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February 14, 2022

VIA EMAIL AND PRIVATE CARRIER

Mr. Brian Dietz
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Transmittal of Technical Memorandum: Page Changes for July 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 an electric copy of the above report. 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.

The below pages have been revised and incorporated into the July 2021 Surface Water Sampling Results for Frog Mortar Creek:

- Appendix A - July 2021_MSA Surface Water Sample Log Sheet

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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Review Comments

Technical Memorandum: July 2021 Surface Water Sampling Results for Frog Mortar Creek, Martin State Airport, 701 Wilson Point Road, Middle River, Maryland, November 2021

1. **Appendix A, Surface Water Sample Log Sheets** – There appear to be typos on PDF pages 58 through 61. Currently the dates are shown as "#REF!".

   Response: The dates on the sample log sheets were updated to reflect the sampling event completed on July 15th, 2021.

TECHNICAL MEMORANDUM: JULY 2021 SURFACE WATER SAMPLING RESULTS FOR FROG MORTAR CREEK MARTIN STATE AIRPORT 701 WILSON POINT ROAD MIDDLE RIVER, MARYLAND

Prepared for:
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Prepared by:
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February 2022

Approved by:

Revision: Change Pages

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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 July 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 July 15, 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 July 2021 data supports this ongoing effort and will also be used to assess the effectiveness of the extraction, containment, and treatment system. The chlorinated volatile organic compounds (cVOCs) trichloroethene (TCE), *cis*-1,2-dichloroethene (*cis*- 1,2- DCE), and vinyl chloride (VC), and several metals, have previously been detected in Frog Mortar Creek surface water samples at concentrations exceeding ecological and/or human health screening-criteria; these analytes have also been detected in groundwater at the DRA.

Detected chemical concentrations in surface water obtained from Frog Mortar Creek were evaluated by comparing them to United States Environmental Protection Agency (USEPA) or Maryland screening levels and site-specific screening levels. These screening criteria include USEPA national recommended water quality criteria (NRWQC), Maryland ambient water quality criteria (AWQC), USEPA Biological Technical Advisory Group (BTAG) surface water screening-benchmarks, and site-specific screening levels for swimming developed by Lockheed Martin Corporation (Lockheed Martin). The July 2021 sampling is the third 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 July 15, 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 Land and Material Administration (MDE), the Edwards Lane transect (EL-01A through D) is sampled once a year in June, and accordingly, was sampled during the previous (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 July 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 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 (0.76 meters [2.5 feet] at 0733 hours) and after sampling (0.94 meters [3.1 feet] at 0937 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. July 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 July 15, 2021 from MSA-SW37A is labeled "MSA-SW37A-071521." The trip blank is labeled with a "TB" prefix followed by the sample's six-digit submittal date (e.g., TB-071521).

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 July 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 July 2020, June 2021, and July 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 July 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 July 2021 sampling round. Two VOCs (toluene at four locations, and mixed *m*+*p* xylenes at three locations) were detected during the previous (June 2021) sampling round, but at only trace concentrations (less than 0.2 micrograms per liter [µg/L]), and below available chemical-specific screening criteria. A summary of chlorinated VOC (cVOC) analytical results for the July 2021 sampling round, as compared to the previous sampling round in June 2021, and to the sampling round from one year ago (July 2020) can be found in Table 4-1.

4.2.1 Trichloroethene Results

TCE was nondetect at all sampled locations in July 2021, June 2021, and June 2020. This observed result is consistent with the decreasing trend of TCE observed in Frog Mortar Creek since March 2019. TCE was detected below its lowest (swimming) criteria of 10 µg/L at one location in March 2021 (0.71 µg/L at SW49A). TCE was also nondetect during the first five sampling events last year (i.e., March, June, July, August, and September 2020).

4.2.2 *cis*-1,2-Dichloroethene Results

cis-1,2-DCE was also nondetect at all sampled locations in July 2021, June 2021, and a year ago in July 2020 (Table 4-1), although it was detected (at concentrations well below the lowest swimming screening level of 300 µg/L) at 16 locations in March 2021.

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

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 July 2021 Frog Mortar Creek surface-water investigation results are summarized below:

- Thirty-two surface water samples were collected on July 15, 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 July 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 July 2021 sampling round.

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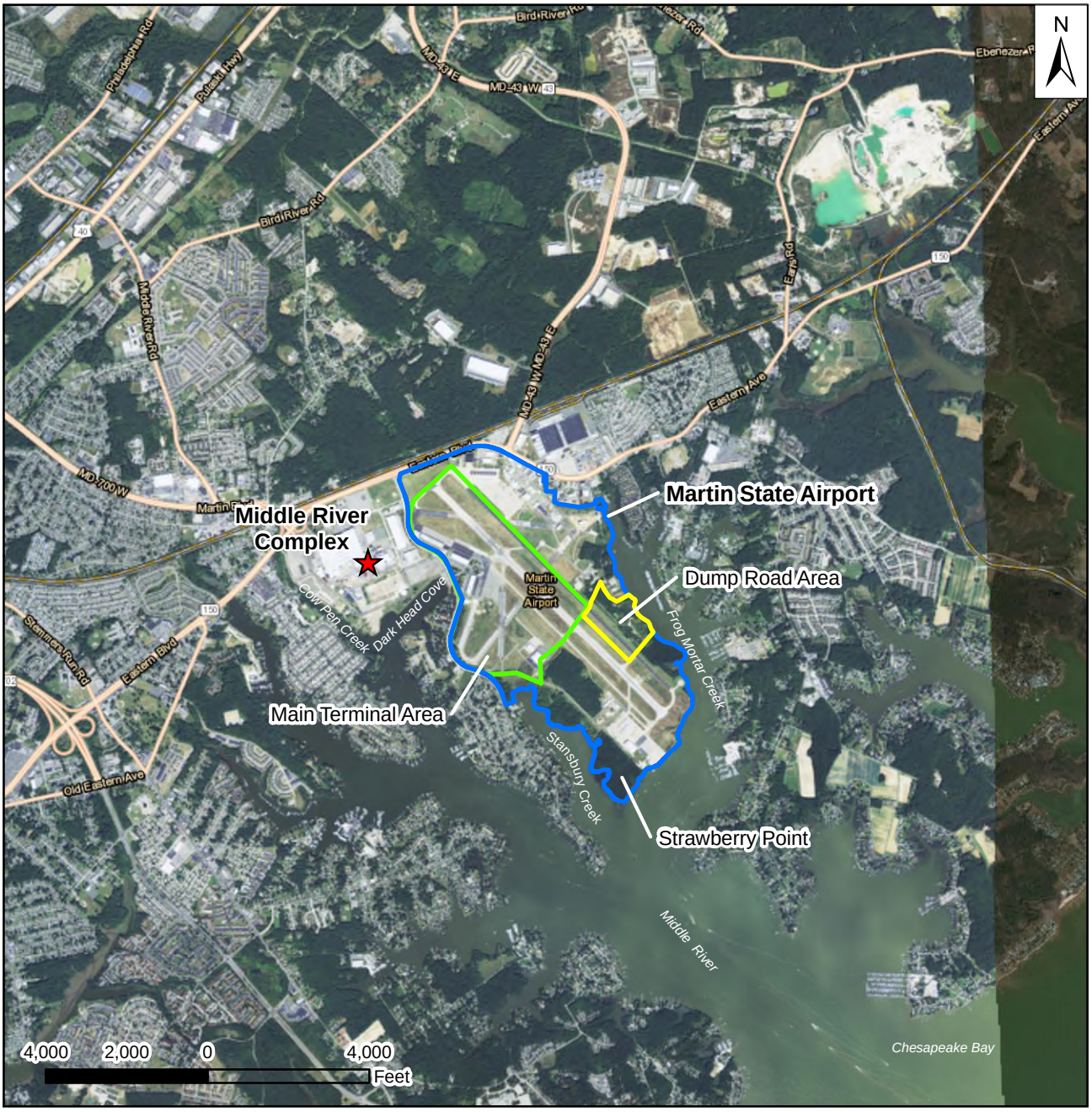
FIGURES

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 July 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).

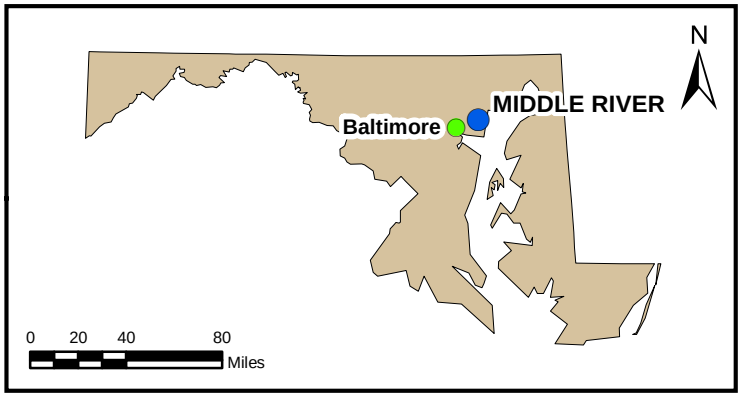


FIGURE 1-1

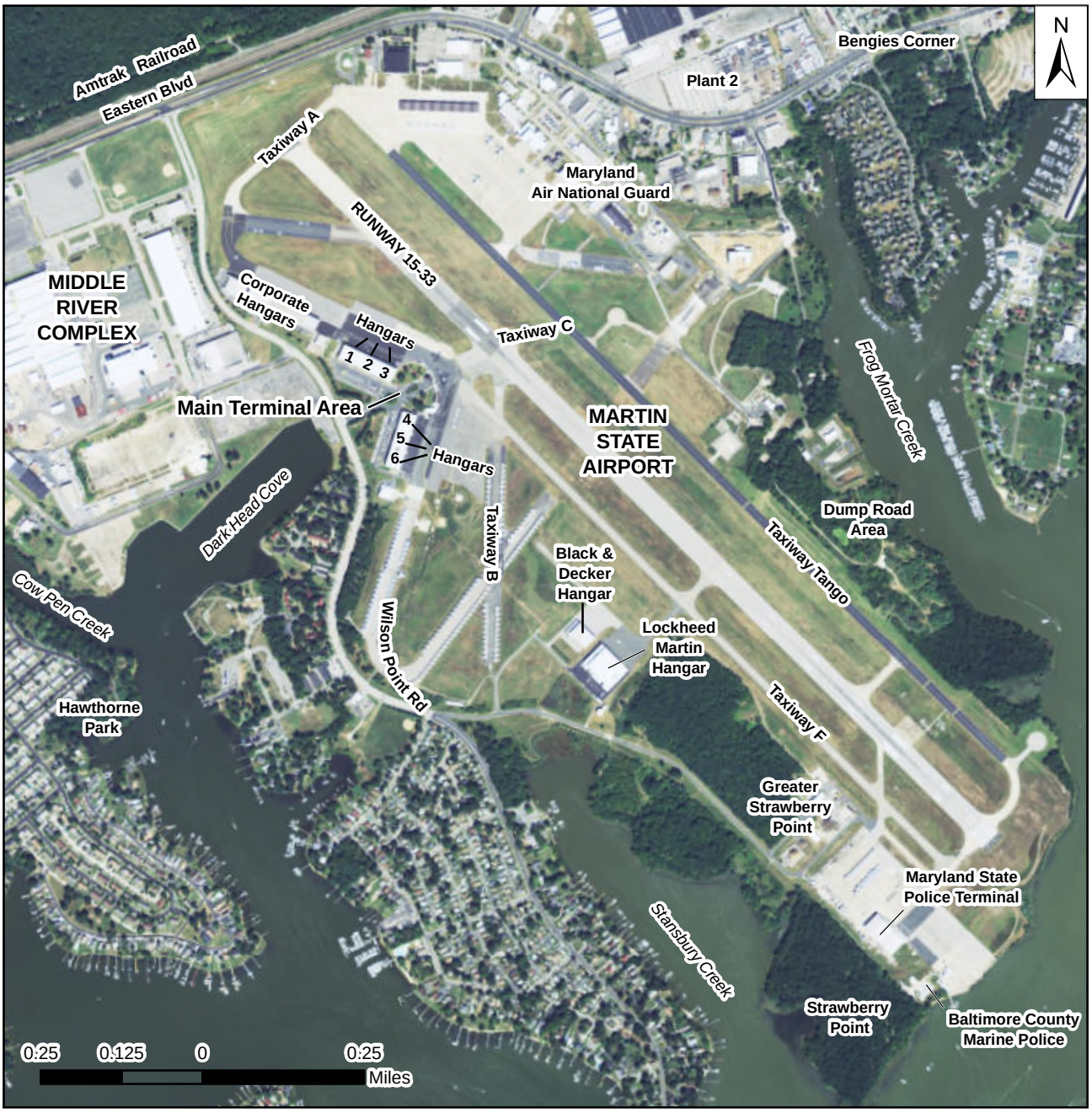
MARTIN STATE AIRPORT
SITE LOCATION MAP

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).

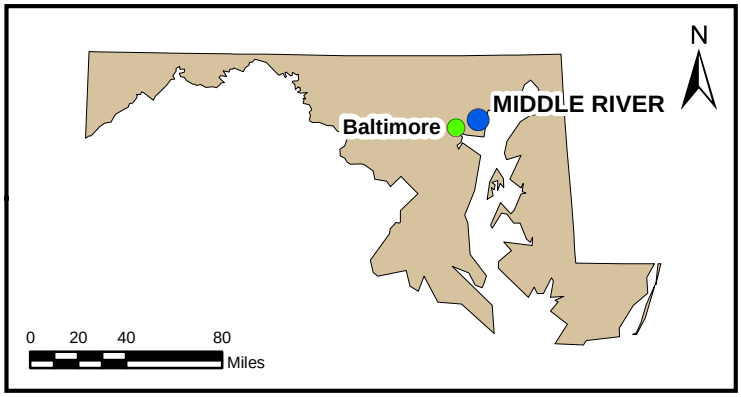


FIGURE 2-1

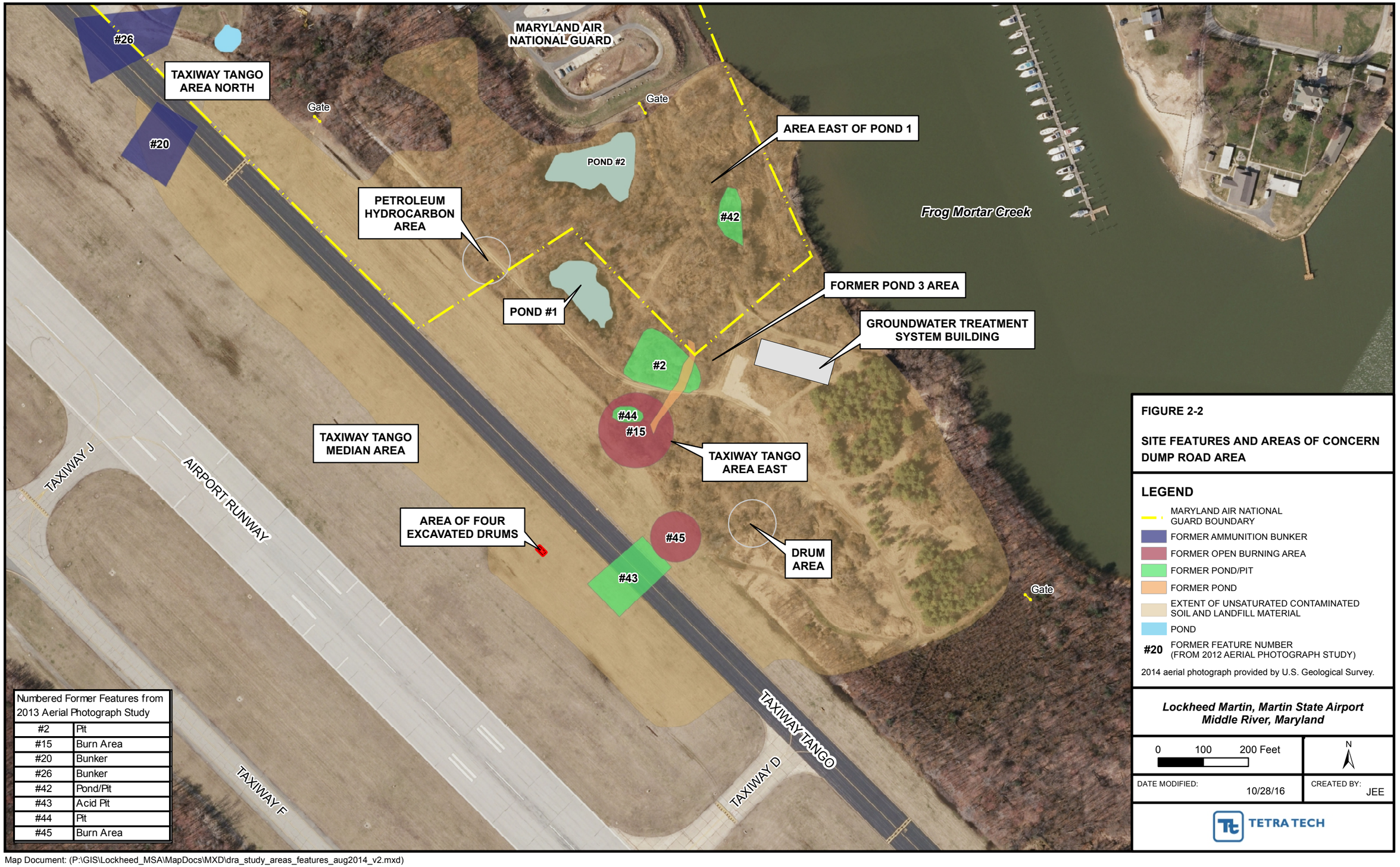
MARTIN STATE AIRPORT AND SURROUNDING FEATURES

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

JULY 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 July 15, 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—July 2021

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

Table 3-1
List of Samples and Chemical Analyses for Surface Water—July 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 (July 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 July 2020, June 2021, and July 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)		
	July 14, 2020	June 2, 2021	July 15, 2021	July 14, 2020	June 2, 2021	July 15, 2021	July 14, 2020	June 2, 2021	July 15, 2021
Average-Detections	--	--	--	--	--	--	--	--	--
Average-All Samples[(1)]	**0.05**	**0.05**	**0.05**	**0.08**	**0.08**	**0.08**	**0.1**	**0.1**	**0.1**
Maximum Concentration	--	--	--	--	--	--	--	--	--
No. of Detections/Samples	**0/32**	**0/36**	**0/32**	**0/32**	**0/36**	**0/32**	**0/32**	**0/36**	**0/32**
LOCATION ID									
EL-SW01A	NS	--	NS	NS	--	NS	NS	--	NS
EL-SW01B	NS	--	NS	NS	--	NS	NS	--	NS
EL-SW01C	NS	--	NS	NS	--	NS	NS	--	NS
EL-SW01D	NS	--	NS	NS	--	NS	NS	--	NS
MSA-SW37A	--	--	--	--	--	--	--	--	--
MSA-SW37B	--	--	--	--	--	--	--	--	--
MSA-SW37C	--	--	--	--	--	--	--	--	--
MSA-SW37D	--	--	--	--	--	--	--	--	--
MSA-SW38A	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--
MSA-SW47A	--	--	--	--	--	--	--	--	--
MSA-SW48A	--	--	--	--	--	--	--	--	--
MSA-SW49A	--	--	--	--	--	--	--	--	--

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
NS - not sampled (the Edwards Lane transect is sampled only during the June sampling round each year)
-- - 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

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW38A -071521
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:	7/15/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	834								
Depth:	1 ft below water	**clear**	**7.94**	**4.56**	**30.05**	**9.38**	**5.52**	**2.4**	**185**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 1.5 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW38B -071521
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:	7/15/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	836								
Depth:	1 ft below water	**clear**	**7.93**	**4.56**	**30.01**	**10.60**	**5.16**	**2.4**	**185**
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 4.5 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW38C -071521
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:	7/15/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	838								
Depth:	1 ft below water	**clear**	**7.94**	**4.61**	**30.16**	**11**	**5.43**	**2.4**	**185**
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 4.9 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW38D -071521
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:	7/15/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	841								
Depth:	1 ft below water	**clear**	**7.96**	**4.61**	**30.16**	**10.73**	**5.5**	**2.5**	**185**
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 5.0 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.: 112IC09023

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

Sample ID No.: MSA-SW40A -071521
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:	7/15/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	851								
Depth:	1 ft below water	**clear**	**7.94**	**4.58**	**30.27**	**11.40**	**5.46**	**2.4**	**184**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 1.6 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW40B -071521
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:	7/15/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	854								
Depth:	1 ft below water	**clear**	**7.95**	**4.59**	**30.28**	**12.80**	**5.30**	**2.4**	**185**
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 2.3 meters

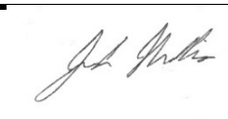
MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):



Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW40C -071521
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:	7/15/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	857								
Depth:	1 ft below water	**clear**	**7.96**	**4.59**	**30.24**	**13.30**	**5.02**	**2.4**	**184**
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.: 112IC09023

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

Sample ID No.: MSA-SW40D -071521
Sample Location: MSA-SW40D
Sampled By: J. Mullis
C.O.C. No.:

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

SAMPLING DATA:

Date:	7/15/2021	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Time:	900	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Depth:	1 ft below water	**clear**	**7.94**	**4.58**	**30.19**	**11.80**	**4.95**	**2.4**	**184**
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 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW41A -071521
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:	7/15/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	818								
Depth:	1 ft below water	**clear**	**7.90**	**4.60**	**29.99**	**13.90**	**5.11**	**2.4**	**179**
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.: 112IC09023

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

Sample ID No.: MSA-SW41B -071521
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:	7/15/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	821								
Depth:	1 ft below water	**clear**	**7.92**	**4.61**	**30.02**	**11.10**	**5.20**	**2.4**	**180**
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 3.1 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW41C -071521
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:	7/15/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	825								
Depth:	1 ft below water	**clear**	**7.91**	**4.62**	**29.90**	**11.60**	**5.15**	**2.5**	**183**
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.: 112IC09023

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

Sample ID No.: MSA-SW41D -071521
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:	7/15/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	827								
Depth:	1 ft below water	**clear**	**7.92**	**4.68**	**30.06**	**12.60**	**5.20**	**2.5**	**183**
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 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW43A -071521
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:	7/15/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	800								
Depth:	1 ft below water	**clear**	**7.87**	**4.56**	**29.72**	**9.70**	**4.80**	**2.4**	**178**
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.: 112IC09023

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

Sample ID No.: MSA-SW43B -071521
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:	7/15/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	804								
Depth:	1 ft below water	**clear**	**7.88**	**4.57**	**29.71**	**9.06**	**4.65**	**2.4**	**177**
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.: 112IC09023

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

Sample ID No.: MSA-SW43C -071521
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:	7/15/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	807								
Depth:	1 ft below water	**clear**	**7.88**	**4.60**	**29.79**	**9.41**	**4.72**	**2.4**	**177**
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 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW43D -071521
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:	7/15/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	810								
Depth:	1 ft below water	**clear**	**7.88**	**4.65**	**29.92**	**11.10**	**5.20**	**2.5**	**179**
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 5.7 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW44A -071521
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:	7/15/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	740								
Depth:	1 ft below water	**clear**	**7.56**	**4.21**	**29.72**	**11.60**	**5.60**	**2.5**	**173**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 0.6 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW44B -071521
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:	7/15/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	750								
Depth:	1 ft below water	**clear**	**7.70**	**4.74**	**30.00**	**12.70**	**5.10**	**2.5**	**179**
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.: 112IC09023

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

Sample ID No.: MSA-SW44C -071521
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:	7/15/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	752								
Depth:	1 ft below water	**clear**	**7.77**	**4.77**	**30.00**	**12.30**	**5.18**	**2.5**	**177**
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.: 112IC09023

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

Sample ID No.: MSA-SW44D -071521
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:	7/15/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	755								
Depth:	1 ft below water	**clear**	**7.88**	**4.79**	**30.01**	**13.40**	**5.50**	**2.6**	**176**
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.: 112IC09023

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

Sample ID No.: MSA-SW46A -071521
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:	7/15/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	905								
Depth:	1 ft below water	**clear**	**7.96**	**4.60**	**30.42**	**11.17**	**5.64**	**2.4**	**186**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 2.2 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.: 112IC09023

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

Sample ID No.: MSA-SW47A -071521
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:	7/15/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	846								
Depth:	1 ft below water	**clear**	**7.95**	**4.57**	**30.20**	**9.75**	**5.19**	**2.4**	**186**
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.: 112IC09023

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

Sample ID No.: MSA-SW48A -071521
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:	7/15/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	830								
Depth:	1 ft below water	**clear**	**7.93**	**4.61**	**30.14**	**14.80**	**5.48**	**2.5**	**184**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 1.4 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW49A -071521
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:	7/15/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	815								
Depth:	1 ft below water	**clear**	**7.89**	**4.58**	**29.90**	**11.21**	**5.24**	**2.4**	**181**
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):

APPENDIX B—DATA-VALIDATION AND FULL LABORATORY REPORTS

TETRA TECH

INTERNAL CORRESPONDENCE

TO: **S. BRENNER** **DATE:** **SEPTEMBER 8, 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 240-152946-1

SAMPLES: 33/Aqueous/VOC

MSA-SW37A-071521	MSA-SW37B-071521	MSA-SW37C-071521
MSA-SW37D-071521	MSA-SW38A-071521	MSA-SW38B-071521
MSA-SW38C-071521	MSA-SW38D-071521	MSA-SW40A-071521
MSA-SW40B-071521	MSA-SW40C-071521	MSA-SW40D-071521
MSA-SW41A-071521	MSA-SW41B-071521	MSA-SW41C-071521
MSA-SW41D-071521	MSA-SW42A-071521	MSA-SW42B-071521
MSA-SW42C-071521	MSA-SW42D-071521	MSA-SW43A-071521
MSA-SW43B-071521	MSA-SW43C-071521	MSA-SW43D-071521
MSA-SW44A-071521	MSA-SW44B-071521	MSA-SW44C-071521
MSA-SW44D-071521	MSA-SW46A-071521	MSA-SW47A-071521
MSA-SW48A-071521	MSA-SW49A-071521	TB-071521

Overview

The sample set for LMC-MSA Frog Mortar Creek, SDG 240-152946-1 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 July 15, 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 A3UX19 on 07/23/2021 @ 1543 had Percent Differences (%D) for chloromethane, bromomethane, dichlorodifluoromethane, trichlorofluoromethane, t-butyl alcohol, hexachlorobutadiene, and vinyl acetate which exceeded the 20% quality control limit. Samples associated with analytical batch # 240-496393 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 A3UX16 on 07/26/2021 @ 1126 had Percent Differences (%D) for vinyl acetate and 2-chloroethyl vinyl ether which exceeded the 20% quality control limit. Samples associated with analytical batch 240-496537 were affected. The non-detected results reported for vinyl acetate in the affected samples were qualified as estimated, (UJ). No action was taken for 2-chloroethyl vinyl ether because it was qualified for a more severe issue.

- The VOC continuing calibration performed on instrument A3UX9 on 07/20/2021 @ 1022 had Percent Differences (%D) for chloromethane, vinyl chloride, dichlorodifluoromethane, trichlorofluoromethane, 1,2-dibromo-3-chloropropane, and naphthalene which exceeded the 20% quality control limit. Samples associated with analytical batch # 240-495770 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 A3UX9 on 07/21/2021 @ 1107 had Percent Differences (%D) for dichlorodifluoromethane, trichlorofluoromethane and 1,2-dibromo-3-chloropropane which exceeded the 20% quality control limit. Samples associated with analytical batch # 240-496159 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 A3UX9 on 07/22/2021 @ 1107 had Percent Differences (%D) for dichlorodifluoromethane, trichlorofluoromethane, t-butyl alcohol, vinyl acetate, 2-butanone, 4-methyl-2-pentanone, 2-hexanone, and 1,2-dibromo-3-chloropropane which exceeded the 20% quality control limit. Samples associated with analytical batch 240-496159 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 dichlorodifluoromethane was slightly above the upper laboratory control limit in sample batch 495975. No action was required because all sample results were nondetected.

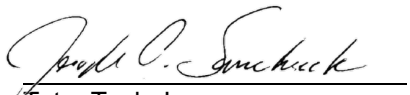
A matrix spike and matrix spike duplicate analysis was not performed by the laboratory.

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-071521			MSA-SW37B-071521			MSA-SW37C-071521			MSA-SW37D-071521		
SDG: 240-152946-1	LAB_ID	240-152946-1			240-152946-2			240-152946-3			240-152946-4		
FRACTION: OV	SAMP_DATE	7/15/2021			7/15/2021			7/15/2021			7/15/2021		
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	UJ	C	0.91	UJ	C	0.91	UJ	C	0.91	UJ	C
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	U		5.4	U		5.4	U		5.4	U	
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-071521			MSA-SW38B-071521			MSA-SW38C-071521			MSA-SW38D-071521		
SDG: 240-152946-1	LAB_ID	240-152946-5			240-152946-6			240-152946-7			240-152946-8		
FRACTION: OV	SAMP_DATE	7/15/2021			7/15/2021			7/15/2021			7/15/2021		
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	UJ	C	0.91	UJ	C	0.91	UJ	C	0.91	UJ	C
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	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	UJ	C	1.1	UJ	C
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	UJ	C	0.99	UJ	C
ACETONE		5.4	U		5.4	U		5.4	U		5.4	U	
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-071521			MSA-SW40B-071521			MSA-SW40C-071521			MSA-SW40D-071521		
SDG: 240-152946-1	LAB_ID	240-152946-9			240-152946-10			240-152946-11			240-152946-12		
FRACTION: OV	SAMP_DATE	7/15/2021			7/15/2021			7/15/2021			7/15/2021		
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	UJ	C	0.91	UJ	C	0.91	UJ	C	0.91	UJ	C
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	UJ	C	1.1	UJ	C	1.1	UJ	C	1.1	UJ	C
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	UJ	C	0.99	UJ	C	0.99	UJ	C	0.99	UJ	C
ACETONE		5.4	U		5.4	U		5.4	U		5.4	U	
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-071521			MSA-SW41B-071521			MSA-SW41C-071521			MSA-SW41D-071521		
SDG: 240-152946-1	LAB_ID	240-152946-13			240-152946-14			240-152946-15			240-152946-16		
FRACTION: OV	SAMP_DATE	7/15/2021			7/15/2021			7/15/2021			7/15/2021		
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	UJ	C	0.91	UJ	C	0.91	UJ	C	0.91	UJ	C
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	UJ	C	1.1	UJ	C	1.1	UJ	C	1.1	UJ	C
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	UJ	C	0.99	UJ	C	0.99	UJ	C	0.99	UJ	C
ACETONE		5.4	U		5.4	U		5.4	U		5.4	U	
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-071521			MSA-SW42B-071521			MSA-SW42C-071521			MSA-SW42D-071521		
SDG: 240-152946-1	LAB_ID	240-152946-17			240-152946-18			240-152946-19			240-152946-20		
FRACTION: OV	SAMP_DATE	7/15/2021			7/15/2021			7/15/2021			7/15/2021		
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	UJ	C	0.91	U		0.91	UJ	C	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	U		1.2	UJ	C	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	UJ	C	1.1	U		1.1	UJ	C	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	UJ	C	0.99	U		0.99	UJ	C	0.99	U	
ACETONE		5.4	U		5.4	U		5.4	U		5.4	U	
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-071521			MSA-SW43B-071521			MSA-SW43C-071521			MSA-SW43D-071521		
SDG: 240-152946-1	LAB_ID	240-152946-21			240-152946-22			240-152946-23			240-152946-24		
FRACTION: OV	SAMP_DATE	7/15/2021			7/15/2021			7/15/2021			7/15/2021		
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	U		5.4	U		5.4	U		5.4	U	
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	UJ	C	0.42	UJ	C

PROJ_NO: 09343	NSAMPLE	MSA-SW44A-071521			MSA-SW44B-071521			MSA-SW44C-071521			MSA-SW44D-071521		
SDG: 240-152946-1	LAB_ID	240-152946-25			240-152946-26			240-152946-27			240-152946-28		
FRACTION: OV	SAMP_DATE	7/15/2021			7/15/2021			7/15/2021			7/15/2021		
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	U		5.4	U		5.4	U		5.4	U	
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	UJ	C	0.42	UJ	C	0.42	UJ	C	0.42	UJ	C

PROJ_NO: 09343	NSAMPLE	MSA-SW46A-071521			MSA-SW47A-071521			MSA-SW48A-071521			MSA-SW49A-071521		
SDG: 240-152946-1	LAB_ID	240-152946-30			240-152946-31			240-152946-32			240-152946-33		
FRACTION: OV	SAMP_DATE	7/15/2021			7/15/2021			7/15/2021			7/15/2021		
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	U		5.4	U		5.4	U		5.4	U	
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	UJ	C	0.42	UJ	C	0.42	UJ	C	0.42	UJ	C

PROJ_NO: 09343	NSAMPLE	TB-071521		
SDG: 240-152946-1	LAB_ID	240-152946-29		
FRACTION: OV	SAMP_DATE	7/15/2021		
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	U	
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	U	
BENZENE		0.42	U	
BROMOBENZENE		0.5	U	
BROMOCHLOROMETHANE		0.54	U	
BROMODICHLOROMETHANE		0.17	U	
BROMOFORM		0.76	U	
BROMOMETHANE		0.42	UJ	C

PROJ_NO: 09343	NSAMPLE	MSA-SW37A-071521			MSA-SW37B-071521			MSA-SW37C-071521			MSA-SW37D-071521		
SDG: 240-152946-1	LAB_ID	240-152946-1			240-152946-2			240-152946-3			240-152946-4		
FRACTION: OV	SAMP_DATE	7/15/2021			7/15/2021			7/15/2021			7/15/2021		
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	UJ	C	0.63	UJ	C	0.63	UJ	C	0.63	UJ	C
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	UJ	C	0.35	UJ	C	0.35	UJ	C	0.35	UJ	C
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	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	UJ	C	0.8	UJ	C	0.8	UJ	C	0.8	UJ	C
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	U		7.2	U		7.2	U		7.2	U	
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-071521			MSA-SW38B-071521			MSA-SW38C-071521			MSA-SW38D-071521		
SDG: 240-152946-1	LAB_ID	240-152946-5			240-152946-6			240-152946-7			240-152946-8		
FRACTION: OV	SAMP_DATE	7/15/2021			7/15/2021			7/15/2021			7/15/2021		
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	UJ	C	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	UJ	C	0.35	UJ	C	0.35	UJ	C	0.35	UJ	C
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	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	UJ	C	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	U		7.2	U		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-071521			MSA-SW40B-071521			MSA-SW40C-071521			MSA-SW40D-071521		
SDG: 240-152946-1	LAB_ID	240-152946-9			240-152946-10			240-152946-11			240-152946-12		
FRACTION: OV	SAMP_DATE	7/15/2021			7/15/2021			7/15/2021			7/15/2021		
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	UJ	C	0.35	UJ	C	0.35	UJ	C	0.35	UJ	C
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	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-071521			MSA-SW41B-071521			MSA-SW41C-071521			MSA-SW41D-071521		
SDG: 240-152946-1	LAB_ID	240-152946-13			240-152946-14			240-152946-15			240-152946-16		
FRACTION: OV	SAMP_DATE	7/15/2021			7/15/2021			7/15/2021			7/15/2021		
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	UJ	C	0.35	UJ	C	0.35	UJ	C	0.35	UJ	C
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	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-071521			MSA-SW42B-071521			MSA-SW42C-071521			MSA-SW42D-071521		
SDG: 240-152946-1	LAB_ID	240-152946-17			240-152946-18			240-152946-19			240-152946-20		
FRACTION: OV	SAMP_DATE	7/15/2021			7/15/2021			7/15/2021			7/15/2021		
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	UJ	C	0.35	U		0.35	UJ	C	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	U		7.2	UJ	C	7.2	U	
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-071521			MSA-SW43B-071521			MSA-SW43C-071521			MSA-SW43D-071521		
SDG: 240-152946-1	LAB_ID	240-152946-21			240-152946-22			240-152946-23			240-152946-24		
FRACTION: OV	SAMP_DATE	7/15/2021			7/15/2021			7/15/2021			7/15/2021		
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	UJ	C	0.63	UJ	C
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	UJ	C	0.35	UJ	C
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	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	UJ	C	0.83	UJ	C
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	U		7.2	U		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-071521			MSA-SW44B-071521			MSA-SW44C-071521			MSA-SW44D-071521		
SDG: 240-152946-1	LAB_ID	240-152946-25			240-152946-26			240-152946-27			240-152946-28		
FRACTION: OV	SAMP_DATE	7/15/2021			7/15/2021			7/15/2021			7/15/2021		
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	UJ	C	0.63	UJ	C	0.63	UJ	C	0.63	UJ	C
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	UJ	C	0.35	UJ	C	0.35	UJ	C	0.35	UJ	C
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	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	UJ	C	0.83	UJ	C	0.83	UJ	C	0.83	UJ	C
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-071521			MSA-SW47A-071521			MSA-SW48A-071521			MSA-SW49A-071521		
SDG: 240-152946-1	LAB_ID	240-152946-30			240-152946-31			240-152946-32			240-152946-33		
FRACTION: OV	SAMP_DATE	7/15/2021			7/15/2021			7/15/2021			7/15/2021		
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	UJ	C	0.63	UJ	C	0.63	UJ	C	0.63	UJ	C
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	UJ	C	0.35	UJ	C	0.35	UJ	C	0.35	UJ	C
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	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	UJ	C	0.83	UJ	C	0.83	UJ	C	0.83	UJ	C
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-071521		
SDG: 240-152946-1	LAB_ID	240-152946-29		
FRACTION: OV	SAMP_DATE	7/15/2021		
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	UJ	C
CIS-1,2-DICHLOROETHENE		0.46	U	
CIS-1,3-DICHLOROPROPENE		0.61	U	
DIBROMOMETHANE		0.4	U	
DICHLORODIFLUOROMETHANE		0.35	UJ	C
DIISOPROPYL ETHER		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	U	
ETHYLBENZENE		0.42	U	
HEXACHLOROBUTADIENE		0.83	UJ	C
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-071521			MSA-SW37B-071521			MSA-SW37C-071521			MSA-SW37D-071521		
SDG: 240-152946-1	LAB_ID	240-152946-1			240-152946-2			240-152946-3			240-152946-4		
FRACTION: OV	SAMP_DATE	7/15/2021			7/15/2021			7/15/2021			7/15/2021		
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	UJ	C	0.45	UJ	C	0.45	UJ	C	0.45	UJ	C
VINYL ACETATE		0.61	U		0.61	U		0.61	U		0.61	U	
VINYL CHLORIDE		0.45	UJ	C	0.45	UJ	C	0.45	UJ	C	0.45	UJ	C

PROJ_NO: 09343	NSAMPLE	MSA-SW38A-071521			MSA-SW38B-071521			MSA-SW38C-071521			MSA-SW38D-071521		
SDG: 240-152946-1	LAB_ID	240-152946-5			240-152946-6			240-152946-7			240-152946-8		
FRACTION: OV	SAMP_DATE	7/15/2021			7/15/2021			7/15/2021			7/15/2021		
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	UJ	C	0.45	UJ	C	0.45	UJ	C	0.45	UJ	C
VINYL ACETATE		0.61	U		0.61	U		0.61	UJ	C	0.61	UJ	C
VINYL CHLORIDE		0.45	UJ	C	0.45	U		0.45	U		0.45	U	

PROJ_NO: 09343	NSAMPLE	MSA-SW40A-071521			MSA-SW40B-071521			MSA-SW40C-071521			MSA-SW40D-071521		
SDG: 240-152946-1	LAB_ID	240-152946-9			240-152946-10			240-152946-11			240-152946-12		
FRACTION: OV	SAMP_DATE	7/15/2021			7/15/2021			7/15/2021			7/15/2021		
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	UJ	C	0.45	UJ	C	0.45	UJ	C	0.45	UJ	C
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-071521			MSA-SW41B-071521			MSA-SW41C-071521			MSA-SW41D-071521		
SDG: 240-152946-1	LAB_ID	240-152946-13			240-152946-14			240-152946-15			240-152946-16		
FRACTION: OV	SAMP_DATE	7/15/2021			7/15/2021			7/15/2021			7/15/2021		
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	UJ	C	0.45	UJ	C	0.45	UJ	C	0.45	UJ	C
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-071521			MSA-SW42B-071521			MSA-SW42C-071521			MSA-SW42D-071521		
SDG: 240-152946-1	LAB_ID	240-152946-17			240-152946-18			240-152946-19			240-152946-20		
FRACTION: OV	SAMP_DATE	7/15/2021			7/15/2021			7/15/2021			7/15/2021		
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	UJ	C	0.45	U		0.45	UJ	C	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-071521			MSA-SW43B-071521			MSA-SW43C-071521			MSA-SW43D-071521		
SDG: 240-152946-1	LAB_ID	240-152946-21			240-152946-22			240-152946-23			240-152946-24		
FRACTION: OV	SAMP_DATE	7/15/2021			7/15/2021			7/15/2021			7/15/2021		
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	UJ	C	0.45	UJ	C
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-SW44A-071521			MSA-SW44B-071521			MSA-SW44C-071521			MSA-SW44D-071521		
SDG: 240-152946-1	LAB_ID	240-152946-25			240-152946-26			240-152946-27			240-152946-28		
FRACTION: OV	SAMP_DATE	7/15/2021			7/15/2021			7/15/2021			7/15/2021		
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	UJ	C	0.45	UJ	C	0.45	UJ	C	0.45	UJ	C
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-SW46A-071521			MSA-SW47A-071521			MSA-SW48A-071521			MSA-SW49A-071521		
SDG: 240-152946-1	LAB_ID	240-152946-30			240-152946-31			240-152946-32			240-152946-33		
FRACTION: OV	SAMP_DATE	7/15/2021			7/15/2021			7/15/2021			7/15/2021		
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	UJ	C	0.45	UJ	C	0.45	UJ	C	0.45	UJ	C
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	TB-071521		
SDG: 240-152946-1	LAB_ID	240-152946-29		
FRACTION: OV	SAMP_DATE	7/15/2021		
MEDIA: WATER	QC_TYPE	NM		
	UNITS	UG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.45	UJ	C
VINYL ACETATE		0.61	UJ	C
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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37A-071521 Lab Sample ID: 240-152946-1

Matrix: Water Lab File ID: UX997010.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:21

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 15:09

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.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37A-071521 Lab Sample ID: 240-152946-1

Matrix: Water Lab File ID: UX997010.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:21

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 15:09

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.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37A-071521 Lab Sample ID: 240-152946-1

Matrix: Water Lab File ID: UX997010.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:21

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 15:09

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.: 495770 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	100		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		75-130
2037-26-5	Toluene-d8 (Surr)	99		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37A-071521 Lab Sample ID: 240-152946-1

Matrix: Water Lab File ID: UX997010.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:21

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 15:09

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.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37A-071521 Lab Sample ID: 240-152946-1

Matrix: Water Lab File ID: UX997010.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:21

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 15:09

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.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37B-071521 Lab Sample ID: 240-152946-2

Matrix: Water Lab File ID: UX997011.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:23

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 15:32

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37B-071521 Lab Sample ID: 240-152946-2

Matrix: Water Lab File ID: UX997011.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:23

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 15:32

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37B-071521 Lab Sample ID: 240-152946-2

Matrix: Water Lab File ID: UX997011.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:23

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 15:32

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 495770 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	100		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		75-130
2037-26-5	Toluene-d8 (Surr)	100		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37B-071521 Lab Sample ID: 240-152946-2

Matrix: Water Lab File ID: UX997011.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:23

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 15:32

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37B-071521 Lab Sample ID: 240-152946-2

Matrix: Water Lab File ID: UX997011.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:23

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 15:32

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37C-071521 Lab Sample ID: 240-152946-3

Matrix: Water Lab File ID: UX997012.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:26

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 15:55

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37C-071521 Lab Sample ID: 240-152946-3

Matrix: Water Lab File ID: UX997012.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:26

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 15:55

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37C-071521 Lab Sample ID: 240-152946-3

Matrix: Water Lab File ID: UX997012.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:26

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 15:55

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 495770 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	98		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		75-130
2037-26-5	Toluene-d8 (Surr)	99		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37C-071521 Lab Sample ID: 240-152946-3

Matrix: Water Lab File ID: UX997012.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:26

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 15:55

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37C-071521 Lab Sample ID: 240-152946-3

Matrix: Water Lab File ID: UX997012.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:26

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 15:55

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37D-071521 Lab Sample ID: 240-152946-4

Matrix: Water Lab File ID: UX997013.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:28

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 16:18

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.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37D-071521 Lab Sample ID: 240-152946-4

Matrix: Water Lab File ID: UX997013.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:28

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 16:18

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.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37D-071521 Lab Sample ID: 240-152946-4

Matrix: Water Lab File ID: UX997013.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:28

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 16:18

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.: 495770 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	95		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		75-130
2037-26-5	Toluene-d8 (Surr)	99		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37D-071521 Lab Sample ID: 240-152946-4

Matrix: Water Lab File ID: UX997013.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:28

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 16:18

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.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37D-071521 Lab Sample ID: 240-152946-4

Matrix: Water Lab File ID: UX997013.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:28

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 16:18

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.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38A-071521 Lab Sample ID: 240-152946-5

Matrix: Water Lab File ID: UX997014.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:34

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 16:41

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.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38A-071521 Lab Sample ID: 240-152946-5

Matrix: Water Lab File ID: UX997014.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:34

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 16:41

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.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38A-071521 Lab Sample ID: 240-152946-5

Matrix: Water Lab File ID: UX997014.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:34

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 16:41

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.: 495770 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	94		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		75-130
2037-26-5	Toluene-d8 (Surr)	96		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38A-071521 Lab Sample ID: 240-152946-5

Matrix: Water Lab File ID: UX997014.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:34

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 16:41

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.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38A-071521 Lab Sample ID: 240-152946-5

Matrix: Water Lab File ID: UX997014.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:34

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 16:41

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.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38B-071521 Lab Sample ID: 240-152946-6

Matrix: Water Lab File ID: UX997055.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:36

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 20:19

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.: 495975 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38B-071521 Lab Sample ID: 240-152946-6

Matrix: Water Lab File ID: UX997055.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:36

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 20:19

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.: 495975 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38B-071521 Lab Sample ID: 240-152946-6

Matrix: Water Lab File ID: UX997055.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:36

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 20:19

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.: 495975 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	100		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		75-130
2037-26-5	Toluene-d8 (Surr)	101		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38B-071521 Lab Sample ID: 240-152946-6

Matrix: Water Lab File ID: UX997055.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:36

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 20:19

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.: 495975 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38B-071521 Lab Sample ID: 240-152946-6

Matrix: Water Lab File ID: UX997055.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:36

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 20:19

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.: 495975 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38C-071521 Lab Sample ID: 240-152946-7

Matrix: Water Lab File ID: UX997074.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:38

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 15:19

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38C-071521 Lab Sample ID: 240-152946-7

Matrix: Water Lab File ID: UX997074.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:38

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 15:19

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38C-071521 Lab Sample ID: 240-152946-7

Matrix: Water Lab File ID: UX997074.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:38

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 15:19

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.: 496159 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	96		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		75-130
2037-26-5	Toluene-d8 (Surr)	99		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38C-071521 Lab Sample ID: 240-152946-7

Matrix: Water Lab File ID: UX997074.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:38

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 15:19

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38C-071521 Lab Sample ID: 240-152946-7

Matrix: Water Lab File ID: UX997074.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:38

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 15:19

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38D-071521 Lab Sample ID: 240-152946-8

Matrix: Water Lab File ID: UX997075.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:41

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 15:42

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38D-071521 Lab Sample ID: 240-152946-8

Matrix: Water Lab File ID: UX997075.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:41

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 15:42

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38D-071521 Lab Sample ID: 240-152946-8

Matrix: Water Lab File ID: UX997075.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:41

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 15:42

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	98		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		75-130
2037-26-5	Toluene-d8 (Surr)	99		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38D-071521 Lab Sample ID: 240-152946-8

Matrix: Water Lab File ID: UX997075.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:41

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 15:42

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38D-071521 Lab Sample ID: 240-152946-8

Matrix: Water Lab File ID: UX997075.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:41

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 15:42

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40A-071521 Lab Sample ID: 240-152946-9

Matrix: Water Lab File ID: UX997076.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:51

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 16:05

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40A-071521 Lab Sample ID: 240-152946-9

Matrix: Water Lab File ID: UX997076.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:51

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 16:05

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40A-071521 Lab Sample ID: 240-152946-9

Matrix: Water Lab File ID: UX997076.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:51

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 16:05

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	99		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		75-130
2037-26-5	Toluene-d8 (Surr)	101		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40A-071521 Lab Sample ID: 240-152946-9

Matrix: Water Lab File ID: UX997076.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:51

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 16:05

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40A-071521 Lab Sample ID: 240-152946-9

Matrix: Water Lab File ID: UX997076.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:51

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 16:05

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40B-071521 Lab Sample ID: 240-152946-10

Matrix: Water Lab File ID: UX997077.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:54

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 16:28

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40B-071521 Lab Sample ID: 240-152946-10

Matrix: Water Lab File ID: UX997077.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:54

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 16:28

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40B-071521 Lab Sample ID: 240-152946-10

Matrix: Water Lab File ID: UX997077.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:54

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 16:28

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.: 496159 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	98		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		75-130
2037-26-5	Toluene-d8 (Surr)	100		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40B-071521 Lab Sample ID: 240-152946-10

Matrix: Water Lab File ID: UX997077.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:54

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 16:28

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40B-071521 Lab Sample ID: 240-152946-10

Matrix: Water Lab File ID: UX997077.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:54

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 16:28

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40C-071521 Lab Sample ID: 240-152946-11

Matrix: Water Lab File ID: UX997078.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:57

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 16:51

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40C-071521 Lab Sample ID: 240-152946-11

Matrix: Water Lab File ID: UX997078.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:57

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 16:51

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40C-071521 Lab Sample ID: 240-152946-11

Matrix: Water Lab File ID: UX997078.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:57

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 16:51

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	96		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		75-130
2037-26-5	Toluene-d8 (Surr)	97		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40C-071521 Lab Sample ID: 240-152946-11

Matrix: Water Lab File ID: UX997078.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:57

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 16:51

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40C-071521 Lab Sample ID: 240-152946-11

Matrix: Water Lab File ID: UX997078.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:57

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 16:51

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40D-071521 Lab Sample ID: 240-152946-12

Matrix: Water Lab File ID: UX997079.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:00

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 17:14

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40D-071521 Lab Sample ID: 240-152946-12

Matrix: Water Lab File ID: UX997079.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:00

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 17:14

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40D-071521 Lab Sample ID: 240-152946-12

Matrix: Water Lab File ID: UX997079.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:00

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 17:14

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.: 496159 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	98		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		75-130
2037-26-5	Toluene-d8 (Surr)	97		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40D-071521 Lab Sample ID: 240-152946-12

Matrix: Water Lab File ID: UX997079.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:00

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 17:14

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40D-071521 Lab Sample ID: 240-152946-12

Matrix: Water Lab File ID: UX997079.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:00

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 17:14

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41A-071521 Lab Sample ID: 240-152946-13

Matrix: Water Lab File ID: UX997080.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:18

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41A-071521 Lab Sample ID: 240-152946-13

Matrix: Water Lab File ID: UX997080.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:18

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41A-071521 Lab Sample ID: 240-152946-13

Matrix: Water Lab File ID: UX997080.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:18

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 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.: 496159 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	97		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		75-130
2037-26-5	Toluene-d8 (Surr)	101		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41A-071521 Lab Sample ID: 240-152946-13

Matrix: Water Lab File ID: UX997080.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:18

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41A-071521 Lab Sample ID: 240-152946-13

Matrix: Water Lab File ID: UX997080.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:18

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41B-071521 Lab Sample ID: 240-152946-14

Matrix: Water Lab File ID: UX997081.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:21

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 18:00

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41B-071521 Lab Sample ID: 240-152946-14

Matrix: Water Lab File ID: UX997081.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:21

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 18:00

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41B-071521 Lab Sample ID: 240-152946-14

Matrix: Water Lab File ID: UX997081.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:21

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 18:00

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.: 496159 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	98		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		75-130
2037-26-5	Toluene-d8 (Surr)	99		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41B-071521 Lab Sample ID: 240-152946-14

Matrix: Water Lab File ID: UX997081.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:21

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 18:00

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41B-071521 Lab Sample ID: 240-152946-14

Matrix: Water Lab File ID: UX997081.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:21

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 18:00

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41C-071521 Lab Sample ID: 240-152946-15

Matrix: Water Lab File ID: UX997082.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:25

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 18:23

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41C-071521 Lab Sample ID: 240-152946-15

Matrix: Water Lab File ID: UX997082.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:25

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 18:23

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41C-071521 Lab Sample ID: 240-152946-15

Matrix: Water Lab File ID: UX997082.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:25

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 18:23

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.: 496159 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	100		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		75-130
2037-26-5	Toluene-d8 (Surr)	102		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41C-071521 Lab Sample ID: 240-152946-15

Matrix: Water Lab File ID: UX997082.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:25

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 18:23

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41C-071521 Lab Sample ID: 240-152946-15

Matrix: Water Lab File ID: UX997082.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:25

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 18:23

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41D-071521 Lab Sample ID: 240-152946-16

Matrix: Water Lab File ID: UX997083.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:27

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 18:45

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41D-071521 Lab Sample ID: 240-152946-16

Matrix: Water Lab File ID: UX997083.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:27

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 18:45

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41D-071521 Lab Sample ID: 240-152946-16

Matrix: Water Lab File ID: UX997083.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:27

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 18:45

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.: 496159 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)	109		47-134
1868-53-7	Dibromofluoromethane (Surr)	107		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		75-130
2037-26-5	Toluene-d8 (Surr)	107		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41D-071521 Lab Sample ID: 240-152946-16

Matrix: Water Lab File ID: UX997083.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:27

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 18:45

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41D-071521 Lab Sample ID: 240-152946-16

Matrix: Water Lab File ID: UX997083.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:27

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 18:45

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42A-071521 Lab Sample ID: 240-152946-17

Matrix: Water Lab File ID: UX997084.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:08

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 19:08

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42A-071521 Lab Sample ID: 240-152946-17

Matrix: Water Lab File ID: UX997084.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:08

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 19:08

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42A-071521 Lab Sample ID: 240-152946-17

Matrix: Water Lab File ID: UX997084.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:08

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 19:08

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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)	105		47-134
1868-53-7	Dibromofluoromethane (Surr)	101		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		75-130
2037-26-5	Toluene-d8 (Surr)	102		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42A-071521 Lab Sample ID: 240-152946-17

Matrix: Water Lab File ID: UX997084.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:08

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 19:08

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42A-071521 Lab Sample ID: 240-152946-17

Matrix: Water Lab File ID: UX997084.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:08

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 19:08

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42B-071521 Lab Sample ID: 240-152946-18

Matrix: Water Lab File ID: UXM38845.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:10

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 18:00

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.: 496537 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42B-071521 Lab Sample ID: 240-152946-18

Matrix: Water Lab File ID: UXM38845.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:10

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 18:00

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.: 496537 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42B-071521 Lab Sample ID: 240-152946-18

Matrix: Water Lab File ID: UXM38845.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:10

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 18:00

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.: 496537 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	110		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		75-130
2037-26-5	Toluene-d8 (Surr)	94		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42B-071521 Lab Sample ID: 240-152946-18

Matrix: Water Lab File ID: UXM38845.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:10

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 18:00

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.: 496537 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42B-071521 Lab Sample ID: 240-152946-18

Matrix: Water Lab File ID: UXM38845.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:10

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 18:00

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.: 496537 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42C-071521 Lab Sample ID: 240-152946-19

Matrix: Water Lab File ID: UX997086.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:13

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 19:53

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42C-071521 Lab Sample ID: 240-152946-19

Matrix: Water Lab File ID: UX997086.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:13

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 19:53

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42C-071521 Lab Sample ID: 240-152946-19

Matrix: Water Lab File ID: UX997086.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:13

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 19:53

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.: 496159 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)	104		47-134
1868-53-7	Dibromofluoromethane (Surr)	98		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		75-130
2037-26-5	Toluene-d8 (Surr)	106		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42C-071521 Lab Sample ID: 240-152946-19

Matrix: Water Lab File ID: UX997086.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:13

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 19:53

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42C-071521 Lab Sample ID: 240-152946-19

Matrix: Water Lab File ID: UX997086.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:13

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 19:53

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42D-071521 Lab Sample ID: 240-152946-20

Matrix: Water Lab File ID: UXM38846.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:16

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 18:25

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.: 496537 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42D-071521 Lab Sample ID: 240-152946-20

Matrix: Water Lab File ID: UXM38846.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:16

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 18:25

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.: 496537 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42D-071521 Lab Sample ID: 240-152946-20

Matrix: Water Lab File ID: UXM38846.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:16

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 18:25

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.: 496537 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	108		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		75-130
2037-26-5	Toluene-d8 (Surr)	95		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42D-071521 Lab Sample ID: 240-152946-20

Matrix: Water Lab File ID: UXM38846.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:16

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 18:25

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.: 496537 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42D-071521 Lab Sample ID: 240-152946-20

Matrix: Water Lab File ID: UXM38846.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:16

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 18:25

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.: 496537 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43A-071521 Lab Sample ID: 240-152946-21

Matrix: Water Lab File ID: UXM38847.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:00

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 18:50

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.: 496537 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43A-071521 Lab Sample ID: 240-152946-21

Matrix: Water Lab File ID: UXM38847.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:00

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 18:50

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.: 496537 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43A-071521 Lab Sample ID: 240-152946-21

Matrix: Water Lab File ID: UXM38847.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:00

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 18:50

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.: 496537 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	110		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		75-130
2037-26-5	Toluene-d8 (Surr)	93		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43A-071521 Lab Sample ID: 240-152946-21

Matrix: Water Lab File ID: UXM38847.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:00

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 18:50

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.: 496537 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43A-071521 Lab Sample ID: 240-152946-21

Matrix: Water Lab File ID: UXM38847.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:00

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 18:50

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.: 496537 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43B-071521 Lab Sample ID: 240-152946-22

Matrix: Water Lab File ID: UXM38848.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:04

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 19:15

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.: 496537 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43B-071521 Lab Sample ID: 240-152946-22

Matrix: Water Lab File ID: UXM38848.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:04

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 19:15

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.: 496537 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43B-071521 Lab Sample ID: 240-152946-22

Matrix: Water Lab File ID: UXM38848.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:04

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 19:15

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.: 496537 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	109		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		75-130
2037-26-5	Toluene-d8 (Surr)	93		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43B-071521 Lab Sample ID: 240-152946-22

Matrix: Water Lab File ID: UXM38848.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:04

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 19:15

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.: 496537 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43B-071521 Lab Sample ID: 240-152946-22

Matrix: Water Lab File ID: UXM38848.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:04

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 19:15

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.: 496537 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43C-071521 Lab Sample ID: 240-152946-23

Matrix: Water Lab File ID: U1923153.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:07

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 19:26

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43C-071521 Lab Sample ID: 240-152946-23

Matrix: Water Lab File ID: U1923153.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:07

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 19:26

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43C-071521 Lab Sample ID: 240-152946-23

Matrix: Water Lab File ID: U1923153.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:07

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 19:26

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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)	104		47-134
1868-53-7	Dibromofluoromethane (Surr)	91		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		75-130
2037-26-5	Toluene-d8 (Surr)	100		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43C-071521 Lab Sample ID: 240-152946-23

Matrix: Water Lab File ID: U1923153.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:07

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 19:26

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43C-071521 Lab Sample ID: 240-152946-23

Matrix: Water Lab File ID: U1923153.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:07

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 19:26

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43D-071521 Lab Sample ID: 240-152946-24

Matrix: Water Lab File ID: U1923154.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:10

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 19:48

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43D-071521 Lab Sample ID: 240-152946-24

Matrix: Water Lab File ID: U1923154.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:10

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 19:48

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43D-071521 Lab Sample ID: 240-152946-24

Matrix: Water Lab File ID: U1923154.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:10

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 19:48

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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)	104		47-134
1868-53-7	Dibromofluoromethane (Surr)	93		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		75-130
2037-26-5	Toluene-d8 (Surr)	101		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43D-071521 Lab Sample ID: 240-152946-24

Matrix: Water Lab File ID: U1923154.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:10

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 19:48

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43D-071521 Lab Sample ID: 240-152946-24

Matrix: Water Lab File ID: U1923154.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:10

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 19:48

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44A-071521 Lab Sample ID: 240-152946-25

Matrix: Water Lab File ID: U1923155.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:40

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 20:10

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44A-071521 Lab Sample ID: 240-152946-25

Matrix: Water Lab File ID: U1923155.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:40

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 20:10

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44A-071521 Lab Sample ID: 240-152946-25

Matrix: Water Lab File ID: U1923155.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:40

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 20:10

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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)	110		47-134
1868-53-7	Dibromofluoromethane (Surr)	95		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		75-130
2037-26-5	Toluene-d8 (Surr)	104		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44A-071521 Lab Sample ID: 240-152946-25

Matrix: Water Lab File ID: U1923155.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:40

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 20:10

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44A-071521 Lab Sample ID: 240-152946-25

Matrix: Water Lab File ID: U1923155.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:40

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 20:10

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44B-071521 Lab Sample ID: 240-152946-26

Matrix: Water Lab File ID: U1923156.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:50

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 20:32

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44B-071521 Lab Sample ID: 240-152946-26

Matrix: Water Lab File ID: U1923156.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:50

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 20:32

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44B-071521 Lab Sample ID: 240-152946-26

Matrix: Water Lab File ID: U1923156.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:50

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 20:32

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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)	107		47-134
1868-53-7	Dibromofluoromethane (Surr)	92		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		75-130
2037-26-5	Toluene-d8 (Surr)	104		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44B-071521 Lab Sample ID: 240-152946-26

Matrix: Water Lab File ID: U1923156.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:50

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 20:32

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44B-071521 Lab Sample ID: 240-152946-26

Matrix: Water Lab File ID: U1923156.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:50

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 20:32

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44C-071521 Lab Sample ID: 240-152946-27

Matrix: Water Lab File ID: U1923157.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:52

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44C-071521 Lab Sample ID: 240-152946-27

Matrix: Water Lab File ID: U1923157.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:52

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44C-071521 Lab Sample ID: 240-152946-27

Matrix: Water Lab File ID: U1923157.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:52

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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)	107		47-134
1868-53-7	Dibromofluoromethane (Surr)	91		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		75-130
2037-26-5	Toluene-d8 (Surr)	103		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44C-071521 Lab Sample ID: 240-152946-27

Matrix: Water Lab File ID: U1923157.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:52

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44C-071521 Lab Sample ID: 240-152946-27

Matrix: Water Lab File ID: U1923157.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:52

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44D-071521 Lab Sample ID: 240-152946-28

Matrix: Water Lab File ID: U1923158.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:55

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44D-071521 Lab Sample ID: 240-152946-28

Matrix: Water Lab File ID: U1923158.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:55

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44D-071521 Lab Sample ID: 240-152946-28

Matrix: Water Lab File ID: U1923158.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:55

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	94		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		75-130
2037-26-5	Toluene-d8 (Surr)	101		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44D-071521 Lab Sample ID: 240-152946-28

Matrix: Water Lab File ID: U1923158.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:55

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44D-071521 Lab Sample ID: 240-152946-28

Matrix: Water Lab File ID: U1923158.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:55

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: TB-071521 Lab Sample ID: 240-152946-29

Matrix: Water Lab File ID: U1923159.d

Analysis Method: 8260C Date Collected: 07/15/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 21:39

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: TB-071521 Lab Sample ID: 240-152946-29

Matrix: Water Lab File ID: U1923159.d

Analysis Method: 8260C Date Collected: 07/15/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 21:39

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: TB-071521 Lab Sample ID: 240-152946-29

Matrix: Water Lab File ID: U1923159.d

Analysis Method: 8260C Date Collected: 07/15/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 21:39

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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)	105		47-134
1868-53-7	Dibromofluoromethane (Surr)	94		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		75-130
2037-26-5	Toluene-d8 (Surr)	102		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: TB-071521 Lab Sample ID: 240-152946-29

Matrix: Water Lab File ID: U1923159.d

Analysis Method: 8260C Date Collected: 07/15/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 21:39

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: TB-071521 Lab Sample ID: 240-152946-29

Matrix: Water Lab File ID: U1923159.d

Analysis Method: 8260C Date Collected: 07/15/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 21:39

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW46A-071521 Lab Sample ID: 240-152946-30

Matrix: Water Lab File ID: U1923160.d

Analysis Method: 8260C Date Collected: 07/15/2021 09:05

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 22:01

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW46A-071521 Lab Sample ID: 240-152946-30

Matrix: Water Lab File ID: U1923160.d

Analysis Method: 8260C Date Collected: 07/15/2021 09:05

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 22:01

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW46A-071521 Lab Sample ID: 240-152946-30

Matrix: Water Lab File ID: U1923160.d

Analysis Method: 8260C Date Collected: 07/15/2021 09:05

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 22:01

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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)	104		47-134
1868-53-7	Dibromofluoromethane (Surr)	92		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		75-130
2037-26-5	Toluene-d8 (Surr)	103		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW46A-071521 Lab Sample ID: 240-152946-30

Matrix: Water Lab File ID: U1923160.d

Analysis Method: 8260C Date Collected: 07/15/2021 09:05

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 22:01

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW46A-071521 Lab Sample ID: 240-152946-30

Matrix: Water Lab File ID: U1923160.d

Analysis Method: 8260C Date Collected: 07/15/2021 09:05

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 22:01

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW47A-071521 Lab Sample ID: 240-152946-31

Matrix: Water Lab File ID: U1923161.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:46

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW47A-071521 Lab Sample ID: 240-152946-31

Matrix: Water Lab File ID: U1923161.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:46

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW47A-071521 Lab Sample ID: 240-152946-31

Matrix: Water Lab File ID: U1923161.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:46

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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)	105		47-134
1868-53-7	Dibromofluoromethane (Surr)	92		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		75-130
2037-26-5	Toluene-d8 (Surr)	102		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW47A-071521 Lab Sample ID: 240-152946-31

Matrix: Water Lab File ID: U1923161.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:46

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW47A-071521 Lab Sample ID: 240-152946-31

Matrix: Water Lab File ID: U1923161.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:46

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW48A-071521 Lab Sample ID: 240-152946-32

Matrix: Water Lab File ID: U1923162.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:30

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW48A-071521 Lab Sample ID: 240-152946-32

Matrix: Water Lab File ID: U1923162.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:30

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW48A-071521 Lab Sample ID: 240-152946-32

Matrix: Water Lab File ID: U1923162.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:30

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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)	105		47-134
1868-53-7	Dibromofluoromethane (Surr)	93		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		75-130
2037-26-5	Toluene-d8 (Surr)	102		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW48A-071521 Lab Sample ID: 240-152946-32

Matrix: Water Lab File ID: U1923162.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:30

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW48A-071521 Lab Sample ID: 240-152946-32

Matrix: Water Lab File ID: U1923162.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:30

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW49A-071521 Lab Sample ID: 240-152946-33

Matrix: Water Lab File ID: U1923163.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:15

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 23:08

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW49A-071521 Lab Sample ID: 240-152946-33

Matrix: Water Lab File ID: U1923163.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:15

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 23:08

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW49A-071521 Lab Sample ID: 240-152946-33

Matrix: Water Lab File ID: U1923163.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:15

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 23:08

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	93		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		75-130
2037-26-5	Toluene-d8 (Surr)	101		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW49A-071521 Lab Sample ID: 240-152946-33

Matrix: Water Lab File ID: U1923163.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:15

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 23:08

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW49A-071521 Lab Sample ID: 240-152946-33

Matrix: Water Lab File ID: U1923163.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:15

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 23:08

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 Units: ug/L

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

Appendix C

Support Documentation

eurofins | Environment Testing America

ANALYTICAL REPORT

Job Number: 240-152946-1

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

Roxanne Cisneros

Approved for release.
Roxanne Cisneros
Senior Project Manager
7/28/2021 8:52 AM

Roxanne Cisneros, Senior Project Manager
4101 Shuffel Street NW, North Canton, OH, 44720
(615)301-5761
roxanne.cisneros@Eurofinset.com
07/28/2021

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

Definitions/Glossary

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water

Job ID: 240-152946-1
SDG: Frog Mortar Creek

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
E	Result exceeded calibration range.
U	Indicates the analyte was analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
T	Result is a tentatively identified compound (TIC) and an estimated value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
240-152946-1

Comments
No additional comments.

Receipt
The samples were received on 7/16/2021 12:27 PM. 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 5.8º C.

GC/MS VOA
Methods 8260C: The continuing calibration verification (CCV) analyzed in batch 240-495770 was outside the method criteria for the following analyte(s): Multiple Analytes. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. MSA-SW37A-071521 (240-152946-1), MSA-SW37B-071521 (240-152946-2), MSA-SW37C-071521 (240-152946-3), MSA-SW37D-071521 (240-152946-4), MSA-SW38A-071521 (240-152946-5) and (CCVIS 240-495770/3)

Method 8260C: 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-071521 (240-152946-1), MSA-SW37B-071521 (240-152946-2), MSA-SW37C-071521 (240-152946-3), MSA-SW37D-071521 (240-152946-4), MSA-SW38A-071521 (240-152946-5), MSA-SW38B-071521 (240-152946-6), MSA-SW38C-071521 (240-152946-7), MSA-SW38D-071521 (240-152946-8), MSA-SW40A-071521 (240-152946-9), MSA-SW40B-071521 (240-152946-10), MSA-SW40C-071521 (240-152946-11), MSA-SW40D-071521 (240-152946-12), MSA-SW41A-071521 (240-152946-13), MSA-SW41B-071521 (240-152946-14), MSA-SW41C-071521 (240-152946-15), MSA-SW41D-071521 (240-152946-16), MSA-SW42A-071521 (240-152946-17), MSA-SW42B-071521 (240-152946-18), MSA-SW42C-071521 (240-152946-19), MSA-SW42D-071521 (240-152946-20), MSA-SW43A-071521 (240-152946-21), MSA-SW43B-071521 (240-152946-22). MSA-SW43C-071521 (240-152946-23), MSA-SW43D-071521 (240-152946-24), MSA-SW44A-071521 (240-152946-25), MSA-SW44B-071521 (240-152946-26), MSA-SW44C-071521 (240-152946-27), MSA-SW44D-071521 (240-152946-28), TB-071521 (240-152946-29), MSA-SW46A-071521 (240-152946-30), MSA-SW47A-071521 (240-152946-31), MSA-SW48A-071521 (240-152946-32) and MSA-SW49A-071521 (240-152946-33). The requested target analyte list includes 2-Chloroethyl vinyl ether, an acid-labile compound that degrades in an acidic medium.

Methods 8260C: The continuing calibration verification (CCV) analyzed in batch 240-495975 was outside the method criteria for the following analyte(s): Multiple Analytes. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. MSA-SW38B-071521 (240-152946-6) and (CCVIS 240-495975/3)

Methods 8260C: The laboratory control sample (LCS) for analytical batch 240-495975 recovered outside control limits for the following analytes: Dichlorodi fluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. MSA-SW38B-071521 (240-152946-6) and (LCS 240-495975/5)

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 240-496393 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.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 240-496159 was outside the method criteria for the following analyte(s): Multiple Analytes. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. MSA-SW38C-071521 (240-152946-7), MSA-SW38D-071521 (240-152946-8), MSA-SW40A-071521 (240-152946-9), MSA-SW40B-071521 (240-152946-10), MSA-SW40C-071521 (240-152946-11), MSA-SW40D-071521 (240-152946-12), MSA-SW41A-071521 (240-152946-13), MSA-SW41B-071521 (240-152946-14), MSA-SW41C-071521 (240-152946-15), MSA-SW41D-071521 (240-152946-16), MSA-SW42A-071521 (240-152946-17) and MSA-SW42C-071521 (240-152946-19)

Method 8260C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 240-496159.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 240-496537 was outside the method criteria for the following analyte(s): 2-Chloroethyl vinyl ether and Vinyl acetate. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. MSA-SW42B-071521 (240-152946-18), MSA-SW42D-071521 (240-152946-20), MSA-SW43A-071521 (240-152946-21), MSA-SW43B-071521 (240-152946-22) and (CCVIS 240-496537/3)

Method 8260C: The continuing calibration verification (CCV), laboratory control sample (LCS) and matrix spike (MS) exceeded calibration range but passed the % recovery limits. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. The samples associated with the standards were non-detects for Bromomethane; therefore, the data have been reported. The associated samples are impacted: (CCVIS 240-496537/3), (LCS 240-496537/5) and (240-153306-B-2 MS).

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

North Canton
4101 Shuffel Street, N. W.

North Canton, OH 44720
phone 330.497.9396 fax 330.497.0772

Baltimore #201

5A/5i

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Josh Mullis	Site Contact: Josh Mullis	Date: 7/15/2021	COC No:
Tetra Tech	Tel/Fax: 410-279-2700	Lab Contact: Roxanne C.	Carrier: Fedex	1 of 3 COCs
20251 Century Blvd, Suite 200	Analysis Turnaround Time			Job No.
Germantown, MD 20874	Calendar (C) or Work Days (W)			
(301) 528-3021 Phone	TAT if different from Below: STANDARD			
(301) 528-3000 FAX	☐ 2 weeks			SDG No.
Project Name: MSA Surface Water Sampling	☐ 1 week			
Site: MSA Frog Mortar Creek	☐ 2 days			
Project # 112IC09343	☐ 1 day			Sampler: J Mullis

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	VOCs + Freon 113/22 + TIC (8260C)	Sample Specific Notes:
MSA-SW37A-071521	7/15/2021	0921	SW	Water	3		x	
MSA-SW37B-071521	7/15/2021	0923	SW	Water	3		x	
MSA-SW37C-071521	7/15/2021	0926	SW	Water	3		x	
MSA-SW37D-071521	7/15/2021	0928	SW	Water	3		x	
MSA-SW38A-071521	7/15/2021	0834	SW	Water	3		x	
MSA-SW38B-071521	7/15/2021	0836	SW	Water	3		x	
MSA-SW38C-071521	7/15/2021	0838	SW	Water	3		x	
MSA-SW38D-071521	7/15/2021	0841	SW	Water	3		x	
MSA-SW40A-071521	7/15/2021	0851	SW	Water	3		x	
MSA-SW40B-071521	7/15/2021	0854	SW	Water	3		x	
MSA-SW40C-071521	7/15/2021	0857	SW	Water	3		x	
MSA-SW40D-071521	7/15/2021	0900	SW	Water	3		x	
							2	

240-152946 Chain of Custody

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	7/15/21			7/15/21 1520
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
		7/15/21		ETA	7-16-21 940
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: 8/12/2020	COC No:
Tetra Tech	Tel/Fax: 410-279-2700	Lab Contact: Roxanne C.	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			
(301) 528-3000 FAX	☐ 2 weeks			SDG No.
Project Name: MSA Surface Water Sampling	☐ 1 week			
Site: MSA Frog Mortar Creek	☐ 2 days			Sampler: J Mullis
Project # 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-071521	7/15/2021	0818	SW	Water	3		x	
MSA-SW41B-071521	7/15/2021	0821	SW	Water	3		x	
MSA-SW41C-071521	7/15/2021	0825	SW	Water	3		x	
MSA-SW41D-071521	7/15/2021	0827	SW	Water	3		x	
MSA-SW42A-071521	7/15/2021	0908	SW	Water	3		x	
MSA-SW42B-071521	7/15/2021	0910	SW	Water	3		x	
MSA-SW42C-071521	7/15/2021	0913	SW	Water	3		x	
MSA-SW42D-071521	7/15/2021	0916	SW	Water	3		x	
MSA-SW43A-071521	7/15/2021	0800	SW	Water	3		x	
MSA-SW43B-071521	7/15/2021	0804	SW	Water	3		x	
MSA-SW43C-071521	7/15/2021	0807	SW	Water	3		x	
MSA-SW43D-071521	7/15/2021	0810	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	7/15/21			7/15/21 1500
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
		7/15/21 20		STA	7-16-21 940
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

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: 8/12/2020	COC No:
Tetra Tech	Tel/Fax: 410-279-2700	Lab Contact: Roxanne C.	Carrier: Fedex	3 of 3 COCs
20251 Century Blvd, Suite 200	Analysis Turnaround Time			Job No.
Germantown, MD 20874	Calendar (C) or Work Days (W)			
(301) 528-3021 Phone	TAT if different from Below: STANDARD			
(301) 528-3000 FAX	☐ 2 weeks			SDG No.
Project Name: MSA Surface Water Sampling	☐ 1 week			
Site: MSA Frog Mortar Creek	☐ 2 days			
Project # 112IC09343	☐ 1 day			Sampler: J Mullis

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	VOCs + Freon 113/22 + TIC (8260C)	Sample Specific Notes:
MSA-SW44A-071521	7/15/2021	0740	SW	Water	3		x	
MSA-SW44B-071521	7/15/2021	0750	SW	Water	3		x	
MSA-SW44C-071521	7/15/2021	0752	SW	Water	3		x	
MSA-SW44D-071521	7/15/2021	0755	SW	Water	3		x	
TB-071521	7/15/2021	0000	SW	Water	2		x	
MSA-SW46A-071521	7/15/2021	0905	SW	Water	3		x	
MSA-SW47A-071521	7/15/2021	0846	SW	Water	3		x	
MSA-SW48A-071521	7/15/2021	0830	SW	Water	3		x	
MSA-SW49A-071521	7/15/2021	0815	SW	Water	3		x	

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____ 2

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:

	Company	Date/Time	Received by	Company	Date/Time
Relinquished by:	Tetra Tech	7/15/21		TA Balt	7/15/21 1500
Relinquished by:	TA Balt	7/16/21		ET-A	7-16-21 940
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 2, dated 03/06/2012

07/28/2021

Eurofins TestAmerica Canton Sample Receipt Form/Narrative **Login # : 152946**
Canton Facility

Client Tetra Tech Site Name _____ Cooler unpacked by: Trent

Cooler Received on 7-16-21 Opened on 7-16-21

FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # TA Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☐ See Multiple Cooler Form
   IR GUN# IR-11 (CF +0.1 °C) Observed Cooler Temp. 5.7 °C Corrected Cooler Temp. 5.8 °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 1	Yes	No
-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
-Were tamper/custody seals intact and uncompromised?	Yes	No NA
3. Shippers' packing slip attached to the cooler(s)?	Yes	No
4. Did custody papers accompany the sample(s)?	Yes	No
5. Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7. Did all bottles arrive in good condition (Unbroken)?	Yes	No
8. Could all bottle labels (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# **HC022887**
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 # 030420/6	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) _____ 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: _____

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 12:04 Calibration End Date: 04/23/2021 14:53 Calibration ID: 61157

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-482539/16	UXM36566.D
Level 2	STD8260 240-482539/15	UXM36565.D
Level 3	STD8260 240-482539/14	UXM36564.D
Level 4	STD8260 240-482539/13	UXM36563.D
Level 5	ICIS 240-482539/12	UXM36562.D
Level 6	STD8260 240-482539/11	UXM36561.D
Level 7	STD8260 240-482539/10	UXM36560.D
Level 8	STD8260 240-482539/9	UXM36559.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	0.4112 0.3130	0.4098 0.3278	0.3873 0.3078	0.3617	0.3586	Ave		0.3597			0.1000	11.4		20.0			
Chloromethane	+++++ 0.3273	0.4460 0.3163	0.4080 +++++	0.3736	0.3555	Ave		0.3711			0.1000	13.3		20.0			
Vinyl chloride	0.4141 0.3358	0.3988 0.3285	0.4090 0.3163	0.3805	0.3633	Ave		0.3683			0.1000	10.4		20.0			
Butadiene	0.4479 0.3103	0.4146 0.3094	0.3841 0.3012	0.3523	0.3419	Ave		0.3577				15.0		20.0			
Bromomethane	0.3445 +++++	0.3259 +++++	0.2408 +++++	0.2170	0.1995	Lin1	0.0941	0.2025			0.0500	16.8			0.9960		0.9900
Chloroethane	0.2037 0.2002	0.2257 0.1981	0.2163 0.1902	0.2109	0.2082	Ave		0.2067			0.0500	5.4		20.0			
Dichlorofluoromethane	0.5338 0.4335	0.5310 0.4218	0.5037 0.3981	0.4716	0.4631	Ave		0.4696				10.7		20.0			
Trichlorofluoromethane	0.3957 0.3750	0.4243 0.3815	0.4356 0.3611	0.4158	0.4125	Ave		0.4002			0.1000	6.5		20.0			
Ethyl ether	0.1680 0.1816	0.1727 0.1739	0.1920 0.1676	0.1890	0.1833	Ave		0.1785				5.2		20.0			
Acrolein	0.0111 0.0106	0.0117 0.0101	0.0118 0.0103	0.0114	0.0105	Ave		0.0109				6.0		20.0			
1,1-Dichloroethene	0.2622 0.2097	0.2239 0.2015	0.2492 0.1895	0.2248	0.2166	Ave		0.2222			0.1000	10.8		20.0			
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.1731 0.1782	0.1708 0.1661	0.2003 0.1560	0.1827	0.1573	Ave		0.1731			0.0500	8.3		20.0			
Acetone	+++++ 0.0191	0.0375 0.0174	0.0232 0.0178	0.0208	0.0197	Lin1	0.0445	0.0178			0.0100	7.9			0.9980		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.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 12:04 Calibration End Date: 04/23/2021 14:53 Calibration ID: 61157

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	+++++ 0.2867	0.3440 0.2800	0.3099 0.2468	0.2954	0.3014	Ave		0.2949				10.1		20.0			
Carbon disulfide	0.7923 0.6792	0.8088 0.6522	0.8125 0.6150	0.7439	0.7185	Ave		0.7278			0.1000	10.3		20.0			
Methyl acetate	+++++ 0.1632	0.1801 0.1543	0.1729 0.1603	0.1697	0.1592	Ave		0.1657			0.1000	5.4		20.0			
3-Chloro-1-propene	+++++ 0.3623	0.4503 0.3538	0.4352 0.3354	0.3931	0.3845	Ave		0.3878				10.9		20.0			
Methylene Chloride	0.3237 0.2408	0.2862 0.2319	0.2878 0.2210	0.2622	0.2528	Ave		0.2633			0.1000	13.0		20.0			
tert-Butyl alcohol	0.0197 0.0230	0.0225 0.0205	0.0228 0.0223	0.0235	0.0213	Ave		0.0219				6.0		20.0			
Acrylonitrile	0.0946 0.0895	0.0948 0.0841	0.0950 0.0863	0.0944	0.0881	Ave		0.0908				4.8		20.0			
Methyl tert-butyl ether	0.4972 0.6632	0.5237 0.6387	0.6572 0.6561	0.6561	0.6358	Ave		0.6160			0.1000	10.7		20.0			
trans-1,2-Dichloroethene	0.2984 0.2518	0.2730 0.2453	0.2966 0.2380	0.2677	0.2605	Ave		0.2664			0.1000	8.4		20.0			
Hexane	0.3567 0.3790	0.3477 0.3565	0.3649 0.3563	0.3511	0.2974	Ave		0.3512				6.8		20.0			
Vinyl acetate	+++++ 0.3077	0.1577 0.3081	0.2417 0.3105	0.2776	0.2906	Lin1	-0.197	0.3100				8.0			0.9990		0.9900
1,1-Dichloroethane	0.5315 0.4353	0.5168 0.4183	0.5194 0.4056	0.4667	0.4564	Ave		0.4687			0.2000	10.4		20.0			
2-Butanone	+++++ 0.0265	0.0161 0.0248	0.0226 0.0265	0.0240	0.0243	Ave		0.0236			0.0100	15.1		20.0			
2,2-Dichloropropane	0.4216 0.4006	0.4175 0.3893	0.4454 0.3790	0.4225	0.4124	Ave		0.4110				5.1		20.0			
cis-1,2-Dichloroethene	0.3408 0.2761	0.3344 0.2656	0.3138 0.2533	0.2951	0.2871	Ave		0.2958			0.1000	10.7		20.0			
Bromochloromethane	0.1408 0.1212	0.1523 0.1157	0.1414 0.1115	0.1332	0.1286	Ave		0.1306				10.7		20.0			
Tetrahydrofuran	0.0731 0.0637	0.0785 0.0598	0.0691 0.0637	0.0694	0.0606	Ave		0.0672				9.7		20.0			
Chloroform	0.5152 0.4185	0.5271 0.4042	0.5029 0.3892	0.4597	0.4414	Ave		0.4573			0.2000	11.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 12:04 Calibration End Date: 04/23/2021 14:53 Calibration ID: 61157

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	0.4334 0.3702	0.4165 0.3593	0.4324 0.3523	0.3989	0.3902	Ave		0.3941			0.1000	8.1		20.0			
Cyclohexane	0.4467 0.4416	0.4262 0.4172	0.4964 0.4058	0.4533	0.3959	Ave		0.4354			0.1000	7.3		20.0			
1,1-Dichloropropene	0.3039 0.3577	0.3055 0.3455	0.3655 0.3352	0.3556	0.3506	Ave		0.3399				6.9		20.0			
Carbon tetrachloride	0.3040 0.3227	0.3180 0.3134	0.3581 0.3023	0.3408	0.3284	Ave		0.3235			0.1000	5.8		20.0			
Isobutyl alcohol	+++++ 0.0067	0.0099 0.0061	0.0066 0.0067	0.0066	0.0060	Ave		0.0069				19.4		20.0			
Benzene	1.0138 1.0143	0.9891 0.9833	1.0795 0.9599	1.0303	1.0136	Ave		1.0105			0.5000	3.5		20.0			
1,2-Dichloroethane	0.3188 0.3283	0.3464 0.3157	0.3804 0.3109	0.3526	0.3382	Ave		0.3364			0.1000	6.9		20.0			
n-Heptane	+++++ 0.2144	0.8802 0.1936	0.3377 0.1887	0.2567	0.1924	Lin1	0.7042	0.1821				8.2			0.9960		0.9900
Trichloroethene	0.2467 0.2681	0.2495 0.2590	0.2847 0.2518	0.2743	0.2662	Ave		0.2625			0.1500	5.0		20.0			
Methylcyclohexane	0.4194 0.4783	0.4077 0.4531	0.4789 0.4475	0.4632	0.4019	Ave		0.4438			0.1000	6.9		20.0			
1,2-Dichloropropane	0.2237 0.2434	0.2318 0.2348	0.2548 0.2283	0.2454	0.2434	Ave		0.2382			0.1000	4.3		20.0			
1,4-Dioxane	+++++ 0.0031	0.0023 0.0028	0.0031 0.0029	0.0031	0.0029	Ave		0.0029				9.4		20.0			
Dibromomethane	0.1614 0.1384	0.1598 0.1317	0.1562 0.1296	0.1490	0.1437	Ave		0.1462				8.5		20.0			
Bromodichloromethane	0.3758 0.3237	0.3512 0.3126	0.3745 0.3073	0.3429	0.3313	Ave		0.3399			0.1500	7.7		20.0			
2-Chloroethyl vinyl ether	0.1180 0.1496	0.1065 0.1426	0.1438 0.1479	0.1446	0.1400	Ave		0.1366				11.5		20.0			
cis-1,3-Dichloropropene	0.3618 0.4104	0.3529 0.3979	0.4107 0.3934	0.4075	0.4047	Ave		0.3924			0.1500	5.7		20.0			
4-Methyl-2-pentanone	+++++ 0.1860	0.1655 0.1700	0.1890 0.1827	0.1882	0.1768	Ave		0.1797			0.0500	5.1		20.0			
Toluene	1.4384 1.4584	1.3761 1.4324	1.5186 1.3889	1.4376	1.4080	Ave		1.4323			0.4000	3.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 12:04 Calibration End Date: 04/23/2021 14:53 Calibration ID: 61157

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	0.3410 0.5093	0.3762 0.4973	0.4572 0.4913	0.4625	0.4622	Ave		0.4496			0.1000	13.3		20.0			
Ethyl methacrylate	0.3564 0.3588	0.3784 0.3356	0.3546 0.3399	0.3651	0.3464	Ave		0.3544				3.9		20.0			
1,1,2-Trichloroethane	0.2217 0.2680	0.2028 0.2587	0.2516 0.2579	0.2484	0.2462	Ave		0.2444			0.1000	8.8		20.0			
Tetrachloroethene	0.2286 0.2840	0.2530 0.2757	0.2811 0.2645	0.2751	0.2667	Ave		0.2661			0.1500	6.8		20.0			
1,3-Dichloropropane	0.3755 0.4907	0.3705 0.4783	0.4560 0.4708	0.4679	0.4616	Ave		0.4464				10.4		20.0			
2-Hexanone	+++++ 0.1716	0.1535 0.1564	0.1788 0.1660	0.1721	0.1582	Ave		0.1652			0.0500	5.7		20.0			
Dibromochloromethane	0.2431 0.3068	0.2560 0.2999	0.2852 0.2986	0.2830	0.2849	Ave		0.2822				7.8		20.0			
1,2-Dibromoethane	0.1782 0.2743	0.2011 0.2679	0.2495 0.2656	0.2585	0.2525	Ave		0.2435				14.3		20.0			
Chlorobenzene	0.9034 0.9204	0.9209 0.9020	0.9749 0.8685	0.9284	0.8913	Ave		0.9137			0.3000	3.4		20.0			
1,1,1,2-Tetrachloroethane	0.2314 0.3137	0.2422 0.3102	0.2918 0.3048	0.2887	0.2899	Ave		0.2841				10.8		20.0			
Ethylbenzene	0.5240 0.5206	0.4978 0.5124	0.5528 0.4983	0.5190	0.5162	Ave		0.5176				3.3		20.0			
m-Xylene & p-Xylene	0.6764 0.6537	0.6360 0.6396	0.6980 0.6234	0.6640	0.6437	Ave		0.6543				3.7		20.0			
o-Xylene	0.6026 0.6226	0.6180 0.6057	0.6630 0.5885	0.6293	0.6042	Ave		0.6167				3.7		20.0			
Styrene	0.9103 0.9623	0.9223 0.9458	0.9822 0.9246	0.9555	0.9434	Ave		0.9433			0.3000	2.5		20.0			
Bromoform	0.1283 0.1966	0.1431 0.1896	0.1723 0.1955	0.1758	0.1773	Ave		0.1723			0.1000	14.3		20.0			
Isopropylbenzene	1.5279 1.6461	1.5516 1.6316	1.7440 1.5888	1.6379	1.6229	Ave		1.6188			0.1000	4.1		20.0			
1,1,2,2-Tetrachloroethane	0.5223 0.5938	0.4677 0.5730	0.5675 0.5752	0.5696	0.5600	Ave		0.5537			0.3000	7.3		20.0			
Bromobenzene	0.6346 0.6816	0.6126 0.6664	0.7208 0.6308	0.6853	0.6704	Ave		0.6628				5.3		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.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 12:04 Calibration End Date: 04/23/2021 14:53 Calibration ID: 61157

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-1,4-Dichloro-2-butene	0.1807 0.2032	0.1588 0.1912	0.1954 0.1959	0.1948	0.1824	Ave		0.1878				7.4		20.0			
1,2,3-Trichloropropane	0.1616 0.1998	0.1444 0.1911	0.1839 0.1946	0.1926	0.1791	Ave		0.1809				10.4		20.0			
n-Propylbenzene	0.7992 0.8751	0.8222 0.8631	0.9060 0.8212	0.8706	0.8397	Ave		0.8496				4.1		20.0			
2-Chlorotoluene	0.6263 0.7088	0.6755 0.6961	0.7526 0.6548	0.7132	0.6800	Ave		0.6884				5.6		20.0			
1,3,5-Trimethylbenzene	2.4368 2.5807	2.4124 2.5461	2.7937 2.4201	2.6234	2.5171	Ave		2.5413				5.0		20.0			
4-Chlorotoluene	0.6506 0.7327	0.6949 0.7248	0.7803 0.6886	0.7426	0.7285	Ave		0.7179				5.5		20.0			
tert-Butylbenzene	2.1271 2.2282	2.1107 2.2050	2.3454 2.0861	2.2422	2.1771	Ave		2.1902				3.8		20.0			
1,2,4-Trimethylbenzene	2.5009 2.5951	2.5018 2.5722	2.7467 2.4448	2.6482	2.5646	Ave		2.5718				3.7		20.0			
sec-Butylbenzene	3.1426 3.3544	3.1765 3.3262	3.5070 3.1464	3.3560	3.2636	Ave		3.2841				3.9		20.0			
1,3-Dichlorobenzene	1.2597 1.3328	1.3318 1.3143	1.4508 1.2621	1.3550	1.3091	Ave		1.3269			0.6000	4.5		20.0			
p-Isopropyltoluene	2.5308 2.8818	2.6745 2.8327	3.0274 2.6968	2.9204	2.8234	Ave		2.7985				5.6		20.0			
1,4-Dichlorobenzene	1.2917 1.3455	1.3054 1.3214	1.4251 1.2651	1.3774	1.3186	Ave		1.3313			0.5000	3.8		20.0			
n-Butylbenzene	2.3069 2.6060	2.3731 2.5996	2.7246 2.4669	2.6242	2.5279	Ave		2.5286				5.5		20.0			
1,2-Dichlorobenzene	1.2125 1.2314	1.2107 1.2017	1.3196 1.1530	1.2819	1.2190	Ave		1.2287			0.4000	4.2		20.0			
1,2-Dibromo-3-Chloropropane	0.0883 0.1432	0.1234 0.1350	0.1379 0.1359	0.1441	0.1351	Ave		0.1304			0.0500	13.9		20.0			
1,2,4-Trichlorobenzene	0.6738 0.7380	0.6878 0.7178	0.7556 0.6826	0.7381	0.7157	Ave		0.7137			0.2000	4.2		20.0			
Hexachlorobutadiene	0.3052 0.3358	0.3022 0.3249	0.3465 0.3029	0.3358	0.3183	Ave		0.3214				5.3		20.0			
Naphthalene	1.6520 1.9087	1.6571 1.8317	1.9080 1.7899	1.9392	1.8194	Ave		1.8133				6.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 12:04 Calibration End Date: 04/23/2021 14:53 Calibration ID: 61157

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	0.5718 0.6253	0.6005 0.6031	0.6273 0.5759	0.6378	0.6018	Ave		0.6054				3.9		20.0			
Dibromofluoromethane (Surr)	0.2619 0.2248	0.2679 0.2194	0.2652 0.2130	0.2459	0.2438	Ave		0.2427				8.9		20.0			
1,2-Dichloroethane-d4 (Surr)	0.3035 0.2715	0.2954 0.2650	0.3152 0.2619	0.2934	0.2867	Ave		0.2866				6.6		20.0			
Toluene-d8 (Surr)	1.1380 1.2442	1.1375 1.2351	1.3082 1.2121	1.2379	1.2413	Ave		1.2193				4.7		20.0			
4-Bromofluorobenzene (Surr)	0.4602 0.4636	0.4828 0.4566	0.5048 0.4547	0.4619	0.4665	Ave		0.4689				3.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 12:04 Calibration End Date: 04/23/2021 14:53 Calibration ID: 61157

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-482539/16	UXM36566.D
Level 2	STD8260 240-482539/15	UXM36565.D
Level 3	STD8260 240-482539/14	UXM36564.D
Level 4	STD8260 240-482539/13	UXM36563.D
Level 5	ICIS 240-482539/12	UXM36562.D
Level 6	STD8260 240-482539/11	UXM36561.D
Level 7	STD8260 240-482539/10	UXM36560.D
Level 8	STD8260 240-482539/9	UXM36559.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	11341 986295	23218 1568333	124485 1923007	254644	521337	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Chloromethane	FB	Ave	+++++ 1031351	25267 1513352	131139 +++++	263016	516784	+++++ 40.0	1.00 60.0	5.00 +++++	10.0	20.0
Vinyl chloride	FB	Ave	11420 1057956	22592 1571479	131472 1976569	267847	528137	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Butadiene	FB	Ave	12352 977604	23486 1480342	123470 1881802	248030	497027	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Bromomethane	FB	Lin1	9501 +++++	18466 +++++	77394 +++++	152735	290069	0.500 +++++	1.00 +++++	5.00 +++++	10.0	20.0
Chloroethane	FB	Ave	5618 630668	12787 947711	69524 1188246	148494	302707	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Dichlorofluoromethane	FB	Ave	14721 1365825	30081 2018120	161927 2487529	332011	673250	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Trichlorofluoromethane	FB	Ave	10912 1181544	24040 1825144	140019 2256344	292728	599691	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Ethyl ether	FB	Ave	4633 572153	9785 832192	61706 1047306	133043	266538	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Acrolein	FB	Ave	1531 166897	3319 242629	19008 320406	40042	76326	2.50 200	5.00 300	25.0 400	50.0	100
1,1-Dichloroethene	FB	Ave	7231 660895	12685 964125	80095 1184360	158281	314864	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	FB	Ave	4774 561558	9678 794862	64382 975025	128614	228650	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Acetone	FB	Lin1	+++++	4247	14891	29262	57286	+++++	2.00	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.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 12:04 Calibration End Date: 04/23/2021 14:53 Calibration ID: 61157

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
			120532	166617	222567			80.0	120	160		
Iodomethane	FB	Ave	+++++ 903532	19491 1339685	99622 1542405	207946	438172	+++++ 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Carbon disulfide	FB	Ave	21850 2140127	45821 3120201	261190 3842562	523663	1044507	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Methyl acetate	FB	Ave	+++++ 1028384	20407 1476682	111187 2003502	238923	462809	+++++ 80.0	2.00 120	10.0 160	20.0	40.0
3-Chloro-1-propene	FB	Ave	+++++ 1141607	25509 1692772	139897 2095485	276742	558975	+++++ 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Methylene Chloride	FB	Ave	8927 758873	16215 1109654	92507 1381172	184603	367525	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
tert-Butyl alcohol	FB	Ave	5433 723769	12719 982049	73438 1396265	165085	309438	5.00 400	10.0 600	50.0 800	100	200
Acrylonitrile	FB	Ave	26080 2820675	53687 4021522	305445 5391486	664489	1280837	5.00 400	10.0 600	50.0 800	100	200
Methyl tert-butyl ether	FB	Ave	13713 2089784	29667 3055508	211246 4099659	461885	924323	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
trans-1,2-Dichloroethene	FB	Ave	8230 793418	15467 1173698	95348 1487254	188448	378740	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Hexane	FB	Ave	9837 1194103	19699 1705650	117310 2226303	247142	432385	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Vinyl acetate	FB	Lin1	+++++ 969527	8934 1473979	77689 1940326	195424	422523	+++++ 40.0	1.00 60.0	5.00 80.0	10.0	20.0
1,1-Dichloroethane	FB	Ave	14658 1371481	29277 2000964	166953 2534657	328532	663468	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
2-Butanone	FB	Ave	+++++ 167113	1825 237568	14532 330770	33818	70697	+++++ 80.0	2.00 120	10.0 160	20.0	40.0
2,2-Dichloropropane	FB	Ave	11626 1262244	23655 1862453	143169 2367980	297447	599623	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
cis-1,2-Dichloroethene	FB	Ave	9400 869864	18944 1270837	100880 1582529	207739	417324	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Bromochloromethane	FB	Ave	3884 381984	8629 553423	45439 696665	93795	186898	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Tetrahydrofuran	FB	Ave	4033 401653	8899 572186	44420 796162	97770	176066	1.00 80.0	2.00 120	10.0 160	20.0	40.0
Chloroform	FB	Ave	14209	29860	161649	323587	641693	0.500	1.00	5.00	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.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 12:04 Calibration End Date: 04/23/2021 14:53 Calibration ID: 61157

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
			1318579	1933612	2432009			40.0	60.0	80.0		
1,1,1-Trichloroethane	FB	Ave	11951 1166383	23594 1718787	139010 2201508	280774	567341	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Cyclohexane	FB	Ave	12320 1391366	24144 1995738	159570 2535839	319119	575608	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
1,1-Dichloropropene	FB	Ave	8382 1127144	17307 1652962	117502 2094409	250312	509778	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Carbon tetrachloride	FB	Ave	8385 1016878	18014 1499291	115116 1888726	239938	477414	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Isobutyl alcohol	FB	Ave	+++++ 530198	14075 727267	53023 1043686	115884	218878	+++++ 1000	25.0 1500	125 2000	250	500
Benzene	FB	Ave	27960 3196092	56037 4704418	347008 5997719	725305	1473638	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
1,2-Dichloroethane	FB	Ave	8791 1034413	19627 1510298	122297 1942606	248188	491692	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
n-Heptane	FB	Lin1	+++++ 675481	49864 926191	108563 1178879	180723	279763	+++++ 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Trichloroethene	FB	Ave	6804 844884	14137 1238968	91508 1573112	193060	387000	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Methylcyclohexane	FB	Ave	11565 1507102	23099 2167660	153952 2796103	326060	584351	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
1,2-Dichloropropane	FB	Ave	6169 766906	13133 1123332	81893 1426764	172735	353789	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
1,4-Dioxane	FB	Ave	+++++ 194270	2633 265006	19790 362849	43100	84760	+++++ 800	20.0 1200	100 1600	200	400
Dibromomethane	FB	Ave	4450 435944	9051 630065	50215 809597	104904	208931	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Bromodichloromethane	FB	Ave	10363 1020084	19896 1495430	120385 1919875	241373	481632	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
2-Chloroethyl vinyl ether	FB	Ave	6507 942860	12064 1364196	92465 1848816	203564	407001	1.00 80.0	2.00 120	10.0 160	20.0	40.0
cis-1,3-Dichloropropene	FB	Ave	9979 1293185	19993 1903637	132008 2458040	286830	588401	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
4-Methyl-2-pentanone	FB	Ave	+++++ 1171893	18753 1626995	121526 2283285	264982	513998	+++++ 80.0	2.00 120	10.0 160	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.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 12:04 Calibration End Date: 04/23/2021 14:53 Calibration ID: 61157

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	34328 3419906	66231 5058475	393678 6528007	800365	1602590	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	8138 1194300	18104 1756332	118531 2309153	257488	526075	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Ethyl methacrylate	CBNZ d5	Ave	8505 841290	18212 1185302	91928 1597367	203244	394251	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
1,1,2-Trichloroethane	CBNZ d5	Ave	5292 628571	9762 913602	65237 1212190	138281	280265	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Tetrachloroethene	CBNZ d5	Ave	5456 665975	12179 973646	72881 1243255	153170	303515	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
1,3-Dichloropropane	CBNZ d5	Ave	8962 1150782	17833 1689142	118210 2212777	260529	525336	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
2-Hexanone	CBNZ d5	Ave	+++++ 804845	14773 1105003	92697 1560121	191609	360081	+++++ 80.0	2.00 120	10.0 160	20.0	40.0
Dibromochloromethane	CBNZ d5	Ave	5802 719406	12319 1059270	73945 1403543	157565	324212	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
1,2-Dibromoethane	CBNZ d5	Ave	4254 643259	9680 946241	64671 1248523	143933	287346	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Chlorobenzene	CBNZ d5	Ave	21561 2158356	44323 3185422	252747 4081967	516913	1014472	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	5522 735555	11657 1095325	75635 1432776	160763	329931	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Ethylbenzene	CBNZ d5	Ave	12506 1220792	23957 1809445	143301 2342069	288952	587535	0.500 40.0	1.00 60.0	5.00 80.0	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.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 12:04 Calibration End Date: 04/23/2021 14:53 Calibration ID: 61157

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	16143	30608	180961	369677	732693	0.500	1.00	5.00	10.0	20.0
			1532809	2258639	2930155			40.0	60.0	80.0		
o-Xylene	CBNZ d5	Ave	14382	29743	171869	350387	687726	0.500	1.00	5.00	10.0	20.0
			1460001	2139178	2765818			40.0	60.0	80.0		
Styrene	CBNZ d5	Ave	21725	44392	254627	531972	1073705	0.500	1.00	5.00	10.0	20.0
			2256578	3340145	4345866			40.0	60.0	80.0		
Bromoform	CBNZ d5	Ave	3061	6885	44655	97882	201839	0.500	1.00	5.00	10.0	20.0
			461087	669631	918634			40.0	60.0	80.0		
Isopropylbenzene	CBNZ d5	Ave	36466	74680	452123	911890	1847145	0.500	1.00	5.00	10.0	20.0
			3860053	5761851	7467257			40.0	60.0	80.0		
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	6873	12576	79608	169732	347786	0.500	1.00	5.00	10.0	20.0
			754279	1089306	1503039			40.0	60.0	80.0		
Bromobenzene	DCBd 4	Ave	8351	16470	101111	204220	416341	0.500	1.00	5.00	10.0	20.0
			865867	1266885	1648117			40.0	60.0	80.0		
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	2378	4269	27408	58039	113297	0.500	1.00	5.00	10.0	20.0
			258094	363526	511776			40.0	60.0	80.0		
1,2,3-Trichloropropane	DCBd 4	Ave	2127	3883	25789	57381	111200	0.500	1.00	5.00	10.0	20.0
			253835	363185	508520			40.0	60.0	80.0		
n-Propylbenzene	DCBd 4	Ave	10517	22106	127087	259411	521484	0.500	1.00	5.00	10.0	20.0
			1111645	1640788	2145808			40.0	60.0	80.0		
2-Chlorotoluene	DCBd 4	Ave	8242	18162	105569	212531	422313	0.500	1.00	5.00	10.0	20.0
			900313	1323192	1711017			40.0	60.0	80.0		
1,3,5-Trimethylbenzene	DCBd 4	Ave	32066	64863	391874	781718	1563229	0.500	1.00	5.00	10.0	20.0
			3278175	4840060	6323559			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.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 12:04 Calibration End Date: 04/23/2021 14:53 Calibration ID: 61157

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	8561	18685	109456	221271	452436	0.500	1.00	5.00	10.0	20.0
			930696	1377915	1799292			40.0	60.0	80.0		
tert-Butylbenzene	DCBd 4	Ave	27991	56751	328982	668122	1352121	0.500	1.00	5.00	10.0	20.0
			2830331	4191600	5450673			40.0	60.0	80.0		
1,2,4-Trimethylbenzene	DCBd 4	Ave	32909	67267	385275	789125	1592750	0.500	1.00	5.00	10.0	20.0
			3296449	4889696	6387972			40.0	60.0	80.0		
sec-Butylbenzene	DCBd 4	Ave	41354	85407	491929	1000010	2026875	0.500	1.00	5.00	10.0	20.0
			4260996	6323030	8221252			40.0	60.0	80.0		
1,3-Dichlorobenzene	DCBd 4	Ave	16576	35807	203505	403771	813006	0.500	1.00	5.00	10.0	20.0
			1693004	2498404	3297670			40.0	60.0	80.0		
p-Isopropyltoluene	DCBd 4	Ave	33303	71910	424655	870228	1753476	0.500	1.00	5.00	10.0	20.0
			3660625	5385019	7046360			40.0	60.0	80.0		
1,4-Dichlorobenzene	DCBd 4	Ave	16998	35098	199899	410444	818933	0.500	1.00	5.00	10.0	20.0
			1709091	2512062	3305517			40.0	60.0	80.0		
n-Butylbenzene	DCBd 4	Ave	30357	63805	382172	781965	1569935	0.500	1.00	5.00	10.0	20.0
			3310304	4941850	6445729			40.0	60.0	80.0		
1,2-Dichlorobenzene	DCBd 4	Ave	15955	32551	185101	381974	757042	0.500	1.00	5.00	10.0	20.0
			1564238	2284333	3012586			40.0	60.0	80.0		
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	1162	3317	19343	42932	83908	0.500	1.00	5.00	10.0	20.0
			181905	256709	354967			40.0	60.0	80.0		
1,2,4-Trichlorobenzene	DCBd 4	Ave	8867	18493	105989	219931	444480	0.500	1.00	5.00	10.0	20.0
			937434	1364569	1783490			40.0	60.0	80.0		
Hexachlorobutadiene	DCBd 4	Ave	4016	8126	48606	100050	197666	0.500	1.00	5.00	10.0	20.0
			426502	617670	791330			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.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 12:04 Calibration End Date: 04/23/2021 14:53 Calibration ID: 61157

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	21739	44555	267630	577841	1129929	0.500	1.00	5.00	10.0	20.0
			2424480	3482116	4676906			40.0	60.0	80.0		
1,2,3-Trichlorobenzene	DCBd 4	Ave	7524	16145	87985	190066	373719	0.500	1.00	5.00	10.0	20.0
			794246	1146408	1504837			40.0	60.0	80.0		
Dibromofluoromethane (Surr)	FB	Ave	7223	15176	85262	173107	354490	0.500	1.00	5.00	10.0	20.0
			708226	1049744	1330684			40.0	60.0	80.0		
1,2-Dichloroethane-d4 (Surr)	FB	Ave	8371	16733	101326	206531	416738	0.500	1.00	5.00	10.0	20.0
			855419	1267996	1636474			40.0	60.0	80.0		
Toluene-d8 (Surr)	CBNZ d5	Ave	27159	54747	339137	689182	1412859	0.500	1.00	5.00	10.0	20.0
			2917585	4361732	5697155			40.0	60.0	80.0		
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	10982	23238	130869	257143	530933	0.500	1.00	5.00	10.0	20.0
			1087162	1612592	2137108			40.0	60.0	80.0		

Curve Type Legend

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 12:04 Calibration End Date: 04/23/2021 14:53 Calibration ID: 61157

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-482539/16	UXM36566.D
Level 2	STD8260 240-482539/15	UXM36565.D
Level 3	STD8260 240-482539/14	UXM36564.D
Level 4	STD8260 240-482539/13	UXM36563.D
Level 5	ICIS 240-482539/12	UXM36562.D
Level 6	STD8260 240-482539/11	UXM36561.D
Level 7	STD8260 240-482539/10	UXM36560.D
Level 8	STD8260 240-482539/9	UXM36559.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
Bromomethane	-22.8 +++++	+++++				+++++	50					
Acetone	+++++	-14.1						50				
Vinyl acetate	+++++	14.3						50				
n-Heptane	+++++	-3.4						50				

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 16:29 Calibration End Date: 04/23/2021 18:30 Calibration ID: 61161

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-482539/25	UXM36575.D
Level 2	STDA9 240-482539/24	UXM36574.D
Level 3	STDA9 240-482539/23	UXM36573.D
Level 4	STDA9 240-482539/22	UXM36572.D
Level 5	STDA9 240-482539/21	UXM36571.D
Level 6	STDA9 240-482539/20	UXM36570.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetonitrile	+++++ 0.0276	0.0361	0.0334	0.0307	0.0303	Ave		0.0316				10.3		20.0			
Diisopropyl ether	0.1607 0.1883	0.1694	0.1882	0.1812	0.2021	Ave		0.1817				8.1		20.0			
2-Chloro-1,3-butadiene	0.3806 0.3581	0.3705	0.4035	0.3748	0.4039	Ave		0.3819				4.8		20.0			
Ethyl-t-butyl ether (ETBE)	0.5383 0.6509	0.5850	0.6143	0.5919	0.6640	Ave		0.6074				7.6		20.0			
Ethyl acetate	0.1451 0.1762	0.2028	0.1564	0.1607	0.1723	Ave		0.1689				11.9		20.0			
Propionitrile	0.0371 0.0314	0.0390	0.0357	0.0332	0.0327	Ave		0.0348				8.3		20.0			
Methacrylonitrile	0.1123 0.1338	0.1252	0.1210	0.1210	0.1283	Ave		0.1236				6.0		20.0			
Isooctane	0.8327 0.7002	0.8640	0.8265	0.7346	0.7951	Ave		0.7922				7.9		20.0			
Tert-amyl-methyl ether (TAME)	0.5310 0.6311	0.5519	0.5742	0.5553	0.6217	Ave		0.5775				7.0		20.0			
n-Butanol	0.0042 0.0057	0.0052	0.0047	0.0049	0.0049	Ave		0.0049				10.2		20.0			
Ethyl acrylate	0.2699 0.2483	0.3015	0.2287	0.2237	0.2366	Ave		0.2515				11.7		20.0			
Methyl methacrylate	0.1888 0.1727	0.1918	0.1675	0.1562	0.1691	Ave		0.1743				7.8		20.0			
2-Nitropropane	+++++ 0.0660	0.1151	0.0689	0.0672	0.0673	Lin1	0.0967	0.0654				1.9			1.0000		0.9900
n-Butyl acetate	+++++ 0.2715	0.3223	0.2992	0.2791	0.2787	Ave		0.2902				7.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 16:29 Calibration End Date: 04/23/2021 18:30 Calibration ID: 61161

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1-Chlorohexane	0.5947 0.4880	0.5337	0.5296	0.4894	0.5463	Ave		0.5303				7.5		20.0			
Cyclohexanone	0.0413 0.0194	0.0294	0.0170	0.0161	0.0187	Lin1	0.0994	0.0184				13.5			0.9940		0.9900
Pentachloroethane	0.0786 0.1343	0.1234	0.1012	0.0916	0.1249	Ave		0.1090				20.0		20.0			
1,2,3-Trimethylbenzene	2.5693 2.5949	2.5413	2.5936	2.4854	2.8197	Ave		2.6007				4.4		20.0			
Benzyl chloride	0.2381 0.3052	0.2654	0.2665	0.2548	0.3051	Ave		0.2725				10.0		20.0			
1,3,5-Trichlorobenzene	0.8932 0.9256	0.9009	0.9177	0.8818	1.0141	Ave		0.9222				5.2		20.0			
2-Methylnaphthalene	0.6888 0.8186	0.7584	0.6909	0.7136	0.7883	Ave		0.7431				7.3		20.0			
1-Methylnaphthalene	0.5434 0.6964	0.6120	0.5695	0.5946	0.6642	Ave		0.6134				9.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 16:29 Calibration End Date: 04/23/2021 18:30 Calibration ID: 61161

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-482539/25	UXM36575.D
Level 2	STDA9 240-482539/24	UXM36574.D
Level 3	STDA9 240-482539/23	UXM36573.D
Level 4	STDA9 240-482539/22	UXM36572.D
Level 5	STDA9 240-482539/21	UXM36571.D
Level 6	STDA9 240-482539/20	UXM36570.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Acetonitrile	FB	Ave	+++++ 1748658	19635	198462	389761	846391	+++++ 800	10.0	100	200	400
Diisopropyl ether	FB	Ave	4327 1193266	9217	111673	230108	564269	0.500 80.0	1.00	10.0	20.0	40.0
2-Chloro-1,3-butadiene	FB	Ave	10249 2269137	20153	239490	475883	1127455	0.500 80.0	1.00	10.0	20.0	40.0
Ethyl-t-butyl ether (ETBE)	FB	Ave	14494 4124144	31824	364610	751515	1853657	0.500 80.0	1.00	10.0	20.0	40.0
Ethyl acetate	FB	Ave	7812 2233061	22067	185634	408040	962255	1.00 160	2.00	20.0	40.0	80.0
Propionitrile	FB	Ave	9991 1988475	21201	211780	420976	913557	5.00 800	10.0	100	200	400
Methacrylonitrile	FB	Ave	30231 8478148	68094	718408	1536452	3582708	5.00 800	10.0	100	200	400
Isooctane	FB	Ave	22423 4436290	46997	490497	932793	2219553	0.500 80.0	1.00	10.0	20.0	40.0
Tert-amyl-methyl ether (TAME)	FB	Ave	14298 3998423	30022	340780	705080	1735614	0.500 80.0	1.00	10.0	20.0	40.0
n-Butanol	FB	Ave	2824 903607	7027	69003	156294	345423	12.5 2000	25.0	250	500	1000
Ethyl acrylate	FB	Ave	7267 1573460	16400	135742	284039	660573	0.500 80.0	1.00	10.0	20.0	40.0
Methyl methacrylate	FB	Ave	10166 2188122	20870	198850	396564	944139	1.00 160	2.00	20.0	40.0	80.0
2-Nitropropane	FB	Lin1	+++++ 836046	12520	81820	170553	376025	+++++ 160	2.00	20.0	40.0	80.0
n-Butyl acetate	FB	Ave	+++++	17532	177583	354416	777950	+++++	1.00	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.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 16:29 Calibration End Date: 04/23/2021 18:30 Calibration ID: 61161

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
			1719938					80.0				
1-Chlorohexane	CBNZ d5	Ave	14045 2246709	25253	256700	489556	1138099	0.500 80.0	1.00	10.0	20.0	40.0
Cyclohexanone	DCBd 4	Lin1	5542 461518	7650	45586	87605	200642	5.00 800	10.0	100	200	400
Pentachloroethane	CBNZ d5	Ave	3712 1236757	11677	98105	183295	520223	1.00 160	2.00	20.0	40.0	80.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	34447 6157878	66139	693474	1350473	3032742	0.500 80.0	1.00	10.0	20.0	40.0
Benzyl chloride	DCBd 4	Ave	3192 724297	6907	71266	138435	328177	0.500 80.0	1.00	10.0	20.0	40.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	11975 2196600	23445	245368	479162	1090709	0.500 80.0	1.00	10.0	20.0	40.0
2-Methylnaphthalene	DCBd 4	Ave	18469 3885388	39475	369455	775436	1695769	1.00 160	2.00	20.0	40.0	80.0
1-Methylnaphthalene	DCBd 4	Ave	14571 3305354	31855	304533	646167	1428852	1.00 160	2.00	20.0	40.0	80.0

Curve Type Legend
Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 16:29 Calibration End Date: 04/23/2021 18:30 Calibration ID: 61161

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-482539/25	UXM36575.D
Level 2	STDA9 240-482539/24	UXM36574.D
Level 3	STDA9 240-482539/23	UXM36573.D
Level 4	STDA9 240-482539/22	UXM36572.D
Level 5	STDA9 240-482539/21	UXM36571.D
Level 6	STDA9 240-482539/20	UXM36570.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
2-Nitropropane	+++++	2.0						50				
Cyclohexanone	16.7						50					

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 494428

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 14:02 Calibration End Date: 07/10/2021 16:37 Calibration ID: 61910

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-494428/16	U1922962.d
Level 2	STD8260 240-494428/15	U1922961.d
Level 3	STD8260 240-494428/14	U1922960.d
Level 4	STD8260 240-494428/13	U1922959.d
Level 5	ICIS 240-494428/12	U1922958.d
Level 6	STD8260 240-494428/11	U1922957.d
Level 7	STD8260 240-494428/10	U1922956.d
Level 8	STD8260 240-494428/9	U1922955.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	0.2817 0.2839	0.2521 0.2824	0.2252 0.2778	0.2610	0.2945	Ave		0.2698			0.1000	8.4		20.0			
Chloromethane	+++++ 0.3812	0.5042 0.3712	0.4660 0.3592	0.3986	0.3802	Ave		0.4086			0.1000	13.4		20.0			
Vinyl chloride	0.4655 0.3728	0.3685 0.3670	0.3707 0.3580	0.3875	0.3795	Ave		0.3837			0.1000	8.9		20.0			
Butadiene	+++++ 0.3491	0.4921 0.3405	0.3450 0.3461	0.3578	0.3705	Ave		0.3716				14.6		20.0			
Bromomethane	+++++ 0.2514	0.3673 0.2459	0.3409 0.2398	0.3024	0.2707	Ave		0.2884			0.0500	17.4		20.0			
Chloroethane	+++++ 0.2042	0.2668 0.1985	0.2806 0.1934	0.2408	0.2194	Ave		0.2291			0.0500	15.1		20.0			
Dichlorofluoromethane	+++++ 0.5469	0.7892 0.5371	0.6958 0.5128	0.6310	0.5932	Ave		0.6152				16.1		20.0			
Trichlorofluoromethane	0.6685 0.5454	0.5790 0.5359	0.5165 0.5314	0.5631	0.5915	Ave		0.5664			0.1000	8.5		20.0			
Ethyl ether	0.2040 0.2367	0.2110 0.2375	0.2140 0.2525	0.2084	0.2216	Ave		0.2232				7.7		20.0			
Acrolein	+++++ 0.0044	0.0118 0.0041	0.0090 0.0039	0.0062	0.0044	Ave		0.0063				48.3	*	20.0			
1,1-Dichloroethene	0.3722 0.3816	0.3557 0.3754	0.4075 0.3738	0.3693	0.3854	Ave		0.3776			0.1000	4.0		20.0			
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.2485 0.2481	0.2204 0.2409	0.2448 0.2465	0.2221	0.2515	Ave		0.2403			0.0500	5.1		20.0			
Acetone	+++++ 0.1312	0.1531 0.1361	0.1272 0.1323	0.1309	0.1231	Ave		0.1334			0.0100	7.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 494428

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 14:02 Calibration End Date: 07/10/2021 16:37 Calibration ID: 61910

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	0.4606 0.4466	0.4685 0.4482	0.4733 0.4351	0.4501	0.4448	Ave		0.4534				2.9		20.0			
Carbon disulfide	0.9995 0.7699	0.8808 0.7608	0.8829 0.7419	0.7628	0.7722	Ave		0.8214			0.1000	11.0		20.0			
Methyl acetate	0.3321 0.3040	0.3058 0.3039	0.3005 0.3011	0.2999	0.2932	Ave		0.3051			0.1000	3.8		20.0			
3-Chloro-1-propene	0.4005 0.3996	0.4143 0.3945	0.4218 0.3956	0.3963	0.3960	Ave		0.4023				2.5		20.0			
Methylene Chloride	0.3602 0.3312	0.3644 0.3226	0.3568 0.3224	0.3301	0.3261	Ave		0.3392			0.1000	5.3		20.0			
tert-Butyl alcohol	+++++ 0.0546	0.0506 0.0625	0.0539 0.0585	0.0531	0.0508	Ave		0.0549				7.8		20.0			
Acrylonitrile	0.1575 0.1511	0.1641 0.1523	0.1556 0.1509	0.1489	0.1461	Ave		0.1533				3.7		20.0			
Methyl tert-butyl ether	0.7751 0.8152	0.8694 0.7995	0.7933 0.8084	0.7949	0.7969	Ave		0.8066			0.1000	3.5		20.0			
trans-1,2-Dichloroethene	0.4100 0.3838	0.3871 0.3800	0.4032 0.3839	0.3759	0.3794	Ave		0.3879			0.1000	3.1		20.0			
Hexane	0.3675 0.3619	0.3285 0.3444	0.3423 0.3615	0.3112	0.3557	Ave		0.3466				5.5		20.0			
Vinyl acetate	0.5797 0.6652	0.6337 0.6634	0.6199 0.6715	0.6379	0.6412	Ave		0.6391				4.7		20.0			
1,1-Dichloroethane	0.4624 0.4832	0.4779 0.4670	0.4865 0.4703	0.4708	0.4770	Ave		0.4744			0.2000	1.7		20.0			
2-Butanone	0.0433 0.0590	0.0578 0.0599	0.0593 0.0586	0.0571	0.0572	Ave		0.0565			0.0100	9.6		20.0			
cis-1,2-Dichloroethene	0.3378 0.3072	0.3328 0.2961	0.3216 0.2976	0.3084	0.3031	Ave		0.3131			0.1000	5.1		20.0			
2,2-Dichloropropane	0.3329 0.3140	0.3384 0.3107	0.3420 0.3060	0.3311	0.3194	Ave		0.3243				4.2		20.0			
Bromochloromethane	0.2603 0.2416	0.2737 0.2396	0.2557 0.2396	0.2446	0.2370	Ave		0.2490				5.2		20.0			
Tetrahydrofuran	+++++ 0.1455	0.1849 0.1426	0.1562 0.1422	0.1471	0.1390	Ave		0.1511				10.5		20.0			
Chloroform	0.4913 0.4988	0.5343 0.4832	0.5076 0.4880	0.5032	0.4944	Ave		0.5001			0.2000	3.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 494428

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 14:02 Calibration End Date: 07/10/2021 16:37 Calibration ID: 61910

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	0.4335 0.4683	0.4310 0.4464	0.4542 0.4542	0.4509	0.4609	Ave		0.4499			0.1000	2.8		20.0			
Cyclohexane	0.3507 0.3887	0.3354 0.3751	0.3696 0.3871	0.3432	0.3826	Ave		0.3665			0.1000	5.7		20.0			
1,1-Dichloropropene	0.3756 0.4004	0.3628 0.3895	0.4066 0.3938	0.3844	0.3937	Ave		0.3884				3.6		20.0			
Isobutyl alcohol	0.0186 0.0213	0.0167 0.0221	0.0207 0.0226	0.0207	0.0205	Ave		0.0204				9.3		20.0			
Carbon tetrachloride	0.3934 0.4324	0.3612 0.4208	0.4077 0.4318	0.4132	0.4239	Ave		0.4105			0.1000	5.8		20.0			
Benzene	0.9920 1.0690	1.0441 1.0365	1.0740 1.0391	1.0391	1.0484	Ave		1.0428			0.5000	2.4		20.0			
1,2-Dichloroethane	0.4379 0.3998	0.3986 0.3858	0.4164 0.3915	0.4025	0.3969	Ave		0.4037			0.1000	4.1		20.0			
n-Heptane	+++++ 0.1758	+++++ 0.1620	0.4518 0.1665	0.2100	0.1906	Lin1	0.7102	0.1546				6.9			0.9990		0.9900
Trichloroethene	0.3323 0.3288	0.3433 0.3217	0.3280 0.3210	0.3203	0.3194	Ave		0.3268			0.1500	2.5		20.0			
Methylcyclohexane	0.4070 0.4418	0.3984 0.4171	0.4302 0.4454	0.3922	0.4354	Ave		0.4209			0.1000	4.8		20.0			
1,2-Dichloropropane	0.2455 0.2625	0.2699 0.2518	0.2557 0.2581	0.2493	0.2549	Ave		0.2560			0.1000	3.0		20.0			
1,4-Dioxane	+++++ 0.0055	0.0034 0.0054	0.0034 0.0053	0.0051	0.0048	Ave		0.0047				19.6		20.0			
Dibromomethane	0.2411 0.2321	0.2531 0.2267	0.2365 0.2234	0.2286	0.2288	Ave		0.2338				4.1		20.0			
Bromodichloromethane	0.3679 0.3852	0.3821 0.3745	0.3652 0.3793	0.3717	0.3641	Ave		0.3738			0.1500	2.1		20.0			
2-Chloroethyl vinyl ether	0.1793 0.2074	0.1968 0.1976	0.1885 0.1983	0.1952	0.1875	Ave		0.1938				4.4		20.0			
cis-1,3-Dichloropropene	0.4541 0.4507	0.4427 0.4373	0.4331 0.4434	0.4279	0.4263	Ave		0.4394			0.1500	2.3		20.0			
4-Methyl-2-pentanone	0.4416 0.4338	0.4317 0.4133	0.4148 0.4160	0.4250	0.4119	Ave		0.4235			0.0500	2.6		20.0			
Toluene	1.3557 1.4198	1.4762 1.3804	1.4268 1.4020	1.3999	1.4184	Ave		1.4099			0.4000	2.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 494428

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 14:02 Calibration End Date: 07/10/2021 16:37 Calibration ID: 61910

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	0.5888 0.5321	0.5604 0.5246	0.5371 0.5364	0.5199	0.5225	Ave		0.5402			0.1000	4.3		20.0			
Ethyl methacrylate	0.4229 0.4925	0.4965 0.4819	0.4644 0.4968	0.4771	0.4834	Ave		0.4769				5.1		20.0			
1,1,2-Trichloroethane	0.2724 0.3061	0.3115 0.2944	0.3041 0.3032	0.3041	0.2991	Ave		0.2994			0.1000	4.0		20.0			
Tetrachloroethene	0.4404 0.4242	0.4167 0.4152	0.4201 0.4193	0.4055	0.4236	Ave		0.4206			0.1500	2.4		20.0			
1,3-Dichloropropane	0.5039 0.5211	0.5200 0.5048	0.5202 0.5169	0.5127	0.5061	Ave		0.5132				1.4		20.0			
2-Hexanone	0.4544 0.4041	0.4666 0.3912	0.4128 0.3872	0.4193	0.4024	Ave		0.4173			0.0500	6.9		20.0			
Dibromochloromethane	0.3508 0.3864	0.3787 0.3786	0.3614 0.3892	0.3678	0.3748	Ave		0.3735				3.4		20.0			
1,2-Dibromoethane	0.3720 0.3472	0.3643 0.3379	0.3439 0.3428	0.3517	0.3452	Ave		0.3506				3.3		20.0			
Chlorobenzene	0.9545 0.9298	0.9722 0.9017	0.9322 0.9202	0.9077	0.9218	Ave		0.9300			0.3000	2.5		20.0			
1,1,1,2-Tetrachloroethane	0.3667 0.3703	0.3664 0.3649	0.3547 0.3753	0.3544	0.3627	Ave		0.3644				2.0		20.0			
Ethylbenzene	0.4885 0.5178	0.5203 0.5013	0.4954 0.5148	0.4973	0.5062	Ave		0.5052				2.3		20.0			
m-Xylene & p-Xylene	0.6150 0.6285	0.6023 0.6096	0.6139 0.6218	0.6087	0.6157	Ave		0.6144				1.3		20.0			
o-Xylene	0.5676 0.6114	0.6080 0.6028	0.5871 0.6181	0.5975	0.6066	Ave		0.5999				2.7		20.0			
Styrene	0.9048 1.0039	0.9631 0.9982	0.9591 1.0249	0.9719	0.9725	Ave		0.9748			0.3000	3.7		20.0			
Bromoform	0.2840 0.3154	0.2873 0.3174	0.2928 0.3260	0.2915	0.3029	Ave		0.3022			0.1000	5.2		20.0			
Isopropylbenzene	1.5379 1.5679	1.4813 1.5367	1.4782 1.5818	1.5140	1.5882	Ave		1.5357			0.1000	2.8		20.0			
1,1,2,2-Tetrachloroethane	0.8900 0.8353	0.8617 0.8077	0.9036 0.7992	0.8854	0.8468	Ave		0.8537			0.3000	4.5		20.0			
trans-1,4-Dichloro-2-butene	0.3973 0.3008	0.4182 0.2865	0.3412 0.2835	0.3259	0.2969	Ave		0.3313				15.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 494428

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 14:02 Calibration End Date: 07/10/2021 16:37 Calibration ID: 61910

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								
Bromobenzene	0.8197 0.7538	0.8136 0.7257	0.7439 0.7215	0.7790	0.7423	Ave		0.7625				5.0		20.0			
1,2,3-Trichloropropane	0.3165 0.3057	0.3492 0.2918	0.3148 0.2897	0.3188	0.3043	Ave		0.3113				6.0		20.0			
n-Propylbenzene	0.7736 0.7843	0.7902 0.7564	0.7827 0.7468	0.7805	0.7815	Ave		0.7745				1.9		20.0			
2-Chlorotoluene	0.6506 0.6736	0.7124 0.6528	0.6606 0.6498	0.6923	0.6760	Ave		0.6710				3.3		20.0			
1,3,5-Trimethylbenzene	2.2730 2.2333	2.2838 2.1982	2.2129 2.1896	2.2789	2.2869	Ave		2.2446				1.8		20.0			
4-Chlorotoluene	0.8058 0.6950	0.7563 0.6724	0.7090 0.6745	0.7100	0.6896	Ave		0.7141				6.4		20.0			
tert-Butylbenzene	1.9275 1.9703	1.9913 1.9312	1.9322 1.9312	1.9510	1.9983	Ave		1.9541				1.5		20.0			
1,2,4-Trimethylbenzene	2.2751 2.2832	2.3371 2.2310	2.2780 2.2389	2.3167	2.3014	Ave		2.2827				1.6		20.0			
sec-Butylbenzene	2.8454 2.7296	2.6952 2.6527	2.6856 2.6851	2.7116	2.7975	Ave		2.7253				2.4		20.0			
1,3-Dichlorobenzene	1.5187 1.3661	1.5346 1.3301	1.4180 1.3518	1.4114	1.3754	Ave		1.4133			0.6000	5.4		20.0			
p-Isopropyltoluene	2.4705 2.4028	2.4337 2.3641	2.3991 2.4069	2.3759	2.4607	Ave		2.4142				1.6		20.0			
1,4-Dichlorobenzene	1.6275 1.3893	1.6042 1.3388	1.4275 1.3520	1.4456	1.3746	Ave		1.4449			0.5000	7.7		20.0			
n-Butylbenzene	2.2420 2.0298	2.1711 1.9662	2.0649 1.9584	2.0404	2.0974	Ave		2.0713				4.7		20.0			
1,2-Dichlorobenzene	1.4622 1.3068	1.4547 1.2677	1.3848 1.2637	1.3300	1.2990	Ave		1.3461			0.4000	5.9		20.0			
1,2-Dibromo-3-Chloropropane	0.2762 0.3015	0.2858 0.2953	0.2926 0.2954	0.2935	0.2985	Ave		0.2923			0.0500	2.7		20.0			
1,2,4-Trichlorobenzene	1.1391 0.8418	1.1161 0.8357	0.9454 0.8195	0.8821	0.8766	Ave		0.9320			0.2000	13.6		20.0			
Hexachlorobutadiene	0.4861 0.3472	0.4281 0.3379	0.4281 0.3226	0.3653	0.3710	Ave		0.3858				14.6		20.0			
Naphthalene	3.2342 2.8502	3.5301 2.7766	3.1594 2.6954	3.0297	2.9914	Ave		3.0334				9.0		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.: 240-152946-1 Analy Batch No.: 494428

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 14:02 Calibration End Date: 07/10/2021 16:37 Calibration ID: 61910

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	1.0437 0.7974	1.0071 0.8035	0.9101 0.7938	0.8498	0.8266	Ave		0.8790				11.2		20.0			
Dibromofluoromethane (Surr)	0.2827 0.2824	0.3005 0.2795	0.2900 0.2768	0.2735	0.2821	Ave		0.2834				3.0		20.0			
1,2-Dichloroethane-d4 (Surr)	+++++ 0.3243	0.3785 0.3210	0.3632 0.3193	0.3237	0.3236	Ave		0.3362				7.2		20.0			
Toluene-d8 (Surr)	1.2683 1.1876	1.2861 1.1723	1.2117 1.1754	1.1730	1.1984	Ave		1.2091				3.7		20.0			
4-Bromofluorobenzene (Surr)	+++++ 0.4316	0.5064 0.4259	0.4633 0.4323	0.4275	0.4334	Ave		0.4458				6.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 494428

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 14:02 Calibration End Date: 07/10/2021 16:37 Calibration ID: 61910

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-494428/16	U1922962.d
Level 2	STD8260 240-494428/15	U1922961.d
Level 3	STD8260 240-494428/14	U1922960.d
Level 4	STD8260 240-494428/13	U1922959.d
Level 5	ICIS 240-494428/12	U1922958.d
Level 6	STD8260 240-494428/11	U1922957.d
Level 7	STD8260 240-494428/10	U1922956.d
Level 8	STD8260 240-494428/9	U1922955.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	5750 532050	10544 807349	24153 1047409	115743	267630	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Chloromethane	FB	Ave	+++++ 714416	21087 1061104	49979 1353984	176777	345557	+++++ 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Vinyl chloride	FB	Ave	9501 698646	15410 1049221	39763 1349641	171859	344892	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Butadiene	FB	Ave	+++++ 654262	20582 973459	36999 1304814	158679	336785	+++++ 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Bromomethane	FB	Ave	+++++ 471159	15361 702965	36564 903962	134131	246065	+++++ 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Chloroethane	FB	Ave	+++++ 382695	11158 567304	30100 729239	106813	199379	+++++ 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Dichlorofluoromethane	FB	Ave	+++++ 1024872	33008 1535457	74632 1932970	279876	539148	+++++ 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Trichlorofluoromethane	FB	Ave	13644 1022123	24216 1531882	55396 2003452	249773	537625	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Ethyl ether	FB	Ave	4163 443537	8825 678859	22954 951749	92443	201423	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Acrolein	FB	Ave	+++++ 40864	2461 59184	4823 73463	13669	20199	+++++ 200	5.00 300	12.5 400	50.0	100
1,1-Dichloroethene	FB	Ave	7597 715079	14876 1073174	43701 1409329	163797	350276	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	FB	Ave	5072 464852	9217 688530	26256 929255	98515	228592	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Acetone	FB	Ave	+++++	12809	27275	116098	223765	+++++	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.: 240-152946-1 Analy Batch No.: 494428

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 14:02 Calibration End Date: 07/10/2021 16:37 Calibration ID: 61910

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
			491730	777975	997665			80.0	120	160		
Iodomethane	FB	Ave	9402 837001	19594 1281344	50766 1640111	199646	404238	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Carbon disulfide	FB	Ave	20401 1442843	36837 2174818	94698 2796907	338342	701839	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Methyl acetate	FB	Ave	13559 1139507	25583 1737562	64461 2270302	266056	533065	1.00 80.0	2.00 120	5.00 160	20.0	40.0
3-Chloro-1-propene	FB	Ave	8174 748933	17326 1127642	45241 1491330	175758	359924	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Methylene Chloride	FB	Ave	7352 620639	15240 922146	38270 1215336	146388	296434	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
tert-Butyl alcohol	FB	Ave	+++++ 1023856	21173 1785355	57847 2204945	235584	461533	+++++ 400	10.0 600	25.0 800	100	200
Acrylonitrile	FB	Ave	32142 2831639	68615 4354425	166896 5687741	660220	1327892	5.00 400	10.0 600	25.0 800	100	200
Methyl tert-butyl ether	FB	Ave	15821 1527692	36360 2285605	85088 3047678	352543	724266	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
trans-1,2-Dichloroethene	FB	Ave	8368 719335	16190 1086230	43243 1447373	166739	344796	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Hexane	FB	Ave	7501 678236	13738 984491	36716 1362956	138032	323326	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Vinyl acetate	FB	Ave	11833 1246600	26503 1896337	66486 2531422	282922	582754	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,1-Dichloroethane	FB	Ave	9438 905437	19989 1335072	52181 1772751	208796	433587	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
2-Butanone	FB	Ave	1767 220970	4838 342426	12730 441570	50659	103960	1.00 80.0	2.00 120	5.00 160	20.0	40.0
cis-1,2-Dichloroethene	FB	Ave	6894 575676	13918 846334	34489 1121873	136783	275451	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
2,2-Dichloropropane	FB	Ave	6794 588378	14152 888236	36681 1153379	146838	290345	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Bromochloromethane	FB	Ave	5314 452819	11448 685030	27420 903325	108484	215401	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Tetrahydrofuran	FB	Ave	+++++ 545173	15470 815348	33502 1072246	130453	252720	+++++ 80.0	2.00 120	5.00 160	20.0	40.0
Chloroform	FB	Ave	10028	22346	54439	223173	449341	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.: 240-152946-1 Analy Batch No.: 494428

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 14:02 Calibration End Date: 07/10/2021 16:37 Calibration ID: 61910

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
			934762	1381259	1839628			40.0	60.0	80.0		
1,1,1-Trichloroethane	FB	Ave	8848 877580	18024 1276174	48715 1712382	199996	418905	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Cyclohexane	FB	Ave	7158 728343	14028 1072252	39644 1459100	152214	347766	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,1-Dichloropropene	FB	Ave	7666 750322	15175 1113586	43613 1484375	170497	357821	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Isobutyl alcohol	FB	Ave	9495 998922	17494 1576451	55528 2130077	229227	464929	12.5 1000	25.0 1500	62.5 2000	250	500
Carbon tetrachloride	FB	Ave	8030 810280	15105 1202992	43726 1627938	183252	385278	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Benzene	FB	Ave	20249 2003230	43667 2963085	115189 3917149	460853	952903	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,2-Dichloroethane	FB	Ave	8938 749297	16671 1102747	44665 1475760	178516	360698	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
n-Heptane	FB	Lin1	+++++ 329417	+++++ 463217	48458 627661	93124	173275	+++++ 40.0	+++++ 60.0	2.50 80.0	10.0	20.0
Trichloroethene	FB	Ave	6782 616198	14359 919622	35179 1209926	142073	290279	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Methylcyclohexane	FB	Ave	8307 827997	16661 1192345	46144 1679100	173955	395716	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,2-Dichloropropane	FB	Ave	5010 491864	11288 719856	27420 973150	110587	231719	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,4-Dioxane	FB	Ave	+++++ 205334	2823 309931	7289 397399	44929	87849	+++++ 800	20.0 1200	50.0 1600	200	400
Dibromomethane	FB	Ave	4922 434983	10584 648028	25370 842017	101387	207940	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Bromodichloromethane	FB	Ave	7510 721776	15980 1070608	39169 1430067	164877	330939	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
2-Chloroethyl vinyl ether	FB	Ave	7319 777211	16462 1129957	40443 1495153	173149	340785	1.00 80.0	2.00 120	5.00 160	20.0	40.0
cis-1,3-Dichloropropene	FB	Ave	9268 844591	18514 1250146	46447 1671489	189799	387475	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
4-Methyl-2-pentanone	FB	Ave	18027 1625903	36112 2362866	88969 3136460	377036	748704	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.: 240-152946-1 Analy Batch No.: 494428

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 14:02 Calibration End Date: 07/10/2021 16:37 Calibration ID: 61910

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	21334	48630	118867	487933	993531	0.500	1.00	2.50	10.0	20.0
			2152899	3187300	4227308			40.0	60.0	80.0		
trans-1,3-Dichloropropene	CBNZ d5	Ave	9266	18461	44751	181190	365958	0.500	1.00	2.50	10.0	20.0
			806832	1211369	1617165			40.0	60.0	80.0		
Ethyl methacrylate	CBNZ d5	Ave	6655	16356	38687	166306	338599	0.500	1.00	2.50	10.0	20.0
			746867	1112771	1497991			40.0	60.0	80.0		
1,1,2-Trichloroethane	CBNZ d5	Ave	4287	10262	25339	105995	209486	0.500	1.00	2.50	10.0	20.0
			464127	679764	914203			40.0	60.0	80.0		
Tetrachloroethene	CBNZ d5	Ave	6931	13727	34999	141323	296702	0.500	1.00	2.50	10.0	20.0
			643199	958711	1264325			40.0	60.0	80.0		
1,3-Dichloropropane	CBNZ d5	Ave	7929	17129	43337	178685	354517	0.500	1.00	2.50	10.0	20.0
			790169	1165628	1558621			40.0	60.0	80.0		
2-Hexanone	CBNZ d5	Ave	14302	30746	68781	292281	563737	1.00	2.00	5.00	20.0	40.0
			1225521	1806488	2334847			80.0	120	160		
Dibromochloromethane	CBNZ d5	Ave	5521	12476	30106	128205	262505	0.500	1.00	2.50	10.0	20.0
			585998	874165	1173381			40.0	60.0	80.0		
1,2-Dibromoethane	CBNZ d5	Ave	5854	12002	28649	122569	241775	0.500	1.00	2.50	10.0	20.0
			526430	780237	1033720			40.0	60.0	80.0		
Chlorobenzene	CBNZ d5	Ave	15021	32027	77664	316355	645666	0.500	1.00	2.50	10.0	20.0
			1409871	2081943	2774456			40.0	60.0	80.0		
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	5770	12069	29554	123525	254071	0.500	1.00	2.50	10.0	20.0
			561579	842483	1131494			40.0	60.0	80.0		
Ethylbenzene	CBNZ d5	Ave	7687	17140	41274	173336	354567	0.500	1.00	2.50	10.0	20.0
			785169	1157399	1552177			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.: 240-152946-1 Analy Batch No.: 494428

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 14:02 Calibration End Date: 07/10/2021 16:37 Calibration ID: 61910

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	9677	19841	51150	212168	431244	0.500	1.00	2.50	10.0	20.0
			953003	1407633	1874916			40.0	60.0	80.0		
o-Xylene	CBNZ d5	Ave	8932	20031	48910	208266	424900	0.500	1.00	2.50	10.0	20.0
			927084	1391852	1863524			40.0	60.0	80.0		
Styrene	CBNZ d5	Ave	14238	31727	79907	338753	681228	0.500	1.00	2.50	10.0	20.0
			1522324	2304871	3090091			40.0	60.0	80.0		
Bromoform	CBNZ d5	Ave	4469	9463	24390	101586	212142	0.500	1.00	2.50	10.0	20.0
			478318	732968	982992			40.0	60.0	80.0		
Isopropylbenzene	CBNZ d5	Ave	24201	48800	123153	527697	1112459	0.500	1.00	2.50	10.0	20.0
			2377564	3548174	4769258			40.0	60.0	80.0		
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	7537	15507	41335	166611	331646	0.500	1.00	2.50	10.0	20.0
			719630	1075106	1439466			40.0	60.0	80.0		
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	3365	7526	15607	61330	116299	0.500	1.00	2.50	10.0	20.0
			259160	381422	510567			40.0	60.0	80.0		
Bromobenzene	DCBd 4	Ave	6942	14640	34030	146598	290746	0.500	1.00	2.50	10.0	20.0
			649460	965988	1299489			40.0	60.0	80.0		
1,2,3-Trichloropropane	DCBd 4	Ave	2680	6283	14399	59989	119195	0.500	1.00	2.50	10.0	20.0
			263359	388362	521720			40.0	60.0	80.0		
n-Propylbenzene	DCBd 4	Ave	6551	14219	35801	146878	306093	0.500	1.00	2.50	10.0	20.0
			675727	1006857	1345021			40.0	60.0	80.0		
2-Chlorotoluene	DCBd 4	Ave	5510	12820	30216	130277	264778	0.500	1.00	2.50	10.0	20.0
			580347	868930	1170258			40.0	60.0	80.0		
1,3,5-Trimethylbenzene	DCBd 4	Ave	19249	41098	101222	428851	895717	0.500	1.00	2.50	10.0	20.0
			1924130	2925984	3943655			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.: 240-152946-1 Analy Batch No.: 494428

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 14:02 Calibration End Date: 07/10/2021 16:37 Calibration ID: 61910

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	6824 598795	13610 894955	32432 1214734	133605	270083	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
tert-Butylbenzene	DCBd 4	Ave	16323 1697504	35833 2570625	88385 3478136	367143	782687	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	19267 1967103	42056 2969605	104203 4032360	435965	901400	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
sec-Butylbenzene	DCBd 4	Ave	24097 2351705	48500 3530936	122848 4835917	510276	1095700	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,3-Dichlorobenzene	DCBd 4	Ave	12861 1176983	27615 1770529	64863 2434613	265602	538721	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
p-Isopropyltoluene	DCBd 4	Ave	20922 2070160	43794 3146805	109740 4335022	447106	963769	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,4-Dichlorobenzene	DCBd 4	Ave	13783 1196934	28868 1782104	65297 2435012	272041	538378	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
n-Butylbenzene	DCBd 4	Ave	18987 1748809	39070 2617132	94452 3527230	383974	821490	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,2-Dichlorobenzene	DCBd 4	Ave	12383 1125869	26178 1687448	63344 2275913	250286	508773	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	2339 259765	5143 393013	13383 532022	55229	116917	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	9647 725298	20085 1112344	43246 1475899	165996	343343	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Hexachlorobutadiene	DCBd 4	Ave	4117 299118	7704 449749	19584 581090	68747	145310	0.500 40.0	1.00 60.0	2.50 80.0	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.: 240-152946-1 Analy Batch No.: 494428

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 14:02 Calibration End Date: 07/10/2021 16:37 Calibration ID: 61910

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	27389	63525	144518	570140	1171633	0.500	1.00	2.50	10.0	20.0
			2455593	3695825	4854547			40.0	60.0	80.0		
1,2,3-Trichlorobenzene	DCBd 4	Ave	8839	18122	41629	159925	323755	0.500	1.00	2.50	10.0	20.0
			687036	1069471	1429617			40.0	60.0	80.0		
Dibromofluoromethane (Surr)	FB	Ave	5771	12566	31099	121284	256433	0.500	1.00	2.50	10.0	20.0
			529204	799038	1043456			40.0	60.0	80.0		
1,2-Dichloroethane-d4 (Surr)	FB	Ave	+++++	15831	38957	143573	294083	+++++	1.00	2.50	10.0	20.0
			607693	917693	1203704			40.0	60.0	80.0		
Toluene-d8 (Surr)	CBNZ d5	Ave	19958	42368	100948	408840	839440	0.500	1.00	2.50	10.0	20.0
			1800885	2706865	3543994			40.0	60.0	80.0		
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	+++++	16682	38601	148987	303598	+++++	1.00	2.50	10.0	20.0
			654459	983330	1303342			40.0	60.0	80.0		

Curve Type Legend

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 494428

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 14:02 Calibration End Date: 07/10/2021 16:37 Calibration ID: 61910

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-494428/16	U1922962.d
Level 2	STD8260 240-494428/15	U1922961.d
Level 3	STD8260 240-494428/14	U1922960.d
Level 4	STD8260 240-494428/13	U1922959.d
Level 5	ICIS 240-494428/12	U1922958.d
Level 6	STD8260 240-494428/11	U1922957.d
Level 7	STD8260 240-494428/10	U1922956.d
Level 8	STD8260 240-494428/9	U1922955.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
n-Heptane	+++++	+++++	8.5						50			

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 494648

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/12/2021 19:46 Calibration End Date: 07/12/2021 21:37 Calibration ID: 61927

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-494648/16	U1922980.d
Level 2	STDA9 240-494648/15	U1922979.d
Level 3	STDA9 240-494648/14	U1922978.d
Level 4	STDA9 240-494648/13	U1922977.d
Level 5	STDA9 240-494648/12	U1922976.d
Level 6	STDA9 240-494648/11	U1922975.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetonitrile	+++++ 0.0528	0.0688	0.0470	0.0517	0.0537	Ave		0.0548				15.0		20.0			
Diisopropyl ether	0.1939 0.2136	0.2224	0.2172	0.2170	0.2232	Ave		0.2146				5.0		20.0			
2-Chloro-1,3-butadiene	0.4141 0.4207	0.3967	0.4169	0.4268	0.4325	Ave		0.4180				3.0		20.0			
Ethyl-t-butyl ether (ETBE)	0.7377 0.7420	0.7374	0.7541	0.7528	0.7670	Ave		0.7485				1.6		20.0			
Ethyl acetate	0.4062 0.3718	0.3697	0.3535	0.3691	0.3713	Ave		0.3736				4.7		20.0			
Propionitrile	0.0689 0.0664	0.0699	0.0624	0.0616	0.0647	Ave		0.0657				5.2		20.0			
Methacrylonitrile	0.2112 0.2383	0.2134	0.2202	0.2282	0.2375	Ave		0.2248				5.2		20.0			
Tert-amyl-methyl ether (TAME)	0.7671 0.8401	0.8054	0.8211	0.8155	0.8383	Ave		0.8146				3.3		20.0			
n-Butanol	0.0172 0.0180	0.0158	0.0162	0.0171	0.0177	Ave		0.0170				5.1		20.0			
Ethyl acrylate	0.4357 0.4493	0.4011	0.4118	0.4471	0.4376	Ave		0.4304				4.5		20.0			
Methyl methacrylate	0.3082 0.2926	0.2830	0.2667	0.2813	0.2837	Ave		0.2859				4.8		20.0			
2-Nitropropane	0.1433 0.1217	0.1419	0.1099	0.1164	0.1179	Ave		0.1252				11.2		20.0			
n-Butyl acetate	0.6692 0.6623	0.6784	0.6371	0.6613	0.6703	Ave		0.6631				2.1		20.0			
1-Chlorohexane	0.4928 0.4549	0.4179	0.4076	0.4401	0.4436	Ave		0.4428				6.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 494648

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/12/2021 19:46 Calibration End Date: 07/12/2021 21:37 Calibration ID: 61927

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Cyclohexanone	0.0252 0.0228	0.0261	0.0210	0.0212	0.0230	Ave		0.0232				8.9		20.0			
Pentachloroethane	0.3371 0.4309	0.3497	0.3866	0.3969	0.4376	Ave		0.3898				10.5		20.0			
1,2,3-Trimethylbenzene	2.2757 2.2841	2.4947	2.2013	2.2878	2.4137	Ave		2.3262				4.6		20.0			
Benzyl chloride	1.4835 1.8514	1.5303	1.5416	1.6913	1.8747	Ave		1.6621				10.3		20.0			
1,3,5-Trichlorobenzene	1.0794 0.9214	1.2012	0.9177	0.9130	0.9763	Ave		1.0015				11.6		20.0			
2-Methylnaphthalene	+++++ 1.5935	2.5986	1.6328	1.6307	1.7184	Lin1	1.8986	1.6094				4.5			0.9990		0.9900
1-Methylnaphthalene	+++++ 1.4475	2.3547	1.4972	1.5044	1.5779	Lin1	1.7365	1.4701				4.4			0.9980		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 494648

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/12/2021 19:46 Calibration End Date: 07/12/2021 21:37 Calibration ID: 61927

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-494648/16	U1922980.d
Level 2	STDA9 240-494648/15	U1922979.d
Level 3	STDA9 240-494648/14	U1922978.d
Level 4	STDA9 240-494648/13	U1922977.d
Level 5	STDA9 240-494648/12	U1922976.d
Level 6	STDA9 240-494648/11	U1922975.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Acetonitrile	FB	Ave	+++++ 1892260	27928	193073	452665	940493	+++++ 800	10.0	100	200	400
Diisopropyl ether	FB	Ave	3914 765294	9028	89204	189987	390977	0.500 80.0	1.00	10.0	20.0	40.0
2-Chloro-1,3-butadiene	FB	Ave	8357 1507334	16101	171222	373757	757691	0.500 80.0	1.00	10.0	20.0	40.0
Ethyl-t-butyl ether (ETBE)	FB	Ave	14889 2658776	29929	309700	659257	1343618	0.500 80.0	1.00	10.0	20.0	40.0
Ethyl acetate	FB	Ave	16398 2664348	30007	290333	646445	1300818	1.00 160	2.00	20.0	40.0	80.0
Propionitrile	FB	Ave	13914 2380242	28380	256258	539656	1132894	5.00 800	10.0	100	200	400
Methacrylonitrile	FB	Ave	42619 8538613	86627	904309	1998440	4160224	5.00 800	10.0	100	200	400
Tert-amyl-methyl ether (TAME)	FB	Ave	15483 3010174	32687	337193	714172	1468509	0.500 80.0	1.00	10.0	20.0	40.0
n-Butanol	FB	Ave	8667 1615245	15989	166800	374151	774826	12.5 2000	25.0	250	500	1000
Ethyl acrylate	FB	Ave	8793 1609700	16281	169135	391546	766580	0.500 80.0	1.00	10.0	20.0	40.0
Methyl methacrylate	FB	Ave	12439 2096959	22970	219082	492679	993833	1.00 160	2.00	20.0	40.0	80.0
2-Nitropropane	FB	Ave	5785 872268	11519	90279	203868	413028	1.00 160	2.00	20.0	40.0	80.0
n-Butyl acetate	CBNZ d5	Ave	10647 1862894	21225	203762	460431	909867	0.500 80.0	1.00	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.: 240-152946-1 Analy Batch No.: 494648

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/12/2021 19:46 Calibration End Date: 07/12/2021 21:37 Calibration ID: 61927

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1-Chlorohexane	CBNZ d5	Ave	7841 1279476	13075	130376	306384	602246	0.500 80.0	1.00	10.0	20.0	40.0
Cyclohexanone	CBNZ d5	Ave	4006 641688	8158	67284	147369	311860	5.00 800	10.0	100	200	400
Pentachloroethane	DCBd 4	Ave	5772 1339599	11728	134050	295278	632515	1.00 160	2.00	20.0	40.0	80.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	19481 3550365	41839	381604	850930	1744372	0.500 80.0	1.00	10.0	20.0	40.0
Benzyl chloride	DCBd 4	Ave	12700 2877800	25665	267242	629061	1354824	0.500 80.0	1.00	10.0	20.0	40.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	9240 1432164	20146	159093	339585	705564	0.500 80.0	1.00	10.0	20.0	40.0
2-Methylnaphthalene	DCBd 4	Lin1	+++++ 4953882	87162	566126	1213026	2483816	+++++ 160	2.00	20.0	40.0	80.0
1-Methylnaphthalene	DCBd 4	Lin1	+++++ 4499985	78981	519111	1119084	2280713	+++++ 160	2.00	20.0	40.0	80.0

Curve Type Legend
Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 494648

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/12/2021 19:46 Calibration End Date: 07/12/2021 21:37 Calibration ID: 61927

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-494648/16	U1922980.d
Level 2	STDA9 240-494648/15	U1922979.d
Level 3	STDA9 240-494648/14	U1922978.d
Level 4	STDA9 240-494648/13	U1922977.d
Level 5	STDA9 240-494648/12	U1922976.d
Level 6	STDA9 240-494648/11	U1922975.d

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
2-Methylnaphthalene	+++++	2.5						50				
1-Methylnaphthalene	+++++	1.1						50				

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 14:43 Calibration End Date: 06/16/2021 17:01 Calibration ID: 61772

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-490967/8	UX996077.D
Level 2	STD8260 240-490967/9	UX996078.D
Level 3	STD8260 240-490967/10	UX996079.D
Level 4	ICIS 240-490967/11	UX996080.D
Level 5	STD8260 240-490967/12	UX996081.D
Level 6	STD8260 240-490967/13	UX996082.D
Level 7	STD8260 240-490967/14	UX996083.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 0.4235	0.3390 0.4253	0.4211	0.4262	0.4305	Ave		0.4109			0.1000	8.6		20.0			
Chloromethane	0.3293 0.4258	0.3853 0.4197	0.4001	0.4117	0.4259	Ave		0.3997			0.1000	8.6		20.0			
Vinyl chloride	0.3186 0.4354	0.3640 0.4299	0.4090	0.4195	0.4392	Ave		0.4022			0.1000	11.1		20.0			
Butadiene	0.2891 0.4022	0.3226 0.3989	0.3682	0.3863	0.4032	Ave		0.3672				12.2		20.0			
Bromomethane	0.2596 0.3549	0.2999 0.3882	0.3015	0.3095	0.3360	Ave		0.3214			0.0500	13.1		20.0			
Chloroethane	+++++ 0.3118	0.2500 0.3314	0.2754	0.2914	0.3059	Ave		0.2943			0.0500	9.8		20.0			
Dichlorofluoromethane	0.5252 0.6533	0.5715 0.6587	0.6059	0.6299	0.6561	Ave		0.6144				8.2		20.0			
Trichlorofluoromethane	0.4392 0.6350	0.5368 0.6444	0.5802	0.6191	0.6338	Ave		0.5841			0.1000	12.7		20.0			
Ethyl ether	0.2218 0.2988	0.2550 0.3059	0.2823	0.2868	0.3026	Ave		0.2790				10.9		20.0			
Acrolein	+++++ 0.0165	0.0162 0.0170	0.0147	0.0153	0.0163	Ave		0.0160				5.4		20.0			
1,1-Dichloroethene	0.3532 0.5356	0.4089 0.5441	0.4955	0.5252	0.5375	Ave		0.4857			0.1000	15.4		20.0			
1,1,2-Trichloro-1,2,2-trichfluoroethane	+++++ 0.3784	0.2932 0.3810	0.3624	0.3753	0.3831	Ave		0.3622			0.0500	9.6		20.0			
Acetone	0.0610 0.0486	0.0564 0.0494	0.0456	0.0483	0.0500	Ave		0.0513			0.0100	10.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 14:43 Calibration End Date: 06/16/2021 17:01 Calibration ID: 61772

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								
Iodomethane	+++++ 0.4213	0.2966 0.4160	0.3403	0.3834	0.4101	Ave		0.3780				13.2		20.0			
Carbon disulfide	0.8250 1.0275	0.8863 1.0326	0.9433	0.9898	1.0328	Ave		0.9625			0.1000	8.5		20.0			
3-Chloro-1-propene	0.5479 0.5252	0.5461 0.5285	0.5259	0.5104	0.5342	Ave		0.5312				2.4		20.0			
Methyl acetate	0.3428 0.3471	0.3481 0.3498	0.3206	0.3313	0.3517	Ave		0.3416			0.1000	3.4		20.0			
Methylene Chloride	0.4556 0.4421	0.4490 0.4511	0.4186	0.4374	0.4491	Ave		0.4433			0.1000	2.8		20.0			
tert-Butyl alcohol	0.0554 0.0659	0.0613 0.0646	0.0604	0.0633	0.0671	Ave		0.0626				6.3		20.0			
Acrylonitrile	0.1516 0.1912	0.1679 0.1929	0.1763	0.1842	0.1943	Ave		0.1798				8.8		20.0			
Methyl tert-butyl ether	0.9723 1.2460	1.0737 1.2661	1.1606	1.2108	1.2701	Ave		1.1714			0.1000	9.6		20.0			
trans-1,2-Dichloroethene	0.3314 0.5014	0.3960 0.5109	0.4647	0.4811	0.4997	Ave		0.4550			0.1000	14.7		20.0			
Hexane	0.3618 0.5115	0.4152 0.5200	0.5021	0.5078	0.5130	Ave		0.4759				13.0		20.0			
1,1-Dichloroethane	0.5215 0.6624	0.5859 0.6707	0.6295	0.6470	0.6757	Ave		0.6275			0.2000	8.9		20.0			
Vinyl acetate	0.7270 0.8630	0.7943 0.8754	0.8040	0.8218	0.8659	Ave		0.8216				6.4		20.0			
2-Butanone	+++++ 0.0699	0.0592 0.0707	0.0626	0.0665	0.0697	Ave		0.0664			0.0100	7.0		20.0			
cis-1,2-Dichloroethene	0.2665 0.4326	0.3466 0.4336	0.4015	0.4139	0.4373	Ave		0.3903			0.1000	16.1		20.0			
2,2-Dichloropropane	0.5264 0.6617	0.5832 0.6592	0.6333	0.6528	0.6719	Ave		0.6269				8.5		20.0			
Bromochloromethane	0.2347 0.2791	0.2436 0.2789	0.2589	0.2693	0.2812	Ave		0.2637				7.0		20.0			
Tetrahydrofuran	0.1528 0.1582	0.1518 0.1589	0.1437	0.1508	0.1593	Ave		0.1536				3.7		20.0			
Chloroform	0.4943 0.6733	0.5820 0.6812	0.6400	0.6634	0.6836	Ave		0.6311			0.2000	11.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 14:43 Calibration End Date: 06/16/2021 17:01 Calibration ID: 61772

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1,1-Trichloroethane	0.5153 0.6513	0.5345 0.6595	0.6146	0.6443	0.6637	Ave		0.6119			0.1000	10.1		20.0			
Cyclohexane	0.4797 0.6439	0.5296 0.6544	0.6251	0.6504	0.6547	Ave		0.6054			0.1000	11.7		20.0			
1,1-Dichloropropene	0.3763 0.5342	0.4404 0.5393	0.5076	0.5251	0.5433	Ave		0.4952				12.8		20.0			
Carbon tetrachloride	0.3971 0.5759	0.4765 0.5775	0.5379	0.5632	0.5793	Ave		0.5296			0.1000	13.0		20.0			
Isobutyl alcohol	0.0173 0.0176	0.0178 0.0172	0.0164	0.0174	0.0183	Ave		0.0174				3.2		20.0			
1,2-Dichloroethane	0.4169 0.5123	0.4205 0.5142	0.4801	0.5022	0.5198	Ave		0.4809			0.1000	9.2		20.0			
Benzene	1.1929 1.4645	1.3387 1.4582	1.4257	1.4522	1.4923	Ave		1.4035			0.5000	7.5		20.0			
n-Heptane	+++++ 0.3181	0.3975 0.3210	0.3158	0.3176	0.3191	Ave		0.3315				9.8		20.0			
Trichloroethene	0.3041 0.4126	0.3592 0.4162	0.4010	0.4050	0.4227	Ave		0.3887			0.1500	11.0		20.0			
Methylcyclohexane	0.5030 0.6788	0.5477 0.6891	0.6661	0.6798	0.6923	Ave		0.6367			0.1000	12.2		20.0			
1,2-Dichloropropane	0.2426 0.3600	0.2894 0.3681	0.3426	0.3561	0.3690	Ave		0.3326			0.1000	14.5		20.0			
Dibromomethane	0.1790 0.2487	0.2153 0.2502	0.2317	0.2463	0.2549	Ave		0.2323				11.7		20.0			
1,4-Dioxane	+++++ 0.0063	0.0049 0.0061	0.0062	0.0064	0.0065	Ave		0.0061				9.9		20.0			
Bromodichloromethane	0.4174 0.5137	0.4423 0.5178	0.4905	0.5028	0.5180	Ave		0.4861			0.1500	8.3		20.0			
2-Chloroethyl vinyl ether	0.1987 0.2258	0.2247 0.2252	0.2246	0.2250	0.2300	Ave		0.2220				4.7		20.0			
cis-1,3-Dichloropropene	0.4203 0.5332	0.4878 0.5251	0.5259	0.5346	0.5419	Ave		0.5098			0.1500	8.5		20.0			
4-Methyl-2-pentanone	0.3986 0.4792	0.4259 0.4775	0.4457	0.4653	0.4899	Ave		0.4546			0.0500	7.3		20.0			
Toluene	1.6650 2.1381	1.8570 2.1859	2.0367	2.0969	2.1954	Ave		2.0250			0.4000	9.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 14:43 Calibration End Date: 06/16/2021 17:01 Calibration ID: 61772

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								
trans-1,3-Dichloropropene	0.5352 0.6369	0.5554 0.6452	0.6179	0.6379	0.6559	Ave		0.6121			0.1000	7.7		20.0			
Ethyl methacrylate	0.5660 0.7433	0.6106 0.7547	0.6640	0.7051	0.7482	Ave		0.6846				10.8		20.0			
1,1,2-Trichloroethane	0.3625 0.4636	0.4223 0.4748	0.4288	0.4445	0.4677	Ave		0.4377			0.1000	8.8		20.0			
1,3-Dichloropropane	0.6195 0.7822	0.6925 0.7945	0.7347	0.7597	0.7947	Ave		0.7397				8.7		20.0			
Tetrachloroethene	0.4479 0.5852	0.4874 0.5926	0.5441	0.5638	0.5933	Ave		0.5449			0.1500	10.4		20.0			
2-Hexanone	0.3975 0.4488	0.4136 0.4563	0.4078	0.4317	0.4639	Ave		0.4314			0.0500	6.0		20.0			
Dibromochloromethane	0.3831 0.5192	0.4452 0.5382	0.4804	0.5008	0.5316	Ave		0.4855				11.4		20.0			
1,2-Dibromoethane	0.3906 0.4415	0.4081 0.4426	0.4383	0.4457	0.4557	Ave		0.4318				5.4		20.0			
Chlorobenzene	1.2013 1.3618	1.2784 1.3653	1.3022	1.3283	1.3985	Ave		1.3194			0.3000	5.0		20.0			
1,1,1,2-Tetrachloroethane	0.4402 0.5482	0.4596 0.5606	0.4949	0.5238	0.5514	Ave		0.5112				9.3		20.0			
Ethylbenzene	0.6464 0.8303	0.6981 0.8498	0.7680	0.7986	0.8479	Ave		0.7770				10.1		20.0			
m-Xylene & p-Xylene	0.7681 1.0367	0.8809 1.0680	0.9454	1.0012	1.0563	Ave		0.9652				11.3		20.0			
o-Xylene	0.7019 1.0147	0.8678 1.0424	0.9388	0.9655	1.0310	Ave		0.9374				12.8		20.0			
Styrene	1.0869 1.4909	1.2435 1.5370	1.3717	1.4396	1.5171	Ave		1.3838			0.3000	11.9		20.0			
Bromoform	+++++ 0.3930	0.2709 0.4035	0.3505	0.3720	0.3978	Ave		0.3646			0.1000	13.7		20.0			
Isopropylbenzene	1.9468 2.6219	2.2223 2.6623	2.4375	2.5148	2.6669	Ave		2.4389			0.1000	11.0		20.0			
1,1,2,2-Tetrachloroethane	0.9823 1.2634	1.1094 1.2376	1.1391	1.2030	1.2872	Ave		1.1746			0.3000	9.1		20.0			
Bromobenzene	0.8833 1.1115	1.0320 1.0937	1.0226	1.0811	1.1239	Ave		1.0497				7.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 14:43 Calibration End Date: 06/16/2021 17:01 Calibration ID: 61772

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								
trans-1,4-Dichloro-2-butene	0.2883 0.3873	0.3394 0.3770	0.3647	0.3768	0.3997	Ave		0.3619				10.4		20.0			
1,2,3-Trichloropropane	0.4590 0.4883	0.4084 0.4837	0.4585	0.4733	0.4959	Ave		0.4667				6.3		20.0			
n-Propylbenzene	0.9334 1.3608	1.1263 1.3423	1.2378	1.3149	1.3718	Ave		1.2411				12.9		20.0			
2-Chlorotoluene	0.8422 1.1208	0.9271 1.1124	1.0372	1.0858	1.1429	Ave		1.0384				10.9		20.0			
1,3,5-Trimethylbenzene	2.8840 3.9173	3.3485 3.8757	3.5241	3.7993	3.9746	Ave		3.6176				10.9		20.0			
4-Chlorotoluene	0.8797 1.1457	1.0036 1.1392	1.0442	1.1102	1.1797	Ave		1.0717				9.7		20.0			
tert-Butylbenzene	2.5794 3.6599	3.1602 3.8764	3.5821	3.7975	3.7288	Ave		3.4835				13.2		20.0			
1,2,4-Trimethylbenzene	2.9079 3.9116	3.2567 3.8581	3.5734	3.7687	3.9949	Ave		3.6102				11.0		20.0			
sec-Butylbenzene	0.7784 1.0847	0.8909 1.0728	0.9903	1.0552	1.0981	Ave		0.9958				12.0		20.0			
1,3-Dichlorobenzene	1.6781 2.1712	1.9409 2.1525	1.9690	2.1041	2.2046	Ave		2.0315			0.6000	9.1		20.0			
p-Isopropyltoluene	2.9662 4.2520	3.5128 4.1934	3.8879	4.1036	4.3247	Ave		3.8915				12.6		20.0			
1,4-Dichlorobenzene	1.7811 2.1796	1.9659 2.1466	1.9705	2.1194	2.2256	Ave		2.0555			0.5000	7.6		20.0			
n-Butylbenzene	2.4389 3.4419	2.7239 3.4023	3.1498	3.3692	3.4990	Ave		3.1464				13.0		20.0			
1,2-Dichlorobenzene	1.5523 2.0788	1.8004 2.0707	1.9171	2.0148	2.1271	Ave		1.9373			0.4000	10.5		20.0			
1,2-Dibromo-3-Chloropropane	0.2867 0.3619	0.2973 0.3668	0.3157	0.3417	0.3733	Ave		0.3348			0.0500	10.5		20.0			
1,2,4-Trichlorobenzene	0.8666 1.2916	1.0780 1.2813	1.1355	1.2550	1.3054	Ave		1.1733			0.2000	13.7		20.0			
Hexachlorobutadiene	0.3563 0.4991	0.3725 0.5073	0.4363	0.4834	0.5169	Ave		0.4531				14.6		20.0			
Naphthalene	3.0299 4.3027	3.4997 4.2250	3.8153	4.1198	4.3797	Ave		3.9103				12.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 14:43 Calibration End Date: 06/16/2021 17:01 Calibration ID: 61772

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,3-Trichlorobenzene	0.8210 1.2093	0.9610 1.1933	1.0866	1.1655	1.2431	Ave		1.0971				14.1		20.0			
Dibromofluoromethane (Surr)	0.3049 0.3469	0.2941 0.3492	0.3306	0.3403	0.3593	Ave		0.3322				7.3		20.0			
1,2-Dichloroethane-d4 (Surr)	0.3235 0.3930	0.3516 0.3921	0.3915	0.3960	0.4052	Ave		0.3790				7.9		20.0			
Toluene-d8 (Surr)	1.5655 1.7673	1.6961 1.7779	1.7117	1.7638	1.8387	Ave		1.7316				5.0		20.0			
4-Bromofluorobenzene (Surr)	0.6196 0.6777	0.5973 0.6849	0.6317	0.6679	0.6938	Ave		0.6533				5.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 14:43 Calibration End Date: 06/16/2021 17:01 Calibration ID: 61772

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-490967/8	UX996077.D
Level 2	STD8260 240-490967/9	UX996078.D
Level 3	STD8260 240-490967/10	UX996079.D
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Level 5	STD8260 240-490967/12	UX996081.D
Level 6	STD8260 240-490967/13	UX996082.D
Level 7	STD8260 240-490967/14	UX996083.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	+++++ 682472	14018 1018665	173889	344523	522586	+++++ 40.0	1.00 60.0	10.0	20.0	30.0
Chloromethane	FB	Ave	7436 686094	15932 1005026	165221	332833	516971	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Vinyl chloride	FB	Ave	7194 701593	15053 1029460	168890	339169	533152	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Butadiene	FB	Ave	6528 648177	13339 955399	152043	312336	489433	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Bromomethane	FB	Ave	5862 571885	12402 929739	124486	250248	407890	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Chloroethane	FB	Ave	+++++ 502381	10338 793778	113719	235609	371328	+++++ 40.0	1.00 60.0	10.0	20.0	30.0
Dichlorofluoromethane	FB	Ave	11859 1052702	23630 1577614	250194	509249	796338	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Trichlorofluoromethane	FB	Ave	9917 1023201	22197 1543376	239575	500518	769362	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Ethyl ether	FB	Ave	5008 481554	10546 732536	116569	231868	367294	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Acrolein	FB	Ave	+++++ 133218	3355 203137	30248	61705	98682	+++++ 200	5.00 300	50.0	100	150
1,1-Dichloroethene	FB	Ave	7975 863025	16907 1303010	204619	424631	652439	0.500 40.0	1.00 60.0	10.0	20.0	30.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	FB	Ave	+++++ 609778	12123 912347	149628	303428	465021	+++++ 40.0	1.00 60.0	10.0	20.0	30.0
Acetone	FB	Ave	2755 156658	4668 236418	37618	78069	121442	1.00 80.0	2.00 120	20.0	40.0	60.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 14:43 Calibration End Date: 06/16/2021 17:01 Calibration ID: 61772

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
Iodomethane	FB	Ave	+++++ 678923	12265 996280	140537	309938	497763	+++++ 40.0	1.00 60.0	10.0	20.0	30.0
Carbon disulfide	FB	Ave	18628 1655727	36650 2472959	389500	800178	1253675	0.500 40.0	1.00 60.0	10.0	20.0	30.0
3-Chloro-1-propene	FB	Ave	12370 846299	22582 1265583	217161	412641	648445	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Methyl acetate	FB	Ave	15481 1118527	28790 1675459	264760	535724	853818	1.00 80.0	2.00 120	20.0	40.0	60.0
Methylene Chloride	FB	Ave	10286 712346	18567 1080419	172872	353617	545180	0.500 40.0	1.00 60.0	10.0	20.0	30.0
tert-Butyl alcohol	FB	Ave	12513 1061600	25341 1546556	249228	511803	813982	5.00 400	10.0 600	100	200	300
Acrylonitrile	FB	Ave	34220 3080739	69408 4620512	727987	1489482	2358582	5.00 400	10.0 600	100	200	300
Methyl tert-butyl ether	FB	Ave	21953 2007784	44397 3032098	479236	978856	1541682	0.500 40.0	1.00 60.0	10.0	20.0	30.0
trans-1,2-Dichloroethene	FB	Ave	7482 808021	16375 1223595	191879	388969	606514	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Hexane	FB	Ave	8169 824179	17168 1245438	207347	410543	622659	0.500 40.0	1.00 60.0	10.0	20.0	30.0
1,1-Dichloroethane	FB	Ave	11775 1067418	24227 1606244	259944	523097	820175	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Vinyl acetate	FB	Ave	16414 1390617	32846 2096399	331979	664360	1051032	0.500 40.0	1.00 60.0	10.0	20.0	30.0
2-Butanone	FB	Ave	+++++ 225330	4895 338578	51736	107478	169098	+++++ 80.0	2.00 120	20.0	40.0	60.0
cis-1,2-Dichloroethene	FB	Ave	6016 697140	14331 1038334	165783	334614	530804	0.500 40.0	1.00 60.0	10.0	20.0	30.0
2,2-Dichloropropane	FB	Ave	11884 1066284	24115 1578818	261506	527762	815610	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Bromochloromethane	FB	Ave	5300 449714	10073 667924	106900	217730	341264	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Tetrahydrofuran	FB	Ave	6901 509869	12551 761035	118663	243892	386689	1.00 80.0	2.00 120	20.0	40.0	60.0
Chloroform	FB	Ave	11160 1084919	24065 1631356	264285	536336	829706	0.500 40.0	1.00 60.0	10.0	20.0	30.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 14:43 Calibration End Date: 06/16/2021 17:01 Calibration ID: 61772

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,1,1-Trichloroethane	FB	Ave	11635 1049525	22102 1579482	253793	520858	805596	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Cyclohexane	FB	Ave	10830 1037506	21901 1567117	258101	525822	794621	0.500 40.0	1.00 60.0	10.0	20.0	30.0
1,1-Dichloropropene	FB	Ave	8497 860811	18212 1291462	209610	424483	659454	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Carbon tetrachloride	FB	Ave	8965 927939	19705 1383029	222095	455328	703130	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Isobutyl alcohol	FB	Ave	9784 710380	18356 1032379	169650	352018	554771	12.5 1000	25.0 1500	250	500	750
1,2-Dichloroethane	FB	Ave	9412 825579	17389 1231571	198260	406020	630945	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Benzene	FB	Ave	26934 2359886	55357 3492254	588730	1174016	1811305	0.500 40.0	1.00 60.0	10.0	20.0	30.0
n-Heptane	FB	Ave	+++++ 512601	16437 768673	130396	256739	387339	+++++ 40.0	1.00 60.0	10.0	20.0	30.0
Trichloroethene	FB	Ave	6866 664885	14855 996731	165581	327398	513069	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Methylcyclohexane	FB	Ave	11356 1093803	22648 1650367	275032	549544	840363	0.500 40.0	1.00 60.0	10.0	20.0	30.0
1,2-Dichloropropane	FB	Ave	5478 580177	11968 881633	141458	287851	447894	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Dibromomethane	FB	Ave	4041 400755	8903 599128	95661	199130	309420	0.500 40.0	1.00 60.0	10.0	20.0	30.0
1,4-Dioxane	FB	Ave	+++++ 203294	4044 290952	50993	103916	158914	+++++ 800	20.0 1200	200	400	600
Bromodichloromethane	FB	Ave	9425 827754	18290 1240044	202550	406469	628745	0.500 40.0	1.00 60.0	10.0	20.0	30.0
2-Chloroethyl vinyl ether	FB	Ave	8972 727785	18583 1078570	185494	363818	558430	1.00 80.0	2.00 120	20.0	40.0	60.0
cis-1,3-Dichloropropene	FB	Ave	9490 859156	20173 1257561	217161	432162	657727	0.500 40.0	1.00 60.0	10.0	20.0	30.0
4-Methyl-2-pentanone	FB	Ave	17998 1544443	35221 2287223	368058	752354	1189367	1.00 80.0	2.00 120	20.0	40.0	60.0
Toluene	CBNZ d5	Ave	28896	58877	655916	1314635	2035848	0.500	1.00	10.0	20.0	30.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 14:43 Calibration End Date: 06/16/2021 17:01 Calibration ID: 61772

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
			2644079	3969286				40.0	60.0			
trans-1,3-Dichloropropene	CBNZ d5	Ave	9288	17608	199007	399952	608251	0.500	1.00	10.0	20.0	30.0
			787667	1171662				40.0	60.0			
Ethyl methacrylate	CBNZ d5	Ave	9823	19361	213847	442057	693776	0.500	1.00	10.0	20.0	30.0
			919210	1370456				40.0	60.0			
1,1,2-Trichloroethane	CBNZ d5	Ave	6292	13389	138088	278661	433721	0.500	1.00	10.0	20.0	30.0
			573255	862088				40.0	60.0			
1,3-Dichloropropane	CBNZ d5	Ave	10751	21957	236601	476258	736930	0.500	1.00	10.0	20.0	30.0
			967254	1442629				40.0	60.0			
Tetrachloroethene	CBNZ d5	Ave	7773	15453	175238	353445	550138	0.500	1.00	10.0	20.0	30.0
			723721	1076176				40.0	60.0			
2-Hexanone	CBNZ d5	Ave	13796	26228	262660	541341	860357	1.00	2.00	20.0	40.0	60.0
			1109905	1657221				80.0	120			
Dibromochloromethane	CBNZ d5	Ave	6648	14116	154700	313968	492974	0.500	1.00	10.0	20.0	30.0
			642057	977377				40.0	60.0			
1,2-Dibromoethane	CBNZ d5	Ave	6778	12939	141158	279419	422571	0.500	1.00	10.0	20.0	30.0
			545998	803677				40.0	60.0			
Chlorobenzene	CBNZ d5	Ave	20849	40533	419379	832781	1296819	0.500	1.00	10.0	20.0	30.0
			1684040	2479225				40.0	60.0			
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	7640	14572	159397	328363	511340	0.500	1.00	10.0	20.0	30.0
			677945	1017939				40.0	60.0			
Ethylbenzene	CBNZ d5	Ave	11219	22133	247341	500681	786260	0.500	1.00	10.0	20.0	30.0
			1026772	1543164				40.0	60.0			
m-Xylene & p-Xylene	CBNZ d5	Ave	13330	27929	304483	627710	979492	0.500	1.00	10.0	20.0	30.0

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 14:43 Calibration End Date: 06/16/2021 17:01 Calibration ID: 61772

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
			1281966	1939280				40.0	60.0			
o-Xylene	CBNZ d5	Ave	12181 1254817	27513 1892844	302342	605288	956064	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Styrene	CBNZ d5	Ave	18863 1843734	39426 2790999	441770	902563	1406813	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Bromoform	CBNZ d5	Ave	+++++ 486043	8589 732712	112884	233202	368898	+++++ 40.0	1.00 60.0	10.0	20.0	30.0
Isopropylbenzene	CBNZ d5	Ave	33786 3242329	70460 4834328	784986	1576634	2473073	0.500 40.0	1.00 60.0	10.0	20.0	30.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	8909 852700	18381 1267664	200352	408681	647390	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Bromobenzene	DCBd 4	Ave	8011 750198	17098 1120330	179859	367268	565275	0.500 40.0	1.00 60.0	10.0	20.0	30.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	2615 261426	5623 386169	64156	128017	201048	0.500 40.0	1.00 60.0	10.0	20.0	30.0
1,2,3-Trichloropropane	DCBd 4	Ave	4163 329566	6766 495513	80650	160807	249421	0.500 40.0	1.00 60.0	10.0	20.0	30.0
n-Propylbenzene	DCBd 4	Ave	8466 918433	18661 1374975	217719	446695	689971	0.500 40.0	1.00 60.0	10.0	20.0	30.0
2-Chlorotoluene	DCBd 4	Ave	7639 756510	15360 1139411	182427	368876	574856	0.500 40.0	1.00 60.0	10.0	20.0	30.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	26157 2643946	55477 3970005	619861	1290714	1999081	0.500 40.0	1.00 60.0	10.0	20.0	30.0
4-Chlorotoluene	DCBd 4	Ave	7979	16627	183658	377149	593337	0.500	1.00	10.0	20.0	30.0

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 14:43 Calibration End Date: 06/16/2021 17:01 Calibration ID: 61772

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
			773250	1166857				40.0	60.0			
tert-Butylbenzene	DCBd 4	Ave	23395 2470260	52357 3970678	630059	1290101	1875415	0.500 40.0	1.00 60.0	10.0	20.0	30.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	26374 2640104	53956 3951895	628530	1280312	2009295	0.500 40.0	1.00 60.0	10.0	20.0	30.0
sec-Butylbenzene	DCBd 4	Ave	7060 732107	14761 1098900	174181	358468	552293	0.500 40.0	1.00 60.0	10.0	20.0	30.0
1,3-Dichlorobenzene	DCBd 4	Ave	15220 1465411	32156 2204810	346332	714815	1108830	0.500 40.0	1.00 60.0	10.0	20.0	30.0
p-Isopropyltoluene	DCBd 4	Ave	26903 2869839	58200 4295403	683849	1394101	2175148	0.500 40.0	1.00 60.0	10.0	20.0	30.0
1,4-Dichlorobenzene	DCBd 4	Ave	16154 1471129	32571 2198809	346596	720021	1119407	0.500 40.0	1.00 60.0	10.0	20.0	30.0
n-Butylbenzene	DCBd 4	Ave	22120 2323101	45129 3485059	554025	1144583	1759861	0.500 40.0	1.00 60.0	10.0	20.0	30.0
1,2-Dichlorobenzene	DCBd 4	Ave	14079 1403055	29828 2121041	337208	684488	1069868	0.500 40.0	1.00 60.0	10.0	20.0	30.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	2600 244255	4925 375741	55524	116068	187749	0.500 40.0	1.00 60.0	10.0	20.0	30.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	7860 871748	17860 1312425	199716	426346	656588	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Hexachlorobutadiene	DCBd 4	Ave	3232 336884	6172 519642	76738	164234	259986	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Naphthalene	DCBd 4	Ave	27481	57982	671074	1399596	2202841	0.500	1.00	10.0	20.0	30.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 14:43 Calibration End Date: 06/16/2021 17:01 Calibration ID: 61772

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
			2904095	4327701				40.0	60.0			
1,2,3-Trichlorobenzene	DCBd 4	Ave	7446	15922	191128	395950	625212	0.500	1.00	10.0	20.0	30.0
			816216	1222342				40.0	60.0			
Dibromofluoromethane (Surr)	FB	Ave	6883	12163	136524	275098	436113	0.500	1.00	10.0	20.0	30.0
			559067	836324				40.0	60.0			
1,2-Dichloroethane-d4 (Surr)	FB	Ave	7303	14537	161663	320169	491881	0.500	1.00	10.0	20.0	30.0
			633292	938974				40.0	60.0			
Toluene-d8 (Surr)	CBNZ d5	Ave	27169	53775	551266	1105817	1705021	0.500	1.00	10.0	20.0	30.0
			2185538	3228497				40.0	60.0			
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	10753	18939	203428	418764	643387	0.500	1.00	10.0	20.0	30.0
			838021	1243747				40.0	60.0			

Curve Type Legend
Ave = Average ISTD

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 18:33 Calibration End Date: 06/16/2021 20:29 Calibration ID: 61776

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-490967/18	UX996087.D
Level 2	STDA9 240-490967/19	UX996088.D
Level 3	STDA9 240-490967/20	UX996089.D
Level 4	STDA9 240-490967/21	UX996090.D
Level 5	STDA9 240-490967/22	UX996091.D
Level 6	STDA9 240-490967/23	UX996092.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetonitrile	0.0819 0.0672	0.0692	0.0629	0.0638	0.0679	Ave		0.0688				10.0		20.0			
Diisopropyl ether	0.3276 0.3526	0.3346	0.3371	0.3384	0.3550	Ave		0.3409				3.1		20.0			
2-Chloro-1,3-butadiene	0.4712 0.5430	0.5293	0.5329	0.5303	0.5500	Ave		0.5261				5.3		20.0			
Ethyl-t-butyl ether (ETBE)	1.0636 1.1364	1.1098	1.0963	1.1045	1.1489	Ave		1.1099				2.7		20.0			
Propionitrile	0.0755 0.0785	0.0715	0.0717	0.0724	0.0784	Ave		0.0746				4.4		20.0			
Ethyl acetate	0.5662 0.4569	0.4531	0.4393	0.4371	0.4612	Ave		0.4689				10.4		20.0			
Methacrylonitrile	0.2854 0.2818	0.2743	0.2656	0.2682	0.2826	Ave		0.2763				3.0		20.0			
Isooctane	0.9340 1.0258	0.9838	0.9883	0.9747	1.0591	Ave		0.9943				4.4		20.0			
Tert-amyl-methyl ether (TAME)	1.1312 1.1884	1.1230	1.1234	1.1364	1.2073	Ave		1.1516				3.2		20.0			
n-Butanol	0.0132 0.0178	0.0141	0.0152	0.0160	0.0178	Ave		0.0157				12.2		20.0			
Ethyl acrylate	0.5518 0.5539	0.5520	0.5390	0.5434	0.5618	Ave		0.5503				1.5		20.0			
Methyl methacrylate	0.4175 0.3852	0.3716	0.3722	0.3727	0.3907	Ave		0.3850				4.6		20.0			
2-Nitropropane	0.1851 0.1753	0.1737	0.1574	0.1609	0.1736	Ave		0.1710				6.0		20.0			
n-Butyl acetate	0.8757 0.8912	0.8889	0.8549	0.8649	0.9196	Ave		0.8825				2.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 18:33 Calibration End Date: 06/16/2021 20:29 Calibration ID: 61776

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1-Chlorohexane	0.7444 0.7312	0.7481	0.7180	0.7249	0.7519	Ave		0.7364				1.9		20.0			
Cyclohexanone	0.0495 0.0490	0.0510	0.0459	0.0470	0.0505	Ave		0.0488				4.1		20.0			
Pentachloroethane	+++++ 0.4957	0.4749	0.5822	0.5591	0.5420	Ave		0.5308				8.4		20.0			
1,2,3-Trimethylbenzene	3.3497 3.6423	3.7884	3.6279	3.6573	3.8085	Ave		3.6457				4.5		20.0			
Benzyl chloride	0.5929 0.5336	0.5063	0.5151	0.5199	0.5526	Ave		0.5367				5.9		20.0			
1,3,5-Trichlorobenzene	1.2063 1.3221	1.3118	1.3002	1.2970	1.3467	Ave		1.2973				3.7		20.0			
2-Methylnaphthalene	1.3863 1.3017	1.5222	1.5139	1.3508	1.4067	Ave		1.4136				6.3		20.0			
1-Methylnaphthalene	1.2537 0.9623	1.3454	1.3558	1.0862	1.0737	Ave		1.1795				13.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 18:33 Calibration End Date: 06/16/2021 20:29 Calibration ID: 61776

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-490967/18	UX996087.D
Level 2	STDA9 240-490967/19	UX996088.D
Level 3	STDA9 240-490967/20	UX996089.D
Level 4	STDA9 240-490967/21	UX996090.D
Level 5	STDA9 240-490967/22	UX996091.D
Level 6	STDA9 240-490967/23	UX996092.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Acetonitrile	FB	Ave	16983 1641665	28119	254185	508814	1119895	5.00 600	10.0	100	200	400
Diisopropyl ether	FB	Ave	6791 861647	13594	136333	269930	585231	0.500 60.0	1.00	10.0	20.0	40.0
2-Chloro-1,3-butadiene	FB	Ave	9768 1326930	21507	215511	422987	906713	0.500 60.0	1.00	10.0	20.0	40.0
Ethyl-t-butyl ether (ETBE)	FB	Ave	22051 2777331	45089	443358	880949	1893961	0.500 60.0	1.00	10.0	20.0	40.0
Propionitrile	FB	Ave	15652 1918119	29043	289762	577632	1291564	5.00 600	10.0	100	200	400
Ethyl acetate	FB	Ave	23475 2233054	36815	355346	697251	1520381	1.00 120	2.00	20.0	40.0	80.0
Methacrylonitrile	FB	Ave	59176 6886549	111444	1073980	2139356	4658077	5.00 600	10.0	100	200	400
Isooctane	FB	Ave	19363 2506972	39971	399688	777471	1745777	0.500 60.0	1.00	10.0	20.0	40.0
Tert-amyl-methyl ether (TAME)	FB	Ave	23452 2904447	45627	454318	906434	1990174	0.500 60.0	1.00	10.0	20.0	40.0
n-Butanol	FB	Ave	6834 1089763	14281	153926	319440	733643	12.5 1500	25.0	250	500	1000
Ethyl acrylate	FB	Ave	11439 1353635	22428	217971	433443	926163	0.500 60.0	1.00	10.0	20.0	40.0
Methyl methacrylate	FB	Ave	17311 1882788	30194	301014	594598	1287952	1.00 120	2.00	20.0	40.0	80.0
2-Nitropropane	FB	Ave	7674 856651	14118	127317	256597	572184	1.00 120	2.00	20.0	40.0	80.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 18:33 Calibration End Date: 06/16/2021 20:29 Calibration ID: 61776

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
n-Butyl acetate	CBNZ d5	Ave	13753 1709022	27382	266628	533698	1167653	0.500 60.0	1.00	10.0	20.0	40.0
1-Chlorohexane	CBNZ d5	Ave	11692 1402269	23043	223933	447323	954688	0.500 60.0	1.00	10.0	20.0	40.0
Cyclohexanone	DCBd 4	Ave	3977 497825	8014	73960	150610	335213	5.00 600	10.0	100	200	400
Pentachloroethane	DCBd 4	Ave	+++++ 1007159	14931	187724	358573	719663	+++++ 120	2.00	20.0	40.0	80.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	26928 3700416	59560	584873	1172871	2528624	0.500 60.0	1.00	10.0	20.0	40.0
Benzyl chloride	DCBd 4	Ave	4766 542139	7960	83035	166729	366918	0.500 60.0	1.00	10.0	20.0	40.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	9697 1343167	20623	209612	415931	894105	0.500 60.0	1.00	10.0	20.0	40.0
2-Methylnaphthalene	DCBd 4	Ave	22288 2645011	47862	488131	866407	1867940	1.00 120	2.00	20.0	40.0	80.0
1-Methylnaphthalene	DCBd 4	Ave	20157 1955385	42303	437160	696695	1425737	1.00 120	2.00	20.0	40.0	80.0

Curve Type Legend
Ave = Average ISTD

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-482539/17 Calibration Date: 04/23/2021 15:17

Instrument ID: A3UX16 Calib Start Date: 04/23/2021 12:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/23/2021 14:53

Lab File ID: UXM36567.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	0.3597	0.2789	0.1000	0.0155	0.0200	-22.4	30.0
Chloromethane	Ave	0.3711	0.3284	0.1000	0.0177	0.0200	-11.5	30.0
Vinyl chloride	Ave	0.3683	0.3604	0.1000	0.0196	0.0200	-2.1	30.0
Butadiene	Ave	0.3577	0.3091		0.0173	0.0200	-13.6	30.0
Bromomethane	Lin1		0.1946	0.0500	0.0188	0.0200	-6.2	30.0
Chloroethane	Ave	0.2067	0.1970	0.0500	0.0191	0.0200	-4.7	30.0
Dichlorofluoromethane	Ave	0.4696	0.4481		0.0191	0.0200	-4.6	30.0
Trichlorofluoromethane	Ave	0.4002	0.3861	0.1000	0.0193	0.0200	-3.5	30.0
Ethyl ether	Ave	0.1785	0.1796		0.0201	0.0200	0.6	30.0
Acrolein	Ave	0.0109	0.0150		0.137	0.100	37.3*	30.0
1,1-Dichloroethene	Ave	0.2222	0.2212	0.1000	0.0199	0.0200	-0.4	30.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.1731	0.1717	0.0500	0.0198	0.0200	-0.8	30.0
Acetone	Lin1		0.0176	0.0100	0.0372	0.0400	-7.0	50.0
Iodomethane	Ave	0.2949	0.2808		0.0190	0.0200	-4.8	30.0
Carbon disulfide	Ave	0.7278	0.7245	0.1000	0.0199	0.0200	-0.5	30.0
Methyl acetate	Ave	0.1657	0.1384	0.1000	0.0334	0.0400	-16.5	50.0
3-Chloro-1-propene	Ave	0.3878	0.3775		0.0195	0.0200	-2.7	30.0
Methylene Chloride	Ave	0.2633	0.2452	0.1000	0.0186	0.0200	-6.9	50.0
tert-Butyl alcohol	Ave	0.0219	0.0190		0.173	0.200	-13.6	30.0
Acrylonitrile	Ave	0.0908	0.0796		0.175	0.200	-12.4	30.0
Methyl tert-butyl ether	Ave	0.6160	0.5803	0.1000	0.0188	0.0200	-5.8	30.0
trans-1,2-Dichloroethene	Ave	0.2664	0.2564	0.1000	0.0192	0.0200	-3.8	30.0
Hexane	Ave	0.3512	0.3357		0.0191	0.0200	-4.4	30.0
Vinyl acetate	Lin1		0.2671		0.0179	0.0200	-10.7	30.0
1,1-Dichloroethane	Ave	0.4687	0.4395	0.2000	0.0188	0.0200	-6.2	30.0
2-Butanone	Ave	0.0236	0.0214	0.0100	0.0363	0.0400	-9.3	50.0
2,2-Dichloropropane	Ave	0.4110	0.3986		0.0194	0.0200	-3.0	30.0
cis-1,2-Dichloroethene	Ave	0.2958	0.2816	0.1000	0.0190	0.0200	-4.8	30.0
Bromochloromethane	Ave	0.1306	0.1215		0.0186	0.0200	-6.9	30.0
Tetrahydrofuran	Ave	0.0672	0.0581		0.0345	0.0400	-13.6	30.0
Chloroform	Ave	0.4573	0.4257	0.2000	0.0186	0.0200	-6.9	30.0
1,1,1-Trichloroethane	Ave	0.3941	0.3751	0.1000	0.0190	0.0200	-4.8	30.0
Cyclohexane	Ave	0.4354	0.4254	0.1000	0.0195	0.0200	-2.3	30.0
1,1-Dichloropropene	Ave	0.3399	0.3314		0.0195	0.0200	-2.5	30.0
Carbon tetrachloride	Ave	0.3235	0.3208	0.1000	0.0198	0.0200	-0.8	30.0
Isobutyl alcohol	Ave	0.0069	0.0054		0.392	0.500	-21.6	30.0
Benzene	Ave	1.010	0.9527	0.5000	0.0189	0.0200	-5.7	30.0
1,2-Dichloroethane	Ave	0.3364	0.3253	0.1000	0.0193	0.0200	-3.3	30.0
n-Heptane	Lin1		0.2185		0.0201	0.0200	0.6	30.0
Trichloroethene	Ave	0.2625	0.2540	0.1500	0.0193	0.0200	-3.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-482539/17 Calibration Date: 04/23/2021 15:17

Instrument ID: A3UX16 Calib Start Date: 04/23/2021 12:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/23/2021 14:53

Lab File ID: UXM36567.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	0.4438	0.4346	0.1000	0.0196	0.0200	-2.1	30.0
1,2-Dichloropropane	Ave	0.2382	0.2354	0.1000	0.0198	0.0200	-1.2	30.0
1,4-Dioxane	Ave	0.0029	0.0025		0.345	0.400	-13.9	50.0
Dibromomethane	Ave	0.1462	0.1372		0.0188	0.0200	-6.2	30.0
Bromodichloromethane	Ave	0.3399	0.3262	0.1500	0.0192	0.0200	-4.0	30.0
2-Chloroethyl vinyl ether	Ave	0.1366	0.1278		0.0187	0.0200	-6.5	30.0
cis-1,3-Dichloropropene	Ave	0.3924	0.3869	0.1500	0.0197	0.0200	-1.4	50.0
4-Methyl-2-pentanone	Ave	0.1797	0.1613	0.0500	0.0359	0.0400	-10.2	50.0
Toluene	Ave	1.432	1.346	0.4000	0.0188	0.0200	-6.0	30.0
trans-1,3-Dichloropropene	Ave	0.4496	0.4168	0.1000	0.0185	0.0200	-7.3	30.0
Ethyl methacrylate	Ave	0.3544	0.3367		0.0190	0.0200	-5.0	30.0
1,1,2-Trichloroethane	Ave	0.2444	0.2300	0.1000	0.0188	0.0200	-5.9	30.0
Tetrachloroethene	Ave	0.2661	0.2546	0.1500	0.0191	0.0200	-4.3	30.0
1,3-Dichloropropane	Ave	0.4464	0.4252		0.0191	0.0200	-4.7	30.0
2-Hexanone	Ave	0.1652	0.1473	0.0500	0.0357	0.0400	-10.8	50.0
Dibromochloromethane	Ave	0.2822	0.2733		0.0194	0.0200	-3.2	30.0
1,2-Dibromoethane	Ave	0.2435	0.2359		0.0194	0.0200	-3.1	30.0
Chlorobenzene	Ave	0.9137	0.8639	0.3000	0.0189	0.0200	-5.5	30.0
1,1,1,2-Tetrachloroethane	Ave	0.2841	0.2781		0.0196	0.0200	-2.1	30.0
Ethylbenzene	Ave	0.5176	0.4918		0.0190	0.0200	-5.0	30.0
m-Xylene & p-Xylene	Ave	0.6543	0.6152		0.0188	0.0200	-6.0	30.0
o-Xylene	Ave	0.6167	0.5956		0.0193	0.0200	-3.4	30.0
Styrene	Ave	0.9433	1.018	0.3000	0.0216	0.0200	7.9	30.0
Bromoform	Ave	0.1723	0.1650	0.1000	0.0192	0.0200	-4.2	30.0
Isopropylbenzene	Ave	1.619	1.555	0.1000	0.0192	0.0200	-3.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5537	0.5037	0.3000	0.0182	0.0200	-9.0	30.0
Bromobenzene	Ave	0.6628	0.6396		0.0193	0.0200	-3.5	30.0
trans-1,4-Dichloro-2-butene	Ave	0.1878	0.1778		0.0189	0.0200	-5.3	30.0
1,2,3-Trichloropropane	Ave	0.1809	0.1700		0.0188	0.0200	-6.0	30.0
n-Propylbenzene	Ave	0.8496	0.8032		0.0189	0.0200	-5.5	30.0
2-Chlorotoluene	Ave	0.6884	0.6543		0.0190	0.0200	-5.0	30.0
1,3,5-Trimethylbenzene	Ave	2.541	2.466		0.0194	0.0200	-3.0	30.0
4-Chlorotoluene	Ave	0.7179	0.6896		0.0192	0.0200	-3.9	30.0
tert-Butylbenzene	Ave	2.190	2.065		0.0189	0.0200	-5.7	30.0
1,2,4-Trimethylbenzene	Ave	2.572	2.468		0.0192	0.0200	-4.1	30.0
sec-Butylbenzene	Ave	3.284	3.132		0.0191	0.0200	-4.6	30.0
1,3-Dichlorobenzene	Ave	1.327	1.256	0.6000	0.0189	0.0200	-5.3	30.0
p-Isopropyltoluene	Ave	2.798	2.695		0.0193	0.0200	-3.7	30.0
1,4-Dichlorobenzene	Ave	1.331	1.283	0.5000	0.0193	0.0200	-3.7	30.0
n-Butylbenzene	Ave	2.529	2.425		0.0192	0.0200	-4.1	30.0
1,2-Dichlorobenzene	Ave	1.229	1.133	0.4000	0.0184	0.0200	-7.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-482539/17 Calibration Date: 04/23/2021 15:17

Instrument ID: A3UX16 Calib Start Date: 04/23/2021 12:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/23/2021 14:53

Lab File ID: UXM36567.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	0.1304	0.1217	0.0500	0.0187	0.0200	-6.6	50.0
1,2,4-Trichlorobenzene	Ave	0.7137	0.6800	0.2000	0.0191	0.0200	-4.7	50.0
Hexachlorobutadiene	Ave	0.3214	0.3160		0.0197	0.0200	-1.7	50.0
Naphthalene	Ave	1.813	1.619		0.0179	0.0200	-10.7	50.0
1,2,3-Trichlorobenzene	Ave	0.6054	0.5661		0.0187	0.0200	-6.5	30.0
Dibromofluoromethane (Surr)	Ave	0.2427	0.2571		0.0212	0.0200	5.9	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2866	0.3003		0.0210	0.0200	4.8	30.0
Toluene-d8 (Surr)	Ave	1.219	1.289		0.0212	0.0200	5.8	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4689	0.5548		0.0237	0.0200	18.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-482539/26 Calibration Date: 04/23/2021 18:55

Instrument ID: A3UX16 Calib Start Date: 04/23/2021 12:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/23/2021 14:53

Lab File ID: UXM36576.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	0.2427	0.2657		0.0219	0.0200	9.4	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2866	0.3175		0.0222	0.0200	10.8	30.0
Toluene-d8 (Surr)	Ave	1.219	1.338		0.0220	0.0200	9.8	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4689	0.5601		0.0239	0.0200	19.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-482539/26 Calibration Date: 04/23/2021 18:55

Instrument ID: A3UX16 Calib Start Date: 04/23/2021 16:29

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/23/2021 18:30

Lab File ID: UXM36576.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	0.0316	0.0308		0.195	0.200	-2.5	30.0
Diisopropyl ether	Ave	0.1817	0.1872		0.0206	0.0200	3.1	30.0
2-Chloro-1,3-butadiene	Ave	0.3819	0.3713		0.0194	0.0200	-2.8	30.0
Ethyl-t-butyl ether (ETBE)	Ave	0.6074	0.6256		0.0206	0.0200	3.0	30.0
Ethyl acetate	Ave	0.1689	0.1568		0.0371	0.0400	-7.2	30.0
Propionitrile	Ave	0.0348	0.0331		0.190	0.200	-5.1	30.0
Methacrylonitrile	Ave	0.1236	0.1230		0.199	0.200	-0.5	30.0
Tert-amyl-methyl ether (TAME)	Ave	0.5775	0.5804		0.0201	0.0200	0.5	30.0
n-Butanol	Ave	0.0049	0.0049		0.500	0.500	0.0	30.0
Ethyl acrylate	Ave	0.2515	0.2311		0.0184	0.0200	-8.1	30.0
Methyl methacrylate	Ave	0.1743	0.1681		0.0386	0.0400	-3.6	30.0
2-Nitropropane	Lin1		0.0668		0.0394	0.0400	-1.5	30.0
n-Butyl acetate	Ave	0.2902	0.2801		0.0193	0.0200	-3.5	30.0
1-Chlorohexane	Ave	0.5303	0.4886		0.0184	0.0200	-7.9	30.0
Cyclohexanone	Lin1		0.0189		0.200	0.200	0.2	30.0
Pentachloroethane	Ave	0.1090	0.0592		0.0217	0.0400	-45.7*	30.0
1,2,3-Trimethylbenzene	Ave	2.601	2.529		0.0195	0.0200	-2.7	30.0
Benzyl chloride	Ave	0.2725	0.2536		0.0186	0.0200	-7.0	30.0
1,3,5-Trichlorobenzene	Ave	0.9222	0.8971		0.0195	0.0200	-2.7	30.0
2-Methylnaphthalene	Ave	0.7431	0.7072		0.0381	0.0400	-4.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-496537/3 Calibration Date: 07/26/2021 11:26

Instrument ID: A3UX16 Calib Start Date: 04/23/2021 12:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/23/2021 14:53

Lab File ID: UXM38829.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	0.3597	0.3821	0.1000	0.0212	0.0200	6.2	20.0
Chloromethane	Ave	0.3711	0.3917	0.1000	0.0211	0.0200	5.5	20.0
Vinyl chloride	Ave	0.3683	0.4198	0.1000	0.0228	0.0200	14.0	20.0
Butadiene	Ave	0.3577	0.3861		0.0216	0.0200	7.9	20.0
Bromomethane	Lin1		0.2303	0.0500	0.0223	0.0200	11.4	20.0
Chloroethane	Ave	0.2067	0.2040	0.0500	0.0197	0.0200	-1.3	20.0
Dichlorofluoromethane	Ave	0.4696	0.4850		0.0207	0.0200	3.3	20.0
Trichlorofluoromethane	Ave	0.4002	0.4687	0.1000	0.0234	0.0200	17.1	20.0
Ethyl ether	Ave	0.1785	0.1614		0.0181	0.0200	-9.6	20.0
Acrolein	Ave	0.0109	0.0059		0.0537	0.100	-46.3*	20.0
1,1-Dichloroethene	Ave	0.2222	0.2199	0.1000	0.0198	0.0200	-1.0	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.1731	0.1857	0.0500	0.0215	0.0200	7.3	20.0
Acetone	Lin1		0.0178	0.0100	0.0376	0.0400	-5.9	50.0
Iodomethane	Ave	0.2949	0.2910		0.0197	0.0200	-1.3	20.0
Carbon disulfide	Ave	0.7278	0.6669	0.1000	0.0183	0.0200	-8.4	20.0
Methyl acetate	Ave	0.1657	0.1337	0.1000	0.0323	0.0400	-19.3	50.0
3-Chloro-1-propene	Ave	0.3878	0.3277		0.0169	0.0200	-15.5	20.0
Methylene Chloride	Ave	0.2633	0.2494	0.1000	0.0189	0.0200	-5.3	50.0
tert-Butyl alcohol	Ave	0.0219	0.0189		0.172	0.200	-14.1	20.0
Acrylonitrile	Ave	0.0908	0.0776		0.171	0.200	-14.6	20.0
Methyl tert-butyl ether	Ave	0.6160	0.5954	0.1000	0.0193	0.0200	-3.3	20.0
trans-1,2-Dichloroethene	Ave	0.2664	0.2589	0.1000	0.0194	0.0200	-2.8	20.0
Hexane	Ave	0.3512	0.3488		0.0199	0.0200	-0.7	20.0
Vinyl acetate	Lin1		0.3720		0.0246	0.0200	23.1*	20.0
1,1-Dichloroethane	Ave	0.4687	0.4387	0.2000	0.0187	0.0200	-6.4	20.0
2-Butanone	Ave	0.0236	0.0226	0.0100	0.0384	0.0400	-4.0	50.0
2,2-Dichloropropane	Ave	0.4110	0.4054		0.0197	0.0200	-1.4	20.0
cis-1,2-Dichloroethene	Ave	0.2958	0.2850	0.1000	0.0193	0.0200	-3.6	20.0
Bromochloromethane	Ave	0.1306	0.1325		0.0203	0.0200	1.4	20.0
Tetrahydrofuran	Ave	0.0672	0.0537		0.0319	0.0400	-20.2*	20.0
Chloroform	Ave	0.4573	0.4443	0.2000	0.0194	0.0200	-2.8	20.0
1,1,1-Trichloroethane	Ave	0.3941	0.4006	0.1000	0.0203	0.0200	1.6	20.0
Cyclohexane	Ave	0.4354	0.4203	0.1000	0.0193	0.0200	-3.5	20.0
1,1-Dichloropropene	Ave	0.3399	0.3412		0.0201	0.0200	0.4	20.0
Carbon tetrachloride	Ave	0.3235	0.3274	0.1000	0.0202	0.0200	1.2	20.0
Isobutyl alcohol	Ave	0.0069	0.0058		0.420	0.500	-16.1	20.0
Benzene	Ave	1.010	0.9792	0.5000	0.0194	0.0200	-3.1	20.0
1,2-Dichloroethane	Ave	0.3364	0.3426	0.1000	0.0204	0.0200	1.8	20.0
n-Heptane	Lin1		0.2224		0.0206	0.0200	2.8	20.0
Trichloroethene	Ave	0.2625	0.2655	0.1500	0.0202	0.0200	1.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-496537/3 Calibration Date: 07/26/2021 11:26

Instrument ID: A3UX16 Calib Start Date: 04/23/2021 12:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/23/2021 14:53

Lab File ID: UXM38829.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	0.4438	0.4674	0.1000	0.0211	0.0200	5.3	20.0
1,2-Dichloropropane	Ave	0.2382	0.2268	0.1000	0.0190	0.0200	-4.8	20.0
1,4-Dioxane	Ave	0.0029	0.0024		0.340	0.400	-15.1	50.0
Dibromomethane	Ave	0.1462	0.1408		0.0193	0.0200	-3.7	20.0
Bromodichloromethane	Ave	0.3399	0.3095	0.1500	0.0182	0.0200	-8.9	20.0
2-Chloroethyl vinyl ether	Ave	0.1366	0.1077		0.0315	0.0400	-21.1*	20.0
cis-1,3-Dichloropropene	Ave	0.3924	0.3744	0.1500	0.0191	0.0200	-4.6	50.0
4-Methyl-2-pentanone	Ave	0.1797	0.1536	0.0500	0.0342	0.0400	-14.6	50.0
Toluene	Ave	1.432	1.383	0.4000	0.0193	0.0200	-3.5	20.0
trans-1,3-Dichloropropene	Ave	0.4496	0.4140	0.1000	0.0184	0.0200	-7.9	20.0
Ethyl methacrylate	Ave	0.3544	0.3236		0.0183	0.0200	-8.7	20.0
1,1,2-Trichloroethane	Ave	0.2444	0.2365	0.1000	0.0194	0.0200	-3.2	20.0
Tetrachloroethene	Ave	0.2661	0.2706	0.1500	0.0203	0.0200	1.7	20.0
1,3-Dichloropropane	Ave	0.4464	0.4263		0.0191	0.0200	-4.5	20.0
2-Hexanone	Ave	0.1652	0.1387	0.0500	0.0336	0.0400	-16.0	50.0
Dibromochloromethane	Ave	0.2822	0.2469		0.0175	0.0200	-12.5	20.0
1,2-Dibromoethane	Ave	0.2435	0.2415		0.0198	0.0200	-0.8	20.0
Chlorobenzene	Ave	0.9137	0.8967	0.3000	0.0196	0.0200	-1.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2841	0.2841		0.0200	0.0200	0.0	20.0
Ethylbenzene	Ave	0.5176	0.5158		0.0199	0.0200	-0.3	20.0
m-Xylene & p-Xylene	Ave	0.6543	0.6537		0.0200	0.0200	-0.1	20.0
o-Xylene	Ave	0.6167	0.6308		0.0205	0.0200	2.3	20.0
Styrene	Ave	0.9433	1.044	0.3000	0.0221	0.0200	10.7	20.0
Bromoform	Ave	0.1723	0.1467	0.1000	0.0170	0.0200	-14.9	20.0
Isopropylbenzene	Ave	1.619	1.665	0.1000	0.0206	0.0200	2.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5537	0.5010	0.3000	0.0181	0.0200	-9.5	20.0
Bromobenzene	Ave	0.6628	0.6280		0.0189	0.0200	-5.3	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1878	0.1613		0.0172	0.0200	-14.1	20.0
1,2,3-Trichloropropane	Ave	0.1809	0.1669		0.0185	0.0200	-7.7	20.0
n-Propylbenzene	Ave	0.8496	0.8192		0.0193	0.0200	-3.6	20.0
2-Chlorotoluene	Ave	0.6884	0.6633		0.0193	0.0200	-3.6	20.0
1,3,5-Trimethylbenzene	Ave	2.541	2.412		0.0190	0.0200	-5.1	20.0
4-Chlorotoluene	Ave	0.7179	0.7022		0.0196	0.0200	-2.2	20.0
tert-Butylbenzene	Ave	2.190	2.084		0.0190	0.0200	-4.9	20.0
1,2,4-Trimethylbenzene	Ave	2.572	2.381		0.0185	0.0200	-7.4	20.0
sec-Butylbenzene	Ave	3.284	3.150		0.0192	0.0200	-4.1	20.0
1,3-Dichlorobenzene	Ave	1.327	1.280	0.6000	0.0193	0.0200	-3.5	20.0
p-Isopropyltoluene	Ave	2.798	2.692		0.0192	0.0200	-3.8	20.0
1,4-Dichlorobenzene	Ave	1.331	1.282	0.5000	0.0193	0.0200	-3.7	20.0
n-Butylbenzene	Ave	2.529	2.425		0.0192	0.0200	-4.1	20.0
1,2-Dichlorobenzene	Ave	1.229	1.169	0.4000	0.0190	0.0200	-4.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-496537/3 Calibration Date: 07/26/2021 11:26

Instrument ID: A3UX16 Calib Start Date: 04/23/2021 12:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/23/2021 14:53

Lab File ID: UXM38829.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	0.1304	0.1081	0.0500	0.0166	0.0200	-17.1	50.0
1,2,4-Trichlorobenzene	Ave	0.7137	0.6183	0.2000	0.0173	0.0200	-13.4	50.0
Hexachlorobutadiene	Ave	0.3214	0.3083		0.0192	0.0200	-4.1	50.0
Naphthalene	Ave	1.813	1.481		0.0163	0.0200	-18.3	50.0
1,2,3-Trichlorobenzene	Ave	0.6054	0.5077		0.0168	0.0200	-16.1	20.0
Dibromofluoromethane (Surr)	Ave	0.2427	0.2395		0.0224	0.0227	-1.3	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2866	0.2881		0.0228	0.0227	0.5	20.0
Toluene-d8 (Surr)	Ave	1.219	1.191		0.0221	0.0227	-2.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4689	0.4813		0.0233	0.0227	2.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCV 240-496537/4 Calibration Date: 07/26/2021 11:50

Instrument ID: A3UX16 Calib Start Date: 04/23/2021 16:29

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/23/2021 18:30

Lab File ID: UXM38830.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	0.0316	0.0286		0.181	0.200	-9.5	20.0
Diisopropyl ether	Ave	0.1817	0.1871		0.0206	0.0200	3.0	20.0
2-Chloro-1,3-butadiene	Ave	0.3819	0.3576		0.0187	0.0200	-6.4	20.0
Ethyl-t-butyl ether (ETBE)	Ave	0.6074	0.5730		0.0189	0.0200	-5.7	20.0
Ethyl acetate	Ave	0.1689	0.1592		0.0377	0.0400	-5.7	20.0
Propionitrile	Ave	0.0348	0.0321		0.184	0.200	-8.0	20.0
Methacrylonitrile	Ave	0.1236	0.1095		0.177	0.200	-11.4	20.0
Tert-amyl-methyl ether (TAME)	Ave	0.5775	0.5442		0.0188	0.0200	-5.8	20.0
n-Butanol	Ave	0.0049	0.0049		0.497	0.500	-0.5	20.0
Ethyl acrylate	Ave	0.2515	0.2057		0.0164	0.0200	-18.2	20.0
Methyl methacrylate	Ave	0.1743	0.1526		0.0350	0.0400	-12.5	20.0
2-Nitropropane	Lin1		0.0430		0.0248	0.0400	-38.0*	20.0
n-Butyl acetate	Ave	0.2902	0.2685		0.0185	0.0200	-7.5	20.0
1-Chlorohexane	Ave	0.5303	0.4856		0.0183	0.0200	-8.4	20.0
Cyclohexanone	Lin1		0.0132		0.138	0.200	-31.2*	20.0
Pentachloroethane	Ave	0.1090	0.1652		0.0606	0.0400	51.6*	20.0
1,2,3-Trimethylbenzene	Ave	2.601	2.335		0.0180	0.0200	-10.2	20.0
Benzyl chloride	Ave	0.2725	0.2200		0.0161	0.0200	-19.3	20.0
1,3,5-Trichlorobenzene	Ave	0.9222	0.8148		0.0177	0.0200	-11.6	20.0
2-Methylnaphthalene	Ave	0.7431	0.5060		0.0272	0.0400	-31.9*	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-494428/17 Calibration Date: 07/10/2021 17:00

Instrument ID: A3UX19 Calib Start Date: 07/10/2021 14:02

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/10/2021 16:37

Lab File ID: U1922963.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	0.2698	0.3002	0.1000	0.0222	0.0200	11.2	30.0
Chloromethane	Ave	0.4086	0.3935	0.1000	0.0193	0.0200	-3.7	30.0
Vinyl chloride	Ave	0.3837	0.3899	0.1000	0.0203	0.0200	1.6	30.0
Butadiene	Ave	0.3716	0.3769		0.0203	0.0200	1.4	30.0
Bromomethane	Ave	0.2884	0.2878	0.0500	0.0200	0.0200	-0.2	30.0
Chloroethane	Ave	0.2291	0.2380	0.0500	0.0208	0.0200	3.9	30.0
Dichlorofluoromethane	Ave	0.6152	0.6299		0.0205	0.0200	2.4	30.0
Trichlorofluoromethane	Ave	0.5664	0.6239	0.1000	0.0220	0.0200	10.1	30.0
Ethyl ether	Ave	0.2232	0.2308		0.0207	0.0200	3.4	30.0
Acrolein	Ave	0.0063	0.0086		0.138	0.100	38.0*	30.0
1,1-Dichloroethene	Ave	0.3776	0.4018	0.1000	0.0213	0.0200	6.4	30.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.2403	0.2586	0.0500	0.0215	0.0200	7.6	30.0
Acetone	Ave	0.1334	0.1180	0.0100	0.0354	0.0400	-11.5	50.0
Iodomethane	Ave	0.4534	0.4671		0.0206	0.0200	3.0	30.0
Carbon disulfide	Ave	0.8214	0.7960	0.1000	0.0194	0.0200	-3.1	30.0
Methyl acetate	Ave	0.3051	0.3034	0.1000	0.0398	0.0400	-0.6	50.0
3-Chloro-1-propene	Ave	0.4023	0.3962		0.0197	0.0200	-1.5	30.0
Methylene Chloride	Ave	0.3392	0.3275	0.1000	0.0193	0.0200	-3.5	50.0
tert-Butyl alcohol	Ave	0.0549	0.0463		0.169	0.200	-15.6	30.0
Acrylonitrile	Ave	0.1533	0.1459		0.190	0.200	-4.8	30.0
Methyl tert-butyl ether	Ave	0.8066	0.7912	0.1000	0.0196	0.0200	-1.9	30.0
trans-1,2-Dichloroethene	Ave	0.3879	0.3794	0.1000	0.0196	0.0200	-2.2	30.0
Hexane	Ave	0.3466	0.3595		0.0207	0.0200	3.7	30.0
Vinyl acetate	Ave	0.6391	0.5705		0.0179	0.0200	-10.7	30.0
1,1-Dichloroethane	Ave	0.4744	0.4666	0.2000	0.0197	0.0200	-1.6	30.0
2-Butanone	Ave	0.0565	0.0573	0.0100	0.0406	0.0400	1.4	50.0
cis-1,2-Dichloroethene	Ave	0.3131	0.3018	0.1000	0.0193	0.0200	-3.6	30.0
2,2-Dichloropropane	Ave	0.3243	0.3233		0.0199	0.0200	-0.3	30.0
Bromochloromethane	Ave	0.2490	0.2328		0.0187	0.0200	-6.5	30.0
Tetrahydrofuran	Ave	0.1511	0.1435		0.0380	0.0400	-5.0	30.0
Chloroform	Ave	0.5001	0.4930	0.2000	0.0197	0.0200	-1.4	30.0
1,1,1-Trichloroethane	Ave	0.4499	0.4572	0.1000	0.0203	0.0200	1.6	30.0
Cyclohexane	Ave	0.3665	0.3881	0.1000	0.0212	0.0200	5.9	30.0
1,1-Dichloropropene	Ave	0.3884	0.3871		0.0199	0.0200	-0.3	30.0
Isobutyl alcohol	Ave	0.0204	0.0210		0.515	0.500	3.0	30.0
Carbon tetrachloride	Ave	0.4105	0.4228	0.1000	0.0206	0.0200	3.0	30.0
Benzene	Ave	1.043	1.046	0.5000	0.0201	0.0200	0.3	30.0
1,2-Dichloroethane	Ave	0.4037	0.3921	0.1000	0.0194	0.0200	-2.9	30.0
n-Heptane	Lin1		0.1904		0.0200	0.0200	0.2	30.0
Trichloroethene	Ave	0.3268	0.3257	0.1500	0.0199	0.0200	-0.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-494428/17 Calibration Date: 07/10/2021 17:00

Instrument ID: A3UX19 Calib Start Date: 07/10/2021 14:02

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/10/2021 16:37

Lab File ID: U1922963.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	0.4209	0.4369	0.1000	0.0208	0.0200	3.8	30.0
1,2-Dichloropropane	Ave	0.2560	0.2489	0.1000	0.0194	0.0200	-2.8	30.0
1,4-Dioxane	Ave	0.0047	0.0049		0.422	0.400	5.4	50.0
Dibromomethane	Ave	0.2338	0.2238		0.0191	0.0200	-4.3	30.0
Bromodichloromethane	Ave	0.3738	0.3715	0.1500	0.0199	0.0200	-0.6	30.0
2-Chloroethyl vinyl ether	Ave	0.1938	0.1949		0.0201	0.0200	0.5	30.0
cis-1,3-Dichloropropene	Ave	0.4394	0.4158	0.1500	0.0189	0.0200	-5.4	50.0
4-Methyl-2-pentanone	Ave	0.4235	0.4136	0.0500	0.0391	0.0400	-2.3	50.0
Toluene	Ave	1.410	1.395	0.4000	0.0198	0.0200	-1.0	30.0
trans-1,3-Dichloropropene	Ave	0.5402	0.5122	0.1000	0.0190	0.0200	-5.2	30.0
Ethyl methacrylate	Ave	0.4769	0.4853		0.0204	0.0200	1.8	30.0
1,1,2-Trichloroethane	Ave	0.2994	0.3023	0.1000	0.0202	0.0200	1.0	30.0
Tetrachloroethene	Ave	0.4206	0.4198	0.1500	0.0200	0.0200	-0.2	30.0
1,3-Dichloropropane	Ave	0.5132	0.5169		0.0201	0.0200	0.7	30.0
2-Hexanone	Ave	0.4173	0.4149	0.0500	0.0398	0.0400	-0.6	50.0
Dibromochloromethane	Ave	0.3735	0.3705		0.0198	0.0200	-0.8	30.0
1,2-Dibromoethane	Ave	0.3506	0.3448		0.0197	0.0200	-1.7	30.0
Chlorobenzene	Ave	0.9300	0.9239	0.3000	0.0199	0.0200	-0.7	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3644	0.3513		0.0193	0.0200	-3.6	30.0
Ethylbenzene	Ave	0.5052	0.5001		0.0198	0.0200	-1.0	30.0
m-Xylene & p-Xylene	Ave	0.6144	0.6117		0.0199	0.0200	-0.4	30.0
o-Xylene	Ave	0.5999	0.5940		0.0198	0.0200	-1.0	30.0
Styrene	Ave	0.9748	0.9572	0.3000	0.0196	0.0200	-1.8	30.0
Bromoform	Ave	0.3022	0.2934	0.1000	0.0194	0.0200	-2.9	30.0
Isopropylbenzene	Ave	1.536	1.547	0.1000	0.0201	0.0200	0.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8537	0.8755	0.3000	0.0205	0.0200	2.6	30.0
trans-1,4-Dichloro-2-butene	Ave	0.3313	0.3100		0.0187	0.0200	-6.4	30.0
Bromobenzene	Ave	0.7625	0.7626		0.0200	0.0200	0.0	30.0
1,2,3-Trichloropropane	Ave	0.3113	0.3141		0.0202	0.0200	0.9	30.0
n-Propylbenzene	Ave	0.7745	0.7850		0.0203	0.0200	1.4	30.0
2-Chlorotoluene	Ave	0.6710	0.6733		0.0201	0.0200	0.3	30.0
1,3,5-Trimethylbenzene	Ave	2.245	2.290		0.0204	0.0200	2.0	30.0
4-Chlorotoluene	Ave	0.7141	0.6948		0.0195	0.0200	-2.7	30.0
tert-Butylbenzene	Ave	1.954	1.978		0.0202	0.0200	1.2	30.0
1,2,4-Trimethylbenzene	Ave	2.283	2.336		0.0205	0.0200	2.3	30.0
sec-Butylbenzene	Ave	2.725	2.781		0.0204	0.0200	2.1	30.0
1,3-Dichlorobenzene	Ave	1.413	1.353	0.6000	0.0191	0.0200	-4.3	30.0
p-Isopropyltoluene	Ave	2.414	2.421		0.0201	0.0200	0.3	30.0
1,4-Dichlorobenzene	Ave	1.445	1.399	0.5000	0.0194	0.0200	-3.2	30.0
n-Butylbenzene	Ave	2.071	1.999		0.0193	0.0200	-3.5	30.0
1,2-Dichlorobenzene	Ave	1.346	1.300	0.4000	0.0193	0.0200	-3.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-494428/17 Calibration Date: 07/10/2021 17:00

Instrument ID: A3UX19 Calib Start Date: 07/10/2021 14:02

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/10/2021 16:37

Lab File ID: U1922963.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	0.2923	0.2777	0.0500	0.0190	0.0200	-5.0	50.0
1,2,4-Trichlorobenzene	Ave	0.9320	0.8079	0.2000	0.0173	0.0200	-13.3	50.0
Hexachlorobutadiene	Ave	0.3858	0.3162		0.0164	0.0200	-18.1	50.0
Naphthalene	Ave	3.033	2.792		0.0184	0.0200	-8.0	50.0
1,2,3-Trichlorobenzene	Ave	0.8790	0.7640		0.0174	0.0200	-13.1	30.0
Dibromofluoromethane (Surr)	Ave	0.2834	0.2977		0.0210	0.0200	5.0	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3362	0.3371		0.0200	0.0200	0.2	30.0
Toluene-d8 (Surr)	Ave	1.209	1.260		0.0208	0.0200	4.2	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4458	0.4882		0.0219	0.0200	9.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-494648/17 Calibration Date: 07/12/2021 22:00

Instrument ID: A3UX19 Calib Start Date: 07/10/2021 14:02

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/10/2021 16:37

Lab File ID: U1922981.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	0.2834	0.2920		0.0206	0.0200	3.0	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3362	0.3474		0.0207	0.0200	3.3	30.0
Toluene-d8 (Surr)	Ave	1.209	1.240		0.0205	0.0200	2.6	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4458	0.4821		0.0216	0.0200	8.1	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-494648/17 Calibration Date: 07/12/2021 22:00

Instrument ID: A3UX19 Calib Start Date: 07/12/2021 19:46

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/12/2021 21:37

Lab File ID: U1922981.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	0.0548	0.0506		0.185	0.200	-7.6	30.0
Diisopropyl ether	Ave	0.2146	0.2264		0.0211	0.0200	5.5	30.0
2-Chloro-1,3-butadiene	Ave	0.4180	0.4341		0.0208	0.0200	3.9	30.0
Ethyl-t-butyl ether (ETBE)	Ave	0.7485	0.7841		0.0210	0.0200	4.8	30.0
Ethyl acetate	Ave	0.3736	0.3848		0.0412	0.0400	3.0	30.0
Propionitrile	Ave	0.0657	0.0677		0.206	0.200	3.1	30.0
Methacrylonitrile	Ave	0.2248	0.2367		0.211	0.200	5.3	30.0
Tert-amyl-methyl ether (TAME)	Ave	0.8146	0.8591		0.0211	0.0200	5.5	30.0
n-Butanol	Ave	0.0170	0.0177		0.521	0.500	4.2	30.0
Ethyl acrylate	Ave	0.4304	0.4624		0.0215	0.0200	7.4	30.0
Methyl methacrylate	Ave	0.2859	0.2974		0.0416	0.0400	4.0	30.0
2-Nitropropane	Ave	0.1252	0.1166		0.0372	0.0400	-6.9	30.0
n-Butyl acetate	Ave	0.6631	0.6828		0.0206	0.0200	3.0	30.0
1-Chlorohexane	Ave	0.4428	0.4479		0.0202	0.0200	1.1	30.0
Cyclohexanone	Ave	0.0232	0.0221		0.190	0.200	-4.9	30.0
Pentachloroethane	Ave	0.3898	0.3911		0.0401	0.0400	0.3	30.0
1,2,3-Trimethylbenzene	Ave	2.326	2.365		0.0203	0.0200	1.7	30.0
Benzyl chloride	Ave	1.662	1.614		0.0194	0.0200	-2.9	30.0
1,3,5-Trichlorobenzene	Ave	1.002	0.8839		0.0177	0.0200	-11.7	30.0
2-Methylnaphthalene	Lin1		1.484		0.0357	0.0400	-10.7	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCV 240-496393/3 Calibration Date: 07/23/2021 15:21

Instrument ID: A3UX19 Calib Start Date: 07/12/2021 19:46

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/12/2021 21:37

Lab File ID: U1923142.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	0.0548	0.0445		0.162	0.200	-18.8	20.0
Diisopropyl ether	Ave	0.2146	0.1959		0.0183	0.0200	-8.7	20.0
2-Chloro-1,3-butadiene	Ave	0.4180	0.4028		0.0193	0.0200	-3.6	20.0
Ethyl-t-butyl ether (ETBE)	Ave	0.7485	0.6754		0.0180	0.0200	-9.8	20.0
Ethyl acetate	Ave	0.3736	0.3270		0.0350	0.0400	-12.5	20.0
Propionitrile	Ave	0.0657	0.0602		0.183	0.200	-8.3	20.0
Methacrylonitrile	Ave	0.2248	0.2058		0.183	0.200	-8.5	20.0
Tert-amyl-methyl ether (TAME)	Ave	0.8146	0.7345		0.0180	0.0200	-9.8	20.0
n-Butanol	Ave	0.0170	0.0149		0.437	0.500	-12.6	20.0
Ethyl acrylate	Ave	0.4304	0.3739		0.0174	0.0200	-13.1	20.0
Methyl methacrylate	Ave	0.2859	0.2416		0.0338	0.0400	-15.5	20.0
2-Nitropropane	Ave	0.1252	0.0950		0.0303	0.0400	-24.1*	20.0
n-Butyl acetate	Ave	0.6631	0.6186		0.0187	0.0200	-6.7	20.0
1-Chlorohexane	Ave	0.4428	0.4759		0.0215	0.0200	7.5	20.0
Cyclohexanone	Ave	0.0232	0.0202		0.174	0.200	-12.8	20.0
Pentachloroethane	Ave	0.3898	0.4155		0.0426	0.0400	6.6	20.0
1,2,3-Trimethylbenzene	Ave	2.326	2.468		0.0212	0.0200	6.1	20.0
Benzyl chloride	Ave	1.662	1.694		0.0204	0.0200	1.9	20.0
1,3,5-Trichlorobenzene	Ave	1.002	0.9334		0.0186	0.0200	-6.8	20.0
2-Methylnaphthalene	Lin1		1.413		0.0339	0.0400	-15.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-496393/4 Calibration Date: 07/23/2021 15:43

Instrument ID: A3UX19 Calib Start Date: 07/10/2021 14:02

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/10/2021 16:37

Lab File ID: U1923143.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	0.2698	0.3775	0.1000	0.0280	0.0200	39.9*	20.0
Chloromethane	Ave	0.4086	0.4208	0.1000	0.0206	0.0200	3.0	20.0
Vinyl chloride	Ave	0.3837	0.4246	0.1000	0.0221	0.0200	10.7	20.0
Butadiene	Ave	0.3716	0.4196		0.0226	0.0200	12.9	20.0
Bromomethane	Ave	0.2884	0.3517	0.0500	0.0244	0.0200	22.0*	20.0
Chloroethane	Ave	0.2291	0.2888	0.0500	0.0252	0.0200	26.1*	20.0
Dichlorofluoromethane	Ave	0.6152	0.7306		0.0238	0.0200	18.8	20.0
Trichlorofluoromethane	Ave	0.5664	0.7838	0.1000	0.0277	0.0200	38.4*	20.0
Ethyl ether	Ave	0.2232	0.2126		0.0191	0.0200	-4.7	20.0
Acrolein	Ave	0.0063	0.0029		0.0459	0.100	-54.1*	20.0
1,1-Dichloroethene	Ave	0.3776	0.3764	0.1000	0.0199	0.0200	-0.3	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.2403	0.2686	0.0500	0.0223	0.0200	11.7	20.0
Acetone	Ave	0.1334	0.1173	0.0100	0.0352	0.0400	-12.1	50.0
Iodomethane	Ave	0.4534	0.4216		0.0186	0.0200	-7.0	20.0
Carbon disulfide	Ave	0.8214	0.7238	0.1000	0.0176	0.0200	-11.9	20.0
Methyl acetate	Ave	0.3051	0.2728	0.1000	0.0358	0.0400	-10.6	50.0
3-Chloro-1-propene	Ave	0.4023	0.3392		0.0169	0.0200	-15.7	20.0
Methylene Chloride	Ave	0.3392	0.3218	0.1000	0.0190	0.0200	-5.1	50.0
tert-Butyl alcohol	Ave	0.0549	0.0429		0.156	0.200	-21.8*	20.0
Acrylonitrile	Ave	0.1533	0.1222		0.159	0.200	-20.3*	20.0
Methyl tert-butyl ether	Ave	0.8066	0.7086	0.1000	0.0176	0.0200	-12.1	20.0
trans-1,2-Dichloroethene	Ave	0.3879	0.3694	0.1000	0.0190	0.0200	-4.8	20.0
Hexane	Ave	0.3466	0.3588		0.0207	0.0200	3.5	20.0
Vinyl acetate	Ave	0.6391	0.5098		0.0160	0.0200	-20.2*	20.0
1,1-Dichloroethane	Ave	0.4744	0.4603	0.2000	0.0194	0.0200	-3.0	20.0
2-Butanone	Ave	0.0565	0.0529	0.0100	0.0374	0.0400	-6.4	50.0
cis-1,2-Dichloroethene	Ave	0.3131	0.3026	0.1000	0.0193	0.0200	-3.3	20.0
2,2-Dichloropropane	Ave	0.3243	0.3259		0.0201	0.0200	0.5	20.0
Bromochloromethane	Ave	0.2490	0.2272		0.0182	0.0200	-8.8	20.0
Tetrahydrofuran	Ave	0.1511	0.1228		0.0325	0.0400	-18.7	20.0
Chloroform	Ave	0.5001	0.5013	0.2000	0.0201	0.0200	0.3	20.0
1,1,1-Trichloroethane	Ave	0.4499	0.4588	0.1000	0.0204	0.0200	2.0	20.0
Cyclohexane	Ave	0.3665	0.4026	0.1000	0.0220	0.0200	9.8	20.0
1,1-Dichloropropene	Ave	0.3884	0.3941		0.0203	0.0200	1.5	20.0
Isobutyl alcohol	Ave	0.0204	0.0185		0.454	0.500	-9.2	20.0
Carbon tetrachloride	Ave	0.4105	0.4213	0.1000	0.0205	0.0200	2.6	20.0
Benzene	Ave	1.043	1.043	0.5000	0.0200	0.0200	0.0	20.0
1,2-Dichloroethane	Ave	0.4037	0.3822	0.1000	0.0189	0.0200	-5.3	20.0
n-Heptane	Lin1		0.1899		0.0200	0.0200	-0.1	20.0
Trichloroethene	Ave	0.3268	0.3110	0.1500	0.0190	0.0200	-4.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-496393/4 Calibration Date: 07/23/2021 15:43

Instrument ID: A3UX19 Calib Start Date: 07/10/2021 14:02

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/10/2021 16:37

Lab File ID: U1923143.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	0.4209	0.4490	0.1000	0.0213	0.0200	6.7	20.0
1,2-Dichloropropane	Ave	0.2560	0.2415	0.1000	0.0189	0.0200	-5.7	20.0
1,4-Dioxane	Ave	0.0047	0.0047		0.404	0.400	1.1	50.0
Dibromomethane	Ave	0.2338	0.2013		0.0172	0.0200	-13.9	20.0
Bromodichloromethane	Ave	0.3738	0.3466	0.1500	0.0185	0.0200	-7.3	20.0
2-Chloroethyl vinyl ether	Ave	0.1938	0.1717		0.0354	0.0400	-11.4	20.0
cis-1,3-Dichloropropene	Ave	0.4394	0.3768	0.1500	0.0172	0.0200	-14.2	50.0
4-Methyl-2-pentanone	Ave	0.4235	0.3664	0.0500	0.0346	0.0400	-13.5	50.0
Toluene	Ave	1.410	1.503	0.4000	0.0213	0.0200	6.6	20.0
trans-1,3-Dichloropropene	Ave	0.5402	0.4870	0.1000	0.0180	0.0200	-9.9	20.0
Ethyl methacrylate	Ave	0.4769	0.4497		0.0189	0.0200	-5.7	20.0
1,1,2-Trichloroethane	Ave	0.2994	0.3172	0.1000	0.0212	0.0200	6.0	20.0
Tetrachloroethene	Ave	0.4206	0.4277	0.1500	0.0203	0.0200	1.7	20.0
1,3-Dichloropropane	Ave	0.5132	0.5358		0.0209	0.0200	4.4	20.0
2-Hexanone	Ave	0.4173	0.3805	0.0500	0.0365	0.0400	-8.8	50.0
Dibromochloromethane	Ave	0.3735	0.3509		0.0188	0.0200	-6.1	20.0
1,2-Dibromoethane	Ave	0.3506	0.3526		0.0201	0.0200	0.6	20.0
Chlorobenzene	Ave	0.9300	0.9491	0.3000	0.0204	0.0200	2.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3644	0.3577		0.0196	0.0200	-1.8	20.0
Ethylbenzene	Ave	0.5052	0.5311		0.0210	0.0200	5.1	20.0
m-Xylene & p-Xylene	Ave	0.6144	0.6509		0.0212	0.0200	5.9	20.0
o-Xylene	Ave	0.5999	0.6214		0.0207	0.0200	3.6	20.0
Styrene	Ave	0.9748	0.9744	0.3000	0.0200	0.0200	-0.0	20.0
Bromoform	Ave	0.3022	0.2568	0.1000	0.0170	0.0200	-15.0	20.0
Isopropylbenzene	Ave	1.536	1.658	0.1000	0.0216	0.0200	8.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8537	0.9552	0.3000	0.0224	0.0200	11.9	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3313	0.2521		0.0152	0.0200	-23.9*	20.0
Bromobenzene	Ave	0.7625	0.7879		0.0207	0.0200	3.3	20.0
1,2,3-Trichloropropane	Ave	0.3113	0.3366		0.0216	0.0200	8.1	20.0
n-Propylbenzene	Ave	0.7745	0.8459		0.0218	0.0200	9.2	20.0
2-Chlorotoluene	Ave	0.6710	0.7293		0.0217	0.0200	8.7	20.0
1,3,5-Trimethylbenzene	Ave	2.245	2.463		0.0219	0.0200	9.7	20.0
4-Chlorotoluene	Ave	0.7141	0.7609		0.0213	0.0200	6.6	20.0
tert-Butylbenzene	Ave	1.954	2.169		0.0222	0.0200	11.0	20.0
1,2,4-Trimethylbenzene	Ave	2.283	2.509		0.0220	0.0200	9.9	20.0
sec-Butylbenzene	Ave	2.725	3.091		0.0227	0.0200	13.4	20.0
1,3-Dichlorobenzene	Ave	1.413	1.468	0.6000	0.0208	0.0200	3.9	20.0
p-Isopropyltoluene	Ave	2.414	2.630		0.0218	0.0200	9.0	20.0
1,4-Dichlorobenzene	Ave	1.445	1.466	0.5000	0.0203	0.0200	1.5	20.0
n-Butylbenzene	Ave	2.071	2.303		0.0222	0.0200	11.2	20.0
1,2-Dichlorobenzene	Ave	1.346	1.408	0.4000	0.0209	0.0200	4.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-496393/4 Calibration Date: 07/23/2021 15:43

Instrument ID: A3UX19 Calib Start Date: 07/10/2021 14:02

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/10/2021 16:37

Lab File ID: U1923143.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	0.2923	0.2660	0.0500	0.0182	0.0200	-9.0	50.0
1,2,4-Trichlorobenzene	Ave	0.9320	0.8308	0.2000	0.0178	0.0200	-10.9	50.0
Hexachlorobutadiene	Ave	0.3858	0.3004		0.0156	0.0200	-22.1	50.0
Naphthalene	Ave	3.033	2.902		0.0191	0.0200	-4.3	50.0
1,2,3-Trichlorobenzene	Ave	0.8790	0.7859		0.0179	0.0200	-10.6	20.0
Dibromofluoromethane (Surr)	Ave	0.2834	0.2761		0.0195	0.0200	-2.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3362	0.3157		0.0188	0.0200	-6.1	20.0
Toluene-d8 (Surr)	Ave	1.209	1.284		0.0212	0.0200	6.2	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4458	0.4965		0.0223	0.0200	11.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-490967/15 Calibration Date: 06/16/2021 17:24

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 14:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 17:01

Lab File ID: UX996084.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	0.4109	0.4434	0.1000	0.0216	0.0200	7.9	30.0
Chloromethane	Ave	0.3997	0.4282	0.1000	0.0214	0.0200	7.1	30.0
Vinyl chloride	Ave	0.4022	0.4597	0.1000	0.0229	0.0200	14.3	30.0
Butadiene	Ave	0.3672	0.3817		0.0208	0.0200	3.9	30.0
Bromomethane	Ave	0.3214	0.3292	0.0500	0.0205	0.0200	2.4	30.0
Chloroethane	Ave	0.2943	0.3017	0.0500	0.0205	0.0200	2.5	30.0
Dichlorofluoromethane	Ave	0.6144	0.6423		0.0209	0.0200	4.5	30.0
Trichlorofluoromethane	Ave	0.5841	0.6313	0.1000	0.0216	0.0200	8.1	30.0
Ethyl ether	Ave	0.2790	0.2994		0.0215	0.0200	7.3	30.0
Acrolein	Ave	0.0160	0.0273		0.171	0.100	70.6*	30.0
1,1-Dichloroethene	Ave	0.4857	0.5399	0.1000	0.0222	0.0200	11.2	30.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.3622	0.3608	0.0500	0.0199	0.0200	-0.4	30.0
Acetone	Ave	0.0513	0.0470	0.0100	0.0366	0.0400	-8.5	50.0
Iodomethane	Ave	0.3780	0.3902		0.0206	0.0200	3.2	30.0
Carbon disulfide	Ave	0.9625	1.008	0.1000	0.0210	0.0200	4.8	30.0
3-Chloro-1-propene	Ave	0.5312	0.5151		0.0194	0.0200	-3.0	30.0
Methyl acetate	Ave	0.3416	0.3488	0.1000	0.0408	0.0400	2.1	50.0
Methylene Chloride	Ave	0.4433	0.4363	0.1000	0.0197	0.0200	-1.6	50.0
tert-Butyl alcohol	Ave	0.0626	0.0670		0.214	0.200	7.1	30.0
Acrylonitrile	Ave	0.1798	0.1856		0.206	0.200	3.2	30.0
Methyl tert-butyl ether	Ave	1.171	1.192	0.1000	0.0204	0.0200	1.8	30.0
trans-1,2-Dichloroethene	Ave	0.4550	0.4900	0.1000	0.0215	0.0200	7.7	30.0
Hexane	Ave	0.4759	0.4991		0.0210	0.0200	4.9	30.0
1,1-Dichloroethane	Ave	0.6275	0.6361	0.2000	0.0203	0.0200	1.4	30.0
Vinyl acetate	Ave	0.8216	0.7635		0.0186	0.0200	-7.1	30.0
2,2-Dichloropropane	Ave	0.6269	0.6374		0.0203	0.0200	1.7	30.0
2-Butanone	Ave	0.0664	0.0682	0.0100	0.0411	0.0400	2.7	50.0
cis-1,2-Dichloroethene	Ave	0.3903	0.4152	0.1000	0.0213	0.0200	6.4	30.0
Bromochloromethane	Ave	0.2637	0.2581		0.0196	0.0200	-2.1	30.0
Tetrahydrofuran	Ave	0.1536	0.1555		0.0405	0.0400	1.2	30.0
Chloroform	Ave	0.6311	0.6469	0.2000	0.0205	0.0200	2.5	30.0
1,1,1-Trichloroethane	Ave	0.6119	0.6332	0.1000	0.0207	0.0200	3.5	30.0
Cyclohexane	Ave	0.6054	0.6256	0.1000	0.0207	0.0200	3.3	30.0
1,1-Dichloropropene	Ave	0.4952	0.5098		0.0206	0.0200	3.0	30.0
Carbon tetrachloride	Ave	0.5296	0.5440	0.1000	0.0205	0.0200	2.7	30.0
Isobutyl alcohol	Ave	0.0174	0.0177		0.507	0.500	1.3	30.0
1,2-Dichloroethane	Ave	0.4809	0.4880	0.1000	0.0203	0.0200	1.5	30.0
Benzene	Ave	1.404	1.421	0.5000	0.0203	0.0200	1.3	30.0
n-Heptane	Ave	0.3315	0.3051		0.0184	0.0200	-8.0	30.0
Trichloroethene	Ave	0.3887	0.4012	0.1500	0.0206	0.0200	3.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-490967/15 Calibration Date: 06/16/2021 17:24

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 14:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 17:01

Lab File ID: UX996084.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-Dichloropropane	Ave	0.3326	0.3462	0.1000	0.0208	0.0200	4.1	30.0
Methylcyclohexane	Ave	0.6367	0.6460	0.1000	0.0203	0.0200	1.5	30.0
Dibromomethane	Ave	0.2323	0.2362		0.0203	0.0200	1.7	30.0
1,4-Dioxane	Ave	0.0061	0.0063		0.415	0.400	3.7	50.0
Bromodichloromethane	Ave	0.4861	0.4945	0.1500	0.0203	0.0200	1.7	30.0
2-Chloroethyl vinyl ether	Ave	0.2220	0.2383		0.0215	0.0200	7.4	30.0
cis-1,3-Dichloropropene	Ave	0.5098	0.5040	0.1500	0.0198	0.0200	-1.1	50.0
4-Methyl-2-pentanone	Ave	0.4546	0.4685	0.0500	0.0412	0.0400	3.1	50.0
Toluene	Ave	2.025	2.121	0.4000	0.0209	0.0200	4.7	30.0
trans-1,3-Dichloropropene	Ave	0.6121	0.5824	0.1000	0.0190	0.0200	-4.8	30.0
Ethyl methacrylate	Ave	0.6846	0.6882		0.0201	0.0200	0.5	30.0
1,1,2-Trichloroethane	Ave	0.4377	0.4462	0.1000	0.0204	0.0200	1.9	30.0
1,3-Dichloropropane	Ave	0.7397	0.7468		0.0202	0.0200	1.0	30.0
Tetrachloroethene	Ave	0.5449	0.5592	0.1500	0.0205	0.0200	2.6	30.0
2-Hexanone	Ave	0.4314	0.4667	0.0500	0.0433	0.0400	8.2	50.0
Dibromochloromethane	Ave	0.4855	0.5039		0.0208	0.0200	3.8	30.0
1,2-Dibromoethane	Ave	0.4318	0.4213		0.0195	0.0200	-2.4	30.0
Chlorobenzene	Ave	1.319	1.335	0.3000	0.0202	0.0200	1.2	30.0
1,1,1,2-Tetrachloroethane	Ave	0.5112	0.5168		0.0202	0.0200	1.1	30.0
Ethylbenzene	Ave	0.7770	0.7891		0.0203	0.0200	1.6	30.0
m-Xylene & p-Xylene	Ave	0.9652	0.9846		0.0204	0.0200	2.0	30.0
o-Xylene	Ave	0.9374	0.9545		0.0204	0.0200	1.8	30.0
Styrene	Ave	1.384	1.442	0.3000	0.0208	0.0200	4.2	30.0
Bromoform	Ave	0.3646	0.3733	0.1000	0.0205	0.0200	2.4	30.0
Isopropylbenzene	Ave	2.439	2.515	0.1000	0.0206	0.0200	3.1	30.0
1,1,2,2-Tetrachloroethane	Ave	1.175	1.207	0.3000	0.0206	0.0200	2.8	30.0
Bromobenzene	Ave	1.050	1.072		0.0204	0.0200	2.1	30.0
1,2,3-Trichloropropane	Ave	0.4667	0.4805		0.0206	0.0200	3.0	30.0
trans-1,4-Dichloro-2-butene	Ave	0.3619	0.3808		0.0210	0.0200	5.2	30.0
n-Propylbenzene	Ave	1.241	1.285		0.0207	0.0200	3.5	30.0
2-Chlorotoluene	Ave	1.038	1.070		0.0206	0.0200	3.0	30.0
1,3,5-Trimethylbenzene	Ave	3.618	3.693		0.0204	0.0200	2.1	30.0
4-Chlorotoluene	Ave	1.072	1.093		0.0204	0.0200	2.0	30.0
tert-Butylbenzene	Ave	3.483	3.748		0.0215	0.0200	7.6	30.0
1,2,4-Trimethylbenzene	Ave	3.610	3.744		0.0207	0.0200	3.7	30.0
sec-Butylbenzene	Ave	0.996	1.028		0.0207	0.0200	3.3	30.0
1,3-Dichlorobenzene	Ave	2.031	2.080	0.6000	0.0205	0.0200	2.4	30.0
p-Isopropyltoluene	Ave	3.892	4.029		0.0207	0.0200	3.5	30.0
1,4-Dichlorobenzene	Ave	2.056	2.088	0.5000	0.0203	0.0200	1.6	30.0
n-Butylbenzene	Ave	3.146	3.245		0.0206	0.0200	3.1	30.0
1,2-Dichlorobenzene	Ave	1.937	1.919	0.4000	0.0198	0.0200	-1.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-490967/15 Calibration Date: 06/16/2021 17:24

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 14:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 17:01

Lab File ID: UX996084.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	0.3348	0.3464	0.0500	0.0207	0.0200	3.5	50.0
1,2,4-Trichlorobenzene	Ave	1.173	1.233	0.2000	0.0210	0.0200	5.1	50.0
Hexachlorobutadiene	Ave	0.4531	0.4838		0.0214	0.0200	6.8	50.0
Naphthalene	Ave	3.910	4.152		0.0212	0.0200	6.2	50.0
1,2,3-Trichlorobenzene	Ave	1.097	1.183		0.0216	0.0200	7.8	30.0
Dibromofluoromethane (Surr)	Ave	0.3322	0.3355		0.0202	0.0200	1.0	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3790	0.3882		0.0205	0.0200	2.4	30.0
Toluene-d8 (Surr)	Ave	1.732	1.751		0.0202	0.0200	1.1	30.0
4-Bromofluorobenzene (Surr)	Ave	0.6533	0.6508		0.0199	0.0200	-0.4	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-490967/24 Calibration Date: 06/16/2021 20:52

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 14:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 17:01

Lab File ID: UX996093.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	0.3322	0.3143		0.0189	0.0200	-5.4	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3790	0.3791		0.0200	0.0200	0.0	30.0
Toluene-d8 (Surr)	Ave	1.732	1.621		0.0187	0.0200	-6.4	30.0
4-Bromofluorobenzene (Surr)	Ave	0.6533	0.6017		0.0184	0.0200	-7.9	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-490967/24 Calibration Date: 06/16/2021 20:52

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 18:33

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 20:29

Lab File ID: UX996093.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	0.0688	0.0647		0.188	0.200	-6.0	30.0
Diisopropyl ether	Ave	0.3409	0.3300		0.0194	0.0200	-3.2	30.0
2-Chloro-1,3-butadiene	Ave	0.5261	0.4956		0.0188	0.0200	-5.8	30.0
Ethyl-t-butyl ether (ETBE)	Ave	1.110	1.092		0.0197	0.0200	-1.6	30.0
Ethyl acetate	Ave	0.4689	0.4260		0.0363	0.0400	-9.2	30.0
Propionitrile	Ave	0.0746	0.0735		0.197	0.200	-1.6	30.0
Methacrylonitrile	Ave	0.2763	0.2666		0.193	0.200	-3.5	30.0
Tert-amyl-methyl ether (TAME)	Ave	1.152	1.118		0.0194	0.0200	-2.9	30.0
n-Butanol	Ave	0.0157	0.0168		0.535	0.500	7.0	30.0
Ethyl acrylate	Ave	0.5503	0.5300		0.0193	0.0200	-3.7	30.0
Methyl methacrylate	Ave	0.3850	0.3678		0.0382	0.0400	-4.5	30.0
2-Nitropropane	Ave	0.1710	0.1561		0.0365	0.0400	-8.7	30.0
n-Butyl acetate	Ave	0.8825	0.8674		0.0197	0.0200	-1.7	30.0
1-Chlorohexane	Ave	0.7364	0.6804		0.0185	0.0200	-7.6	30.0
Cyclohexanone	Ave	0.0488	0.0486		0.199	0.200	-0.4	30.0
Pentachloroethane	Ave	0.5308	0.1586		0.0120	0.0400	-70.1*	30.0
1,2,3-Trimethylbenzene	Ave	3.646	3.595		0.0197	0.0200	-1.4	30.0
Benzyl chloride	Ave	0.5367	0.4709		0.0175	0.0200	-12.3	30.0
1,3,5-Trichlorobenzene	Ave	1.297	1.265		0.0195	0.0200	-2.5	30.0
2-Methylnaphthalene	Ave	1.414	1.581		0.0447	0.0400	11.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-495770/3 Calibration Date: 07/20/2021 10:22

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 14:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 17:01

Lab File ID: UX996998.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	0.4109	0.7498	0.1000	0.0365	0.0200	82.4*	20.0
Chloromethane	Ave	0.3997	0.5028	0.1000	0.0252	0.0200	25.8*	20.0
Vinyl chloride	Ave	0.4022	0.5314	0.1000	0.0264	0.0200	32.1*	20.0
Butadiene	Ave	0.3672	0.5149		0.0280	0.0200	40.2*	20.0
Bromomethane	Ave	0.3214	0.3344	0.0500	0.0208	0.0200	4.1	20.0
Chloroethane	Ave	0.2943	0.3364	0.0500	0.0229	0.0200	14.3	20.0
Dichlorofluoromethane	Ave	0.6144	0.7612		0.0248	0.0200	23.9*	20.0
Trichlorofluoromethane	Ave	0.5841	0.7965	0.1000	0.0273	0.0200	36.4*	20.0
Ethyl ether	Ave	0.2790	0.2787		0.0200	0.0200	-0.1	20.0
Acrolein	Ave	0.0160	0.0118		0.0739	0.100	-26.1*	20.0
1,1-Dichloroethene	Ave	0.4857	0.5348	0.1000	0.0220	0.0200	10.1	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.3622	0.3677	0.0500	0.0203	0.0200	1.5	20.0
Acetone	Ave	0.0513	0.0413	0.0100	0.0322	0.0400	-19.6	50.0
Iodomethane	Ave	0.3780	0.3776		0.0200	0.0200	-0.1	20.0
Carbon disulfide	Ave	0.9625	0.9225	0.1000	0.0192	0.0200	-4.2	20.0
3-Chloro-1-propene	Ave	0.5312	0.4957		0.0187	0.0200	-6.7	20.0
Methyl acetate	Ave	0.3416	0.3152	0.1000	0.0369	0.0400	-7.7	50.0
Methylene Chloride	Ave	0.4433	0.4539	0.1000	0.0205	0.0200	2.4	50.0
tert-Butyl alcohol	Ave	0.0626	0.0552		0.176	0.200	-11.8	20.0
Acrylonitrile	Ave	0.1798	0.1673		0.186	0.200	-6.9	20.0
Methyl tert-butyl ether	Ave	1.171	1.249	0.1000	0.0213	0.0200	6.6	20.0
trans-1,2-Dichloroethene	Ave	0.4550	0.4935	0.1000	0.0217	0.0200	8.5	20.0
Hexane	Ave	0.4759	0.5416		0.0228	0.0200	13.8	20.0
1,1-Dichloroethane	Ave	0.6275	0.6813	0.2000	0.0217	0.0200	8.6	20.0
Vinyl acetate	Ave	0.8216	0.8134		0.0198	0.0200	-1.0	20.0
2-Butanone	Ave	0.0664	0.0615	0.0100	0.0370	0.0400	-7.4	50.0
2,2-Dichloropropane	Ave	0.6269	0.7138		0.0228	0.0200	13.9	20.0
cis-1,2-Dichloroethene	Ave	0.3903	0.4154	0.1000	0.0213	0.0200	6.4	20.0
Bromochloromethane	Ave	0.2637	0.3013		0.0229	0.0200	14.3	20.0
Tetrahydrofuran	Ave	0.1536	0.1432		0.0373	0.0400	-6.8	20.0
Chloroform	Ave	0.6311	0.7145	0.2000	0.0226	0.0200	13.2	20.0
1,1,1-Trichloroethane	Ave	0.6119	0.7189	0.1000	0.0235	0.0200	17.5	20.0
Cyclohexane	Ave	0.6054	0.6803	0.1000	0.0225	0.0200	12.4	20.0
1,1-Dichloropropene	Ave	0.4952	0.5772		0.0233	0.0200	16.6	20.0
Carbon tetrachloride	Ave	0.5296	0.6169	0.1000	0.0233	0.0200	16.5	20.0
Isobutyl alcohol	Ave	0.0174	0.0158		0.452	0.500	-9.5	20.0
1,2-Dichloroethane	Ave	0.4809	0.5616	0.1000	0.0234	0.0200	16.8	20.0
Benzene	Ave	1.404	1.547	0.5000	0.0220	0.0200	10.2	20.0
n-Heptane	Ave	0.3315	0.3283		0.0198	0.0200	-1.0	20.0
Trichloroethene	Ave	0.3887	0.4405	0.1500	0.0227	0.0200	13.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-495770/3 Calibration Date: 07/20/2021 10:22

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 14:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 17:01

Lab File ID: UX996998.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	0.6367	0.7324	0.1000	0.0230	0.0200	15.0	20.0
1,2-Dichloropropane	Ave	0.3326	0.3710	0.1000	0.0223	0.0200	11.6	20.0
1,4-Dioxane	Ave	0.0061	0.0057		0.378	0.400	-5.6	50.0
Dibromomethane	Ave	0.2323	0.2567		0.0221	0.0200	10.5	20.0
Bromodichloromethane	Ave	0.4861	0.5262	0.1500	0.0217	0.0200	8.3	20.0
2-Chloroethyl vinyl ether	Ave	0.2220	0.2393		0.0431	0.0400	7.8	20.0
cis-1,3-Dichloropropene	Ave	0.5098	0.5870	0.1500	0.0230	0.0200	15.1	50.0
4-Methyl-2-pentanone	Ave	0.4546	0.4621	0.0500	0.0407	0.0400	1.6	50.0
Toluene	Ave	2.025	2.204	0.4000	0.0218	0.0200	8.9	20.0
trans-1,3-Dichloropropene	Ave	0.6121	0.6746	0.1000	0.0220	0.0200	10.2	20.0
Ethyl methacrylate	Ave	0.6846	0.7065		0.0206	0.0200	3.2	20.0
1,1,2-Trichloroethane	Ave	0.4377	0.4466	0.1000	0.0204	0.0200	2.0	20.0
1,3-Dichloropropane	Ave	0.7397	0.7656		0.0207	0.0200	3.5	20.0
Tetrachloroethene	Ave	0.5449	0.5685	0.1500	0.0209	0.0200	4.3	20.0
2-Hexanone	Ave	0.4314	0.3968	0.0500	0.0368	0.0400	-8.0	50.0
Dibromochloromethane	Ave	0.4855	0.4831		0.0199	0.0200	-0.5	20.0
1,2-Dibromoethane	Ave	0.4318	0.4513		0.0209	0.0200	4.5	20.0
Chlorobenzene	Ave	1.319	1.384	0.3000	0.0210	0.0200	4.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5112	0.5224		0.0204	0.0200	2.2	20.0
Ethylbenzene	Ave	0.7770	0.8203		0.0211	0.0200	5.6	20.0
m-Xylene & p-Xylene	Ave	0.9652	1.013		0.0210	0.0200	4.9	20.0
o-Xylene	Ave	0.9374	0.9726		0.0208	0.0200	3.8	20.0
Styrene	Ave	1.384	1.584	0.3000	0.0229	0.0200	14.5	20.0
Bromoform	Ave	0.3646	0.3301	0.1000	0.0181	0.0200	-9.5	20.0
Isopropylbenzene	Ave	2.439	2.564	0.1000	0.0210	0.0200	5.1	20.0
1,1,2,2-Tetrachloroethane	Ave	1.175	1.078	0.3000	0.0184	0.0200	-8.2	20.0
Bromobenzene	Ave	1.050	1.000		0.0190	0.0200	-4.8	20.0
1,2,3-Trichloropropane	Ave	0.4667	0.4349		0.0186	0.0200	-6.8	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3619	0.3745		0.0207	0.0200	3.5	20.0
n-Propylbenzene	Ave	1.241	1.246		0.0201	0.0200	0.4	20.0
2-Chlorotoluene	Ave	1.038	1.022		0.0197	0.0200	-1.6	20.0
1,3,5-Trimethylbenzene	Ave	3.618	3.593		0.0199	0.0200	-0.7	20.0
4-Chlorotoluene	Ave	1.072	1.084		0.0202	0.0200	1.2	20.0
tert-Butylbenzene	Ave	3.483	3.424		0.0197	0.0200	-1.7	20.0
1,2,4-Trimethylbenzene	Ave	3.610	3.638		0.0202	0.0200	0.8	20.0
sec-Butylbenzene	Ave	0.996	0.9944		0.0200	0.0200	-0.1	20.0
1,3-Dichlorobenzene	Ave	2.031	1.979	0.6000	0.0195	0.0200	-2.6	20.0
p-Isopropyltoluene	Ave	3.892	3.925		0.0202	0.0200	0.9	20.0
1,4-Dichlorobenzene	Ave	2.056	2.015	0.5000	0.0196	0.0200	-2.0	20.0
n-Butylbenzene	Ave	3.146	3.161		0.0201	0.0200	0.5	20.0
1,2-Dichlorobenzene	Ave	1.937	1.879	0.4000	0.0194	0.0200	-3.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-495770/3 Calibration Date: 07/20/2021 10:22

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 14:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 17:01

Lab File ID: UX996998.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	0.3348	0.2585	0.0500	0.0154	0.0200	-22.8	50.0
1,2,4-Trichlorobenzene	Ave	1.173	1.034	0.2000	0.0176	0.0200	-11.9	50.0
Hexachlorobutadiene	Ave	0.4531	0.3725		0.0164	0.0200	-17.8	50.0
Naphthalene	Ave	3.910	3.096		0.0158	0.0200	-20.8	50.0
1,2,3-Trichlorobenzene	Ave	1.097	0.9449		0.0172	0.0200	-13.9	20.0
Dibromofluoromethane (Surr)	Ave	0.3322	0.3346		0.0164	0.0163	0.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3790	0.3756		0.0162	0.0163	-0.9	20.0
Toluene-d8 (Surr)	Ave	1.732	1.733		0.0163	0.0163	0.0	20.0
4-Bromofluorobenzene (Surr)	Ave	0.6533	0.6836		0.0171	0.0163	4.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCV 240-495770/4 Calibration Date: 07/20/2021 10:45

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 18:33

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 20:29

Lab File ID: UX996999.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	0.0688	0.0630		0.183	0.200	-8.5	20.0
Diisopropyl ether	Ave	0.3409	0.3443		0.0202	0.0200	1.0	20.0
2-Chloro-1,3-butadiene	Ave	0.5261	0.5859		0.0223	0.0200	11.4	20.0
Ethyl-t-butyl ether (ETBE)	Ave	1.110	1.148		0.0207	0.0200	3.5	20.0
Ethyl acetate	Ave	0.4689	0.4645		0.0396	0.0400	-0.9	20.0
Propionitrile	Ave	0.0746	0.0708		0.190	0.200	-5.1	20.0
Methacrylonitrile	Ave	0.2763	0.2780		0.201	0.200	0.6	20.0
Tert-amyl-methyl ether (TAME)	Ave	1.152	1.222		0.0212	0.0200	6.1	20.0
n-Butanol	Ave	0.0157	0.0148		0.473	0.500	-5.4	20.0
Ethyl acrylate	Ave	0.5503	0.5596		0.0203	0.0200	1.7	20.0
Methyl methacrylate	Ave	0.3850	0.4002		0.0416	0.0400	4.0	20.0
2-Nitropropane	Ave	0.1710	0.1626		0.0380	0.0400	-4.9	20.0
n-Butyl acetate	Ave	0.8825	0.8639		0.0196	0.0200	-2.1	20.0
1-Chlorohexane	Ave	0.7364	0.7663		0.0208	0.0200	4.1	20.0
Cyclohexanone	Ave	0.0488	0.0403		0.165	0.200	-17.3	20.0
Pentachloroethane	Ave	0.5308	0.5802		0.0437	0.0400	9.3	20.0
1,2,3-Trimethylbenzene	Ave	3.646	3.488		0.0191	0.0200	-4.3	20.0
Benzyl chloride	Ave	0.5367	0.5720		0.0213	0.0200	6.6	20.0
1,3,5-Trichlorobenzene	Ave	1.297	1.193		0.0184	0.0200	-8.0	20.0
2-Methylnaphthalene	Ave	1.414	0.9264		0.0262	0.0400	-34.5*	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-495975/3 Calibration Date: 07/21/2021 11:07

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 14:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 17:01

Lab File ID: UX997031.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	0.4109	0.7213	0.1000	0.0351	0.0200	75.5*	20.0
Chloromethane	Ave	0.3997	0.4534	0.1000	0.0227	0.0200	13.5	20.0
Vinyl chloride	Ave	0.4022	0.4716	0.1000	0.0235	0.0200	17.3	20.0
Butadiene	Ave	0.3672	0.4436		0.0242	0.0200	20.8*	20.0
Bromomethane	Ave	0.3214	0.3310	0.0500	0.0206	0.0200	3.0	20.0
Chloroethane	Ave	0.2943	0.3290	0.0500	0.0224	0.0200	11.8	20.0
Dichlorofluoromethane	Ave	0.6144	0.7784		0.0253	0.0200	26.7*	20.0
Trichlorofluoromethane	Ave	0.5841	0.8495	0.1000	0.0291	0.0200	45.4*	20.0
Ethyl ether	Ave	0.2790	0.2894		0.0207	0.0200	3.7	20.0
Acrolein	Ave	0.0160	0.0113		0.0709	0.100	-29.1*	20.0
1,1-Dichloroethene	Ave	0.4857	0.5301	0.1000	0.0218	0.0200	9.1	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.3622	0.3925	0.0500	0.0217	0.0200	8.4	20.0
Acetone	Ave	0.0513	0.0416	0.0100	0.0324	0.0400	-19.0	50.0
Iodomethane	Ave	0.3780	0.4196		0.0222	0.0200	11.0	20.0
Carbon disulfide	Ave	0.9625	0.9703	0.1000	0.0202	0.0200	0.8	20.0
3-Chloro-1-propene	Ave	0.5312	0.5045		0.0190	0.0200	-5.0	20.0
Methyl acetate	Ave	0.3416	0.3072	0.1000	0.0360	0.0400	-10.1	50.0
Methylene Chloride	Ave	0.4433	0.4558	0.1000	0.0206	0.0200	2.8	50.0
tert-Butyl alcohol	Ave	0.0626	0.0531		0.170	0.200	-15.2	20.0
Acrylonitrile	Ave	0.1798	0.1645		0.183	0.200	-8.5	20.0
Methyl tert-butyl ether	Ave	1.171	1.278	0.1000	0.0218	0.0200	9.1	20.0
trans-1,2-Dichloroethene	Ave	0.4550	0.5084	0.1000	0.0223	0.0200	11.7	20.0
Hexane	Ave	0.4759	0.5347		0.0225	0.0200	12.4	20.0
1,1-Dichloroethane	Ave	0.6275	0.6891	0.2000	0.0220	0.0200	9.8	20.0
Vinyl acetate	Ave	0.8216	0.7863		0.0191	0.0200	-4.3	20.0
2-Butanone	Ave	0.0664	0.0616	0.0100	0.0371	0.0400	-7.3	50.0
cis-1,2-Dichloroethene	Ave	0.3903	0.4399	0.1000	0.0225	0.0200	12.7	20.0
2,2-Dichloropropane	Ave	0.6269	0.7276		0.0232	0.0200	16.0	20.0
Bromochloromethane	Ave	0.2637	0.2987		0.0227	0.0200	13.3	20.0
Tetrahydrofuran	Ave	0.1536	0.1312		0.0342	0.0400	-14.6	20.0
Chloroform	Ave	0.6311	0.7322	0.2000	0.0232	0.0200	16.0	20.0
1,1,1-Trichloroethane	Ave	0.6119	0.7365	0.1000	0.0241	0.0200	20.4*	20.0
Cyclohexane	Ave	0.6054	0.6990	0.1000	0.0231	0.0200	15.5	20.0
1,1-Dichloropropene	Ave	0.4952	0.5855		0.0236	0.0200	18.2	20.0
Carbon tetrachloride	Ave	0.5296	0.6509	0.1000	0.0246	0.0200	22.9*	20.0
Isobutyl alcohol	Ave	0.0174	0.0142		0.406	0.500	-18.8	20.0
1,2-Dichloroethane	Ave	0.4809	0.5729	0.1000	0.0238	0.0200	19.1	20.0
Benzene	Ave	1.404	1.574	0.5000	0.0224	0.0200	12.1	20.0
n-Heptane	Ave	0.3315	0.3281		0.0198	0.0200	-1.0	20.0
Trichloroethene	Ave	0.3887	0.4661	0.1500	0.0240	0.0200	19.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-495975/3 Calibration Date: 07/21/2021 11:07

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 14:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 17:01

Lab File ID: UX997031.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	0.6367	0.7436	0.1000	0.0234	0.0200	16.8	20.0
1,2-Dichloropropane	Ave	0.3326	0.3709	0.1000	0.0223	0.0200	11.5	20.0
1,4-Dioxane	Ave	0.0061	0.0061		0.400	0.400	0.0	50.0
Dibromomethane	Ave	0.2323	0.2658		0.0229	0.0200	14.4	20.0
Bromodichloromethane	Ave	0.4861	0.5572	0.1500	0.0229	0.0200	14.6	20.0
2-Chloroethyl vinyl ether	Ave	0.2220	0.2403		0.0433	0.0400	8.2	20.0
cis-1,3-Dichloropropene	Ave	0.5098	0.6057	0.1500	0.0238	0.0200	18.8	50.0
4-Methyl-2-pentanone	Ave	0.4546	0.4388	0.0500	0.0386	0.0400	-3.5	50.0
Toluene	Ave	2.025	2.201	0.4000	0.0217	0.0200	8.7	20.0
trans-1,3-Dichloropropene	Ave	0.6121	0.6662	0.1000	0.0218	0.0200	8.8	20.0
Ethyl methacrylate	Ave	0.6846	0.6911		0.0202	0.0200	1.0	20.0
1,1,2-Trichloroethane	Ave	0.4377	0.4469	0.1000	0.0204	0.0200	2.1	20.0
1,3-Dichloropropane	Ave	0.7397	0.7756		0.0210	0.0200	4.9	20.0
Tetrachloroethene	Ave	0.5449	0.5781	0.1500	0.0212	0.0200	6.1	20.0
2-Hexanone	Ave	0.4314	0.3648	0.0500	0.0338	0.0400	-15.4	50.0
Dibromochloromethane	Ave	0.4855	0.4960		0.0204	0.0200	2.2	20.0
1,2-Dibromoethane	Ave	0.4318	0.4615		0.0214	0.0200	6.9	20.0
Chlorobenzene	Ave	1.319	1.426	0.3000	0.0216	0.0200	8.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5112	0.5518		0.0216	0.0200	7.9	20.0
Ethylbenzene	Ave	0.7770	0.8291		0.0213	0.0200	6.7	20.0
m-Xylene & p-Xylene	Ave	0.9652	1.039		0.0215	0.0200	7.7	20.0
o-Xylene	Ave	0.9374	0.9848		0.0210	0.0200	5.1	20.0
Styrene	Ave	1.384	1.617	0.3000	0.0234	0.0200	16.9	20.0
Bromoform	Ave	0.3646	0.3390	0.1000	0.0186	0.0200	-7.0	20.0
Isopropylbenzene	Ave	2.439	2.588	0.1000	0.0212	0.0200	6.1	20.0
1,1,2,2-Tetrachloroethane	Ave	1.175	1.140	0.3000	0.0194	0.0200	-3.0	20.0
1,2,3-Trichloropropane	Ave	0.4667	0.4463		0.0191	0.0200	-4.4	20.0
Bromobenzene	Ave	1.050	1.121		0.0214	0.0200	6.8	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3619	0.3635		0.0201	0.0200	0.4	20.0
n-Propylbenzene	Ave	1.241	1.352		0.0218	0.0200	8.9	20.0
2-Chlorotoluene	Ave	1.038	1.120		0.0216	0.0200	7.8	20.0
1,3,5-Trimethylbenzene	Ave	3.618	3.798		0.0210	0.0200	5.0	20.0
4-Chlorotoluene	Ave	1.072	1.138		0.0212	0.0200	6.2	20.0
tert-Butylbenzene	Ave	3.483	3.614		0.0208	0.0200	3.8	20.0
1,2,4-Trimethylbenzene	Ave	3.610	3.862		0.0214	0.0200	7.0	20.0
sec-Butylbenzene	Ave	0.996	1.060		0.0213	0.0200	6.5	20.0
1,3-Dichlorobenzene	Ave	2.031	2.127	0.6000	0.0209	0.0200	4.7	20.0
p-Isopropyltoluene	Ave	3.892	4.157		0.0214	0.0200	6.8	20.0
1,4-Dichlorobenzene	Ave	2.056	2.158	0.5000	0.0210	0.0200	5.0	20.0
n-Butylbenzene	Ave	3.146	3.332		0.0212	0.0200	5.9	20.0
1,2-Dichlorobenzene	Ave	1.937	1.991	0.4000	0.0206	0.0200	2.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-495975/3 Calibration Date: 07/21/2021 11:07

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 14:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 17:01

Lab File ID: UX997031.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	0.3348	0.2632	0.0500	0.0157	0.0200	-21.4	50.0
1,2,4-Trichlorobenzene	Ave	1.173	1.121	0.2000	0.0191	0.0200	-4.5	50.0
Hexachlorobutadiene	Ave	0.4531	0.4233		0.0187	0.0200	-6.6	50.0
Naphthalene	Ave	3.910	3.223		0.0165	0.0200	-17.6	50.0
1,2,3-Trichlorobenzene	Ave	1.097	1.004		0.0183	0.0200	-8.5	20.0
Dibromofluoromethane (Surr)	Ave	0.3322	0.3519		0.0173	0.0163	5.9	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3790	0.3816		0.0164	0.0163	0.7	20.0
Toluene-d8 (Surr)	Ave	1.732	1.765		0.0166	0.0163	1.9	20.0
4-Bromofluorobenzene (Surr)	Ave	0.6533	0.6961		0.0174	0.0163	6.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCV 240-495975/4 Calibration Date: 07/21/2021 11:30

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 18:33

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 20:29

Lab File ID: UX997032.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	0.0688	0.0602		0.175	0.200	-12.5	20.0
Diisopropyl ether	Ave	0.3409	0.3650		0.0214	0.0200	7.1	20.0
2-Chloro-1,3-butadiene	Ave	0.5261	0.6008		0.0228	0.0200	14.2	20.0
Ethyl-t-butyl ether (ETBE)	Ave	1.110	1.161		0.0209	0.0200	4.6	20.0
Ethyl acetate	Ave	0.4689	0.4434		0.0378	0.0400	-5.5	20.0
Propionitrile	Ave	0.0746	0.0694		0.186	0.200	-7.0	20.0
Methacrylonitrile	Ave	0.2763	0.2619		0.190	0.200	-5.2	20.0
Tert-amyl-methyl ether (TAME)	Ave	1.152	1.240		0.0215	0.0200	7.7	20.0
n-Butanol	Ave	0.0157	0.0146		0.466	0.500	-6.8	20.0
Ethyl acrylate	Ave	0.5503	0.5370		0.0195	0.0200	-2.4	20.0
Methyl methacrylate	Ave	0.3850	0.3826		0.0398	0.0400	-0.6	20.0
2-Nitropropane	Ave	0.1710	0.1508		0.0353	0.0400	-11.8	20.0
n-Butyl acetate	Ave	0.8825	0.7879		0.0179	0.0200	-10.7	20.0
1-Chlorohexane	Ave	0.7364	0.7687		0.0209	0.0200	4.4	20.0
Cyclohexanone	Ave	0.0488	0.0411		0.169	0.200	-15.7	20.0
Pentachloroethane	Ave	0.5308	0.6308		0.0475	0.0400	18.8	20.0
1,2,3-Trimethylbenzene	Ave	3.646	3.766		0.0207	0.0200	3.3	20.0
Benzyl chloride	Ave	0.5367	0.5909		0.0220	0.0200	10.1	20.0
1,3,5-Trichlorobenzene	Ave	1.297	1.325		0.0204	0.0200	2.1	20.0
2-Methylnaphthalene	Ave	1.414	1.011		0.0286	0.0400	-28.5*	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-496159/3 Calibration Date: 07/22/2021 11:07

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 14:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 17:01

Lab File ID: UX997063.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	0.4109	0.6533	0.1000	0.0318	0.0200	59.0*	20.0
Chloromethane	Ave	0.3997	0.4039	0.1000	0.0202	0.0200	1.1	20.0
Vinyl chloride	Ave	0.4022	0.4243	0.1000	0.0211	0.0200	5.5	20.0
Butadiene	Ave	0.3672	0.3962		0.0216	0.0200	7.9	20.0
Bromomethane	Ave	0.3214	0.2915	0.0500	0.0181	0.0200	-9.3	20.0
Chloroethane	Ave	0.2943	0.2941	0.0500	0.0200	0.0200	-0.0	20.0
Dichlorofluoromethane	Ave	0.6144	0.7166		0.0233	0.0200	16.6	20.0
Trichlorofluoromethane	Ave	0.5841	0.7809	0.1000	0.0267	0.0200	33.7*	20.0
Ethyl ether	Ave	0.2790	0.2551		0.0183	0.0200	-8.6	20.0
Acrolein	Ave	0.0160	0.0097		0.0608	0.100	-39.2*	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.3622	0.3708	0.0500	0.0205	0.0200	2.4	20.0
1,1-Dichloroethene	Ave	0.4857	0.4981	0.1000	0.0205	0.0200	2.6	20.0
Acetone	Ave	0.0513	0.0334	0.0100	0.0260	0.0400	-34.9	50.0
Iodomethane	Ave	0.3780	0.4368		0.0231	0.0200	15.6	20.0
Carbon disulfide	Ave	0.9625	0.8841	0.1000	0.0184	0.0200	-8.1	20.0
3-Chloro-1-propene	Ave	0.5312	0.4514		0.0170	0.0200	-15.0	20.0
Methyl acetate	Ave	0.3416	0.2453	0.1000	0.0287	0.0400	-28.2	50.0
Methylene Chloride	Ave	0.4433	0.3993	0.1000	0.0180	0.0200	-9.9	50.0
tert-Butyl alcohol	Ave	0.0626	0.0389		0.124	0.200	-37.9*	20.0
Acrylonitrile	Ave	0.1798	0.1342		0.149	0.200	-25.3*	20.0
Methyl tert-butyl ether	Ave	1.171	1.129	0.1000	0.0193	0.0200	-3.6	20.0
trans-1,2-Dichloroethene	Ave	0.4550	0.4680	0.1000	0.0206	0.0200	2.8	20.0
Hexane	Ave	0.4759	0.5017		0.0211	0.0200	5.4	20.0
1,1-Dichloroethane	Ave	0.6275	0.6245	0.2000	0.0199	0.0200	-0.5	20.0
Vinyl acetate	Ave	0.8216	0.6425		0.0156	0.0200	-21.8*	20.0
2-Butanone	Ave	0.0664	0.0480	0.0100	0.0289	0.0400	-27.8	50.0
cis-1,2-Dichloroethene	Ave	0.3903	0.4105	0.1000	0.0210	0.0200	5.2	20.0
2,2-Dichloropropane	Ave	0.6269	0.6733		0.0215	0.0200	7.4	20.0
Bromochloromethane	Ave	0.2637	0.2712		0.0206	0.0200	2.8	20.0
Tetrahydrofuran	Ave	0.1536	0.1018		0.0265	0.0400	-33.7*	20.0
Chloroform	Ave	0.6311	0.6683	0.2000	0.0212	0.0200	5.9	20.0
1,1,1-Trichloroethane	Ave	0.6119	0.6883	0.1000	0.0225	0.0200	12.5	20.0
Cyclohexane	Ave	0.6054	0.6614	0.1000	0.0219	0.0200	9.3	20.0
1,1-Dichloropropene	Ave	0.4952	0.5388		0.0218	0.0200	8.8	20.0
Carbon tetrachloride	Ave	0.5296	0.6063	0.1000	0.0229	0.0200	14.5	20.0
Isobutyl alcohol	Ave	0.0174	0.0104		0.299	0.500	-40.1*	20.0
1,2-Dichloroethane	Ave	0.4809	0.5094	0.1000	0.0212	0.0200	5.9	20.0
Benzene	Ave	1.404	1.466	0.5000	0.0209	0.0200	4.5	20.0
n-Heptane	Ave	0.3315	0.3068		0.0185	0.0200	-7.4	20.0
Trichloroethene	Ave	0.3887	0.4390	0.1500	0.0226	0.0200	12.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-496159/3 Calibration Date: 07/22/2021 11:07

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 14:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 17:01

Lab File ID: UX997063.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	0.6367	0.6938	0.1000	0.0218	0.0200	9.0	20.0
1,2-Dichloropropane	Ave	0.3326	0.3359	0.1000	0.0202	0.0200	1.0	20.0
1,4-Dioxane	Ave	0.0061	0.0047		0.311	0.400	-22.3	50.0
Dibromomethane	Ave	0.2323	0.2446		0.0211	0.0200	5.3	20.0
Bromodichloromethane	Ave	0.4861	0.4968	0.1500	0.0204	0.0200	2.2	20.0
2-Chloroethyl vinyl ether	Ave	0.2220	0.2040		0.0368	0.0400	-8.1	20.0
cis-1,3-Dichloropropene	Ave	0.5098	0.5401	0.1500	0.0212	0.0200	5.9	50.0
4-Methyl-2-pentanone	Ave	0.4546	0.3355	0.0500	0.0295	0.0400	-26.2	50.0
Toluene	Ave	2.025	2.065	0.4000	0.0204	0.0200	2.0	20.0
trans-1,3-Dichloropropene	Ave	0.6121	0.6074	0.1000	0.0198	0.0200	-0.8	20.0
Ethyl methacrylate	Ave	0.6846	0.5877		0.0172	0.0200	-14.1	20.0
1,1,2-Trichloroethane	Ave	0.4377	0.4090	0.1000	0.0187	0.0200	-6.6	20.0
1,3-Dichloropropane	Ave	0.7397	0.7044		0.0190	0.0200	-4.8	20.0
Tetrachloroethene	Ave	0.5449	0.5602	0.1500	0.0206	0.0200	2.8	20.0
2-Hexanone	Ave	0.4314	0.2768	0.0500	0.0257	0.0400	-35.8	50.0
Dibromochloromethane	Ave	0.4855	0.4576		0.0188	0.0200	-5.8	20.0
1,2-Dibromoethane	Ave	0.4318	0.4123		0.0191	0.0200	-4.5	20.0
Chlorobenzene	Ave	1.319	1.329	0.3000	0.0201	0.0200	0.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5112	0.5063		0.0198	0.0200	-1.0	20.0
Ethylbenzene	Ave	0.7770	0.7741		0.0199	0.0200	-0.4	20.0
m-Xylene & p-Xylene	Ave	0.9652	0.9645		0.0200	0.0200	-0.0	20.0
o-Xylene	Ave	0.9374	0.9201		0.0196	0.0200	-1.9	20.0
Styrene	Ave	1.384	1.488	0.3000	0.0215	0.0200	7.5	20.0
Bromoform	Ave	0.3646	0.2996	0.1000	0.0164	0.0200	-17.8	20.0
Isopropylbenzene	Ave	2.439	2.451	0.1000	0.0201	0.0200	0.5	20.0
1,1,2,2-Tetrachloroethane	Ave	1.175	0.9620	0.3000	0.0164	0.0200	-18.1	20.0
Bromobenzene	Ave	1.050	1.038		0.0198	0.0200	-1.1	20.0
1,2,3-Trichloropropane	Ave	0.4667	0.3846		0.0165	0.0200	-17.6	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3619	0.2940		0.0162	0.0200	-18.8	20.0
n-Propylbenzene	Ave	1.241	1.261		0.0203	0.0200	1.6	20.0
2-Chlorotoluene	Ave	1.038	1.047		0.0202	0.0200	0.9	20.0
1,3,5-Trimethylbenzene	Ave	3.618	3.522		0.0195	0.0200	-2.7	20.0
4-Chlorotoluene	Ave	1.072	1.061		0.0198	0.0200	-1.0	20.0
tert-Butylbenzene	Ave	3.483	3.610		0.0207	0.0200	3.6	20.0
1,2,4-Trimethylbenzene	Ave	3.610	3.540		0.0196	0.0200	-1.9	20.0
sec-Butylbenzene	Ave	0.996	1.001		0.0201	0.0200	0.5	20.0
1,3-Dichlorobenzene	Ave	2.031	1.971	0.6000	0.0194	0.0200	-3.0	20.0
p-Isopropyltoluene	Ave	3.892	3.825		0.0197	0.0200	-1.7	20.0
1,4-Dichlorobenzene	Ave	2.056	2.012	0.5000	0.0196	0.0200	-2.1	20.0
n-Butylbenzene	Ave	3.146	3.112		0.0198	0.0200	-1.1	20.0
1,2-Dichlorobenzene	Ave	1.937	1.865	0.4000	0.0192	0.0200	-3.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-496159/3 Calibration Date: 07/22/2021 11:07

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 14:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 17:01

Lab File ID: UX997063.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	0.3348	0.2082	0.0500	0.0124	0.0200	-37.8	50.0
1,2,4-Trichlorobenzene	Ave	1.173	1.020	0.2000	0.0174	0.0200	-13.1	50.0
Hexachlorobutadiene	Ave	0.4531	0.3868		0.0171	0.0200	-14.6	50.0
Naphthalene	Ave	3.910	2.618		0.0134	0.0200	-33.0	50.0
1,2,3-Trichlorobenzene	Ave	1.097	0.8857		0.0161	0.0200	-19.3	20.0
Dibromofluoromethane (Surr)	Ave	0.3322	0.3240		0.0159	0.0163	-2.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3790	0.3310		0.0143	0.0163	-12.6	20.0
Toluene-d8 (Surr)	Ave	1.732	1.690		0.0159	0.0163	-2.4	20.0
4-Bromofluorobenzene (Surr)	Ave	0.6533	0.6514		0.0163	0.0163	-0.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCV 240-496159/4 Calibration Date: 07/22/2021 11:30

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 18:33

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 20:29

Lab File ID: UX997064.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	0.0688	0.0568		0.165	0.200	-17.4	20.0
Diisopropyl ether	Ave	0.3409	0.3704		0.0217	0.0200	8.7	20.0
2-Chloro-1,3-butadiene	Ave	0.5261	0.5906		0.0225	0.0200	12.3	20.0
Ethyl-t-butyl ether (ETBE)	Ave	1.110	1.137		0.0205	0.0200	2.5	20.0
Ethyl acetate	Ave	0.4689	0.4178		0.0356	0.0400	-10.9	20.0
Propionitrile	Ave	0.0746	0.0658		0.176	0.200	-11.9	20.0
Methacrylonitrile	Ave	0.2763	0.2523		0.183	0.200	-8.7	20.0
Tert-amyl-methyl ether (TAME)	Ave	1.152	1.229		0.0213	0.0200	6.7	20.0
n-Butanol	Ave	0.0157	0.0138		0.439	0.500	-12.2	20.0
Ethyl acrylate	Ave	0.5503	0.5106		0.0186	0.0200	-7.2	20.0
Methyl methacrylate	Ave	0.3850	0.3594		0.0373	0.0400	-6.6	20.0
2-Nitropropane	Ave	0.1710	0.1427		0.0334	0.0400	-16.6	20.0
n-Butyl acetate	Ave	0.8825	0.7605		0.0172	0.0200	-13.8	20.0
1-Chlorohexane	Ave	0.7364	0.7746		0.0210	0.0200	5.2	20.0
Cyclohexanone	Ave	0.0488	0.0376		0.154	0.200	-22.9*	20.0
Pentachloroethane	Ave	0.5308	0.5954		0.0449	0.0400	12.2	20.0
1,2,3-Trimethylbenzene	Ave	3.646	3.605		0.0198	0.0200	-1.1	20.0
Benzyl chloride	Ave	0.5367	0.5330		0.0199	0.0200	-0.7	20.0
1,3,5-Trichlorobenzene	Ave	1.297	1.261		0.0194	0.0200	-2.8	20.0
2-Methylnaphthalene	Ave	1.414	0.9577		0.0271	0.0400	-32.3*	20.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-495770/8

Matrix: Water Lab File ID: UX997003.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 12:16

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.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-495770/8

Matrix: Water Lab File ID: UX997003.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 12:16

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.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-495770/8

Matrix: Water Lab File ID: UX997003.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 12:16

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.: 495770 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	101		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		75-130
2037-26-5	Toluene-d8 (Surr)	103		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-495770/8

Matrix: Water Lab File ID: UX997003.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 12:16

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.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-495975/8

Matrix: Water Lab File ID: UX997036.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 13:02

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 495975 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-495975/8

Matrix: Water Lab File ID: UX997036.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 13:02

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 495975 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-495975/8

Matrix: Water Lab File ID: UX997036.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 13:02

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 495975 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	98		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		75-130
2037-26-5	Toluene-d8 (Surr)	97		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-495975/8

Matrix: Water Lab File ID: UX997036.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 13:02

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 495975 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-496159/8

Matrix: Water Lab File ID: UX997068.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 13:01

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-496159/8

Matrix: Water Lab File ID: UX997068.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 13:01

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-496159/8

Matrix: Water Lab File ID: UX997068.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 13:01

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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)	104		47-134
1868-53-7	Dibromofluoromethane (Surr)	100		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		75-130
2037-26-5	Toluene-d8 (Surr)	104		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-496159/8

Matrix: Water Lab File ID: UX997068.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 13:01

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-496393/8

Matrix: Water Lab File ID: U1923147.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 17:12

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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-496393/8

Matrix: Water Lab File ID: U1923147.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 17:12

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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-496393/8

Matrix: Water Lab File ID: U1923147.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 17:12

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.: 496393 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)	108		47-134
1868-53-7	Dibromofluoromethane (Surr)	93		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		75-130
2037-26-5	Toluene-d8 (Surr)	104		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-496393/8

Matrix: Water Lab File ID: U1923147.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 17:12

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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-496537/8

Matrix: Water Lab File ID: UXM38834.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 13:29

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.: 496537 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-496537/8

Matrix: Water Lab File ID: UXM38834.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 13:29

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.: 496537 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-496537/8

Matrix: Water Lab File ID: UXM38834.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 13:29

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.: 496537 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	113		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		75-130
2037-26-5	Toluene-d8 (Surr)	93		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-496537/8

Matrix: Water Lab File ID: UXM38834.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 13:29

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.: 496537 Units: ug/L

Number TICs Found: 1 TIC Result Total: 3.93

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	1.54	3.93	T J	

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

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-071521	240-152946-1	100	103	99	99
MSA-SW37B-071521	240-152946-2	100	101	100	103
MSA-SW37C-071521	240-152946-3	98	104	99	100
MSA-SW37D-071521	240-152946-4	95	102	99	101
MSA-SW38A-071521	240-152946-5	94	98	96	97
MSA-SW38B-071521	240-152946-6	100	100	101	103
MSA-SW38C-071521	240-152946-7	96	95	99	100
MSA-SW38D-071521	240-152946-8	98	93	99	99
MSA-SW40A-071521	240-152946-9	99	96	101	103
MSA-SW40B-071521	240-152946-10	98	97	100	101
MSA-SW40C-071521	240-152946-11	96	99	97	101
MSA-SW40D-071521	240-152946-12	98	96	97	99
MSA-SW41A-071521	240-152946-13	97	95	101	100
MSA-SW41B-071521	240-152946-14	98	96	99	101
MSA-SW41C-071521	240-152946-15	100	96	102	103
MSA-SW41D-071521	240-152946-16	107	103	107	109
MSA-SW42A-071521	240-152946-17	101	94	102	105
MSA-SW42B-071521	240-152946-18	110	110	94	101
MSA-SW42C-071521	240-152946-19	98	89	106	104
MSA-SW42D-071521	240-152946-20	108	108	95	99
MSA-SW43A-071521	240-152946-21	110	107	93	99
MSA-SW43B-071521	240-152946-22	109	103	93	101
MSA-SW43C-071521	240-152946-23	91	94	100	104
MSA-SW43D-071521	240-152946-24	93	93	101	104
MSA-SW44A-071521	240-152946-25	95	98	104	110
MSA-SW44B-071521	240-152946-26	92	95	104	107
MSA-SW44C-071521	240-152946-27	91	97	103	107
MSA-SW44D-071521	240-152946-28	94	95	101	103
TB-071521	240-152946-29	94	95	102	105
MSA-SW46A-071521	240-152946-30	92	96	103	104
MSA-SW47A-071521	240-152946-31	92	95	102	105
MSA-SW48A-071521	240-152946-32	93	96	102	105
MSA-SW49A-071521	240-152946-33	93	96	101	103
	MB 240-495770/8	101	106	103	100
	MB 240-495975/8	98	98	97	98

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	78-129
DCA = 1,2-Dichloroethane-d4 (Surr)	75-130
TOL = Toluene-d8 (Surr)	69-122
BFB = 4-Bromofluorobenzene (Surr)	47-134

Column to be used to flag recovery values

FORM II 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

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 240-496159/8	100	99	104	104
	MB 240-496393/8	93	97	104	108
	MB 240-496537/8	113	107	93	100
	LCS 240-495770/5	105	107	102	106
	LCS 240-495975/5	104	97	101	106
	LCS 240-496159/5	98	90	97	103
	LCS 240-496393/5	92	91	102	110
	LCS 240-496537/5	101	103	97	100
	LCSD 240-496159/9	102	99	104	109

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	78-129
DCA = 1,2-Dichloroethane-d4 (Surr)	75-130
TOL = Toluene-d8 (Surr)	69-122
BFB = 4-Bromofluorobenzene (Surr)	47-134

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UX997000.D

Lab ID: LCS 240-495770/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	40.0	32.8	82	33-155	
Benzene	20.0	21.7	109	77-123	
Bromobenzene	20.0	19.8	99	77-120	
Bromochloromethane	20.0	22.0	110	70-128	
Bromodichloromethane	20.0	22.1	111	73-122	
Bromoform	20.0	18.3	92	47-133	
Bromomethane	20.0	20.3	102	48-144	
2-Butanone	40.0	38.3	96	41-151	
Carbon disulfide	20.0	19.2	96	67-127	
Carbon tetrachloride	20.0	23.0	115	61-142	
Chlorobenzene	20.0	20.8	104	80-120	
Chloroethane	20.0	20.9	104	41-147	
2-Chloroethyl vinyl ether	20.0	22.4	112	29-146	
Chloroform	20.0	22.2	111	74-127	
Chloromethane	20.0	20.7	104	46-148	
2-Chlorotoluene	20.0	20.6	103	73-126	
4-Chlorotoluene	20.0	20.6	103	73-126	
cis-1,2-Dichloroethene	20.0	21.1	106	75-124	
cis-1,3-Dichloropropene	20.0	23.1	115	68-128	
Dibromochloromethane	20.0	19.7	98	75-120	
1,2-Dibromo-3-Chloropropane	20.0	15.8	79	34-136	
1,2-Dibromoethane	20.0	20.1	100	73-120	
Dibromomethane	20.0	22.5	113	67-121	
1,2-Dichlorobenzene	20.0	19.7	99	74-120	
1,3-Dichlorobenzene	20.0	19.8	99	74-120	
1,4-Dichlorobenzene	20.0	20.2	101	75-120	
Dichlorodifluoromethane	20.0	26.5	132	35-137	
1,1-Dichloroethane	20.0	20.8	104	74-126	
1,2-Dichloroethane	20.0	23.4	117	66-129	
1,1-Dichloroethene	20.0	21.9	109	73-129	
1,2-Dichloropropane	20.0	22.6	113	79-127	
1,3-Dichloropropane	20.0	20.8	104	74-122	
2,2-Dichloropropane	20.0	21.9	109	67-137	
1,1-Dichloropropene	20.0	22.6	113	78-120	
Ethylbenzene	20.0	20.7	104	80-120	
Hexachlorobutadiene	20.0	17.2	86	40-120	
2-Hexanone	40.0	39.7	99	43-142	
Isopropylbenzene	20.0	20.4	102	73-123	
Methylene Chloride	20.0	20.4	102	63-134	
4-Methyl-2-pentanone	40.0	43.5	109	43-145	
Methyl tert-butyl ether	20.0	21.0	105	57-127	
m-Xylene & p-Xylene	20.0	20.7	104	79-121	

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UX997000.D

Lab ID: LCS 240-495770/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	20.0	17.7	88	28-130	
n-Butylbenzene	20.0	20.0	100	54-129	
n-Propylbenzene	20.0	20.5	103	67-130	
o-Xylene	20.0	20.4	102	75-123	
p-Isopropyltoluene	20.0	20.6	103	66-127	
sec-Butylbenzene	20.0	20.1	101	60-131	
Styrene	20.0	22.1	110	75-121	
tert-Butyl alcohol	200	196	98	15-169	
tert-Butylbenzene	20.0	21.4	107	63-126	
1,1,1,2-Tetrachloroethane	20.0	20.4	102	77-120	
1,1,2,2-Tetrachloroethane	20.0	20.1	100	45-151	
Tetrachloroethene	20.0	20.4	102	70-125	
Toluene	20.0	21.1	106	79-122	
trans-1,2-Dichloroethene	20.0	21.2	106	74-130	
trans-1,3-Dichloropropene	20.0	21.6	108	64-120	
1,2,3-Trichlorobenzene	20.0	18.1	91	42-126	
1,2,4-Trichlorobenzene	20.0	18.9	95	47-120	
1,1,1-Trichloroethane	20.0	22.6	113	65-141	
Trichloroethene	20.0	22.7	114	71-121	
Trichlorofluoromethane	20.0	24.1	120	52-148	
1,2,3-Trichloropropane	20.0	19.8	99	57-137	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	20.4	102	54-148	
1,2,4-Trimethylbenzene	20.0	20.5	103	66-129	
Vinyl acetate	20.0	18.2	91	44-160	
Vinyl chloride	20.0	23.3	117	61-134	
Xylenes, Total	40.0	41.1	103	78-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UX997033.D

Lab ID: LCS 240-495975/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	40.0	32.8	82	33-155	
Benzene	20.0	22.0	110	77-123	
Bromobenzene	20.0	20.4	102	77-120	
Bromochloromethane	20.0	20.7	103	70-128	
Bromodichloromethane	20.0	22.0	110	73-122	
Bromoform	20.0	18.0	90	47-133	
Bromomethane	20.0	20.0	100	48-144	
2-Butanone	40.0	38.3	96	41-151	
Carbon disulfide	20.0	19.5	97	67-127	
Carbon tetrachloride	20.0	23.9	120	61-142	
Chlorobenzene	20.0	20.9	105	80-120	
Chloroethane	20.0	20.3	102	41-147	
2-Chloroethyl vinyl ether	20.0	21.4	107	29-146	
Chloroform	20.0	22.5	112	74-127	
Chloromethane	20.0	19.2	96	46-148	
2-Chlorotoluene	20.0	20.5	102	73-126	
4-Chlorotoluene	20.0	20.7	104	73-126	
cis-1,2-Dichloroethene	20.0	21.8	109	75-124	
cis-1,3-Dichloropropene	20.0	22.7	113	68-128	
Dibromochloromethane	20.0	20.0	100	75-120	
1,2-Dibromo-3-Chloropropane	20.0	16.0	80	34-136	
1,2-Dibromoethane	20.0	20.5	103	73-120	
Dibromomethane	20.0	22.7	114	67-121	
1,2-Dichlorobenzene	20.0	20.0	100	74-120	
1,3-Dichlorobenzene	20.0	19.7	98	74-120	
1,4-Dichlorobenzene	20.0	20.4	102	75-120	
Dichlorodifluoromethane	20.0	27.8	139	35-137	*+
1,1-Dichloroethane	20.0	20.7	103	74-126	
1,2-Dichloroethane	20.0	23.3	116	66-129	
1,1-Dichloroethene	20.0	21.9	110	73-129	
1,2-Dichloropropane	20.0	21.8	109	79-127	
1,3-Dichloropropane	20.0	20.6	103	74-122	
2,2-Dichloropropane	20.0	22.2	111	67-137	
1,1-Dichloropropene	20.0	22.5	112	78-120	
Ethylbenzene	20.0	20.5	103	80-120	
Hexachlorobutadiene	20.0	17.8	89	40-120	
2-Hexanone	40.0	36.9	92	43-142	
Isopropylbenzene	20.0	20.5	103	73-123	
Methylene Chloride	20.0	19.6	98	63-134	
4-Methyl-2-pentanone	40.0	40.2	101	43-145	
Methyl tert-butyl ether	20.0	21.3	106	57-127	
m-Xylene & p-Xylene	20.0	20.3	102	79-121	

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UX997033.D

Lab ID: LCS 240-495975/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	20.0	17.3	86	28-130	
n-Butylbenzene	20.0	19.9	100	54-129	
n-Propylbenzene	20.0	20.5	102	67-130	
o-Xylene	20.0	20.5	103	75-123	
p-Isopropyltoluene	20.0	20.3	102	66-127	
sec-Butylbenzene	20.0	20.7	103	60-131	
Styrene	20.0	22.1	110	75-121	
tert-Butyl alcohol	200	191	95	15-169	
tert-Butylbenzene	20.0	21.3	107	63-126	
1,1,1,2-Tetrachloroethane	20.0	20.2	101	77-120	
1,1,2,2-Tetrachloroethane	20.0	19.2	96	45-151	
Tetrachloroethene	20.0	20.7	104	70-125	
Toluene	20.0	20.8	104	79-122	
trans-1,2-Dichloroethene	20.0	21.4	107	74-130	
trans-1,3-Dichloropropene	20.0	20.5	102	64-120	
1,2,3-Trichlorobenzene	20.0	18.3	92	42-126	
1,2,4-Trichlorobenzene	20.0	18.8	94	47-120	
1,1,1-Trichloroethane	20.0	23.1	115	65-141	
Trichloroethene	20.0	23.1	116	71-121	
Trichlorofluoromethane	20.0	25.4	127	52-148	
1,2,3-Trichloropropane	20.0	19.2	96	57-137	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	21.2	106	54-148	
1,2,4-Trimethylbenzene	20.0	20.5	102	66-129	
Vinyl acetate	20.0	16.2	81	44-160	
Vinyl chloride	20.0	20.9	105	61-134	
Xylenes, Total	40.0	40.8	102	78-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UX997065.D

Lab ID: LCS 240-496159/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	40.0	31.1	78	33-155	
Benzene	20.0	22.5	112	77-123	
Bromobenzene	20.0	21.4	107	77-120	
Bromochloromethane	20.0	21.4	107	70-128	
Bromodichloromethane	20.0	22.3	111	73-122	
Bromoform	20.0	18.4	92	47-133	
Bromomethane	20.0	19.6	98	48-144	
2-Butanone	40.0	38.2	96	41-151	
Carbon disulfide	20.0	20.1	100	67-127	
Carbon tetrachloride	20.0	24.0	120	61-142	
Chlorobenzene	20.0	21.2	106	80-120	
Chloroethane	20.0	19.8	99	41-147	
2-Chloroethyl vinyl ether	20.0	22.0	110	29-146	
Chloroform	20.0	23.1	116	74-127	
Chloromethane	20.0	18.5	93	46-148	
2-Chlorotoluene	20.0	21.2	106	73-126	
4-Chlorotoluene	20.0	21.5	108	73-126	
cis-1,2-Dichloroethene	20.0	22.4	112	75-124	
cis-1,3-Dichloropropene	20.0	22.6	113	68-128	
Dibromochloromethane	20.0	20.3	102	75-120	
1,2-Dibromo-3-Chloropropane	20.0	16.2	81	34-136	
1,2-Dibromoethane	20.0	20.6	103	73-120	
Dibromomethane	20.0	23.1	115	67-121	
1,2-Dichlorobenzene	20.0	20.5	103	74-120	
1,3-Dichlorobenzene	20.0	20.9	104	74-120	
1,4-Dichlorobenzene	20.0	20.7	103	75-120	
Dichlorodifluoromethane	20.0	27.0	135	35-137	
1,1-Dichloroethane	20.0	21.4	107	74-126	
1,2-Dichloroethane	20.0	23.2	116	66-129	
1,1-Dichloroethene	20.0	22.6	113	73-129	
1,2-Dichloropropane	20.0	22.4	112	79-127	
1,3-Dichloropropane	20.0	20.6	103	74-122	
2,2-Dichloropropane	20.0	22.3	112	67-137	
1,1-Dichloropropene	20.0	23.2	116	78-120	
Ethylbenzene	20.0	21.3	107	80-120	
Hexachlorobutadiene	20.0	18.5	92	40-120	
2-Hexanone	40.0	35.6	89	43-142	
Isopropylbenzene	20.0	20.9	104	73-123	
Methylene Chloride	20.0	20.1	100	63-134	
4-Methyl-2-pentanone	40.0	38.6	96	43-145	
Methyl tert-butyl ether	20.0	21.7	109	57-127	
m-Xylene & p-Xylene	20.0	21.0	105	79-121	

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UX997065.D

Lab ID: LCS 240-496159/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	20.0	17.6	88	28-130	
n-Butylbenzene	20.0	20.2	101	54-129	
n-Propylbenzene	20.0	21.9	109	67-130	
o-Xylene	20.0	20.6	103	75-123	
p-Isopropyltoluene	20.0	21.0	105	66-127	
sec-Butylbenzene	20.0	21.1	106	60-131	
Styrene	20.0	22.5	112	75-121	
tert-Butyl alcohol	200	187	93	15-169	
tert-Butylbenzene	20.0	19.8	99	63-126	
1,1,1,2-Tetrachloroethane	20.0	20.9	105	77-120	
1,1,2,2-Tetrachloroethane	20.0	20.1	100	45-151	
Tetrachloroethene	20.0	21.1	106	70-125	
Toluene	20.0	21.3	106	79-122	
trans-1,2-Dichloroethene	20.0	21.7	109	74-130	
trans-1,3-Dichloropropene	20.0	20.9	105	64-120	
1,2,3-Trichlorobenzene	20.0	18.5	92	42-126	
1,2,4-Trichlorobenzene	20.0	19.7	98	47-120	
1,1,1-Trichloroethane	20.0	23.8	119	65-141	
Trichloroethene	20.0	23.9	120	71-121	
Trichlorofluoromethane	20.0	26.3	131	52-148	
1,2,3-Trichloropropane	20.0	19.6	98	57-137	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	21.5	107	54-148	
1,2,4-Trimethylbenzene	20.0	21.3	106	66-129	
Vinyl acetate	20.0	16.1	80	44-160	
Vinyl chloride	20.0	20.5	103	61-134	
Xylenes, Total	40.0	41.6	104	78-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1923144.d

Lab ID: LCS 240-496393/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	40.0	35.8	90	33-155	
Benzene	20.0	19.3	97	77-123	
Bromobenzene	20.0	19.9	100	77-120	
Bromochloromethane	20.0	17.6	88	70-128	
Bromodichloromethane	20.0	18.1	91	73-122	
Bromoform	20.0	16.5	83	47-133	
Bromomethane	20.0	21.7	108	48-144	
2-Butanone	40.0	37.5	94	41-151	
Carbon disulfide	20.0	17.7	88	67-127	
Carbon tetrachloride	20.0	19.6	98	61-142	
Chlorobenzene	20.0	20.1	100	80-120	
Chloroethane	20.0	22.5	113	41-147	
2-Chloroethyl vinyl ether	20.0	18.0	90	29-146	
Chloroform	20.0	18.8	94	74-127	
Chloromethane	20.0	17.5	87	46-148	
2-Chlorotoluene	20.0	21.1	106	73-126	
4-Chlorotoluene	20.0	20.9	105	73-126	
cis-1,2-Dichloroethene	20.0	18.6	93	75-124	
cis-1,3-Dichloropropene	20.0	16.6	83	68-128	
Dibromochloromethane	20.0	18.8	94	75-120	
1,2-Dibromo-3-Chloropropane	20.0	17.1	86	34-136	
1,2-Dibromoethane	20.0	19.9	100	73-120	
Dibromomethane	20.0	16.9	84	67-121	
1,2-Dichlorobenzene	20.0	20.6	103	74-120	
1,3-Dichlorobenzene	20.0	20.5	102	74-120	
1,4-Dichlorobenzene	20.0	20.3	101	75-120	
Dichlorodifluoromethane	20.0	22.3	112	35-137	
1,1-Dichloroethane	20.0	18.5	92	74-126	
1,2-Dichloroethane	20.0	18.3	92	66-129	
1,1-Dichloroethene	20.0	19.7	98	73-129	
1,2-Dichloropropane	20.0	18.6	93	79-127	
1,3-Dichloropropane	20.0	20.7	103	74-122	
2,2-Dichloropropane	20.0	18.8	94	67-137	
1,1-Dichloropropene	20.0	19.2	96	78-120	
Ethylbenzene	20.0	20.6	103	80-120	
Hexachlorobutadiene	20.0	16.8	84	40-120	
2-Hexanone	40.0	37.7	94	43-142	
Isopropylbenzene	20.0	21.0	105	73-123	
Methylene Chloride	20.0	18.3	91	63-134	
4-Methyl-2-pentanone	40.0	34.4	86	43-145	
Methyl tert-butyl ether	20.0	17.2	86	57-127	
m-Xylene & p-Xylene	20.0	20.3	101	79-121	

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1923144.d

Lab ID: LCS 240-496393/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	20.0	18.7	94	28-130	
n-Butylbenzene	20.0	21.7	109	54-129	
n-Propylbenzene	20.0	21.5	107	67-130	
o-Xylene	20.0	20.4	102	75-123	
p-Isopropyltoluene	20.0	21.2	106	66-127	
sec-Butylbenzene	20.0	22.3	112	60-131	
Styrene	20.0	19.5	98	75-121	
tert-Butyl alcohol	200	171	85	15-169	
tert-Butylbenzene	20.0	21.6	108	63-126	
1,1,1,2-Tetrachloroethane	20.0	19.1	95	77-120	
1,1,2,2-Tetrachloroethane	20.0	22.0	110	45-151	
Tetrachloroethene	20.0	19.7	99	70-125	
Toluene	20.0	21.1	105	79-122	
trans-1,2-Dichloroethene	20.0	18.3	91	74-130	
trans-1,3-Dichloropropene	20.0	17.8	89	64-120	
1,2,3-Trichlorobenzene	20.0	17.7	88	42-126	
1,2,4-Trichlorobenzene	20.0	18.1	90	47-120	
1,1,1-Trichloroethane	20.0	19.4	97	65-141	
Trichloroethene	20.0	18.6	93	71-121	
Trichlorofluoromethane	20.0	24.0	120	52-148	
1,2,3-Trichloropropane	20.0	21.8	109	57-137	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	22.1	110	54-148	
1,2,4-Trimethylbenzene	20.0	21.5	108	66-129	
Vinyl acetate	20.0	14.4	72	44-160	
Vinyl chloride	20.0	19.7	99	61-134	
Xylenes, Total	40.0	40.7	102	78-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UXM38831.D

Lab ID: LCS 240-496537/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	40.0	39.4	98	33-155	
Benzene	20.0	18.9	95	77-123	
Bromobenzene	20.0	18.8	94	77-120	
Bromochloromethane	20.0	19.8	99	70-128	
Bromodichloromethane	20.0	17.9	90	73-122	
Bromoform	20.0	15.9	80	47-133	
Bromomethane	20.0	22.3	111	48-144	E
2-Butanone	40.0	40.0	100	41-151	
Carbon disulfide	20.0	18.9	95	67-127	
Carbon tetrachloride	20.0	19.8	99	61-142	
Chlorobenzene	20.0	19.1	96	80-120	
Chloroethane	20.0	18.8	94	41-147	
2-Chloroethyl vinyl ether	20.0	13.5	67	29-146	
Chloroform	20.0	19.5	98	74-127	
Chloromethane	20.0	19.1	95	46-148	
2-Chlorotoluene	20.0	19.1	95	73-126	
4-Chlorotoluene	20.0	19.1	96	73-126	
cis-1,2-Dichloroethene	20.0	19.4	97	75-124	
cis-1,3-Dichloropropene	20.0	17.9	90	68-128	
Dibromochloromethane	20.0	16.8	84	75-120	
1,2-Dibromo-3-Chloropropane	20.0	15.2	76	34-136	
1,2-Dibromoethane	20.0	19.2	96	73-120	
Dibromomethane	20.0	19.2	96	67-121	
1,2-Dichlorobenzene	20.0	18.8	94	74-120	
1,3-Dichlorobenzene	20.0	19.1	95	74-120	
1,4-Dichlorobenzene	20.0	19.3	96	75-120	
Dichlorodifluoromethane	20.0	17.8	89	35-137	
1,1-Dichloroethane	20.0	18.2	91	74-126	
1,2-Dichloroethane	20.0	19.8	99	66-129	
1,1-Dichloroethene	20.0	20.4	102	73-129	
1,2-Dichloropropane	20.0	18.4	92	79-127	
1,3-Dichloropropane	20.0	18.2	91	74-122	
2,2-Dichloropropane	20.0	18.3	91	67-137	
1,1-Dichloropropene	20.0	19.3	96	78-120	
Ethylbenzene	20.0	19.6	98	80-120	
Hexachlorobutadiene	20.0	18.7	94	40-120	
2-Hexanone	40.0	34.4	86	43-142	
Isopropylbenzene	20.0	20.0	100	73-123	
Methylene Chloride	20.0	19.2	96	63-134	
4-Methyl-2-pentanone	40.0	33.7	84	43-145	
Methyl tert-butyl ether	20.0	18.8	94	57-127	
m-Xylene & p-Xylene	20.0	19.7	99	79-121	

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UXM38831.D

Lab ID: LCS 240-496537/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	20.0	16.4	82	28-130	
n-Butylbenzene	20.0	18.4	92	54-129	
n-Propylbenzene	20.0	18.8	94	67-130	
o-Xylene	20.0	19.9	99	75-123	
p-Isopropyltoluene	20.0	19.1	95	66-127	
sec-Butylbenzene	20.0	18.7	94	60-131	
Styrene	20.0	21.5	108	75-121	
tert-Butyl alcohol	200	176	88	15-169	
tert-Butylbenzene	20.0	18.6	93	63-126	
1,1,1,2-Tetrachloroethane	20.0	18.9	94	77-120	
1,1,2,2-Tetrachloroethane	20.0	17.8	89	45-151	
Tetrachloroethene	20.0	19.4	97	70-125	
Toluene	20.0	18.7	93	79-122	
trans-1,2-Dichloroethene	20.0	19.4	97	74-130	
trans-1,3-Dichloropropene	20.0	17.2	86	64-120	
1,2,3-Trichlorobenzene	20.0	16.9	84	42-126	
1,2,4-Trichlorobenzene	20.0	17.2	86	47-120	
1,1,1-Trichloroethane	20.0	19.8	99	65-141	
Trichloroethene	20.0	19.8	99	71-121	
Trichlorofluoromethane	20.0	22.3	112	52-148	
1,2,3-Trichloropropane	20.0	18.0	90	57-137	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	21.9	110	54-148	
1,2,4-Trimethylbenzene	20.0	18.6	93	66-129	
Vinyl acetate	20.0	21.2	106	44-160	
Vinyl chloride	20.0	21.1	106	61-134	
Xylenes, Total	40.0	39.6	99	78-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UX997069.D

Lab ID: LCSD 240-496159/9 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acetone	40.0	30.0	75	4	35	33-155	
Benzene	20.0	21.7	108	4	35	77-123	
Bromobenzene	20.0	19.9	100	7	35	77-120	
Bromochloromethane	20.0	20.4	102	5	35	70-128	
Bromodichloromethane	20.0	21.5	107	4	35	73-122	
Bromoform	20.0	18.1	90	2	35	47-133	
Bromomethane	20.0	19.3	96	1	35	48-144	
2-Butanone	40.0	36.7	92	4	35	41-151	
Carbon disulfide	20.0	19.0	95	6	35	67-127	
Carbon tetrachloride	20.0	23.7	118	1	35	61-142	
Chlorobenzene	20.0	21.1	105	0	35	80-120	
Chloroethane	20.0	19.7	99	0	35	41-147	
2-Chloroethyl vinyl ether	20.0	20.6	103	7	35	29-146	
Chloroform	20.0	22.4	112	3	35	74-127	
Chloromethane	20.0	18.5	93	0	35	46-148	
2-Chlorotoluene	20.0	20.4	102	4	35	73-126	
4-Chlorotoluene	20.0	20.7	104	4	35	73-126	
cis-1,2-Dichloroethene	20.0	22.3	111	1	35	75-124	
cis-1,3-Dichloropropene	20.0	21.6	108	4	35	68-128	
Dibromochloromethane	20.0	20.2	101	1	35	75-120	
1,2-Dibromo-3-Chloropropane	20.0	14.5	73	11	35	34-136	
1,2-Dibromoethane	20.0	20.7	103	0	35	73-120	
Dibromomethane	20.0	22.8	114	1	35	67-121	
1,2-Dichlorobenzene	20.0	19.9	100	3	35	74-120	
1,3-Dichlorobenzene	20.0	19.9	99	5	35	74-120	
1,4-Dichlorobenzene	20.0	20.2	101	2	35	75-120	
Dichlorodifluoromethane	20.0	26.8	134	1	35	35-137	
1,1-Dichloroethane	20.0	20.3	102	5	35	74-126	
1,2-Dichloroethane	20.0	22.6	113	3	35	66-129	
1,1-Dichloroethene	20.0	22.0	110	3	35	73-129	
1,2-Dichloropropane	20.0	21.1	105	6	35	79-127	
1,3-Dichloropropane	20.0	20.3	102	1	35	74-122	
2,2-Dichloropropane	20.0	21.8	109	2	35	67-137	
1,1-Dichloropropene	20.0	22.4	112	3	35	78-120	
Ethylbenzene	20.0	21.0	105	1	35	80-120	
Hexachlorobutadiene	20.0	18.0	90	3	35	40-120	
2-Hexanone	40.0	34.2	86	4	35	43-142	
Isopropylbenzene	20.0	20.9	104	0	35	73-123	
Methylene Chloride	20.0	19.2	96	4	35	63-134	
4-Methyl-2-pentanone	40.0	36.4	91	6	35	43-145	
Methyl tert-butyl ether	20.0	21.0	105	3	35	57-127	
m-Xylene & p-Xylene	20.0	20.6	103	2	35	79-121	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UX997069.D

Lab ID: LCSD 240-496159/9 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Naphthalene	20.0	16.7	83	5	35	28-130	
n-Butylbenzene	20.0	19.7	98	3	35	54-129	
n-Propylbenzene	20.0	20.8	104	5	35	67-130	
o-Xylene	20.0	20.8	104	1	35	75-123	
p-Isopropyltoluene	20.0	20.2	101	4	35	66-127	
sec-Butylbenzene	20.0	20.5	103	3	35	60-131	
Styrene	20.0	22.4	112	1	35	75-121	
tert-Butyl alcohol	200	173	87	8	35	15-169	
tert-Butylbenzene	20.0	21.2	106	7	35	63-126	
1,1,1,2-Tetrachloroethane	20.0	20.5	103	2	35	77-120	
1,1,2,2-Tetrachloroethane	20.0	18.7	93	7	35	45-151	
Tetrachloroethene	20.0	21.6	108	2	35	70-125	
Toluene	20.0	21.3	106	0	35	79-122	
trans-1,2-Dichloroethene	20.0	21.1	105	3	35	74-130	
trans-1,3-Dichloropropene	20.0	20.3	102	3	35	64-120	
1,2,3-Trichlorobenzene	20.0	17.9	90	3	35	42-126	
1,2,4-Trichlorobenzene	20.0	18.8	94	4	35	47-120	
1,1,1-Trichloroethane	20.0	23.0	115	3	35	65-141	
Trichloroethene	20.0	23.5	118	2	35	71-121	
Trichlorofluoromethane	20.0	26.1	130	1	35	52-148	
1,2,3-Trichloropropane	20.0	18.4	92	6	35	57-137	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	21.9	109	2	35	54-148	
1,2,4-Trimethylbenzene	20.0	20.4	102	4	35	66-129	
Vinyl acetate	20.0	14.9	74	8	35	44-160	
Vinyl chloride	20.0	20.2	101	2	35	61-134	
Xylenes, Total	40.0	41.4	104	0	35	78-122	

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab File ID: UX997003.D Lab Sample ID: MB 240-495770/8

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

Instrument ID: A3UX9 Date Analyzed: 07/20/2021 12:16

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 240-495770/5	UX997000.D	07/20/2021 11:07
MSA-SW37A-071521	240-152946-1	UX997010.D	07/20/2021 15:09
MSA-SW37B-071521	240-152946-2	UX997011.D	07/20/2021 15:32
MSA-SW37C-071521	240-152946-3	UX997012.D	07/20/2021 15:55
MSA-SW37D-071521	240-152946-4	UX997013.D	07/20/2021 16:18
MSA-SW38A-071521	240-152946-5	UX997014.D	07/20/2021 16:41

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab File ID: UX997036.D Lab Sample ID: MB 240-495975/8

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

Instrument ID: A3UX9 Date Analyzed: 07/21/2021 13:02

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-495975/5	UX997033.D	07/21/2021 11:53
MSA-SW38B-071521	240-152946-6	UX997055.D	07/21/2021 20:19

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab File ID: UX997068.D Lab Sample ID: MB 240-496159/8

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

Instrument ID: A3UX9 Date Analyzed: 07/22/2021 13:01

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 240-496159/5	UX997065.D	07/22/2021 11:52
	LCSD 240-496159/9	UX997069.D	07/22/2021 13:25
MSA-SW38C-071521	240-152946-7	UX997074.D	07/22/2021 15:19
MSA-SW38D-071521	240-152946-8	UX997075.D	07/22/2021 15:42
MSA-SW40A-071521	240-152946-9	UX997076.D	07/22/2021 16:05
MSA-SW40B-071521	240-152946-10	UX997077.D	07/22/2021 16:28
MSA-SW40C-071521	240-152946-11	UX997078.D	07/22/2021 16:51
MSA-SW40D-071521	240-152946-12	UX997079.D	07/22/2021 17:14
MSA-SW41A-071521	240-152946-13	UX997080.D	07/22/2021 17:37
MSA-SW41B-071521	240-152946-14	UX997081.D	07/22/2021 18:00
MSA-SW41C-071521	240-152946-15	UX997082.D	07/22/2021 18:23
MSA-SW41D-071521	240-152946-16	UX997083.D	07/22/2021 18:45
MSA-SW42A-071521	240-152946-17	UX997084.D	07/22/2021 19:08
MSA-SW42C-071521	240-152946-19	UX997086.D	07/22/2021 19:53

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab File ID: U1923147.d Lab Sample ID: MB 240-496393/8

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

Instrument ID: A3UX19 Date Analyzed: 07/23/2021 17:12

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 240-496393/5	U1923144.d	07/23/2021 16:05
MSA-SW43C-071521	240-152946-23	U1923153.d	07/23/2021 19:26
MSA-SW43D-071521	240-152946-24	U1923154.d	07/23/2021 19:48
MSA-SW44A-071521	240-152946-25	U1923155.d	07/23/2021 20:10
MSA-SW44B-071521	240-152946-26	U1923156.d	07/23/2021 20:32
MSA-SW44C-071521	240-152946-27	U1923157.d	07/23/2021 20:54
MSA-SW44D-071521	240-152946-28	U1923158.d	07/23/2021 21:16
TB-071521	240-152946-29	U1923159.d	07/23/2021 21:39
MSA-SW46A-071521	240-152946-30	U1923160.d	07/23/2021 22:01
MSA-SW47A-071521	240-152946-31	U1923161.d	07/23/2021 22:23
MSA-SW48A-071521	240-152946-32	U1923162.d	07/23/2021 22:45
MSA-SW49A-071521	240-152946-33	U1923163.d	07/23/2021 23:08

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab File ID: UXM38834.D Lab Sample ID: MB 240-496537/8

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

Instrument ID: A3UX16 Date Analyzed: 07/26/2021 13:29

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-496537/5	UXM38831.D	07/26/2021 12:15
MSA-SW42B-071521	240-152946-18	UXM38845.D	07/26/2021 18:00
MSA-SW42D-071521	240-152946-20	UXM38846.D	07/26/2021 18:25
MSA-SW43A-071521	240-152946-21	UXM38847.D	07/26/2021 18:50
MSA-SW43B-071521	240-152946-22	UXM38848.D	07/26/2021 19:15

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab File ID: BFB6676.D BFB Injection Date: 04/23/2021

Instrument ID: A3UX16 BFB Injection Time: 11:11

Analysis Batch No.: 482539

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.1	
75	30.0 - 60.0 % of mass 95	49.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.8	(1.0) 1
174	Greater than 50% of mass 95	77.9	
175	5.0 - 9.0 % of mass 174	5.6	(7.2) 1
176	95.0 - 101.0 % of mass 174	75.3	(96.7) 1
177	5.0 - 9.0 % of mass 176	4.9	(6.5) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-482539/9	UXM36559.D	04/23/2021	12:04
	STD8260 240-482539/10	UXM36560.D	04/23/2021	12:28
	STD8260 240-482539/11	UXM36561.D	04/23/2021	12:52
	ICIS 240-482539/12	UXM36562.D	04/23/2021	13:16
	STD8260 240-482539/13	UXM36563.D	04/23/2021	13:40
	STD8260 240-482539/14	UXM36564.D	04/23/2021	14:04
	STD8260 240-482539/15	UXM36565.D	04/23/2021	14:28
	STD8260 240-482539/16	UXM36566.D	04/23/2021	14:53
	ICV 240-482539/17	UXM36567.D	04/23/2021	15:17
	STDA9 240-482539/20	UXM36570.D	04/23/2021	16:29
	STDA9 240-482539/21	UXM36571.D	04/23/2021	16:53
	STDA9 240-482539/22	UXM36572.D	04/23/2021	17:17
	STDA9 240-482539/23	UXM36573.D	04/23/2021	17:42
	STDA9 240-482539/24	UXM36574.D	04/23/2021	18:06
	STDA9 240-482539/25	UXM36575.D	04/23/2021	18:30
	ICV 240-482539/26	UXM36576.D	04/23/2021	18:55

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab File ID: BFB1331.D BFB Injection Date: 07/26/2021

Instrument ID: A3UX16 BFB Injection Time: 11:01

Analysis Batch No.: 496537

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.0	
75	30.0 - 60.0 % of mass 95	48.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.4	
173	Less than 2.0 % of mass 174	0.5	(0.6) 1
174	Greater than 50% of mass 95	82.3	
175	5.0 - 9.0 % of mass 174	5.8	(7.1) 1
176	95.0 - 101.0 % of mass 174	80.5	(97.8) 1
177	5.0 - 9.0 % of mass 176	5.3	(6.6) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-496537/3	UXM38829.D	07/26/2021	11:26
	CCV 240-496537/4	UXM38830.D	07/26/2021	11:50
	LCS 240-496537/5	UXM38831.D	07/26/2021	12:15
	MB 240-496537/8	UXM38834.D	07/26/2021	13:29
MSA-SW42B-071521	240-152946-18	UXM38845.D	07/26/2021	18:00
MSA-SW42D-071521	240-152946-20	UXM38846.D	07/26/2021	18:25
MSA-SW43A-071521	240-152946-21	UXM38847.D	07/26/2021	18:50
MSA-SW43B-071521	240-152946-22	UXM38848.D	07/26/2021	19:15

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab File ID: bfb869.d BFB Injection Date: 07/10/2021

Instrument ID: A3UX19 BFB Injection Time: 13:18

Analysis Batch No.: 494428

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.0	
75	30.0 - 60.0 % of mass 95	53.1	
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	91.6	
175	5.0 - 9.0 % of mass 174	7.4	(8.1) 1
176	95.0 - 101.0 % of mass 174	89.7	(98.0) 1
177	5.0 - 9.0 % of mass 176	5.9	(6.6) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-494428/9	U1922955.d	07/10/2021	14:02
	STD8260 240-494428/10	U1922956.d	07/10/2021	14:24
	STD8260 240-494428/11	U1922957.d	07/10/2021	14:46
	ICIS 240-494428/12	U1922958.d	07/10/2021	15:08
	STD8260 240-494428/13	U1922959.d	07/10/2021	15:30
	STD8260 240-494428/14	U1922960.d	07/10/2021	15:53
	STD8260 240-494428/15	U1922961.d	07/10/2021	16:15
	STD8260 240-494428/16	U1922962.d	07/10/2021	16:37
	ICV 240-494428/17	U1922963.d	07/10/2021	17:00

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab File ID: bfb870.d BFB Injection Date: 07/12/2021

Instrument ID: A3UX19 BFB Injection Time: 16:27

Analysis Batch No.: 494648

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.8	
75	30.0 - 60.0 % of mass 95	51.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.4	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	91.4	
175	5.0 - 9.0 % of mass 174	7.3	(8.0) 1
176	95.0 - 101.0 % of mass 174	88.2	(96.4) 1
177	5.0 - 9.0 % of mass 176	6.2	(7.0) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STDA9 240-494648/11	U1922975.d	07/12/2021	19:46
	STDA9 240-494648/12	U1922976.d	07/12/2021	20:09
	STDA9 240-494648/13	U1922977.d	07/12/2021	20:31
	STDA9 240-494648/14	U1922978.d	07/12/2021	20:53
	STDA9 240-494648/15	U1922979.d	07/12/2021	21:15
	STDA9 240-494648/16	U1922980.d	07/12/2021	21:37
	ICV 240-494648/17	U1922981.d	07/12/2021	22:00

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab File ID: bfb877.d BFB Injection Date: 07/23/2021

Instrument ID: A3UX19 BFB Injection Time: 14:59

Analysis Batch No.: 496393

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.7	
75	30.0 - 60.0 % of mass 95	54.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	82.9	
175	5.0 - 9.0 % of mass 174	7.0	(8.4) 1
176	95.0 - 101.0 % of mass 174	80.1	(96.6) 1
177	5.0 - 9.0 % of mass 176	5.3	(6.6) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-496393/3	U1923142.d	07/23/2021	15:21
	CCVIS 240-496393/4	U1923143.d	07/23/2021	15:43
	LCS 240-496393/5	U1923144.d	07/23/2021	16:05
	MB 240-496393/8	U1923147.d	07/23/2021	17:12
MSA-SW43C-071521	240-152946-23	U1923153.d	07/23/2021	19:26
MSA-SW43D-071521	240-152946-24	U1923154.d	07/23/2021	19:48
MSA-SW44A-071521	240-152946-25	U1923155.d	07/23/2021	20:10
MSA-SW44B-071521	240-152946-26	U1923156.d	07/23/2021	20:32
MSA-SW44C-071521	240-152946-27	U1923157.d	07/23/2021	20:54
MSA-SW44D-071521	240-152946-28	U1923158.d	07/23/2021	21:16
TB-071521	240-152946-29	U1923159.d	07/23/2021	21:39
MSA-SW46A-071521	240-152946-30	U1923160.d	07/23/2021	22:01
MSA-SW47A-071521	240-152946-31	U1923161.d	07/23/2021	22:23
MSA-SW48A-071521	240-152946-32	U1923162.d	07/23/2021	22:45
MSA-SW49A-071521	240-152946-33	U1923163.d	07/23/2021	23:08

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab File ID: BFB1296.D BFB Injection Date: 06/16/2021

Instrument ID: A3UX9 BFB Injection Time: 13:50

Analysis Batch No.: 490967

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.4	
75	30.0 - 60.0 % of mass 95	50.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	81.1	
175	5.0 - 9.0 % of mass 174	5.8	(7.1) 1
176	95.0 - 101.0 % of mass 174	78.9	(97.3) 1
177	5.0 - 9.0 % of mass 176	5.3	(6.7) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-490967/8	UX996077.D	06/16/2021	14:43
	STD8260 240-490967/9	UX996078.D	06/16/2021	15:06
	STD8260 240-490967/10	UX996079.D	06/16/2021	15:29
	ICIS 240-490967/11	UX996080.D	06/16/2021	15:52
	STD8260 240-490967/12	UX996081.D	06/16/2021	16:15
	STD8260 240-490967/13	UX996082.D	06/16/2021	16:38
	STD8260 240-490967/14	UX996083.D	06/16/2021	17:01
	ICV 240-490967/15	UX996084.D	06/16/2021	17:24
	STDA9 240-490967/18	UX996087.D	06/16/2021	18:33
	STDA9 240-490967/19	UX996088.D	06/16/2021	18:56
	STDA9 240-490967/20	UX996089.D	06/16/2021	19:20
	STDA9 240-490967/21	UX996090.D	06/16/2021	19:43
	STDA9 240-490967/22	UX996091.D	06/16/2021	20:06
	STDA9 240-490967/23	UX996092.D	06/16/2021	20:29
	ICV 240-490967/24	UX996093.D	06/16/2021	20:52

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab File ID: BFB1331.D BFB Injection Date: 07/20/2021

Instrument ID: A3UX9 BFB Injection Time: 09:55

Analysis Batch No.: 495770

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.3	
75	30.0 - 60.0 % of mass 95	56.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	85.7	
175	5.0 - 9.0 % of mass 174	7.2	(8.4) 1
176	95.0 - 101.0 % of mass 174	81.7	(95.3) 1
177	5.0 - 9.0 % of mass 176	5.5	(6.8) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-495770/3	UX996998.D	07/20/2021	10:22
	CCV 240-495770/4	UX996999.D	07/20/2021	10:45
	LCS 240-495770/5	UX997000.D	07/20/2021	11:07
	MB 240-495770/8	UX997003.D	07/20/2021	12:16
MSA-SW37A-071521	240-152946-1	UX997010.D	07/20/2021	15:09
MSA-SW37B-071521	240-152946-2	UX997011.D	07/20/2021	15:32
MSA-SW37C-071521	240-152946-3	UX997012.D	07/20/2021	15:55
MSA-SW37D-071521	240-152946-4	UX997013.D	07/20/2021	16:18
MSA-SW38A-071521	240-152946-5	UX997014.D	07/20/2021	16:41

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab File ID: BFB1332.D BFB Injection Date: 07/21/2021

Instrument ID: A3UX9 BFB Injection Time: 10:40

Analysis Batch No.: 495975

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.7	
75	30.0 - 60.0 % of mass 95	52.9	
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	87.9	
175	5.0 - 9.0 % of mass 174	6.7	(7.6) 1
176	95.0 - 101.0 % of mass 174	83.6	(95.2) 1
177	5.0 - 9.0 % of mass 176	5.7	(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
	CCVIS 240-495975/3	UX997031.D	07/21/2021	11:07
	CCV 240-495975/4	UX997032.D	07/21/2021	11:30
	LCS 240-495975/5	UX997033.D	07/21/2021	11:53
	MB 240-495975/8	UX997036.D	07/21/2021	13:02
MSA-SW38B-071521	240-152946-6	UX997055.D	07/21/2021	20:19

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab File ID: BFB1334.D BFB Injection Date: 07/22/2021

Instrument ID: A3UX9 BFB Injection Time: 10:38

Analysis Batch No.: 496159

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.0	
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	6.9	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	84.0	
175	5.0 - 9.0 % of mass 174	6.4	(7.6) 1
176	95.0 - 101.0 % of mass 174	80.7	(96.1) 1
177	5.0 - 9.0 % of mass 176	5.2	(6.5) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-496159/3	UX997063.D	07/22/2021	11:07
	CCV 240-496159/4	UX997064.D	07/22/2021	11:30
	LCS 240-496159/5	UX997065.D	07/22/2021	11:52
	MB 240-496159/8	UX997068.D	07/22/2021	13:01
	LCSD 240-496159/9	UX997069.D	07/22/2021	13:25
MSA-SW38C-071521	240-152946-7	UX997074.D	07/22/2021	15:19
MSA-SW38D-071521	240-152946-8	UX997075.D	07/22/2021	15:42
MSA-SW40A-071521	240-152946-9	UX997076.D	07/22/2021	16:05
MSA-SW40B-071521	240-152946-10	UX997077.D	07/22/2021	16:28
MSA-SW40C-071521	240-152946-11	UX997078.D	07/22/2021	16:51
MSA-SW40D-071521	240-152946-12	UX997079.D	07/22/2021	17:14
MSA-SW41A-071521	240-152946-13	UX997080.D	07/22/2021	17:37
MSA-SW41B-071521	240-152946-14	UX997081.D	07/22/2021	18:00
MSA-SW41C-071521	240-152946-15	UX997082.D	07/22/2021	18:23
MSA-SW41D-071521	240-152946-16	UX997083.D	07/22/2021	18:45
MSA-SW42A-071521	240-152946-17	UX997084.D	07/22/2021	19:08
MSA-SW42C-071521	240-152946-19	UX997086.D	07/22/2021	19:53

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Sample No.: ICIS 240-482539/12 Date Analyzed: 04/23/2021 13:16

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXM36562.D Heated Purge: (Y/N) N

Calibration ID: 61157

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1453811	5.85	1138182	8.56	621051	10.84
UPPER LIMIT		2907622	6.35	2276364	9.06	1242102	11.34
LOWER LIMIT		726906	5.35	569091	8.06	310526	10.34
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-482539/17		1382486	5.85	1086217	8.56	592489	10.83
ICV 240-482539/26		1313582	5.85	1020282	8.56	546295	10.84
CCVIS 240-496537/3		1035564	5.85	826860	8.56	481981	10.84

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Sample No.: CCVIS 240-496537/3 Date Analyzed: 07/26/2021 11:26

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXM38829.D Heated Purge: (Y/N) N

Calibration ID: 61161

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1035564	5.85	826860	8.56	481981	10.84
UPPER LIMIT		2071128	6.35	1653720	9.06	963962	11.34
LOWER LIMIT		517782	5.35	413430	8.06	240991	10.34
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-496537/4		936188	5.85	810099	8.56	452594	10.84
LCS 240-496537/5		1004212	5.85	826201	8.56	480939	10.84
MB 240-496537/8		766984	5.85	733762	8.56	430315	10.84
240-152946-18	MSA-SW42B-071521	812371	5.85	744420	8.56	439864	10.84
240-152946-20	MSA-SW42D-071521	830158	5.85	758075	8.56	439908	10.84
240-152946-21	MSA-SW43A-071521	773547	5.85	727788	8.56	424784	10.84
240-152946-22	MSA-SW43B-071521	782336	5.85	715472	8.56	417714	10.84

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Sample No.: ICIS 240-494428/12 Date Analyzed: 07/10/2021 15:08

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): U1922958.d Heated Purge: (Y/N) N

Calibration ID: 61910

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		908893	5.94	700460	8.45	391669	10.59
UPPER LIMIT		1817786	6.44	1400920	8.95	783338	11.09
LOWER LIMIT		454447	5.44	350230	7.95	195835	10.09
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-494428/17		861893	5.94	682891	8.45	376822	10.59
CCVIS 240-496393/4		653522	5.94	476760	8.46	255499	10.59

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Sample No.: CCVIS 240-496393/4 Date Analyzed: 07/23/2021 15:43

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): U1923143.d Heated Purge: (Y/N) N

Calibration ID: 61927

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		653522	5.94	476760	8.46	255499	10.59
UPPER LIMIT		1307044	6.44	953520	8.96	510998	11.09
LOWER LIMIT		326761	5.44	238380	7.96	127750	10.09
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 240-496393/5		705167	5.94	515615	8.45	276261	10.59
MB 240-496393/8		644631	5.94	464962	8.46	236383	10.59
240-152946-23	MSA-SW43C-071521	650833	5.94	473853	8.46	243083	10.59
240-152946-24	MSA-SW43D-071521	644032	5.94	462016	8.46	238397	10.59
240-152946-25	MSA-SW44A-071521	632772	5.94	456771	8.46	232448	10.59
240-152946-26	MSA-SW44B-071521	641611	5.94	458439	8.46	232189	10.59
240-152946-27	MSA-SW44C-071521	625796	5.94	456155	8.46	226317	10.59
240-152946-28	MSA-SW44D-071521	613023	5.94	439979	8.46	222601	10.59
240-152946-29	TB-071521	605702	5.94	447788	8.46	232472	10.59
240-152946-30	MSA-SW46A-071521	599676	5.94	431731	8.46	218813	10.59
240-152946-31	MSA-SW47A-071521	611957	5.94	438422	8.46	227408	10.59
240-152946-32	MSA-SW48A-071521	621067	5.94	454337	8.46	227242	10.59
240-152946-33	MSA-SW49A-071521	608542	5.94	439815	8.46	215950	10.59

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Sample No.: ICIS 240-490967/11 Date Analyzed: 06/16/2021 15:52

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UX996080.D Heated Purge: (Y/N) N

Calibration ID: 61772

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		808438	5.88	626941	8.57	339724	10.82
UPPER LIMIT		1616876	6.38	1253882	9.07	679448	11.32
LOWER LIMIT		404219	5.38	313471	8.07	169862	10.32
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-490967/15		853218	5.88	642240	8.57	347846	10.82
ICV 240-490967/24		831269	5.88	631041	8.58	327601	10.82
CCVIS 240-495770/3		654345	5.88	532006	8.58	300867	10.81
CCVIS 240-495975/3		747447	5.88	621124	8.58	339044	10.81
CCVIS 240-496159/3		820020	5.88	675893	8.58	364996	10.81

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Sample No.: CCVIS 240-495770/3 Date Analyzed: 07/20/2021 10:22

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UX996998.D Heated Purge: (Y/N) N

Calibration ID: 61776

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		654345	5.88	532006	8.58	300867	10.81
UPPER LIMIT		1308690	6.38	1064012	9.08	601734	11.31
LOWER LIMIT		327173	5.38	266003	8.08	150434	10.31
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-495770/4		647840	5.88	526443	8.58	285110	10.81
LCS 240-495770/5		641789	5.88	541773	8.58	297183	10.82
MB 240-495770/8		596559	5.88	494741	8.58	256537	10.81
240-152946-1	MSA-SW37A-071521	611228	5.88	516460	8.58	267000	10.81
240-152946-2	MSA-SW37B-071521	600745	5.88	501236	8.58	266800	10.82
240-152946-3	MSA-SW37C-071521	591580	5.88	503209	8.58	257356	10.81
240-152946-4	MSA-SW37D-071521	597591	5.88	498458	8.58	258094	10.81
240-152946-5	MSA-SW38A-071521	603269	5.88	511173	8.58	268652	10.82

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Sample No.: CCVIS 240-495975/3 Date Analyzed: 07/21/2021 11:07

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UX997031.D Heated Purge: (Y/N) N

Calibration ID: 61776

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		747447	5.88	621124	8.58	339044	10.81
UPPER LIMIT		1494894	6.38	1242248	9.08	678088	11.31
LOWER LIMIT		373724	5.38	310562	8.08	169522	10.31
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-495975/4		726348	5.88	606179	8.58	310400	10.82
LCS 240-495975/5		733977	5.88	621026	8.57	338387	10.81
MB 240-495975/8		731332	5.88	621957	8.57	324023	10.82
240-152946-6	MSA-SW38B-071521	672142	5.88	559922	8.58	297877	10.81

FB = Fluorobenzene
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4
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.: 240-152946-1

SDG No.: Frog Mortar Creek

Sample No.: CCVIS 240-496159/3 Date Analyzed: 07/22/2021 11:07

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UX997063.D Heated Purge: (Y/N) N

Calibration ID: 61776

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		820020	5.88	675893	8.58	364996	10.81
UPPER LIMIT		1640040	6.38	1351786	9.08	729992	11.31
LOWER LIMIT		410010	5.38	337947	8.08	182498	10.31
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-496159/4		758122	5.88	620737	8.58	335523	10.82
LCS 240-496159/5		763841	5.88	642976	8.58	347228	10.82
MB 240-496159/8		719872	5.88	589599	8.58	310185	10.81
LCSD 240-496159/9		751965	5.88	617779	8.58	349448	10.82
240-152946-7	MSA-SW38C-071521	712000	5.88	595756	8.57	308328	10.82
240-152946-8	MSA-SW38D-071521	731057	5.88	610134	8.58	314807	10.81
240-152946-9	MSA-SW40A-071521	688505	5.88	585139	8.57	297178	10.82
240-152946-10	MSA-SW40B-071521	700899	5.88	583027	8.58	298230	10.81
240-152946-11	MSA-SW40C-071521	738334	5.88	616659	8.58	321844	10.81
240-152946-12	MSA-SW40D-071521	697492	5.88	593426	8.58	304775	10.81
240-152946-13	MSA-SW41A-071521	698918	5.88	581654	8.58	302212	10.81
240-152946-14	MSA-SW41B-071521	679999	5.88	568331	8.58	286958	10.81
240-152946-15	MSA-SW41C-071521	644120	5.88	536510	8.58	272425	10.81
240-152946-16	MSA-SW41D-071521	576618	5.88	488175	8.58	247497	10.81
240-152946-17	MSA-SW42A-071521	561808	5.88	466578	8.57	238343	10.82
240-152946-19	MSA-SW42C-071521	465139	5.88	372782	8.58	184638	10.81

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

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ANALYTICAL REPORT

Job Number: 240-152946-1

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

Roxanne Cisneros

Approved for release.
Roxanne Cisneros
Senior Project Manager
7/28/2021 8:53 AM

Roxanne Cisneros, Senior Project Manager
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07/28/2021

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

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
E	Result exceeded calibration range.
U	Indicates the analyte was analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
T	Result is a tentatively identified compound (TIC) and an estimated value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
240-152946-1

Comments
No additional comments.

Receipt
The samples were received on 7/16/2021 12:27 PM. 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 5.8º C.

GC/MS VOA
Methods 8260C: The continuing calibration verification (CCV) analyzed in batch 240-495770 was outside the method criteria for the following analyte(s): Multiple Analytes. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. MSA-SW37A-071521 (240-152946-1), MSA-SW37B-071521 (240-152946-2), MSA-SW37C-071521 (240-152946-3), MSA-SW37D-071521 (240-152946-4), MSA-SW38A-071521 (240-152946-5) and (CCVIS 240-495770/3)

Method 8260C: 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-071521 (240-152946-1), MSA-SW37B-071521 (240-152946-2), MSA-SW37C-071521 (240-152946-3), MSA-SW37D-071521 (240-152946-4), MSA-SW38A-071521 (240-152946-5), MSA-SW38B-071521 (240-152946-6), MSA-SW38C-071521 (240-152946-7), MSA-SW38D-071521 (240-152946-8), MSA-SW40A-071521 (240-152946-9), MSA-SW40B-071521 (240-152946-10), MSA-SW40C-071521 (240-152946-11), MSA-SW40D-071521 (240-152946-12), MSA-SW41A-071521 (240-152946-13), MSA-SW41B-071521 (240-152946-14), MSA-SW41C-071521 (240-152946-15), MSA-SW41D-071521 (240-152946-16), MSA-SW42A-071521 (240-152946-17), MSA-SW42B-071521 (240-152946-18), MSA-SW42C-071521 (240-152946-19), MSA-SW42D-071521 (240-152946-20), MSA-SW43A-071521 (240-152946-21), MSA-SW43B-071521 (240-152946-22). MSA-SW43C-071521 (240-152946-23), MSA-SW43D-071521 (240-152946-24), MSA-SW44A-071521 (240-152946-25), MSA-SW44B-071521 (240-152946-26), MSA-SW44C-071521 (240-152946-27), MSA-SW44D-071521 (240-152946-28), TB-071521 (240-152946-29), MSA-SW46A-071521 (240-152946-30), MSA-SW47A-071521 (240-152946-31), MSA-SW48A-071521 (240-152946-32) and MSA-SW49A-071521 (240-152946-33). The requested target analyte list includes 2-Chloroethyl vinyl ether, an acid-labile compound that degrades in an acidic medium.

Methods 8260C: The continuing calibration verification (CCV) analyzed in batch 240-495975 was outside the method criteria for the following analyte(s): Multiple Analytes. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. MSA-SW38B-071521 (240-152946-6) and (CCVIS 240-495975/3)

Methods 8260C: The laboratory control sample (LCS) for analytical batch 240-495975 recovered outside control limits for the following analytes: Dichlorodi fluoromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. MSA-SW38B-071521 (240-152946-6) and (LCS 240-495975/5)

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 240-496393 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.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 240-496159 was outside the method criteria for the following analyte(s): Multiple Analytes. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. MSA-SW38C-071521 (240-152946-7), MSA-SW38D-071521 (240-152946-8), MSA-SW40A-071521 (240-152946-9), MSA-SW40B-071521 (240-152946-10), MSA-SW40C-071521 (240-152946-11), MSA-SW40D-071521 (240-152946-12), MSA-SW41A-071521 (240-152946-13), MSA-SW41B-071521 (240-152946-14), MSA-SW41C-071521 (240-152946-15), MSA-SW41D-071521 (240-152946-16), MSA-SW42A-071521 (240-152946-17) and MSA-SW42C-071521 (240-152946-19)

Method 8260C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 240-496159.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 240-496537 was outside the method criteria for the following analyte(s): 2-Chloroethyl vinyl ether and Vinyl acetate. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated. MSA-SW42B-071521 (240-152946-18), MSA-SW42D-071521 (240-152946-20), MSA-SW43A-071521 (240-152946-21), MSA-SW43B-071521 (240-152946-22) and (CCVIS 240-496537/3)

Method 8260C: The continuing calibration verification (CCV), laboratory control sample (LCS) and matrix spike (MS) exceeded calibration range but passed the % recovery limits. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. The samples associated with the standards were non-detects for Bromomethane; therefore, the data have been reported. The associated samples are impacted: (CCVIS 240-496537/3), (LCS 240-496537/5) and (240-153306-B-2 MS).

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

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

Detection Summary

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water

Job ID: 240-152946-1
SDG: Frog Mortar Creek

Client Sample ID: MSA-SW37A-071521 — Lab Sample ID: 240-152946-1

No Detections.

Client Sample ID: MSA-SW37B-071521 — Lab Sample ID: 240-152946-2

No Detections.

Client Sample ID: MSA-SW37C-071521 — Lab Sample ID: 240-152946-3

No Detections.

Client Sample ID: MSA-SW37D-071521 — Lab Sample ID: 240-152946-4

No Detections.

Client Sample ID: MSA-SW38A-071521 — Lab Sample ID: 240-152946-5

No Detections.

Client Sample ID: MSA-SW38B-071521 — Lab Sample ID: 240-152946-6

No Detections.

Client Sample ID: MSA-SW38C-071521 — Lab Sample ID: 240-152946-7

No Detections.

Client Sample ID: MSA-SW38D-071521 — Lab Sample ID: 240-152946-8

No Detections.

Client Sample ID: MSA-SW40A-071521 — Lab Sample ID: 240-152946-9

No Detections.

Client Sample ID: MSA-SW40B-071521 — Lab Sample ID: 240-152946-10

No Detections.

Client Sample ID: MSA-SW40C-071521 — Lab Sample ID: 240-152946-11

No Detections.

Client Sample ID: MSA-SW40D-071521 — Lab Sample ID: 240-152946-12

No Detections.

Client Sample ID: MSA-SW41A-071521 — Lab Sample ID: 240-152946-13

No Detections.

Client Sample ID: MSA-SW41B-071521 — Lab Sample ID: 240-152946-14

No Detections.

Client Sample ID: MSA-SW41C-071521 — Lab Sample ID: 240-152946-15

No Detections.

Client Sample ID: MSA-SW41D-071521 — Lab Sample ID: 240-152946-16

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water

Job ID: 240-152946-1
SDG: Frog Mortar Creek

Client Sample ID: MSA-SW42A-071521 — Lab Sample ID: 240-152946-17

No Detections.

Client Sample ID: MSA-SW42B-071521 — Lab Sample ID: 240-152946-18

No Detections.

Client Sample ID: MSA-SW42C-071521 — Lab Sample ID: 240-152946-19

No Detections.

Client Sample ID: MSA-SW42D-071521 — Lab Sample ID: 240-152946-20

No Detections.

Client Sample ID: MSA-SW43A-071521 — Lab Sample ID: 240-152946-21

No Detections.

Client Sample ID: MSA-SW43B-071521 — Lab Sample ID: 240-152946-22

No Detections.

Client Sample ID: MSA-SW43C-071521 — Lab Sample ID: 240-152946-23

No Detections.

Client Sample ID: MSA-SW43D-071521 — Lab Sample ID: 240-152946-24

No Detections.

Client Sample ID: MSA-SW44A-071521 — Lab Sample ID: 240-152946-25

No Detections.

Client Sample ID: MSA-SW44B-071521 — Lab Sample ID: 240-152946-26

No Detections.

Client Sample ID: MSA-SW44C-071521 — Lab Sample ID: 240-152946-27

No Detections.

Client Sample ID: MSA-SW44D-071521 — Lab Sample ID: 240-152946-28

No Detections.

Client Sample ID: TB-071521 — Lab Sample ID: 240-152946-29

No Detections.

Client Sample ID: MSA-SW46A-071521 — Lab Sample ID: 240-152946-30

No Detections.

Client Sample ID: MSA-SW47A-071521 — Lab Sample ID: 240-152946-31

No Detections.

Client Sample ID: MSA-SW48A-071521 — Lab Sample ID: 240-152946-32

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water

Job ID: 240-152946-1
SDG: Frog Mortar Creek

Client Sample ID: MSA-SW49A-071521

Lab Sample ID: 240-152946-33

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MSA-SW37A-071521

Date Collected: 07/15/21 09:21
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-1

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			07/20/21 15:09	1
Benzene	1.0	U	1.0	0.42	ug/L			07/20/21 15:09	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/20/21 15:09	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/20/21 15:09	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/20/21 15:09	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/20/21 15:09	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/20/21 15:09	1
2-Butanone	10	U	10	1.2	ug/L			07/20/21 15:09	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/20/21 15:09	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/20/21 15:09	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/20/21 15:09	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/20/21 15:09	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/20/21 15:09	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/20/21 15:09	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/20/21 15:09	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/20/21 15:09	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/20/21 15:09	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/20/21 15:09	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/20/21 15:09	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/20/21 15:09	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/20/21 15:09	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/20/21 15:09	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/20/21 15:09	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/20/21 15:09	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/20/21 15:09	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/20/21 15:09	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/20/21 15:09	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/20/21 15:09	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/20/21 15:09	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/20/21 15:09	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/20/21 15:09	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/20/21 15:09	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/20/21 15:09	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/20/21 15:09	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/20/21 15:09	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/20/21 15:09	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/20/21 15:09	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/20/21 15:09	1
2-Hexanone	10	U	10	1.1	ug/L			07/20/21 15:09	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/20/21 15:09	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/20/21 15:09	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/20/21 15:09	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/20/21 15:09	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/20/21 15:09	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/20/21 15:09	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/20/21 15:09	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/20/21 15:09	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/20/21 15:09	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/20/21 15:09	1

Client Sample ID: MSA-SW37A-071521

Lab Sample ID: 240-152946-1

Date Collected: 07/15/21 09:21
Matrix: Water
Date Received: 07/16/21 12:27

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			07/20/21 15:09	1
Styrene	1.0	U	1.0	0.45	ug/L			07/20/21 15:09	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/20/21 15:09	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/20/21 15:09	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/20/21 15:09	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/20/21 15:09	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/20/21 15:09	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/20/21 15:09	1
Toluene	1.0	U	1.0	0.44	ug/L			07/20/21 15:09	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/20/21 15:09	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/20/21 15:09	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/20/21 15:09	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/20/21 15:09	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/20/21 15:09	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/20/21 15:09	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/20/21 15:09	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/20/21 15:09	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/20/21 15:09	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/20/21 15:09	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/20/21 15:09	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/20/21 15:09	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/20/21 15:09	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/20/21 15:09	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*		*07/20/21 15:09*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/20/21 15:09*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*47 - 134*		*07/20/21 15:09*	*1*
Dibromofluoromethane (Surr)	*100*		*78 - 129*		*07/20/21 15:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 130*		*07/20/21 15:09*	*1*
Toluene-d8 (Surr)	*99*		*69 - 122*		*07/20/21 15:09*	*1*

Client Sample ID: MSA-SW37B-071521

Lab Sample ID: 240-152946-2

Date Collected: 07/15/21 09:23
Matrix: Water
Date Received: 07/16/21 12:27

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			07/20/21 15:32	1
Benzene	1.0	U	1.0	0.42	ug/L			07/20/21 15:32	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/20/21 15:32	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/20/21 15:32	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/20/21 15:32	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/20/21 15:32	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/20/21 15:32	1
2-Butanone	10	U	10	1.2	ug/L			07/20/21 15:32	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/20/21 15:32	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/20/21 15:32	1

Client Sample ID: MSA-SW37B-071521

Date Collected: 07/15/21 09:23
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-2

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			07/20/21 15:32	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/20/21 15:32	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/20/21 15:32	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/20/21 15:32	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/20/21 15:32	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/20/21 15:32	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/20/21 15:32	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/20/21 15:32	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/20/21 15:32	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/20/21 15:32	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/20/21 15:32	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/20/21 15:32	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/20/21 15:32	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/20/21 15:32	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/20/21 15:32	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/20/21 15:32	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/20/21 15:32	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/20/21 15:32	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/20/21 15:32	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/20/21 15:32	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/20/21 15:32	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/20/21 15:32	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/20/21 15:32	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/20/21 15:32	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/20/21 15:32	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/20/21 15:32	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/20/21 15:32	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/20/21 15:32	1
2-Hexanone	10	U	10	1.1	ug/L			07/20/21 15:32	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/20/21 15:32	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/20/21 15:32	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/20/21 15:32	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/20/21 15:32	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/20/21 15:32	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/20/21 15:32	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/20/21 15:32	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/20/21 15:32	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/20/21 15:32	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/20/21 15:32	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/20/21 15:32	1
Styrene	1.0	U	1.0	0.45	ug/L			07/20/21 15:32	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/20/21 15:32	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/20/21 15:32	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/20/21 15:32	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/20/21 15:32	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/20/21 15:32	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/20/21 15:32	1
Toluene	1.0	U	1.0	0.44	ug/L			07/20/21 15:32	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/20/21 15:32	1

Client Sample ID: MSA-SW37B-071521

Lab Sample ID: 240-152946-2

Date Collected: 07/15/21 09:23
Matrix: Water
Date Received: 07/16/21 12:27

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			07/20/21 15:32	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/20/21 15:32	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/20/21 15:32	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/20/21 15:32	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/20/21 15:32	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/20/21 15:32	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/20/21 15:32	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/20/21 15:32	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/20/21 15:32	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/20/21 15:32	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/20/21 15:32	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/20/21 15:32	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/20/21 15:32	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*		*07/20/21 15:32*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/20/21 15:32*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*47 - 134*		*07/20/21 15:32*	*1*
Dibromofluoromethane (Surr)	*100*		*78 - 129*		*07/20/21 15:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 130*		*07/20/21 15:32*	*1*
Toluene-d8 (Surr)	*100*		*69 - 122*		*07/20/21 15:32*	*1*

Client Sample ID: MSA-SW37C-071521

Lab Sample ID: 240-152946-3

Date Collected: 07/15/21 09:26
Matrix: Water
Date Received: 07/16/21 12:27

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			07/20/21 15:55	1
Benzene	1.0	U	1.0	0.42	ug/L			07/20/21 15:55	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/20/21 15:55	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/20/21 15:55	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/20/21 15:55	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/20/21 15:55	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/20/21 15:55	1
2-Butanone	10	U	10	1.2	ug/L			07/20/21 15:55	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/20/21 15:55	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/20/21 15:55	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/20/21 15:55	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/20/21 15:55	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/20/21 15:55	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/20/21 15:55	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/20/21 15:55	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/20/21 15:55	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/20/21 15:55	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/20/21 15:55	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/20/21 15:55	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/20/21 15:55	1

Client Sample ID: MSA-SW37C-071521

Date Collected: 07/15/21 09:26
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-3

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			07/20/21 15:55	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/20/21 15:55	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/20/21 15:55	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/20/21 15:55	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/20/21 15:55	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/20/21 15:55	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/20/21 15:55	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/20/21 15:55	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/20/21 15:55	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/20/21 15:55	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/20/21 15:55	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/20/21 15:55	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/20/21 15:55	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/20/21 15:55	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/20/21 15:55	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/20/21 15:55	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/20/21 15:55	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/20/21 15:55	1
2-Hexanone	10	U	10	1.1	ug/L			07/20/21 15:55	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/20/21 15:55	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/20/21 15:55	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/20/21 15:55	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/20/21 15:55	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/20/21 15:55	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/20/21 15:55	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/20/21 15:55	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/20/21 15:55	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/20/21 15:55	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/20/21 15:55	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/20/21 15:55	1
Styrene	1.0	U	1.0	0.45	ug/L			07/20/21 15:55	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/20/21 15:55	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/20/21 15:55	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/20/21 15:55	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/20/21 15:55	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/20/21 15:55	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/20/21 15:55	1
Toluene	1.0	U	1.0	0.44	ug/L			07/20/21 15:55	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/20/21 15:55	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/20/21 15:55	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/20/21 15:55	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/20/21 15:55	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/20/21 15:55	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/20/21 15:55	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/20/21 15:55	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/20/21 15:55	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/20/21 15:55	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/20/21 15:55	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/20/21 15:55	1

Client Sample ID: MSA-SW37C-071521

Lab Sample ID: 240-152946-3

Date Collected: 07/15/21 09:26
Date Received: 07/16/21 12:27

Matrix: Water

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			07/20/21 15:55	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/20/21 15:55	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/20/21 15:55	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*		*07/20/21 15:55*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/20/21 15:55*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*47 - 134*		*07/20/21 15:55*	*1*
Dibromofluoromethane (Surr)	*98*		*78 - 129*		*07/20/21 15:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 130*		*07/20/21 15:55*	*1*
Toluene-d8 (Surr)	*99*		*69 - 122*		*07/20/21 15:55*	*1*

Client Sample ID: MSA-SW37D-071521

Lab Sample ID: 240-152946-4

Date Collected: 07/15/21 09:28
Date Received: 07/16/21 12:27

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			07/20/21 16:18	1
Benzene	1.0	U	1.0	0.42	ug/L			07/20/21 16:18	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/20/21 16:18	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/20/21 16:18	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/20/21 16:18	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/20/21 16:18	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/20/21 16:18	1
2-Butanone	10	U	10	1.2	ug/L			07/20/21 16:18	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/20/21 16:18	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/20/21 16:18	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/20/21 16:18	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/20/21 16:18	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/20/21 16:18	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/20/21 16:18	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/20/21 16:18	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/20/21 16:18	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/20/21 16:18	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/20/21 16:18	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/20/21 16:18	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/20/21 16:18	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/20/21 16:18	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/20/21 16:18	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/20/21 16:18	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/20/21 16:18	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/20/21 16:18	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/20/21 16:18	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/20/21 16:18	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/20/21 16:18	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/20/21 16:18	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/20/21 16:18	1

Client Sample ID: MSA-SW37D-071521

Date Collected: 07/15/21 09:28
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-4

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			07/20/21 16:18	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/20/21 16:18	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/20/21 16:18	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/20/21 16:18	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/20/21 16:18	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/20/21 16:18	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/20/21 16:18	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/20/21 16:18	1
2-Hexanone	10	U	10	1.1	ug/L			07/20/21 16:18	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/20/21 16:18	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/20/21 16:18	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/20/21 16:18	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/20/21 16:18	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/20/21 16:18	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/20/21 16:18	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/20/21 16:18	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/20/21 16:18	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/20/21 16:18	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/20/21 16:18	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/20/21 16:18	1
Styrene	1.0	U	1.0	0.45	ug/L			07/20/21 16:18	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/20/21 16:18	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/20/21 16:18	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/20/21 16:18	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/20/21 16:18	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/20/21 16:18	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/20/21 16:18	1
Toluene	1.0	U	1.0	0.44	ug/L			07/20/21 16:18	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/20/21 16:18	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/20/21 16:18	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/20/21 16:18	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/20/21 16:18	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/20/21 16:18	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/20/21 16:18	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/20/21 16:18	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/20/21 16:18	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/20/21 16:18	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/20/21 16:18	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/20/21 16:18	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/20/21 16:18	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/20/21 16:18	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/20/21 16:18	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*		*07/20/21 16:18*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/20/21 16:18*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*47 - 134*		*07/20/21 16:18*	*1*
Dibromofluoromethane (Surr)	*95*		*78 - 129*		*07/20/21 16:18*	*1*

Client Sample ID: MSA-SW37D-071521

Lab Sample ID: 240-152946-4

Date Collected: 07/15/21 09:28
Matrix: Water
Date Received: 07/16/21 12:27

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*75 - 130*		*07/20/21 16:18*	*1*
Toluene-d8 (Surr)	*99*		*69 - 122*		*07/20/21 16:18*	*1*

Client Sample ID: MSA-SW38A-071521

Lab Sample ID: 240-152946-5

Date Collected: 07/15/21 08:34
Matrix: Water
Date Received: 07/16/21 12:27

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			07/20/21 16:41	1
Benzene	1.0	U	1.0	0.42	ug/L			07/20/21 16:41	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/20/21 16:41	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/20/21 16:41	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/20/21 16:41	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/20/21 16:41	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/20/21 16:41	1
2-Butanone	10	U	10	1.2	ug/L			07/20/21 16:41	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/20/21 16:41	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/20/21 16:41	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/20/21 16:41	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/20/21 16:41	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/20/21 16:41	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/20/21 16:41	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/20/21 16:41	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/20/21 16:41	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/20/21 16:41	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/20/21 16:41	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/20/21 16:41	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/20/21 16:41	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/20/21 16:41	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/20/21 16:41	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/20/21 16:41	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/20/21 16:41	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/20/21 16:41	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/20/21 16:41	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/20/21 16:41	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/20/21 16:41	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/20/21 16:41	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/20/21 16:41	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/20/21 16:41	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/20/21 16:41	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/20/21 16:41	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/20/21 16:41	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/20/21 16:41	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/20/21 16:41	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/20/21 16:41	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/20/21 16:41	1
2-Hexanone	10	U	10	1.1	ug/L			07/20/21 16:41	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/20/21 16:41	1

Client Sample ID: MSA-SW38A-071521

Lab Sample ID: 240-152946-5

Date Collected: 07/15/21 08:34
Matrix: Water
Date Received: 07/16/21 12:27

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			07/20/21 16:41	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/20/21 16:41	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/20/21 16:41	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/20/21 16:41	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/20/21 16:41	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/20/21 16:41	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/20/21 16:41	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/20/21 16:41	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/20/21 16:41	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/20/21 16:41	1
Styrene	1.0	U	1.0	0.45	ug/L			07/20/21 16:41	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/20/21 16:41	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/20/21 16:41	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/20/21 16:41	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/20/21 16:41	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/20/21 16:41	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/20/21 16:41	1
Toluene	1.0	U	1.0	0.44	ug/L			07/20/21 16:41	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/20/21 16:41	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/20/21 16:41	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/20/21 16:41	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/20/21 16:41	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/20/21 16:41	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/20/21 16:41	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/20/21 16:41	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/20/21 16:41	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/20/21 16:41	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/20/21 16:41	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/20/21 16:41	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/20/21 16:41	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/20/21 16:41	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/20/21 16:41	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*		*07/20/21 16:41*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/20/21 16:41*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*47 - 134*		*07/20/21 16:41*	*1*
Dibromofluoromethane (Surr)	*94*		*78 - 129*		*07/20/21 16:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 130*		*07/20/21 16:41*	*1*
Toluene-d8 (Surr)	*96*		*69 - 122*		*07/20/21 16:41*	*1*

Client Sample ID: MSA-SW38B-071521

Lab Sample ID: 240-152946-6

Date Collected: 07/15/21 08:36
Matrix: Water
Date Received: 07/16/21 12:27

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			07/21/21 20:19	1

Client Sample ID: MSA-SW38B-071521

Date Collected: 07/15/21 08:36
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-6

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			07/21/21 20:19	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/21/21 20:19	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/21/21 20:19	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/21/21 20:19	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/21/21 20:19	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/21/21 20:19	1
2-Butanone	10	U	10	1.2	ug/L			07/21/21 20:19	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/21/21 20:19	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/21/21 20:19	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/21/21 20:19	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/21/21 20:19	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/21/21 20:19	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/21/21 20:19	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/21/21 20:19	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/21/21 20:19	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/21/21 20:19	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/21/21 20:19	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/21/21 20:19	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/21/21 20:19	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/21/21 20:19	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/21/21 20:19	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/21/21 20:19	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/21/21 20:19	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/21/21 20:19	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/21/21 20:19	1
Dichlorodifluoromethane	1.0	U *+	1.0	0.35	ug/L			07/21/21 20:19	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/21/21 20:19	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/21/21 20:19	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/21/21 20:19	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/21/21 20:19	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/21/21 20:19	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/21/21 20:19	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/21/21 20:19	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/21/21 20:19	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/21/21 20:19	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/21/21 20:19	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/21/21 20:19	1
2-Hexanone	10	U	10	1.1	ug/L			07/21/21 20:19	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/21/21 20:19	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/21/21 20:19	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/21/21 20:19	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/21/21 20:19	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/21/21 20:19	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/21/21 20:19	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/21/21 20:19	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/21/21 20:19	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/21/21 20:19	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/21/21 20:19	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/21/21 20:19	1

Client Sample ID: MSA-SW38B-071521

Lab Sample ID: 240-152946-6

Date Collected: 07/15/21 08:36
Matrix: Water
Date Received: 07/16/21 12:27

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			07/21/21 20:19	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/21/21 20:19	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/21/21 20:19	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/21/21 20:19	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/21/21 20:19	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/21/21 20:19	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/21/21 20:19	1
Toluene	1.0	U	1.0	0.44	ug/L			07/21/21 20:19	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/21/21 20:19	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/21/21 20:19	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/21/21 20:19	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/21/21 20:19	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/21/21 20:19	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/21/21 20:19	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/21/21 20:19	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/21/21 20:19	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/21/21 20:19	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/21/21 20:19	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/21/21 20:19	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/21/21 20:19	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/21/21 20:19	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/21/21 20:19	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*		*07/21/21 20:19*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/21/21 20:19*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*47 - 134*		*07/21/21 20:19*	*1*
Dibromofluoromethane (Surr)	*100*		*78 - 129*		*07/21/21 20:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 130*		*07/21/21 20:19*	*1*
Toluene-d8 (Surr)	*101*		*69 - 122*		*07/21/21 20:19*	*1*

Client Sample ID: MSA-SW38C-071521

Lab Sample ID: 240-152946-7

Date Collected: 07/15/21 08:38
Matrix: Water
Date Received: 07/16/21 12:27

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			07/22/21 15:19	1
Benzene	1.0	U	1.0	0.42	ug/L			07/22/21 15:19	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/22/21 15:19	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/22/21 15:19	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/22/21 15:19	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/22/21 15:19	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/22/21 15:19	1
2-Butanone	10	U	10	1.2	ug/L			07/22/21 15:19	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/22/21 15:19	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/22/21 15:19	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/22/21 15:19	1

Client Sample ID: MSA-SW38C-071521

Date Collected: 07/15/21 08:38
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-7

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			07/22/21 15:19	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/22/21 15:19	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/22/21 15:19	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/22/21 15:19	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/22/21 15:19	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/22/21 15:19	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/22/21 15:19	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/22/21 15:19	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/22/21 15:19	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/22/21 15:19	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/22/21 15:19	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/22/21 15:19	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/22/21 15:19	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/22/21 15:19	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/22/21 15:19	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/22/21 15:19	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/22/21 15:19	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/22/21 15:19	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/22/21 15:19	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/22/21 15:19	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/22/21 15:19	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/22/21 15:19	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/22/21 15:19	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/22/21 15:19	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/22/21 15:19	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/22/21 15:19	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/22/21 15:19	1
2-Hexanone	10	U	10	1.1	ug/L			07/22/21 15:19	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/22/21 15:19	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/22/21 15:19	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/22/21 15:19	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/22/21 15:19	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/22/21 15:19	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/22/21 15:19	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/22/21 15:19	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/22/21 15:19	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/22/21 15:19	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/22/21 15:19	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/22/21 15:19	1
Styrene	1.0	U	1.0	0.45	ug/L			07/22/21 15:19	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/22/21 15:19	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/22/21 15:19	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/22/21 15:19	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/22/21 15:19	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/22/21 15:19	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/22/21 15:19	1
Toluene	1.0	U	1.0	0.44	ug/L			07/22/21 15:19	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/22/21 15:19	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/22/21 15:19	1

Client Sample ID: MSA-SW38C-071521

Lab Sample ID: 240-152946-7

Date Collected: 07/15/21 08:38
Matrix: Water
Date Received: 07/16/21 12:27

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			07/22/21 15:19	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/22/21 15:19	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/22/21 15:19	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/22/21 15:19	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/22/21 15:19	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/22/21 15:19	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/22/21 15:19	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/22/21 15:19	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/22/21 15:19	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/22/21 15:19	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/22/21 15:19	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/22/21 15:19	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*		*07/22/21 15:19*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/22/21 15:19*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*47 - 134*		*07/22/21 15:19*	*1*
Dibromofluoromethane (Surr)	*96*		*78 - 129*		*07/22/21 15:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 130*		*07/22/21 15:19*	*1*
Toluene-d8 (Surr)	*99*		*69 - 122*		*07/22/21 15:19*	*1*

Client Sample ID: MSA-SW38D-071521

Lab Sample ID: 240-152946-8

Date Collected: 07/15/21 08:41
Matrix: Water
Date Received: 07/16/21 12:27

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			07/22/21 15:42	1
Benzene	1.0	U	1.0	0.42	ug/L			07/22/21 15:42	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/22/21 15:42	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/22/21 15:42	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/22/21 15:42	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/22/21 15:42	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/22/21 15:42	1
2-Butanone	10	U	10	1.2	ug/L			07/22/21 15:42	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/22/21 15:42	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/22/21 15:42	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/22/21 15:42	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/22/21 15:42	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/22/21 15:42	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/22/21 15:42	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/22/21 15:42	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/22/21 15:42	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/22/21 15:42	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/22/21 15:42	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/22/21 15:42	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/22/21 15:42	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/22/21 15:42	1

Client Sample ID: MSA-SW38D-071521

Date Collected: 07/15/21 08:41
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-8

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			07/22/21 15:42	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/22/21 15:42	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/22/21 15:42	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/22/21 15:42	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/22/21 15:42	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/22/21 15:42	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/22/21 15:42	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/22/21 15:42	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/22/21 15:42	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/22/21 15:42	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/22/21 15:42	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/22/21 15:42	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/22/21 15:42	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/22/21 15:42	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/22/21 15:42	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/22/21 15:42	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/22/21 15:42	1
2-Hexanone	10	U	10	1.1	ug/L			07/22/21 15:42	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/22/21 15:42	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/22/21 15:42	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/22/21 15:42	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/22/21 15:42	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/22/21 15:42	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/22/21 15:42	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/22/21 15:42	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/22/21 15:42	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/22/21 15:42	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/22/21 15:42	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/22/21 15:42	1
Styrene	1.0	U	1.0	0.45	ug/L			07/22/21 15:42	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/22/21 15:42	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/22/21 15:42	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/22/21 15:42	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/22/21 15:42	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/22/21 15:42	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/22/21 15:42	1
Toluene	1.0	U	1.0	0.44	ug/L			07/22/21 15:42	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/22/21 15:42	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/22/21 15:42	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/22/21 15:42	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/22/21 15:42	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/22/21 15:42	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/22/21 15:42	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/22/21 15:42	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/22/21 15:42	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/22/21 15:42	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/22/21 15:42	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/22/21 15:42	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/22/21 15:42	1

Client Sample ID: MSA-SW38D-071521

Lab Sample ID: 240-152946-8

Date Collected: 07/15/21 08:41
Matrix: Water
Date Received: 07/16/21 12:27

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			07/22/21 15:42	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/22/21 15:42	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*		*07/22/21 15:42*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/22/21 15:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*47 - 134*		*07/22/21 15:42*	*1*
Dibromofluoromethane (Surr)	*98*		*78 - 129*		*07/22/21 15:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 130*		*07/22/21 15:42*	*1*
Toluene-d8 (Surr)	*99*		*69 - 122*		*07/22/21 15:42*	*1*

Client Sample ID: MSA-SW40A-071521

Lab Sample ID: 240-152946-9

Date Collected: 07/15/21 08:51
Matrix: Water
Date Received: 07/16/21 12:27

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			07/22/21 16:05	1
Benzene	1.0	U	1.0	0.42	ug/L			07/22/21 16:05	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/22/21 16:05	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/22/21 16:05	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/22/21 16:05	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/22/21 16:05	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/22/21 16:05	1
2-Butanone	10	U	10	1.2	ug/L			07/22/21 16:05	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/22/21 16:05	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/22/21 16:05	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/22/21 16:05	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/22/21 16:05	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/22/21 16:05	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/22/21 16:05	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/22/21 16:05	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/22/21 16:05	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/22/21 16:05	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/22/21 16:05	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/22/21 16:05	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/22/21 16:05	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/22/21 16:05	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/22/21 16:05	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/22/21 16:05	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/22/21 16:05	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/22/21 16:05	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/22/21 16:05	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/22/21 16:05	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/22/21 16:05	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/22/21 16:05	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/22/21 16:05	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/22/21 16:05	1

Client Sample ID: MSA-SW40A-071521

Date Collected: 07/15/21 08:51
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-9

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			07/22/21 16:05	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/22/21 16:05	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/22/21 16:05	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/22/21 16:05	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/22/21 16:05	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/22/21 16:05	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/22/21 16:05	1
2-Hexanone	10	U	10	1.1	ug/L			07/22/21 16:05	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/22/21 16:05	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/22/21 16:05	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/22/21 16:05	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/22/21 16:05	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/22/21 16:05	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/22/21 16:05	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/22/21 16:05	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/22/21 16:05	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/22/21 16:05	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/22/21 16:05	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/22/21 16:05	1
Styrene	1.0	U	1.0	0.45	ug/L			07/22/21 16:05	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/22/21 16:05	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/22/21 16:05	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/22/21 16:05	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/22/21 16:05	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/22/21 16:05	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/22/21 16:05	1
Toluene	1.0	U	1.0	0.44	ug/L			07/22/21 16:05	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/22/21 16:05	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/22/21 16:05	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/22/21 16:05	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/22/21 16:05	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/22/21 16:05	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/22/21 16:05	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/22/21 16:05	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/22/21 16:05	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/22/21 16:05	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/22/21 16:05	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/22/21 16:05	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/22/21 16:05	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/22/21 16:05	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/22/21 16:05	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*		*07/22/21 16:05*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/22/21 16:05*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*47 - 134*		*07/22/21 16:05*	*1*
Dibromofluoromethane (Surr)	*99*		*78 - 129*		*07/22/21 16:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 130*		*07/22/21 16:05*	*1*

Client Sample ID: MSA-SW40A-071521

Lab Sample ID: 240-152946-9

Date Collected: 07/15/21 08:51
Matrix: Water
Date Received: 07/16/21 12:27

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*69 - 122*		*07/22/21 16:05*	*1*

Client Sample ID: MSA-SW40B-071521

Lab Sample ID: 240-152946-10

Date Collected: 07/15/21 08:54
Matrix: Water
Date Received: 07/16/21 12:27

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			07/22/21 16:28	1
Benzene	1.0	U	1.0	0.42	ug/L			07/22/21 16:28	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/22/21 16:28	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/22/21 16:28	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/22/21 16:28	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/22/21 16:28	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/22/21 16:28	1
2-Butanone	10	U	10	1.2	ug/L			07/22/21 16:28	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/22/21 16:28	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/22/21 16:28	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/22/21 16:28	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/22/21 16:28	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/22/21 16:28	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/22/21 16:28	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/22/21 16:28	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/22/21 16:28	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/22/21 16:28	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/22/21 16:28	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/22/21 16:28	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/22/21 16:28	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/22/21 16:28	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/22/21 16:28	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/22/21 16:28	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/22/21 16:28	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/22/21 16:28	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/22/21 16:28	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/22/21 16:28	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/22/21 16:28	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/22/21 16:28	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/22/21 16:28	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/22/21 16:28	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/22/21 16:28	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/22/21 16:28	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/22/21 16:28	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/22/21 16:28	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/22/21 16:28	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/22/21 16:28	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/22/21 16:28	1
2-Hexanone	10	U	10	1.1	ug/L			07/22/21 16:28	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/22/21 16:28	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/22/21 16:28	1

Client Sample ID: MSA-SW40B-071521

Lab Sample ID: 240-152946-10

Date Collected: 07/15/21 08:54
Date Received: 07/16/21 12:27

Matrix: Water

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			07/22/21 16:28	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/22/21 16:28	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/22/21 16:28	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/22/21 16:28	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/22/21 16:28	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/22/21 16:28	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/22/21 16:28	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/22/21 16:28	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/22/21 16:28	1
Styrene	1.0	U	1.0	0.45	ug/L			07/22/21 16:28	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/22/21 16:28	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/22/21 16:28	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/22/21 16:28	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/22/21 16:28	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/22/21 16:28	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/22/21 16:28	1
Toluene	1.0	U	1.0	0.44	ug/L			07/22/21 16:28	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/22/21 16:28	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/22/21 16:28	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/22/21 16:28	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/22/21 16:28	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/22/21 16:28	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/22/21 16:28	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/22/21 16:28	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/22/21 16:28	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/22/21 16:28	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/22/21 16:28	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/22/21 16:28	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/22/21 16:28	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/22/21 16:28	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/22/21 16:28	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*		*07/22/21 16:28*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/22/21 16:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*47 - 134*		*07/22/21 16:28*	*1*
Dibromofluoromethane (Surr)	*98*		*78 - 129*		*07/22/21 16:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 130*		*07/22/21 16:28*	*1*
Toluene-d8 (Surr)	*100*		*69 - 122*		*07/22/21 16:28*	*1*

Client Sample ID: MSA-SW40C-071521

Lab Sample ID: 240-152946-11

Date Collected: 07/15/21 08:57
Date Received: 07/16/21 12:27

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			07/22/21 16:51	1
Benzene	1.0	U	1.0	0.42	ug/L			07/22/21 16:51	1

Client Sample ID: MSA-SW40C-071521

Date Collected: 07/15/21 08:57
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-11

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			07/22/21 16:51	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/22/21 16:51	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/22/21 16:51	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/22/21 16:51	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/22/21 16:51	1
2-Butanone	10	U	10	1.2	ug/L			07/22/21 16:51	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/22/21 16:51	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/22/21 16:51	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/22/21 16:51	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/22/21 16:51	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/22/21 16:51	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/22/21 16:51	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/22/21 16:51	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/22/21 16:51	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/22/21 16:51	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/22/21 16:51	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/22/21 16:51	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/22/21 16:51	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/22/21 16:51	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/22/21 16:51	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/22/21 16:51	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/22/21 16:51	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/22/21 16:51	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/22/21 16:51	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/22/21 16:51	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/22/21 16:51	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/22/21 16:51	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/22/21 16:51	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/22/21 16:51	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/22/21 16:51	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/22/21 16:51	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/22/21 16:51	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/22/21 16:51	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/22/21 16:51	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/22/21 16:51	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/22/21 16:51	1
2-Hexanone	10	U	10	1.1	ug/L			07/22/21 16:51	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/22/21 16:51	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/22/21 16:51	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/22/21 16:51	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/22/21 16:51	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/22/21 16:51	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/22/21 16:51	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/22/21 16:51	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/22/21 16:51	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/22/21 16:51	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/22/21 16:51	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/22/21 16:51	1
Styrene	1.0	U	1.0	0.45	ug/L			07/22/21 16:51	1

Client Sample ID: MSA-SW40C-071521

Date Collected: 07/15/21 08:57
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-11

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			07/22/21 16:51	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/22/21 16:51	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/22/21 16:51	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/22/21 16:51	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/22/21 16:51	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/22/21 16:51	1
Toluene	1.0	U	1.0	0.44	ug/L			07/22/21 16:51	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/22/21 16:51	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/22/21 16:51	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/22/21 16:51	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/22/21 16:51	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/22/21 16:51	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/22/21 16:51	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/22/21 16:51	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/22/21 16:51	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/22/21 16:51	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/22/21 16:51	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/22/21 16:51	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/22/21 16:51	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/22/21 16:51	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/22/21 16:51	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*		*07/22/21 16:51*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/22/21 16:51*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*47 - 134*		*07/22/21 16:51*	*1*
Dibromofluoromethane (Surr)	*96*		*78 - 129*		*07/22/21 16:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 130*		*07/22/21 16:51*	*1*
Toluene-d8 (Surr)	*97*		*69 - 122*		*07/22/21 16:51*	*1*

Client Sample ID: MSA-SW40D-071521

Date Collected: 07/15/21 09:00
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-12

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			07/22/21 17:14	1
Benzene	1.0	U	1.0	0.42	ug/L			07/22/21 17:14	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/22/21 17:14	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/22/21 17:14	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/22/21 17:14	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/22/21 17:14	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/22/21 17:14	1
2-Butanone	10	U	10	1.2	ug/L			07/22/21 17:14	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/22/21 17:14	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/22/21 17:14	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/22/21 17:14	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/22/21 17:14	1

Client Sample ID: MSA-SW40D-071521
Date Collected: 07/15/21 09:00
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-12
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			07/22/21 17:14	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/22/21 17:14	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/22/21 17:14	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/22/21 17:14	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/22/21 17:14	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/22/21 17:14	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/22/21 17:14	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/22/21 17:14	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/22/21 17:14	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/22/21 17:14	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/22/21 17:14	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/22/21 17:14	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/22/21 17:14	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/22/21 17:14	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/22/21 17:14	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/22/21 17:14	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/22/21 17:14	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/22/21 17:14	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/22/21 17:14	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/22/21 17:14	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/22/21 17:14	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/22/21 17:14	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/22/21 17:14	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/22/21 17:14	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/22/21 17:14	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/22/21 17:14	1
2-Hexanone	10	U	10	1.1	ug/L			07/22/21 17:14	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/22/21 17:14	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/22/21 17:14	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/22/21 17:14	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/22/21 17:14	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/22/21 17:14	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/22/21 17:14	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/22/21 17:14	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/22/21 17:14	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/22/21 17:14	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/22/21 17:14	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/22/21 17:14	1
Styrene	1.0	U	1.0	0.45	ug/L			07/22/21 17:14	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/22/21 17:14	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/22/21 17:14	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/22/21 17:14	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/22/21 17:14	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/22/21 17:14	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/22/21 17:14	1
Toluene	1.0	U	1.0	0.44	ug/L			07/22/21 17:14	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/22/21 17:14	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/22/21 17:14	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/22/21 17:14	1

Client Sample ID: MSA-SW40D-071521

Lab Sample ID: 240-152946-12

Date Collected: 07/15/21 09:00
Matrix: Water
Date Received: 07/16/21 12:27

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			07/22/21 17:14	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/22/21 17:14	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/22/21 17:14	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/22/21 17:14	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/22/21 17:14	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/22/21 17:14	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/22/21 17:14	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/22/21 17:14	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/22/21 17:14	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/22/21 17:14	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/22/21 17:14	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*		*07/22/21 17:14*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/22/21 17:14*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*47 - 134*		*07/22/21 17:14*	*1*
Dibromofluoromethane (Surr)	*98*		*78 - 129*		*07/22/21 17:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 130*		*07/22/21 17:14*	*1*
Toluene-d8 (Surr)	*97*		*69 - 122*		*07/22/21 17:14*	*1*

Client Sample ID: MSA-SW41A-071521

Lab Sample ID: 240-152946-13

Date Collected: 07/15/21 08:18
Matrix: Water
Date Received: 07/16/21 12:27

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			07/22/21 17:37	1
Benzene	1.0	U	1.0	0.42	ug/L			07/22/21 17:37	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/22/21 17:37	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/22/21 17:37	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/22/21 17:37	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/22/21 17:37	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/22/21 17:37	1
2-Butanone	10	U	10	1.2	ug/L			07/22/21 17:37	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/22/21 17:37	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/22/21 17:37	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/22/21 17:37	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/22/21 17:37	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/22/21 17:37	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/22/21 17:37	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/22/21 17:37	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/22/21 17:37	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/22/21 17:37	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/22/21 17:37	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/22/21 17:37	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/22/21 17:37	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/22/21 17:37	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/22/21 17:37	1

Client Sample ID: MSA-SW41A-071521

Date Collected: 07/15/21 08:18
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-13

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			07/22/21 17:37	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/22/21 17:37	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/22/21 17:37	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/22/21 17:37	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/22/21 17:37	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/22/21 17:37	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/22/21 17:37	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/22/21 17:37	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/22/21 17:37	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/22/21 17:37	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/22/21 17:37	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/22/21 17:37	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/22/21 17:37	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/22/21 17:37	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/22/21 17:37	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/22/21 17:37	1
2-Hexanone	10	U	10	1.1	ug/L			07/22/21 17:37	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/22/21 17:37	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/22/21 17:37	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/22/21 17:37	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/22/21 17:37	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/22/21 17:37	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/22/21 17:37	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/22/21 17:37	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/22/21 17:37	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/22/21 17:37	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/22/21 17:37	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/22/21 17:37	1
Styrene	1.0	U	1.0	0.45	ug/L			07/22/21 17:37	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/22/21 17:37	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/22/21 17:37	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/22/21 17:37	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/22/21 17:37	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/22/21 17:37	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/22/21 17:37	1
Toluene	1.0	U	1.0	0.44	ug/L			07/22/21 17:37	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/22/21 17:37	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/22/21 17:37	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/22/21 17:37	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/22/21 17:37	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/22/21 17:37	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/22/21 17:37	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/22/21 17:37	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/22/21 17:37	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/22/21 17:37	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/22/21 17:37	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/22/21 17:37	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/22/21 17:37	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/22/21 17:37	1

Client Sample ID: MSA-SW41A-071521

Lab Sample ID: 240-152946-13

Date Collected: 07/15/21 08:18

Matrix: Water

Date Received: 07/16/21 12:27

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			07/22/21 17:37	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*		*07/22/21 17:37*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/22/21 17:37*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*47 - 134*		*07/22/21 17:37*	*1*
Dibromofluoromethane (Surr)	*97*		*78 - 129*		*07/22/21 17:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 130*		*07/22/21 17:37*	*1*
Toluene-d8 (Surr)	*101*		*69 - 122*		*07/22/21 17:37*	*1*

Client Sample ID: MSA-SW41B-071521

Lab Sample ID: 240-152946-14

Date Collected: 07/15/21 08:21

Matrix: Water

Date Received: 07/16/21 12:27

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			07/22/21 18:00	1
Benzene	1.0	U	1.0	0.42	ug/L			07/22/21 18:00	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/22/21 18:00	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/22/21 18:00	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/22/21 18:00	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/22/21 18:00	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/22/21 18:00	1
2-Butanone	10	U	10	1.2	ug/L			07/22/21 18:00	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/22/21 18:00	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/22/21 18:00	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/22/21 18:00	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/22/21 18:00	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/22/21 18:00	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/22/21 18:00	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/22/21 18:00	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/22/21 18:00	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/22/21 18:00	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/22/21 18:00	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/22/21 18:00	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/22/21 18:00	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/22/21 18:00	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/22/21 18:00	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/22/21 18:00	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/22/21 18:00	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/22/21 18:00	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/22/21 18:00	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/22/21 18:00	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/22/21 18:00	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/22/21 18:00	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/22/21 18:00	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/22/21 18:00	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/22/21 18:00	1

Client Sample ID: MSA-SW41B-071521

Date Collected: 07/15/21 08:21
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-14

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			07/22/21 18:00	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/22/21 18:00	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/22/21 18:00	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/22/21 18:00	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/22/21 18:00	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/22/21 18:00	1
2-Hexanone	10	U	10	1.1	ug/L			07/22/21 18:00	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/22/21 18:00	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/22/21 18:00	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/22/21 18:00	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/22/21 18:00	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/22/21 18:00	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/22/21 18:00	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/22/21 18:00	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/22/21 18:00	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/22/21 18:00	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/22/21 18:00	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/22/21 18:00	1
Styrene	1.0	U	1.0	0.45	ug/L			07/22/21 18:00	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/22/21 18:00	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/22/21 18:00	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/22/21 18:00	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/22/21 18:00	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/22/21 18:00	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/22/21 18:00	1
Toluene	1.0	U	1.0	0.44	ug/L			07/22/21 18:00	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/22/21 18:00	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/22/21 18:00	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/22/21 18:00	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/22/21 18:00	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/22/21 18:00	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/22/21 18:00	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/22/21 18:00	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/22/21 18:00	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/22/21 18:00	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/22/21 18:00	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/22/21 18:00	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/22/21 18:00	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/22/21 18:00	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/22/21 18:00	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*		*07/22/21 18:00*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/22/21 18:00*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*47 - 134*		*07/22/21 18:00*	*1*
Dibromofluoromethane (Surr)	*98*		*78 - 129*		*07/22/21 18:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 130*		*07/22/21 18:00*	*1*
Toluene-d8 (Surr)	*99*		*69 - 122*		*07/22/21 18:00*	*1*

Client Sample ID: MSA-SW41C-071521

Date Collected: 07/15/21 08:25
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-15

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			07/22/21 18:23	1
Benzene	1.0	U	1.0	0.42	ug/L			07/22/21 18:23	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/22/21 18:23	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/22/21 18:23	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/22/21 18:23	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/22/21 18:23	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/22/21 18:23	1
2-Butanone	10	U	10	1.2	ug/L			07/22/21 18:23	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/22/21 18:23	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/22/21 18:23	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/22/21 18:23	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/22/21 18:23	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/22/21 18:23	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/22/21 18:23	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/22/21 18:23	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/22/21 18:23	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/22/21 18:23	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/22/21 18:23	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/22/21 18:23	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/22/21 18:23	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/22/21 18:23	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/22/21 18:23	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/22/21 18:23	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/22/21 18:23	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/22/21 18:23	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/22/21 18:23	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/22/21 18:23	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/22/21 18:23	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/22/21 18:23	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/22/21 18:23	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/22/21 18:23	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/22/21 18:23	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/22/21 18:23	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/22/21 18:23	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/22/21 18:23	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/22/21 18:23	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/22/21 18:23	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/22/21 18:23	1
2-Hexanone	10	U	10	1.1	ug/L			07/22/21 18:23	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/22/21 18:23	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/22/21 18:23	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/22/21 18:23	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/22/21 18:23	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/22/21 18:23	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/22/21 18:23	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/22/21 18:23	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/22/21 18:23	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/22/21 18:23	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/22/21 18:23	1

Client Sample ID: MSA-SW41C-071521

Lab Sample ID: 240-152946-15

Date Collected: 07/15/21 08:25
Matrix: Water
Date Received: 07/16/21 12:27

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			07/22/21 18:23	1
Styrene	1.0	U	1.0	0.45	ug/L			07/22/21 18:23	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/22/21 18:23	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/22/21 18:23	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/22/21 18:23	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/22/21 18:23	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/22/21 18:23	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/22/21 18:23	1
Toluene	1.0	U	1.0	0.44	ug/L			07/22/21 18:23	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/22/21 18:23	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/22/21 18:23	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/22/21 18:23	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/22/21 18:23	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/22/21 18:23	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/22/21 18:23	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/22/21 18:23	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/22/21 18:23	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/22/21 18:23	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/22/21 18:23	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/22/21 18:23	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/22/21 18:23	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/22/21 18:23	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/22/21 18:23	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*		*07/22/21 18:23*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/22/21 18:23*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*47 - 134*		*07/22/21 18:23*	*1*
Dibromofluoromethane (Surr)	*100*		*78 - 129*		*07/22/21 18:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 130*		*07/22/21 18:23*	*1*
Toluene-d8 (Surr)	*102*		*69 - 122*		*07/22/21 18:23*	*1*

Client Sample ID: MSA-SW41D-071521

Lab Sample ID: 240-152946-16

Date Collected: 07/15/21 08:27
Matrix: Water
Date Received: 07/16/21 12:27

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			07/22/21 18:45	1
Benzene	1.0	U	1.0	0.42	ug/L			07/22/21 18:45	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/22/21 18:45	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/22/21 18:45	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/22/21 18:45	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/22/21 18:45	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/22/21 18:45	1
2-Butanone	10	U	10	1.2	ug/L			07/22/21 18:45	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/22/21 18:45	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/22/21 18:45	1

Client Sample ID: MSA-SW41D-071521
Date Collected: 07/15/21 08:27
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-16
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			07/22/21 18:45	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/22/21 18:45	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/22/21 18:45	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/22/21 18:45	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/22/21 18:45	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/22/21 18:45	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/22/21 18:45	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/22/21 18:45	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/22/21 18:45	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/22/21 18:45	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/22/21 18:45	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/22/21 18:45	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/22/21 18:45	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/22/21 18:45	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/22/21 18:45	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/22/21 18:45	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/22/21 18:45	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/22/21 18:45	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/22/21 18:45	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/22/21 18:45	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/22/21 18:45	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/22/21 18:45	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/22/21 18:45	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/22/21 18:45	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/22/21 18:45	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/22/21 18:45	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/22/21 18:45	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/22/21 18:45	1
2-Hexanone	10	U	10	1.1	ug/L			07/22/21 18:45	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/22/21 18:45	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/22/21 18:45	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/22/21 18:45	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/22/21 18:45	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/22/21 18:45	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/22/21 18:45	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/22/21 18:45	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/22/21 18:45	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/22/21 18:45	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/22/21 18:45	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/22/21 18:45	1
Styrene	1.0	U	1.0	0.45	ug/L			07/22/21 18:45	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/22/21 18:45	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/22/21 18:45	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/22/21 18:45	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/22/21 18:45	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/22/21 18:45	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/22/21 18:45	1
Toluene	1.0	U	1.0	0.44	ug/L			07/22/21 18:45	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/22/21 18:45	1

Client Sample ID: MSA-SW41D-071521

Lab Sample ID: 240-152946-16

Date Collected: 07/15/21 08:27
Matrix: Water
Date Received: 07/16/21 12:27

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			07/22/21 18:45	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/22/21 18:45	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/22/21 18:45	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/22/21 18:45	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/22/21 18:45	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/22/21 18:45	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/22/21 18:45	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/22/21 18:45	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/22/21 18:45	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/22/21 18:45	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/22/21 18:45	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/22/21 18:45	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/22/21 18:45	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*		*07/22/21 18:45*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/22/21 18:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*47 - 134*		*07/22/21 18:45*	*1*
Dibromofluoromethane (Surr)	*107*		*78 - 129*		*07/22/21 18:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 130*		*07/22/21 18:45*	*1*
Toluene-d8 (Surr)	*107*		*69 - 122*		*07/22/21 18:45*	*1*

Client Sample ID: MSA-SW42A-071521

Lab Sample ID: 240-152946-17

Date Collected: 07/15/21 09:08
Matrix: Water
Date Received: 07/16/21 12:27

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			07/22/21 19:08	1
Benzene	1.0	U	1.0	0.42	ug/L			07/22/21 19:08	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/22/21 19:08	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/22/21 19:08	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/22/21 19:08	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/22/21 19:08	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/22/21 19:08	1
2-Butanone	10	U	10	1.2	ug/L			07/22/21 19:08	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/22/21 19:08	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/22/21 19:08	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/22/21 19:08	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/22/21 19:08	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/22/21 19:08	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/22/21 19:08	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/22/21 19:08	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/22/21 19:08	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/22/21 19:08	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/22/21 19:08	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/22/21 19:08	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/22/21 19:08	1

Client Sample ID: MSA-SW42A-071521
Date Collected: 07/15/21 09:08
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-17
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			07/22/21 19:08	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/22/21 19:08	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/22/21 19:08	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/22/21 19:08	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/22/21 19:08	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/22/21 19:08	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/22/21 19:08	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/22/21 19:08	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/22/21 19:08	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/22/21 19:08	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/22/21 19:08	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/22/21 19:08	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/22/21 19:08	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/22/21 19:08	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/22/21 19:08	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/22/21 19:08	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/22/21 19:08	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/22/21 19:08	1
2-Hexanone	10	U	10	1.1	ug/L			07/22/21 19:08	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/22/21 19:08	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/22/21 19:08	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/22/21 19:08	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/22/21 19:08	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/22/21 19:08	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/22/21 19:08	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/22/21 19:08	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/22/21 19:08	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/22/21 19:08	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/22/21 19:08	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/22/21 19:08	1
Styrene	1.0	U	1.0	0.45	ug/L			07/22/21 19:08	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/22/21 19:08	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/22/21 19:08	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/22/21 19:08	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/22/21 19:08	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/22/21 19:08	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/22/21 19:08	1
Toluene	1.0	U	1.0	0.44	ug/L			07/22/21 19:08	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/22/21 19:08	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/22/21 19:08	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/22/21 19:08	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/22/21 19:08	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/22/21 19:08	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/22/21 19:08	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/22/21 19:08	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/22/21 19:08	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/22/21 19:08	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/22/21 19:08	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/22/21 19:08	1

Client Sample ID: MSA-SW42A-071521

Lab Sample ID: 240-152946-17

Date Collected: 07/15/21 09:08
Date Received: 07/16/21 12:27

Matrix: Water

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			07/22/21 19:08	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/22/21 19:08	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/22/21 19:08	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*		*07/22/21 19:08*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/22/21 19:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*47 - 134*		*07/22/21 19:08*	*1*
Dibromofluoromethane (Surr)	*101*		*78 - 129*		*07/22/21 19:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 130*		*07/22/21 19:08*	*1*
Toluene-d8 (Surr)	*102*		*69 - 122*		*07/22/21 19:08*	*1*

Client Sample ID: MSA-SW42B-071521

Lab Sample ID: 240-152946-18

Date Collected: 07/15/21 09:10
Date Received: 07/16/21 12:27

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			07/26/21 18:00	1
Benzene	1.0	U	1.0	0.42	ug/L			07/26/21 18:00	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/26/21 18:00	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/26/21 18:00	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/26/21 18:00	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/26/21 18:00	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/26/21 18:00	1
2-Butanone	10	U	10	1.2	ug/L			07/26/21 18:00	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/26/21 18:00	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/26/21 18:00	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/26/21 18:00	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/26/21 18:00	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/26/21 18:00	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/26/21 18:00	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/26/21 18:00	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/26/21 18:00	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/26/21 18:00	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/26/21 18:00	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/26/21 18:00	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/26/21 18:00	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/26/21 18:00	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/26/21 18:00	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/26/21 18:00	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/26/21 18:00	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/26/21 18:00	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/26/21 18:00	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/26/21 18:00	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/26/21 18:00	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/26/21 18:00	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/26/21 18:00	1

Client Sample ID: MSA-SW42B-071521

Date Collected: 07/15/21 09:10
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-18

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			07/26/21 18:00	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/26/21 18:00	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/26/21 18:00	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/26/21 18:00	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/26/21 18:00	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/26/21 18:00	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/26/21 18:00	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/26/21 18:00	1
2-Hexanone	10	U	10	1.1	ug/L			07/26/21 18:00	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/26/21 18:00	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/26/21 18:00	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/26/21 18:00	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/26/21 18:00	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/26/21 18:00	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/26/21 18:00	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/26/21 18:00	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/26/21 18:00	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/26/21 18:00	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/26/21 18:00	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/26/21 18:00	1
Styrene	1.0	U	1.0	0.45	ug/L			07/26/21 18:00	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/26/21 18:00	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/26/21 18:00	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/26/21 18:00	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/26/21 18:00	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/26/21 18:00	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/26/21 18:00	1
Toluene	1.0	U	1.0	0.44	ug/L			07/26/21 18:00	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/26/21 18:00	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/26/21 18:00	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/26/21 18:00	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/26/21 18:00	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/26/21 18:00	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/26/21 18:00	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/26/21 18:00	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/26/21 18:00	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/26/21 18:00	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/26/21 18:00	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/26/21 18:00	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/26/21 18:00	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/26/21 18:00	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/26/21 18:00	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*		*07/26/21 18:00*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/26/21 18:00*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*47 - 134*		*07/26/21 18:00*	*1*
Dibromofluoromethane (Surr)	*110*		*78 - 129*		*07/26/21 18:00*	*1*

Client Sample ID: MSA-SW42B-071521

Lab Sample ID: 240-152946-18

Date Collected: 07/15/21 09:10
Matrix: Water
Date Received: 07/16/21 12:27

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 130*		*07/26/21 18:00*	*1*
Toluene-d8 (Surr)	*94*		*69 - 122*		*07/26/21 18:00*	*1*

Client Sample ID: MSA-SW42C-071521

Lab Sample ID: 240-152946-19

Date Collected: 07/15/21 09:13
Matrix: Water
Date Received: 07/16/21 12:27

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			07/22/21 19:53	1
Benzene	1.0	U	1.0	0.42	ug/L			07/22/21 19:53	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/22/21 19:53	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/22/21 19:53	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/22/21 19:53	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/22/21 19:53	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/22/21 19:53	1
2-Butanone	10	U	10	1.2	ug/L			07/22/21 19:53	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/22/21 19:53	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/22/21 19:53	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/22/21 19:53	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/22/21 19:53	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/22/21 19:53	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/22/21 19:53	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/22/21 19:53	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/22/21 19:53	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/22/21 19:53	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/22/21 19:53	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/22/21 19:53	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/22/21 19:53	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/22/21 19:53	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/22/21 19:53	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/22/21 19:53	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/22/21 19:53	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/22/21 19:53	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/22/21 19:53	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/22/21 19:53	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/22/21 19:53	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/22/21 19:53	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/22/21 19:53	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/22/21 19:53	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/22/21 19:53	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/22/21 19:53	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/22/21 19:53	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/22/21 19:53	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/22/21 19:53	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/22/21 19:53	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/22/21 19:53	1
2-Hexanone	10	U	10	1.1	ug/L			07/22/21 19:53	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/22/21 19:53	1

Client Sample ID: MSA-SW42C-071521

Lab Sample ID: 240-152946-19

Date Collected: 07/15/21 09:13
Matrix: Water
Date Received: 07/16/21 12:27

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			07/22/21 19:53	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/22/21 19:53	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/22/21 19:53	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/22/21 19:53	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/22/21 19:53	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/22/21 19:53	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/22/21 19:53	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/22/21 19:53	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/22/21 19:53	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/22/21 19:53	1
Styrene	1.0	U	1.0	0.45	ug/L			07/22/21 19:53	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/22/21 19:53	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/22/21 19:53	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/22/21 19:53	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/22/21 19:53	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/22/21 19:53	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/22/21 19:53	1
Toluene	1.0	U	1.0	0.44	ug/L			07/22/21 19:53	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/22/21 19:53	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/22/21 19:53	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/22/21 19:53	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/22/21 19:53	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/22/21 19:53	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/22/21 19:53	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/22/21 19:53	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/22/21 19:53	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/22/21 19:53	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/22/21 19:53	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/22/21 19:53	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/22/21 19:53	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/22/21 19:53	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/22/21 19:53	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*		*07/22/21 19:53*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/22/21 19:53*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*47 - 134*		*07/22/21 19:53*	*1*
Dibromofluoromethane (Surr)	*98*		*78 - 129*		*07/22/21 19:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 130*		*07/22/21 19:53*	*1*
Toluene-d8 (Surr)	*106*		*69 - 122*		*07/22/21 19:53*	*1*

Client Sample ID: MSA-SW42D-071521

Lab Sample ID: 240-152946-20

Date Collected: 07/15/21 09:16
Matrix: Water
Date Received: 07/16/21 12:27

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			07/26/21 18:25	1

Client Sample ID: MSA-SW42D-071521

Date Collected: 07/15/21 09:16
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-20

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			07/26/21 18:25	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/26/21 18:25	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/26/21 18:25	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/26/21 18:25	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/26/21 18:25	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/26/21 18:25	1
2-Butanone	10	U	10	1.2	ug/L			07/26/21 18:25	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/26/21 18:25	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/26/21 18:25	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/26/21 18:25	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/26/21 18:25	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/26/21 18:25	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/26/21 18:25	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/26/21 18:25	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/26/21 18:25	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/26/21 18:25	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/26/21 18:25	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/26/21 18:25	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/26/21 18:25	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/26/21 18:25	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/26/21 18:25	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/26/21 18:25	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/26/21 18:25	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/26/21 18:25	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/26/21 18:25	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/26/21 18:25	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/26/21 18:25	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/26/21 18:25	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/26/21 18:25	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/26/21 18:25	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/26/21 18:25	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/26/21 18:25	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/26/21 18:25	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/26/21 18:25	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/26/21 18:25	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/26/21 18:25	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/26/21 18:25	1
2-Hexanone	10	U	10	1.1	ug/L			07/26/21 18:25	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/26/21 18:25	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/26/21 18:25	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/26/21 18:25	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/26/21 18:25	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/26/21 18:25	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/26/21 18:25	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/26/21 18:25	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/26/21 18:25	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/26/21 18:25	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/26/21 18:25	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/26/21 18:25	1

Client Sample ID: MSA-SW42D-071521

Lab Sample ID: 240-152946-20

Date Collected: 07/15/21 09:16
Matrix: Water
Date Received: 07/16/21 12:27

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			07/26/21 18:25	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/26/21 18:25	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/26/21 18:25	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/26/21 18:25	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/26/21 18:25	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/26/21 18:25	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/26/21 18:25	1
Toluene	1.0	U	1.0	0.44	ug/L			07/26/21 18:25	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/26/21 18:25	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/26/21 18:25	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/26/21 18:25	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/26/21 18:25	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/26/21 18:25	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/26/21 18:25	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/26/21 18:25	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/26/21 18:25	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/26/21 18:25	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/26/21 18:25	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/26/21 18:25	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/26/21 18:25	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/26/21 18:25	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/26/21 18:25	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*		*07/26/21 18:25*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/26/21 18:25*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*47 - 134*		*07/26/21 18:25*	*1*
Dibromofluoromethane (Surr)	*108*		*78 - 129*		*07/26/21 18:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*75 - 130*		*07/26/21 18:25*	*1*
Toluene-d8 (Surr)	*95*		*69 - 122*		*07/26/21 18:25*	*1*

Client Sample ID: MSA-SW43A-071521

Lab Sample ID: 240-152946-21

Date Collected: 07/15/21 08:00
Matrix: Water
Date Received: 07/16/21 12:27

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			07/26/21 18:50	1
Benzene	1.0	U	1.0	0.42	ug/L			07/26/21 18:50	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/26/21 18:50	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/26/21 18:50	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/26/21 18:50	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/26/21 18:50	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/26/21 18:50	1
2-Butanone	10	U	10	1.2	ug/L			07/26/21 18:50	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/26/21 18:50	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/26/21 18:50	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/26/21 18:50	1

Client Sample ID: MSA-SW43A-071521

Date Collected: 07/15/21 08:00
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-21

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			07/26/21 18:50	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/26/21 18:50	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/26/21 18:50	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/26/21 18:50	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/26/21 18:50	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/26/21 18:50	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/26/21 18:50	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/26/21 18:50	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/26/21 18:50	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/26/21 18:50	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/26/21 18:50	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/26/21 18:50	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/26/21 18:50	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/26/21 18:50	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/26/21 18:50	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/26/21 18:50	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/26/21 18:50	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/26/21 18:50	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/26/21 18:50	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/26/21 18:50	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/26/21 18:50	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/26/21 18:50	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/26/21 18:50	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/26/21 18:50	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/26/21 18:50	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/26/21 18:50	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/26/21 18:50	1
2-Hexanone	10	U	10	1.1	ug/L			07/26/21 18:50	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/26/21 18:50	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/26/21 18:50	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/26/21 18:50	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/26/21 18:50	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/26/21 18:50	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/26/21 18:50	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/26/21 18:50	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/26/21 18:50	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/26/21 18:50	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/26/21 18:50	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/26/21 18:50	1
Styrene	1.0	U	1.0	0.45	ug/L			07/26/21 18:50	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/26/21 18:50	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/26/21 18:50	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/26/21 18:50	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/26/21 18:50	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/26/21 18:50	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/26/21 18:50	1
Toluene	1.0	U	1.0	0.44	ug/L			07/26/21 18:50	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/26/21 18:50	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/26/21 18:50	1

Client Sample ID: MSA-SW43A-071521

Lab Sample ID: 240-152946-21

Date Collected: 07/15/21 08:00
Matrix: Water
Date Received: 07/16/21 12:27

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			07/26/21 18:50	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/26/21 18:50	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/26/21 18:50	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/26/21 18:50	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/26/21 18:50	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/26/21 18:50	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/26/21 18:50	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/26/21 18:50	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/26/21 18:50	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/26/21 18:50	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/26/21 18:50	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/26/21 18:50	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*		*07/26/21 18:50*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/26/21 18:50*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*47 - 134*		*07/26/21 18:50*	*1*
Dibromofluoromethane (Surr)	*110*		*78 - 129*		*07/26/21 18:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 130*		*07/26/21 18:50*	*1*
Toluene-d8 (Surr)	*93*		*69 - 122*		*07/26/21 18:50*	*1*

Client Sample ID: MSA-SW43B-071521

Lab Sample ID: 240-152946-22

Date Collected: 07/15/21 08:04
Matrix: Water
Date Received: 07/16/21 12:27

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			07/26/21 19:15	1
Benzene	1.0	U	1.0	0.42	ug/L			07/26/21 19:15	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/26/21 19:15	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/26/21 19:15	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/26/21 19:15	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/26/21 19:15	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/26/21 19:15	1
2-Butanone	10	U	10	1.2	ug/L			07/26/21 19:15	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/26/21 19:15	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/26/21 19:15	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/26/21 19:15	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/26/21 19:15	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/26/21 19:15	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/26/21 19:15	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/26/21 19:15	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/26/21 19:15	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/26/21 19:15	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/26/21 19:15	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/26/21 19:15	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/26/21 19:15	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/26/21 19:15	1

Client Sample ID: MSA-SW43B-071521

Date Collected: 07/15/21 08:04
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-22

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			07/26/21 19:15	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/26/21 19:15	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/26/21 19:15	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/26/21 19:15	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/26/21 19:15	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/26/21 19:15	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/26/21 19:15	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/26/21 19:15	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/26/21 19:15	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/26/21 19:15	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/26/21 19:15	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/26/21 19:15	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/26/21 19:15	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/26/21 19:15	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/26/21 19:15	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/26/21 19:15	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/26/21 19:15	1
2-Hexanone	10	U	10	1.1	ug/L			07/26/21 19:15	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/26/21 19:15	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/26/21 19:15	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/26/21 19:15	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/26/21 19:15	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/26/21 19:15	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/26/21 19:15	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/26/21 19:15	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/26/21 19:15	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/26/21 19:15	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/26/21 19:15	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/26/21 19:15	1
Styrene	1.0	U	1.0	0.45	ug/L			07/26/21 19:15	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/26/21 19:15	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/26/21 19:15	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/26/21 19:15	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/26/21 19:15	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/26/21 19:15	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/26/21 19:15	1
Toluene	1.0	U	1.0	0.44	ug/L			07/26/21 19:15	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/26/21 19:15	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/26/21 19:15	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/26/21 19:15	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/26/21 19:15	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/26/21 19:15	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/26/21 19:15	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/26/21 19:15	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/26/21 19:15	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/26/21 19:15	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/26/21 19:15	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/26/21 19:15	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/26/21 19:15	1

Client Sample ID: MSA-SW43B-071521

Lab Sample ID: 240-152946-22

Date Collected: 07/15/21 08:04
Matrix: Water
Date Received: 07/16/21 12:27

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			07/26/21 19:15	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/26/21 19:15	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*		*07/26/21 19:15*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/26/21 19:15*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*47 - 134*		*07/26/21 19:15*	*1*
Dibromofluoromethane (Surr)	*109*		*78 - 129*		*07/26/21 19:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 130*		*07/26/21 19:15*	*1*
Toluene-d8 (Surr)	*93*		*69 - 122*		*07/26/21 19:15*	*1*

Client Sample ID: MSA-SW43C-071521

Lab Sample ID: 240-152946-23

Date Collected: 07/15/21 08:07
Matrix: Water
Date Received: 07/16/21 12:27

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			07/23/21 19:26	1
Benzene	1.0	U	1.0	0.42	ug/L			07/23/21 19:26	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/23/21 19:26	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/23/21 19:26	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/23/21 19:26	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/23/21 19:26	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/23/21 19:26	1
2-Butanone	10	U	10	1.2	ug/L			07/23/21 19:26	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/23/21 19:26	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/23/21 19:26	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/23/21 19:26	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/23/21 19:26	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/23/21 19:26	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/23/21 19:26	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/23/21 19:26	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/23/21 19:26	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/23/21 19:26	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/23/21 19:26	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/23/21 19:26	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/23/21 19:26	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/23/21 19:26	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/23/21 19:26	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/23/21 19:26	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/23/21 19:26	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/23/21 19:26	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/23/21 19:26	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/23/21 19:26	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/23/21 19:26	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/23/21 19:26	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/23/21 19:26	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/23/21 19:26	1

Client Sample ID: MSA-SW43C-071521

Date Collected: 07/15/21 08:07
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-23

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			07/23/21 19:26	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/23/21 19:26	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/23/21 19:26	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/23/21 19:26	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/23/21 19:26	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/23/21 19:26	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/23/21 19:26	1
2-Hexanone	10	U	10	1.1	ug/L			07/23/21 19:26	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/23/21 19:26	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/23/21 19:26	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/23/21 19:26	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/23/21 19:26	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/23/21 19:26	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/23/21 19:26	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/23/21 19:26	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/23/21 19:26	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/23/21 19:26	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/23/21 19:26	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/23/21 19:26	1
Styrene	1.0	U	1.0	0.45	ug/L			07/23/21 19:26	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/23/21 19:26	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/23/21 19:26	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/23/21 19:26	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/23/21 19:26	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/23/21 19:26	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/23/21 19:26	1
Toluene	1.0	U	1.0	0.44	ug/L			07/23/21 19:26	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/23/21 19:26	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/23/21 19:26	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/23/21 19:26	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/23/21 19:26	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/23/21 19:26	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/23/21 19:26	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/23/21 19:26	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/23/21 19:26	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/23/21 19:26	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/23/21 19:26	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/23/21 19:26	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/23/21 19:26	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/23/21 19:26	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/23/21 19:26	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*		*07/23/21 19:26*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/23/21 19:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*47 - 134*		*07/23/21 19:26*	*1*
Dibromofluoromethane (Surr)	*91*		*78 - 129*		*07/23/21 19:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*75 - 130*		*07/23/21 19:26*	*1*

Client Sample ID: MSA-SW43C-071521

Lab Sample ID: 240-152946-23

Date Collected: 07/15/21 08:07
Matrix: Water
Date Received: 07/16/21 12:27

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*69 - 122*		*07/23/21 19:26*	*1*

Client Sample ID: MSA-SW43D-071521

Lab Sample ID: 240-152946-24

Date Collected: 07/15/21 08:10
Matrix: Water
Date Received: 07/16/21 12:27

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			07/23/21 19:48	1
Benzene	1.0	U	1.0	0.42	ug/L			07/23/21 19:48	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/23/21 19:48	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/23/21 19:48	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/23/21 19:48	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/23/21 19:48	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/23/21 19:48	1
2-Butanone	10	U	10	1.2	ug/L			07/23/21 19:48	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/23/21 19:48	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/23/21 19:48	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/23/21 19:48	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/23/21 19:48	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/23/21 19:48	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/23/21 19:48	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/23/21 19:48	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/23/21 19:48	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/23/21 19:48	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/23/21 19:48	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/23/21 19:48	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/23/21 19:48	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/23/21 19:48	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/23/21 19:48	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/23/21 19:48	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/23/21 19:48	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/23/21 19:48	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/23/21 19:48	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/23/21 19:48	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/23/21 19:48	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/23/21 19:48	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/23/21 19:48	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/23/21 19:48	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/23/21 19:48	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/23/21 19:48	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/23/21 19:48	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/23/21 19:48	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/23/21 19:48	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/23/21 19:48	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/23/21 19:48	1
2-Hexanone	10	U	10	1.1	ug/L			07/23/21 19:48	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/23/21 19:48	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/23/21 19:48	1

Client Sample ID: MSA-SW43D-071521

Lab Sample ID: 240-152946-24

Date Collected: 07/15/21 08:10
Matrix: Water
Date Received: 07/16/21 12:27

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			07/23/21 19:48	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/23/21 19:48	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/23/21 19:48	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/23/21 19:48	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/23/21 19:48	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/23/21 19:48	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/23/21 19:48	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/23/21 19:48	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/23/21 19:48	1
Styrene	1.0	U	1.0	0.45	ug/L			07/23/21 19:48	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/23/21 19:48	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/23/21 19:48	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/23/21 19:48	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/23/21 19:48	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/23/21 19:48	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/23/21 19:48	1
Toluene	1.0	U	1.0	0.44	ug/L			07/23/21 19:48	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/23/21 19:48	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/23/21 19:48	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/23/21 19:48	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/23/21 19:48	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/23/21 19:48	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/23/21 19:48	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/23/21 19:48	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/23/21 19:48	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/23/21 19:48	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/23/21 19:48	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/23/21 19:48	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/23/21 19:48	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/23/21 19:48	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/23/21 19:48	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*		*07/23/21 19:48*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/23/21 19:48*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*47 - 134*		*07/23/21 19:48*	*1*
Dibromofluoromethane (Surr)	*93*		*78 - 129*		*07/23/21 19:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 130*		*07/23/21 19:48*	*1*
Toluene-d8 (Surr)	*101*		*69 - 122*		*07/23/21 19:48*	*1*

Client Sample ID: MSA-SW44A-071521

Lab Sample ID: 240-152946-25

Date Collected: 07/15/21 07:40
Matrix: Water
Date Received: 07/16/21 12:27

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			07/23/21 20:10	1
Benzene	1.0	U	1.0	0.42	ug/L			07/23/21 20:10	1

Client Sample ID: MSA-SW44A-071521

Date Collected: 07/15/21 07:40
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-25

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			07/23/21 20:10	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/23/21 20:10	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/23/21 20:10	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/23/21 20:10	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/23/21 20:10	1
2-Butanone	10	U	10	1.2	ug/L			07/23/21 20:10	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/23/21 20:10	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/23/21 20:10	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/23/21 20:10	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/23/21 20:10	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/23/21 20:10	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/23/21 20:10	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/23/21 20:10	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/23/21 20:10	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/23/21 20:10	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/23/21 20:10	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/23/21 20:10	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/23/21 20:10	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/23/21 20:10	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/23/21 20:10	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/23/21 20:10	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/23/21 20:10	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/23/21 20:10	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/23/21 20:10	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/23/21 20:10	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/23/21 20:10	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/23/21 20:10	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/23/21 20:10	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/23/21 20:10	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/23/21 20:10	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/23/21 20:10	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/23/21 20:10	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/23/21 20:10	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/23/21 20:10	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/23/21 20:10	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/23/21 20:10	1
2-Hexanone	10	U	10	1.1	ug/L			07/23/21 20:10	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/23/21 20:10	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/23/21 20:10	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/23/21 20:10	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/23/21 20:10	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/23/21 20:10	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/23/21 20:10	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/23/21 20:10	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/23/21 20:10	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/23/21 20:10	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/23/21 20:10	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/23/21 20:10	1
Styrene	1.0	U	1.0	0.45	ug/L			07/23/21 20:10	1

Client Sample ID: MSA-SW44A-071521

Lab Sample ID: 240-152946-25

Date Collected: 07/15/21 07:40
Matrix: Water
Date Received: 07/16/21 12:27

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			07/23/21 20:10	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/23/21 20:10	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/23/21 20:10	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/23/21 20:10	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/23/21 20:10	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/23/21 20:10	1
Toluene	1.0	U	1.0	0.44	ug/L			07/23/21 20:10	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/23/21 20:10	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/23/21 20:10	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/23/21 20:10	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/23/21 20:10	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/23/21 20:10	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/23/21 20:10	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/23/21 20:10	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/23/21 20:10	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/23/21 20:10	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/23/21 20:10	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/23/21 20:10	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/23/21 20:10	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/23/21 20:10	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/23/21 20:10	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*		*07/23/21 20:10*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/23/21 20:10*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*47 - 134*		*07/23/21 20:10*	*1*
Dibromofluoromethane (Surr)	*95*		*78 - 129*		*07/23/21 20:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*75 - 130*		*07/23/21 20:10*	*1*
Toluene-d8 (Surr)	*104*		*69 - 122*		*07/23/21 20:10*	*1*

Client Sample ID: MSA-SW44B-071521

Lab Sample ID: 240-152946-26

Date Collected: 07/15/21 07:50
Matrix: Water
Date Received: 07/16/21 12:27

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			07/23/21 20:32	1
Benzene	1.0	U	1.0	0.42	ug/L			07/23/21 20:32	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/23/21 20:32	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/23/21 20:32	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/23/21 20:32	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/23/21 20:32	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/23/21 20:32	1
2-Butanone	10	U	10	1.2	ug/L			07/23/21 20:32	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/23/21 20:32	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/23/21 20:32	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/23/21 20:32	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/23/21 20:32	1

Client Sample ID: MSA-SW44B-071521

Date Collected: 07/15/21 07:50
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-26

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			07/23/21 20:32	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/23/21 20:32	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/23/21 20:32	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/23/21 20:32	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/23/21 20:32	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/23/21 20:32	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/23/21 20:32	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/23/21 20:32	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/23/21 20:32	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/23/21 20:32	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/23/21 20:32	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/23/21 20:32	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/23/21 20:32	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/23/21 20:32	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/23/21 20:32	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/23/21 20:32	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/23/21 20:32	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/23/21 20:32	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/23/21 20:32	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/23/21 20:32	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/23/21 20:32	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/23/21 20:32	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/23/21 20:32	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/23/21 20:32	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/23/21 20:32	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/23/21 20:32	1
2-Hexanone	10	U	10	1.1	ug/L			07/23/21 20:32	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/23/21 20:32	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/23/21 20:32	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/23/21 20:32	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/23/21 20:32	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/23/21 20:32	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/23/21 20:32	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/23/21 20:32	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/23/21 20:32	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/23/21 20:32	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/23/21 20:32	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/23/21 20:32	1
Styrene	1.0	U	1.0	0.45	ug/L			07/23/21 20:32	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/23/21 20:32	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/23/21 20:32	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/23/21 20:32	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/23/21 20:32	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/23/21 20:32	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/23/21 20:32	1
Toluene	1.0	U	1.0	0.44	ug/L			07/23/21 20:32	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/23/21 20:32	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/23/21 20:32	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/23/21 20:32	1

Client Sample ID: MSA-SW44B-071521

Lab Sample ID: 240-152946-26

Date Collected: 07/15/21 07:50
Matrix: Water
Date Received: 07/16/21 12:27

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			07/23/21 20:32	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/23/21 20:32	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/23/21 20:32	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/23/21 20:32	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/23/21 20:32	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/23/21 20:32	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/23/21 20:32	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/23/21 20:32	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/23/21 20:32	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/23/21 20:32	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/23/21 20:32	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*		*07/23/21 20:32*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/23/21 20:32*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*47 - 134*		*07/23/21 20:32*	*1*
Dibromofluoromethane (Surr)	*92*		*78 - 129*		*07/23/21 20:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 130*		*07/23/21 20:32*	*1*
Toluene-d8 (Surr)	*104*		*69 - 122*		*07/23/21 20:32*	*1*

Client Sample ID: MSA-SW44C-071521

Lab Sample ID: 240-152946-27

Date Collected: 07/15/21 07:52
Matrix: Water
Date Received: 07/16/21 12:27

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			07/23/21 20:54	1
Benzene	1.0	U	1.0	0.42	ug/L			07/23/21 20:54	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/23/21 20:54	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/23/21 20:54	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/23/21 20:54	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/23/21 20:54	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/23/21 20:54	1
2-Butanone	10	U	10	1.2	ug/L			07/23/21 20:54	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/23/21 20:54	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/23/21 20:54	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/23/21 20:54	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/23/21 20:54	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/23/21 20:54	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/23/21 20:54	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/23/21 20:54	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/23/21 20:54	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/23/21 20:54	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/23/21 20:54	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/23/21 20:54	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/23/21 20:54	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/23/21 20:54	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/23/21 20:54	1

Client Sample ID: MSA-SW44C-071521

Date Collected: 07/15/21 07:52
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-27

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			07/23/21 20:54	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/23/21 20:54	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/23/21 20:54	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/23/21 20:54	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/23/21 20:54	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/23/21 20:54	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/23/21 20:54	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/23/21 20:54	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/23/21 20:54	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/23/21 20:54	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/23/21 20:54	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/23/21 20:54	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/23/21 20:54	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/23/21 20:54	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/23/21 20:54	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/23/21 20:54	1
2-Hexanone	10	U	10	1.1	ug/L			07/23/21 20:54	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/23/21 20:54	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/23/21 20:54	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/23/21 20:54	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/23/21 20:54	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/23/21 20:54	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/23/21 20:54	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/23/21 20:54	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/23/21 20:54	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/23/21 20:54	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/23/21 20:54	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/23/21 20:54	1
Styrene	1.0	U	1.0	0.45	ug/L			07/23/21 20:54	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/23/21 20:54	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/23/21 20:54	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/23/21 20:54	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/23/21 20:54	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/23/21 20:54	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/23/21 20:54	1
Toluene	1.0	U	1.0	0.44	ug/L			07/23/21 20:54	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/23/21 20:54	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/23/21 20:54	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/23/21 20:54	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/23/21 20:54	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/23/21 20:54	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/23/21 20:54	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/23/21 20:54	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/23/21 20:54	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/23/21 20:54	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/23/21 20:54	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/23/21 20:54	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/23/21 20:54	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/23/21 20:54	1

Client Sample ID: MSA-SW44C-071521

Lab Sample ID: 240-152946-27

Date Collected: 07/15/21 07:52
Matrix: Water
Date Received: 07/16/21 12:27

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			07/23/21 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*		*07/23/21 20:54*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/23/21 20:54*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*47 - 134*		*07/23/21 20:54*	*1*
Dibromofluoromethane (Surr)	*91*		*78 - 129*		*07/23/21 20:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 130*		*07/23/21 20:54*	*1*
Toluene-d8 (Surr)	*103*		*69 - 122*		*07/23/21 20:54*	*1*

Client Sample ID: MSA-SW44D-071521

Lab Sample ID: 240-152946-28

Date Collected: 07/15/21 07:55
Matrix: Water
Date Received: 07/16/21 12:27

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			07/23/21 21:16	1
Benzene	1.0	U	1.0	0.42	ug/L			07/23/21 21:16	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/23/21 21:16	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/23/21 21:16	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/23/21 21:16	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/23/21 21:16	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/23/21 21:16	1
2-Butanone	10	U	10	1.2	ug/L			07/23/21 21:16	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/23/21 21:16	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/23/21 21:16	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/23/21 21:16	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/23/21 21:16	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/23/21 21:16	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/23/21 21:16	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/23/21 21:16	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/23/21 21:16	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/23/21 21:16	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/23/21 21:16	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/23/21 21:16	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/23/21 21:16	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/23/21 21:16	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/23/21 21:16	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/23/21 21:16	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/23/21 21:16	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/23/21 21:16	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/23/21 21:16	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/23/21 21:16	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/23/21 21:16	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/23/21 21:16	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/23/21 21:16	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/23/21 21:16	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/23/21 21:16	1

Client Sample ID: MSA-SW44D-071521

Date Collected: 07/15/21 07:55
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-28

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			07/23/21 21:16	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/23/21 21:16	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/23/21 21:16	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/23/21 21:16	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/23/21 21:16	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/23/21 21:16	1
2-Hexanone	10	U	10	1.1	ug/L			07/23/21 21:16	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/23/21 21:16	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/23/21 21:16	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/23/21 21:16	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/23/21 21:16	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/23/21 21:16	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/23/21 21:16	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/23/21 21:16	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/23/21 21:16	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/23/21 21:16	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/23/21 21:16	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/23/21 21:16	1
Styrene	1.0	U	1.0	0.45	ug/L			07/23/21 21:16	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/23/21 21:16	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/23/21 21:16	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/23/21 21:16	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/23/21 21:16	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/23/21 21:16	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/23/21 21:16	1
Toluene	1.0	U	1.0	0.44	ug/L			07/23/21 21:16	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/23/21 21:16	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/23/21 21:16	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/23/21 21:16	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/23/21 21:16	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/23/21 21:16	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/23/21 21:16	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/23/21 21:16	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/23/21 21:16	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/23/21 21:16	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/23/21 21:16	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/23/21 21:16	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/23/21 21:16	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/23/21 21:16	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/23/21 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*		*07/23/21 21:16*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/23/21 21:16*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*47 - 134*		*07/23/21 21:16*	*1*
Dibromofluoromethane (Surr)	*94*		*78 - 129*		*07/23/21 21:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 130*		*07/23/21 21:16*	*1*
Toluene-d8 (Surr)	*101*		*69 - 122*		*07/23/21 21:16*	*1*

Client Sample ID: TB-071521

Date Collected: 07/15/21 00:00
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-29

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			07/23/21 21:39	1
Benzene	1.0	U	1.0	0.42	ug/L			07/23/21 21:39	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/23/21 21:39	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/23/21 21:39	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/23/21 21:39	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/23/21 21:39	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/23/21 21:39	1
2-Butanone	10	U	10	1.2	ug/L			07/23/21 21:39	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/23/21 21:39	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/23/21 21:39	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/23/21 21:39	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/23/21 21:39	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/23/21 21:39	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/23/21 21:39	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/23/21 21:39	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/23/21 21:39	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/23/21 21:39	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/23/21 21:39	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/23/21 21:39	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/23/21 21:39	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/23/21 21:39	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/23/21 21:39	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/23/21 21:39	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/23/21 21:39	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/23/21 21:39	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/23/21 21:39	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/23/21 21:39	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/23/21 21:39	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/23/21 21:39	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/23/21 21:39	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/23/21 21:39	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/23/21 21:39	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/23/21 21:39	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/23/21 21:39	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/23/21 21:39	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/23/21 21:39	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/23/21 21:39	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/23/21 21:39	1
2-Hexanone	10	U	10	1.1	ug/L			07/23/21 21:39	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/23/21 21:39	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/23/21 21:39	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/23/21 21:39	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/23/21 21:39	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/23/21 21:39	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/23/21 21:39	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/23/21 21:39	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/23/21 21:39	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/23/21 21:39	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/23/21 21:39	1

Client Sample ID: TB-071521

Date Collected: 07/15/21 00:00
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-29

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			07/23/21 21:39	1
Styrene	1.0	U	1.0	0.45	ug/L			07/23/21 21:39	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/23/21 21:39	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/23/21 21:39	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/23/21 21:39	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/23/21 21:39	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/23/21 21:39	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/23/21 21:39	1
Toluene	1.0	U	1.0	0.44	ug/L			07/23/21 21:39	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/23/21 21:39	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/23/21 21:39	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/23/21 21:39	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/23/21 21:39	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/23/21 21:39	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/23/21 21:39	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/23/21 21:39	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/23/21 21:39	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/23/21 21:39	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/23/21 21:39	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/23/21 21:39	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/23/21 21:39	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/23/21 21:39	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/23/21 21:39	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*		*07/23/21 21:39*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/23/21 21:39*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*47 - 134*		*07/23/21 21:39*	*1*
Dibromofluoromethane (Surr)	*94*		*78 - 129*		*07/23/21 21:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 130*		*07/23/21 21:39*	*1*
Toluene-d8 (Surr)	*102*		*69 - 122*		*07/23/21 21:39*	*1*

Client Sample ID: MSA-SW46A-071521

Date Collected: 07/15/21 09:05
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-30

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			07/23/21 22:01	1
Benzene	1.0	U	1.0	0.42	ug/L			07/23/21 22:01	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/23/21 22:01	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/23/21 22:01	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/23/21 22:01	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/23/21 22:01	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/23/21 22:01	1
2-Butanone	10	U	10	1.2	ug/L			07/23/21 22:01	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/23/21 22:01	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/23/21 22:01	1

Client Sample ID: MSA-SW46A-071521
Date Collected: 07/15/21 09:05
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-30
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			07/23/21 22:01	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/23/21 22:01	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/23/21 22:01	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/23/21 22:01	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/23/21 22:01	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/23/21 22:01	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/23/21 22:01	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/23/21 22:01	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/23/21 22:01	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/23/21 22:01	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/23/21 22:01	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/23/21 22:01	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/23/21 22:01	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/23/21 22:01	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/23/21 22:01	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/23/21 22:01	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/23/21 22:01	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/23/21 22:01	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/23/21 22:01	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/23/21 22:01	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/23/21 22:01	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/23/21 22:01	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/23/21 22:01	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/23/21 22:01	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/23/21 22:01	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/23/21 22:01	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/23/21 22:01	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/23/21 22:01	1
2-Hexanone	10	U	10	1.1	ug/L			07/23/21 22:01	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/23/21 22:01	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/23/21 22:01	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/23/21 22:01	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/23/21 22:01	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/23/21 22:01	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/23/21 22:01	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/23/21 22:01	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/23/21 22:01	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/23/21 22:01	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/23/21 22:01	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/23/21 22:01	1
Styrene	1.0	U	1.0	0.45	ug/L			07/23/21 22:01	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/23/21 22:01	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/23/21 22:01	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/23/21 22:01	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/23/21 22:01	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/23/21 22:01	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/23/21 22:01	1
Toluene	1.0	U	1.0	0.44	ug/L			07/23/21 22:01	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/23/21 22:01	1

Client Sample ID: MSA-SW46A-071521

Lab Sample ID: 240-152946-30

Date Collected: 07/15/21 09:05
Matrix: Water
Date Received: 07/16/21 12:27

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			07/23/21 22:01	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/23/21 22:01	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/23/21 22:01	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/23/21 22:01	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/23/21 22:01	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/23/21 22:01	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/23/21 22:01	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/23/21 22:01	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/23/21 22:01	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/23/21 22:01	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/23/21 22:01	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/23/21 22:01	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/23/21 22:01	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*		*07/23/21 22:01*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/23/21 22:01*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*47 - 134*		*07/23/21 22:01*	*1*
Dibromofluoromethane (Surr)	*92*		*78 - 129*		*07/23/21 22:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 130*		*07/23/21 22:01*	*1*
Toluene-d8 (Surr)	*103*		*69 - 122*		*07/23/21 22:01*	*1*

Client Sample ID: MSA-SW47A-071521

Lab Sample ID: 240-152946-31

Date Collected: 07/15/21 08:46
Matrix: Water
Date Received: 07/16/21 12:27

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			07/23/21 22:23	1
Benzene	1.0	U	1.0	0.42	ug/L			07/23/21 22:23	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/23/21 22:23	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/23/21 22:23	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/23/21 22:23	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/23/21 22:23	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/23/21 22:23	1
2-Butanone	10	U	10	1.2	ug/L			07/23/21 22:23	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/23/21 22:23	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/23/21 22:23	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/23/21 22:23	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/23/21 22:23	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/23/21 22:23	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/23/21 22:23	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/23/21 22:23	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/23/21 22:23	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/23/21 22:23	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/23/21 22:23	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/23/21 22:23	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/23/21 22:23	1

Client Sample ID: MSA-SW47A-071521
Date Collected: 07/15/21 08:46
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-31
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			07/23/21 22:23	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/23/21 22:23	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/23/21 22:23	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/23/21 22:23	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/23/21 22:23	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/23/21 22:23	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/23/21 22:23	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/23/21 22:23	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/23/21 22:23	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/23/21 22:23	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/23/21 22:23	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/23/21 22:23	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/23/21 22:23	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/23/21 22:23	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/23/21 22:23	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/23/21 22:23	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/23/21 22:23	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/23/21 22:23	1
2-Hexanone	10	U	10	1.1	ug/L			07/23/21 22:23	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/23/21 22:23	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/23/21 22:23	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/23/21 22:23	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/23/21 22:23	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/23/21 22:23	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/23/21 22:23	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/23/21 22:23	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/23/21 22:23	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/23/21 22:23	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/23/21 22:23	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/23/21 22:23	1
Styrene	1.0	U	1.0	0.45	ug/L			07/23/21 22:23	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/23/21 22:23	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/23/21 22:23	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/23/21 22:23	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/23/21 22:23	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/23/21 22:23	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/23/21 22:23	1
Toluene	1.0	U	1.0	0.44	ug/L			07/23/21 22:23	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/23/21 22:23	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/23/21 22:23	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/23/21 22:23	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/23/21 22:23	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/23/21 22:23	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/23/21 22:23	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/23/21 22:23	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/23/21 22:23	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/23/21 22:23	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/23/21 22:23	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/23/21 22:23	1

Client Sample ID: MSA-SW47A-071521

Lab Sample ID: 240-152946-31

Date Collected: 07/15/21 08:46
Matrix: Water
Date Received: 07/16/21 12:27

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			07/23/21 22:23	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/23/21 22:23	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/23/21 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*		*07/23/21 22:23*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/23/21 22:23*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*47 - 134*		*07/23/21 22:23*	*1*
Dibromofluoromethane (Surr)	*92*		*78 - 129*		*07/23/21 22:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 130*		*07/23/21 22:23*	*1*
Toluene-d8 (Surr)	*102*		*69 - 122*		*07/23/21 22:23*	*1*

Client Sample ID: MSA-SW48A-071521

Lab Sample ID: 240-152946-32

Date Collected: 07/15/21 08:30
Matrix: Water
Date Received: 07/16/21 12:27

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			07/23/21 22:45	1
Benzene	1.0	U	1.0	0.42	ug/L			07/23/21 22:45	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/23/21 22:45	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/23/21 22:45	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/23/21 22:45	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/23/21 22:45	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/23/21 22:45	1
2-Butanone	10	U	10	1.2	ug/L			07/23/21 22:45	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/23/21 22:45	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/23/21 22:45	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/23/21 22:45	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/23/21 22:45	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/23/21 22:45	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/23/21 22:45	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/23/21 22:45	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/23/21 22:45	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/23/21 22:45	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/23/21 22:45	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/23/21 22:45	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/23/21 22:45	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/23/21 22:45	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/23/21 22:45	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/23/21 22:45	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/23/21 22:45	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/23/21 22:45	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/23/21 22:45	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/23/21 22:45	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/23/21 22:45	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/23/21 22:45	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/23/21 22:45	1

Client Sample ID: MSA-SW48A-071521

Date Collected: 07/15/21 08:30
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-32

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			07/23/21 22:45	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/23/21 22:45	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/23/21 22:45	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/23/21 22:45	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/23/21 22:45	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/23/21 22:45	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/23/21 22:45	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/23/21 22:45	1
2-Hexanone	10	U	10	1.1	ug/L			07/23/21 22:45	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/23/21 22:45	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/23/21 22:45	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/23/21 22:45	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/23/21 22:45	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/23/21 22:45	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/23/21 22:45	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/23/21 22:45	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/23/21 22:45	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/23/21 22:45	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/23/21 22:45	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/23/21 22:45	1
Styrene	1.0	U	1.0	0.45	ug/L			07/23/21 22:45	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/23/21 22:45	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/23/21 22:45	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/23/21 22:45	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/23/21 22:45	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/23/21 22:45	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/23/21 22:45	1
Toluene	1.0	U	1.0	0.44	ug/L			07/23/21 22:45	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/23/21 22:45	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/23/21 22:45	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/23/21 22:45	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/23/21 22:45	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/23/21 22:45	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/23/21 22:45	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/23/21 22:45	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/23/21 22:45	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/23/21 22:45	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/23/21 22:45	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/23/21 22:45	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/23/21 22:45	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/23/21 22:45	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/23/21 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*		*07/23/21 22:45*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/23/21 22:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*47 - 134*		*07/23/21 22:45*	*1*
Dibromofluoromethane (Surr)	*93*		*78 - 129*		*07/23/21 22:45*	*1*

Client Sample ID: MSA-SW48A-071521

Lab Sample ID: 240-152946-32

Date Collected: 07/15/21 08:30
Matrix: Water
Date Received: 07/16/21 12:27

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 130*		*07/23/21 22:45*	*1*
Toluene-d8 (Surr)	*102*		*69 - 122*		*07/23/21 22:45*	*1*

Client Sample ID: MSA-SW49A-071521

Lab Sample ID: 240-152946-33

Date Collected: 07/15/21 08:15
Matrix: Water
Date Received: 07/16/21 12:27

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			07/23/21 23:08	1
Benzene	1.0	U	1.0	0.42	ug/L			07/23/21 23:08	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/23/21 23:08	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/23/21 23:08	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/23/21 23:08	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/23/21 23:08	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/23/21 23:08	1
2-Butanone	10	U	10	1.2	ug/L			07/23/21 23:08	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/23/21 23:08	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/23/21 23:08	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/23/21 23:08	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/23/21 23:08	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/23/21 23:08	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/23/21 23:08	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/23/21 23:08	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/23/21 23:08	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/23/21 23:08	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/23/21 23:08	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/23/21 23:08	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/23/21 23:08	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/23/21 23:08	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/23/21 23:08	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/23/21 23:08	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/23/21 23:08	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/23/21 23:08	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/23/21 23:08	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/23/21 23:08	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/23/21 23:08	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/23/21 23:08	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/23/21 23:08	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/23/21 23:08	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/23/21 23:08	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/23/21 23:08	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/23/21 23:08	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/23/21 23:08	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/23/21 23:08	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/23/21 23:08	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/23/21 23:08	1
2-Hexanone	10	U	10	1.1	ug/L			07/23/21 23:08	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/23/21 23:08	1

Client Sample ID: MSA-SW49A-071521

Date Collected: 07/15/21 08:15
Date Received: 07/16/21 12:27

Lab Sample ID: 240-152946-33

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			07/23/21 23:08	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/23/21 23:08	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/23/21 23:08	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/23/21 23:08	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/23/21 23:08	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/23/21 23:08	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/23/21 23:08	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/23/21 23:08	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/23/21 23:08	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/23/21 23:08	1
Styrene	1.0	U	1.0	0.45	ug/L			07/23/21 23:08	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/23/21 23:08	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/23/21 23:08	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/23/21 23:08	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/23/21 23:08	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/23/21 23:08	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/23/21 23:08	1
Toluene	1.0	U	1.0	0.44	ug/L			07/23/21 23:08	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/23/21 23:08	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/23/21 23:08	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/23/21 23:08	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/23/21 23:08	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/23/21 23:08	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/23/21 23:08	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/23/21 23:08	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/23/21 23:08	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/23/21 23:08	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/23/21 23:08	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/23/21 23:08	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/23/21 23:08	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/23/21 23:08	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/23/21 23:08	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*		*07/23/21 23:08*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*07/23/21 23:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*47 - 134*		*07/23/21 23:08*	*1*
Dibromofluoromethane (Surr)	*93*		*78 - 129*		*07/23/21 23:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 130*		*07/23/21 23:08*	*1*
Toluene-d8 (Surr)	*101*		*69 - 122*		*07/23/21 23:08*	*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: 240-152946-1
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: 240-152946-1
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	(47-134)	(78-129)	(75-130)	(69-122)
240-152672-C-3 MS	Matrix Spike	107	102	99	103
240-152672-C-3 MSD	Matrix Spike Duplicate	106	102	98	103
240-152946-1	MSA-SW37A-071521	99	100	103	99
240-152946-2	MSA-SW37B-071521	103	100	101	100
240-152946-3	MSA-SW37C-071521	100	98	104	99
240-152946-4	MSA-SW37D-071521	101	95	102	99
240-152946-5	MSA-SW38A-071521	97	94	98	96
240-152946-6	MSA-SW38B-071521	103	100	100	101
240-152946-7	MSA-SW38C-071521	100	96	95	99
240-152946-8	MSA-SW38D-071521	99	98	93	99
240-152946-9	MSA-SW40A-071521	103	99	96	101
240-152946-10	MSA-SW40B-071521	101	98	97	100
240-152946-11	MSA-SW40C-071521	101	96	99	97
240-152946-12	MSA-SW40D-071521	99	98	96	97
240-152946-13	MSA-SW41A-071521	100	97	95	101
240-152946-14	MSA-SW41B-071521	101	98	96	99
240-152946-15	MSA-SW41C-071521	103	100	96	102
240-152946-16	MSA-SW41D-071521	109	107	103	107
240-152946-17	MSA-SW42A-071521	105	101	94	102
240-152946-18	MSA-SW42B-071521	101	110	110	94
240-152946-19	MSA-SW42C-071521	104	98	89	106
240-152946-20	MSA-SW42D-071521	99	108	108	95
240-152946-21	MSA-SW43A-071521	99	110	107	93
240-152946-22	MSA-SW43B-071521	101	109	103	93
240-152946-23	MSA-SW43C-071521	104	91	94	100
240-152946-24	MSA-SW43D-071521	104	93	93	101
240-152946-25	MSA-SW44A-071521	110	95	98	104
240-152946-26	MSA-SW44B-071521	107	92	95	104
240-152946-27	MSA-SW44C-071521	107	91	97	103
240-152946-28	MSA-SW44D-071521	103	94	95	101
240-152946-29	TB-071521	105	94	95	102
240-152946-30	MSA-SW46A-071521	104	92	96	103
240-152946-31	MSA-SW47A-071521	105	92	95	102
240-152946-32	MSA-SW48A-071521	105	93	96	102
240-152946-33	MSA-SW49A-071521	103	93	96	101
240-152974-C-2 MS	Matrix Spike	105	93	91	102
240-152974-C-2 MSD	Matrix Spike Duplicate	109	95	94	103
240-152987-E-2 MS	Matrix Spike	107	103	98	101
240-152987-E-2 MSD	Matrix Spike Duplicate	101	99	94	96
240-153306-B-2 MS	Matrix Spike	100	109	103	92
240-153306-B-2 MSD	Matrix Spike Duplicate	101	100	101	95
LCS 240-495770/5	Lab Control Sample	106	105	107	102
LCS 240-495975/5	Lab Control Sample	106	104	97	101
LCS 240-496159/5	Lab Control Sample	103	98	90	97
LCS 240-496393/5	Lab Control Sample	110	92	91	102
LCS 240-496537/5	Lab Control Sample	100	101	103	97
LCSD 240-496159/9	Lab Control Sample Dup	109	102	99	104
MB 240-495770/8	Method Blank	100	101	106	103
MB 240-495975/8	Method Blank	98	98	98	97

Surrogate Summary

Client: Tetra Tech, Inc.
Job ID: 240-152946-1
Project/Site: MSA Surface Water
SDG: Frog Mortar Creek

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

Matrix: Water
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(47-134)	(78-129)	(75-130)	(69-122)
MB 240-496159/8	Method Blank	104	100	99	104
MB 240-496393/8	Method Blank	108	93	97	104
MB 240-496537/8	Method Blank	100	113	107	93

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 240-495770/8
Matrix: Water
Analysis Batch: 495770

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			07/20/21 12:16	1
Benzene	1.0	U	1.0	0.42	ug/L			07/20/21 12:16	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/20/21 12:16	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/20/21 12:16	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/20/21 12:16	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/20/21 12:16	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/20/21 12:16	1
2-Butanone	10	U	10	1.2	ug/L			07/20/21 12:16	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/20/21 12:16	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/20/21 12:16	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/20/21 12:16	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/20/21 12:16	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/20/21 12:16	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/20/21 12:16	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/20/21 12:16	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/20/21 12:16	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/20/21 12:16	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/20/21 12:16	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/20/21 12:16	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/20/21 12:16	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/20/21 12:16	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/20/21 12:16	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/20/21 12:16	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/20/21 12:16	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/20/21 12:16	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/20/21 12:16	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/20/21 12:16	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/20/21 12:16	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/20/21 12:16	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/20/21 12:16	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/20/21 12:16	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/20/21 12:16	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/20/21 12:16	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/20/21 12:16	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/20/21 12:16	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/20/21 12:16	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/20/21 12:16	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/20/21 12:16	1
2-Hexanone	10	U	10	1.1	ug/L			07/20/21 12:16	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/20/21 12:16	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/20/21 12:16	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/20/21 12:16	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/20/21 12:16	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/20/21 12:16	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/20/21 12:16	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/20/21 12:16	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/20/21 12:16	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/20/21 12:16	1

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

Lab Sample ID: MB 240-495770/8
Matrix: Water
Analysis Batch: 495770

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			07/20/21 12:16	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/20/21 12:16	1
Styrene	1.0	U	1.0	0.45	ug/L			07/20/21 12:16	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/20/21 12:16	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/20/21 12:16	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/20/21 12:16	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/20/21 12:16	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/20/21 12:16	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/20/21 12:16	1
Toluene	1.0	U	1.0	0.44	ug/L			07/20/21 12:16	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/20/21 12:16	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/20/21 12:16	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/20/21 12:16	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/20/21 12:16	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/20/21 12:16	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/20/21 12:16	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/20/21 12:16	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/20/21 12:16	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/20/21 12:16	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/20/21 12:16	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/20/21 12:16	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/20/21 12:16	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/20/21 12:16	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/20/21 12:16	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/20/21 12:16*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*47 - 134*		*07/20/21 12:16*	*1*
Dibromofluoromethane (Surr)	*101*		*78 - 129*		*07/20/21 12:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*75 - 130*		*07/20/21 12:16*	*1*
Toluene-d8 (Surr)	*103*		*69 - 122*		*07/20/21 12:16*	*1*

Lab Sample ID: LCS 240-495770/5
Matrix: Water
Analysis Batch: 495770

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	32.8		ug/L		82	33 - 155
Benzene	20.0	21.7		ug/L		109	77 - 123
Bromobenzene	20.0	19.8		ug/L		99	77 - 120
Bromochloromethane	20.0	22.0		ug/L		110	70 - 128
Bromodichloromethane	20.0	22.1		ug/L		111	73 - 122
Bromoform	20.0	18.3		ug/L		92	47 - 133
Bromomethane	20.0	20.3		ug/L		102	48 - 144
2-Butanone	40.0	38.3		ug/L		96	41 - 151
Carbon disulfide	20.0	19.2		ug/L		96	67 - 127

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

Lab Sample ID: LCS 240-495770/5
Matrix: Water
Analysis Batch: 495770

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	23.0		ug/L		115	61 - 142
Chlorobenzene	20.0	20.8		ug/L		104	80 - 120
Chloroethane	20.0	20.9		ug/L		104	41 - 147
2-Chloroethyl vinyl ether	20.0	22.4		ug/L		112	29 - 146
Chloroform	20.0	22.2		ug/L		111	74 - 127
Chloromethane	20.0	20.7		ug/L		104	46 - 148
2-Chlorotoluene	20.0	20.6		ug/L		103	73 - 126
4-Chlorotoluene	20.0	20.6		ug/L		103	73 - 126
cis-1,2-Dichloroethene	20.0	21.1		ug/L		106	75 - 124
cis-1,3-Dichloropropene	20.0	23.1		ug/L		115	68 - 128
Dibromochloromethane	20.0	19.7		ug/L		98	75 - 120
1,2-Dibromo-3-Chloropropane	20.0	15.8		ug/L		79	34 - 136
1,2-Dibromoethane	20.0	20.1		ug/L		100	73 - 120
Dibromomethane	20.0	22.5		ug/L		113	67 - 121
1,2-Dichlorobenzene	20.0	19.7		ug/L		99	74 - 120
1,3-Dichlorobenzene	20.0	19.8		ug/L		99	74 - 120
1,4-Dichlorobenzene	20.0	20.2		ug/L		101	75 - 120
Dichlorodifluoromethane	20.0	26.5		ug/L		132	35 - 137
1,1-Dichloroethane	20.0	20.8		ug/L		104	74 - 126
1,2-Dichloroethane	20.0	23.4		ug/L		117	66 - 129
1,1-Dichloroethene	20.0	21.9		ug/L		109	73 - 129
1,2-Dichloropropane	20.0	22.6		ug/L		113	79 - 127
1,3-Dichloropropane	20.0	20.8		ug/L		104	74 - 122
2,2-Dichloropropane	20.0	21.9		ug/L		109	67 - 137
1,1-Dichloropropene	20.0	22.6		ug/L		113	78 - 120
Ethylbenzene	20.0	20.7		ug/L		104	80 - 120
Hexachlorobutadiene	20.0	17.2		ug/L		86	40 - 120
2-Hexanone	40.0	39.7		ug/L		99	43 - 142
Isopropylbenzene	20.0	20.4		ug/L		102	73 - 123
Methylene Chloride	20.0	20.4		ug/L		102	63 - 134
4-Methyl-2-pentanone	40.0	43.5		ug/L		109	43 - 145
Methyl tert-butyl ether	20.0	21.0		ug/L		105	57 - 127
m-Xylene & p-Xylene	20.0	20.7		ug/L		104	79 - 121
Naphthalene	20.0	17.7		ug/L		88	28 - 130
n-Butylbenzene	20.0	20.0		ug/L		100	54 - 129
n-Propylbenzene	20.0	20.5		ug/L		103	67 - 130
o-Xylene	20.0	20.4		ug/L		102	75 - 123
p-Isopropyltoluene	20.0	20.6		ug/L		103	66 - 127
sec-Butylbenzene	20.0	20.1		ug/L		101	60 - 131
Styrene	20.0	22.1		ug/L		110	75 - 121
tert-Butyl alcohol	200	196		ug/L		98	15 - 169
tert-Butylbenzene	20.0	21.4		ug/L		107	63 - 126
1,1,1,2-Tetrachloroethane	20.0	20.4		ug/L		102	77 - 120
1,1,2,2-Tetrachloroethane	20.0	20.1		ug/L		100	45 - 151
Tetrachloroethene	20.0	20.4		ug/L		102	70 - 125
Toluene	20.0	21.1		ug/L		106	79 - 122
trans-1,2-Dichloroethene	20.0	21.2		ug/L		106	74 - 130
trans-1,3-Dichloropropene	20.0	21.6		ug/L		108	64 - 120
1,2,3-Trichlorobenzene	20.0	18.1		ug/L		91	42 - 126

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

Lab Sample ID: LCS 240-495770/5
Matrix: Water
Analysis Batch: 495770

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	18.9		ug/L		95	47 - 120		
1,1,1-Trichloroethane			20.0	22.6		ug/L		113	65 - 141		
Trichloroethene			20.0	22.7		ug/L		114	71 - 121		
Trichlorofluoromethane			20.0	24.1		ug/L		120	52 - 148		
1,2,3-Trichloropropane			20.0	19.8		ug/L		99	57 - 137		
1,1,2-Trichloro-1,2,2-trichfluoroethane			20.0	20.4		ug/L		102	54 - 148		
1,2,4-Trimethylbenzene			20.0	20.5		ug/L		103	66 - 129		
Vinyl acetate			20.0	18.2		ug/L		91	44 - 160		
Vinyl chloride			20.0	23.3		ug/L		117	61 - 134		
Xylenes, Total			40.0	41.1		ug/L		103	78 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*47 - 134*
Dibromofluoromethane (Surr)	*105*		*78 - 129*
1,2-Dichloroethane-d4 (Surr)	*107*		*75 - 130*
Toluene-d8 (Surr)	*102*		*69 - 122*

Lab Sample ID: MB 240-495975/8
Matrix: Water
Analysis Batch: 495975

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			07/21/21 13:02	1
Benzene	1.0	U	1.0	0.42	ug/L			07/21/21 13:02	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/21/21 13:02	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/21/21 13:02	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/21/21 13:02	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/21/21 13:02	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/21/21 13:02	1
2-Butanone	10	U	10	1.2	ug/L			07/21/21 13:02	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/21/21 13:02	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/21/21 13:02	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/21/21 13:02	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/21/21 13:02	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/21/21 13:02	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/21/21 13:02	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/21/21 13:02	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/21/21 13:02	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/21/21 13:02	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/21/21 13:02	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/21/21 13:02	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/21/21 13:02	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/21/21 13:02	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/21/21 13:02	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/21/21 13:02	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/21/21 13:02	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/21/21 13:02	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/21/21 13:02	1

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

Lab Sample ID: MB 240-495975/8
Matrix: Water
Analysis Batch: 495975

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			07/21/21 13:02	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/21/21 13:02	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/21/21 13:02	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/21/21 13:02	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/21/21 13:02	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/21/21 13:02	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/21/21 13:02	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/21/21 13:02	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/21/21 13:02	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/21/21 13:02	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/21/21 13:02	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/21/21 13:02	1
2-Hexanone	10	U	10	1.1	ug/L			07/21/21 13:02	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/21/21 13:02	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/21/21 13:02	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/21/21 13:02	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/21/21 13:02	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/21/21 13:02	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/21/21 13:02	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/21/21 13:02	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/21/21 13:02	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/21/21 13:02	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/21/21 13:02	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/21/21 13:02	1
Styrene	1.0	U	1.0	0.45	ug/L			07/21/21 13:02	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/21/21 13:02	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/21/21 13:02	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/21/21 13:02	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/21/21 13:02	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/21/21 13:02	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/21/21 13:02	1
Toluene	1.0	U	1.0	0.44	ug/L			07/21/21 13:02	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/21/21 13:02	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/21/21 13:02	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/21/21 13:02	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/21/21 13:02	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/21/21 13:02	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/21/21 13:02	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/21/21 13:02	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/21/21 13:02	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/21/21 13:02	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/21/21 13:02	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/21/21 13:02	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/21/21 13:02	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/21/21 13:02	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/21/21 13:02	1

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

Lab Sample ID: MB 240-495975/8
Matrix: Water
Analysis Batch: 495975

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					07/21/21 13:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		47 - 134		07/21/21 13:02	1
Dibromofluoromethane (Surr)	98		78 - 129		07/21/21 13:02	1
1,2-Dichloroethane-d4 (Surr)	98		75 - 130		07/21/21 13:02	1
Toluene-d8 (Surr)	97		69 - 122		07/21/21 13:02	1

Lab Sample ID: LCS 240-495975/5
Matrix: Water
Analysis Batch: 495975

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	32.8		ug/L		82	33 - 155
Benzene	20.0	22.0		ug/L		110	77 - 123
Bromobenzene	20.0	20.4		ug/L		102	77 - 120
Bromochloromethane	20.0	20.7		ug/L		103	70 - 128
Bromodichloromethane	20.0	22.0		ug/L		110	73 - 122
Bromoform	20.0	18.0		ug/L		90	47 - 133
Bromomethane	20.0	20.0		ug/L		100	48 - 144
2-Butanone	40.0	38.3		ug/L		96	41 - 151
Carbon disulfide	20.0	19.5		ug/L		97	67 - 127
Carbon tetrachloride	20.0	23.9		ug/L		120	61 - 142
Chlorobenzene	20.0	20.9		ug/L		105	80 - 120
Chloroethane	20.0	20.3		ug/L		102	41 - 147
2-Chloroethyl vinyl ether	20.0	21.4		ug/L		107	29 - 146
Chloroform	20.0	22.5		ug/L		112	74 - 127
Chloromethane	20.0	19.2		ug/L		96	46 - 148
2-Chlorotoluene	20.0	20.5		ug/L		102	73 - 126
4-Chlorotoluene	20.0	20.7		ug/L		104	73 - 126
cis-1,2-Dichloroethene	20.0	21.8		ug/L		109	75 - 124
cis-1,3-Dichloropropene	20.0	22.7		ug/L		113	68 - 128
Dibromochloromethane	20.0	20.0		ug/L		100	75 - 120
1,2-Dibromo-3-Chloropropane	20.0	16.0		ug/L		80	34 - 136
1,2-Dibromoethane	20.0	20.5		ug/L		103	73 - 120
Dibromomethane	20.0	22.7		ug/L		114	67 - 121
1,2-Dichlorobenzene	20.0	20.0		ug/L		100	74 - 120
1,3-Dichlorobenzene	20.0	19.7		ug/L		98	74 - 120
1,4-Dichlorobenzene	20.0	20.4		ug/L		102	75 - 120
Dichlorodifluoromethane	20.0	27.8	*+	ug/L		139	35 - 137
1,1-Dichloroethane	20.0	20.7		ug/L		103	74 - 126
1,2-Dichloroethane	20.0	23.3		ug/L		116	66 - 129
1,1-Dichloroethene	20.0	21.9		ug/L		110	73 - 129
1,2-Dichloropropane	20.0	21.8		ug/L		109	79 - 127
1,3-Dichloropropane	20.0	20.6		ug/L		103	74 - 122
2,2-Dichloropropane	20.0	22.2		ug/L		111	67 - 137
1,1-Dichloropropene	20.0	22.5		ug/L		112	78 - 120
Ethylbenzene	20.0	20.5		ug/L		103	80 - 120

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

Lab Sample ID: LCS 240-495975/5
Matrix: Water
Analysis Batch: 495975

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	17.8		ug/L		89	40 - 120
2-Hexanone	40.0	36.9		ug/L		92	43 - 142
Isopropylbenzene	20.0	20.5		ug/L		103	73 - 123
Methylene Chloride	20.0	19.6		ug/L		98	63 - 134
4-Methyl-2-pentanone	40.0	40.2		ug/L		101	43 - 145
Methyl tert-butyl ether	20.0	21.3		ug/L		106	57 - 127
m-Xylene & p-Xylene	20.0	20.3		ug/L		102	79 - 121
Naphthalene	20.0	17.3		ug/L		86	28 - 130
n-Butylbenzene	20.0	19.9		ug/L		100	54 - 129
n-Propylbenzene	20.0	20.5		ug/L		102	67 - 130
o-Xylene	20.0	20.5		ug/L		103	75 - 123
p-Isopropyltoluene	20.0	20.3		ug/L		102	66 - 127
sec-Butylbenzene	20.0	20.7		ug/L		103	60 - 131
Styrene	20.0	22.1		ug/L		110	75 - 121
tert-Butyl alcohol	200	191		ug/L		95	15 - 169
tert-Butylbenzene	20.0	21.3		ug/L		107	63 - 126
1,1,1,2-Tetrachloroethane	20.0	20.2		ug/L		101	77 - 120
1,1,2,2-Tetrachloroethane	20.0	19.2		ug/L		96	45 - 151
Tetrachloroethene	20.0	20.7		ug/L		104	70 - 125
Toluene	20.0	20.8		ug/L		104	79 - 122
trans-1,2-Dichloroethene	20.0	21.4		ug/L		107	74 - 130
trans-1,3-Dichloropropene	20.0	20.5		ug/L		102	64 - 120
1,2,3-Trichlorobenzene	20.0	18.3		ug/L		92	42 - 126
1,2,4-Trichlorobenzene	20.0	18.8		ug/L		94	47 - 120
1,1,1-Trichloroethane	20.0	23.1		ug/L		115	65 - 141
Trichloroethene	20.0	23.1		ug/L		116	71 - 121
Trichlorofluoromethane	20.0	25.4		ug/L		127	52 - 148
1,2,3-Trichloropropane	20.0	19.2		ug/L		96	57 - 137
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	21.2		ug/L		106	54 - 148
1,2,4-Trimethylbenzene	20.0	20.5		ug/L		102	66 - 129
Vinyl acetate	20.0	16.2		ug/L		81	44 - 160
Vinyl chloride	20.0	20.9		ug/L		105	61 - 134
Xylenes, Total	40.0	40.8		ug/L		102	78 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*47 - 134*
Dibromofluoromethane (Surr)	*104*		*78 - 129*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 130*
Toluene-d8 (Surr)	*101*		*69 - 122*

Lab Sample ID: MB 240-496159/8
Matrix: Water
Analysis Batch: 496159

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			07/22/21 13:01	1
Benzene	1.0	U	1.0	0.42	ug/L			07/22/21 13:01	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/22/21 13:01	1

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

Lab Sample ID: MB 240-496159/8
Matrix: Water
Analysis Batch: 496159

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			07/22/21 13:01	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/22/21 13:01	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/22/21 13:01	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/22/21 13:01	1
2-Butanone	10	U	10	1.2	ug/L			07/22/21 13:01	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/22/21 13:01	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/22/21 13:01	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/22/21 13:01	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/22/21 13:01	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/22/21 13:01	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/22/21 13:01	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/22/21 13:01	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/22/21 13:01	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/22/21 13:01	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/22/21 13:01	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/22/21 13:01	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/22/21 13:01	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/22/21 13:01	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/22/21 13:01	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/22/21 13:01	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/22/21 13:01	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/22/21 13:01	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/22/21 13:01	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/22/21 13:01	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/22/21 13:01	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/22/21 13:01	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/22/21 13:01	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/22/21 13:01	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/22/21 13:01	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/22/21 13:01	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/22/21 13:01	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/22/21 13:01	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/22/21 13:01	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/22/21 13:01	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/22/21 13:01	1
2-Hexanone	10	U	10	1.1	ug/L			07/22/21 13:01	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/22/21 13:01	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/22/21 13:01	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/22/21 13:01	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/22/21 13:01	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/22/21 13:01	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/22/21 13:01	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/22/21 13:01	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/22/21 13:01	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/22/21 13:01	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/22/21 13:01	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/22/21 13:01	1
Styrene	1.0	U	1.0	0.45	ug/L			07/22/21 13:01	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/22/21 13:01	1

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

Lab Sample ID: MB 240-496159/8
Matrix: Water
Analysis Batch: 496159

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			07/22/21 13:01	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/22/21 13:01	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/22/21 13:01	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/22/21 13:01	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/22/21 13:01	1
Toluene	1.0	U	1.0	0.44	ug/L			07/22/21 13:01	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/22/21 13:01	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/22/21 13:01	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/22/21 13:01	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/22/21 13:01	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/22/21 13:01	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/22/21 13:01	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/22/21 13:01	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/22/21 13:01	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/22/21 13:01	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/22/21 13:01	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/22/21 13:01	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/22/21 13:01	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/22/21 13:01	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/22/21 13:01	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/22/21 13:01*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*47 - 134*		*07/22/21 13:01*	*1*
Dibromofluoromethane (Surr)	*100*		*78 - 129*		*07/22/21 13:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 130*		*07/22/21 13:01*	*1*
Toluene-d8 (Surr)	*104*		*69 - 122*		*07/22/21 13:01*	*1*

Lab Sample ID: LCS 240-496159/5
Matrix: Water
Analysis Batch: 496159

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	31.1		ug/L		78	33 - 155
Benzene	20.0	22.5		ug/L		112	77 - 123
Bromobenzene	20.0	21.4		ug/L		107	77 - 120
Bromochloromethane	20.0	21.4		ug/L		107	70 - 128
Bromodichloromethane	20.0	22.3		ug/L		111	73 - 122
Bromoform	20.0	18.4		ug/L		92	47 - 133
Bromomethane	20.0	19.6		ug/L		98	48 - 144
2-Butanone	40.0	38.2		ug/L		96	41 - 151
Carbon disulfide	20.0	20.1		ug/L		100	67 - 127
Carbon tetrachloride	20.0	24.0		ug/L		120	61 - 142
Chlorobenzene	20.0	21.2		ug/L		106	80 - 120
Chloroethane	20.0	19.8		ug/L		99	41 - 147
2-Chloroethyl vinyl ether	20.0	22.0		ug/L		110	29 - 146

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

Lab Sample ID: LCS 240-496159/5
Matrix: Water
Analysis Batch: 496159

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	23.1		ug/L		116	74 - 127
Chloromethane	20.0	18.5		ug/L		93	46 - 148
2-Chlorotoluene	20.0	21.2		ug/L		106	73 - 126
4-Chlorotoluene	20.0	21.5		ug/L		108	73 - 126
cis-1,2-Dichloroethene	20.0	22.4		ug/L		112	75 - 124
cis-1,3-Dichloropropene	20.0	22.6		ug/L		113	68 - 128
Dibromochloromethane	20.0	20.3		ug/L		102	75 - 120
1,2-Dibromo-3-Chloropropane	20.0	16.2		ug/L		81	34 - 136
1,2-Dibromoethane	20.0	20.6		ug/L		103	73 - 120
Dibromomethane	20.0	23.1		ug/L		115	67 - 121
1,2-Dichlorobenzene	20.0	20.5		ug/L		103	74 - 120
1,3-Dichlorobenzene	20.0	20.9		ug/L		104	74 - 120
1,4-Dichlorobenzene	20.0	20.7		ug/L		103	75 - 120
Dichlorodifluoromethane	20.0	27.0		ug/L		135	35 - 137
1,1-Dichloroethane	20.0	21.4		ug/L		107	74 - 126
1,2-Dichloroethane	20.0	23.2		ug/L		116	66 - 129
1,1-Dichloroethene	20.0	22.6		ug/L		113	73 - 129
1,2-Dichloropropane	20.0	22.4		ug/L		112	79 - 127
1,3-Dichloropropane	20.0	20.6		ug/L		103	74 - 122
2,2-Dichloropropane	20.0	22.3		ug/L		112	67 - 137
1,1-Dichloropropene	20.0	23.2		ug/L		116	78 - 120
Ethylbenzene	20.0	21.3		ug/L		107	80 - 120
Hexachlorobutadiene	20.0	18.5		ug/L		92	40 - 120
2-Hexanone	40.0	35.6		ug/L		89	43 - 142
Isopropylbenzene	20.0	20.9		ug/L		104	73 - 123
Methylene Chloride	20.0	20.1		ug/L		100	63 - 134
4-Methyl-2-pentanone	40.0	38.6		ug/L		96	43 - 145
Methyl tert-butyl ether	20.0	21.7		ug/L		109	57 - 127
m-Xylene & p-Xylene	20.0	21.0		ug/L		105	79 - 121
Naphthalene	20.0	17.6		ug/L		88	28 - 130
n-Butylbenzene	20.0	20.2		ug/L		101	54 - 129
n-Propylbenzene	20.0	21.9		ug/L		109	67 - 130
o-Xylene	20.0	20.6		ug/L		103	75 - 123
p-Isopropyltoluene	20.0	21.0		ug/L		105	66 - 127
sec-Butylbenzene	20.0	21.1		ug/L		106	60 - 131
Styrene	20.0	22.5		ug/L		112	75 - 121
tert-Butyl alcohol	200	187		ug/L		93	15 - 169
tert-Butylbenzene	20.0	19.8		ug/L		99	63 - 126
1,1,1,2-Tetrachloroethane	20.0	20.9		ug/L		105	77 - 120
1,1,2,2-Tetrachloroethane	20.0	20.1		ug/L		100	45 - 151
Tetrachloroethene	20.0	21.1		ug/L		106	70 - 125
Toluene	20.0	21.3		ug/L		106	79 - 122
trans-1,2-Dichloroethene	20.0	21.7		ug/L		109	74 - 130
trans-1,3-Dichloropropene	20.0	20.9		ug/L		105	64 - 120
1,2,3-Trichlorobenzene	20.0	18.5		ug/L		92	42 - 126
1,2,4-Trichlorobenzene	20.0	19.7		ug/L		98	47 - 120
1,1,1-Trichloroethane	20.0	23.8		ug/L		119	65 - 141
Trichloroethene	20.0	23.9		ug/L		120	71 - 121
Trichlorofluoromethane	20.0	26.3		ug/L		131	52 - 148

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

Lab Sample ID: LCS 240-496159/5
Matrix: Water
Analysis Batch: 496159

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	19.6		ug/L		98	57 - 137		
1,1,2-Trichloro-1,2,2-trichfluoroethane			20.0	21.5		ug/L		107	54 - 148		
1,2,4-Trimethylbenzene			20.0	21.3		ug/L		106	66 - 129		
Vinyl acetate			20.0	16.1		ug/L		80	44 - 160		
Vinyl chloride			20.0	20.5		ug/L		103	61 - 134		
Xylenes, Total			40.0	41.6		ug/L		104	78 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*47 - 134*
Dibromofluoromethane (Surr)	*98*		*78 - 129*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 130*
Toluene-d8 (Surr)	*97*		*69 - 122*

Lab Sample ID: LCSD 240-496159/9
Matrix: Water
Analysis Batch: 496159

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone			40.0	30.0		ug/L		75	33 - 155	4	35
Benzene			20.0	21.7		ug/L		108	77 - 123	4	35
Bromobenzene			20.0	19.9		ug/L		100	77 - 120	7	35
Bromochloromethane			20.0	20.4		ug/L		102	70 - 128	5	35
Bromodichloromethane			20.0	21.5		ug/L		107	73 - 122	4	35
Bromoform			20.0	18.1		ug/L		90	47 - 133	2	35
Bromomethane			20.0	19.3		ug/L		96	48 - 144	1	35
2-Butanone			40.0	36.7		ug/L		92	41 - 151	4	35
Carbon disulfide			20.0	19.0		ug/L		95	67 - 127	6	35
Carbon tetrachloride			20.0	23.7		ug/L		118	61 - 142	1	35
Chlorobenzene			20.0	21.1		ug/L		105	80 - 120	0	35
Chloroethane			20.0	19.7		ug/L		99	41 - 147	0	35
2-Chloroethyl vinyl ether			20.0	20.6		ug/L		103	29 - 146	7	35
Chloroform			20.0	22.4		ug/L		112	74 - 127	3	35
Chloromethane			20.0	18.5		ug/L		93	46 - 148	0	35
2-Chlorotoluene			20.0	20.4		ug/L		102	73 - 126	4	35
4-Chlorotoluene			20.0	20.7		ug/L		104	73 - 126	4	35
cis-1,2-Dichloroethene			20.0	22.3		ug/L		111	75 - 124	1	35
cis-1,3-Dichloropropene			20.0	21.6		ug/L		108	68 - 128	4	35
Dibromochloromethane			20.0	20.2		ug/L		101	75 - 120	1	35
1,2-Dibromo-3-Chloropropane			20.0	14.5		ug/L		73	34 - 136	11	35
1,2-Dibromoethane			20.0	20.7		ug/L		103	73 - 120	0	35
Dibromomethane			20.0	22.8		ug/L		114	67 - 121	1	35
1,2-Dichlorobenzene			20.0	19.9		ug/L		100	74 - 120	3	35
1,3-Dichlorobenzene			20.0	19.9		ug/L		99	74 - 120	5	35
1,4-Dichlorobenzene			20.0	20.2		ug/L		101	75 - 120	2	35
Dichlorodifluoromethane			20.0	26.8		ug/L		134	35 - 137	1	35
1,1-Dichloroethane			20.0	20.3		ug/L		102	74 - 126	5	35
1,2-Dichloroethane			20.0	22.6		ug/L		113	66 - 129	3	35
1,1-Dichloroethene			20.0	22.0		ug/L		110	73 - 129	3	35

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

Lab Sample ID: LCSD 240-496159/9
Matrix: Water
Analysis Batch: 496159

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloropropane			20.0	21.1		ug/L		105	79 - 127	6	35
1,3-Dichloropropane			20.0	20.3		ug/L		102	74 - 122	1	35
2,2-Dichloropropane			20.0	21.8		ug/L		109	67 - 137	2	35
1,1-Dichloropropene			20.0	22.4		ug/L		112	78 - 120	3	35
Ethylbenzene			20.0	21.0		ug/L		105	80 - 120	1	35
Hexachlorobutadiene			20.0	18.0		ug/L		90	40 - 120	3	35
2-Hexanone			40.0	34.2		ug/L		86	43 - 142	4	35
Isopropylbenzene			20.0	20.9		ug/L		104	73 - 123	0	35
Methylene Chloride			20.0	19.2		ug/L		96	63 - 134	4	35
4-Methyl-2-pentanone			40.0	36.4		ug/L		91	43 - 145	6	35
Methyl tert-butyl ether			20.0	21.0		ug/L		105	57 - 127	3	35
m-Xylene & p-Xylene			20.0	20.6		ug/L		103	79 - 121	2	35
Naphthalene			20.0	16.7		ug/L		83	28 - 130	5	35
n-Butylbenzene			20.0	19.7		ug/L		98	54 - 129	3	35
n-Propylbenzene			20.0	20.8		ug/L		104	67 - 130	5	35
o-Xylene			20.0	20.8		ug/L		104	75 - 123	1	35
p-Isopropyltoluene			20.0	20.2		ug/L		101	66 - 127	4	35
sec-Butylbenzene			20.0	20.5		ug/L		103	60 - 131	3	35
Styrene			20.0	22.4		ug/L		112	75 - 121	1	35
tert-Butyl alcohol			200	173		ug/L		87	15 - 169	8	35
tert-Butylbenzene			20.0	21.2		ug/L		106	63 - 126	7	35
1,1,1,2-Tetrachloroethane			20.0	20.5		ug/L		103	77 - 120	2	35
1,1,2,2-Tetrachloroethane			20.0	18.7		ug/L		93	45 - 151	7	35
Tetrachloroethene			20.0	21.6		ug/L		108	70 - 125	2	35
Toluene			20.0	21.3		ug/L		106	79 - 122	0	35
trans-1,2-Dichloroethene			20.0	21.1		ug/L		105	74 - 130	3	35
trans-1,3-Dichloropropene			20.0	20.3		ug/L		102	64 - 120	3	35
1,2,3-Trichlorobenzene			20.0	17.9		ug/L		90	42 - 126	3	35
1,2,4-Trichlorobenzene			20.0	18.8		ug/L		94	47 - 120	4	35
1,1,1-Trichloroethane			20.0	23.0		ug/L		115	65 - 141	3	35
Trichloroethene			20.0	23.5		ug/L		118	71 - 121	2	35
Trichlorofluoromethane			20.0	26.1		ug/L		130	52 - 148	1	35
1,2,3-Trichloropropane			20.0	18.4		ug/L		92	57 - 137	6	35
1,1,2-Trichloro-1,2,2-trichfluoroethane			20.0	21.9		ug/L		109	54 - 148	2	35
1,2,4-Trimethylbenzene			20.0	20.4		ug/L		102	66 - 129	4	35
Vinyl acetate			20.0	14.9		ug/L		74	44 - 160	8	35
Vinyl chloride			20.0	20.2		ug/L		101	61 - 134	2	35
Xylenes, Total			40.0	41.4		ug/L		104	78 - 122	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*47 - 134*
Dibromofluoromethane (Surr)	*102*		*78 - 129*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 130*
Toluene-d8 (Surr)	*104*		*69 - 122*

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

Lab Sample ID: MB 240-496393/8
Matrix: Water
Analysis Batch: 496393

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			07/23/21 17:12	1
Benzene	1.0	U	1.0	0.42	ug/L			07/23/21 17:12	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/23/21 17:12	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/23/21 17:12	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/23/21 17:12	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/23/21 17:12	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/23/21 17:12	1
2-Butanone	10	U	10	1.2	ug/L			07/23/21 17:12	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/23/21 17:12	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/23/21 17:12	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/23/21 17:12	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/23/21 17:12	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/23/21 17:12	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/23/21 17:12	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/23/21 17:12	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/23/21 17:12	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/23/21 17:12	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/23/21 17:12	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/23/21 17:12	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/23/21 17:12	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/23/21 17:12	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/23/21 17:12	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/23/21 17:12	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/23/21 17:12	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/23/21 17:12	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/23/21 17:12	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			07/23/21 17:12	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/23/21 17:12	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/23/21 17:12	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/23/21 17:12	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/23/21 17:12	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/23/21 17:12	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/23/21 17:12	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/23/21 17:12	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/23/21 17:12	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/23/21 17:12	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/23/21 17:12	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/23/21 17:12	1
2-Hexanone	10	U	10	1.1	ug/L			07/23/21 17:12	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/23/21 17:12	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/23/21 17:12	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/23/21 17:12	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/23/21 17:12	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/23/21 17:12	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/23/21 17:12	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/23/21 17:12	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/23/21 17:12	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/23/21 17:12	1

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

Lab Sample ID: MB 240-496393/8
Matrix: Water
Analysis Batch: 496393

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			07/23/21 17:12	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/23/21 17:12	1
Styrene	1.0	U	1.0	0.45	ug/L			07/23/21 17:12	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/23/21 17:12	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/23/21 17:12	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/23/21 17:12	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/23/21 17:12	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/23/21 17:12	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/23/21 17:12	1
Toluene	1.0	U	1.0	0.44	ug/L			07/23/21 17:12	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/23/21 17:12	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/23/21 17:12	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/23/21 17:12	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/23/21 17:12	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/23/21 17:12	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/23/21 17:12	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/23/21 17:12	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/23/21 17:12	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/23/21 17:12	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/23/21 17:12	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/23/21 17:12	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/23/21 17:12	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/23/21 17:12	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/23/21 17:12	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/23/21 17:12*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*47 - 134*		*07/23/21 17:12*	*1*
Dibromofluoromethane (Surr)	*93*		*78 - 129*		*07/23/21 17:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*75 - 130*		*07/23/21 17:12*	*1*
Toluene-d8 (Surr)	*104*		*69 - 122*		*07/23/21 17:12*	*1*

Lab Sample ID: LCS 240-496393/5
Matrix: Water
Analysis Batch: 496393

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	35.8		ug/L		90	33 - 155
Benzene	20.0	19.3		ug/L		97	77 - 123
Bromobenzene	20.0	19.9		ug/L		100	77 - 120
Bromochloromethane	20.0	17.6		ug/L		88	70 - 128
Bromodichloromethane	20.0	18.1		ug/L		91	73 - 122
Bromoform	20.0	16.5		ug/L		83	47 - 133
Bromomethane	20.0	21.7		ug/L		108	48 - 144
2-Butanone	40.0	37.5		ug/L		94	41 - 151
Carbon disulfide	20.0	17.7		ug/L		88	67 - 127

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

Lab Sample ID: LCS 240-496393/5
Matrix: Water
Analysis Batch: 496393

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	19.6		ug/L		98	61 - 142
Chlorobenzene	20.0	20.1		ug/L		100	80 - 120
Chloroethane	20.0	22.5		ug/L		113	41 - 147
2-Chloroethyl vinyl ether	20.0	18.0		ug/L		90	29 - 146
Chloroform	20.0	18.8		ug/L		94	74 - 127
Chloromethane	20.0	17.5		ug/L		87	46 - 148
2-Chlorotoluene	20.0	21.1		ug/L		106	73 - 126
4-Chlorotoluene	20.0	20.9		ug/L		105	73 - 126
cis-1,2-Dichloroethene	20.0	18.6		ug/L		93	75 - 124
cis-1,3-Dichloropropene	20.0	16.6		ug/L		83	68 - 128
Dibromochloromethane	20.0	18.8		ug/L		94	75 - 120
1,2-Dibromo-3-Chloropropane	20.0	17.1		ug/L		86	34 - 136
1,2-Dibromoethane	20.0	19.9		ug/L		100	73 - 120
Dibromomethane	20.0	16.9		ug/L		84	67 - 121
1,2-Dichlorobenzene	20.0	20.6		ug/L		103	74 - 120
1,3-Dichlorobenzene	20.0	20.5		ug/L		102	74 - 120
1,4-Dichlorobenzene	20.0	20.3		ug/L		101	75 - 120
Dichlorodifluoromethane	20.0	22.3		ug/L		112	35 - 137
1,1-Dichloroethane	20.0	18.5		ug/L		92	74 - 126
1,2-Dichloroethane	20.0	18.3		ug/L		92	66 - 129
1,1-Dichloroethene	20.0	19.7		ug/L		98	73 - 129
1,2-Dichloropropane	20.0	18.6		ug/L		93	79 - 127
1,3-Dichloropropane	20.0	20.7		ug/L		103	74 - 122
2,2-Dichloropropane	20.0	18.8		ug/L		94	67 - 137
1,1-Dichloropropene	20.0	19.2		ug/L		96	78 - 120
Ethylbenzene	20.0	20.6		ug/L		103	80 - 120
Hexachlorobutadiene	20.0	16.8		ug/L		84	40 - 120
2-Hexanone	40.0	37.7		ug/L		94	43 - 142
Isopropylbenzene	20.0	21.0		ug/L		105	73 - 123
Methylene Chloride	20.0	18.3		ug/L		91	63 - 134
4-Methyl-2-pentanone	40.0	34.4		ug/L		86	43 - 145
Methyl tert-butyl ether	20.0	17.2		ug/L		86	57 - 127
m-Xylene & p-Xylene	20.0	20.3		ug/L		101	79 - 121
Naphthalene	20.0	18.7		ug/L		94	28 - 130
n-Butylbenzene	20.0	21.7		ug/L		109	54 - 129
n-Propylbenzene	20.0	21.5		ug/L		107	67 - 130
o-Xylene	20.0	20.4		ug/L		102	75 - 123
p-Isopropyltoluene	20.0	21.2		ug/L		106	66 - 127
sec-Butylbenzene	20.0	22.3		ug/L		112	60 - 131
Styrene	20.0	19.5		ug/L		98	75 - 121
tert-Butyl alcohol	200	171		ug/L		85	15 - 169
tert-Butylbenzene	20.0	21.6		ug/L		108	63 - 126
1,1,1,2-Tetrachloroethane	20.0	19.1		ug/L		95	77 - 120
1,1,2,2-Tetrachloroethane	20.0	22.0		ug/L		110	45 - 151
Tetrachloroethene	20.0	19.7		ug/L		99	70 - 125
Toluene	20.0	21.1		ug/L		105	79 - 122
trans-1,2-Dichloroethene	20.0	18.3		ug/L		91	74 - 130
trans-1,3-Dichloropropene	20.0	17.8		ug/L		89	64 - 120
1,2,3-Trichlorobenzene	20.0	17.7		ug/L		88	42 - 126

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

Lab Sample ID: LCS 240-496393/5
Matrix: Water
Analysis Batch: 496393

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	18.1		ug/L		90	47 - 120		
1,1,1-Trichloroethane			20.0	19.4		ug/L		97	65 - 141		
Trichloroethene			20.0	18.6		ug/L		93	71 - 121		
Trichlorofluoromethane			20.0	24.0		ug/L		120	52 - 148		
1,2,3-Trichloropropane			20.0	21.8		ug/L		109	57 - 137		
1,1,2-Trichloro-1,2,2-trichfluoroethane			20.0	22.1		ug/L		110	54 - 148		
1,2,4-Trimethylbenzene			20.0	21.5		ug/L		108	66 - 129		
Vinyl acetate			20.0	14.4		ug/L		72	44 - 160		
Vinyl chloride			20.0	19.7		ug/L		99	61 - 134		
Xylenes, Total			40.0	40.7		ug/L		102	78 - 122		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*47 - 134*
Dibromofluoromethane (Surr)	*92*		*78 - 129*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 130*
Toluene-d8 (Surr)	*102*		*69 - 122*

Lab Sample ID: MB 240-496537/8
Matrix: Water
Analysis Batch: 496537

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			07/26/21 13:29	1
Benzene	1.0	U	1.0	0.42	ug/L			07/26/21 13:29	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			07/26/21 13:29	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			07/26/21 13:29	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			07/26/21 13:29	1
Bromoform	1.0	U	1.0	0.76	ug/L			07/26/21 13:29	1
Bromomethane	1.0	U	1.0	0.42	ug/L			07/26/21 13:29	1
2-Butanone	10	U	10	1.2	ug/L			07/26/21 13:29	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			07/26/21 13:29	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			07/26/21 13:29	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			07/26/21 13:29	1
Chloroethane	1.0	U	1.0	0.83	ug/L			07/26/21 13:29	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			07/26/21 13:29	1
Chloroform	1.0	U	1.0	0.47	ug/L			07/26/21 13:29	1
Chloromethane	1.0	U	1.0	0.63	ug/L			07/26/21 13:29	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			07/26/21 13:29	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			07/26/21 13:29	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			07/26/21 13:29	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			07/26/21 13:29	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			07/26/21 13:29	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			07/26/21 13:29	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			07/26/21 13:29	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			07/26/21 13:29	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			07/26/21 13:29	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			07/26/21 13:29	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			07/26/21 13:29	1

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

Lab Sample ID: MB 240-496537/8
Matrix: Water
Analysis Batch: 496537

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			07/26/21 13:29	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			07/26/21 13:29	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			07/26/21 13:29	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			07/26/21 13:29	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			07/26/21 13:29	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			07/26/21 13:29	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			07/26/21 13:29	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			07/26/21 13:29	1
Diisopropyl ether	10	U	10	0.17	ug/L			07/26/21 13:29	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			07/26/21 13:29	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			07/26/21 13:29	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			07/26/21 13:29	1
2-Hexanone	10	U	10	1.1	ug/L			07/26/21 13:29	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			07/26/21 13:29	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			07/26/21 13:29	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			07/26/21 13:29	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			07/26/21 13:29	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			07/26/21 13:29	1
Naphthalene	1.0	U	1.0	0.80	ug/L			07/26/21 13:29	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			07/26/21 13:29	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			07/26/21 13:29	1
o-Xylene	1.0	U	1.0	0.42	ug/L			07/26/21 13:29	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			07/26/21 13:29	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			07/26/21 13:29	1
Styrene	1.0	U	1.0	0.45	ug/L			07/26/21 13:29	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			07/26/21 13:29	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			07/26/21 13:29	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			07/26/21 13:29	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			07/26/21 13:29	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			07/26/21 13:29	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			07/26/21 13:29	1
Toluene	1.0	U	1.0	0.44	ug/L			07/26/21 13:29	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			07/26/21 13:29	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			07/26/21 13:29	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			07/26/21 13:29	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			07/26/21 13:29	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			07/26/21 13:29	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			07/26/21 13:29	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			07/26/21 13:29	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			07/26/21 13:29	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			07/26/21 13:29	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			07/26/21 13:29	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			07/26/21 13:29	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			07/26/21 13:29	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			07/26/21 13:29	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			07/26/21 13:29	1

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

Lab Sample ID: MB 240-496537/8
Matrix: Water
Analysis Batch: 496537

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
Unknown	3.93	T J	ug/L		1.54			07/26/21 13:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		47 - 134		07/26/21 13:29	1
Dibromofluoromethane (Surr)	113		78 - 129		07/26/21 13:29	1
1,2-Dichloroethane-d4 (Surr)	107		75 - 130		07/26/21 13:29	1
Toluene-d8 (Surr)	93		69 - 122		07/26/21 13:29	1

Lab Sample ID: LCS 240-496537/5
Matrix: Water
Analysis Batch: 496537

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	39.4		ug/L		98	33 - 155
Benzene	20.0	18.9		ug/L		95	77 - 123
Bromobenzene	20.0	18.8		ug/L		94	77 - 120
Bromochloromethane	20.0	19.8		ug/L		99	70 - 128
Bromodichloromethane	20.0	17.9		ug/L		90	73 - 122
Bromoform	20.0	15.9		ug/L		80	47 - 133
Bromomethane	20.0	22.3	E	ug/L		111	48 - 144
2-Butanone	40.0	40.0		ug/L		100	41 - 151
Carbon disulfide	20.0	18.9		ug/L		95	67 - 127
Carbon tetrachloride	20.0	19.8		ug/L		99	61 - 142
Chlorobenzene	20.0	19.1		ug/L		96	80 - 120
Chloroethane	20.0	18.8		ug/L		94	41 - 147
2-Chloroethyl vinyl ether	20.0	13.5		ug/L		67	29 - 146
Chloroform	20.0	19.5		ug/L		98	74 - 127
Chloromethane	20.0	19.1		ug/L		95	46 - 148
2-Chlorotoluene	20.0	19.1		ug/L		95	73 - 126
4-Chlorotoluene	20.0	19.1		ug/L		96	73 - 126
cis-1,2-Dichloroethene	20.0	19.4		ug/L		97	75 - 124
cis-1,3-Dichloropropene	20.0	17.9		ug/L		90	68 - 128
Dibromochloromethane	20.0	16.8		ug/L		84	75 - 120
1,2-Dibromo-3-Chloropropane	20.0	15.2		ug/L		76	34 - 136
1,2-Dibromoethane	20.0	19.2		ug/L		96	73 - 120
Dibromomethane	20.0	19.2		ug/L		96	67 - 121
1,2-Dichlorobenzene	20.0	18.8		ug/L		94	74 - 120
1,3-Dichlorobenzene	20.0	19.1		ug/L		95	74 - 120
1,4-Dichlorobenzene	20.0	19.3		ug/L		96	75 - 120
Dichlorodifluoromethane	20.0	17.8		ug/L		89	35 - 137
1,1-Dichloroethane	20.0	18.2		ug/L		91	74 - 126
1,2-Dichloroethane	20.0	19.8		ug/L		99	66 - 129
1,1-Dichloroethene	20.0	20.4		ug/L		102	73 - 129
1,2-Dichloropropane	20.0	18.4		ug/L		92	79 - 127
1,3-Dichloropropane	20.0	18.2		ug/L		91	74 - 122
2,2-Dichloropropane	20.0	18.3		ug/L		91	67 - 137
1,1-Dichloropropene	20.0	19.3		ug/L		96	78 - 120
Ethylbenzene	20.0	19.6		ug/L		98	80 - 120

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

Lab Sample ID: LCS 240-496537/5
Matrix: Water
Analysis Batch: 496537

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	18.7		ug/L		94	40 - 120
2-Hexanone	40.0	34.4		ug/L		86	43 - 142
Isopropylbenzene	20.0	20.0		ug/L		100	73 - 123
Methylene Chloride	20.0	19.2		ug/L		96	63 - 134
4-Methyl-2-pentanone	40.0	33.7		ug/L		84	43 - 145
Methyl tert-butyl ether	20.0	18.8		ug/L		94	57 - 127
m-Xylene & p-Xylene	20.0	19.7		ug/L		99	79 - 121
Naphthalene	20.0	16.4		ug/L		82	28 - 130
n-Butylbenzene	20.0	18.4		ug/L		92	54 - 129
n-Propylbenzene	20.0	18.8		ug/L		94	67 - 130
o-Xylene	20.0	19.9		ug/L		99	75 - 123
p-Isopropyltoluene	20.0	19.1		ug/L		95	66 - 127
sec-Butylbenzene	20.0	18.7		ug/L		94	60 - 131
Styrene	20.0	21.5		ug/L		108	75 - 121
tert-Butyl alcohol	200	176		ug/L		88	15 - 169
tert-Butylbenzene	20.0	18.6		ug/L		93	63 - 126
1,1,1,2-Tetrachloroethane	20.0	18.9		ug/L		94	77 - 120
1,1,2,2-Tetrachloroethane	20.0	17.8		ug/L		89	45 - 151
Tetrachloroethene	20.0	19.4		ug/L		97	70 - 125
Toluene	20.0	18.7		ug/L		93	79 - 122
trans-1,2-Dichloroethene	20.0	19.4		ug/L		97	74 - 130
trans-1,3-Dichloropropene	20.0	17.2		ug/L		86	64 - 120
1,2,3-Trichlorobenzene	20.0	16.9		ug/L		84	42 - 126
1,2,4-Trichlorobenzene	20.0	17.2		ug/L		86	47 - 120
1,1,1-Trichloroethane	20.0	19.8		ug/L		99	65 - 141
Trichloroethene	20.0	19.8		ug/L		99	71 - 121
Trichlorofluoromethane	20.0	22.3		ug/L		112	52 - 148
1,2,3-Trichloropropane	20.0	18.0		ug/L		90	57 - 137
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	21.9		ug/L		110	54 - 148
1,2,4-Trimethylbenzene	20.0	18.6		ug/L		93	66 - 129
Vinyl acetate	20.0	21.2		ug/L		106	44 - 160
Vinyl chloride	20.0	21.1		ug/L		106	61 - 134
Xylenes, Total	40.0	39.6		ug/L		99	78 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*47 - 134*
Dibromofluoromethane (Surr)	*101*		*78 - 129*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 130*
Toluene-d8 (Surr)	*97*		*69 - 122*

GC/MS VOA

Analysis Batch: 495770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-152946-1	MSA-SW37A-071521	Total/NA	Water	8260C	
240-152946-2	MSA-SW37B-071521	Total/NA	Water	8260C	
240-152946-3	MSA-SW37C-071521	Total/NA	Water	8260C	
240-152946-4	MSA-SW37D-071521	Total/NA	Water	8260C	
240-152946-5	MSA-SW38A-071521	Total/NA	Water	8260C	
MB 240-495770/8	Method Blank	Total/NA	Water	8260C	
LCS 240-495770/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 495975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-152946-6	MSA-SW38B-071521	Total/NA	Water	8260C	
MB 240-495975/8	Method Blank	Total/NA	Water	8260C	
LCS 240-495975/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 496159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-152946-7	MSA-SW38C-071521	Total/NA	Water	8260C	
240-152946-8	MSA-SW38D-071521	Total/NA	Water	8260C	
240-152946-9	MSA-SW40A-071521	Total/NA	Water	8260C	
240-152946-10	MSA-SW40B-071521	Total/NA	Water	8260C	
240-152946-11	MSA-SW40C-071521	Total/NA	Water	8260C	
240-152946-12	MSA-SW40D-071521	Total/NA	Water	8260C	
240-152946-13	MSA-SW41A-071521	Total/NA	Water	8260C	
240-152946-14	MSA-SW41B-071521	Total/NA	Water	8260C	
240-152946-15	MSA-SW41C-071521	Total/NA	Water	8260C	
240-152946-16	MSA-SW41D-071521	Total/NA	Water	8260C	
240-152946-17	MSA-SW42A-071521	Total/NA	Water	8260C	
240-152946-19	MSA-SW42C-071521	Total/NA	Water	8260C	
MB 240-496159/8	Method Blank	Total/NA	Water	8260C	
LCS 240-496159/5	Lab Control Sample	Total/NA	Water	8260C	
LCSD 240-496159/9	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 496393

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-152946-23	MSA-SW43C-071521	Total/NA	Water	8260C	
240-152946-24	MSA-SW43D-071521	Total/NA	Water	8260C	
240-152946-25	MSA-SW44A-071521	Total/NA	Water	8260C	
240-152946-26	MSA-SW44B-071521	Total/NA	Water	8260C	
240-152946-27	MSA-SW44C-071521	Total/NA	Water	8260C	
240-152946-28	MSA-SW44D-071521	Total/NA	Water	8260C	
240-152946-29	TB-071521	Total/NA	Water	8260C	
240-152946-30	MSA-SW46A-071521	Total/NA	Water	8260C	
240-152946-31	MSA-SW47A-071521	Total/NA	Water	8260C	
240-152946-32	MSA-SW48A-071521	Total/NA	Water	8260C	
240-152946-33	MSA-SW49A-071521	Total/NA	Water	8260C	
MB 240-496393/8	Method Blank	Total/NA	Water	8260C	
LCS 240-496393/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 496537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-152946-18	MSA-SW42B-071521	Total/NA	Water	8260C	

GC/MS VOA (Continued)

Analysis Batch: 496537 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-152946-20	MSA-SW42D-071521	Total/NA	Water	8260C	
240-152946-21	MSA-SW43A-071521	Total/NA	Water	8260C	
240-152946-22	MSA-SW43B-071521	Total/NA	Water	8260C	
MB 240-496537/8	Method Blank	Total/NA	Water	8260C	
LCS 240-496537/5	Lab Control Sample	Total/NA	Water	8260C	

Client Sample ID: MSA-SW37A-071521
Lab Sample ID: 240-152946-1
Date Collected: 07/15/21 09:21
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	495770	07/20/21 15:09	HMB	TAL CAN

Client Sample ID: MSA-SW37B-071521
Lab Sample ID: 240-152946-2
Date Collected: 07/15/21 09:23
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	495770	07/20/21 15:32	HMB	TAL CAN

Client Sample ID: MSA-SW37C-071521
Lab Sample ID: 240-152946-3
Date Collected: 07/15/21 09:26
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	495770	07/20/21 15:55	HMB	TAL CAN

Client Sample ID: MSA-SW37D-071521
Lab Sample ID: 240-152946-4
Date Collected: 07/15/21 09:28
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	495770	07/20/21 16:18	HMB	TAL CAN

Client Sample ID: MSA-SW38A-071521
Lab Sample ID: 240-152946-5
Date Collected: 07/15/21 08:34
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	495770	07/20/21 16:41	HMB	TAL CAN

Client Sample ID: MSA-SW38B-071521
Lab Sample ID: 240-152946-6
Date Collected: 07/15/21 08:36
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	495975	07/21/21 20:19	HMB	TAL CAN

Client Sample ID: MSA-SW38C-071521
Lab Sample ID: 240-152946-7
Date Collected: 07/15/21 08:38
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	496159	07/22/21 15:19	HMB	TAL CAN

Client Sample ID: MSA-SW38D-071521
Lab Sample ID: 240-152946-8
Date Collected: 07/15/21 08:41
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	496159	07/22/21 15:42	HMB	TAL CAN

Client Sample ID: MSA-SW40A-071521
Lab Sample ID: 240-152946-9
Date Collected: 07/15/21 08:51
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	496159	07/22/21 16:05	HMB	TAL CAN

Client Sample ID: MSA-SW40B-071521
Lab Sample ID: 240-152946-10
Date Collected: 07/15/21 08:54
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	496159	07/22/21 16:28	HMB	TAL CAN

Client Sample ID: MSA-SW40C-071521
Lab Sample ID: 240-152946-11
Date Collected: 07/15/21 08:57
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	496159	07/22/21 16:51	HMB	TAL CAN

Client Sample ID: MSA-SW40D-071521
Lab Sample ID: 240-152946-12
Date Collected: 07/15/21 09:00
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	496159	07/22/21 17:14	HMB	TAL CAN

Client Sample ID: MSA-SW41A-071521
Lab Sample ID: 240-152946-13
Date Collected: 07/15/21 08:18
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	496159	07/22/21 17:37	HMB	TAL CAN

Client Sample ID: MSA-SW41B-071521
Lab Sample ID: 240-152946-14
Date Collected: 07/15/21 08:21
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	496159	07/22/21 18:00	HMB	TAL CAN

Client Sample ID: MSA-SW41C-071521
Lab Sample ID: 240-152946-15
Date Collected: 07/15/21 08:25
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	496159	07/22/21 18:23	HMB	TAL CAN

Client Sample ID: MSA-SW41D-071521
Lab Sample ID: 240-152946-16
Date Collected: 07/15/21 08:27
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	496159	07/22/21 18:45	HMB	TAL CAN

Client Sample ID: MSA-SW42A-071521
Lab Sample ID: 240-152946-17
Date Collected: 07/15/21 09:08
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	496159	07/22/21 19:08	HMB	TAL CAN

Client Sample ID: MSA-SW42B-071521
Lab Sample ID: 240-152946-18
Date Collected: 07/15/21 09:10
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	496537	07/26/21 18:00	HMB	TAL CAN

Client Sample ID: MSA-SW42C-071521
Lab Sample ID: 240-152946-19
Date Collected: 07/15/21 09:13
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	496159	07/22/21 19:53	HMB	TAL CAN

Client Sample ID: MSA-SW42D-071521
Lab Sample ID: 240-152946-20
Date Collected: 07/15/21 09:16
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	496537	07/26/21 18:25	HMB	TAL CAN

Client Sample ID: MSA-SW43A-071521
Lab Sample ID: 240-152946-21
Date Collected: 07/15/21 08:00
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	496537	07/26/21 18:50	HMB	TAL CAN

Client Sample ID: MSA-SW43B-071521
Lab Sample ID: 240-152946-22
Date Collected: 07/15/21 08:04
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	496537	07/26/21 19:15	HMB	TAL CAN

Client Sample ID: MSA-SW43C-071521
Lab Sample ID: 240-152946-23
Date Collected: 07/15/21 08:07
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	496393	07/23/21 19:26	TJL1	TAL CAN

Client Sample ID: MSA-SW43D-071521
Lab Sample ID: 240-152946-24
Date Collected: 07/15/21 08:10
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	496393	07/23/21 19:48	TJL1	TAL CAN

Client Sample ID: MSA-SW44A-071521
Lab Sample ID: 240-152946-25
Date Collected: 07/15/21 07:40
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	496393	07/23/21 20:10	TJL1	TAL CAN

Client Sample ID: MSA-SW44B-071521
Lab Sample ID: 240-152946-26
Date Collected: 07/15/21 07:50
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	496393	07/23/21 20:32	TJL1	TAL CAN

Client Sample ID: MSA-SW44C-071521
Lab Sample ID: 240-152946-27
Date Collected: 07/15/21 07:52
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	496393	07/23/21 20:54	TJL1	TAL CAN

Client Sample ID: MSA-SW44D-071521
Lab Sample ID: 240-152946-28
Date Collected: 07/15/21 07:55
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	496393	07/23/21 21:16	TJL1	TAL CAN

Client Sample ID: TB-071521
Lab Sample ID: 240-152946-29

Date Collected: 07/15/21 00:00
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	496393	07/23/21 21:39	TJL1	TAL CAN

Client Sample ID: MSA-SW46A-071521
Lab Sample ID: 240-152946-30

Date Collected: 07/15/21 09:05
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	496393	07/23/21 22:01	TJL1	TAL CAN

Client Sample ID: MSA-SW47A-071521
Lab Sample ID: 240-152946-31

Date Collected: 07/15/21 08:46
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	496393	07/23/21 22:23	TJL1	TAL CAN

Client Sample ID: MSA-SW48A-071521
Lab Sample ID: 240-152946-32

Date Collected: 07/15/21 08:30
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	496393	07/23/21 22:45	TJL1	TAL CAN

Client Sample ID: MSA-SW49A-071521
Lab Sample ID: 240-152946-33

Date Collected: 07/15/21 08:15
Matrix: Water
Date Received: 07/16/21 12:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	496393	07/23/21 23:08	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: 240-152946-1
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	07-31-21
Iowa	State	421	06-01-21 *
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	08-01-21
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	08-31-21
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

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

Method Summary

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water

Job ID: 240-152946-1
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: 240-152946-1
SDG: Frog Mortar Creek

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-152946-1	MSA-SW37A-071521	Water	07/15/21 09:21	07/16/21 12:27
240-152946-2	MSA-SW37B-071521	Water	07/15/21 09:23	07/16/21 12:27
240-152946-3	MSA-SW37C-071521	Water	07/15/21 09:26	07/16/21 12:27
240-152946-4	MSA-SW37D-071521	Water	07/15/21 09:28	07/16/21 12:27
240-152946-5	MSA-SW38A-071521	Water	07/15/21 08:34	07/16/21 12:27
240-152946-6	MSA-SW38B-071521	Water	07/15/21 08:36	07/16/21 12:27
240-152946-7	MSA-SW38C-071521	Water	07/15/21 08:38	07/16/21 12:27
240-152946-8	MSA-SW38D-071521	Water	07/15/21 08:41	07/16/21 12:27
240-152946-9	MSA-SW40A-071521	Water	07/15/21 08:51	07/16/21 12:27
240-152946-10	MSA-SW40B-071521	Water	07/15/21 08:54	07/16/21 12:27
240-152946-11	MSA-SW40C-071521	Water	07/15/21 08:57	07/16/21 12:27
240-152946-12	MSA-SW40D-071521	Water	07/15/21 09:00	07/16/21 12:27
240-152946-13	MSA-SW41A-071521	Water	07/15/21 08:18	07/16/21 12:27
240-152946-14	MSA-SW41B-071521	Water	07/15/21 08:21	07/16/21 12:27
240-152946-15	MSA-SW41C-071521	Water	07/15/21 08:25	07/16/21 12:27
240-152946-16	MSA-SW41D-071521	Water	07/15/21 08:27	07/16/21 12:27
240-152946-17	MSA-SW42A-071521	Water	07/15/21 09:08	07/16/21 12:27
240-152946-18	MSA-SW42B-071521	Water	07/15/21 09:10	07/16/21 12:27
240-152946-19	MSA-SW42C-071521	Water	07/15/21 09:13	07/16/21 12:27
240-152946-20	MSA-SW42D-071521	Water	07/15/21 09:16	07/16/21 12:27
240-152946-21	MSA-SW43A-071521	Water	07/15/21 08:00	07/16/21 12:27
240-152946-22	MSA-SW43B-071521	Water	07/15/21 08:04	07/16/21 12:27
240-152946-23	MSA-SW43C-071521	Water	07/15/21 08:07	07/16/21 12:27
240-152946-24	MSA-SW43D-071521	Water	07/15/21 08:10	07/16/21 12:27
240-152946-25	MSA-SW44A-071521	Water	07/15/21 07:40	07/16/21 12:27
240-152946-26	MSA-SW44B-071521	Water	07/15/21 07:50	07/16/21 12:27
240-152946-27	MSA-SW44C-071521	Water	07/15/21 07:52	07/16/21 12:27
240-152946-28	MSA-SW44D-071521	Water	07/15/21 07:55	07/16/21 12:27
240-152946-29	TB-071521	Water	07/15/21 00:00	07/16/21 12:27
240-152946-30	MSA-SW46A-071521	Water	07/15/21 09:05	07/16/21 12:27
240-152946-31	MSA-SW47A-071521	Water	07/15/21 08:46	07/16/21 12:27
240-152946-32	MSA-SW48A-071521	Water	07/15/21 08:30	07/16/21 12:27
240-152946-33	MSA-SW49A-071521	Water	07/15/21 08:15	07/16/21 12:27

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 Analysis Batch Number: 482539

Lab Sample ID: STD8260 240-482539/9 IC Client Sample ID:

Date Analyzed: 04/23/21 12:04 Lab File ID: UXM36559.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	3.28	Invalid Compound ID	bosworthh	04/23/21 15:27
Vinyl acetate	4.34	Invalid Compound ID	bosworthh	04/23/21 15:27
2-Butanone	4.83	Invalid Compound ID	bosworthh	04/23/21 15:28
Isobutyl alcohol	5.48	Invalid Compound ID	bosworthh	04/23/21 15:29
n-Heptane	5.82	Invalid Compound ID	bosworthh	04/23/21 15:30
Bromomethane		Invalid Compound ID	bosworthh	04/23/21 13:27
Chloromethane		Invalid Compound ID	bosworthh	04/23/21 15:26

Lab Sample ID: STD8260 240-482539/10 I Client Sample ID:

Date Analyzed: 04/23/21 12:28 Lab File ID: UXM36560.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane		Invalid Compound ID	bosworthh	04/23/21 13:29

Lab Sample ID: STD8260 240-482539/11 I Client Sample ID:

Date Analyzed: 04/23/21 12:52 Lab File ID: UXM36561.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane		Invalid Compound ID	bosworthh	04/23/21 14:55

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 Analysis Batch Number: 482539

Lab Sample ID: STD8260 240-482539/16 I Client Sample ID:

Date Analyzed: 04/23/21 14:53 Lab File ID: UXM36566.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Hexanone		Invalid Compound ID	bosworthh	04/23/21 15:22
3-Chloro-1-propene		Invalid Compound ID	bosworthh	04/23/21 15:19
4-Methyl-2-pentanone		Invalid Compound ID	bosworthh	04/23/21 15:22
Acetone		Invalid Compound ID	bosworthh	04/23/21 15:18
Chloromethane		Invalid Compound ID	bosworthh	04/23/21 15:17
Iodomethane		Invalid Compound ID	bosworthh	04/23/21 15:19
Isobutyl alcohol		Invalid Compound ID	bosworthh	04/23/21 15:21
Methyl acetate		Invalid Compound ID	bosworthh	04/23/21 15:19
n-Heptane		Invalid Compound ID	bosworthh	04/23/21 15:21
Vinyl acetate		Invalid Compound ID	bosworthh	04/23/21 15:20

Lab Sample ID: STDA9 240-482539/25 IC Client Sample ID:

Date Analyzed: 04/23/21 18:30 Lab File ID: UXM36575.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Cyclohexanone	9.62	Invalid Compound ID	bosworthh	04/26/21 08:04
2-Nitropropane		Invalid Compound ID	bosworthh	04/26/21 08:03
Acetonitrile		Invalid Compound ID	bosworthh	04/26/21 08:02
n-Butyl acetate		Invalid Compound ID	bosworthh	04/26/21 08:03
Pentachloroethane	10.45	Invalid Compound ID	bosworthh	04/26/21 08:05

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 Analysis Batch Number: 494428

Lab Sample ID: STD8260 240-494428/16 I Client Sample ID:

Date Analyzed: 07/10/21 16:37 Lab File ID: U1922962.d GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichloroethane-d4 (Surr)		Invalid Compound ID	laveyt	07/12/21 14:43
1,4-Dioxane		Invalid Compound ID	laveyt	07/12/21 14:38
4-Bromofluorobenzene (Surr)		Invalid Compound ID	laveyt	07/12/21 14:44
Acetone		Invalid Compound ID	laveyt	07/12/21 14:36
Acrolein		Invalid Compound ID	laveyt	07/12/21 14:35
Bromomethane		Invalid Compound ID	laveyt	07/12/21 14:34
Butadiene		Invalid Compound ID	laveyt	07/12/21 14:34
Chloroethane		Invalid Compound ID	laveyt	07/12/21 14:34
Chloromethane		Invalid Compound ID	laveyt	07/12/21 14:33
Dichlorofluoromethane		Invalid Compound ID	laveyt	07/12/21 14:34
tert-Butyl alcohol		Invalid Compound ID	laveyt	07/12/21 14:37
Tetrahydrofuran		Invalid Compound ID	laveyt	07/12/21 14:37

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 Analysis Batch Number: 494648

Lab Sample ID: STDA9 240-494648/16 IC Client Sample ID:

Date Analyzed: 07/12/21 21:37 Lab File ID: U1922980.d GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1-Methylnaphthalene		Invalid Compound ID	laveyt	07/12/21 21:58
2-Methylnaphthalene		Invalid Compound ID	laveyt	07/12/21 21:57
Acetonitrile		Invalid Compound ID	laveyt	07/12/21 21:56

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 Analysis Batch Number: 496393

Lab Sample ID: MB 240-496393/8 Client Sample ID:

Date Analyzed: 07/23/21 17:12 Lab File ID: U1923147.d GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Hexanone		Invalid Compound ID	laveyt	07/23/21 17:50
Hexachlorobutadiene		Invalid Compound ID	laveyt	07/23/21 17:51

Lab Sample ID: 240-152946-33 Client Sample ID: MSA-SW49A-071521

Date Analyzed: 07/23/21 23:08 Lab File ID: U1923163.d GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Hexanone		Invalid Compound ID	laveyt	07/25/21 09:14
tert-Butyl alcohol		Invalid Compound ID	laveyt	07/25/21 09:14

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 Analysis Batch Number: 490967

Lab Sample ID: STD8260 240-490967/8 IC Client Sample ID:

Date Analyzed: 06/16/21 14:43 Lab File ID: UX996077.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,2-Trichloro-1,2,2-trichfluoro ethane		Invalid Compound ID	bosworthh	06/17/21 08:23
1,4-Dioxane		Invalid Compound ID	bosworthh	06/17/21 08:26
2-Butanone		Invalid Compound ID	bosworthh	06/17/21 08:24
Acrolein		Invalid Compound ID	bosworthh	06/17/21 08:22
Bromoform		Invalid Compound ID	bosworthh	06/17/21 08:27
Chloroethane		Invalid Compound ID	bosworthh	06/17/21 08:21
Dichlorodifluoromethane		Invalid Compound ID	bosworthh	06/17/21 08:21
Iodomethane		Invalid Compound ID	bosworthh	06/17/21 08:23
n-Heptane		Invalid Compound ID	bosworthh	06/17/21 08:26

Lab Sample ID: STD8260 240-490967/14 I Client Sample ID:

Date Analyzed: 06/16/21 17:01 Lab File ID: UX996083.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chlorobenzene-d5	8.58	Peak assignment corrected	bosworthh	06/17/21 08:16

Lab Sample ID: STDA9 240-490967/18 IC Client Sample ID:

Date Analyzed: 06/16/21 18:33 Lab File ID: UX996087.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pentachloroethane		Invalid Compound ID	bosworthh	06/17/21 08:34

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

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_00439	04/28/21	04/21/21	MEOH, Lot na	5 mL	vm50ss_stk_00087	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_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
vm50ss_00444	06/17/21	06/10/21	MEOH, Lot na	5 mL	vm50ss_stk_00087	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_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
vm50ss_00447	07/13/21	07/06/21	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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00389	04/25/21	04/18/21	MEOH, Lot na	5 mL	VMACROLSTD_00094	5 mL	Acrolein	250 ug/mL
.VMACROLSTD_00094	05/10/21	04/10/21	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_00396	06/19/21	06/12/21	MEOH, Lot na	5 mL	VMACROLSTD_00096	5 mL	Acrolein	250 ug/mL
.VMACROLSTD_00096	07/12/21	06/12/21	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_00399	07/12/21	07/06/21	MEOH, Lot na	5 mL	VMACROLSTD_00096	5 mL	Acrolein	250 ug/mL
.VMACROLSTD_00096	07/12/21	06/12/21	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_00401	07/25/21	07/18/21	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_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
vmbfb_00026							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Total BTEX	
							Trihalomethanes, Total	
							Xylenes, Total	
					vm30026_00003	1.25 mL	BFB	50 ug/mL
.vm30026_00003	08/31/23		restek, Lot A0141187		(Purchased Reagent)		BFB	2000 ug/mL
vmbfb_00027							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Total BTEX	
							Trihalomethanes, Total	
							Xylenes, Total	
					vm30026_00003	1.25 mL	BFB	50 ug/mL
.vm30026_00003	08/31/23		restek, Lot A0141187		(Purchased Reagent)		BFB	2000 ug/mL
VMFASA9W_00317	04/30/21	04/23/21	MEOH, Lot NA	5 mL	VMFASA9_00025	5 mL	Cyclohexanone	500 ug/mL
							Pentachloroethane	100 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00025	04/30/21	03/13/21	MEOH, Lot 00000258810	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_00008	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_00007	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_00008	04/30/21		Restek, Lot A0154206		(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_00007	05/31/21		restek, Lot A0148991		(Purchased Reagent)		Acetonitrile	25000 ug/mL
							Diisopropyl ether	2500 ug/mL
							Ethyl-t-butyl ether (ETBE)	2500 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl-methyl ether (TAME)	2500 ug/mL
VMFASA9W_00323	06/19/21	06/12/21	MEOH, Lot NA	5 mL	VMFASA9_00026	5 mL	Cyclohexanone	500 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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
.VMFASA9_00026	11/03/21	05/03/21	MEOH, Lot 0000273166	100 mL	VM569727S_00004	2 mL	Cyclohexanone	500 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
							n-Butyl acetate	50 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
..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
							n-Butyl acetate	2500 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
VMFASA9W_00326	07/19/21	07/12/21	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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
VMFASAW_00371	04/28/21	04/21/21	MEOH, Lot NA	5 mL	VMFASA_00069	5 mL	Acrolein	250 ug/mL
.VMFASA_00069	04/30/21	02/18/21	MEOH, Lot +230910000258810JD	100 mL	VM568720S_00037	1.25 mL	Acrolein	250 ug/mL
..VM568720S_00037	04/30/21		restek, Lot A0154553		(Purchased Reagent)		Acrolein	20000 ug/mL
VMFASAW_00377	06/16/21	06/09/21	MEOH, Lot NA	5 mL	VMFASA_00070	5 mL	Acrolein	250 ug/mL
.VMFASA_00070	09/30/21	04/21/21	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
VMFASAW_00381	07/16/21	07/09/21	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_00404	04/27/21	04/20/21	MEOH, Lot NA	5 mL	VMFASG_00105	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_00105	05/12/21	04/12/21	MEOH, Lot 0000273166	100 mL	vm569722S_00008	2 mL	Bromomethane	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00412	06/21/21	06/14/21	MEOH, Lot NA	5 mL	VMFASG_00107	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_00107	07/12/21	06/12/21	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_00415	07/12/21	07/08/21	MEOH, Lot NA	5 mL	VMFASG_00107	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_00107	07/12/21	06/12/21	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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
VMFASGW_00416	07/20/21	07/13/21	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_00417	07/28/21	07/21/21	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
VMFASPW_00395	04/26/21	04/19/21	MEOH, Lot n/a	5 mL	VMRFASP_00074	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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

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-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
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

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-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_00074	06/30/21	04/18/21	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_00008	1 mL	2-Chloroethyl vinyl ether	50 ug/mL
					VM569723S_00009	1 mL	2-Chloroethyl vinyl ether	50 ug/mL
					VM569724S_00029	1 mL	Vinyl acetate	50 ug/mL
					VM571992S_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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
					VM571992S_00007	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

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
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							Total BTEX	250 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00008	11/30/21		Restek, Lot A0143264		(Purchased Reagent)		2-Chloroethyl vinyl ether	2500 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_00005	06/30/21		Restek, Lot A0144202		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromochloromethane	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
..VM571992S_00007	06/30/21		Restek, Lot A0144202		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chlorotoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromochloromethane	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							p-Isopropyltoluene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butyl alcohol	25000 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							Total BTEX	12500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
							Trihalomethanes, Total	10000 ug/mL
							Xylenes, Total	5000 ug/mL
VMFASPW_00402	06/17/21	06/10/21	MEOH, Lot n/a	5 mL	VMRFASP_00075	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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,1,2-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
							n-Propylbenzene	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00075	06/30/21	06/10/21	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_00007	2 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							Total BTEX	250 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Trihalomethanes, Total	200 ug/mL
							Xylenes, Total	100 ug/mL
..VM569721S_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_00007	06/30/21		Restek, Lot A0144202		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

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-Trichloro-1,2,2-trichfluoroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromochloromethane	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							p-Isopropyltoluene	2500 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

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	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_00406	07/16/21	07/09/21	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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							Total BTEX	250 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Trihalomethanes, Total	200 ug/mL
							Xylenes, Total	100 ug/mL
.VMRFASP_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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

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-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
							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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							Total BTEX	250 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Trihalomethanes, Total	200 ug/mL
							Xylenes, Total	100 ug/mL
..VM569721S_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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							p-Isopropyltoluene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butyl alcohol	25000 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							Total BTEX	12500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
							Trihalomethanes, Total	10000 ug/mL
							Xylenes, Total	5000 ug/mL
VMFASPW_00407	07/25/21	07/18/21	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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

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-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
							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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
..VM569721S_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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							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
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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

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.: 240-152946-1

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.: 240-152946-1

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.: 240-152946-1

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_00388	04/30/21	04/23/21	MEOH, Lot NA	5 mL	VMRA9_00033	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
							Isooctane	50 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	1250 ug/mL
							Ethyl acetate	100 ug/mL
							Ethyl acrylate	50 ug/mL
							Methyl methacrylate	100 ug/mL
							n-Butyl acetate	50 ug/mL
							Acetonitrile	500 ug/mL
							Diisopropyl ether	50 ug/mL
							Ethyl-t-butyl ether (ETBE)	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl-methyl ether (TAME)	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.VMRA9_00033	05/31/21	02/01/21	MEOH, Lot 0000258810	50 mL	VM569727_00005	1 mL	Cyclohexanone	500 ug/mL
					vm570806_00005	2 mL	Pentachloroethane	100 ug/mL
					vm570807_00005	2 mL	1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
					VM570808_00006	1 mL	1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1-Chlorohexane	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Benzyl chloride	50 ug/mL
							Isooctane	50 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	1250 ug/mL
					VM570809_00007	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_00006	05/31/21		Restek, Lot A0154734		(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
							Isooctane	2500 ug/mL
							Methacrylonitrile	25000 ug/mL
							n-Butanol	62500 ug/mL
..VM570809_00007	06/30/21		Restek, Lot A0156071		(Purchased Reagent)		Ethyl acetate	5000 ug/mL
							Ethyl acrylate	2500 ug/mL
							Methyl methacrylate	5000 ug/mL
							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_00394	06/16/21	06/09/21	MEOH, Lot NA	5 mL	VMRA9_00034	5 mL	Cyclohexanone	500 ug/mL
							Pentachloroethane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylnaphthalene	100 ug/mL
							1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1-Chlorohexane	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Benzyl chloride	50 ug/mL
							Isooctane	50 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	1250 ug/mL
							Ethyl acetate	100 ug/mL
							Ethyl acrylate	50 ug/mL
							Methyl methacrylate	100 ug/mL
							n-Butyl acetate	50 ug/mL
							Acetonitrile	500 ug/mL
							Diisopropyl ether	50 ug/mL
							Ethyl-t-butyl ether (ETBE)	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl-methyl ether (TAME)	50 ug/mL
.VMRA9_00034	06/30/21	06/01/21	MEOH, Lot 0000258810	50 mL	VM569727_00005	1 mL	Cyclohexanone	500 ug/mL
					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
							Isooctane	50 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	1250 ug/mL
					VM570809_00007	1 mL	Ethyl acetate	100 ug/mL
							Ethyl acrylate	50 ug/mL
							Methyl methacrylate	100 ug/mL
							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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chloro-1,3-butadiene	2500 ug/mL
							2-Nitropropane	5000 ug/mL
							Benzyl chloride	2500 ug/mL
							Isooctane	2500 ug/mL
							Methacrylonitrile	25000 ug/mL
							n-Butanol	62500 ug/mL
..VM570809_00007	06/30/21		Restek, Lot A0156071		(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_00398	07/16/21	07/09/21	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
					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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

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-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_00399	07/25/21	07/18/21	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					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
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
							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
.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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					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_00382	04/30/21	04/23/21	MEOH, Lot 0000273166	10 mL	vm569722_00018	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_00018	03/31/23		Restek, Lot A0159085		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
VMRGAS_00388	06/16/21	06/09/21	MEOH, Lot 0000273166	10 mL	vm569722_00018	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_00018	03/31/23		Restek, Lot A0159085		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
vmrgas_00391	07/10/21	07/03/21	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
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
VMRGAS_00393	07/27/21	07/20/21	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_00432	04/24/21	04/17/21	MEOH, Lot NA	5 mL	VMRPRIM_00049	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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

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	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

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-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
.VMRPRIM_00049	06/01/21	03/01/21	MEOH, Lot 0000258810	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_00008	2 mL	2-Chloroethyl vinyl ether	100 ug/mL
					VM569724_00024	0.5 mL	Vinyl acetate	50 ug/mL
					VM571992_00004	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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
..VM569721_00007	09/30/22		Restek, Lot A0152956		(Purchased Reagent)		2-Butanone	12500 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
..VM569723_00008	02/28/22		restek, Lot A0146250		(Purchased Reagent)		2-Chloroethyl vinyl ether	2500 ug/mL
..VM569724_00024	07/31/21		Restek, Lot A0156559		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
..VM571992_00004	06/30/21		Restek, Lot A0143774		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromochloromethane	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							n-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							p-Isopropyltoluene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butyl alcohol	25000 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
VMRPRIMW_00432	04/24/21	04/17/21	MEOH, Lot NA	5 mL	VMRPRIM_00049	5 mL	Total BTEX	250 ug/mL
							Trihalomethanes, Total	200 ug/mL
							Xylenes, Total	100 ug/mL
.VMRPRIM_00049	06/01/21	03/01/21	MEOH, Lot 0000258810	50 mL	VM571992_00004	1 mL	Total BTEX	250 ug/mL
							Trihalomethanes, Total	200 ug/mL
							Xylenes, Total	100 ug/mL
..VM571992_00004	06/30/21	Restek, Lot A0143774			(Purchased Reagent)		Total BTEX	12500 ug/mL
							Trihalomethanes, Total	10000 ug/mL
							Xylenes, Total	5000 ug/mL
VMRPRIMW_00440	06/23/21	06/16/21	MEOH, Lot NA	5 mL	VMRPRIM_00050	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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

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-Trichloro-1,2,2-trichfluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
.VMRPRIM_00050	06/30/21	06/01/21	MEOH, Lot +232960000273166JL	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_00004	1 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00025	10/31/21		Restek, Lot A0160321		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
..VM571992_00004	06/30/21		Restek, Lot A0143774		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromochloromethane	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

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-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							n-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							p-Isopropyltoluene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butyl alcohol	25000 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
VMRPRIMW_00440	06/23/21	06/16/21	MEOH, Lot NA	5 mL	VMRPRIM_00050	5 mL	Total BTEX	250 ug/mL
							Trihalomethanes, Total	200 ug/mL
							Xylenes, Total	100 ug/mL
.VMRPRIM_00050	06/30/21	06/01/21	MEOH, Lot +232960000273166JL	50 mL	VM571992_00004	1 mL	Total BTEX	250 ug/mL
							Trihalomethanes, Total	200 ug/mL
							Xylenes, Total	100 ug/mL
..VM571992_00004	06/30/21	Restek, Lot A0143774			(Purchased Reagent)		Total BTEX	12500 ug/mL
							Trihalomethanes, Total	10000 ug/mL
							Xylenes, Total	5000 ug/mL
vmrprimw_00443	07/15/21	07/08/21	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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chloroethyl vinyl ether	100 ug/mL
							Vinyl acetate	50 ug/mL
							1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
.VMRPRIM_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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

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-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

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	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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							n-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							p-Isopropyltoluene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butyl alcohol	25000 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
VMRPRIMW_00443	07/15/21	07/08/21	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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
VMRPRIMW_00444	07/23/21	07/16/21	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-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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_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-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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							Total BTEX	250 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Trihalomethanes, Total	200 ug/mL
							Xylenes, Total	100 ug/mL
..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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..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-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromochloromethane	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

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-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_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-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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

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.: 240-152946-1

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
..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-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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

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	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

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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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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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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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

VM568720S_00037

Rec: 4/7/20
VM568720S-00037

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Catalog No. : 568720.SEC **Lot No.:** A0154553

Description : 8260 List 1/Std #5 Acrolein High

8260 List 1/Std #5 Acrolein High 19,750µg/mL, Water, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2021 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Acrolein		19,750.0 µg/mL	+/- 115.6405	µg/mL	Gravimetric
	CAS # 107-02-8.SEC	(Lot D8402600-1024)		+/- 394.5517	µg/mL	Unstressed
	Purity 97%			+/- 885.1665	µg/mL	Stressed

Solvent: Water
CAS # 7732-18-5
Purity 99%

Reagent

VM568720S_00038

Rec: 12/2/20
VMS68720S - 00038

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568720.SEC **Lot No.:** 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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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. : 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_00018

Rec: 12/2/20
VM569722-00018

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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) **CAS #** 75-69-4 **Purity** 99%	(Lot MKCJ8658)	2,501.4	µg/mL	+/- 16.0800 +/- 140.4203 +/- 143.6982	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Raw material may contain trace amounts of tert-Butanol.

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

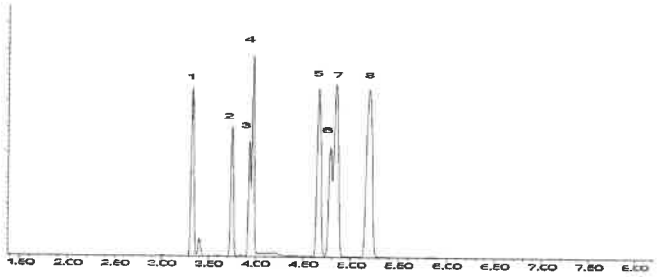
Carrier Gas:
helium-constant pressure 30 psi

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

vm569722_00019

Rec: 1/20/21
VMS69722_00019

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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)

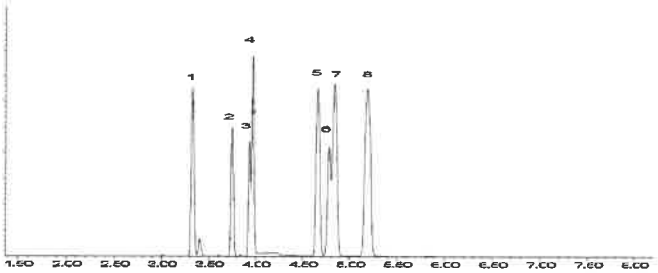
Carrier Gas:
helium-constant pressure 30 psi

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

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Rec: 7/17/20
VM569722S-00008

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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)

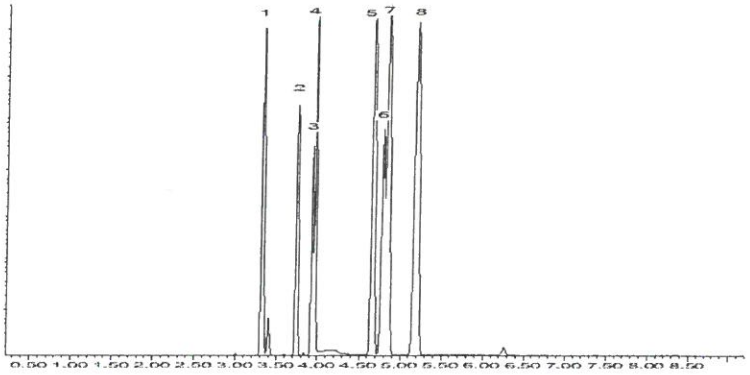
Carrier Gas:
helium-constant pressure 30 psi

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_00008

Rec: 9/9/19
VM569723-00008

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569723 **Lot No.:** A0146250

Description : 8260 List 1 / Std #4 2-CEVE (2015)

8260 List 1 / Std #4 2-CEVE (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Chloroethyl vinyl ether	2,500.0 µg/mL	+/- 14.5352	µg/mL	Gravimetric
	CAS # 110-75-8 (Lot MKBS6526V)		+/- 53.5253	µg/mL	Unstressed
	Purity 99%		+/- 55.0814	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

Reagent

VM569723_00009

Rec: 2-21-20

VM569723_00009

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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_00008

Rec: 9/9/19
VM569723s-00008

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Catalog No. : 569723.SEC **Lot No.:** A0143264

Description : 8260 List 1 / Std #4 2-CEVE (2015)

8260 List 1 / Std #4 2-CEVE (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2021 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Chloroethyl vinyl ether	2,502.8 µg/mL	+/- 14.6878	µg/mL	Gravimetric
	CAS # 110-75-8.SEC (Lot BQZ2K-QD)		+/- 53.6224	µg/mL	Unstressed
	Purity 99%		+/- 55.1792	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

Reagent

VM569723S_00009

VM569723S-00009

Rec: 2-21-20

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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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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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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.:** 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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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570806 **Lot No.:** 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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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570807 **Lot No.:** 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_00006

Rec: 6-11-20
VM570808_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. : 570808 **Lot No.:** A0154734

Description : 8260 List 2 / Std #6

8260 List 2 / Std #6 2,500-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 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 SHBH7211) **Purity** 99%	25,135.0 µg/mL	+/- 147.1710 µg/mL +/- 1,243.4963 µg/mL +/- 1,274.4109 µg/mL	Gravimetric Unstressed Stressed
2	Chloroprene (2-chloro-1,3-butadiene) **CAS #** 126-99-8 (Lot 190814JLM) **Purity** 99%	2,523.5 µg/mL	+/- 14.8093 µg/mL +/- 124.8483 µg/mL +/- 127.9520 µg/mL	Gravimetric Unstressed Stressed
3	Methacrylonitrile **CAS #** 126-98-7 (Lot 1012019) **Purity** 99%	25,164.0 µg/mL	+/- 147.3408 µg/mL +/- 1,244.9310 µg/mL +/- 1,275.8813 µg/mL	Gravimetric Unstressed Stressed
4	2,2,4-Trimethylpentane (isooctane) **CAS #** 540-84-1 (Lot SHBD2922V) **Purity** 99%	2,512.0 µg/mL	+/- 14.7418 µg/mL +/- 124.2794 µg/mL +/- 127.3689 µg/mL	Gravimetric Unstressed Stressed
5	1-Butanol **CAS #** 71-36-3 (Lot SHBK4786) **Purity** 99%	63,024.5 µg/mL	+/- 369.0033 µg/mL +/- 3,117.9899 µg/mL +/- 3,195.5065 µg/mL	Gravimetric Unstressed Stressed
6	2-Nitropropane **CAS #** 79-46-9 (Lot BCBL0537V) **Purity** 98%	5,009.8 µg/mL	+/- 29.3332 µg/mL +/- 247.8464 µg/mL +/- 254.0081 µg/mL	Gravimetric Unstressed Stressed
7	1-Chlorohexane **CAS #** 544-10-5 (Lot BCBS3368V) **Purity** 98%	2,516.6 µg/mL	+/- 14.7691 µg/mL +/- 124.5090 µg/mL +/- 127.6042 µg/mL	Gravimetric Unstressed Stressed

8	1,2,3-Trimethylbenzene **CAS #** 526-73-8 **Purity** 98%	(Lot 877605-12)	2,510.3	µg/mL	+/- 14.7317 +/- 124.1938 +/- 127.2812	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	Benzyl chloride **CAS #** 100-44-7 **Purity** 99%	(Lot SHBH2102V)	2,516.0	µg/mL	+/- 14.7653 +/- 124.4773 +/- 127.5717	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	1,3,5-Trichlorobenzene **CAS #** 108-70-3 **Purity** 99%	(Lot 11319AS)	2,523.0	µg/mL	+/- 14.8064 +/- 124.8236 +/- 127.9267	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)

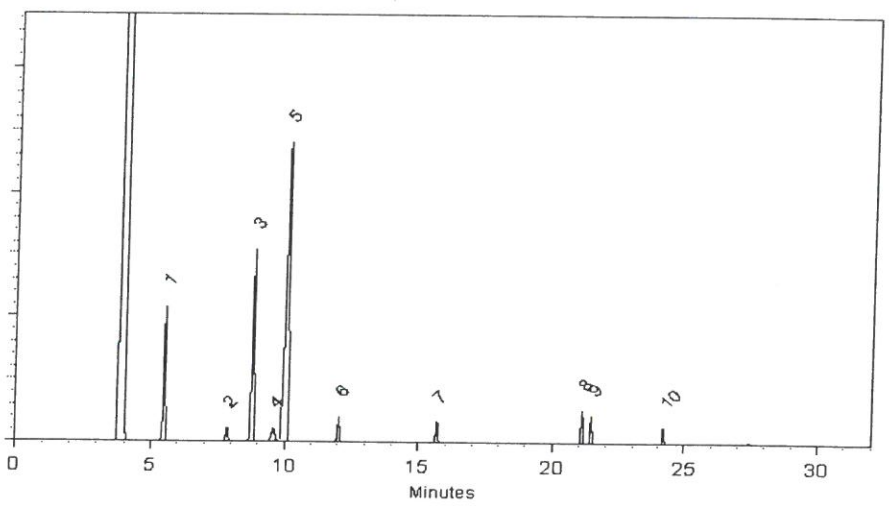
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

Tom Suckar - Mix Technician

Date Mixed: 05-Nov-2019 **Balance:** B707717271

Fang-Yun Le - QC Analyst

Date Passed: 07-Nov-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Reagent

VM570808_00007

Rec: 4/16/21
VMS70808_0007

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570808 **Lot No.:** 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)

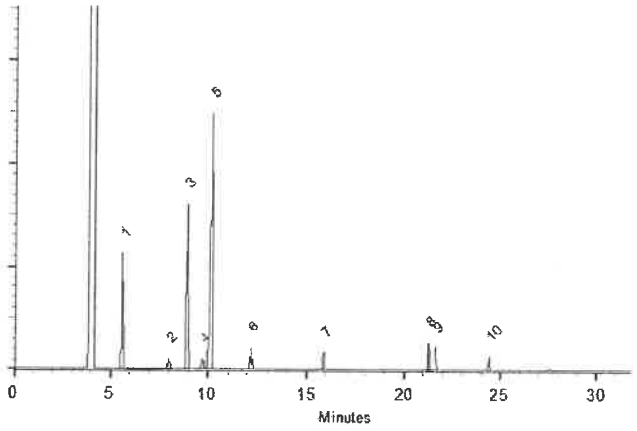
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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_00008

Rec: 5-4-20
VMS70808S_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. : 570808.SEC **Lot No.:** A0154206

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 : April 30, 2021 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2-Propanol (isopropanol) **CAS #** 67-63-0.SEC (Lot NWVYK) **Purity** 99%	25,035.5 µg/mL	+/- 146.5884 µg/mL +/- 1,238.5738 µg/mL +/- 1,269.3660 µg/mL	Gravimetric Unstressed Stressed
2	Chloroprene (2-chloro-1,3-butadiene) **CAS #** 126-99-8 * (Lot 190814JLM) **Purity** 99%	2,506.0 µg/mL	+/- 14.7066 µg/mL +/- 123.9825 µg/mL +/- 127.0647 µg/mL	Gravimetric Unstressed Stressed
3	Methacrylonitrile **CAS #** 126-98-7 * (Lot 1012019) **Purity** 99%	25,025.5 µg/mL	+/- 146.5298 µg/mL +/- 1,238.0790 µg/mL +/- 1,268.8590 µg/mL	Gravimetric Unstressed Stressed
4	2,2,4-Trimethylpentane (Isooctane) **CAS #** 540-84-1.SEC (Lot 4597900) **Purity** 99%	2,525.0 µg/mL	+/- 14.8181 µg/mL +/- 124.9226 µg/mL +/- 128.0281 µg/mL	Gravimetric Unstressed Stressed
5	1-Butanol **CAS #** 71-36-3.SEC (Lot ELBOC) **Purity** 99%	62,526.5 µg/mL	+/- 366.0875 µg/mL +/- 3,093.3525 µg/mL +/- 3,170.2566 µg/mL	Gravimetric Unstressed Stressed
6	2-Nitropropane **CAS #** 79-46-9.SEC (Lot Y4YWD) **Purity** 98%	5,006.8 µg/mL	+/- 29.3160 µg/mL +/- 247.7009 µg/mL +/- 253.8590 µg/mL	Gravimetric Unstressed Stressed
7	1-Chlorohexane **CAS #** 544-10-5.SEC (Lot 8171700) **Purity** 99%	2,501.0 µg/mL	+/- 14.6773 µg/mL +/- 123.7352 µg/mL +/- 126.8112 µg/mL	Gravimetric Unstressed Stressed

8	1,2,3-Trimethylbenzene		2,502.6	µg/mL	+/-	14.6867	µg/mL	Gravimetric
	CAS # 526-73-8.SEC	(Lot 8658900)			+/-	123.8143	µg/mL	Unstressed
	Purity 97%				+/-	126.8923	µg/mL	Stressed
9	Benzyl chloride		2,506.0	µg/mL	+/-	14.7066	µg/mL	Gravimetric
	CAS # 100-44-7.SEC	(Lot H29N03)			+/-	123.9825	µg/mL	Unstressed
	Purity 99%				+/-	127.0647	µg/mL	Stressed
10	1,3,5-Trichlorobenzene		2,518.5	µg/mL	+/-	14.7800	µg/mL	Gravimetric
	CAS # 108-70-3.SEC	(Lot I28U021)			+/-	124.6010	µg/mL	Unstressed
	Purity 99%				+/-	127.6985	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)

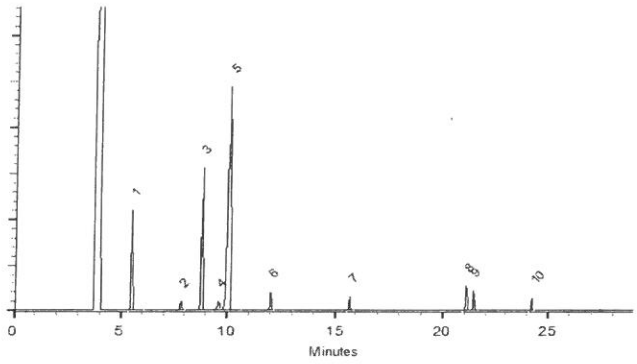
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

Lane Kibe - Mix Technician

Date Mixed: 22-Oct-2019 **Balance:** 1128342314

Justine Albertson - Operations Tech-ARM QC

Date Passed: 25-Oct-2019

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

VM570808S_00010

Rec: 3/22/21
VM570808_5-00010

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570808.SEC **Lot No.:** 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)

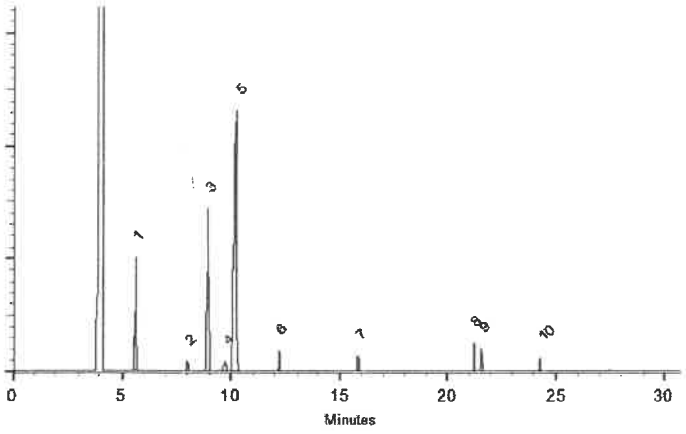
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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_00007

Rec: 4/20/20
VM570809_00007

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 570809 **Lot No.:** A0156071

Description : 8260 List 2 / Std #7

8260 List 2 / Std #7 2,500-5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2021 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Ethyl acetate **CAS #** 141-78-6 (Lot SHBL1336) **Purity** 99%	5,015.6 µg/mL	+/- 29.3674 µg/mL +/- 302.6333 µg/mL +/- 303.3517 µg/mL	Gravimetric Unstressed Stressed
2	Ethyl acrylate **CAS #** 140-88-5 (Lot 10129902) **Purity** 99%	2,508.8 µg/mL	+/- 14.7230 µg/mL +/- 151.3803 µg/mL +/- 151.7396 µg/mL	Gravimetric Unstressed Stressed
3	Methyl methacrylate **CAS #** 80-62-6 (Lot MKCG6589) **Purity** 99%	5,015.2 µg/mL	+/- 29.3651 µg/mL +/- 302.6092 µg/mL +/- 303.3275 µg/mL	Gravimetric Unstressed Stressed
4	Butyl acetate **CAS #** 123-86-4 (Lot SHBK5137) **Purity** 99%	2,512.0 µg/mL	+/- 14.7418 µg/mL +/- 151.5733 µg/mL +/- 151.9331 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

VM570809_00009

Rec'd 6/19/21 VM570809_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 **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 (Lot SHBL1336) **Purity** 99%	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 (Lot 10129902) **Purity** 99%	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 (Lot MKCK0733) **Purity** 99%	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 (Lot SHBK5137) **Purity** 99%	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 VH 5708095_ 00009

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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. : 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_00004

VMS71992-00004 Rec: 2-21-20

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571992 **Lot No.:** A0143774

Description : 8260 List 1 / Std #1 MegaMix (2017)

8260 List 1 / Std #1 MegaMix (2017) 1,250-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2021 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Diethyl ether (ethyl ether) **CAS #** 60-29-7 (Lot SHBJ5713) **Purity** 99%	2,500.6 µg/mL	+/- 14.5388 µg/mL +/- 150.8738 µg/mL +/- 151.2320 µg/mL	Gravimetric Unstressed Stressed
2	1,1,2-Trichlorotrifluoroethane (CFC-113) **CAS #** 76-13-1 (Lot 00009482) **Purity** 99%	2,501.6 µg/mL	+/- 14.5447 µg/mL +/- 150.9341 µg/mL +/- 151.2925 µg/mL	Gravimetric Unstressed Stressed
3	1,1-dichloroethene **CAS #** 75-35-4 (Lot SHBG8609V) **Purity** 99%	2,501.9 µg/mL	+/- 14.5461 µg/mL +/- 150.9492 µg/mL +/- 151.3076 µg/mL	Gravimetric Unstressed Stressed
4	tert-Butanol (TBA) **CAS #** 75-65-0 (Lot SHBJ9404) **Purity** 99%	25,008.1 µg/mL	+/- 145.3918 µg/mL +/- 1,508.8503 µg/mL +/- 1,512.4325 µg/mL	Gravimetric Unstressed Stressed
5	Methyl acetate **CAS #** 79-20-9 (Lot SHBG4345V) **Purity** 99%	5,000.8 µg/mL	+/- 29.0748 µg/mL +/- 301.7174 µg/mL +/- 302.4337 µg/mL	Gravimetric Unstressed Stressed
6	Iodomethane (methyl iodide) **CAS #** 74-88-4 (Lot SHBH4362V) **Purity** 99%	2,500.6 µg/mL	+/- 14.5388 µg/mL +/- 150.8738 µg/mL +/- 151.2320 µg/mL	Gravimetric Unstressed Stressed
7	Allyl chloride (3-chloropropene) **CAS #** 107-05-1 (Lot WXBB7852V) **Purity** 99%	2,502.0 µg/mL	+/- 14.5468 µg/mL +/- 150.9567 µg/mL +/- 151.3151 µg/mL	Gravimetric Unstressed Stressed

8	Methylene chloride (dichloromethane) **CAS #** 75-09-2 **Purity** 99%	(Lot SHBK5095)	2,500.8 µg/mL	+/- 14.5396 +/- 150.8813 +/- 151.2395	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	Carbon disulfide **CAS #** 75-15-0 **Purity** 99%	(Lot U22D706)	2,501.1 µg/mL	+/- 14.5418 +/- 150.9040 +/- 151.2622	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	Acrylonitrile **CAS #** 107-13-1 **Purity** 99%	(Lot R15D047)	25,010.4 µg/mL	+/- 145.4049 +/- 1,508.9860 +/- 1,512.5686	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	Methyl-tert-butyl ether (MTBE) **CAS #** 1634-04-4 **Purity** 99%	(Lot SHBH9526)	2,500.3 µg/mL	+/- 14.5367 +/- 150.8512 +/- 151.2093	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	cis-1,2-Dichloroethene **CAS #** 156-59-2 **Purity** 99%	(Lot MKBX5945V)	2,501.3 µg/mL	+/- 14.5425 +/- 150.9115 +/- 151.2698	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
13	n-Hexane (C6) **CAS #** 110-54-3 **Purity** 99%	(Lot SHBH8106)	2,500.8 µg/mL	+/- 14.5396 +/- 150.8813 +/- 151.2395	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
14	1,1-Dichloroethane **CAS #** 75-34-3 **Purity** 99%	(Lot 462600)	2,500.4 µg/mL	+/- 14.5374 +/- 150.8587 +/- 151.2169	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
15	2,2-Dichloropropane **CAS #** 594-20-7 **Purity** 99%	(Lot BCBT5124)	2,500.9 µg/mL	+/- 14.5403 +/- 150.8889 +/- 151.2471	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
16	trans-1,2-Dichloroethene **CAS #** 156-60-5 **Purity** 99%	(Lot MKBH9850V)	2,500.3 µg/mL	+/- 14.5367 +/- 150.8512 +/- 151.2093	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
17	Isobutanol (2-Methyl-1-propanol) **CAS #** 78-83-1 **Purity** 99%	(Lot SHBK0551)	62,500.9 µg/mL	+/- 363.3665 +/- 3,770.9529 +/- 3,779.9058	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
18	chloroform **CAS #** 67-66-3 **Purity** 99%	(Lot SHBJ9076)	2,500.5 µg/mL	+/- 14.5381 +/- 150.8662 +/- 151.2244	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
19	Bromochloromethane **CAS #** 74-97-5 **Purity** 98%	(Lot 00008541)	2,500.6 µg/mL	+/- 14.5387 +/- 150.8718 +/- 151.2300	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
20	Tetrahydrofuran **CAS #** 109-99-9 **Purity** 99%	(Lot SHBJ6179)	5,000.6 µg/mL	+/- 29.0741 +/- 301.7099 +/- 302.4262	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
21	1,1,1-trichloroethane **CAS #** 71-55-6 **Purity** 99%	(Lot B15W12061)	2,500.8 µg/mL	+/- 14.5396 +/- 150.8813 +/- 151.2395	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
22	Cyclohexane **CAS #** 110-82-7 **Purity** 99%	(Lot MKCC9660)	2,500.9 µg/mL	+/- 14.5403 +/- 150.8889 +/- 151.2471	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
23	1,1-Dichloropropene **CAS #** 563-58-6 **Purity** 99%	(Lot 180531JLM)	2,500.6 µg/mL	+/- 14.5388 +/- 150.8738 +/- 151.2320	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

24	carbon tetrachloride		2,501.1	µg/mL	+/-	14.5418	µg/mL	Gravimetric
	CAS # 56-23-5	(Lot SHBJ2110)			+/-	150.9040	µg/mL	Unstressed
	Purity 99%				+/-	151.2622	µg/mL	Stressed
25	n-Heptane (C7)		2,501.6	µg/mL	+/-	14.5447	µg/mL	Gravimetric
	CAS # 142-82-5	(Lot SHBJ2424)			+/-	150.9341	µg/mL	Unstressed
	Purity 99%				+/-	151.2925	µg/mL	Stressed
26	1,2-Dichloroethane		2,501.3	µg/mL	+/-	14.5425	µg/mL	Gravimetric
	CAS # 107-06-2	(Lot SHBJ0707)			+/-	150.9115	µg/mL	Unstressed
	Purity 99%				+/-	151.2698	µg/mL	Stressed
27	Benzene		2,500.9	µg/mL	+/-	14.5403	µg/mL	Gravimetric
	CAS # 71-43-2	(Lot SHBJ5344)			+/-	150.8889	µg/mL	Unstressed
	Purity 99%				+/-	151.2471	µg/mL	Stressed
28	Trichloroethene		2,500.5	µg/mL	+/-	14.5381	µg/mL	Gravimetric
	CAS # 79-01-6	(Lot SHBH1955V)			+/-	150.8662	µg/mL	Unstressed
	Purity 99%				+/-	151.2244	µg/mL	Stressed
29	Methylcyclohexane		2,501.6	µg/mL	+/-	14.5447	µg/mL	Gravimetric
	CAS # 108-87-2	(Lot SHBJ0457)			+/-	150.9341	µg/mL	Unstressed
	Purity 99%				+/-	151.2925	µg/mL	Stressed
30	1,2-Dichloropropane		2,500.5	µg/mL	+/-	14.5381	µg/mL	Gravimetric
	CAS # 78-87-5	(Lot BCBR0882V)			+/-	150.8662	µg/mL	Unstressed
	Purity 99%				+/-	151.2244	µg/mL	Stressed
31	1,4-Dioxane		50,001.1	µg/mL	+/-	290.6957	µg/mL	Gravimetric
	CAS # 123-91-1	(Lot SHBJ7415)			+/-	3,016.7880	µg/mL	Unstressed
	Purity 99%				+/-	3,023.9503	µg/mL	Stressed
32	Dibromomethane		2,502.0	µg/mL	+/-	14.5468	µg/mL	Gravimetric
	CAS # 74-95-3	(Lot 10201030)			+/-	150.9567	µg/mL	Unstressed
	Purity 99%				+/-	151.3151	µg/mL	Stressed
33	cis-1,3-Dichloropropene		2,501.4	µg/mL	+/-	14.5432	µg/mL	Gravimetric
	CAS # 10061-01-5	(Lot 25076)			+/-	150.9190	µg/mL	Unstressed
	Purity 99%				+/-	151.2773	µg/mL	Stressed
34	Toluene		2,500.1	µg/mL	+/-	14.5359	µg/mL	Gravimetric
	CAS # 108-88-3	(Lot SHBJ5659)			+/-	150.8436	µg/mL	Unstressed
	Purity 99%				+/-	151.2017	µg/mL	Stressed
35	Ethyl methacrylate		2,502.8	µg/mL	+/-	14.5512	µg/mL	Gravimetric
	CAS # 97-63-2	(Lot 69796APV)			+/-	151.0020	µg/mL	Unstressed
	Purity 99%				+/-	151.3605	µg/mL	Stressed
36	trans-1,3-Dichloropropene		2,500.6	µg/mL	+/-	14.5387	µg/mL	Gravimetric
	CAS # 10061-02-6	(Lot C797620)			+/-	150.8718	µg/mL	Unstressed
	Purity 98%				+/-	151.2300	µg/mL	Stressed
37	1,1,2-Trichloroethane		2,500.4	µg/mL	+/-	14.5374	µg/mL	Gravimetric
	CAS # 79-00-5	(Lot FGB01)			+/-	150.8587	µg/mL	Unstressed
	Purity 99%				+/-	151.2169	µg/mL	Stressed
38	1,3-Dichloropropane		2,500.9	µg/mL	+/-	14.5403	µg/mL	Gravimetric
	CAS # 142-28-9	(Lot BCBG2162V)			+/-	150.8889	µg/mL	Unstressed
	Purity 99%				+/-	151.2471	µg/mL	Stressed
39	Tetrachloroethene		2,501.0	µg/mL	+/-	14.5410	µg/mL	Gravimetric
	CAS # 127-18-4	(Lot SHBH9691)			+/-	150.8964	µg/mL	Unstressed
	Purity 99%				+/-	151.2547	µg/mL	Stressed

40	dibromochloromethane **CAS #** 124-48-1 **Purity** 98%	(Lot MKCC0877)	2,502.4 µg/mL	+/- 14.5493 +/- 150.9827 +/- 151.3411	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
41	1,2-Dibromoethane (EDB) **CAS #** 106-93-4 **Purity** 99%	(Lot BCBH3877V)	2,500.4 µg/mL	+/- 14.5374 +/- 150.8587 +/- 151.2169	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
42	Chlorobenzene **CAS #** 108-90-7 **Purity** 99%	(Lot SHBH4459V)	2,501.1 µg/mL	+/- 14.5418 +/- 150.9040 +/- 151.2622	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
43	m-Xylene **CAS #** 108-38-3 **Purity** 99%	(Lot SHBJ2338)	1,251.5 µg/mL	+/- 7.2763 +/- 75.5085 +/- 75.6878	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
44	p-Xylene **CAS #** 106-42-3 **Purity** 99%	(Lot SHBJ0052)	1,250.1 µg/mL	+/- 7.2683 +/- 75.4256 +/- 75.6047	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
45	Ethylbenzene **CAS #** 100-41-4 **Purity** 99%	(Lot SHBJ3183)	2,500.0 µg/mL	+/- 14.5352 +/- 150.8361 +/- 151.1942	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
46	1,1,1,2-Tetrachloroethane **CAS #** 630-20-6 **Purity** 99%	(Lot MKBS3769V)	2,500.0 µg/mL	+/- 14.5352 +/- 150.8361 +/- 151.1942	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
47	o-Xylene **CAS #** 95-47-6 **Purity** 99%	(Lot SHBH7231)	2,500.8 µg/mL	+/- 14.5396 +/- 150.8813 +/- 151.2395	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
48	Styrene **CAS #** 100-42-5 **Purity** 99%	(Lot MKCC9766)	2,500.0 µg/mL	+/- 14.5352 +/- 150.8361 +/- 151.1942	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
49	Isopropylbenzene (cumene) **CAS #** 98-82-8 **Purity** 99%	(Lot 10185056)	2,500.1 µg/mL	+/- 14.5359 +/- 150.8436 +/- 151.2017	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
50	bromoform **CAS #** 75-25-2 **Purity** 99%	(Lot SHBG3138V)	2,501.0 µg/mL	+/- 14.5410 +/- 150.8964 +/- 151.2547	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
51	bromodichloromethane **CAS #** 75-27-4 **Purity** 99%	(Lot MKCF8470)	2,501.6 µg/mL	+/- 14.5447 +/- 150.9341 +/- 151.2925	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
52	1,1,2,2-Tetrachloroethane **CAS #** 79-34-5 **Purity** 99%	(Lot CFA4D)	2,500.5 µg/mL	+/- 14.5381 +/- 150.8662 +/- 151.2244	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
53	1,2,3-Trichloropropane **CAS #** 96-18-4 **Purity** 99%	(Lot BCBH8722V)	2,501.3 µg/mL	+/- 14.5425 +/- 150.9115 +/- 151.2698	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
54	trans-1,4-dichloro-2-butene **CAS #** 110-57-6 **Purity** 94%	(Lot MKBX7788V)	2,500.0 µg/mL	+/- 14.5355 +/- 150.8389 +/- 151.1971	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
55	n-Propylbenzene **CAS #** 103-65-1 **Purity** 99%	(Lot WXBC3346V)	2,500.0 µg/mL	+/- 14.5352 +/- 150.8361 +/- 151.1942	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

56	Bromobenzene		2,500.1	µg/mL	+/-	14.5359	µg/mL	Gravimetric
	CAS # 108-86-1	(Lot WXBC5147V)			+/-	150.8436	µg/mL	Unstressed
	Purity 99%				+/-	151.2017	µg/mL	Stressed
57	1,3,5-Trimethylbenzene		2,500.5	µg/mL	+/-	14.5381	µg/mL	Gravimetric
	CAS # 108-67-8	(Lot BCBS7648V)			+/-	150.8662	µg/mL	Unstressed
	Purity 99%				+/-	151.2244	µg/mL	Stressed
58	2-Chlorotoluene		2,500.1	µg/mL	+/-	14.5359	µg/mL	Gravimetric
	CAS # 95-49-8	(Lot MKBW5554V)			+/-	150.8436	µg/mL	Unstressed
	Purity 99%				+/-	151.2017	µg/mL	Stressed
59	4-Chlorotoluene		2,500.9	µg/mL	+/-	14.5403	µg/mL	Gravimetric
	CAS # 106-43-4	(Lot MKBL7753V)			+/-	150.8889	µg/mL	Unstressed
	Purity 99%				+/-	151.2471	µg/mL	Stressed
60	tert-Butylbenzene		2,500.1	µg/mL	+/-	14.5359	µg/mL	Gravimetric
	CAS # 98-06-6	(Lot STBD6954V)			+/-	150.8436	µg/mL	Unstressed
	Purity 99%				+/-	151.2017	µg/mL	Stressed
61	1,2,4-Trimethylbenzene		2,499.9	µg/mL	+/-	14.5348	µg/mL	Gravimetric
	CAS # 95-63-6	(Lot MKBH5027V)			+/-	150.8320	µg/mL	Unstressed
	Purity 97%				+/-	151.1901	µg/mL	Stressed
62	sec-Butylbenzene		2,501.1	µg/mL	+/-	14.5418	µg/mL	Gravimetric
	CAS # 135-98-8	(Lot MKBR9260V)			+/-	150.9040	µg/mL	Unstressed
	Purity 99%				+/-	151.2622	µg/mL	Stressed
63	p-Isopropyltoluene (p-Cymene)		2,501.1	µg/mL	+/-	14.5418	µg/mL	Gravimetric
	CAS # 99-87-6	(Lot MKBV3556V)			+/-	150.9040	µg/mL	Unstressed
	Purity 99%				+/-	151.2622	µg/mL	Stressed
64	1,3-Dichlorobenzene		2,501.4	µg/mL	+/-	14.5432	µg/mL	Gravimetric
	CAS # 541-73-1	(Lot BCBQ7100V)			+/-	150.9190	µg/mL	Unstressed
	Purity 99%				+/-	151.2773	µg/mL	Stressed
65	1,4-Dichlorobenzene		2,501.5	µg/mL	+/-	14.5439	µg/mL	Gravimetric
	CAS # 106-46-7	(Lot MKBS4401V)			+/-	150.9266	µg/mL	Unstressed
	Purity 99%				+/-	151.2849	µg/mL	Stressed
66	n-Butylbenzene		2,501.0	µg/mL	+/-	14.5410	µg/mL	Gravimetric
	CAS # 104-51-8	(Lot 09804AE)			+/-	150.8964	µg/mL	Unstressed
	Purity 99%				+/-	151.2547	µg/mL	Stressed
67	1,2-Dichlorobenzene		2,502.9	µg/mL	+/-	14.5519	µg/mL	Gravimetric
	CAS # 95-50-1	(Lot SHBG3111V)			+/-	151.0095	µg/mL	Unstressed
	Purity 99%				+/-	151.3681	µg/mL	Stressed
68	1,2-Dibromo-3-chloropropane		2,502.0	µg/mL	+/-	14.5468	µg/mL	Gravimetric
	CAS # 96-12-8	(Lot FBL01)			+/-	150.9567	µg/mL	Unstressed
	Purity 99%				+/-	151.3151	µg/mL	Stressed
69	1,2,4-Trichlorobenzene		2,502.1	µg/mL	+/-	14.5476	µg/mL	Gravimetric
	CAS # 120-82-1	(Lot SHBJ9215)			+/-	150.9643	µg/mL	Unstressed
	Purity 99%				+/-	151.3227	µg/mL	Stressed
70	Hexachlorobutadiene		2,501.5	µg/mL	+/-	14.5439	µg/mL	Gravimetric
	CAS # 87-68-3	(Lot J31X013)			+/-	150.9266	µg/mL	Unstressed
	Purity 99%				+/-	151.2849	µg/mL	Stressed
71	Naphthalene		2,502.8	µg/mL	+/-	14.5512	µg/mL	Gravimetric
	CAS # 91-20-3	(Lot MKBZ8680V)			+/-	151.0020	µg/mL	Unstressed
	Purity 99%				+/-	151.3605	µg/mL	Stressed

72	1,2,3-Trichlorobenzene		2,502.5 µg/mL	+/-	14.5498	µg/mL	Gravimetric
	CAS # 87-61-6	(Lot MKBX7627V)		+/-	150.9869	µg/mL	Unstressed
	Purity 99%			+/-	151.3454	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

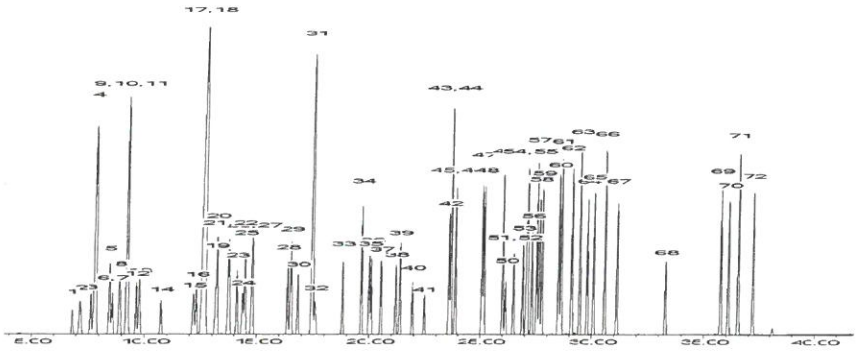
Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 6 min.) to 240°C
@ 6°C/min. (hold 10 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

F. Joseph Tallon - Mix Technician

Date Mixed: 05-Dec-2018 **Balance:** B251644995

Diane Shaffer - Operations Tech-ARM QC

Date Passed: 21-Dec-2018

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

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_00005

Rec: 5/31/19
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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.SEC **Lot No.:** A0144202

Description : 8260 List 1 / Std #1 MegaMix (2017)

8260 List 1 / Std #1 MegaMix (2017) 1,250-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2021 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Diethyl ether (ethyl ether) **CAS #** 60-29-7.SEC (Lot F23X068) **Purity** 98%	2,517.0 µg/mL	+/- 14.6339 µg/mL +/- 151.8598 µg/mL +/- 152.2203 µg/mL	Gravimetric Unstressed Stressed
2	1,1,2-Trichlorotrifluoroethane (CFC-113) **CAS #** 76-13-1.SEC (Lot 18342) **Purity** 99%	2,506.7 µg/mL	+/- 14.5740 µg/mL +/- 151.2383 µg/mL +/- 151.5974 µg/mL	Gravimetric Unstressed Stressed
3	1,1-Dichloroethene **CAS #** 75-35-4.SEC (Lot 7692300) **Purity** 99%	2,503.3 µg/mL	+/- 14.5546 µg/mL +/- 151.0372 µg/mL +/- 151.3958 µg/mL	Gravimetric Unstressed Stressed
4	tert-Butanol (TBA) **CAS #** 75-65-0.SEC (Lot XYXDO) **Purity** 98%	25,000.8 µg/mL	+/- 145.3491 µg/mL +/- 1,508.4071 µg/mL +/- 1,511.9883 µg/mL	Gravimetric Unstressed Stressed
5	Methyl acetate **CAS #** 79-20-9.SEC (Lot UCNEL) **Purity** 99%	5,002.3 µg/mL	+/- 29.0840 µg/mL +/- 301.8129 µg/mL +/- 302.5295 µg/mL	Gravimetric Unstressed Stressed
6	Iodomethane (methyl iodide) **CAS #** 74-88-4.SEC (Lot Y25A027) **Purity** 99%	2,503.5 µg/mL	+/- 14.5556 µg/mL +/- 151.0472 µg/mL +/- 151.4059 µg/mL	Gravimetric Unstressed Stressed
7	Allyl chloride (3-chloropropene) **CAS #** 107-05-1.SEC (Lot H3HGC) **Purity** 99%	2,511.7 µg/mL	+/- 14.6030 µg/mL +/- 151.5400 µg/mL +/- 151.8998 µg/mL	Gravimetric Unstressed Stressed

8	Methylene chloride (dichloromethane)		2,506.7 µg/mL	+/-	14.5740	µg/mL	Gravimetric
	CAS # 75-09-2.SEC	(Lot FGM02)		+/-	151.2383	µg/mL	Unstressed
	Purity 99%			+/-	151.5974	µg/mL	Stressed
9	Carbon disulfide		2,500.7 µg/mL	+/-	14.5391	µg/mL	Gravimetric
	CAS # 75-15-0.SEC	(Lot MKBL1376V)		+/-	150.8763	µg/mL	Unstressed
	Purity 99%			+/-	151.2345	µg/mL	Stressed
10	Acrylonitrile		25,001.2 µg/mL	+/-	145.3513	µg/mL	Gravimetric
	CAS # 107-13-1.SEC	(Lot UERIL)		+/-	1,508.4304	µg/mL	Unstressed
	Purity 99%			+/-	1,512.0117	µg/mL	Stressed
11	Methyl-tert-butyl ether (MTBE)		2,501.5 µg/mL	+/-	14.5439	µg/mL	Gravimetric
	CAS # 1634-04-4.SEC	(Lot ZHKYA)		+/-	150.9266	µg/mL	Unstressed
	Purity 99%			+/-	151.2849	µg/mL	Stressed
12	cis-1,2-Dichloroethene		2,501.3 µg/mL	+/-	14.5427	µg/mL	Gravimetric
	CAS # 156-59-2.SEC	(Lot HGC01-BLKT)		+/-	150.9137	µg/mL	Unstressed
	Purity 98%			+/-	151.2720	µg/mL	Stressed
13	n-Hexane (C6)		2,503.2 µg/mL	+/-	14.5541	µg/mL	Gravimetric
	CAS # 110-54-3.SEC	(Lot K24W001)		+/-	151.0320	µg/mL	Unstressed
	Purity 97%			+/-	151.3905	µg/mL	Stressed
14	1,1-Dichloroethane		2,502.0 µg/mL	+/-	14.5468	µg/mL	Gravimetric
	CAS # 75-34-3.SEC	(Lot 5379000)		+/-	150.9567	µg/mL	Unstressed
	Purity 99%			+/-	151.3151	µg/mL	Stressed
15	2,2-Dichloropropane		2,503.2 µg/mL	+/-	14.5541	µg/mL	Gravimetric
	CAS # 594-20-7.SEC	(Lot I7E8E)		+/-	151.0320	µg/mL	Unstressed
	Purity 98%			+/-	151.3905	µg/mL	Stressed
16	trans-1,2-Dichloroethene		2,501.0 µg/mL	+/-	14.5409	µg/mL	Gravimetric
	CAS # 156-60-5.SEC	(Lot TS5UB)		+/-	150.8954	µg/mL	Unstressed
	Purity 97%			+/-	151.2537	µg/mL	Stressed
17	Isobutanol (2-Methyl-1-propanol)		62,508.3 µg/mL	+/-	363.4098	µg/mL	Gravimetric
	CAS # 78-83-1.SEC	(Lot PH2XK)		+/-	3,771.4029	µg/mL	Unstressed
	Purity 99%			+/-	3,780.3569	µg/mL	Stressed
18	Chloroform		2,500.5 µg/mL	+/-	14.5381	µg/mL	Gravimetric
	CAS # 67-66-3.SEC	(Lot 1297547)		+/-	150.8662	µg/mL	Unstressed
	Purity 99%			+/-	151.2244	µg/mL	Stressed
19	Bromochloromethane		2,507.0 µg/mL	+/-	14.5759	µg/mL	Gravimetric
	CAS # 74-97-5.SEC	(Lot 5670200)		+/-	151.2584	µg/mL	Unstressed
	Purity 99%			+/-	151.6175	µg/mL	Stressed
20	Tetrahydrofuran		5,006.7 µg/mL	+/-	29.1092	µg/mL	Gravimetric
	CAS # 109-99-9.SEC	(Lot 8DAOJ)		+/-	302.0744	µg/mL	Unstressed
	Purity 99%			+/-	302.7916	µg/mL	Stressed
21	1,1,1-Trichloroethane		2,507.7 µg/mL	+/-	14.5798	µg/mL	Gravimetric
	CAS # 71-55-6.SEC	(Lot 7998000)		+/-	151.2986	µg/mL	Unstressed
	Purity 99%			+/-	151.6579	µg/mL	Stressed
22	Cyclohexane		2,508.0 µg/mL	+/-	14.5817	µg/mL	Gravimetric
	CAS # 110-82-7.SEC	(Lot YADRA)		+/-	151.3188	µg/mL	Unstressed
	Purity 99%			+/-	151.6780	µg/mL	Stressed
23	1,1-Dichloropropene		2,502.4 µg/mL	+/-	14.5492	µg/mL	Gravimetric
	CAS # 563-58-6.SEC	(Lot 5221100)		+/-	150.9809	µg/mL	Unstressed
	Purity 96%			+/-	151.3393	µg/mL	Stressed

24	Carbon tetrachloride		2,510.3	µg/mL	+/-	14.5953	µg/mL	Gravimetric
	CAS # 56-23-5.SEC	(Lot 11466)			+/-	151.4595	µg/mL	Unstressed
	Purity 99%				+/-	151.8191	µg/mL	Stressed
25	n-Heptane (C7)		2,511.8	µg/mL	+/-	14.6040	µg/mL	Gravimetric
	CAS # 142-82-5.SEC	(Lot TFHUC)			+/-	151.5500	µg/mL	Unstressed
	Purity 99%				+/-	151.9098	µg/mL	Stressed
26	1,2-Dichloroethane		2,501.3	µg/mL	+/-	14.5430	µg/mL	Gravimetric
	CAS # 107-06-2.SEC	(Lot FO6PK)			+/-	150.9165	µg/mL	Unstressed
	Purity 99%				+/-	151.2748	µg/mL	Stressed
27	Benzene		2,504.8	µg/mL	+/-	14.5633	µg/mL	Gravimetric
	CAS # 71-43-2.SEC	(Lot B28Y008)			+/-	151.1277	µg/mL	Unstressed
	Purity 99%				+/-	151.4865	µg/mL	Stressed
28	Trichloroethene		2,508.7	µg/mL	+/-	14.5856	µg/mL	Gravimetric
	CAS # 79-01-6.SEC	(Lot H04X050)			+/-	151.3590	µg/mL	Unstressed
	Purity 99%				+/-	151.7183	µg/mL	Stressed
29	Methylcyclohexane		2,504.5	µg/mL	+/-	14.5614	µg/mL	Gravimetric
	CAS # 108-87-2.SEC	(Lot Q02QG)			+/-	151.1076	µg/mL	Unstressed
	Purity 99%				+/-	151.4663	µg/mL	Stressed
30	1,2-Dichloropropane		2,504.0	µg/mL	+/-	14.5585	µg/mL	Gravimetric
	CAS # 78-87-5.SEC	(Lot ERRBI-RH)			+/-	151.0774	µg/mL	Unstressed
	Purity 99%				+/-	151.4361	µg/mL	Stressed
31	1,4-Dioxane		50,008.0	µg/mL	+/-	290.7356	µg/mL	Gravimetric
	CAS # 123-91-1.SEC	(Lot YVP2C)			+/-	3,017.2028	µg/mL	Unstressed
	Purity 99%				+/-	3,024.3661	µg/mL	Stressed
32	Dibromomethane		2,509.5	µg/mL	+/-	14.5904	µg/mL	Gravimetric
	CAS # 74-95-3.SEC	(Lot FGI01-OICH)			+/-	151.4093	µg/mL	Unstressed
	Purity 99%				+/-	151.7687	µg/mL	Stressed
33	cis-1,3-Dichloropropene		2,502.0	µg/mL	+/-	14.5468	µg/mL	Gravimetric
	CAS # 10061-01-5.SEC	(Lot 487OA)			+/-	150.9567	µg/mL	Unstressed
	Purity 99%				+/-	151.3151	µg/mL	Stressed
34	Toluene		2,501.5	µg/mL	+/-	14.5439	µg/mL	Gravimetric
	CAS # 108-88-3.SEC	(Lot YND2B-BD)			+/-	150.9266	µg/mL	Unstressed
	Purity 99%				+/-	151.2849	µg/mL	Stressed
35	Ethyl methacrylate		2,508.8	µg/mL	+/-	14.5866	µg/mL	Gravimetric
	CAS # 97-63-2.SEC	(Lot MLWYK-LS)			+/-	151.3690	µg/mL	Unstressed
	Purity 99%				+/-	151.7284	µg/mL	Stressed
36	trans-1,3-Dichloropropene		2,502.9	µg/mL	+/-	14.5520	µg/mL	Gravimetric
	CAS # 10061-02-6.SEC	(Lot ZDMSL)			+/-	151.0098	µg/mL	Unstressed
	Purity 96%				+/-	151.3684	µg/mL	Stressed
37	1,1,2-Trichloroethane		2,502.5	µg/mL	+/-	14.5498	µg/mL	Gravimetric
	CAS # 79-00-5.SEC	(Lot 7871500)			+/-	150.9869	µg/mL	Unstressed
	Purity 99%				+/-	151.3454	µg/mL	Stressed
38	1,3-Dichloropropane		2,502.7	µg/mL	+/-	14.5507	µg/mL	Gravimetric
	CAS # 142-28-9.SEC	(Lot AGN01-EFPC)			+/-	150.9970	µg/mL	Unstressed
	Purity 99%				+/-	151.3555	µg/mL	Stressed
39	Tetrachloroethene		2,505.0	µg/mL	+/-	14.5643	µg/mL	Gravimetric
	CAS # 127-18-4.SEC	(Lot F09W014)			+/-	151.1378	µg/mL	Unstressed
	Purity 99%				+/-	151.4966	µg/mL	Stressed

40	Dibromochloromethane		2,502.4 µg/mL	+/-	14.5494	µg/mL	Gravimetric
	CAS # 124-48-1.SEC	(Lot 10206360)		+/-	150.9832	µg/mL	Unstressed
	Purity 97%			+/-	151.3417	µg/mL	Stressed
41	1,2-Dibromoethane (EDB)		2,503.3 µg/mL	+/-	14.5546	µg/mL	Gravimetric
	CAS # 106-93-4.SEC	(Lot 3505900)		+/-	151.0372	µg/mL	Unstressed
	Purity 99%			+/-	151.3958	µg/mL	Stressed
42	Chlorobenzene		2,504.8 µg/mL	+/-	14.5633	µg/mL	Gravimetric
	CAS # 108-90-7.SEC	(Lot 1161936)		+/-	151.1277	µg/mL	Unstressed
	Purity 99%			+/-	151.4865	µg/mL	Stressed
43	m-Xylene		1,251.7 µg/mL	+/-	7.2941	µg/mL	Gravimetric
	CAS # 108-38-3.SEC	(Lot OUKMG-GB)		+/-	75.5202	µg/mL	Unstressed
	Purity 99%			+/-	75.6995	µg/mL	Stressed
44	p-Xylene		1,253.7 µg/mL	+/-	7.3058	µg/mL	Gravimetric
	CAS # 106-42-3.SEC	(Lot GM01)		+/-	75.6409	µg/mL	Unstressed
	Purity 99%			+/-	75.8205	µg/mL	Stressed
45	Ethylbenzene		2,503.5 µg/mL	+/-	14.5556	µg/mL	Gravimetric
	CAS # 100-41-4.SEC	(Lot PI4SE)		+/-	151.0472	µg/mL	Unstressed
	Purity 99%			+/-	151.4059	µg/mL	Stressed
46	1,1,1,2-Tetrachloroethane		2,506.7 µg/mL	+/-	14.5740	µg/mL	Gravimetric
	CAS # 630-20-6.SEC	(Lot GC01)		+/-	151.2383	µg/mL	Unstressed
	Purity 99%			+/-	151.5974	µg/mL	Stressed
47	o-Xylene		2,504.2 µg/mL	+/-	14.5594	µg/mL	Gravimetric
	CAS # 95-47-6.SEC	(Lot FGL01)		+/-	151.0875	µg/mL	Unstressed
	Purity 99%			+/-	151.4462	µg/mL	Stressed
48	Styrene		2,507.2 µg/mL	+/-	14.5769	µg/mL	Gravimetric
	CAS # 100-42-5.SEC	(Lot OFIOL-IA)		+/-	151.2685	µg/mL	Unstressed
	Purity 99%			+/-	151.6276	µg/mL	Stressed
49	Isopropylbenzene (cumene)		2,505.2 µg/mL	+/-	14.5653	µg/mL	Gravimetric
	CAS # 98-82-8.SEC	(Lot 2PHXG-IH)		+/-	151.1478	µg/mL	Unstressed
	Purity 99%			+/-	151.5067	µg/mL	Stressed
50	Bromoform		2,500.5 µg/mL	+/-	14.5381	µg/mL	Gravimetric
	CAS # 75-25-2.SEC	(Lot 5461400)		+/-	150.8661	µg/mL	Unstressed
	Purity 97%			+/-	151.2243	µg/mL	Stressed
51	Bromodichloromethane		2,501.3 µg/mL	+/-	14.5427	µg/mL	Gravimetric
	CAS # 75-27-4.SEC	(Lot 13780)		+/-	150.9137	µg/mL	Unstressed
	Purity 98%			+/-	151.2720	µg/mL	Stressed
52	1,1,2,2-Tetrachloroethane		2,502.0 µg/mL	+/-	14.5468	µg/mL	Gravimetric
	CAS # 79-34-5.SEC	(Lot CFA4D-AQ)		+/-	150.9567	µg/mL	Unstressed
	Purity 99%			+/-	151.3151	µg/mL	Stressed
53	1,2,3-Trichloropropane		2,505.7 µg/mL	+/-	14.5682	µg/mL	Gravimetric
	CAS # 96-18-4.SEC	(Lot GUHZN)		+/-	151.1780	µg/mL	Unstressed
	Purity 99%			+/-	151.5369	µg/mL	Stressed
54	trans-1,4-Dichloro-2-butene		2,514.2 µg/mL	+/-	14.6177	µg/mL	Gravimetric
	CAS # 110-57-6.SEC	(Lot 100700-3)		+/-	151.6922	µg/mL	Unstressed
	Purity 98%			+/-	152.0524	µg/mL	Stressed
55	n-Propylbenzene		2,503.7 µg/mL	+/-	14.5565	µg/mL	Gravimetric
	CAS # 103-65-1.SEC	(Lot T2HFC)		+/-	151.0573	µg/mL	Unstressed
	Purity 99%			+/-	151.4159	µg/mL	Stressed

56	Bromobenzene		2,506.2	µg/mL	+/-	14.5711	µg/mL	Gravimetric
	CAS # 108-86-1.SEC	(Lot 2FUHG-EM)			+/-	151.2081	µg/mL	Unstressed
	Purity 99%				+/-	151.5671	µg/mL	Stressed
57	1,3,5-Trimethylbenzene		2,510.0	µg/mL	+/-	14.5934	µg/mL	Gravimetric
	CAS # 108-67-8.SEC	(Lot FGH02-CMLN)			+/-	151.4394	µg/mL	Unstressed
	Purity 99%				+/-	151.7990	µg/mL	Stressed
58	2-Chlorotoluene		2,504.7	µg/mL	+/-	14.5623	µg/mL	Gravimetric
	CAS # 95-49-8.SEC	(Lot SW8QG-AO)			+/-	151.1176	µg/mL	Unstressed
	Purity 99%				+/-	151.4764	µg/mL	Stressed
59	4-Chlorotoluene		2,509.2	µg/mL	+/-	14.5885	µg/mL	Gravimetric
	CAS # 106-43-4.SEC	(Lot P4XHJ-AO)			+/-	151.3891	µg/mL	Unstressed
	Purity 99%				+/-	151.7486	µg/mL	Stressed
60	tert-Butylbenzene		2,505.8	µg/mL	+/-	14.5691	µg/mL	Gravimetric
	CAS # 98-06-6.SEC	(Lot D6OHC)			+/-	151.1880	µg/mL	Unstressed
	Purity 99%				+/-	151.5470	µg/mL	Stressed
61	1,2,4-Trimethylbenzene		2,508.7	µg/mL	+/-	14.5856	µg/mL	Gravimetric
	CAS # 95-63-6.SEC	(Lot JMIYD)			+/-	151.3590	µg/mL	Unstressed
	Purity 99%				+/-	151.7183	µg/mL	Stressed
62	sec-Butylbenzene		2,504.7	µg/mL	+/-	14.5623	µg/mL	Gravimetric
	CAS # 135-98-8.SEC	(Lot OGN01-IMA)			+/-	151.1176	µg/mL	Unstressed
	Purity 99%				+/-	151.4764	µg/mL	Stressed
63	4-Isopropyltoluene (p-cymene)		2,500.3	µg/mL	+/-	14.5372	µg/mL	Gravimetric
	CAS # 99-87-6.SEC	(Lot 6628200)			+/-	150.8562	µg/mL	Unstressed
	Purity 99%				+/-	151.2143	µg/mL	Stressed
64	1,3-Dichlorobenzene		2,506.3	µg/mL	+/-	14.5720	µg/mL	Gravimetric
	CAS # 541-73-1.SEC	(Lot FMDFD)			+/-	151.2182	µg/mL	Unstressed
	Purity 99%				+/-	151.5772	µg/mL	Stressed
65	1,4-Dichlorobenzene		2,509.8	µg/mL	+/-	14.5924	µg/mL	Gravimetric
	CAS # 106-46-7.SEC	(Lot 4Y5DC)			+/-	151.4294	µg/mL	Unstressed
	Purity 99%				+/-	151.7889	µg/mL	Stressed
66	n-Butylbenzene		2,513.7	µg/mL	+/-	14.6147	µg/mL	Gravimetric
	CAS # 104-51-8.SEC	(Lot MMPGA)			+/-	151.6607	µg/mL	Unstressed
	Purity 99%				+/-	152.0207	µg/mL	Stressed
67	1,2-Dichlorobenzene		2,501.8	µg/mL	+/-	14.5459	µg/mL	Gravimetric
	CAS # 95-50-1.SEC	(Lot R6QDM)			+/-	150.9467	µg/mL	Unstressed
	Purity 99%				+/-	151.3051	µg/mL	Stressed
68	1,2-Dibromo-3-chloropropane		2,508.5	µg/mL	+/-	14.5845	µg/mL	Gravimetric
	CAS # 96-12-8.SEC	(Lot LC00408V)			+/-	151.3473	µg/mL	Unstressed
	Purity 98%				+/-	151.7066	µg/mL	Stressed
69	1,2,4-Trichlorobenzene		2,503.3	µg/mL	+/-	14.5546	µg/mL	Gravimetric
	CAS # 120-82-1.SEC	(Lot 3LYYC)			+/-	151.0372	µg/mL	Unstressed
	Purity 99%				+/-	151.3958	µg/mL	Stressed
70	Hexachlorobutadiene		2,504.4	µg/mL	+/-	14.5607	µg/mL	Gravimetric
	CAS # 87-68-3.SEC	(Lot 5526800)			+/-	151.1002	µg/mL	Unstressed
	Purity 97%				+/-	151.4590	µg/mL	Stressed
71	Naphthalene		2,503.3	µg/mL	+/-	14.5546	µg/mL	Gravimetric
	CAS # 91-20-3.SEC	(Lot 4KW3H-OO)			+/-	151.0372	µg/mL	Unstressed
	Purity 99%				+/-	151.3958	µg/mL	Stressed

72	1,2,3-Trichlorobenzene		2,512.2 µg/mL	+/-	14.6063	µg/mL	Gravimetric
	CAS # 87-61-6.SEC	(Lot A0043055)		+/-	151.5740	µg/mL	Unstressed
	Purity 98%			+/-	151.9338	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

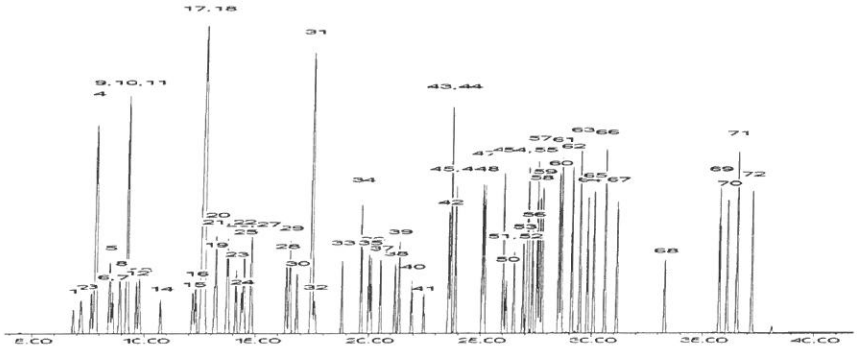
Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 6 min.) to 240°C
@ 6°C/min. (hold 10 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brandon Reish - Mix Technician

Date Mixed: 17-Dec-2018 **Balance:** 1127510105

Diane Shaffer - Operations Tech-ARM QC

Date Passed: 21-Dec-2018

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

VM571992S_00007

VM571992S-00007 Rec; 2-21-20

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Certificate of Analysis

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571992.SEC **Lot No.:** A0144202

Description : 8260 List 1 / Std #1 MegaMix (2017)

8260 List 1 / Std #1 MegaMix (2017) 1,250-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2021 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Diethyl ether (ethyl ether) **CAS #** 60-29-7.SEC (Lot F23X068) **Purity** 98%	2,517.0 µg/mL	+/- 14.6339 +/- 151.8598 +/- 152.2203	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	1,1,2-Trichlorotrifluoroethane (CFC-113) **CAS #** 76-13-1.SEC (Lot 18342) **Purity** 99%	2,506.7 µg/mL	+/- 14.5740 +/- 151.2383 +/- 151.5974	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	1,1-Dichloroethene **CAS #** 75-35-4.SEC (Lot 7692300) **Purity** 99%	2,503.3 µg/mL	+/- 14.5546 +/- 151.0372 +/- 151.3958	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	tert-Butanol (TBA) **CAS #** 75-65-0.SEC (Lot XYXDO) **Purity** 98%	25,000.8 µg/mL	+/- 145.3491 +/- 1,508.4071 +/- 1,511.9883	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
5	Methyl acetate **CAS #** 79-20-9.SEC (Lot UCNEL) **Purity** 99%	5,002.3 µg/mL	+/- 29.0840 +/- 301.8129 +/- 302.5295	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
6	Iodomethane (methyl iodide) **CAS #** 74-88-4.SEC (Lot Y25A027) **Purity** 99%	2,503.5 µg/mL	+/- 14.5556 +/- 151.0472 +/- 151.4059	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
7	Allyl chloride (3-chloropropene) **CAS #** 107-05-1.SEC (Lot H3HGC) **Purity** 99%	2,511.7 µg/mL	+/- 14.6030 +/- 151.5400 +/- 151.8998	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

8	Methylene chloride (dichloromethane)		2,506.7 µg/mL	+/-	14.5740	µg/mL	Gravimetric
	CAS # 75-09-2.SEC	(Lot FGM02)		+/-	151.2383	µg/mL	Unstressed
	Purity 99%			+/-	151.5974	µg/mL	Stressed
9	Carbon disulfide		2,500.7 µg/mL	+/-	14.5391	µg/mL	Gravimetric
	CAS # 75-15-0.SEC	(Lot MKBL1376V)		+/-	150.8763	µg/mL	Unstressed
	Purity 99%			+/-	151.2345	µg/mL	Stressed
10	Acrylonitrile		25,001.2 µg/mL	+/-	145.3513	µg/mL	Gravimetric
	CAS # 107-13-1.SEC	(Lot UERIL)		+/-	1,508.4304	µg/mL	Unstressed
	Purity 99%			+/-	1,512.0117	µg/mL	Stressed
11	Methyl-tert-butyl ether (MTBE)		2,501.5 µg/mL	+/-	14.5439	µg/mL	Gravimetric
	CAS # 1634-04-4.SEC	(Lot ZHKYA)		+/-	150.9266	µg/mL	Unstressed
	Purity 99%			+/-	151.2849	µg/mL	Stressed
12	cis-1,2-Dichloroethene		2,501.3 µg/mL	+/-	14.5427	µg/mL	Gravimetric
	CAS # 156-59-2.SEC	(Lot HGC01-BLKT)		+/-	150.9137	µg/mL	Unstressed
	Purity 98%			+/-	151.2720	µg/mL	Stressed
13	n-Hexane (C6)		2,503.2 µg/mL	+/-	14.5541	µg/mL	Gravimetric
	CAS # 110-54-3.SEC	(Lot K24W001)		+/-	151.0320	µg/mL	Unstressed
	Purity 97%			+/-	151.3905	µg/mL	Stressed
14	1,1-Dichloroethane		2,502.0 µg/mL	+/-	14.5468	µg/mL	Gravimetric
	CAS # 75-34-3.SEC	(Lot 5379000)		+/-	150.9567	µg/mL	Unstressed
	Purity 99%			+/-	151.3151	µg/mL	Stressed
15	2,2-Dichloropropane		2,503.2 µg/mL	+/-	14.5541	µg/mL	Gravimetric
	CAS # 594-20-7.SEC	(Lot I7E8E)		+/-	151.0320	µg/mL	Unstressed
	Purity 98%			+/-	151.3905	µg/mL	Stressed
16	trans-1,2-Dichloroethene		2,501.0 µg/mL	+/-	14.5409	µg/mL	Gravimetric
	CAS # 156-60-5.SEC	(Lot TS5UB)		+/-	150.8954	µg/mL	Unstressed
	Purity 97%			+/-	151.2537	µg/mL	Stressed
17	Isobutanol (2-Methyl-1-propanol)		62,508.3 µg/mL	+/-	363.4098	µg/mL	Gravimetric
	CAS # 78-83-1.SEC	(Lot PH2XK)		+/-	3,771.4029	µg/mL	Unstressed
	Purity 99%			+/-	3,780.3569	µg/mL	Stressed
18	Chloroform		2,500.5 µg/mL	+/-	14.5381	µg/mL	Gravimetric
	CAS # 67-66-3.SEC	(Lot 1297547)		+/-	150.8662	µg/mL	Unstressed
	Purity 99%			+/-	151.2244	µg/mL	Stressed
19	Bromochloromethane		2,507.0 µg/mL	+/-	14.5759	µg/mL	Gravimetric
	CAS # 74-97-5.SEC	(Lot 5670200)		+/-	151.2584	µg/mL	Unstressed
	Purity 99%			+/-	151.6175	µg/mL	Stressed
20	Tetrahydrofuran		5,006.7 µg/mL	+/-	29.1092	µg/mL	Gravimetric
	CAS # 109-99-9.SEC	(Lot 8DAOJ)		+/-	302.0744	µg/mL	Unstressed
	Purity 99%			+/-	302.7916	µg/mL	Stressed
21	1,1,1-Trichloroethane		2,507.7 µg/mL	+/-	14.5798	µg/mL	Gravimetric
	CAS # 71-55-6.SEC	(Lot 7998000)		+/-	151.2986	µg/mL	Unstressed
	Purity 99%			+/-	151.6579	µg/mL	Stressed
22	Cyclohexane		2,508.0 µg/mL	+/-	14.5817	µg/mL	Gravimetric
	CAS # 110-82-7.SEC	(Lot YADRA)		+/-	151.3188	µg/mL	Unstressed
	Purity 99%			+/-	151.6780	µg/mL	Stressed
23	1,1-Dichloropropene		2,502.4 µg/mL	+/-	14.5492	µg/mL	Gravimetric
	CAS # 563-58-6.SEC	(Lot 5221100)		+/-	150.9809	µg/mL	Unstressed
	Purity 96%			+/-	151.3393	µg/mL	Stressed

24	Carbon tetrachloride		2,510.3	µg/mL	+/-	14.5953	µg/mL	Gravimetric
	CAS # 56-23-5.SEC	(Lot 11466)			+/-	151.4595	µg/mL	Unstressed
	Purity 99%				+/-	151.8191	µg/mL	Stressed
25	n-Heptane (C7)		2,511.8	µg/mL	+/-	14.6040	µg/mL	Gravimetric
	CAS # 142-82-5.SEC	(Lot TFHUC)			+/-	151.5500	µg/mL	Unstressed
	Purity 99%				+/-	151.9098	µg/mL	Stressed
26	1,2-Dichloroethane		2,501.3	µg/mL	+/-	14.5430	µg/mL	Gravimetric
	CAS # 107-06-2.SEC	(Lot FO6PK)			+/-	150.9165	µg/mL	Unstressed
	Purity 99%				+/-	151.2748	µg/mL	Stressed
27	Benzene		2,504.8	µg/mL	+/-	14.5633	µg/mL	Gravimetric
	CAS # 71-43-2.SEC	(Lot B28Y008)			+/-	151.1277	µg/mL	Unstressed
	Purity 99%				+/-	151.4865	µg/mL	Stressed
28	Trichloroethene		2,508.7	µg/mL	+/-	14.5856	µg/mL	Gravimetric
	CAS # 79-01-6.SEC	(Lot H04X050)			+/-	151.3590	µg/mL	Unstressed
	Purity 99%				+/-	151.7183	µg/mL	Stressed
29	Methylcyclohexane		2,504.5	µg/mL	+/-	14.5614	µg/mL	Gravimetric
	CAS # 108-87-2.SEC	(Lot Q02QG)			+/-	151.1076	µg/mL	Unstressed
	Purity 99%				+/-	151.4663	µg/mL	Stressed
30	1,2-Dichloropropane		2,504.0	µg/mL	+/-	14.5585	µg/mL	Gravimetric
	CAS # 78-87-5.SEC	(Lot ERRBI-RH)			+/-	151.0774	µg/mL	Unstressed
	Purity 99%				+/-	151.4361	µg/mL	Stressed
31	1,4-Dioxane		50,008.0	µg/mL	+/-	290.7356	µg/mL	Gravimetric
	CAS # 123-91-1.SEC	(Lot YVP2C)			+/-	3,017.2028	µg/mL	Unstressed
	Purity 99%				+/-	3,024.3661	µg/mL	Stressed
32	Dibromomethane		2,509.5	µg/mL	+/-	14.5904	µg/mL	Gravimetric
	CAS # 74-95-3.SEC	(Lot FGI01-OICH)			+/-	151.4093	µg/mL	Unstressed
	Purity 99%				+/-	151.7687	µg/mL	Stressed
33	cis-1,3-Dichloropropene		2,502.0	µg/mL	+/-	14.5468	µg/mL	Gravimetric
	CAS # 10061-01-5.SEC	(Lot 487OA)			+/-	150.9567	µg/mL	Unstressed
	Purity 99%				+/-	151.3151	µg/mL	Stressed
34	Toluene		2,501.5	µg/mL	+/-	14.5439	µg/mL	Gravimetric
	CAS # 108-88-3.SEC	(Lot YND2B-BD)			+/-	150.9266	µg/mL	Unstressed
	Purity 99%				+/-	151.2849	µg/mL	Stressed
35	Ethyl methacrylate		2,508.8	µg/mL	+/-	14.5866	µg/mL	Gravimetric
	CAS # 97-63-2.SEC	(Lot MLWYK-LS)			+/-	151.3690	µg/mL	Unstressed
	Purity 99%				+/-	151.7284	µg/mL	Stressed
36	trans-1,3-Dichloropropene		2,502.9	µg/mL	+/-	14.5520	µg/mL	Gravimetric
	CAS # 10061-02-6.SEC	(Lot ZDMSL)			+/-	151.0098	µg/mL	Unstressed
	Purity 96%				+/-	151.3684	µg/mL	Stressed
37	1,1,2-Trichloroethane		2,502.5	µg/mL	+/-	14.5498	µg/mL	Gravimetric
	CAS # 79-00-5.SEC	(Lot 7871500)			+/-	150.9869	µg/mL	Unstressed
	Purity 99%				+/-	151.3454	µg/mL	Stressed
38	1,3-Dichloropropane		2,502.7	µg/mL	+/-	14.5507	µg/mL	Gravimetric
	CAS # 142-28-9.SEC	(Lot AGN01-EFPC)			+/-	150.9970	µg/mL	Unstressed
	Purity 99%				+/-	151.3555	µg/mL	Stressed
39	Tetrachloroethene		2,505.0	µg/mL	+/-	14.5643	µg/mL	Gravimetric
	CAS # 127-18-4.SEC	(Lot F09W014)			+/-	151.1378	µg/mL	Unstressed
	Purity 99%				+/-	151.4966	µg/mL	Stressed

40	Dibromochloromethane **CAS #** 124-48-1.SEC **Purity** 97%	(Lot 10206360)	2,502.4 µg/mL	+/- 14.5494 +/- 150.9832 +/- 151.3417	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
41	1,2-Dibromoethane (EDB) **CAS #** 106-93-4.SEC **Purity** 99%	(Lot 3505900)	2,503.3 µg/mL	+/- 14.5546 +/- 151.0372 +/- 151.3958	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
42	Chlorobenzene **CAS #** 108-90-7.SEC **Purity** 99%	(Lot 1161936)	2,504.8 µg/mL	+/- 14.5633 +/- 151.1277 +/- 151.4865	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
43	m-Xylene **CAS #** 108-38-3.SEC **Purity** 99%	(Lot OUKMG-GB)	1,251.7 µg/mL	+/- 7.2941 +/- 75.5202 +/- 75.6995	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
44	p-Xylene **CAS #** 106-42-3.SEC **Purity** 99%	(Lot GM01)	1,253.7 µg/mL	+/- 7.3058 +/- 75.6409 +/- 75.8205	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
45	Ethylbenzene **CAS #** 100-41-4.SEC **Purity** 99%	(Lot PI4SE)	2,503.5 µg/mL	+/- 14.5556 +/- 151.0472 +/- 151.4059	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
46	1,1,1,2-Tetrachloroethane **CAS #** 630-20-6.SEC **Purity** 99%	(Lot GC01)	2,506.7 µg/mL	+/- 14.5740 +/- 151.2383 +/- 151.5974	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
47	o-Xylene **CAS #** 95-47-6.SEC **Purity** 99%	(Lot FGL01)	2,504.2 µg/mL	+/- 14.5594 +/- 151.0875 +/- 151.4462	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
48	Styrene **CAS #** 100-42-5.SEC **Purity** 99%	(Lot OFIOL-IA)	2,507.2 µg/mL	+/- 14.5769 +/- 151.2685 +/- 151.6276	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
49	Isopropylbenzene (cumene) **CAS #** 98-82-8.SEC **Purity** 99%	(Lot 2PHXG-IH)	2,505.2 µg/mL	+/- 14.5653 +/- 151.1478 +/- 151.5067	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
50	Bromoform **CAS #** 75-25-2.SEC **Purity** 97%	(Lot 5461400)	2,500.5 µg/mL	+/- 14.5381 +/- 150.8661 +/- 151.2243	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
51	Bromodichloromethane **CAS #** 75-27-4.SEC **Purity** 98%	(Lot 13780)	2,501.3 µg/mL	+/- 14.5427 +/- 150.9137 +/- 151.2720	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
52	1,1,2,2-Tetrachloroethane **CAS #** 79-34-5.SEC **Purity** 99%	(Lot CFA4D-AQ)	2,502.0 µg/mL	+/- 14.5468 +/- 150.9567 +/- 151.3151	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
53	1,2,3-Trichloropropane **CAS #** 96-18-4.SEC **Purity** 99%	(Lot GUHZN)	2,505.7 µg/mL	+/- 14.5682 +/- 151.1780 +/- 151.5369	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
54	trans-1,4-Dichloro-2-butene **CAS #** 110-57-6.SEC **Purity** 98%	(Lot 100700-3)	2,514.2 µg/mL	+/- 14.6177 +/- 151.6922 +/- 152.0524	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
55	n-Propylbenzene **CAS #** 103-65-1.SEC **Purity** 99%	(Lot T2HFC)	2,503.7 µg/mL	+/- 14.5565 +/- 151.0573 +/- 151.4159	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

56	Bromobenzene		2,506.2	µg/mL	+/-	14.5711	µg/mL	Gravimetric
	CAS # 108-86-1.SEC	(Lot 2FUHG-EM)			+/-	151.2081	µg/mL	Unstressed
	Purity 99%				+/-	151.5671	µg/mL	Stressed
57	1,3,5-Trimethylbenzene		2,510.0	µg/mL	+/-	14.5934	µg/mL	Gravimetric
	CAS # 108-67-8.SEC	(Lot FGH02-CMLN)			+/-	151.4394	µg/mL	Unstressed
	Purity 99%				+/-	151.7990	µg/mL	Stressed
58	2-Chlorotoluene		2,504.7	µg/mL	+/-	14.5623	µg/mL	Gravimetric
	CAS # 95-49-8.SEC	(Lot SW8QG-AO)			+/-	151.1176	µg/mL	Unstressed
	Purity 99%				+/-	151.4764	µg/mL	Stressed
59	4-Chlorotoluene		2,509.2	µg/mL	+/-	14.5885	µg/mL	Gravimetric
	CAS # 106-43-4.SEC	(Lot P4XHJ-AO)			+/-	151.3891	µg/mL	Unstressed
	Purity 99%				+/-	151.7486	µg/mL	Stressed
60	tert-Butylbenzene		2,505.8	µg/mL	+/-	14.5691	µg/mL	Gravimetric
	CAS # 98-06-6.SEC	(Lot D6OHC)			+/-	151.1880	µg/mL	Unstressed
	Purity 99%				+/-	151.5470	µg/mL	Stressed
61	1,2,4-Trimethylbenzene		2,508.7	µg/mL	+/-	14.5856	µg/mL	Gravimetric
	CAS # 95-63-6.SEC	(Lot JMIYD)			+/-	151.3590	µg/mL	Unstressed
	Purity 99%				+/-	151.7183	µg/mL	Stressed
62	sec-Butylbenzene		2,504.7	µg/mL	+/-	14.5623	µg/mL	Gravimetric
	CAS # 135-98-8.SEC	(Lot OGN01-IMA)			+/-	151.1176	µg/mL	Unstressed
	Purity 99%				+/-	151.4764	µg/mL	Stressed
63	4-Isopropyltoluene (p-cymene)		2,500.3	µg/mL	+/-	14.5372	µg/mL	Gravimetric
	CAS # 99-87-6.SEC	(Lot 6628200)			+/-	150.8562	µg/mL	Unstressed
	Purity 99%				+/-	151.2143	µg/mL	Stressed
64	1,3-Dichlorobenzene		2,506.3	µg/mL	+/-	14.5720	µg/mL	Gravimetric
	CAS # 541-73-1.SEC	(Lot FMDFD)			+/-	151.2182	µg/mL	Unstressed
	Purity 99%				+/-	151.5772	µg/mL	Stressed
65	1,4-Dichlorobenzene		2,509.8	µg/mL	+/-	14.5924	µg/mL	Gravimetric
	CAS # 106-46-7.SEC	(Lot 4Y5DC)			+/-	151.4294	µg/mL	Unstressed
	Purity 99%				+/-	151.7889	µg/mL	Stressed
66	n-Butylbenzene		2,513.7	µg/mL	+/-	14.6147	µg/mL	Gravimetric
	CAS # 104-51-8.SEC	(Lot MMPGA)			+/-	151.6607	µg/mL	Unstressed
	Purity 99%				+/-	152.0207	µg/mL	Stressed
67	1,2-Dichlorobenzene		2,501.8	µg/mL	+/-	14.5459	µg/mL	Gravimetric
	CAS # 95-50-1.SEC	(Lot R6QDM)			+/-	150.9467	µg/mL	Unstressed
	Purity 99%				+/-	151.3051	µg/mL	Stressed
68	1,2-Dibromo-3-chloropropane		2,508.5	µg/mL	+/-	14.5845	µg/mL	Gravimetric
	CAS # 96-12-8.SEC	(Lot LC00408V)			+/-	151.3473	µg/mL	Unstressed
	Purity 98%				+/-	151.7066	µg/mL	Stressed
69	1,2,4-Trichlorobenzene		2,503.3	µg/mL	+/-	14.5546	µg/mL	Gravimetric
	CAS # 120-82-1.SEC	(Lot 3LYYC)			+/-	151.0372	µg/mL	Unstressed
	Purity 99%				+/-	151.3958	µg/mL	Stressed
70	Hexachlorobutadiene		2,504.4	µg/mL	+/-	14.5607	µg/mL	Gravimetric
	CAS # 87-68-3.SEC	(Lot 5526800)			+/-	151.1002	µg/mL	Unstressed
	Purity 97%				+/-	151.4590	µg/mL	Stressed
71	Naphthalene		2,503.3	µg/mL	+/-	14.5546	µg/mL	Gravimetric
	CAS # 91-20-3.SEC	(Lot 4KW3H-OO)			+/-	151.0372	µg/mL	Unstressed
	Purity 99%				+/-	151.3958	µg/mL	Stressed

72	1,2,3-Trichlorobenzene		2,512.2	µg/mL	+/-	14.6063	µg/mL	Gravimetric
	CAS # 87-61-6.SEC	(Lot A0043055)			+/-	151.5740	µg/mL	Unstressed
	Purity 98%				+/-	151.9338	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

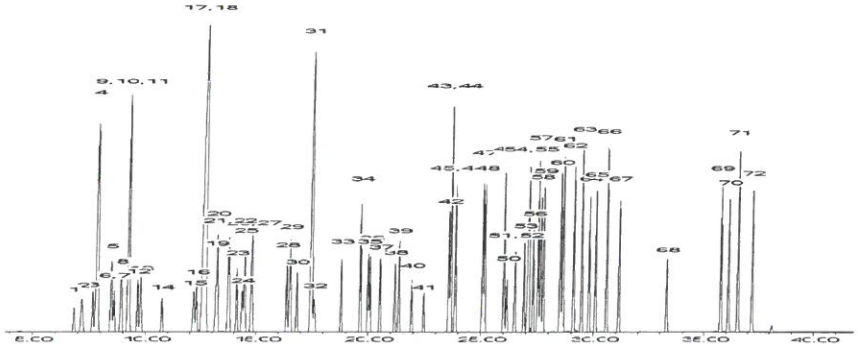
Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 6 min.) to 240°C
@ 6°C/min. (hold 10 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brandon Reish - Mix Technician

Date Mixed: 17-Dec-2018 **Balance:** 1127510105

Diane Shaffer - Operations Tech-ARM QC

Date Passed: 21-Dec-2018

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Reagent

VM571992S_00008

Rec'd 6/10/21 VM571992S 00058

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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.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% CL, 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_00007

Rec: 5-21-20
VM571993S-00007

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571993.SEC **Lot No.:** A0148991

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 : May 31, 2021 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Acetonitrile **CAS #** 75-05-8.SEC (Lot 7KGDA) **Purity** 99%	25,013.5 µg/mL	+/- 146.4595 µg/mL +/- 1,237.4854 µg/mL +/- 1,268.2506 µg/mL	Gravimetric Unstressed Stressed
2	Diisopropyl ether (DIPE) **CAS #** 108-20-3.SEC (Lot LL7TN-SH) **Purity** 99%	2,514.0 µg/mL	+/- 14.7536 µg/mL +/- 124.3783 µg/mL +/- 127.4703 µg/mL	Gravimetric Unstressed Stressed
3	Ethyl-tert-butyl ether (ETBE) **CAS #** 637-92-3.SEC (Lot MHBJG-QK) **Purity** 99%	2,511.5 µg/mL	+/- 14.7389 µg/mL +/- 124.2547 µg/mL +/- 127.3436 µg/mL	Gravimetric Unstressed Stressed
4	Propionitrile **CAS #** 107-12-0.SEC (Lot PS48O) **Purity** 99%	25,013.0 µg/mL	+/- 146.4566 µg/mL +/- 1,237.4606 µg/mL +/- 1,268.2252 µg/mL	Gravimetric Unstressed Stressed
5	tert-Amyl alcohol **CAS #** 75-85-4.SEC (Lot ZL6RD) **Purity** 99%	25,020.0 µg/mL	+/- 146.4976 µg/mL +/- 1,237.8069 µg/mL +/- 1,268.5801 µg/mL	Gravimetric Unstressed Stressed
6	tert-Amyl methyl ether (TAME) **CAS #** 994-05-8.SEC (Lot 8471400) **Purity** 99%	2,510.5 µg/mL	+/- 14.7330 µg/mL +/- 124.2052 µg/mL +/- 127.2929 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.: 240-152946-1

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-071521	240-152946-1	100	103	99	99
MSA-SW37B-071521	240-152946-2	100	101	100	103
MSA-SW37C-071521	240-152946-3	98	104	99	100
MSA-SW37D-071521	240-152946-4	95	102	99	101
MSA-SW38A-071521	240-152946-5	94	98	96	97
MSA-SW38B-071521	240-152946-6	100	100	101	103
MSA-SW38C-071521	240-152946-7	96	95	99	100
MSA-SW38D-071521	240-152946-8	98	93	99	99
MSA-SW40A-071521	240-152946-9	99	96	101	103
MSA-SW40B-071521	240-152946-10	98	97	100	101
MSA-SW40C-071521	240-152946-11	96	99	97	101
MSA-SW40D-071521	240-152946-12	98	96	97	99
MSA-SW41A-071521	240-152946-13	97	95	101	100
MSA-SW41B-071521	240-152946-14	98	96	99	101
MSA-SW41C-071521	240-152946-15	100	96	102	103
MSA-SW41D-071521	240-152946-16	107	103	107	109
MSA-SW42A-071521	240-152946-17	101	94	102	105
MSA-SW42B-071521	240-152946-18	110	110	94	101
MSA-SW42C-071521	240-152946-19	98	89	106	104
MSA-SW42D-071521	240-152946-20	108	108	95	99
MSA-SW43A-071521	240-152946-21	110	107	93	99
MSA-SW43B-071521	240-152946-22	109	103	93	101
MSA-SW43C-071521	240-152946-23	91	94	100	104
MSA-SW43D-071521	240-152946-24	93	93	101	104
MSA-SW44A-071521	240-152946-25	95	98	104	110
MSA-SW44B-071521	240-152946-26	92	95	104	107
MSA-SW44C-071521	240-152946-27	91	97	103	107
MSA-SW44D-071521	240-152946-28	94	95	101	103
TB-071521	240-152946-29	94	95	102	105
MSA-SW46A-071521	240-152946-30	92	96	103	104
MSA-SW47A-071521	240-152946-31	92	95	102	105
MSA-SW48A-071521	240-152946-32	93	96	102	105
MSA-SW49A-071521	240-152946-33	93	96	101	103
	MB 240-495770/8	101	106	103	100
	MB 240-495975/8	98	98	97	98

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	78-129
DCA = 1,2-Dichloroethane-d4 (Surr)	75-130
TOL = Toluene-d8 (Surr)	69-122
BFB = 4-Bromofluorobenzene (Surr)	47-134

Column to be used to flag recovery values

FORM II 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

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 240-496159/8	100	99	104	104
	MB 240-496393/8	93	97	104	108
	MB 240-496537/8	113	107	93	100
	LCS 240-495770/5	105	107	102	106
	LCS 240-495975/5	104	97	101	106
	LCS 240-496159/5	98	90	97	103
	LCS 240-496393/5	92	91	102	110
	LCS 240-496537/5	101	103	97	100
	LCSD 240-496159/9	102	99	104	109
	240-152672-C-3 MS	102	99	103	107
	240-152987-E-2 MS	103	98	101	107
	240-152974-C-2 MS	93	91	102	105
	240-153306-B-2 MS	109	103	92	100
	240-152672-C-3 MSD	102	98	103	106
	240-152987-E-2 MSD	99	94	96	101
	240-152974-C-2 MSD	95	94	103	109
	240-153306-B-2 MSD	100	101	95	101

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	78-129
DCA = 1,2-Dichloroethane-d4 (Surr)	75-130
TOL = Toluene-d8 (Surr)	69-122
BFB = 4-Bromofluorobenzene (Surr)	47-134

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UX997000.D

Lab ID: LCS 240-495770/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	40.0	32.8	82	33-155	
Benzene	20.0	21.7	109	77-123	
Bromobenzene	20.0	19.8	99	77-120	
Bromochloromethane	20.0	22.0	110	70-128	
Bromodichloromethane	20.0	22.1	111	73-122	
Bromoform	20.0	18.3	92	47-133	
Bromomethane	20.0	20.3	102	48-144	
2-Butanone	40.0	38.3	96	41-151	
Carbon disulfide	20.0	19.2	96	67-127	
Carbon tetrachloride	20.0	23.0	115	61-142	
Chlorobenzene	20.0	20.8	104	80-120	
Chloroethane	20.0	20.9	104	41-147	
2-Chloroethyl vinyl ether	20.0	22.4	112	29-146	
Chloroform	20.0	22.2	111	74-127	
Chloromethane	20.0	20.7	104	46-148	
2-Chlorotoluene	20.0	20.6	103	73-126	
4-Chlorotoluene	20.0	20.6	103	73-126	
cis-1,2-Dichloroethene	20.0	21.1	106	75-124	
cis-1,3-Dichloropropene	20.0	23.1	115	68-128	
Dibromochloromethane	20.0	19.7	98	75-120	
1,2-Dibromo-3-Chloropropane	20.0	15.8	79	34-136	
1,2-Dibromoethane	20.0	20.1	100	73-120	
Dibromomethane	20.0	22.5	113	67-121	
1,2-Dichlorobenzene	20.0	19.7	99	74-120	
1,3-Dichlorobenzene	20.0	19.8	99	74-120	
1,4-Dichlorobenzene	20.0	20.2	101	75-120	
Dichlorodifluoromethane	20.0	26.5	132	35-137	
1,1-Dichloroethane	20.0	20.8	104	74-126	
1,2-Dichloroethane	20.0	23.4	117	66-129	
1,1-Dichloroethene	20.0	21.9	109	73-129	
1,2-Dichloropropane	20.0	22.6	113	79-127	
1,3-Dichloropropane	20.0	20.8	104	74-122	
2,2-Dichloropropane	20.0	21.9	109	67-137	
1,1-Dichloropropene	20.0	22.6	113	78-120	
Ethylbenzene	20.0	20.7	104	80-120	
Hexachlorobutadiene	20.0	17.2	86	40-120	
2-Hexanone	40.0	39.7	99	43-142	
Isopropylbenzene	20.0	20.4	102	73-123	
Methylene Chloride	20.0	20.4	102	63-134	
4-Methyl-2-pentanone	40.0	43.5	109	43-145	
Methyl tert-butyl ether	20.0	21.0	105	57-127	
m-Xylene & p-Xylene	20.0	20.7	104	79-121	

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UX997000.D

Lab ID: LCS 240-495770/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	20.0	17.7	88	28-130	
n-Butylbenzene	20.0	20.0	100	54-129	
n-Propylbenzene	20.0	20.5	103	67-130	
o-Xylene	20.0	20.4	102	75-123	
p-Isopropyltoluene	20.0	20.6	103	66-127	
sec-Butylbenzene	20.0	20.1	101	60-131	
Styrene	20.0	22.1	110	75-121	
tert-Butyl alcohol	200	196	98	15-169	
tert-Butylbenzene	20.0	21.4	107	63-126	
1,1,1,2-Tetrachloroethane	20.0	20.4	102	77-120	
1,1,2,2-Tetrachloroethane	20.0	20.1	100	45-151	
Tetrachloroethene	20.0	20.4	102	70-125	
Toluene	20.0	21.1	106	79-122	
trans-1,2-Dichloroethene	20.0	21.2	106	74-130	
trans-1,3-Dichloropropene	20.0	21.6	108	64-120	
1,2,3-Trichlorobenzene	20.0	18.1	91	42-126	
1,2,4-Trichlorobenzene	20.0	18.9	95	47-120	
1,1,1-Trichloroethane	20.0	22.6	113	65-141	
Trichloroethene	20.0	22.7	114	71-121	
Trichlorofluoromethane	20.0	24.1	120	52-148	
1,2,3-Trichloropropane	20.0	19.8	99	57-137	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	20.4	102	54-148	
1,2,4-Trimethylbenzene	20.0	20.5	103	66-129	
Vinyl acetate	20.0	18.2	91	44-160	
Vinyl chloride	20.0	23.3	117	61-134	
Xylenes, Total	40.0	41.1	103	78-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UX997033.D

Lab ID: LCS 240-495975/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	40.0	32.8	82	33-155	
Benzene	20.0	22.0	110	77-123	
Bromobenzene	20.0	20.4	102	77-120	
Bromochloromethane	20.0	20.7	103	70-128	
Bromodichloromethane	20.0	22.0	110	73-122	
Bromoform	20.0	18.0	90	47-133	
Bromomethane	20.0	20.0	100	48-144	
2-Butanone	40.0	38.3	96	41-151	
Carbon disulfide	20.0	19.5	97	67-127	
Carbon tetrachloride	20.0	23.9	120	61-142	
Chlorobenzene	20.0	20.9	105	80-120	
Chloroethane	20.0	20.3	102	41-147	
2-Chloroethyl vinyl ether	20.0	21.4	107	29-146	
Chloroform	20.0	22.5	112	74-127	
Chloromethane	20.0	19.2	96	46-148	
2-Chlorotoluene	20.0	20.5	102	73-126	
4-Chlorotoluene	20.0	20.7	104	73-126	
cis-1,2-Dichloroethene	20.0	21.8	109	75-124	
cis-1,3-Dichloropropene	20.0	22.7	113	68-128	
Dibromochloromethane	20.0	20.0	100	75-120	
1,2-Dibromo-3-Chloropropane	20.0	16.0	80	34-136	
1,2-Dibromoethane	20.0	20.5	103	73-120	
Dibromomethane	20.0	22.7	114	67-121	
1,2-Dichlorobenzene	20.0	20.0	100	74-120	
1,3-Dichlorobenzene	20.0	19.7	98	74-120	
1,4-Dichlorobenzene	20.0	20.4	102	75-120	
Dichlorodifluoromethane	20.0	27.8	139	35-137	*+
1,1-Dichloroethane	20.0	20.7	103	74-126	
1,2-Dichloroethane	20.0	23.3	116	66-129	
1,1-Dichloroethene	20.0	21.9	110	73-129	
1,2-Dichloropropane	20.0	21.8	109	79-127	
1,3-Dichloropropane	20.0	20.6	103	74-122	
2,2-Dichloropropane	20.0	22.2	111	67-137	
1,1-Dichloropropene	20.0	22.5	112	78-120	
Ethylbenzene	20.0	20.5	103	80-120	
Hexachlorobutadiene	20.0	17.8	89	40-120	
2-Hexanone	40.0	36.9	92	43-142	
Isopropylbenzene	20.0	20.5	103	73-123	
Methylene Chloride	20.0	19.6	98	63-134	
4-Methyl-2-pentanone	40.0	40.2	101	43-145	
Methyl tert-butyl ether	20.0	21.3	106	57-127	
m-Xylene & p-Xylene	20.0	20.3	102	79-121	

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UX997033.D

Lab ID: LCS 240-495975/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	20.0	17.3	86	28-130	
n-Butylbenzene	20.0	19.9	100	54-129	
n-Propylbenzene	20.0	20.5	102	67-130	
o-Xylene	20.0	20.5	103	75-123	
p-Isopropyltoluene	20.0	20.3	102	66-127	
sec-Butylbenzene	20.0	20.7	103	60-131	
Styrene	20.0	22.1	110	75-121	
tert-Butyl alcohol	200	191	95	15-169	
tert-Butylbenzene	20.0	21.3	107	63-126	
1,1,1,2-Tetrachloroethane	20.0	20.2	101	77-120	
1,1,2,2-Tetrachloroethane	20.0	19.2	96	45-151	
Tetrachloroethene	20.0	20.7	104	70-125	
Toluene	20.0	20.8	104	79-122	
trans-1,2-Dichloroethene	20.0	21.4	107	74-130	
trans-1,3-Dichloropropene	20.0	20.5	102	64-120	
1,2,3-Trichlorobenzene	20.0	18.3	92	42-126	
1,2,4-Trichlorobenzene	20.0	18.8	94	47-120	
1,1,1-Trichloroethane	20.0	23.1	115	65-141	
Trichloroethene	20.0	23.1	116	71-121	
Trichlorofluoromethane	20.0	25.4	127	52-148	
1,2,3-Trichloropropane	20.0	19.2	96	57-137	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	21.2	106	54-148	
1,2,4-Trimethylbenzene	20.0	20.5	102	66-129	
Vinyl acetate	20.0	16.2	81	44-160	
Vinyl chloride	20.0	20.9	105	61-134	
Xylenes, Total	40.0	40.8	102	78-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UX997065.D

Lab ID: LCS 240-496159/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	40.0	31.1	78	33-155	
Benzene	20.0	22.5	112	77-123	
Bromobenzene	20.0	21.4	107	77-120	
Bromochloromethane	20.0	21.4	107	70-128	
Bromodichloromethane	20.0	22.3	111	73-122	
Bromoform	20.0	18.4	92	47-133	
Bromomethane	20.0	19.6	98	48-144	
2-Butanone	40.0	38.2	96	41-151	
Carbon disulfide	20.0	20.1	100	67-127	
Carbon tetrachloride	20.0	24.0	120	61-142	
Chlorobenzene	20.0	21.2	106	80-120	
Chloroethane	20.0	19.8	99	41-147	
2-Chloroethyl vinyl ether	20.0	22.0	110	29-146	
Chloroform	20.0	23.1	116	74-127	
Chloromethane	20.0	18.5	93	46-148	
2-Chlorotoluene	20.0	21.2	106	73-126	
4-Chlorotoluene	20.0	21.5	108	73-126	
cis-1,2-Dichloroethene	20.0	22.4	112	75-124	
cis-1,3-Dichloropropene	20.0	22.6	113	68-128	
Dibromochloromethane	20.0	20.3	102	75-120	
1,2-Dibromo-3-Chloropropane	20.0	16.2	81	34-136	
1,2-Dibromoethane	20.0	20.6	103	73-120	
Dibromomethane	20.0	23.1	115	67-121	
1,2-Dichlorobenzene	20.0	20.5	103	74-120	
1,3-Dichlorobenzene	20.0	20.9	104	74-120	
1,4-Dichlorobenzene	20.0	20.7	103	75-120	
Dichlorodifluoromethane	20.0	27.0	135	35-137	
1,1-Dichloroethane	20.0	21.4	107	74-126	
1,2-Dichloroethane	20.0	23.2	116	66-129	
1,1-Dichloroethene	20.0	22.6	113	73-129	
1,2-Dichloropropane	20.0	22.4	112	79-127	
1,3-Dichloropropane	20.0	20.6	103	74-122	
2,2-Dichloropropane	20.0	22.3	112	67-137	
1,1-Dichloropropene	20.0	23.2	116	78-120	
Ethylbenzene	20.0	21.3	107	80-120	
Hexachlorobutadiene	20.0	18.5	92	40-120	
2-Hexanone	40.0	35.6	89	43-142	
Isopropylbenzene	20.0	20.9	104	73-123	
Methylene Chloride	20.0	20.1	100	63-134	
4-Methyl-2-pentanone	40.0	38.6	96	43-145	
Methyl tert-butyl ether	20.0	21.7	109	57-127	
m-Xylene & p-Xylene	20.0	21.0	105	79-121	

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UX997065.D

Lab ID: LCS 240-496159/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	20.0	17.6	88	28-130	
n-Butylbenzene	20.0	20.2	101	54-129	
n-Propylbenzene	20.0	21.9	109	67-130	
o-Xylene	20.0	20.6	103	75-123	
p-Isopropyltoluene	20.0	21.0	105	66-127	
sec-Butylbenzene	20.0	21.1	106	60-131	
Styrene	20.0	22.5	112	75-121	
tert-Butyl alcohol	200	187	93	15-169	
tert-Butylbenzene	20.0	19.8	99	63-126	
1,1,1,2-Tetrachloroethane	20.0	20.9	105	77-120	
1,1,2,2-Tetrachloroethane	20.0	20.1	100	45-151	
Tetrachloroethene	20.0	21.1	106	70-125	
Toluene	20.0	21.3	106	79-122	
trans-1,2-Dichloroethene	20.0	21.7	109	74-130	
trans-1,3-Dichloropropene	20.0	20.9	105	64-120	
1,2,3-Trichlorobenzene	20.0	18.5	92	42-126	
1,2,4-Trichlorobenzene	20.0	19.7	98	47-120	
1,1,1-Trichloroethane	20.0	23.8	119	65-141	
Trichloroethene	20.0	23.9	120	71-121	
Trichlorofluoromethane	20.0	26.3	131	52-148	
1,2,3-Trichloropropane	20.0	19.6	98	57-137	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	21.5	107	54-148	
1,2,4-Trimethylbenzene	20.0	21.3	106	66-129	
Vinyl acetate	20.0	16.1	80	44-160	
Vinyl chloride	20.0	20.5	103	61-134	
Xylenes, Total	40.0	41.6	104	78-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1923144.d

Lab ID: LCS 240-496393/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	40.0	35.8	90	33-155	
Benzene	20.0	19.3	97	77-123	
Bromobenzene	20.0	19.9	100	77-120	
Bromochloromethane	20.0	17.6	88	70-128	
Bromodichloromethane	20.0	18.1	91	73-122	
Bromoform	20.0	16.5	83	47-133	
Bromomethane	20.0	21.7	108	48-144	
2-Butanone	40.0	37.5	94	41-151	
Carbon disulfide	20.0	17.7	88	67-127	
Carbon tetrachloride	20.0	19.6	98	61-142	
Chlorobenzene	20.0	20.1	100	80-120	
Chloroethane	20.0	22.5	113	41-147	
2-Chloroethyl vinyl ether	20.0	18.0	90	29-146	
Chloroform	20.0	18.8	94	74-127	
Chloromethane	20.0	17.5	87	46-148	
2-Chlorotoluene	20.0	21.1	106	73-126	
4-Chlorotoluene	20.0	20.9	105	73-126	
cis-1,2-Dichloroethene	20.0	18.6	93	75-124	
cis-1,3-Dichloropropene	20.0	16.6	83	68-128	
Dibromochloromethane	20.0	18.8	94	75-120	
1,2-Dibromo-3-Chloropropane	20.0	17.1	86	34-136	
1,2-Dibromoethane	20.0	19.9	100	73-120	
Dibromomethane	20.0	16.9	84	67-121	
1,2-Dichlorobenzene	20.0	20.6	103	74-120	
1,3-Dichlorobenzene	20.0	20.5	102	74-120	
1,4-Dichlorobenzene	20.0	20.3	101	75-120	
Dichlorodifluoromethane	20.0	22.3	112	35-137	
1,1-Dichloroethane	20.0	18.5	92	74-126	
1,2-Dichloroethane	20.0	18.3	92	66-129	
1,1-Dichloroethene	20.0	19.7	98	73-129	
1,2-Dichloropropane	20.0	18.6	93	79-127	
1,3-Dichloropropane	20.0	20.7	103	74-122	
2,2-Dichloropropane	20.0	18.8	94	67-137	
1,1-Dichloropropene	20.0	19.2	96	78-120	
Ethylbenzene	20.0	20.6	103	80-120	
Hexachlorobutadiene	20.0	16.8	84	40-120	
2-Hexanone	40.0	37.7	94	43-142	
Isopropylbenzene	20.0	21.0	105	73-123	
Methylene Chloride	20.0	18.3	91	63-134	
4-Methyl-2-pentanone	40.0	34.4	86	43-145	
Methyl tert-butyl ether	20.0	17.2	86	57-127	
m-Xylene & p-Xylene	20.0	20.3	101	79-121	

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1923144.d

Lab ID: LCS 240-496393/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	20.0	18.7	94	28-130	
n-Butylbenzene	20.0	21.7	109	54-129	
n-Propylbenzene	20.0	21.5	107	67-130	
o-Xylene	20.0	20.4	102	75-123	
p-Isopropyltoluene	20.0	21.2	106	66-127	
sec-Butylbenzene	20.0	22.3	112	60-131	
Styrene	20.0	19.5	98	75-121	
tert-Butyl alcohol	200	171	85	15-169	
tert-Butylbenzene	20.0	21.6	108	63-126	
1,1,1,2-Tetrachloroethane	20.0	19.1	95	77-120	
1,1,2,2-Tetrachloroethane	20.0	22.0	110	45-151	
Tetrachloroethene	20.0	19.7	99	70-125	
Toluene	20.0	21.1	105	79-122	
trans-1,2-Dichloroethene	20.0	18.3	91	74-130	
trans-1,3-Dichloropropene	20.0	17.8	89	64-120	
1,2,3-Trichlorobenzene	20.0	17.7	88	42-126	
1,2,4-Trichlorobenzene	20.0	18.1	90	47-120	
1,1,1-Trichloroethane	20.0	19.4	97	65-141	
Trichloroethene	20.0	18.6	93	71-121	
Trichlorofluoromethane	20.0	24.0	120	52-148	
1,2,3-Trichloropropane	20.0	21.8	109	57-137	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	22.1	110	54-148	
1,2,4-Trimethylbenzene	20.0	21.5	108	66-129	
Vinyl acetate	20.0	14.4	72	44-160	
Vinyl chloride	20.0	19.7	99	61-134	
Xylenes, Total	40.0	40.7	102	78-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UXM38831.D

Lab ID: LCS 240-496537/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	40.0	39.4	98	33-155	
Benzene	20.0	18.9	95	77-123	
Bromobenzene	20.0	18.8	94	77-120	
Bromochloromethane	20.0	19.8	99	70-128	
Bromodichloromethane	20.0	17.9	90	73-122	
Bromoform	20.0	15.9	80	47-133	
Bromomethane	20.0	22.3	111	48-144	E
2-Butanone	40.0	40.0	100	41-151	
Carbon disulfide	20.0	18.9	95	67-127	
Carbon tetrachloride	20.0	19.8	99	61-142	
Chlorobenzene	20.0	19.1	96	80-120	
Chloroethane	20.0	18.8	94	41-147	
2-Chloroethyl vinyl ether	20.0	13.5	67	29-146	
Chloroform	20.0	19.5	98	74-127	
Chloromethane	20.0	19.1	95	46-148	
2-Chlorotoluene	20.0	19.1	95	73-126	
4-Chlorotoluene	20.0	19.1	96	73-126	
cis-1,2-Dichloroethene	20.0	19.4	97	75-124	
cis-1,3-Dichloropropene	20.0	17.9	90	68-128	
Dibromochloromethane	20.0	16.8	84	75-120	
1,2-Dibromo-3-Chloropropane	20.0	15.2	76	34-136	
1,2-Dibromoethane	20.0	19.2	96	73-120	
Dibromomethane	20.0	19.2	96	67-121	
1,2-Dichlorobenzene	20.0	18.8	94	74-120	
1,3-Dichlorobenzene	20.0	19.1	95	74-120	
1,4-Dichlorobenzene	20.0	19.3	96	75-120	
Dichlorodifluoromethane	20.0	17.8	89	35-137	
1,1-Dichloroethane	20.0	18.2	91	74-126	
1,2-Dichloroethane	20.0	19.8	99	66-129	
1,1-Dichloroethene	20.0	20.4	102	73-129	
1,2-Dichloropropane	20.0	18.4	92	79-127	
1,3-Dichloropropane	20.0	18.2	91	74-122	
2,2-Dichloropropane	20.0	18.3	91	67-137	
1,1-Dichloropropene	20.0	19.3	96	78-120	
Ethylbenzene	20.0	19.6	98	80-120	
Hexachlorobutadiene	20.0	18.7	94	40-120	
2-Hexanone	40.0	34.4	86	43-142	
Isopropylbenzene	20.0	20.0	100	73-123	
Methylene Chloride	20.0	19.2	96	63-134	
4-Methyl-2-pentanone	40.0	33.7	84	43-145	
Methyl tert-butyl ether	20.0	18.8	94	57-127	
m-Xylene & p-Xylene	20.0	19.7	99	79-121	

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UXM38831.D

Lab ID: LCS 240-496537/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	20.0	16.4	82	28-130	
n-Butylbenzene	20.0	18.4	92	54-129	
n-Propylbenzene	20.0	18.8	94	67-130	
o-Xylene	20.0	19.9	99	75-123	
p-Isopropyltoluene	20.0	19.1	95	66-127	
sec-Butylbenzene	20.0	18.7	94	60-131	
Styrene	20.0	21.5	108	75-121	
tert-Butyl alcohol	200	176	88	15-169	
tert-Butylbenzene	20.0	18.6	93	63-126	
1,1,1,2-Tetrachloroethane	20.0	18.9	94	77-120	
1,1,2,2-Tetrachloroethane	20.0	17.8	89	45-151	
Tetrachloroethene	20.0	19.4	97	70-125	
Toluene	20.0	18.7	93	79-122	
trans-1,2-Dichloroethene	20.0	19.4	97	74-130	
trans-1,3-Dichloropropene	20.0	17.2	86	64-120	
1,2,3-Trichlorobenzene	20.0	16.9	84	42-126	
1,2,4-Trichlorobenzene	20.0	17.2	86	47-120	
1,1,1-Trichloroethane	20.0	19.8	99	65-141	
Trichloroethene	20.0	19.8	99	71-121	
Trichlorofluoromethane	20.0	22.3	112	52-148	
1,2,3-Trichloropropane	20.0	18.0	90	57-137	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	21.9	110	54-148	
1,2,4-Trimethylbenzene	20.0	18.6	93	66-129	
Vinyl acetate	20.0	21.2	106	44-160	
Vinyl chloride	20.0	21.1	106	61-134	
Xylenes, Total	40.0	39.6	99	78-122	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UX997069.D

Lab ID: LCSD 240-496159/9 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acetone	40.0	30.0	75	4	35	33-155	
Benzene	20.0	21.7	108	4	35	77-123	
Bromobenzene	20.0	19.9	100	7	35	77-120	
Bromochloromethane	20.0	20.4	102	5	35	70-128	
Bromodichloromethane	20.0	21.5	107	4	35	73-122	
Bromoform	20.0	18.1	90	2	35	47-133	
Bromomethane	20.0	19.3	96	1	35	48-144	
2-Butanone	40.0	36.7	92	4	35	41-151	
Carbon disulfide	20.0	19.0	95	6	35	67-127	
Carbon tetrachloride	20.0	23.7	118	1	35	61-142	
Chlorobenzene	20.0	21.1	105	0	35	80-120	
Chloroethane	20.0	19.7	99	0	35	41-147	
2-Chloroethyl vinyl ether	20.0	20.6	103	7	35	29-146	
Chloroform	20.0	22.4	112	3	35	74-127	
Chloromethane	20.0	18.5	93	0	35	46-148	
2-Chlorotoluene	20.0	20.4	102	4	35	73-126	
4-Chlorotoluene	20.0	20.7	104	4	35	73-126	
cis-1,2-Dichloroethene	20.0	22.3	111	1	35	75-124	
cis-1,3-Dichloropropene	20.0	21.6	108	4	35	68-128	
Dibromochloromethane	20.0	20.2	101	1	35	75-120	
1,2-Dibromo-3-Chloropropane	20.0	14.5	73	11	35	34-136	
1,2-Dibromoethane	20.0	20.7	103	0	35	73-120	
Dibromomethane	20.0	22.8	114	1	35	67-121	
1,2-Dichlorobenzene	20.0	19.9	100	3	35	74-120	
1,3-Dichlorobenzene	20.0	19.9	99	5	35	74-120	
1,4-Dichlorobenzene	20.0	20.2	101	2	35	75-120	
Dichlorodifluoromethane	20.0	26.8	134	1	35	35-137	
1,1-Dichloroethane	20.0	20.3	102	5	35	74-126	
1,2-Dichloroethane	20.0	22.6	113	3	35	66-129	
1,1-Dichloroethene	20.0	22.0	110	3	35	73-129	
1,2-Dichloropropane	20.0	21.1	105	6	35	79-127	
1,3-Dichloropropane	20.0	20.3	102	1	35	74-122	
2,2-Dichloropropane	20.0	21.8	109	2	35	67-137	
1,1-Dichloropropene	20.0	22.4	112	3	35	78-120	
Ethylbenzene	20.0	21.0	105	1	35	80-120	
Hexachlorobutadiene	20.0	18.0	90	3	35	40-120	
2-Hexanone	40.0	34.2	86	4	35	43-142	
Isopropylbenzene	20.0	20.9	104	0	35	73-123	
Methylene Chloride	20.0	19.2	96	4	35	63-134	
4-Methyl-2-pentanone	40.0	36.4	91	6	35	43-145	
Methyl tert-butyl ether	20.0	21.0	105	3	35	57-127	
m-Xylene & p-Xylene	20.0	20.6	103	2	35	79-121	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UX997069.D

Lab ID: LCSD 240-496159/9 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Naphthalene	20.0	16.7	83	5	35	28-130	
n-Butylbenzene	20.0	19.7	98	3	35	54-129	
n-Propylbenzene	20.0	20.8	104	5	35	67-130	
o-Xylene	20.0	20.8	104	1	35	75-123	
p-Isopropyltoluene	20.0	20.2	101	4	35	66-127	
sec-Butylbenzene	20.0	20.5	103	3	35	60-131	
Styrene	20.0	22.4	112	1	35	75-121	
tert-Butyl alcohol	200	173	87	8	35	15-169	
tert-Butylbenzene	20.0	21.2	106	7	35	63-126	
1,1,1,2-Tetrachloroethane	20.0	20.5	103	2	35	77-120	
1,1,2,2-Tetrachloroethane	20.0	18.7	93	7	35	45-151	
Tetrachloroethene	20.0	21.6	108	2	35	70-125	
Toluene	20.0	21.3	106	0	35	79-122	
trans-1,2-Dichloroethene	20.0	21.1	105	3	35	74-130	
trans-1,3-Dichloropropene	20.0	20.3	102	3	35	64-120	
1,2,3-Trichlorobenzene	20.0	17.9	90	3	35	42-126	
1,2,4-Trichlorobenzene	20.0	18.8	94	4	35	47-120	
1,1,1-Trichloroethane	20.0	23.0	115	3	35	65-141	
Trichloroethene	20.0	23.5	118	2	35	71-121	
Trichlorofluoromethane	20.0	26.1	130	1	35	52-148	
1,2,3-Trichloropropane	20.0	18.4	92	6	35	57-137	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	21.9	109	2	35	54-148	
1,2,4-Trimethylbenzene	20.0	20.4	102	4	35	66-129	
Vinyl acetate	20.0	14.9	74	8	35	44-160	
Vinyl chloride	20.0	20.2	101	2	35	61-134	
Xylenes, Total	40.0	41.4	104	0	35	78-122	

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UX997024.D

Lab ID: 240-152672-C-3 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	623	78	32-157	
Benzene	400	20 U	420	105	70-121	
Bromodichloromethane	400	5.6 J	423	104	69-120	
Bromoform	400	20 U	357	89	41-128	
Bromomethane	400	20 U	369	92	41-136	
2-Butanone	800	200 U	730	91	40-147	
Carbon disulfide	400	20 U	331	83	54-131	
Carbon tetrachloride	400	20 U	417	104	53-142	
Chlorobenzene	400	11 J	405	98	73-120	
Chloroethane	400	20 U	382	95	37-142	
Chloroform	400	13 J	439	106	66-126	
Chloromethane	400	20 U	356	89	33-146	
cis-1,2-Dichloroethene	400	530	935	102	68-121	
cis-1,3-Dichloropropene	400	20 U	413	103	56-121	
Dibromochloromethane	400	9.6 J	391	95	66-120	
1,2-Dibromo-3-Chloropropane	400	40 U	294	74	31-130	
1,2-Dibromoethane	400	20 U	403	101	66-120	
1,2-Dichlorobenzene	400	20 U	370	93	65-120	
1,3-Dichlorobenzene	400	20 U	366	91	64-120	
1,4-Dichlorobenzene	400	20 U	380	95	65-120	
Dichlorodifluoromethane	400	20 U	418	104	27-132	
1,1-Dichloroethane	400	20 U	392	98	71-121	
1,2-Dichloroethane	400	11 J	462	113	65-127	
1,1-Dichloroethene	400	20 U	389	97	64-132	
1,2-Dichloropropane	400	20 U	418	105	73-125	
Ethylbenzene	400	20 U	376	94	66-122	
2-Hexanone	800	200 U	742	93	44-142	
Isopropylbenzene	400	20 U	367	92	56-122	
Methylene Chloride	400	100 U	382	95	59-127	
4-Methyl-2-pentanone	800	200 U	804	101	40-147	
Methyl tert-butyl ether	400	20 U	403	101	50-126	
m-Xylene & p-Xylene	400	40 U	380	95	65-123	
o-Xylene	400	20 U	380	95	63-124	
Styrene	400	20 U	415	104	57-126	
1,1,2,2-Tetrachloroethane	400	20 U	385	96	37-149	
Tetrachloroethene	400	20 U	376	94	52-129	
Toluene	400	20 U	393	98	68-124	
trans-1,2-Dichloroethene	400	20 U	393	98	69-126	
trans-1,3-Dichloropropene	400	20 U	395	99	53-120	
1,2,4-Trichlorobenzene	400	20	359	85	37-120	
1,1,1-Trichloroethane	400	20 U	421	105	62-135	
Trichlorofluoromethane	400	20 U	410	103	45-152	

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UX997024.D

Lab ID: 240-152672-C-3 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,2-Trichloro-1,2,2-trichfluoroethane	400	20 U	336	84	41-145	
Vinyl chloride	400	160	530	93	49-136	
Xylenes, Total	800	40 U	760	95	64-124	

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UX997041.D

Lab ID: 240-152987-E-2 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Acetone	20000	5000 U	15500	78	32-157	
Benzene	10000	15000	25200	106	70-121	
Bromodichloromethane	10000	500 U	10800	108	69-120	
Bromoform	10000	500 U	9150	92	41-128	
Bromomethane	10000	500 U	8960	90	41-136	
2-Butanone	20000	5000 U	18800	94	40-147	
Carbon disulfide	10000	500 U	9570	96	54-131	
Carbon tetrachloride	10000	500 U	11600	116	53-142	
Chlorobenzene	10000	500 U	10500	105	73-120	
Chloroethane	10000	500 U	9180	92	37-142	
Chloroform	10000	500 U	11400	114	66-126	
Chloromethane	10000	500 U	8500	85	33-146	
cis-1,2-Dichloroethene	10000	500 U	11000	110	68-121	
cis-1,3-Dichloropropene	10000	500 U	11000	110	56-121	
Dibromochloromethane	10000	500 U	9880	99	66-120	
1,2-Dibromo-3-Chloropropane	10000	1000 U	8090	81	31-130	
1,2-Dibromoethane	10000	500 U	10400	104	66-120	
1,2-Dichlorobenzene	10000	500 U	10100	101	65-120	
1,3-Dichlorobenzene	10000	500 U	10100	101	64-120	
1,4-Dichlorobenzene	10000	500 U	10200	102	65-120	
Dichlorodifluoromethane	10000	500 U	12600	126	27-132	
1,1-Dichloroethane	10000	500 U	10400	104	71-121	
1,2-Dichloroethane	10000	500 U	11800	118	65-127	
1,1-Dichloroethene	10000	500 U	10700	107	64-132	
1,2-Dichloropropane	10000	500 U	11000	110	73-125	
Ethylbenzene	10000	770	11400	107	66-122	
2-Hexanone	20000	5000 U	18500	92	44-142	
Isopropylbenzene	10000	500 U	10500	105	56-122	
Methylene Chloride	10000	2500 U	9750	98	59-127	
4-Methyl-2-pentanone	20000	5000 U	19600	98	40-147	
Methyl tert-butyl ether	10000	500 U	10600	106	50-126	
m-Xylene & p-Xylene	10000	1200	11900	108	65-123	
o-Xylene	10000	580	11000	104	63-124	
Styrene	10000	600	11900	113	57-126	
1,1,2,2-Tetrachloroethane	10000	500 U	9650	97	37-149	
Tetrachloroethene	10000	500 U	10600	106	52-129	
Toluene	10000	4500	15200	106	68-124	
trans-1,2-Dichloroethene	10000	500 U	10600	106	69-126	
trans-1,3-Dichloropropene	10000	500 U	10400	104	53-120	
1,2,4-Trichlorobenzene	10000	500 U	9630	96	37-120	
1,1,1-Trichloroethane	10000	500 U	11600	116	62-135	
Trichloroethene	10000	500 U	11700	117	56-124	

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UX997041.D

Lab ID: 240-152987-E-2 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Trichlorofluoromethane	10000	500 U	11800	118	45-152	
1,1,2-Trichloro-1,2,2-trichfluoroethane	10000	500 U	10500	105	41-145	
Vinyl chloride	10000	500 U	9600	96	49-136	
Xylenes, Total	20000	1800	22900	106	64-124	

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1923150.d

Lab ID: 240-152974-C-2 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Acetone	200	50 U	173	86	32-157	
Benzene	100	5.0 U	96.0	96	70-121	
Bromodichloromethane	100	5.0 U	89.0	89	69-120	
Bromoform	100	5.0 U	79.6	80	41-128	
Bromomethane	100	5.0 U	111	111	41-136	
2-Butanone	200	50 U	203	101	40-147	
Carbon disulfide	100	5.0 U	85.7	86	54-131	
Carbon tetrachloride	100	5.0 U	93.7	94	53-142	
Chlorobenzene	100	5.0 U	98.6	99	73-120	
Chloroethane	100	5.0 U	118	118	37-142	
Chloroform	100	5.0 U	94.3	94	66-126	
Chloromethane	100	5.0 U	92.8	93	33-146	
cis-1,2-Dichloroethene	100	210	288	75	68-121	
cis-1,3-Dichloropropene	100	5.0 U	78.9	79	56-121	
Dibromochloromethane	100	5.0 U	89.3	89	66-120	
1,2-Dibromo-3-Chloropropane	100	10 U	80.3	80	31-130	
1,2-Dibromoethane	100	5.0 U	93.7	94	66-120	
1,2-Dichlorobenzene	100	5.0 U	98.7	99	65-120	
1,3-Dichlorobenzene	100	5.0 U	98.7	99	64-120	
1,4-Dichlorobenzene	100	5.0 U	97.2	97	65-120	
Dichlorodifluoromethane	100	5.0 U	113	113	27-132	
1,1-Dichloroethane	100	4.6 J	94.7	90	71-121	
1,2-Dichloroethane	100	5.0 U	91.2	91	65-127	
1,1-Dichloroethene	100	5.0 U	99.0	99	64-132	
1,2-Dichloropropane	100	5.0 U	92.8	93	73-125	
Ethylbenzene	100	5.0 U	99.8	100	66-122	
2-Hexanone	200	50 U	183	91	44-142	
Isopropylbenzene	100	5.0 U	100	100	56-122	
Methylene Chloride	100	25 U	89.2	89	59-127	
4-Methyl-2-pentanone	200	50 U	170	85	40-147	
Methyl tert-butyl ether	100	5.0 U	87.5	87	50-126	
m-Xylene & p-Xylene	100	10 U	100	100	65-123	
o-Xylene	100	5.0 U	98.9	99	63-124	
Styrene	100	5.0 U	95.1	95	57-126	
1,1,2,2-Tetrachloroethane	100	5.0 U	106	106	37-149	
Tetrachloroethene	100	5.0 U	96.1	96	52-129	
Toluene	100	5.0 U	102	102	68-124	
trans-1,2-Dichloroethene	100	7.6	97.1	89	69-126	
trans-1,3-Dichloropropene	100	5.0 U	84.6	85	53-120	
1,2,4-Trichlorobenzene	100	5.0 U	81.7	82	37-120	
1,1,1-Trichloroethane	100	5.0 U	95.0	95	62-135	
Trichloroethene	100	5.0 U	92.6	93	56-124	

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1923150.d

Lab ID: 240-152974-C-2 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Trichlorofluoromethane	100	5.0 U	127	127	45-152	
1,1,2-Trichloro-1,2,2-trichfluoroethane	100	5.0 U	107	107	41-145	
Vinyl chloride	100	2.8 J	105	103	49-136	
Xylenes, Total	200	10 U	199	99	64-124	

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UXM38855.D

Lab ID: 240-153306-B-2 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Acetone	1600	400 U	1710	107	32-157	
Benzene	800	40 U	738	92	70-121	
Bromodichloromethane	800	40 U	692	86	69-120	
Bromoform	800	40 U	576	72	41-128	
Bromomethane	800	40 U	810	101	41-136	E
2-Butanone	1600	400 U	1640	103	40-147	
Carbon disulfide	800	40 U	750	94	54-131	
Carbon tetrachloride	800	40 U	737	92	53-142	
Chlorobenzene	800	40 U	725	91	73-120	
Chloroethane	800	40 U	813	102	37-142	
Chloroform	800	40 U	810	101	66-126	
Chloromethane	800	40 U	843	105	33-146	
cis-1,2-Dichloroethene	800	40 U	798	100	68-121	
cis-1,3-Dichloropropene	800	40 U	625	78	56-121	
Dibromochloromethane	800	40 U	598	75	66-120	
1,1-Dichloroethane	800	40 U	748	94	71-121	
1,2-Dichloroethane	800	40 U	814	102	65-127	
1,1-Dichloroethene	800	2100	2590	67	64-132	
1,2-Dichloropropane	800	40 U	705	88	73-125	
Ethylbenzene	800	40 U	709	89	66-122	
2-Hexanone	1600	400 U	1240	78	44-142	
Methylene Chloride	800	200 U	838	105	59-127	
4-Methyl-2-pentanone	1600	400 U	1310	82	40-147	
m-Xylene & p-Xylene	800	80 U	731	91	65-123	
o-Xylene	800	40 U	747	93	63-124	
Styrene	800	40 U	819	102	57-126	
1,1,2,2-Tetrachloroethane	800	40 U	654	82	37-149	
Tetrachloroethene	800	40 U	697	87	52-129	
Toluene	800	40 U	696	87	68-124	
trans-1,2-Dichloroethene	800	40 U	782	98	69-126	
trans-1,3-Dichloropropene	800	40 U	568	71	53-120	
1,1,1-Trichloroethane	800	40 U	789	99	62-135	
Trichloroethene	800	40 U	750	94	56-124	
Vinyl chloride	800	1200	1900	93	49-136	
Xylenes, Total	1600	80 U	1480	92	64-124	

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UX997025.D

Lab ID: 240-152672-C-3 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acetone	800	620	78	1	35	32-157	
Benzene	400	437	109	4	35	70-121	
Bromodichloromethane	400	445	110	5	35	69-120	
Bromoform	400	384	96	7	35	41-128	
Bromomethane	400	365	91	1	35	41-136	
2-Butanone	800	823	103	12	35	40-147	
Carbon disulfide	400	355	89	7	35	54-131	
Carbon tetrachloride	400	444	111	6	35	53-142	
Chlorobenzene	400	416	101	3	35	73-120	
Chloroethane	400	363	91	5	35	37-142	
Chloroform	400	462	112	5	35	66-126	
Chloromethane	400	345	86	3	35	33-146	
cis-1,2-Dichloroethene	400	961	108	3	35	68-121	
cis-1,3-Dichloropropene	400	437	109	6	35	56-121	
Dibromochloromethane	400	412	101	5	35	66-120	
1,2-Dibromo-3-Chloropropane	400	318	80	8	35	31-130	
1,2-Dibromoethane	400	421	105	4	35	66-120	
1,2-Dichlorobenzene	400	378	95	2	35	65-120	
1,3-Dichlorobenzene	400	377	94	3	35	64-120	
1,4-Dichlorobenzene	400	386	97	2	35	65-120	
Dichlorodifluoromethane	400	410	102	2	35	27-132	
1,1-Dichloroethane	400	418	104	6	35	71-121	
1,2-Dichloroethane	400	481	118	4	35	65-127	
1,1-Dichloroethene	400	423	106	8	35	64-132	
1,2-Dichloropropane	400	441	110	5	35	73-125	
Ethylbenzene	400	396	99	5	35	66-122	
2-Hexanone	800	762	95	3	35	44-142	
Isopropylbenzene	400	380	95	3	20	56-122	
Methylene Chloride	400	396	99	4	32	59-127	
4-Methyl-2-pentanone	800	834	104	4	35	40-147	
Methyl tert-butyl ether	400	425	106	5	17	50-126	
m-Xylene & p-Xylene	400	392	98	3	35	65-123	
o-Xylene	400	399	100	5	35	63-124	
Styrene	400	427	107	3	35	57-126	
1,1,2,2-Tetrachloroethane	400	398	100	3	35	37-149	
Tetrachloroethene	400	395	99	5	35	52-129	
Toluene	400	415	104	5	35	68-124	
trans-1,2-Dichloroethene	400	419	105	6	35	69-126	
trans-1,3-Dichloropropene	400	414	104	5	35	53-120	
1,2,4-Trichlorobenzene	400	375	89	4	25	37-120	
1,1,1-Trichloroethane	400	456	114	8	35	62-135	
Trichlorofluoromethane	400	405	101	1	35	45-152	

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UX997025.D

Lab ID: 240-152672-C-3 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,2-Trichloro-1,2,2-trichfluoroethane	400	353	88	5	35	41-145	
Vinyl chloride	400	514	89	3	35	49-136	
Xylenes, Total	800	791	99	4	35	64-124	

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UX997042.D

Lab ID: 240-152987-E-2 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acetone	20000	16300	81	5	35	32-157	
Benzene	10000	25400	108	1	35	70-121	
Bromodichloromethane	10000	11300	113	4	35	69-120	
Bromoform	10000	9370	94	2	35	41-128	
Bromomethane	10000	9530	95	6	35	41-136	
2-Butanone	20000	19500	97	3	35	40-147	
Carbon disulfide	10000	10200	102	6	35	54-131	
Carbon tetrachloride	10000	12400	124	6	35	53-142	
Chlorobenzene	10000	10900	109	4	35	73-120	
Chloroethane	10000	9650	96	5	35	37-142	
Chloroform	10000	11800	118	4	35	66-126	
Chloromethane	10000	9160	92	7	35	33-146	
cis-1,2-Dichloroethene	10000	11200	112	2	35	68-121	
cis-1,3-Dichloropropene	10000	11500	115	4	35	56-121	
Dibromochloromethane	10000	10200	102	4	35	66-120	
1,2-Dibromo-3-Chloropropane	10000	7950	79	2	35	31-130	
1,2-Dibromoethane	10000	10400	104	0	35	66-120	
1,2-Dichlorobenzene	10000	10300	103	2	35	65-120	
1,3-Dichlorobenzene	10000	10300	103	2	35	64-120	
1,4-Dichlorobenzene	10000	10600	106	4	35	65-120	
Dichlorodifluoromethane	10000	13300	133	6	35	27-132	F1
1,1-Dichloroethane	10000	10800	108	3	35	71-121	
1,2-Dichloroethane	10000	12300	123	4	35	65-127	
1,1-Dichloroethene	10000	11600	116	8	35	64-132	
1,2-Dichloropropane	10000	11000	110	0	35	73-125	
Ethylbenzene	10000	11600	109	2	35	66-122	
2-Hexanone	20000	18500	92	0	35	44-142	
Isopropylbenzene	10000	10800	108	3	20	56-122	
Methylene Chloride	10000	10000	100	3	32	59-127	
4-Methyl-2-pentanone	20000	20400	102	4	35	40-147	
Methyl tert-butyl ether	10000	11000	110	4	17	50-126	
m-Xylene & p-Xylene	10000	12000	108	1	35	65-123	
o-Xylene	10000	11500	109	4	35	63-124	
Styrene	10000	12200	116	2	35	57-126	
1,1,2,2-Tetrachloroethane	10000	9730	97	1	35	37-149	
Tetrachloroethene	10000	11100	111	4	35	52-129	
Toluene	10000	15200	106	0	35	68-124	
trans-1,2-Dichloroethene	10000	11200	112	6	35	69-126	
trans-1,3-Dichloropropene	10000	10800	108	4	35	53-120	
1,2,4-Trichlorobenzene	10000	10000	100	4	25	37-120	
1,1,1-Trichloroethane	10000	12100	121	4	35	62-135	
Trichloroethene	10000	12200	122	4	35	56-124	

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UX997042.D

Lab ID: 240-152987-E-2 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Trichlorofluoromethane	10000	12200	122	4	35	45-152	
1,1,2-Trichloro-1,2,2-trichfluoroethane	10000	11200	112	7	35	41-145	
Vinyl chloride	10000	9840	98	2	35	49-136	
Xylenes, Total	20000	23500	109	3	35	64-124	

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1923151.d

Lab ID: 240-152974-C-2 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acetone	200	165	83	4	35	32-157	
Benzene	100	94.8	95	1	35	70-121	
Bromodichloromethane	100	86.8	87	3	35	69-120	
Bromoform	100	77.8	78	2	35	41-128	
Bromomethane	100	109	109	2	35	41-136	
2-Butanone	200	199	99	2	35	40-147	
Carbon disulfide	100	84.6	85	1	35	54-131	
Carbon tetrachloride	100	94.4	94	1	35	53-142	
Chlorobenzene	100	96.4	96	2	35	73-120	
Chloroethane	100	111	111	7	35	37-142	
Chloroform	100	92.8	93	2	35	66-126	
Chloromethane	100	90.3	90	3	35	33-146	
cis-1,2-Dichloroethene	100	303	90	5	35	68-121	
cis-1,3-Dichloropropene	100	77.6	78	2	35	56-121	
Dibromochloromethane	100	87.0	87	3	35	66-120	
1,2-Dibromo-3-Chloropropane	100	78.6	79	2	35	31-130	
1,2-Dibromoethane	100	94.7	95	1	35	66-120	
1,2-Dichlorobenzene	100	98.8	99	0	35	65-120	
1,3-Dichlorobenzene	100	98.1	98	1	35	64-120	
1,4-Dichlorobenzene	100	96.7	97	1	35	65-120	
Dichlorodifluoromethane	100	107	107	6	35	27-132	
1,1-Dichloroethane	100	94.4	90	0	35	71-121	
1,2-Dichloroethane	100	89.5	89	2	35	65-127	
1,1-Dichloroethene	100	96.6	97	2	35	64-132	
1,2-Dichloropropane	100	90.0	90	3	35	73-125	
Ethylbenzene	100	98.8	99	1	35	66-122	
2-Hexanone	200	182	91	1	35	44-142	
Isopropylbenzene	100	98.8	99	2	20	56-122	
Methylene Chloride	100	88.1	88	1	32	59-127	
4-Methyl-2-pentanone	200	167	83	2	35	40-147	
Methyl tert-butyl ether	100	85.6	86	2	17	50-126	
m-Xylene & p-Xylene	100	97.5	97	3	35	65-123	
o-Xylene	100	97.1	97	2	35	63-124	
Styrene	100	93.4	93	2	35	57-126	
1,1,2,2-Tetrachloroethane	100	107	107	1	35	37-149	
Tetrachloroethene	100	95.2	95	1	35	52-129	
Toluene	100	99.9	100	2	35	68-124	
trans-1,2-Dichloroethene	100	97.9	90	1	35	69-126	
trans-1,3-Dichloropropene	100	83.4	83	1	35	53-120	
1,2,4-Trichlorobenzene	100	84.0	84	3	25	37-120	
1,1,1-Trichloroethane	100	93.7	94	1	35	62-135	
Trichloroethene	100	88.8	89	4	35	56-124	

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1923151.d

Lab ID: 240-152974-C-2 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Trichlorofluoromethane	100	125	125	1	35	45-152	
1,1,2-Trichloro-1,2,2-trichfluoroethane	100	104	104	3	35	41-145	
Vinyl chloride	100	104	102	1	35	49-136	
Xylenes, Total	200	195	97	2	35	64-124	

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UXM38856.D

Lab ID: 240-153306-B-2 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acetone	1600	1630	102	4	35	32-157	
Benzene	800	822	103	11	35	70-121	
Bromodichloromethane	800	766	96	10	35	69-120	
Bromoform	800	661	83	14	35	41-128	
Bromomethane	800	768	96	5	35	41-136	
2-Butanone	1600	1680	105	2	35	40-147	
Carbon disulfide	800	787	98	5	35	54-131	
Carbon tetrachloride	800	811	101	10	35	53-142	
Chlorobenzene	800	805	101	10	35	73-120	
Chloroethane	800	738	92	10	35	37-142	
Chloroform	800	857	107	6	35	66-126	
Chloromethane	800	793	99	6	35	33-146	
cis-1,2-Dichloroethene	800	858	107	7	35	68-121	
cis-1,3-Dichloropropene	800	727	91	15	35	56-121	
Dibromochloromethane	800	715	89	18	35	66-120	
1,1-Dichloroethane	800	773	97	3	35	71-121	
1,2-Dichloroethane	800	869	109	7	35	65-127	
1,1-Dichloroethene	800	2580	66	0	35	64-132	
1,2-Dichloropropane	800	793	99	12	35	73-125	
Ethylbenzene	800	793	99	11	35	66-122	
2-Hexanone	1600	1360	85	9	35	44-142	
Methylene Chloride	800	869	109	4	32	59-127	
4-Methyl-2-pentanone	1600	1400	88	7	35	40-147	
m-Xylene & p-Xylene	800	798	100	9	35	65-123	
o-Xylene	800	818	102	9	35	63-124	
Styrene	800	895	112	9	35	57-126	
1,1,2,2-Tetrachloroethane	800	750	94	14	35	37-149	
Tetrachloroethene	800	807	101	15	35	52-129	
Toluene	800	779	97	11	35	68-124	
trans-1,2-Dichloroethene	800	850	106	8	35	69-126	
trans-1,3-Dichloropropene	800	684	85	19	35	53-120	
1,1,1-Trichloroethane	800	846	106	7	35	62-135	
Trichloroethene	800	832	104	10	35	56-124	
Vinyl chloride	800	1780	77	7	35	49-136	
Xylenes, Total	1600	1620	101	9	35	64-124	

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab File ID: UX997003.D Lab Sample ID: MB 240-495770/8

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

Instrument ID: A3UX9 Date Analyzed: 07/20/2021 12:16

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 240-495770/5	UX997000.D	07/20/2021 11:07
MSA-SW37A-071521	240-152946-1	UX997010.D	07/20/2021 15:09
MSA-SW37B-071521	240-152946-2	UX997011.D	07/20/2021 15:32
MSA-SW37C-071521	240-152946-3	UX997012.D	07/20/2021 15:55
MSA-SW37D-071521	240-152946-4	UX997013.D	07/20/2021 16:18
MSA-SW38A-071521	240-152946-5	UX997014.D	07/20/2021 16:41
	240-152672-C-3 MS	UX997024.D	07/20/2021 20:31
	240-152672-C-3 MSD	UX997025.D	07/20/2021 20:54

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab File ID: UX997036.D Lab Sample ID: MB 240-495975/8

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

Instrument ID: A3UX9 Date Analyzed: 07/21/2021 13:02

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-495975/5	UX997033.D	07/21/2021 11:53
	240-152987-E-2 MS	UX997041.D	07/21/2021 14:57
	240-152987-E-2 MSD	UX997042.D	07/21/2021 15:20
MSA-SW38B-071521	240-152946-6	UX997055.D	07/21/2021 20:19

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab File ID: UX997068.D Lab Sample ID: MB 240-496159/8

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

Instrument ID: A3UX9 Date Analyzed: 07/22/2021 13:01

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 240-496159/5	UX997065.D	07/22/2021 11:52
	LCSD 240-496159/9	UX997069.D	07/22/2021 13:25
MSA-SW38C-071521	240-152946-7	UX997074.D	07/22/2021 15:19
MSA-SW38D-071521	240-152946-8	UX997075.D	07/22/2021 15:42
MSA-SW40A-071521	240-152946-9	UX997076.D	07/22/2021 16:05
MSA-SW40B-071521	240-152946-10	UX997077.D	07/22/2021 16:28
MSA-SW40C-071521	240-152946-11	UX997078.D	07/22/2021 16:51
MSA-SW40D-071521	240-152946-12	UX997079.D	07/22/2021 17:14
MSA-SW41A-071521	240-152946-13	UX997080.D	07/22/2021 17:37
MSA-SW41B-071521	240-152946-14	UX997081.D	07/22/2021 18:00
MSA-SW41C-071521	240-152946-15	UX997082.D	07/22/2021 18:23
MSA-SW41D-071521	240-152946-16	UX997083.D	07/22/2021 18:45
MSA-SW42A-071521	240-152946-17	UX997084.D	07/22/2021 19:08
MSA-SW42C-071521	240-152946-19	UX997086.D	07/22/2021 19:53

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab File ID: U1923147.d Lab Sample ID: MB 240-496393/8

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

Instrument ID: A3UX19 Date Analyzed: 07/23/2021 17:12

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 240-496393/5	U1923144.d	07/23/2021 16:05
	240-152974-C-2 MS	U1923150.d	07/23/2021 18:19
	240-152974-C-2 MSD	U1923151.d	07/23/2021 18:41
MSA-SW43C-071521	240-152946-23	U1923153.d	07/23/2021 19:26
MSA-SW43D-071521	240-152946-24	U1923154.d	07/23/2021 19:48
MSA-SW44A-071521	240-152946-25	U1923155.d	07/23/2021 20:10
MSA-SW44B-071521	240-152946-26	U1923156.d	07/23/2021 20:32
MSA-SW44C-071521	240-152946-27	U1923157.d	07/23/2021 20:54
MSA-SW44D-071521	240-152946-28	U1923158.d	07/23/2021 21:16
TB-071521	240-152946-29	U1923159.d	07/23/2021 21:39
MSA-SW46A-071521	240-152946-30	U1923160.d	07/23/2021 22:01
MSA-SW47A-071521	240-152946-31	U1923161.d	07/23/2021 22:23
MSA-SW48A-071521	240-152946-32	U1923162.d	07/23/2021 22:45
MSA-SW49A-071521	240-152946-33	U1923163.d	07/23/2021 23:08

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab File ID: UXM38834.D Lab Sample ID: MB 240-496537/8

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

Instrument ID: A3UX16 Date Analyzed: 07/26/2021 13:29

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-496537/5	UXM38831.D	07/26/2021 12:15
MSA-SW42B-071521	240-152946-18	UXM38845.D	07/26/2021 18:00
MSA-SW42D-071521	240-152946-20	UXM38846.D	07/26/2021 18:25
MSA-SW43A-071521	240-152946-21	UXM38847.D	07/26/2021 18:50
MSA-SW43B-071521	240-152946-22	UXM38848.D	07/26/2021 19:15
	240-153306-B-2 MS	UXM38855.D	07/26/2021 22:06
	240-153306-B-2 MSD	UXM38856.D	07/26/2021 22:30

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab File ID: BFB6676.D BFB Injection Date: 04/23/2021

Instrument ID: A3UX16 BFB Injection Time: 11:11

Analysis Batch No.: 482539

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.1	
75	30.0 - 60.0 % of mass 95	49.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.8	(1.0) 1
174	Greater than 50% of mass 95	77.9	
175	5.0 - 9.0 % of mass 174	5.6	(7.2) 1
176	95.0 - 101.0 % of mass 174	75.3	(96.7) 1
177	5.0 - 9.0 % of mass 176	4.9	(6.5) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-482539/9	UXM36559.D	04/23/2021	12:04
	STD8260 240-482539/10	UXM36560.D	04/23/2021	12:28
	STD8260 240-482539/11	UXM36561.D	04/23/2021	12:52
	ICIS 240-482539/12	UXM36562.D	04/23/2021	13:16
	STD8260 240-482539/13	UXM36563.D	04/23/2021	13:40
	STD8260 240-482539/14	UXM36564.D	04/23/2021	14:04
	STD8260 240-482539/15	UXM36565.D	04/23/2021	14:28
	STD8260 240-482539/16	UXM36566.D	04/23/2021	14:53
	ICV 240-482539/17	UXM36567.D	04/23/2021	15:17
	STDA9 240-482539/20	UXM36570.D	04/23/2021	16:29
	STDA9 240-482539/21	UXM36571.D	04/23/2021	16:53
	STDA9 240-482539/22	UXM36572.D	04/23/2021	17:17
	STDA9 240-482539/23	UXM36573.D	04/23/2021	17:42
	STDA9 240-482539/24	UXM36574.D	04/23/2021	18:06
	STDA9 240-482539/25	UXM36575.D	04/23/2021	18:30
	ICV 240-482539/26	UXM36576.D	04/23/2021	18:55

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab File ID: BFB1331.D BFB Injection Date: 07/26/2021

Instrument ID: A3UX16 BFB Injection Time: 11:01

Analysis Batch No.: 496537

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.0	
75	30.0 - 60.0 % of mass 95	48.7	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.4	
173	Less than 2.0 % of mass 174	0.5	(0.6) 1
174	Greater than 50% of mass 95	82.3	
175	5.0 - 9.0 % of mass 174	5.8	(7.1) 1
176	95.0 - 101.0 % of mass 174	80.5	(97.8) 1
177	5.0 - 9.0 % of mass 176	5.3	(6.6) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-496537/3	UXM38829.D	07/26/2021	11:26
	CCV 240-496537/4	UXM38830.D	07/26/2021	11:50
	LCS 240-496537/5	UXM38831.D	07/26/2021	12:15
	MB 240-496537/8	UXM38834.D	07/26/2021	13:29
MSA-SW42B-071521	240-152946-18	UXM38845.D	07/26/2021	18:00
MSA-SW42D-071521	240-152946-20	UXM38846.D	07/26/2021	18:25
MSA-SW43A-071521	240-152946-21	UXM38847.D	07/26/2021	18:50
MSA-SW43B-071521	240-152946-22	UXM38848.D	07/26/2021	19:15
	240-153306-B-2 MS	UXM38855.D	07/26/2021	22:06
	240-153306-B-2 MSD	UXM38856.D	07/26/2021	22:30

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab File ID: bfb869.d BFB Injection Date: 07/10/2021

Instrument ID: A3UX19 BFB Injection Time: 13:18

Analysis Batch No.: 494428

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.0	
75	30.0 - 60.0 % of mass 95	53.1	
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	91.6	
175	5.0 - 9.0 % of mass 174	7.4	(8.1) 1
176	95.0 - 101.0 % of mass 174	89.7	(98.0) 1
177	5.0 - 9.0 % of mass 176	5.9	(6.6) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-494428/9	U1922955.d	07/10/2021	14:02
	STD8260 240-494428/10	U1922956.d	07/10/2021	14:24
	STD8260 240-494428/11	U1922957.d	07/10/2021	14:46
	ICIS 240-494428/12	U1922958.d	07/10/2021	15:08
	STD8260 240-494428/13	U1922959.d	07/10/2021	15:30
	STD8260 240-494428/14	U1922960.d	07/10/2021	15:53
	STD8260 240-494428/15	U1922961.d	07/10/2021	16:15
	STD8260 240-494428/16	U1922962.d	07/10/2021	16:37
	ICV 240-494428/17	U1922963.d	07/10/2021	17:00

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab File ID: bfb870.d BFB Injection Date: 07/12/2021

Instrument ID: A3UX19 BFB Injection Time: 16:27

Analysis Batch No.: 494648

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.8	
75	30.0 - 60.0 % of mass 95	51.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.4	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	91.4	
175	5.0 - 9.0 % of mass 174	7.3	(8.0) 1
176	95.0 - 101.0 % of mass 174	88.2	(96.4) 1
177	5.0 - 9.0 % of mass 176	6.2	(7.0) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STDA9 240-494648/11	U1922975.d	07/12/2021	19:46
	STDA9 240-494648/12	U1922976.d	07/12/2021	20:09
	STDA9 240-494648/13	U1922977.d	07/12/2021	20:31
	STDA9 240-494648/14	U1922978.d	07/12/2021	20:53
	STDA9 240-494648/15	U1922979.d	07/12/2021	21:15
	STDA9 240-494648/16	U1922980.d	07/12/2021	21:37
	ICV 240-494648/17	U1922981.d	07/12/2021	22:00

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab File ID: bfb877.d BFB Injection Date: 07/23/2021

Instrument ID: A3UX19 BFB Injection Time: 14:59

Analysis Batch No.: 496393

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.7	
75	30.0 - 60.0 % of mass 95	54.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	82.9	
175	5.0 - 9.0 % of mass 174	7.0	(8.4) 1
176	95.0 - 101.0 % of mass 174	80.1	(96.6) 1
177	5.0 - 9.0 % of mass 176	5.3	(6.6) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-496393/3	U1923142.d	07/23/2021	15:21
	CCVIS 240-496393/4	U1923143.d	07/23/2021	15:43
	LCS 240-496393/5	U1923144.d	07/23/2021	16:05
	MB 240-496393/8	U1923147.d	07/23/2021	17:12
	240-152974-C-2 MS	U1923150.d	07/23/2021	18:19
	240-152974-C-2 MSD	U1923151.d	07/23/2021	18:41
MSA-SW43C-071521	240-152946-23	U1923153.d	07/23/2021	19:26
MSA-SW43D-071521	240-152946-24	U1923154.d	07/23/2021	19:48
MSA-SW44A-071521	240-152946-25	U1923155.d	07/23/2021	20:10
MSA-SW44B-071521	240-152946-26	U1923156.d	07/23/2021	20:32
MSA-SW44C-071521	240-152946-27	U1923157.d	07/23/2021	20:54
MSA-SW44D-071521	240-152946-28	U1923158.d	07/23/2021	21:16
TB-071521	240-152946-29	U1923159.d	07/23/2021	21:39
MSA-SW46A-071521	240-152946-30	U1923160.d	07/23/2021	22:01
MSA-SW47A-071521	240-152946-31	U1923161.d	07/23/2021	22:23
MSA-SW48A-071521	240-152946-32	U1923162.d	07/23/2021	22:45
MSA-SW49A-071521	240-152946-33	U1923163.d	07/23/2021	23:08

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab File ID: BFB1296.D BFB Injection Date: 06/16/2021

Instrument ID: A3UX9 BFB Injection Time: 13:50

Analysis Batch No.: 490967

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.4	
75	30.0 - 60.0 % of mass 95	50.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	81.1	
175	5.0 - 9.0 % of mass 174	5.8	(7.1) 1
176	95.0 - 101.0 % of mass 174	78.9	(97.3) 1
177	5.0 - 9.0 % of mass 176	5.3	(6.7) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-490967/8	UX996077.D	06/16/2021	14:43
	STD8260 240-490967/9	UX996078.D	06/16/2021	15:06
	STD8260 240-490967/10	UX996079.D	06/16/2021	15:29
	ICIS 240-490967/11	UX996080.D	06/16/2021	15:52
	STD8260 240-490967/12	UX996081.D	06/16/2021	16:15
	STD8260 240-490967/13	UX996082.D	06/16/2021	16:38
	STD8260 240-490967/14	UX996083.D	06/16/2021	17:01
	ICV 240-490967/15	UX996084.D	06/16/2021	17:24
	STDA9 240-490967/18	UX996087.D	06/16/2021	18:33
	STDA9 240-490967/19	UX996088.D	06/16/2021	18:56
	STDA9 240-490967/20	UX996089.D	06/16/2021	19:20
	STDA9 240-490967/21	UX996090.D	06/16/2021	19:43
	STDA9 240-490967/22	UX996091.D	06/16/2021	20:06
	STDA9 240-490967/23	UX996092.D	06/16/2021	20:29
	ICV 240-490967/24	UX996093.D	06/16/2021	20:52

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab File ID: BFB1331.D BFB Injection Date: 07/20/2021

Instrument ID: A3UX9 BFB Injection Time: 09:55

Analysis Batch No.: 495770

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.3	
75	30.0 - 60.0 % of mass 95	56.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	85.7	
175	5.0 - 9.0 % of mass 174	7.2	(8.4) 1
176	95.0 - 101.0 % of mass 174	81.7	(95.3) 1
177	5.0 - 9.0 % of mass 176	5.5	(6.8) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-495770/3	UX996998.D	07/20/2021	10:22
	CCV 240-495770/4	UX996999.D	07/20/2021	10:45
	LCS 240-495770/5	UX997000.D	07/20/2021	11:07
	MB 240-495770/8	UX997003.D	07/20/2021	12:16
MSA-SW37A-071521	240-152946-1	UX997010.D	07/20/2021	15:09
MSA-SW37B-071521	240-152946-2	UX997011.D	07/20/2021	15:32
MSA-SW37C-071521	240-152946-3	UX997012.D	07/20/2021	15:55
MSA-SW37D-071521	240-152946-4	UX997013.D	07/20/2021	16:18
MSA-SW38A-071521	240-152946-5	UX997014.D	07/20/2021	16:41
	240-152672-C-3 MS	UX997024.D	07/20/2021	20:31
	240-152672-C-3 MSD	UX997025.D	07/20/2021	20:54

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab File ID: BFB1332.D BFB Injection Date: 07/21/2021

Instrument ID: A3UX9 BFB Injection Time: 10:40

Analysis Batch No.: 495975

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.7	
75	30.0 - 60.0 % of mass 95	52.9	
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	87.9	
175	5.0 - 9.0 % of mass 174	6.7	(7.6) 1
176	95.0 - 101.0 % of mass 174	83.6	(95.2) 1
177	5.0 - 9.0 % of mass 176	5.7	(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
	CCVIS 240-495975/3	UX997031.D	07/21/2021	11:07
	CCV 240-495975/4	UX997032.D	07/21/2021	11:30
	LCS 240-495975/5	UX997033.D	07/21/2021	11:53
	MB 240-495975/8	UX997036.D	07/21/2021	13:02
	240-152987-E-2 MS	UX997041.D	07/21/2021	14:57
	240-152987-E-2 MSD	UX997042.D	07/21/2021	15:20
MSA-SW38B-071521	240-152946-6	UX997055.D	07/21/2021	20:19

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab File ID: BFB1334.D BFB Injection Date: 07/22/2021

Instrument ID: A3UX9 BFB Injection Time: 10:38

Analysis Batch No.: 496159

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.0	
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	6.9	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	84.0	
175	5.0 - 9.0 % of mass 174	6.4	(7.6) 1
176	95.0 - 101.0 % of mass 174	80.7	(96.1) 1
177	5.0 - 9.0 % of mass 176	5.2	(6.5) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-496159/3	UX997063.D	07/22/2021	11:07
	CCV 240-496159/4	UX997064.D	07/22/2021	11:30
	LCS 240-496159/5	UX997065.D	07/22/2021	11:52
	MB 240-496159/8	UX997068.D	07/22/2021	13:01
	LCSD 240-496159/9	UX997069.D	07/22/2021	13:25
MSA-SW38C-071521	240-152946-7	UX997074.D	07/22/2021	15:19
MSA-SW38D-071521	240-152946-8	UX997075.D	07/22/2021	15:42
MSA-SW40A-071521	240-152946-9	UX997076.D	07/22/2021	16:05
MSA-SW40B-071521	240-152946-10	UX997077.D	07/22/2021	16:28
MSA-SW40C-071521	240-152946-11	UX997078.D	07/22/2021	16:51
MSA-SW40D-071521	240-152946-12	UX997079.D	07/22/2021	17:14
MSA-SW41A-071521	240-152946-13	UX997080.D	07/22/2021	17:37
MSA-SW41B-071521	240-152946-14	UX997081.D	07/22/2021	18:00
MSA-SW41C-071521	240-152946-15	UX997082.D	07/22/2021	18:23
MSA-SW41D-071521	240-152946-16	UX997083.D	07/22/2021	18:45
MSA-SW42A-071521	240-152946-17	UX997084.D	07/22/2021	19:08
MSA-SW42C-071521	240-152946-19	UX997086.D	07/22/2021	19:53

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Sample No.: ICIS 240-482539/12 Date Analyzed: 04/23/2021 13:16

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXM36562.D Heated Purge: (Y/N) N

Calibration ID: 61157

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1453811	5.85	1138182	8.56	621051	10.84
UPPER LIMIT		2907622	6.35	2276364	9.06	1242102	11.34
LOWER LIMIT		726906	5.35	569091	8.06	310526	10.34
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-482539/17		1382486	5.85	1086217	8.56	592489	10.83
ICV 240-482539/26		1313582	5.85	1020282	8.56	546295	10.84
CCVIS 240-496537/3		1035564	5.85	826860	8.56	481981	10.84

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Sample No.: CCVIS 240-496537/3 Date Analyzed: 07/26/2021 11:26

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXM38829.D Heated Purge: (Y/N) N

Calibration ID: 61161

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1035564	5.85	826860	8.56	481981	10.84
UPPER LIMIT		2071128	6.35	1653720	9.06	963962	11.34
LOWER LIMIT		517782	5.35	413430	8.06	240991	10.34
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-496537/4		936188	5.85	810099	8.56	452594	10.84
LCS 240-496537/5		1004212	5.85	826201	8.56	480939	10.84
MB 240-496537/8		766984	5.85	733762	8.56	430315	10.84
240-152946-18	MSA-SW42B-071521	812371	5.85	744420	8.56	439864	10.84
240-152946-20	MSA-SW42D-071521	830158	5.85	758075	8.56	439908	10.84
240-152946-21	MSA-SW43A-071521	773547	5.85	727788	8.56	424784	10.84
240-152946-22	MSA-SW43B-071521	782336	5.85	715472	8.56	417714	10.84
240-153306-B-2 MS		836878	5.85	732899	8.56	443609	10.84
240-153306-B-2 MSD		902595	5.85	753406	8.56	440545	10.84

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Sample No.: ICIS 240-494428/12 Date Analyzed: 07/10/2021 15:08

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): U1922958.d Heated Purge: (Y/N) N

Calibration ID: 61910

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		908893	5.94	700460	8.45	391669	10.59
UPPER LIMIT		1817786	6.44	1400920	8.95	783338	11.09
LOWER LIMIT		454447	5.44	350230	7.95	195835	10.09
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-494428/17		861893	5.94	682891	8.45	376822	10.59
CCVIS 240-496393/4		653522	5.94	476760	8.46	255499	10.59

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Sample No.: CCVIS 240-496393/4 Date Analyzed: 07/23/2021 15:43

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): U1923143.d Heated Purge: (Y/N) N

Calibration ID: 61927

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		653522	5.94	476760	8.46	255499	10.59
UPPER LIMIT		1307044	6.44	953520	8.96	510998	11.09
LOWER LIMIT		326761	5.44	238380	7.96	127750	10.09
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 240-496393/5		705167	5.94	515615	8.45	276261	10.59
MB 240-496393/8		644631	5.94	464962	8.46	236383	10.59
240-152974-C-2 MS		686499	5.94	509159	8.46	275138	10.59
240-152974-C-2 MSD		702888	5.94	518567	8.46	277029	10.59
240-152946-23	MSA-SW43C-071521	650833	5.94	473853	8.46	243083	10.59
240-152946-24	MSA-SW43D-071521	644032	5.94	462016	8.46	238397	10.59
240-152946-25	MSA-SW44A-071521	632772	5.94	456771	8.46	232448	10.59
240-152946-26	MSA-SW44B-071521	641611	5.94	458439	8.46	232189	10.59
240-152946-27	MSA-SW44C-071521	625796	5.94	456155	8.46	226317	10.59
240-152946-28	MSA-SW44D-071521	613023	5.94	439979	8.46	222601	10.59
240-152946-29	TB-071521	605702	5.94	447788	8.46	232472	10.59
240-152946-30	MSA-SW46A-071521	599676	5.94	431731	8.46	218813	10.59
240-152946-31	MSA-SW47A-071521	611957	5.94	438422	8.46	227408	10.59
240-152946-32	MSA-SW48A-071521	621067	5.94	454337	8.46	227242	10.59
240-152946-33	MSA-SW49A-071521	608542	5.94	439815	8.46	215950	10.59

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Sample No.: ICIS 240-490967/11 Date Analyzed: 06/16/2021 15:52

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UX996080.D Heated Purge: (Y/N) N

Calibration ID: 61772

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		808438	5.88	626941	8.57	339724	10.82
UPPER LIMIT		1616876	6.38	1253882	9.07	679448	11.32
LOWER LIMIT		404219	5.38	313471	8.07	169862	10.32
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-490967/15		853218	5.88	642240	8.57	347846	10.82
ICV 240-490967/24		831269	5.88	631041	8.58	327601	10.82
CCVIS 240-495770/3		654345	5.88	532006	8.58	300867	10.81
CCVIS 240-495975/3		747447	5.88	621124	8.58	339044	10.81
CCVIS 240-496159/3		820020	5.88	675893	8.58	364996	10.81

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Sample No.: CCVIS 240-495770/3 Date Analyzed: 07/20/2021 10:22

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UX996998.D Heated Purge: (Y/N) N

Calibration ID: 61776

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		654345	5.88	532006	8.58	300867	10.81
UPPER LIMIT		1308690	6.38	1064012	9.08	601734	11.31
LOWER LIMIT		327173	5.38	266003	8.08	150434	10.31
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-495770/4		647840	5.88	526443	8.58	285110	10.81
LCS 240-495770/5		641789	5.88	541773	8.58	297183	10.82
MB 240-495770/8		596559	5.88	494741	8.58	256537	10.81
240-152946-1	MSA-SW37A-071521	611228	5.88	516460	8.58	267000	10.81
240-152946-2	MSA-SW37B-071521	600745	5.88	501236	8.58	266800	10.82
240-152946-3	MSA-SW37C-071521	591580	5.88	503209	8.58	257356	10.81
240-152946-4	MSA-SW37D-071521	597591	5.88	498458	8.58	258094	10.81
240-152946-5	MSA-SW38A-071521	603269	5.88	511173	8.58	268652	10.82
240-152672-C-3 MS		641159	5.88	537718	8.58	297043	10.81
240-152672-C-3 MSD		667272	5.88	555737	8.57	308943	10.82

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Sample No.: CCVIS 240-495975/3 Date Analyzed: 07/21/2021 11:07

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UX997031.D Heated Purge: (Y/N) N

Calibration ID: 61776

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		747447	5.88	621124	8.58	339044	10.81
UPPER LIMIT		1494894	6.38	1242248	9.08	678088	11.31
LOWER LIMIT		373724	5.38	310562	8.08	169522	10.31
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-495975/4		726348	5.88	606179	8.58	310400	10.82
LCS 240-495975/5		733977	5.88	621026	8.57	338387	10.81
MB 240-495975/8		731332	5.88	621957	8.57	324023	10.82
240-152987-E-2 MS		733223	5.88	609798	8.57	338932	10.81
240-152987-E-2 MSD		757549	5.88	637611	8.58	355761	10.81
240-152946-6	MSA-SW38B-071521	672142	5.88	559922	8.58	297877	10.81

FB = Fluorobenzene
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4
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.: 240-152946-1

SDG No.: Frog Mortar Creek

Sample No.: CCVIS 240-496159/3 Date Analyzed: 07/22/2021 11:07

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UX997063.D Heated Purge: (Y/N) N

Calibration ID: 61776

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		820020	5.88	675893	8.58	364996	10.81
UPPER LIMIT		1640040	6.38	1351786	9.08	729992	11.31
LOWER LIMIT		410010	5.38	337947	8.08	182498	10.31
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-496159/4		758122	5.88	620737	8.58	335523	10.82
LCS 240-496159/5		763841	5.88	642976	8.58	347228	10.82
MB 240-496159/8		719872	5.88	589599	8.58	310185	10.81
LCSD 240-496159/9		751965	5.88	617779	8.58	349448	10.82
240-152946-7	MSA-SW38C-071521	712000	5.88	595756	8.57	308328	10.82
240-152946-8	MSA-SW38D-071521	731057	5.88	610134	8.58	314807	10.81
240-152946-9	MSA-SW40A-071521	688505	5.88	585139	8.57	297178	10.82
240-152946-10	MSA-SW40B-071521	700899	5.88	583027	8.58	298230	10.81
240-152946-11	MSA-SW40C-071521	738334	5.88	616659	8.58	321844	10.81
240-152946-12	MSA-SW40D-071521	697492	5.88	593426	8.58	304775	10.81
240-152946-13	MSA-SW41A-071521	698918	5.88	581654	8.58	302212	10.81
240-152946-14	MSA-SW41B-071521	679999	5.88	568331	8.58	286958	10.81
240-152946-15	MSA-SW41C-071521	644120	5.88	536510	8.58	272425	10.81
240-152946-16	MSA-SW41D-071521	576618	5.88	488175	8.58	247497	10.81
240-152946-17	MSA-SW42A-071521	561808	5.88	466578	8.57	238343	10.82
240-152946-19	MSA-SW42C-071521	465139	5.88	372782	8.58	184638	10.81

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37A-071521 Lab Sample ID: 240-152946-1

Matrix: Water Lab File ID: UX997010.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:21

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 15:09

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.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37A-071521 Lab Sample ID: 240-152946-1

Matrix: Water Lab File ID: UX997010.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:21

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 15:09

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.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37A-071521 Lab Sample ID: 240-152946-1

Matrix: Water Lab File ID: UX997010.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:21

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 15:09

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.: 495770 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	100		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		75-130
2037-26-5	Toluene-d8 (Surr)	99		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37A-071521 Lab Sample ID: 240-152946-1

Matrix: Water Lab File ID: UX997010.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:21

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 15:09

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.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37A-071521 Lab Sample ID: 240-152946-1

Matrix: Water Lab File ID: UX997010.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:21

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 15:09

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.: 495770 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\A3UX9\20210720-111393.b\UX997010.D
Lims ID: 240-152946-B-1
Client ID: MSA-SW37A-071521
Sample Type: Client
Inject. Date: 20-Jul-2021 15:09:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111393-015
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Jul-2021 20:47:37 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: bosworthh Date: 21-Jul-2021 09:07:00

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.878	5.879	-0.001	99	611228	20.0	
*	2 Chlorobenzene-d5	117	8.575	8.577	-0.002	86	516460	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.812	10.813	-0.001	96	267000	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.298	5.288	0.010	92	165992	16.4	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.582	5.584	-0.002	99	194326	16.8	
$	6 Toluene-d8 (Surr)	98	7.250	7.252	-0.002	93	723636	16.2	
$	7 4-Bromofluorobenzene (Surr)	95	9.676	9.678	-0.002	91	273902	16.2	
	9 Dichlorodifluoromethane	85		1.773				ND	
	10 Chloromethane	50		1.963				ND	
	11 Vinyl chloride	62		2.093				ND	
	13 Bromomethane	94		2.436				ND	
	15 Chloroethane	64		2.554				ND	
	17 Trichlorofluoromethane	101		2.827				ND	
	24 1,1-Dichloroethene	61		3.324				ND	
	22 112TCTFE	101		3.335				ND	
	23 Acetone	58		3.359				ND	
	26 Carbon disulfide	76		3.548				ND	
	30 Methylene Chloride	49		3.761				ND	
	31 2-Methyl-2-propanol	59		3.856				ND	
	33 Methyl tert-butyl ether	73		4.022				ND	
	34 trans-1,2-Dichloroethene	61		4.022				ND	
	36 1,1-Dichloroethane	63		4.389				ND	
	37 Vinyl acetate	43		4.424				ND	
	38 Isopropyl ether	87		4.447				ND	
	40 Tert-butyl ethyl ether	59		4.755				ND	
	41 2-Butanone (MEK)	72		4.886				ND	
	42 2,2-Dichloropropane	77		4.897				ND	
	43 cis-1,2-Dichloroethene	96		4.897				ND	
	47 Chlorobromomethane	49		5.099				ND	
	49 Chloroform	83		5.158				ND	
	50 1,1,1-Trichloroethane	97		5.335				ND	
	52 1,1-Dichloropropene	75		5.477				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
53 Carbon tetrachloride	117		5.489				ND	
56 1,2-Dichloroethane	62		5.655				ND	
55 Benzene	78		5.655				ND	7
57 Tert-amyl methyl ether	73		5.725				ND	
60 Trichloroethene	130		6.199				ND	
63 1,2-Dichloropropane	63		6.388				ND	
66 Dibromomethane	174		6.495				ND	
67 Dichlorobromomethane	83		6.613				ND	
69 2-Chloroethyl vinyl ether	63		6.850				ND	
71 cis-1,3-Dichloropropene	75		7.004				ND	
72 4-Methyl-2-pentanone (MIBK)	43		7.122				ND	
73 Toluene	91	7.309	7.311	-0.002	96	7167	0.1371	
74 trans-1,3-Dichloropropene	75		7.489				ND	
77 1,3-Dichloropropane	76		7.808				ND	
78 Tetrachloroethene	166		7.820				ND	
80 2-Hexanone	43		7.867				ND	
82 Chlorodibromomethane	129		8.021				ND	
83 Ethylene Dibromide	107		8.151				ND	
85 Chlorobenzene	112		8.601				ND	
86 1,1,1,2-Tetrachloroethane	131		8.672				ND	
87 Ethylbenzene	106		8.696				ND	7
88 m-Xylene & p-Xylene	106	8.800	8.802	-0.002	93	6012	0.2412	
89 o-Xylene	106		9.181				ND	
90 Styrene	104		9.193				ND	
91 Bromoform	173		9.370				ND	
92 Isopropylbenzene	105		9.536				ND	
94 1,1,2,2-Tetrachloroethane	83		9.796				ND	
95 Bromobenzene	156		9.843				ND	
97 1,2,3-Trichloropropane	110		9.855				ND	
98 N-Propylbenzene	120		9.926				ND	
100 2-Chlorotoluene	126		10.021				ND	
102 4-Chlorotoluene	126		10.127				ND	
104 tert-Butylbenzene	119		10.423				ND	
106 1,2,4-Trimethylbenzene	105		10.459				ND	
107 sec-Butylbenzene	134		10.636				ND	
108 1,3-Dichlorobenzene	146		10.755				ND	
109 4-Isopropyltoluene	119		10.778				ND	
110 1,4-Dichlorobenzene	146		10.837				ND	
111 1,2,3-Trimethylbenzene	105		10.884				ND	
113 n-Butylbenzene	91		11.181				ND	
114 1,2-Dichlorobenzene	146		11.216				ND	
115 1,2-Dibromo-3-Chloropropane	157		11.973				ND	
117 1,2,4-Trichlorobenzene	180		12.825				ND	
118 Hexachlorobutadiene	225		13.003				ND	
119 Naphthalene	128		13.086				ND	
120 1,2,3-Trichlorobenzene	180		13.358				ND	
S 131 Xylenes, Total	106				0		0.2412	
T 157 Chlorodifluoromethane TIC	51		2.413				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm40mL_vials_00016	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	1.63	Units: uL	Run Reagent

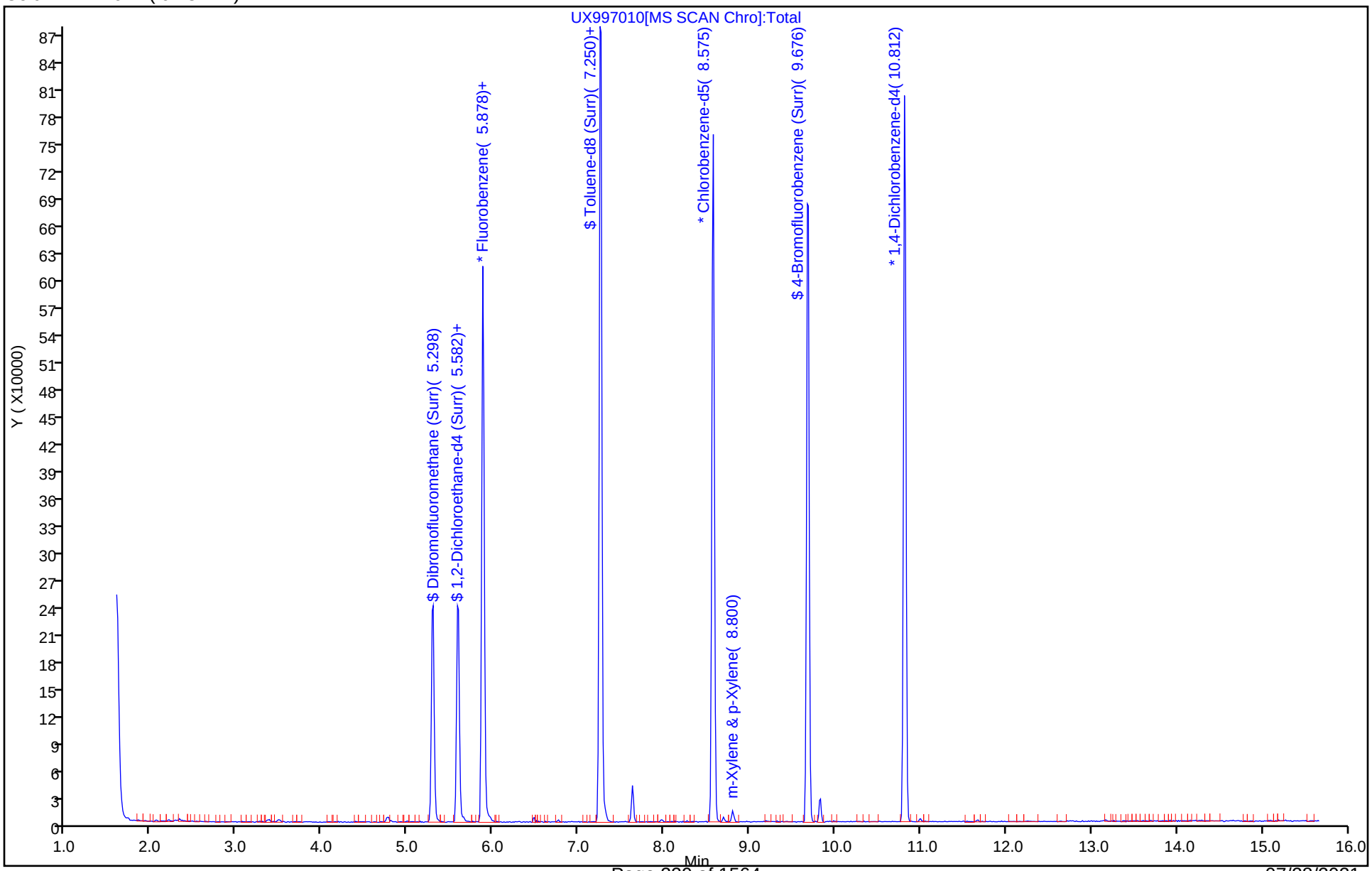
Report Date: 21-Jul-2021 09:07:00 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\UX997010.D

Injection Date:	20-Jul-2021 15:09:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	240-152946-B-1	Lab Sample ID:	240-152946-1	Worklist Smp#:	15
Client ID:	MSA-SW37A-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\UX997010.D
Lims ID: 240-152946-B-1
Client ID: MSA-SW37A-071521
Sample Type: Client
Inject. Date: 20-Jul-2021 15:09:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111393-015
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Jul-2021 20:47:37 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: bosworthh Date: 21-Jul-2021 09:07:00

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	16.3	16.4	100.12
$ 5 1,2-Dichloroethane-d4 (Surr)	16.3	16.8	102.74
$ 6 Toluene-d8 (Surr)	16.3	16.2	99.10
$ 7 4-Bromofluorobenzene (Surr)	16.3	16.2	99.43

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37B-071521 Lab Sample ID: 240-152946-2

Matrix: Water Lab File ID: UX997011.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:23

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 15:32

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37B-071521 Lab Sample ID: 240-152946-2

Matrix: Water Lab File ID: UX997011.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:23

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 15:32

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37B-071521 Lab Sample ID: 240-152946-2

Matrix: Water Lab File ID: UX997011.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:23

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 15:32

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 495770 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	100		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		75-130
2037-26-5	Toluene-d8 (Surr)	100		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37B-071521 Lab Sample ID: 240-152946-2

Matrix: Water Lab File ID: UX997011.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:23

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 15:32

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37B-071521 Lab Sample ID: 240-152946-2

Matrix: Water Lab File ID: UX997011.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:23

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 15:32

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 495770 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\A3UX9\20210720-111393.b\UX997011.D
Lims ID: 240-152946-B-2
Client ID: MSA-SW37B-071521
Sample Type: Client
Inject. Date: 20-Jul-2021 15:32:30 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111393-016
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Jul-2021 20:47:37 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: bosworthh Date: 21-Jul-2021 09:07:38

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.877	5.879	-0.002	99	600745	20.0	
*	2 Chlorobenzene-d5	117	8.575	8.577	-0.002	87	501236	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.823	10.813	0.010	96	266800	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.297	5.288	0.009	92	162141	16.2	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.593	5.584	0.009	99	187848	16.5	
$	6 Toluene-d8 (Surr)	98	7.261	7.252	0.009	93	706859	16.3	
$	7 4-Bromofluorobenzene (Surr)	95	9.687	9.678	0.009	92	274239	16.8	
	9 Dichlorodifluoromethane	85		1.773				ND	
	10 Chloromethane	50		1.963				ND	
	11 Vinyl chloride	62		2.093				ND	
	13 Bromomethane	94		2.436				ND	
	15 Chloroethane	64		2.554				ND	
	17 Trichlorofluoromethane	101		2.827				ND	
	24 1,1-Dichloroethene	61		3.324				ND	
	22 112TCTFE	101		3.335				ND	
	23 Acetone	58	3.368	3.359	0.009	93	779	0.5053	
	26 Carbon disulfide	76		3.548				ND	
	30 Methylene Chloride	49		3.761				ND	
	31 2-Methyl-2-propanol	59		3.856				ND	
	33 Methyl tert-butyl ether	73		4.022				ND	
	34 trans-1,2-Dichloroethene	61		4.022				ND	
	36 1,1-Dichloroethane	63		4.389				ND	
	37 Vinyl acetate	43		4.424				ND	
	38 Isopropyl ether	87		4.447				ND	
	40 Tert-butyl ethyl ether	59		4.755				ND	
	41 2-Butanone (MEK)	72		4.886				ND	
	42 2,2-Dichloropropane	77		4.897				ND	
	43 cis-1,2-Dichloroethene	96		4.897				ND	
	47 Chlorobromomethane	49		5.099				ND	
	49 Chloroform	83		5.158				ND	
	50 1,1,1-Trichloroethane	97		5.335				ND	
	52 1,1-Dichloropropene	75		5.477				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
53 Carbon tetrachloride	117		5.489				ND	
56 1,2-Dichloroethane	62		5.655				ND	
55 Benzene	78		5.655				ND	
57 Tert-amyl methyl ether	73		5.725				ND	
60 Trichloroethene	130		6.199				ND	
63 1,2-Dichloropropane	63		6.388				ND	
66 Dibromomethane	174		6.495				ND	
67 Dichlorobromomethane	83		6.613				ND	
69 2-Chloroethyl vinyl ether	63		6.850				ND	
71 cis-1,3-Dichloropropene	75		7.004				ND	
72 4-Methyl-2-pentanone (MIBK)	43		7.122				ND	
73 Toluene	91	7.321	7.311	0.010	92	6722	0.1325	
74 trans-1,3-Dichloropropene	75		7.489				ND	
77 1,3-Dichloropropane	76		7.808				ND	
78 Tetrachloroethene	166		7.820				ND	
80 2-Hexanone	43		7.867				ND	
82 Chlorodibromomethane	129		8.021				ND	
83 Ethylene Dibromide	107		8.151				ND	
85 Chlorobenzene	112		8.601				ND	
86 1,1,1,2-Tetrachloroethane	131		8.672				ND	
87 Ethylbenzene	106	8.693	8.696	-0.003	91	1800	0.0924	
88 m-Xylene & p-Xylene	106	8.812	8.802	0.010	93	5405	0.2234	
89 o-Xylene	106		9.181				ND	
90 Styrene	104		9.193				ND	
91 Bromoform	173		9.370				ND	
92 Isopropylbenzene	105		9.536				ND	
94 1,1,2,2-Tetrachloroethane	83		9.796				ND	
95 Bromobenzene	156		9.843				ND	
97 1,2,3-Trichloropropane	110		9.855				ND	
98 N-Propylbenzene	120		9.926				ND	
100 2-Chlorotoluene	126		10.021				ND	
102 4-Chlorotoluene	126		10.127				ND	
104 tert-Butylbenzene	119		10.423				ND	
106 1,2,4-Trimethylbenzene	105		10.459				ND	
107 sec-Butylbenzene	134		10.636				ND	
108 1,3-Dichlorobenzene	146		10.755				ND	
109 4-Isopropyltoluene	119		10.778				ND	
110 1,4-Dichlorobenzene	146		10.837				ND	
111 1,2,3-Trimethylbenzene	105		10.884				ND	
113 n-Butylbenzene	91		11.181				ND	
114 1,2-Dichlorobenzene	146		11.216				ND	
115 1,2-Dibromo-3-Chloropropane	157		11.973				ND	
117 1,2,4-Trichlorobenzene	180		12.825				ND	
118 Hexachlorobutadiene	225		13.003				ND	
119 Naphthalene	128		13.086				ND	
120 1,2,3-Trichlorobenzene	180		13.358				ND	
S 131 Xylenes, Total	106				0		0.2234	
T 157 Chlorodifluoromethane TIC	51		2.413				ND	

QC Flag Legend

Processing Flags

Reagents:

vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm40mL_vials_00016	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	1.63	Units: uL	Run Reagent

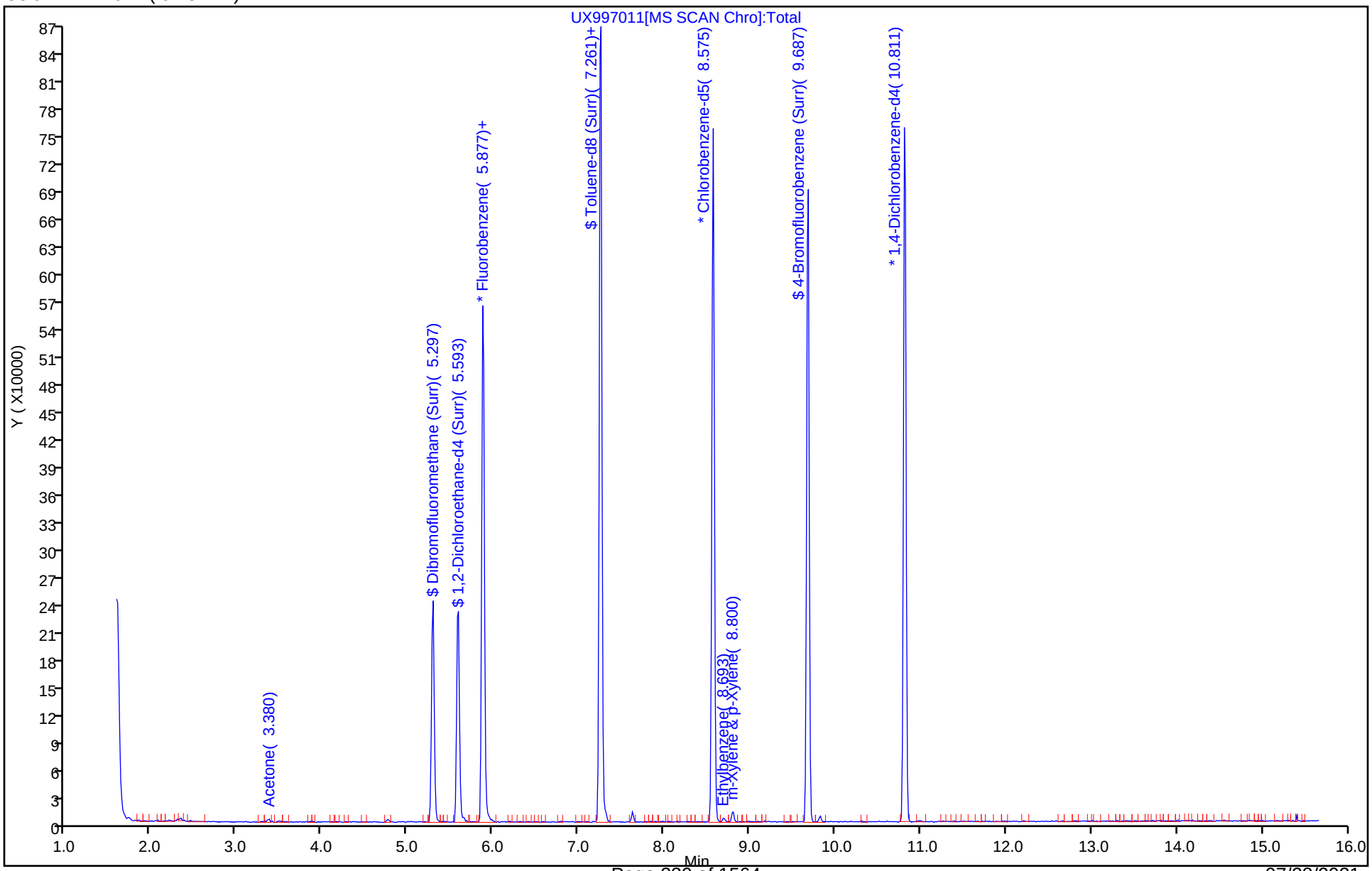
Report Date: 21-Jul-2021 09:07:39 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\UX997011.D

Injection Date:	20-Jul-2021 15:32:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	240-152946-B-2	Lab Sample ID:	240-152946-2	Worklist Smp#:	16
Client ID:	MSA-SW37B-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\UX997011.D
Lims ID: 240-152946-B-2
Client ID: MSA-SW37B-071521
Sample Type: Client
Inject. Date: 20-Jul-2021 15:32:30 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111393-016
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Jul-2021 20:47:37 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: bosworthh Date: 21-Jul-2021 09:07:38

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	16.3	16.2	99.51
$ 5 1,2-Dichloroethane-d4 (Surr)	16.3	16.5	101.05
$ 6 Toluene-d8 (Surr)	16.3	16.3	99.75
$ 7 4-Bromofluorobenzene (Surr)	16.3	16.8	102.57

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37C-071521 Lab Sample ID: 240-152946-3

Matrix: Water Lab File ID: UX997012.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:26

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 15:55

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37C-071521 Lab Sample ID: 240-152946-3

Matrix: Water Lab File ID: UX997012.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:26

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 15:55

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37C-071521 Lab Sample ID: 240-152946-3

Matrix: Water Lab File ID: UX997012.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:26

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 15:55

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 495770 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	98		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		75-130
2037-26-5	Toluene-d8 (Surr)	99		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37C-071521 Lab Sample ID: 240-152946-3

Matrix: Water Lab File ID: UX997012.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:26

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 15:55

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37C-071521 Lab Sample ID: 240-152946-3

Matrix: Water Lab File ID: UX997012.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:26

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 15:55

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 495770 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\A3UX9\20210720-111393.b\UX997012.D
Lims ID: 240-152946-B-3
Client ID: MSA-SW37C-071521
Sample Type: Client
Inject. Date: 20-Jul-2021 15:55:30 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111393-017
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Jul-2021 20:47:37 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: bosworthh Date: 21-Jul-2021 09:08:23

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.878	5.879	-0.001	98	591580	20.0	
*	2 Chlorobenzene-d5	117	8.576	8.577	-0.001	86	503209	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.812	10.813	-0.001	95	257356	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.298	5.288	0.010	92	157839	16.1	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.582	5.584	-0.002	99	189518	16.9	
$	6 Toluene-d8 (Surr)	98	7.250	7.252	-0.002	94	701330	16.1	
$	7 4-Bromofluorobenzene (Surr)	95	9.676	9.678	-0.002	90	267630	16.3	
	9 Dichlorodifluoromethane	85		1.773				ND	
	10 Chloromethane	50		1.963				ND	
	11 Vinyl chloride	62		2.093				ND	
	13 Bromomethane	94		2.436				ND	
	15 Chloroethane	64		2.554				ND	
	17 Trichlorofluoromethane	101		2.827				ND	
	24 1,1-Dichloroethene	61		3.324				ND	
	22 112TCTFE	101		3.335				ND	
	23 Acetone	58		3.359				ND	
	26 Carbon disulfide	76		3.548				ND	
	30 Methylene Chloride	49		3.761				ND	
	31 2-Methyl-2-propanol	59		3.856				ND	
	33 Methyl tert-butyl ether	73		4.022				ND	
	34 trans-1,2-Dichloroethene	61		4.022				ND	
	36 1,1-Dichloroethane	63		4.389				ND	
	37 Vinyl acetate	43		4.424				ND	
	38 Isopropyl ether	87		4.447				ND	
	40 Tert-butyl ethyl ether	59		4.755				ND	
	41 2-Butanone (MEK)	72		4.886				ND	
	42 2,2-Dichloropropane	77		4.897				ND	
	43 cis-1,2-Dichloroethene	96		4.897				ND	
	47 Chlorobromomethane	49		5.099				ND	
	49 Chloroform	83		5.158				ND	
	50 1,1,1-Trichloroethane	97		5.335				ND	
	52 1,1-Dichloropropene	75		5.477				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
53 Carbon tetrachloride	117		5.489				ND	
56 1,2-Dichloroethane	62		5.655				ND	
55 Benzene	78		5.655				ND	7
57 Tert-amyl methyl ether	73		5.725				ND	
60 Trichloroethene	130		6.199				ND	
63 1,2-Dichloropropane	63		6.388				ND	
66 Dibromomethane	174		6.495				ND	
67 Dichlorobromomethane	83		6.613				ND	
69 2-Chloroethyl vinyl ether	63		6.850				ND	
71 cis-1,3-Dichloropropene	75		7.004				ND	
72 4-Methyl-2-pentanone (MIBK)	43		7.122				ND	
73 Toluene	91	7.321	7.311	0.010	96	9026	0.1772	
74 trans-1,3-Dichloropropene	75		7.489				ND	
77 1,3-Dichloropropane	76		7.808				ND	
78 Tetrachloroethene	166		7.820				ND	
80 2-Hexanone	43		7.867				ND	
82 Chlorodibromomethane	129		8.021				ND	
83 Ethylene Dibromide	107		8.151				ND	
85 Chlorobenzene	112		8.601				ND	
86 1,1,1,2-Tetrachloroethane	131		8.672				ND	
87 Ethylbenzene	106		8.696				ND	7
88 m-Xylene & p-Xylene	106	8.789	8.802	-0.013	93	5336	0.2197	
89 o-Xylene	106		9.181				ND	
90 Styrene	104		9.193				ND	
91 Bromoform	173		9.370				ND	
92 Isopropylbenzene	105		9.536				ND	
94 1,1,2,2-Tetrachloroethane	83		9.796				ND	
95 Bromobenzene	156		9.843				ND	
97 1,2,3-Trichloropropane	110		9.855				ND	
98 N-Propylbenzene	120		9.926				ND	
100 2-Chlorotoluene	126		10.021				ND	
102 4-Chlorotoluene	126		10.127				ND	
104 tert-Butylbenzene	119		10.423				ND	
106 1,2,4-Trimethylbenzene	105		10.459				ND	
107 sec-Butylbenzene	134		10.636				ND	
108 1,3-Dichlorobenzene	146		10.755				ND	
109 4-Isopropyltoluene	119		10.778				ND	
110 1,4-Dichlorobenzene	146		10.837				ND	
111 1,2,3-Trimethylbenzene	105		10.884				ND	
113 n-Butylbenzene	91		11.181				ND	
114 1,2-Dichlorobenzene	146		11.216				ND	
115 1,2-Dibromo-3-Chloropropane	157		11.973				ND	
117 1,2,4-Trichlorobenzene	180		12.825				ND	
118 Hexachlorobutadiene	225		13.003				ND	
119 Naphthalene	128		13.086				ND	
120 1,2,3-Trichlorobenzene	180		13.358				ND	
S 131 Xylenes, Total	106				0		0.2197	
T 157 Chlorodifluoromethane TIC	51		2.413				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm40mL_vials_00016	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	1.63	Units: uL	Run Reagent

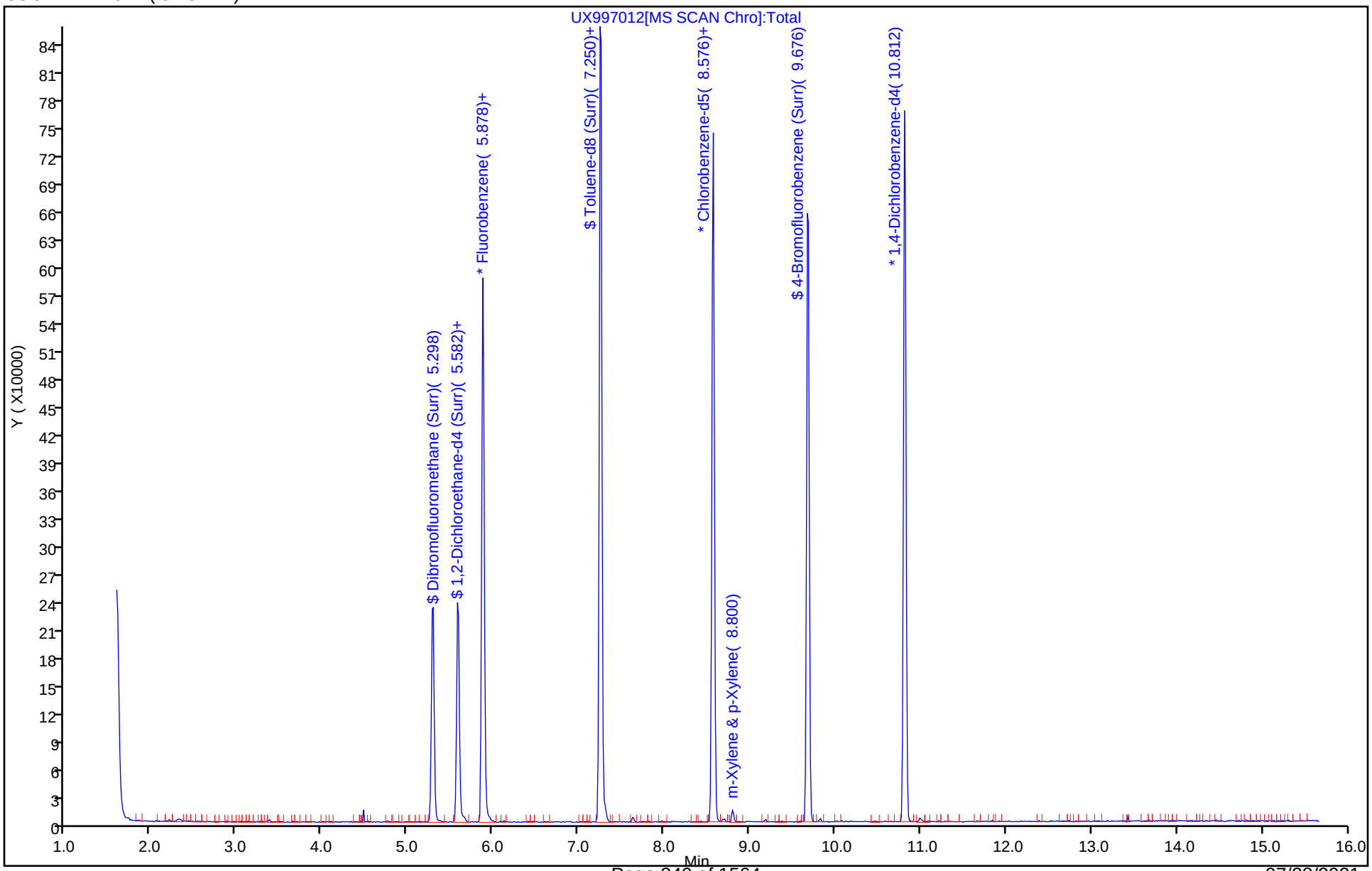
Report Date: 21-Jul-2021 09:08:23 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\UX997012.D

Injection Date:	20-Jul-2021 15:55:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	240-152946-B-3	Lab Sample ID:	240-152946-3	Worklist Smp#:	17
Client ID:	MSA-SW37C-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\UX997012.D
Lims ID: 240-152946-B-3
Client ID: MSA-SW37C-071521
Sample Type: Client
Inject. Date: 20-Jul-2021 15:55:30 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111393-017
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Jul-2021 20:47:37 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: bosworthh Date: 21-Jul-2021 09:08:23

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	16.3	16.1	98.37
$ 5 1,2-Dichloroethane-d4 (Surr)	16.3	16.9	103.53
$ 6 Toluene-d8 (Surr)	16.3	16.1	98.58
$ 7 4-Bromofluorobenzene (Surr)	16.3	16.3	99.71

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37D-071521 Lab Sample ID: 240-152946-4

Matrix: Water Lab File ID: UX997013.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:28

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 16:18

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.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37D-071521 Lab Sample ID: 240-152946-4

Matrix: Water Lab File ID: UX997013.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:28

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 16:18

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.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37D-071521 Lab Sample ID: 240-152946-4

Matrix: Water Lab File ID: UX997013.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:28

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 16:18

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.: 495770 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	95		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		75-130
2037-26-5	Toluene-d8 (Surr)	99		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37D-071521 Lab Sample ID: 240-152946-4

Matrix: Water Lab File ID: UX997013.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:28

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 16:18

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.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37D-071521 Lab Sample ID: 240-152946-4

Matrix: Water Lab File ID: UX997013.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:28

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 16:18

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.: 495770 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\A3UX9\20210720-111393.b\UX997013.D
Lims ID: 240-152946-B-4
Client ID: MSA-SW37D-071521
Sample Type: Client
Inject. Date: 20-Jul-2021 16:18:30 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111393-018
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Jul-2021 20:47:37 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: bosworthh Date: 21-Jul-2021 09:09:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.880	5.879	0.001	99	597591	20.0	
* 2 Chlorobenzene-d5	117	8.578	8.577	0.001	86	498458	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.814	10.813	0.001	96	258094	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.288	5.288	0.000	92	154551	15.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.584	5.584	0.000	100	187706	16.6	
$ 6 Toluene-d8 (Surr)	98	7.252	7.252	0.000	94	698970	16.2	
$ 7 4-Bromofluorobenzene (Surr)	95	9.678	9.678	0.000	90	268729	16.5	
9 Dichlorodifluoromethane	85		1.773				ND	
10 Chloromethane	50		1.963				ND	
11 Vinyl chloride	62		2.093				ND	
13 Bromomethane	94		2.436				ND	
15 Chloroethane	64		2.554				ND	
17 Trichlorofluoromethane	101		2.827				ND	
24 1,1-Dichloroethene	61		3.324				ND	
22 112TCTFE	101		3.335				ND	
23 Acetone	58	3.383	3.359	0.024	97	1422	0.9272	
26 Carbon disulfide	76		3.548				ND	
30 Methylene Chloride	49		3.761				ND	
31 2-Methyl-2-propanol	59		3.856				ND	
33 Methyl tert-butyl ether	73		4.022				ND	
34 trans-1,2-Dichloroethene	61		4.022				ND	
36 1,1-Dichloroethane	63		4.389				ND	
37 Vinyl acetate	43		4.424				ND	
38 Isopropyl ether	87		4.447				ND	
40 Tert-butyl ethyl ether	59		4.755				ND	
41 2-Butanone (MEK)	72		4.886				ND	
42 2,2-Dichloropropane	77		4.897				ND	
43 cis-1,2-Dichloroethene	96		4.897				ND	
47 Chlorobromomethane	49		5.099				ND	
49 Chloroform	83		5.158				ND	
50 1,1,1-Trichloroethane	97		5.335				ND	
52 1,1-Dichloropropene	75		5.477				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
53 Carbon tetrachloride	117		5.489				ND	
56 1,2-Dichloroethane	62		5.655				ND	
55 Benzene	78		5.655				ND	
57 Tert-amyl methyl ether	73		5.725				ND	
60 Trichloroethene	130		6.199				ND	
63 1,2-Dichloropropane	63		6.388				ND	
66 Dibromomethane	174		6.495				ND	
67 Dichlorobromomethane	83		6.613				ND	
69 2-Chloroethyl vinyl ether	63		6.850				ND	
71 cis-1,3-Dichloropropene	75		7.004				ND	
72 4-Methyl-2-pentanone (MIBK)	43		7.122				ND	
73 Toluene	91	7.323	7.311	0.012	96	6324	0.1253	
74 trans-1,3-Dichloropropene	75		7.489				ND	
77 1,3-Dichloropropane	76		7.808				ND	
78 Tetrachloroethene	166		7.820				ND	
80 2-Hexanone	43		7.867				ND	
82 Chlorodibromomethane	129		8.021				ND	
83 Ethylene Dibromide	107		8.151				ND	
85 Chlorobenzene	112		8.601				ND	
86 1,1,1,2-Tetrachloroethane	131		8.672				ND	
87 Ethylbenzene	106		8.696				ND	
88 m-Xylene & p-Xylene	106	8.803	8.802	0.001	93	4109	0.1708	
89 o-Xylene	106		9.181				ND	
90 Styrene	104		9.193				ND	
91 Bromoform	173		9.370				ND	
92 Isopropylbenzene	105		9.536				ND	
94 1,1,2,2-Tetrachloroethane	83		9.796				ND	
95 Bromobenzene	156		9.843				ND	
97 1,2,3-Trichloropropane	110		9.855				ND	
98 N-Propylbenzene	120		9.926				ND	
100 2-Chlorotoluene	126		10.021				ND	
102 4-Chlorotoluene	126		10.127				ND	
104 tert-Butylbenzene	119		10.423				ND	
106 1,2,4-Trimethylbenzene	105		10.459				ND	
107 sec-Butylbenzene	134		10.636				ND	
108 1,3-Dichlorobenzene	146		10.755				ND	
109 4-Isopropyltoluene	119		10.778				ND	
110 1,4-Dichlorobenzene	146		10.837				ND	
111 1,2,3-Trimethylbenzene	105		10.884				ND	
113 n-Butylbenzene	91		11.181				ND	
114 1,2-Dichlorobenzene	146		11.216				ND	
115 1,2-Dibromo-3-Chloropropane	157		11.973				ND	
117 1,2,4-Trichlorobenzene	180		12.825				ND	
118 Hexachlorobutadiene	225		13.003				ND	
119 Naphthalene	128		13.086				ND	
120 1,2,3-Trichlorobenzene	180		13.358				ND	
S 131 Xylenes, Total	106				0		0.1708	
T 157 Chlorodifluoromethane TIC	51		2.413				ND	

QC Flag Legend

Processing Flags

Reagents:

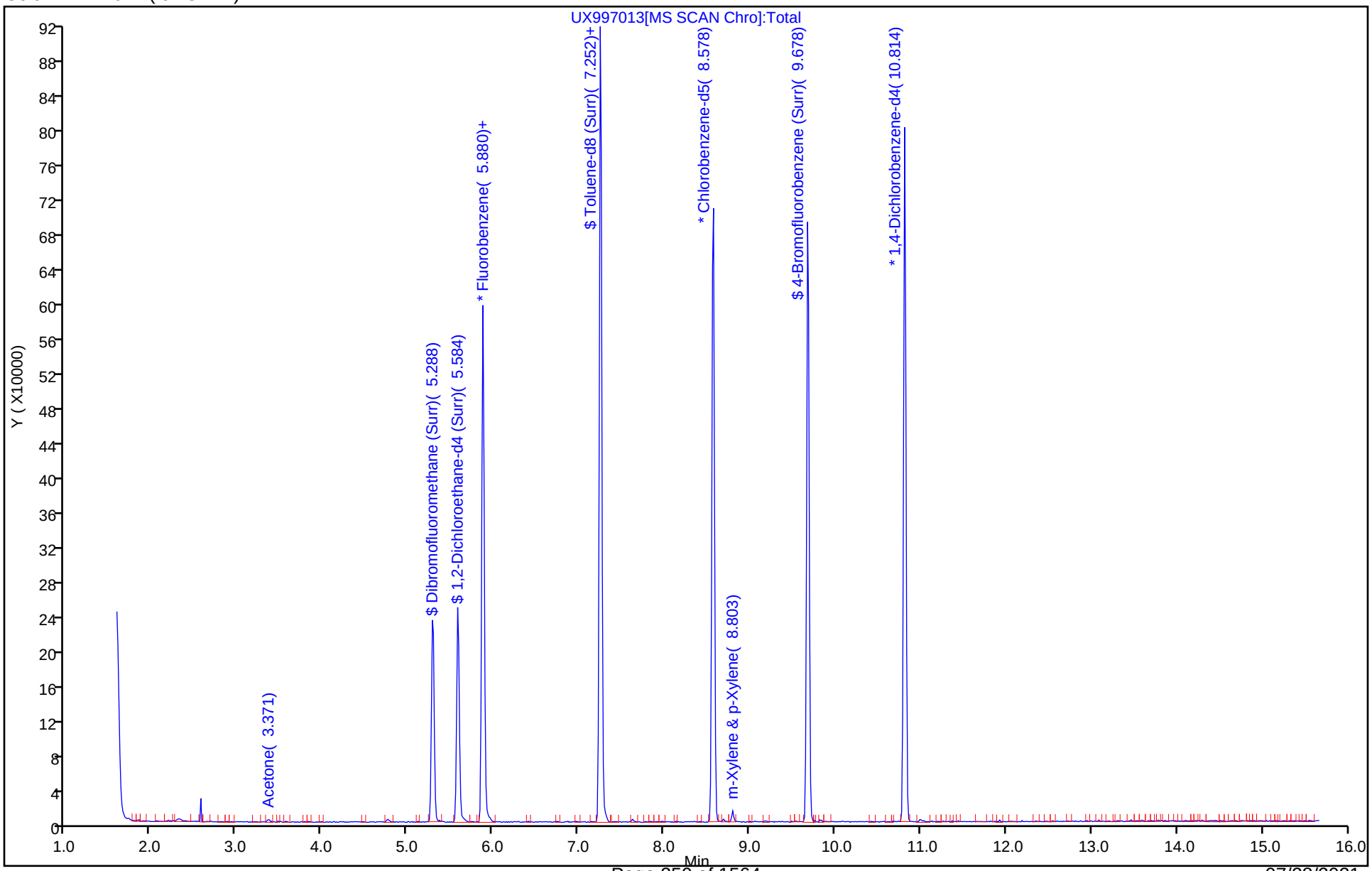
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm40mL_vials_00016	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	1.63	Units: uL	Run Reagent

Report Date: 21-Jul-2021 09:09:04 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\UX997013.D				
Injection Date:	20-Jul-2021 16:18:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	240-152946-B-4	Lab Sample ID:	240-152946-4	Worklist Smp#:	18
Client ID:	MSA-SW37D-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\UX997013.D
Lims ID: 240-152946-B-4
Client ID: MSA-SW37D-071521
Sample Type: Client
Inject. Date: 20-Jul-2021 16:18:30 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111393-018
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Jul-2021 20:47:37 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: bosworthh Date: 21-Jul-2021 09:09:03

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	16.3	15.6	95.35
$ 5 1,2-Dichloroethane-d4 (Surr)	16.3	16.6	101.51
$ 6 Toluene-d8 (Surr)	16.3	16.2	99.18
$ 7 4-Bromofluorobenzene (Surr)	16.3	16.5	101.07

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38A-071521 Lab Sample ID: 240-152946-5

Matrix: Water Lab File ID: UX997014.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:34

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 16:41

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.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38A-071521 Lab Sample ID: 240-152946-5

Matrix: Water Lab File ID: UX997014.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:34

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 16:41

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.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38A-071521 Lab Sample ID: 240-152946-5

Matrix: Water Lab File ID: UX997014.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:34

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 16:41

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.: 495770 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	94		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		75-130
2037-26-5	Toluene-d8 (Surr)	96		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38A-071521 Lab Sample ID: 240-152946-5

Matrix: Water Lab File ID: UX997014.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:34

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 16:41

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.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38A-071521 Lab Sample ID: 240-152946-5

Matrix: Water Lab File ID: UX997014.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:34

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 16:41

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.: 495770 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\A3UX9\20210720-111393.b\UX997014.D
Lims ID: 240-152946-B-5
Client ID: MSA-SW38A-071521
Sample Type: Client
Inject. Date: 20-Jul-2021 16:41:30 ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111393-019
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Jul-2021 20:47:37 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: bosworthh Date: 21-Jul-2021 09:09:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.877	5.879	-0.002	99	603269	20.0	
* 2 Chlorobenzene-d5	117	8.575	8.577	-0.002	87	511173	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.823	10.813	0.010	95	268652	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.297	5.288	0.009	92	153324	15.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.593	5.584	0.009	98	183668	16.1	
$ 6 Toluene-d8 (Surr)	98	7.261	7.252	0.009	93	694593	15.7	
$ 7 4-Bromofluorobenzene (Surr)	95	9.687	9.678	0.009	92	263554	15.8	
9 Dichlorodifluoromethane	85		1.773				ND	
10 Chloromethane	50		1.963				ND	
11 Vinyl chloride	62		2.093				ND	
13 Bromomethane	94		2.436				ND	
15 Chloroethane	64		2.554				ND	
17 Trichlorofluoromethane	101		2.827				ND	
24 1,1-Dichloroethene	61		3.324				ND	
22 112TCTFE	101		3.335				ND	
23 Acetone	58	3.368	3.359	0.009	99	1348	0.8707	
26 Carbon disulfide	76		3.548				ND	
30 Methylene Chloride	49		3.761				ND	
31 2-Methyl-2-propanol	59		3.856				ND	
33 Methyl tert-butyl ether	73		4.022				ND	
34 trans-1,2-Dichloroethene	61		4.022				ND	
36 1,1-Dichloroethane	63		4.389				ND	
37 Vinyl acetate	43		4.424				ND	
38 Isopropyl ether	87		4.447				ND	
40 Tert-butyl ethyl ether	59		4.755				ND	
41 2-Butanone (MEK)	72		4.886				ND	
42 2,2-Dichloropropane	77		4.897				ND	
43 cis-1,2-Dichloroethene	96		4.897				ND	
47 Chlorobromomethane	49		5.099				ND	
49 Chloroform	83		5.158				ND	
50 1,1,1-Trichloroethane	97		5.335				ND	
52 1,1-Dichloropropene	75		5.477				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
53 Carbon tetrachloride	117		5.489				ND	
56 1,2-Dichloroethane	62		5.655				ND	
55 Benzene	78		5.655				ND	
57 Tert-amyl methyl ether	73		5.725				ND	
60 Trichloroethene	130		6.199				ND	
63 1,2-Dichloropropane	63		6.388				ND	
66 Dibromomethane	174		6.495				ND	
67 Dichlorobromomethane	83		6.613				ND	
69 2-Chloroethyl vinyl ether	63		6.850				ND	
71 cis-1,3-Dichloropropene	75		7.004				ND	
72 4-Methyl-2-pentanone (MIBK)	43		7.122				ND	
73 Toluene	91	7.320	7.311	0.009	95	5628	0.1087	
74 trans-1,3-Dichloropropene	75		7.489				ND	
77 1,3-Dichloropropane	76		7.808				ND	
78 Tetrachloroethene	166		7.820				ND	
80 2-Hexanone	43		7.867				ND	
82 Chlorodibromomethane	129		8.021				ND	
83 Ethylene Dibromide	107		8.151				ND	
85 Chlorobenzene	112		8.601				ND	
86 1,1,1,2-Tetrachloroethane	131		8.672				ND	
87 Ethylbenzene	106		8.696				ND	
88 m-Xylene & p-Xylene	106	8.799	8.802	-0.003	95	3948	0.1600	
89 o-Xylene	106		9.181				ND	
90 Styrene	104		9.193				ND	
91 Bromoform	173		9.370				ND	
92 Isopropylbenzene	105		9.536				ND	
94 1,1,2,2-Tetrachloroethane	83		9.796				ND	
95 Bromobenzene	156		9.843				ND	
97 1,2,3-Trichloropropane	110		9.855				ND	
98 N-Propylbenzene	120		9.926				ND	
100 2-Chlorotoluene	126		10.021				ND	
102 4-Chlorotoluene	126		10.127				ND	
104 tert-Butylbenzene	119		10.423				ND	
106 1,2,4-Trimethylbenzene	105		10.459				ND	
107 sec-Butylbenzene	134		10.636				ND	
108 1,3-Dichlorobenzene	146		10.755				ND	
109 4-Isopropyltoluene	119		10.778				ND	
110 1,4-Dichlorobenzene	146		10.837				ND	
111 1,2,3-Trimethylbenzene	105		10.884				ND	
113 n-Butylbenzene	91		11.181				ND	
114 1,2-Dichlorobenzene	146		11.216				ND	
115 1,2-Dibromo-3-Chloropropane	157		11.973				ND	
117 1,2,4-Trichlorobenzene	180		12.825				ND	
118 Hexachlorobutadiene	225		13.003				ND	
119 Naphthalene	128		13.086				ND	
120 1,2,3-Trichlorobenzene	180		13.358				ND	
S 131 Xylenes, Total	106				0		0.1600	
T 157 Chlorodifluoromethane TIC	51		2.413				ND	

QC Flag Legend

Processing Flags

Reagents:

vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm40mL_vials_00016	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	1.63	Units: uL	Run Reagent

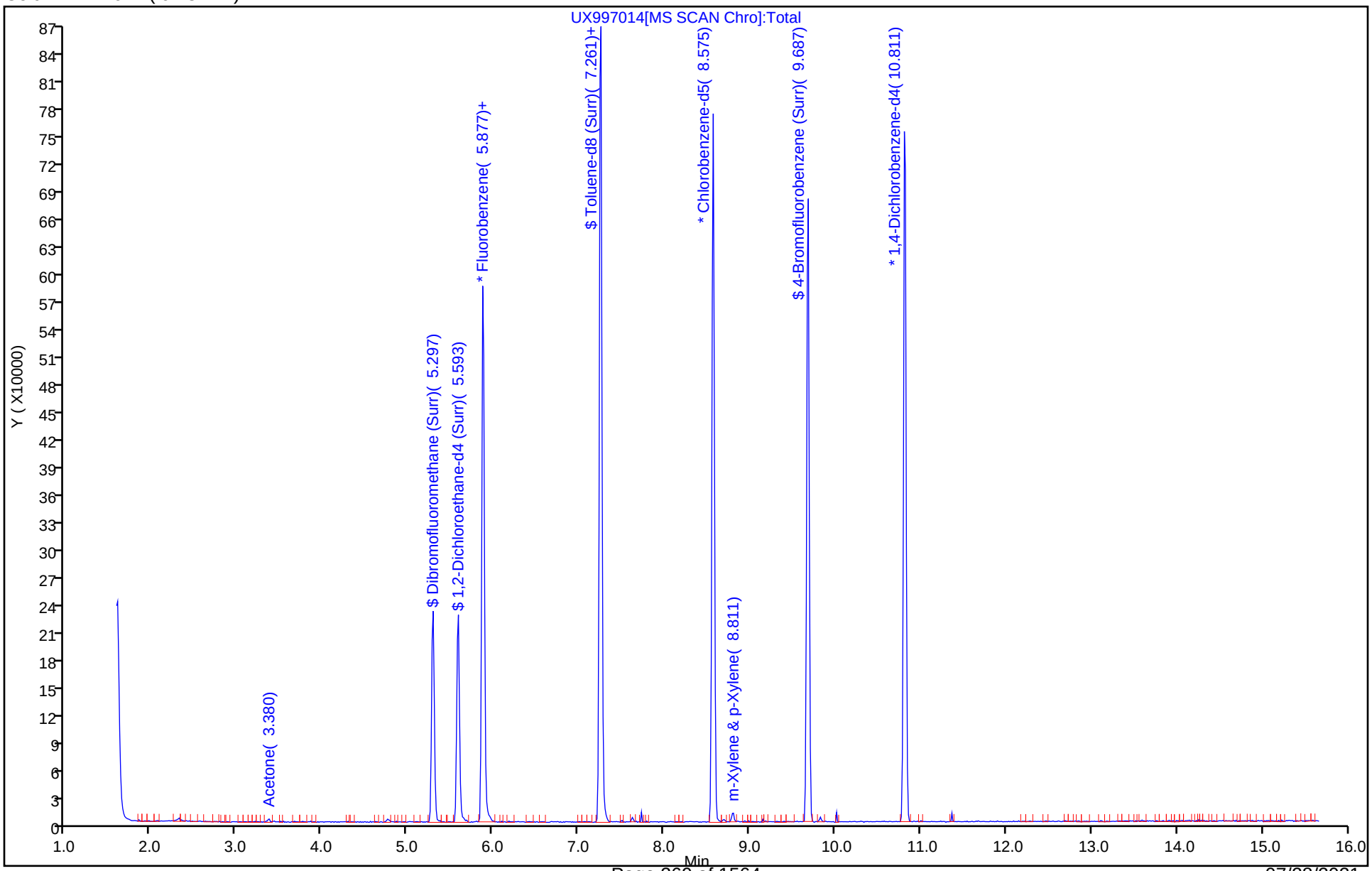
Report Date: 21-Jul-2021 09:09:24 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\UX997014.D

Injection Date:	20-Jul-2021 16:41:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	240-152946-B-5	Lab Sample ID:	240-152946-5	Worklist Smp#:	19
Client ID:	MSA-SW38A-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\UX997014.D
Lims ID: 240-152946-B-5
Client ID: MSA-SW38A-071521
Sample Type: Client
Inject. Date: 20-Jul-2021 16:41:30 ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111393-019
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Jul-2021 20:47:37 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: bosworthh Date: 21-Jul-2021 09:09:24

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	16.3	15.3	93.70
$ 5 1,2-Dichloroethane-d4 (Surr)	16.3	16.1	98.39
$ 6 Toluene-d8 (Surr)	16.3	15.7	96.11
$ 7 4-Bromofluorobenzene (Surr)	16.3	15.8	96.66

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38B-071521 Lab Sample ID: 240-152946-6

Matrix: Water Lab File ID: UX997055.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:36

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 20:19

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.: 495975 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38B-071521 Lab Sample ID: 240-152946-6

Matrix: Water Lab File ID: UX997055.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:36

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 20:19

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.: 495975 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38B-071521 Lab Sample ID: 240-152946-6

Matrix: Water Lab File ID: UX997055.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:36

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 20:19

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.: 495975 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	100		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		75-130
2037-26-5	Toluene-d8 (Surr)	101		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38B-071521 Lab Sample ID: 240-152946-6

Matrix: Water Lab File ID: UX997055.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:36

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 20:19

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.: 495975 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38B-071521 Lab Sample ID: 240-152946-6

Matrix: Water Lab File ID: UX997055.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:36

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 20:19

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.: 495975 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\A3UX9\20210721-111430.b\UX997055.D
Lims ID: 240-152946-B-6
Client ID: MSA-SW38B-071521
Sample Type: Client
Inject. Date: 21-Jul-2021 20:19:30 ALS Bottle#: 27 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111430-027
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Jul-2021 08:32:38 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: bosworthh Date: 22-Jul-2021 08:33:09

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.879	5.880	-0.001	99	672142	20.0	
*	2 Chlorobenzene-d5	117	8.577	8.578	-0.001	86	559922	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.813	10.815	-0.002	95	297877	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.299	5.287	0.012	92	183132	16.4	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.583	5.583	0.000	99	208223	16.3	
$	6 Toluene-d8 (Surr)	98	7.251	7.252	-0.001	93	802539	16.6	
$	7 4-Bromofluorobenzene (Surr)	95	9.677	9.677	0.000	91	307937	16.8	
	9 Dichlorodifluoromethane	85		1.773				ND	
	10 Chloromethane	50		1.962				ND	
	11 Vinyl chloride	62		2.081				ND	
	13 Bromomethane	94		2.436				ND	
	15 Chloroethane	64		2.542				ND	
	17 Trichlorofluoromethane	101		2.814				ND	
	24 1,1-Dichloroethene	61		3.323				ND	
	22 112TCTFE	101		3.335				ND	
	23 Acetone	58	3.370	3.359	0.011	94	1083	0.6279	
	26 Carbon disulfide	76		3.536				ND	
	30 Methylene Chloride	49		3.761				ND	
	31 2-Methyl-2-propanol	59		3.844				ND	
	34 trans-1,2-Dichloroethene	61		4.021				ND	
	33 Methyl tert-butyl ether	73		4.021				ND	
	36 1,1-Dichloroethane	63		4.388				ND	
	37 Vinyl acetate	43		4.424				ND	
	38 Isopropyl ether	87		4.449				ND	
	40 Tert-butyl ethyl ether	59		4.756				ND	
	41 2-Butanone (MEK)	72		4.885				ND	
	43 cis-1,2-Dichloroethene	96		4.885				ND	
	42 2,2-Dichloropropane	77		4.897				ND	
	47 Chlorobromomethane	49		5.086				ND	
	49 Chloroform	83		5.157				ND	
	50 1,1,1-Trichloroethane	97		5.335				ND	
	52 1,1-Dichloropropene	75		5.477				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
53 Carbon tetrachloride	117		5.477				ND	
56 1,2-Dichloroethane	62		5.654				ND	
55 Benzene	78		5.654				ND	
57 Tert-amyl methyl ether	73		5.726				ND	
60 Trichloroethene	130		6.198				ND	
63 1,2-Dichloropropane	63		6.388				ND	
66 Dibromomethane	174		6.494				ND	
67 Dichlorobromomethane	83		6.613				ND	
69 2-Chloroethyl vinyl ether	63		6.849				ND	
71 cis-1,3-Dichloropropene	75		7.003				ND	
72 4-Methyl-2-pentanone (MIBK)	43		7.121				ND	
73 Toluene	91		7.311				ND	7
74 trans-1,3-Dichloropropene	75		7.488				ND	
77 1,3-Dichloropropane	76		7.808				ND	
78 Tetrachloroethene	166		7.820				ND	
80 2-Hexanone	43		7.867				ND	
82 Chlorodibromomethane	129		8.021				ND	
83 Ethylene Dibromide	107		8.151				ND	
85 Chlorobenzene	112		8.601				ND	
86 1,1,1,2-Tetrachloroethane	131		8.672				ND	
87 Ethylbenzene	106		8.695				ND	
88 m-Xylene & p-Xylene	106	8.802	8.802	0.000	96	3151	0.1166	
89 o-Xylene	106		9.180				ND	
90 Styrene	104		9.192				ND	
91 Bromoform	173		9.370				ND	
92 Isopropylbenzene	105		9.535				ND	
94 1,1,2,2-Tetrachloroethane	83		9.796				ND	
95 Bromobenzene	156		9.843				ND	
97 1,2,3-Trichloropropane	110		9.843				ND	
98 N-Propylbenzene	120		9.926				ND	
100 2-Chlorotoluene	126		10.020				ND	
102 4-Chlorotoluene	126		10.127				ND	
104 tert-Butylbenzene	119		10.423				ND	
106 1,2,4-Trimethylbenzene	105		10.470				ND	
107 sec-Butylbenzene	134		10.636				ND	
108 1,3-Dichlorobenzene	146		10.754				ND	
109 4-Isopropyltoluene	119		10.778				ND	
110 1,4-Dichlorobenzene	146		10.837				ND	
111 1,2,3-Trimethylbenzene	105		10.886				ND	
113 n-Butylbenzene	91		11.180				ND	
114 1,2-Dichlorobenzene	146		11.216				ND	
115 1,2-Dibromo-3-Chloropropane	157		11.985				ND	
117 1,2,4-Trichlorobenzene	180		12.825				ND	
118 Hexachlorobutadiene	225		13.002				ND	
119 Naphthalene	128		13.085				ND	
120 1,2,3-Trichlorobenzene	180		13.357				ND	
S 131 Xylenes, Total	106				0		0.1166	
T 157 Chlorodifluoromethane TIC	51		2.413				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm40mL_vials_00016	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	1.63	Units: uL	Run Reagent

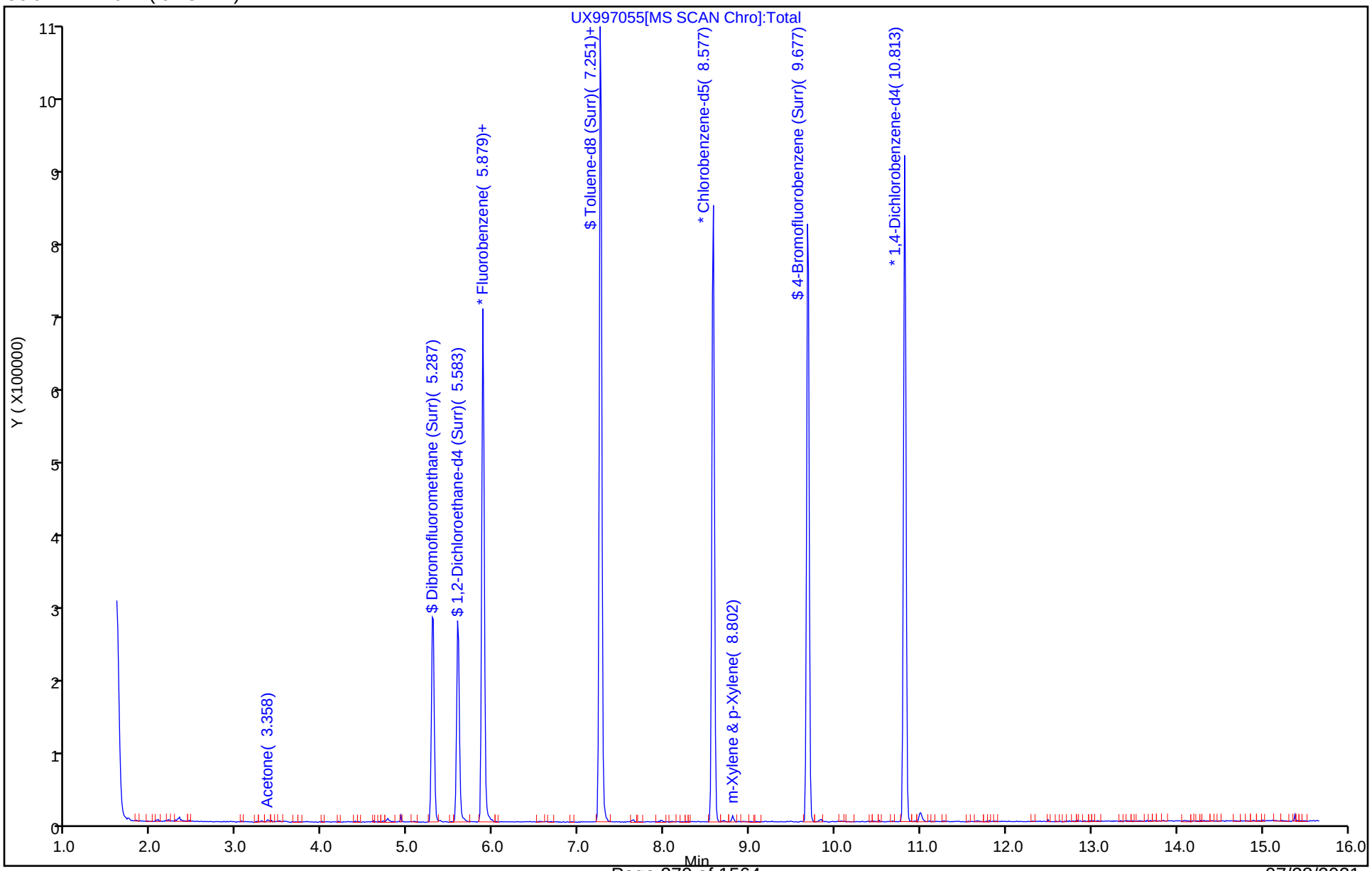
Report Date: 22-Jul-2021 08:33:09 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\UX997055.D

Injection Date:	21-Jul-2021 20:19:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	240-152946-B-6	Lab Sample ID:	240-152946-6	Worklist Smp#:	27
Client ID:	MSA-SW38B-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\UX997055.D
Lims ID: 240-152946-B-6
Client ID: MSA-SW38B-071521
Sample Type: Client
Inject. Date: 21-Jul-2021 20:19:30 ALS Bottle#: 27 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111430-027
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Jul-2021 08:32:38 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: bosworthh Date: 22-Jul-2021 08:33:09

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	16.3	16.4	100.45
$ 5 1,2-Dichloroethane-d4 (Surr)	16.3	16.3	100.11
$ 6 Toluene-d8 (Surr)	16.3	16.6	101.38
$ 7 4-Bromofluorobenzene (Surr)	16.3	16.8	103.11

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38C-071521 Lab Sample ID: 240-152946-7

Matrix: Water Lab File ID: UX997074.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:38

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 15:19

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38C-071521 Lab Sample ID: 240-152946-7

Matrix: Water Lab File ID: UX997074.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:38

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 15:19

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38C-071521 Lab Sample ID: 240-152946-7

Matrix: Water Lab File ID: UX997074.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:38

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 15:19

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.: 496159 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	96		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		75-130
2037-26-5	Toluene-d8 (Surr)	99		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38C-071521 Lab Sample ID: 240-152946-7

Matrix: Water Lab File ID: UX997074.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:38

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 15:19

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38C-071521 Lab Sample ID: 240-152946-7

Matrix: Water Lab File ID: UX997074.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:38

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 15:19

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.: 496159 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\A3UX9\20210722-111471.b\UX997074.D
Lims ID: 240-152946-B-7
Client ID: MSA-SW38C-071521
Sample Type: Client
Inject. Date: 22-Jul-2021 15:19:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111471-014
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jul-2021 08:44:13 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: bosworthh Date: 26-Jul-2021 08:56:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.876	5.877	-0.001	99	712000	20.0	
* 2 Chlorobenzene-d5	117	8.574	8.575	-0.001	86	595756	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.822	10.823	-0.001	95	308328	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.296	5.287	0.009	93	185985	15.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.592	5.582	0.010	99	209684	15.5	
$ 6 Toluene-d8 (Surr)	98	7.261	7.251	0.010	94	831108	16.1	
$ 7 4-Bromofluorobenzene (Surr)	95	9.686	9.677	0.009	93	316344	16.3	
9 Dichlorodifluoromethane	85		1.760				ND	
10 Chloromethane	50		1.962				ND	
11 Vinyl chloride	62		2.080				ND	
13 Bromomethane	94		2.435				ND	
15 Chloroethane	64		2.541				ND	
17 Trichlorofluoromethane	101		2.814				ND	
24 1,1-Dichloroethene	61		3.322				ND	
22 112TCTFE	101		3.322				ND	
23 Acetone	58		3.358				ND	
26 Carbon disulfide	76		3.535				ND	7
30 Methylene Chloride	49		3.760				ND	
31 2-Methyl-2-propanol	59		3.843				ND	
33 Methyl tert-butyl ether	73		4.009				ND	
34 trans-1,2-Dichloroethene	61		4.020				ND	
36 1,1-Dichloroethane	63		4.387				ND	
37 Vinyl acetate	43		4.423				ND	
38 Isopropyl ether	87		4.445				ND	
40 Tert-butyl ethyl ether	59		4.753				ND	
43 cis-1,2-Dichloroethene	96		4.884				ND	
41 2-Butanone (MEK)	72		4.884				ND	
42 2,2-Dichloropropane	77		4.896				ND	
47 Chlorobromomethane	49		5.085				ND	
49 Chloroform	83		5.156				ND	
50 1,1,1-Trichloroethane	97		5.334				ND	
53 Carbon tetrachloride	117		5.476				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 1,1-Dichloropropene	75		5.476				ND	
56 1,2-Dichloroethane	62		5.653				ND	
55 Benzene	78		5.653				ND	
57 Tert-amyl methyl ether	73		5.735				ND	
60 Trichloroethene	130		6.198				ND	
63 1,2-Dichloropropane	63		6.387				ND	
66 Dibromomethane	174		6.494				ND	
67 Dichlorobromomethane	83		6.612				ND	
69 2-Chloroethyl vinyl ether	63		6.848				ND	
71 cis-1,3-Dichloropropene	75		7.002				ND	
72 4-Methyl-2-pentanone (MIBK)	43		7.121				ND	
73 Toluene	91		7.310				ND	7
74 trans-1,3-Dichloropropene	75		7.487				ND	
77 1,3-Dichloropropane	76		7.807				ND	
78 Tetrachloroethene	166		7.819				ND	
80 2-Hexanone	43		7.866				ND	
82 Chlorodibromomethane	129		8.032				ND	
83 Ethylene Dibromide	107		8.150				ND	
85 Chlorobenzene	112		8.600				ND	
86 1,1,1,2-Tetrachloroethane	131		8.671				ND	
87 Ethylbenzene	106		8.694				ND	
88 m-Xylene & p-Xylene	106		8.801				ND	7
89 o-Xylene	106		9.180				ND	
90 Styrene	104		9.191				ND	
91 Bromoform	173		9.369				ND	
92 Isopropylbenzene	105		9.535				ND	
94 1,1,2,2-Tetrachloroethane	83		9.795				ND	
95 Bromobenzene	156		9.842				ND	
97 1,2,3-Trichloropropane	110		9.854				ND	
98 N-Propylbenzene	120		9.925				ND	
100 2-Chlorotoluene	126		10.020				ND	
102 4-Chlorotoluene	126		10.126				ND	
104 tert-Butylbenzene	119		10.422				ND	
106 1,2,4-Trimethylbenzene	105		10.469				ND	
107 sec-Butylbenzene	134		10.635				ND	
108 1,3-Dichlorobenzene	146		10.753				ND	
109 4-Isopropyltoluene	119		10.777				ND	
110 1,4-Dichlorobenzene	146		10.836				ND	
111 1,2,3-Trimethylbenzene	105		10.882				ND	
113 n-Butylbenzene	91		11.179				ND	
114 1,2-Dichlorobenzene	146		11.215				ND	
115 1,2-Dibromo-3-Chloropropane	157		11.984				ND	
117 1,2,4-Trichlorobenzene	180		12.824				ND	
118 Hexachlorobutadiene	225		13.002				ND	
119 Naphthalene	128		13.084				ND	
120 1,2,3-Trichlorobenzene	180		13.357				ND	
S 131 Xylenes, Total	106		17.230				ND	
T 157 Chlorodifluoromethane TIC	51		2.413				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm40mL_vials_00016	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	1.63	Units: uL	Run Reagent

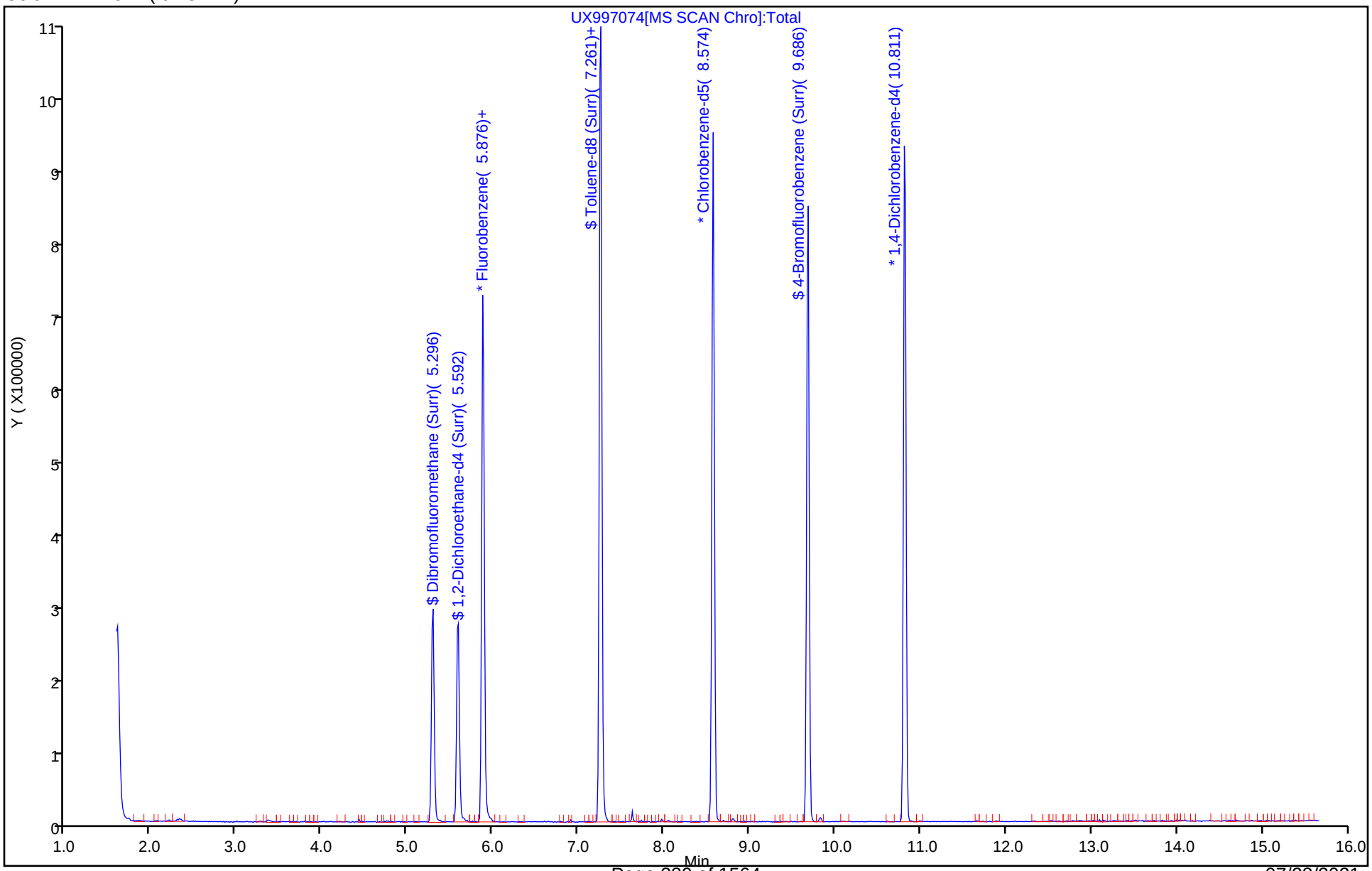
Report Date: 26-Jul-2021 08:56:05 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997074.D

Injection Date:	22-Jul-2021 15:19:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	240-152946-B-7	Lab Sample ID:	240-152946-7	Worklist Smp#:	14
Client ID:	MSA-SW38C-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997074.D
Lims ID: 240-152946-B-7
Client ID: MSA-SW38C-071521
Sample Type: Client
Inject. Date: 22-Jul-2021 15:19:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111471-014
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jul-2021 08:44:13 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: bosworthh Date: 26-Jul-2021 08:56:04

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	16.3	15.7	96.31
$ 5 1,2-Dichloroethane-d4 (Surr)	16.3	15.5	95.17
$ 6 Toluene-d8 (Surr)	16.3	16.1	98.67
$ 7 4-Bromofluorobenzene (Surr)	16.3	16.3	99.55

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38D-071521 Lab Sample ID: 240-152946-8

Matrix: Water Lab File ID: UX997075.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:41

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 15:42

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38D-071521 Lab Sample ID: 240-152946-8

Matrix: Water Lab File ID: UX997075.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:41

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 15:42

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38D-071521 Lab Sample ID: 240-152946-8

Matrix: Water Lab File ID: UX997075.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:41

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 15:42

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	98		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		75-130
2037-26-5	Toluene-d8 (Surr)	99		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38D-071521 Lab Sample ID: 240-152946-8

Matrix: Water Lab File ID: UX997075.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:41

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 15:42

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38D-071521 Lab Sample ID: 240-152946-8

Matrix: Water Lab File ID: UX997075.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:41

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 15:42

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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\A3UX9\20210722-111471.b\UX997075.D
Lims ID: 240-152946-B-8
Client ID: MSA-SW38D-071521
Sample Type: Client
Inject. Date: 22-Jul-2021 15:42:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111471-015
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jul-2021 08:44:13 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: bosworthh Date: 26-Jul-2021 08:57:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.877	5.877	0.000	99	731057	20.0	
* 2 Chlorobenzene-d5	117	8.575	8.575	0.000	86	610134	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.812	10.823	-0.011	95	314807	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.298	5.287	0.011	92	194025	16.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.582	5.582	0.000	99	210842	15.2	
$ 6 Toluene-d8 (Surr)	98	7.262	7.251	0.011	93	853279	16.2	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.677	0.011	92	323326	16.2	
9 Dichlorodifluoromethane	85		1.760				ND	
10 Chloromethane	50		1.962				ND	
11 Vinyl chloride	62		2.080				ND	
13 Bromomethane	94		2.435				ND	
15 Chloroethane	64		2.541				ND	
17 Trichlorofluoromethane	101		2.814				ND	
24 1,1-Dichloroethene	61		3.322				ND	
22 112TCTFE	101		3.322				ND	
23 Acetone	58	3.369	3.358	0.011	65	389	0.2073	
26 Carbon disulfide	76		3.535				ND	
30 Methylene Chloride	49		3.760				ND	
31 2-Methyl-2-propanol	59		3.843				ND	
33 Methyl tert-butyl ether	73		4.009				ND	
34 trans-1,2-Dichloroethene	61		4.020				ND	
36 1,1-Dichloroethane	63		4.387				ND	
37 Vinyl acetate	43		4.423				ND	
38 Isopropyl ether	87		4.445				ND	
40 Tert-butyl ethyl ether	59		4.753				ND	
43 cis-1,2-Dichloroethene	96		4.884				ND	
41 2-Butanone (MEK)	72		4.884				ND	
42 2,2-Dichloropropane	77		4.896				ND	
47 Chlorobromomethane	49		5.085				ND	
49 Chloroform	83		5.156				ND	
50 1,1,1-Trichloroethane	97		5.334				ND	
53 Carbon tetrachloride	117		5.476				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 1,1-Dichloropropene	75		5.476				ND	
56 1,2-Dichloroethane	62		5.653				ND	
55 Benzene	78		5.653				ND	
57 Tert-amyl methyl ether	73		5.735				ND	
60 Trichloroethene	130		6.198				ND	
63 1,2-Dichloropropane	63		6.387				ND	
66 Dibromomethane	174		6.494				ND	
67 Dichlorobromomethane	83		6.612				ND	
69 2-Chloroethyl vinyl ether	63		6.848				ND	
71 cis-1,3-Dichloropropene	75		7.002				ND	
72 4-Methyl-2-pentanone (MIBK)	43		7.121				ND	
73 Toluene	91		7.310				ND	7
74 trans-1,3-Dichloropropene	75		7.487				ND	
77 1,3-Dichloropropane	76		7.807				ND	
78 Tetrachloroethene	166		7.819				ND	
80 2-Hexanone	43		7.866				ND	
82 Chlorodibromomethane	129		8.032				ND	
83 Ethylene Dibromide	107		8.150				ND	
85 Chlorobenzene	112		8.600				ND	
86 1,1,1,2-Tetrachloroethane	131		8.671				ND	
87 Ethylbenzene	106		8.694				ND	
88 m-Xylene & p-Xylene	106		8.801				ND	7
89 o-Xylene	106		9.180				ND	
90 Styrene	104		9.191				ND	
91 Bromoform	173		9.369				ND	
92 Isopropylbenzene	105		9.535				ND	
94 1,1,2,2-Tetrachloroethane	83		9.795				ND	
95 Bromobenzene	156		9.842				ND	
97 1,2,3-Trichloropropane	110		9.854				ND	
98 N-Propylbenzene	120		9.925				ND	
100 2-Chlorotoluene	126		10.020				ND	
102 4-Chlorotoluene	126		10.126				ND	
104 tert-Butylbenzene	119		10.422				ND	
106 1,2,4-Trimethylbenzene	105		10.469				ND	
107 sec-Butylbenzene	134		10.635				ND	
108 1,3-Dichlorobenzene	146		10.753				ND	
109 4-Isopropyltoluene	119		10.777				ND	
110 1,4-Dichlorobenzene	146		10.836				ND	
111 1,2,3-Trimethylbenzene	105		10.882				ND	
113 n-Butylbenzene	91		11.179				ND	
114 1,2-Dichlorobenzene	146		11.215				ND	
115 1,2-Dibromo-3-Chloropropane	157		11.984				ND	
117 1,2,4-Trichlorobenzene	180		12.824				ND	
118 Hexachlorobutadiene	225		13.002				ND	
119 Naphthalene	128		13.084				ND	
120 1,2,3-Trichlorobenzene	180		13.357				ND	
S 131 Xylenes, Total	106		17.230				ND	
T 157 Chlorodifluoromethane TIC	51		2.413				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm40mL_vials_00016	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	1.63	Units: uL	Run Reagent

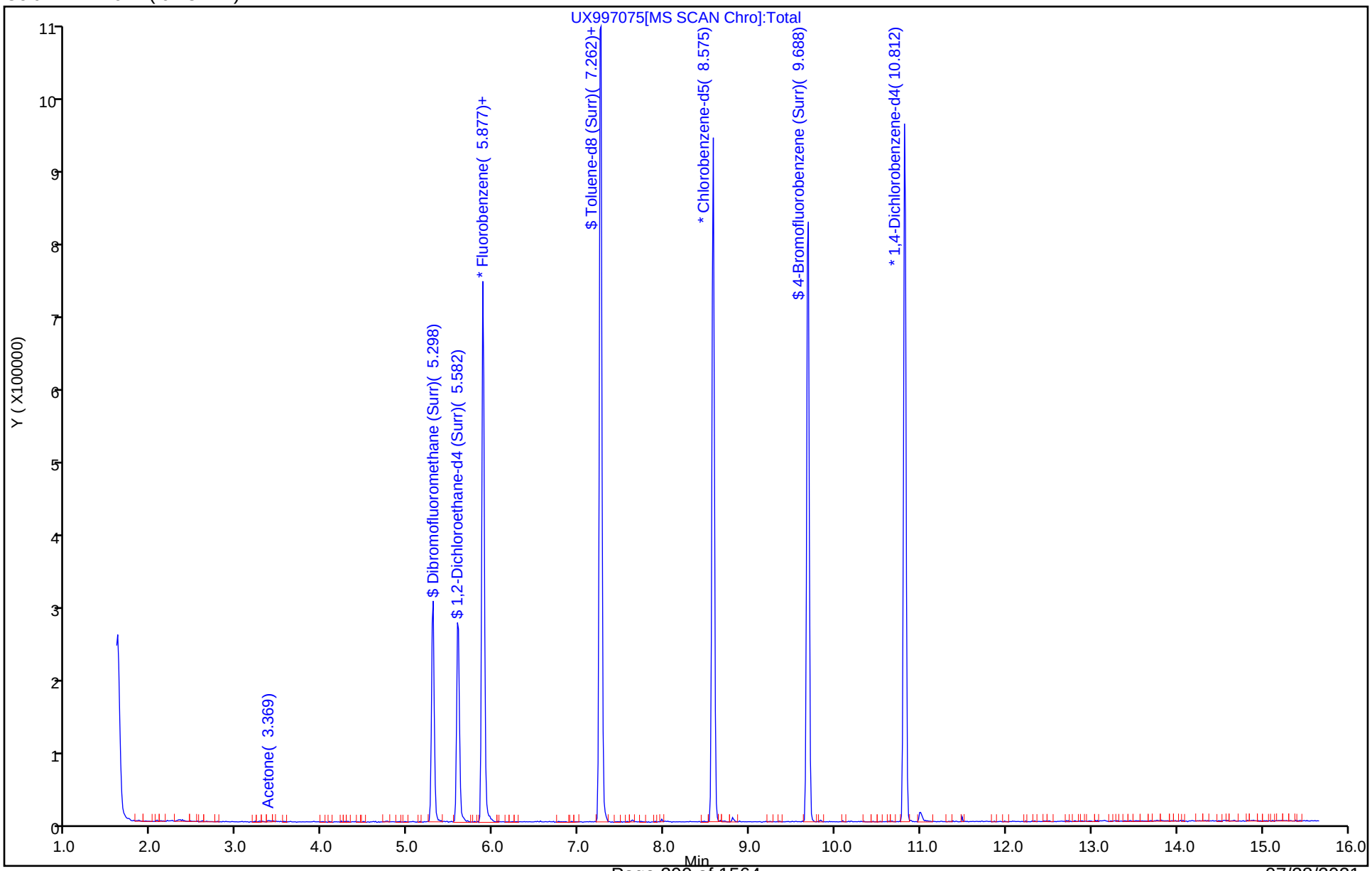
Report Date: 26-Jul-2021 08:57:56 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997075.D

Injection Date:	22-Jul-2021 15:42:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	240-152946-B-8	Lab Sample ID:	240-152946-8	Worklist Smp#:	15
Client ID:	MSA-SW38D-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997075.D
Lims ID: 240-152946-B-8
Client ID: MSA-SW38D-071521
Sample Type: Client
Inject. Date: 22-Jul-2021 15:42:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111471-015
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jul-2021 08:44:13 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: bosworthh Date: 26-Jul-2021 08:57:56

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	16.3	16.0	97.85
$ 5 1,2-Dichloroethane-d4 (Surr)	16.3	15.2	93.20
$ 6 Toluene-d8 (Surr)	16.3	16.2	98.92
$ 7 4-Bromofluorobenzene (Surr)	16.3	16.2	99.35

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40A-071521 Lab Sample ID: 240-152946-9

Matrix: Water Lab File ID: UX997076.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:51

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 16:05

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40A-071521 Lab Sample ID: 240-152946-9

Matrix: Water Lab File ID: UX997076.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:51

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 16:05

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40A-071521 Lab Sample ID: 240-152946-9

Matrix: Water Lab File ID: UX997076.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:51

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 16:05

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	99		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		75-130
2037-26-5	Toluene-d8 (Surr)	101		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40A-071521 Lab Sample ID: 240-152946-9

Matrix: Water Lab File ID: UX997076.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:51

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 16:05

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40A-071521 Lab Sample ID: 240-152946-9

Matrix: Water Lab File ID: UX997076.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:51

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 16:05

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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\A3UX9\20210722-111471.b\UX997076.D
Lims ID: 240-152946-B-9
Client ID: MSA-SW40A-071521
Sample Type: Client
Inject. Date: 22-Jul-2021 16:05:30 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111471-016
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jul-2021 08:44:13 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: bosworthh Date: 26-Jul-2021 08:59:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.876	5.877	-0.001	99	688505	20.0	
* 2 Chlorobenzene-d5	117	8.574	8.575	-0.001	86	585139	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.823	10.823	-0.001	95	297178	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.297	5.287	0.010	92	184381	16.1	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.592	5.582	0.010	99	204839	15.7	
$ 6 Toluene-d8 (Surr)	98	7.261	7.251	0.010	94	832413	16.4	
$ 7 4-Bromofluorobenzene (Surr)	95	9.687	9.677	0.010	92	321921	16.8	
9 Dichlorodifluoromethane	85		1.760				ND	
10 Chloromethane	50		1.962				ND	
11 Vinyl chloride	62		2.080				ND	
13 Bromomethane	94		2.435				ND	
15 Chloroethane	64		2.541				ND	
17 Trichlorofluoromethane	101		2.814				ND	
24 1,1-Dichloroethene	61		3.322				ND	
22 112TCTFE	101		3.322				ND	
23 Acetone	58	3.380	3.358	0.022	98	1789	1.01	
26 Carbon disulfide	76		3.535				ND	
30 Methylene Chloride	49		3.760				ND	
31 2-Methyl-2-propanol	59		3.843				ND	
33 Methyl tert-butyl ether	73		4.009				ND	
34 trans-1,2-Dichloroethene	61		4.020				ND	
36 1,1-Dichloroethane	63		4.387				ND	
37 Vinyl acetate	43		4.423				ND	
38 Isopropyl ether	87		4.445				ND	
40 Tert-butyl ethyl ether	59		4.753				ND	
43 cis-1,2-Dichloroethene	96		4.884				ND	
41 2-Butanone (MEK)	72		4.884				ND	
42 2,2-Dichloropropane	77		4.896				ND	
47 Chlorobromomethane	49		5.085				ND	
49 Chloroform	83		5.156				ND	
50 1,1,1-Trichloroethane	97		5.334				ND	
53 Carbon tetrachloride	117		5.476				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 1,1-Dichloropropene	75		5.476				ND	
56 1,2-Dichloroethane	62		5.653				ND	
55 Benzene	78		5.653				ND	
57 Tert-amyl methyl ether	73		5.735				ND	
60 Trichloroethene	130		6.198				ND	
63 1,2-Dichloropropane	63		6.387				ND	
66 Dibromomethane	174		6.494				ND	
67 Dichlorobromomethane	83		6.612				ND	
69 2-Chloroethyl vinyl ether	63		6.848				ND	
71 cis-1,3-Dichloropropene	75		7.002				ND	
72 4-Methyl-2-pentanone (MIBK)	43		7.121				ND	
73 Toluene	91		7.310				ND	
74 trans-1,3-Dichloropropene	75		7.487				ND	
77 1,3-Dichloropropane	76		7.807				ND	
78 Tetrachloroethene	166		7.819				ND	
80 2-Hexanone	43		7.866				ND	
82 Chlorodibromomethane	129		8.032				ND	
83 Ethylene Dibromide	107		8.150				ND	
85 Chlorobenzene	112		8.600				ND	
86 1,1,1,2-Tetrachloroethane	131		8.671				ND	
87 Ethylbenzene	106		8.694				ND	
88 m-Xylene & p-Xylene	106		8.801				ND	
89 o-Xylene	106		9.180				ND	
90 Styrene	104		9.191				ND	
91 Bromoform	173		9.369				ND	
92 Isopropylbenzene	105		9.535				ND	
94 1,1,2,2-Tetrachloroethane	83		9.795				ND	
95 Bromobenzene	156		9.842				ND	
97 1,2,3-Trichloropropane	110		9.854				ND	
98 N-Propylbenzene	120		9.925				ND	
100 2-Chlorotoluene	126		10.020				ND	
102 4-Chlorotoluene	126		10.126				ND	
104 tert-Butylbenzene	119		10.422				ND	
106 1,2,4-Trimethylbenzene	105		10.469				ND	
107 sec-Butylbenzene	134		10.635				ND	
108 1,3-Dichlorobenzene	146		10.753				ND	
109 4-Isopropyltoluene	119		10.777				ND	
110 1,4-Dichlorobenzene	146		10.836				ND	
111 1,2,3-Trimethylbenzene	105		10.882				ND	
113 n-Butylbenzene	91		11.179				ND	
114 1,2-Dichlorobenzene	146		11.215				ND	
115 1,2-Dibromo-3-Chloropropane	157		11.984				ND	
117 1,2,4-Trichlorobenzene	180		12.824				ND	
118 Hexachlorobutadiene	225		13.002				ND	
119 Naphthalene	128		13.084				ND	
120 1,2,3-Trichlorobenzene	180		13.357				ND	
S 131 Xylenes, Total	106		17.230				ND	
T 157 Chlorodifluoromethane TIC	51		2.413				ND	

QC Flag Legend

Processing Flags

Reagents:

vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm40mL_vials_00016	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	1.63	Units: uL	Run Reagent

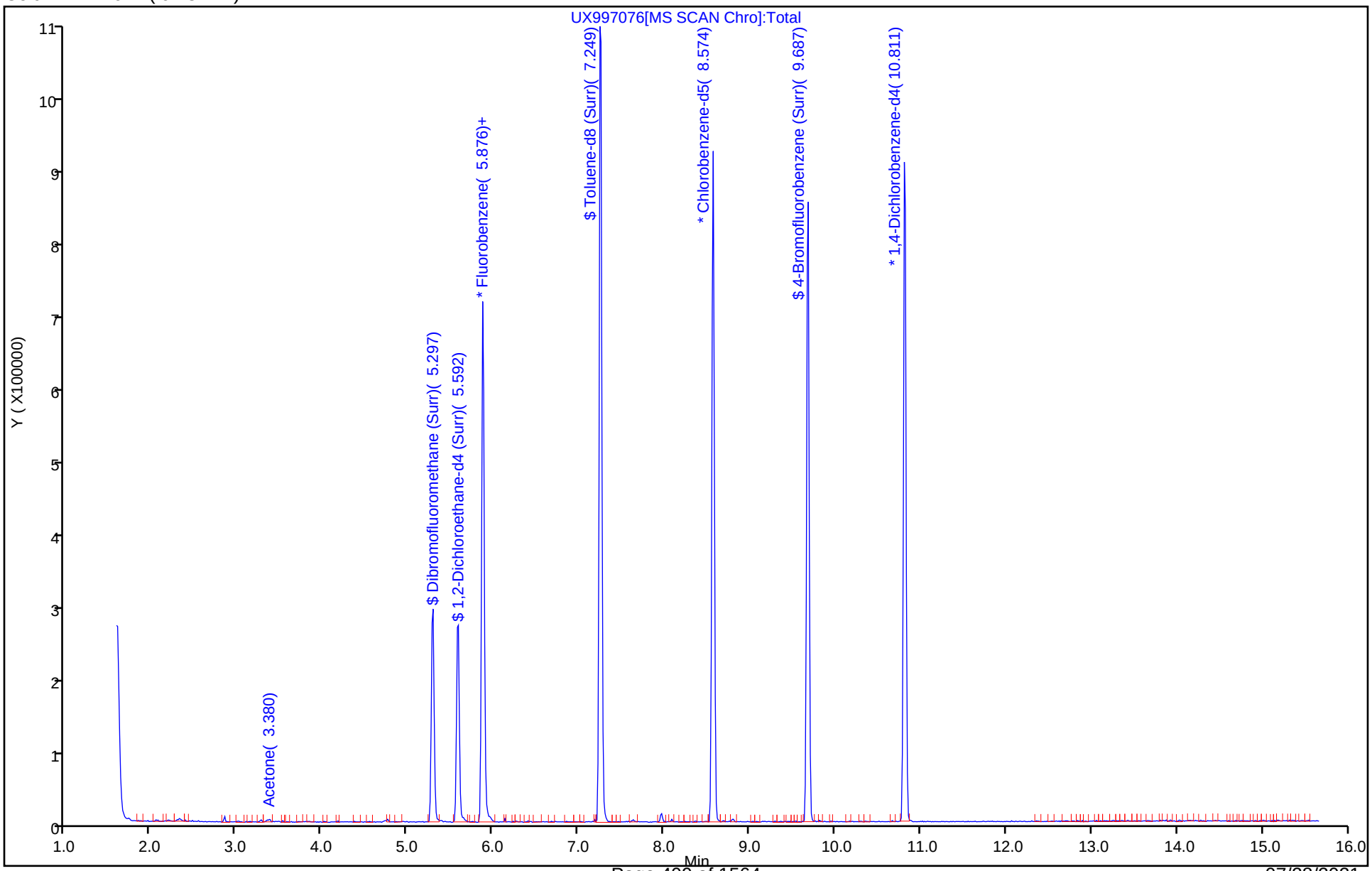
Report Date: 26-Jul-2021 08:59:01 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997076.D

Injection Date:	22-Jul-2021 16:05:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	240-152946-B-9	Lab Sample ID:	240-152946-9	Worklist Smp#:	16
Client ID:	MSA-SW40A-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Recovery Report

Data File:	\\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997076.D				
Lims ID:	240-152946-B-9				
Client ID:	MSA-SW40A-071521				
Sample Type:	Client				
Inject. Date:	22-Jul-2021 16:05:30	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0111471-016				
Operator ID:	001765	Instrument ID:	A3UX9		
Method:	\\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	26-Jul-2021 08:44:13	Calib Date:	16-Jun-2021 20:29:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1649				

First Level Reviewer: bosworthh Date: 26-Jul-2021 08:59:01

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	16.3	16.1	98.73
$ 5 1,2-Dichloroethane-d4 (Surr)	16.3	15.7	96.15
$ 6 Toluene-d8 (Surr)	16.3	16.4	100.62
$ 7 4-Bromofluorobenzene (Surr)	16.3	16.8	103.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40B-071521 Lab Sample ID: 240-152946-10

Matrix: Water Lab File ID: UX997077.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:54

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 16:28

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40B-071521 Lab Sample ID: 240-152946-10

Matrix: Water Lab File ID: UX997077.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:54

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 16:28

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40B-071521 Lab Sample ID: 240-152946-10

Matrix: Water Lab File ID: UX997077.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:54

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 16:28

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.: 496159 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	98		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		75-130
2037-26-5	Toluene-d8 (Surr)	100		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40B-071521 Lab Sample ID: 240-152946-10

Matrix: Water Lab File ID: UX997077.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:54

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 16:28

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40B-071521 Lab Sample ID: 240-152946-10

Matrix: Water Lab File ID: UX997077.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:54

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 16:28

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.: 496159 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\A3UX9\20210722-111471.b\UX997077.D
Lims ID: 240-152946-B-10
Client ID: MSA-SW40B-071521
Sample Type: Client
Inject. Date: 22-Jul-2021 16:28:30 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111471-017
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jul-2021 08:44:13 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: bosworthh Date: 26-Jul-2021 09:00:18

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.877	5.877	0.000	99	700899	20.0	
* 2 Chlorobenzene-d5	117	8.575	8.575	0.000	86	583027	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.811	10.823	-0.012	96	298230	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.297	5.287	0.010	93	185529	15.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.581	5.582	-0.001	99	209564	15.8	
$ 6 Toluene-d8 (Surr)	98	7.262	7.251	0.011	93	824688	16.3	
$ 7 4-Bromofluorobenzene (Surr)	95	9.675	9.677	-0.002	92	313609	16.5	
9 Dichlorodifluoromethane	85		1.760				ND	
10 Chloromethane	50		1.962				ND	
11 Vinyl chloride	62		2.080				ND	
13 Bromomethane	94		2.435				ND	
15 Chloroethane	64		2.541				ND	
17 Trichlorofluoromethane	101		2.814				ND	
24 1,1-Dichloroethene	61		3.322				ND	
22 112TCTFE	101		3.322				ND	
23 Acetone	58	3.369	3.358	0.011	97	1336	0.7428	
26 Carbon disulfide	76		3.535				ND	7
30 Methylene Chloride	49		3.760				ND	
31 2-Methyl-2-propanol	59		3.843				ND	
33 Methyl tert-butyl ether	73		4.009				ND	
34 trans-1,2-Dichloroethene	61		4.020				ND	
36 1,1-Dichloroethane	63		4.387				ND	
37 Vinyl acetate	43		4.423				ND	
38 Isopropyl ether	87		4.445				ND	
40 Tert-butyl ethyl ether	59		4.753				ND	
43 cis-1,2-Dichloroethene	96		4.884				ND	
41 2-Butanone (MEK)	72		4.884				ND	
42 2,2-Dichloropropane	77		4.896				ND	
47 Chlorobromomethane	49		5.085				ND	
49 Chloroform	83		5.156				ND	
50 1,1,1-Trichloroethane	97		5.334				ND	
53 Carbon tetrachloride	117		5.476				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 1,1-Dichloropropene	75		5.476				ND	
56 1,2-Dichloroethane	62		5.653				ND	
55 Benzene	78		5.653				ND	
57 Tert-amyl methyl ether	73		5.735				ND	
60 Trichloroethene	130		6.198				ND	
63 1,2-Dichloropropane	63		6.387				ND	
66 Dibromomethane	174		6.494				ND	
67 Dichlorobromomethane	83		6.612				ND	
69 2-Chloroethyl vinyl ether	63		6.848				ND	
71 cis-1,3-Dichloropropene	75		7.002				ND	
72 4-Methyl-2-pentanone (MIBK)	43		7.121				ND	
73 Toluene	91		7.310				ND	7
74 trans-1,3-Dichloropropene	75		7.487				ND	
77 1,3-Dichloropropane	76		7.807				ND	
78 Tetrachloroethene	166		7.819				ND	
80 2-Hexanone	43		7.866				ND	
82 Chlorodibromomethane	129		8.032				ND	
83 Ethylene Dibromide	107		8.150				ND	
85 Chlorobenzene	112		8.600				ND	
86 1,1,1,2-Tetrachloroethane	131		8.671				ND	
87 Ethylbenzene	106		8.694				ND	
88 m-Xylene & p-Xylene	106		8.801				ND	7
89 o-Xylene	106		9.180				ND	
90 Styrene	104		9.191				ND	
91 Bromoform	173		9.369				ND	
92 Isopropylbenzene	105		9.535				ND	
94 1,1,2,2-Tetrachloroethane	83		9.795				ND	
95 Bromobenzene	156		9.842				ND	
97 1,2,3-Trichloropropane	110		9.854				ND	
98 N-Propylbenzene	120		9.925				ND	
100 2-Chlorotoluene	126		10.020				ND	
102 4-Chlorotoluene	126		10.126				ND	
104 tert-Butylbenzene	119		10.422				ND	
106 1,2,4-Trimethylbenzene	105		10.469				ND	
107 sec-Butylbenzene	134		10.635				ND	
108 1,3-Dichlorobenzene	146		10.753				ND	
109 4-Isopropyltoluene	119		10.777				ND	
110 1,4-Dichlorobenzene	146		10.836				ND	
111 1,2,3-Trimethylbenzene	105		10.882				ND	
113 n-Butylbenzene	91		11.179				ND	
114 1,2-Dichlorobenzene	146		11.215				ND	
115 1,2-Dibromo-3-Chloropropane	157		11.984				ND	
117 1,2,4-Trichlorobenzene	180		12.824				ND	
118 Hexachlorobutadiene	225		13.002				ND	
119 Naphthalene	128		13.084				ND	
120 1,2,3-Trichlorobenzene	180		13.357				ND	
S 131 Xylenes, Total	106		17.230				ND	
T 157 Chlorodifluoromethane TIC	51		2.413				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm40mL_vials_00016	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	1.63	Units: uL	Run Reagent

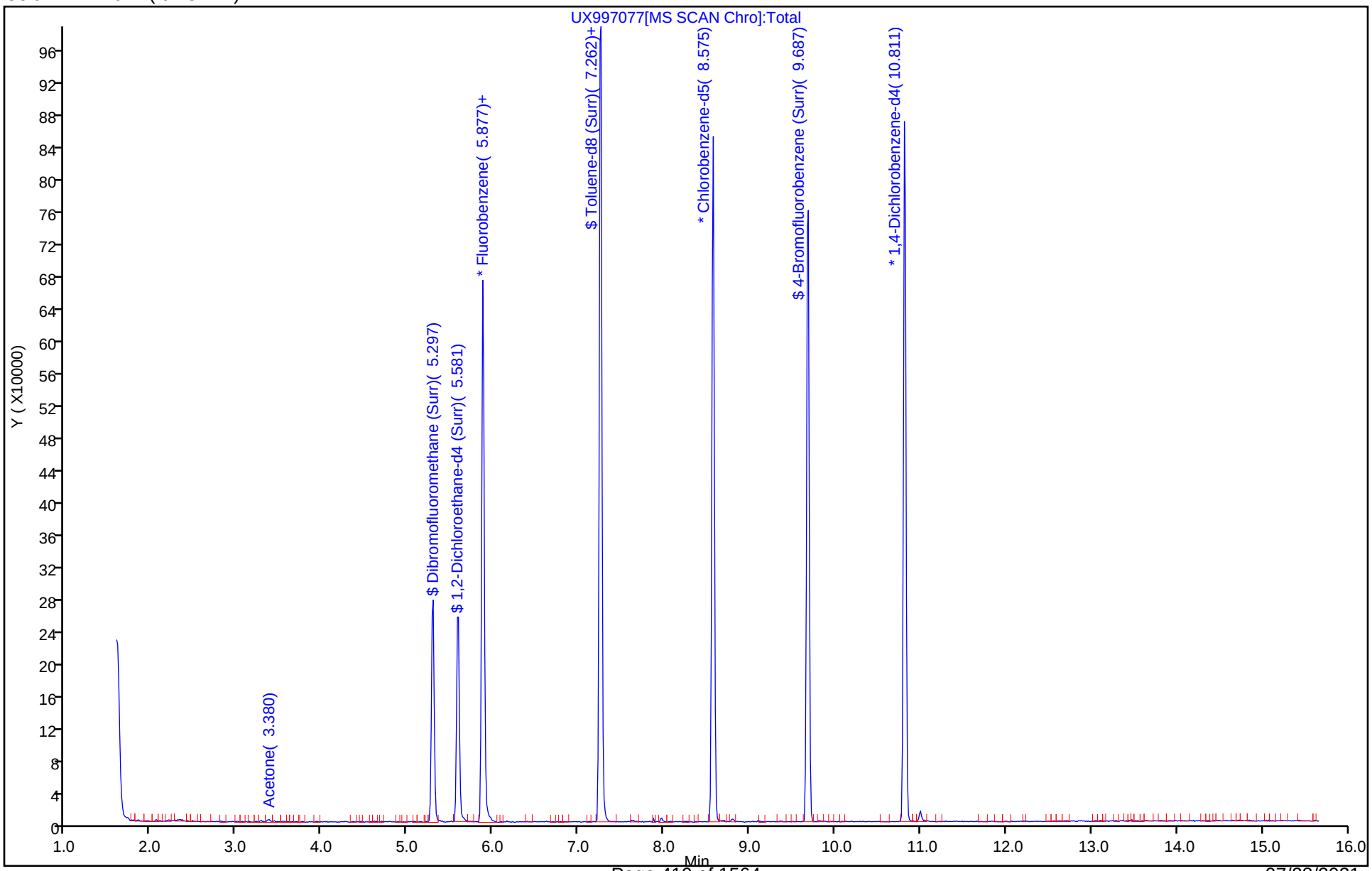
Report Date: 26-Jul-2021 09:00:18 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997077.D

Injection Date:	22-Jul-2021 16:28:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	240-152946-B-10	Lab Sample ID:	240-152946-10	Worklist Smp#:	17
Client ID:	MSA-SW40B-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997077.D
Lims ID: 240-152946-B-10
Client ID: MSA-SW40B-071521
Sample Type: Client
Inject. Date: 22-Jul-2021 16:28:30 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111471-017
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jul-2021 08:44:13 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: bosworthh Date: 26-Jul-2021 09:00:18

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	16.3	15.9	97.59
$ 5 1,2-Dichloroethane-d4 (Surr)	16.3	15.8	96.62
$ 6 Toluene-d8 (Surr)	16.3	16.3	100.05
$ 7 4-Bromofluorobenzene (Surr)	16.3	16.5	100.84

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40C-071521 Lab Sample ID: 240-152946-11

Matrix: Water Lab File ID: UX997078.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:57

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 16:51

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40C-071521 Lab Sample ID: 240-152946-11

Matrix: Water Lab File ID: UX997078.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:57

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 16:51

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40C-071521 Lab Sample ID: 240-152946-11

Matrix: Water Lab File ID: UX997078.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:57

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 16:51

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	96		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		75-130
2037-26-5	Toluene-d8 (Surr)	97		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40C-071521 Lab Sample ID: 240-152946-11

Matrix: Water Lab File ID: UX997078.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:57

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 16:51

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40C-071521 Lab Sample ID: 240-152946-11

Matrix: Water Lab File ID: UX997078.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:57

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 16:51

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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\A3UX9\20210722-111471.b\UX997078.D
Lims ID: 240-152946-B-11
Client ID: MSA-SW40C-071521
Sample Type: Client
Inject. Date: 22-Jul-2021 16:51:30 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111471-018
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jul-2021 08:44:13 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: bosworthh Date: 26-Jul-2021 09:00:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.877	5.877	0.000	99	738334	20.0	
* 2 Chlorobenzene-d5	117	8.575	8.575	0.000	86	616659	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.811	10.823	-0.012	96	321844	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.297	5.287	0.010	93	192629	15.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.593	5.582	0.011	99	225531	16.1	
$ 6 Toluene-d8 (Surr)	98	7.262	7.251	0.011	93	848260	15.9	
$ 7 4-Bromofluorobenzene (Surr)	95	9.687	9.677	0.010	94	331473	16.5	
9 Dichlorodifluoromethane	85		1.760				ND	
10 Chloromethane	50		1.962				ND	
11 Vinyl chloride	62		2.080				ND	
13 Bromomethane	94		2.435				ND	
15 Chloroethane	64		2.541				ND	
17 Trichlorofluoromethane	101		2.814				ND	
24 1,1-Dichloroethene	61		3.322				ND	
22 112TCTFE	101		3.322				ND	
23 Acetone	58	3.369	3.358	0.011	99	1220	0.6439	
26 Carbon disulfide	76		3.535				ND	7
30 Methylene Chloride	49		3.760				ND	
31 2-Methyl-2-propanol	59		3.843				ND	
33 Methyl tert-butyl ether	73		4.009				ND	
34 trans-1,2-Dichloroethene	61		4.020				ND	
36 1,1-Dichloroethane	63		4.387				ND	
37 Vinyl acetate	43		4.423				ND	
38 Isopropyl ether	87		4.445				ND	
40 Tert-butyl ethyl ether	59		4.753				ND	
43 cis-1,2-Dichloroethene	96		4.884				ND	
41 2-Butanone (MEK)	72		4.884				ND	
42 2,2-Dichloropropane	77		4.896				ND	
47 Chlorobromomethane	49		5.085				ND	
49 Chloroform	83		5.156				ND	
50 1,1,1-Trichloroethane	97		5.334				ND	
53 Carbon tetrachloride	117		5.476				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 1,1-Dichloropropene	75		5.476				ND	
56 1,2-Dichloroethane	62		5.653				ND	
55 Benzene	78		5.653				ND	
57 Tert-amyl methyl ether	73		5.735				ND	
60 Trichloroethene	130		6.198				ND	
63 1,2-Dichloropropane	63		6.387				ND	
66 Dibromomethane	174		6.494				ND	
67 Dichlorobromomethane	83		6.612				ND	
69 2-Chloroethyl vinyl ether	63		6.848				ND	
71 cis-1,3-Dichloropropene	75		7.002				ND	
72 4-Methyl-2-pentanone (MIBK)	43		7.121				ND	
73 Toluene	91		7.310				ND	7
74 trans-1,3-Dichloropropene	75		7.487				ND	
77 1,3-Dichloropropane	76		7.807				ND	
78 Tetrachloroethene	166		7.819				ND	
80 2-Hexanone	43		7.866				ND	
82 Chlorodibromomethane	129		8.032				ND	
83 Ethylene Dibromide	107		8.150				ND	
85 Chlorobenzene	112		8.600				ND	
86 1,1,1,2-Tetrachloroethane	131		8.671				ND	
87 Ethylbenzene	106		8.694				ND	
88 m-Xylene & p-Xylene	106		8.801				ND	7
89 o-Xylene	106		9.180				ND	
90 Styrene	104		9.191				ND	
91 Bromoform	173		9.369				ND	
92 Isopropylbenzene	105		9.535				ND	
94 1,1,2,2-Tetrachloroethane	83		9.795				ND	
95 Bromobenzene	156		9.842				ND	
97 1,2,3-Trichloropropane	110		9.854				ND	
98 N-Propylbenzene	120		9.925				ND	
100 2-Chlorotoluene	126		10.020				ND	
102 4-Chlorotoluene	126		10.126				ND	
104 tert-Butylbenzene	119		10.422				ND	
106 1,2,4-Trimethylbenzene	105		10.469				ND	
107 sec-Butylbenzene	134		10.635				ND	
108 1,3-Dichlorobenzene	146		10.753				ND	
109 4-Isopropyltoluene	119		10.777				ND	
110 1,4-Dichlorobenzene	146		10.836				ND	
111 1,2,3-Trimethylbenzene	105		10.882				ND	
113 n-Butylbenzene	91		11.179				ND	
114 1,2-Dichlorobenzene	146		11.215				ND	
115 1,2-Dibromo-3-Chloropropane	157		11.984				ND	
117 1,2,4-Trichlorobenzene	180		12.824				ND	
118 Hexachlorobutadiene	225		13.002				ND	
119 Naphthalene	128		13.084				ND	
120 1,2,3-Trichlorobenzene	180		13.357				ND	
S 131 Xylenes, Total	106		17.230				ND	
T 157 Chlorodifluoromethane TIC	51		2.413				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm40mL_vials_00016	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	1.63	Units: uL	Run Reagent

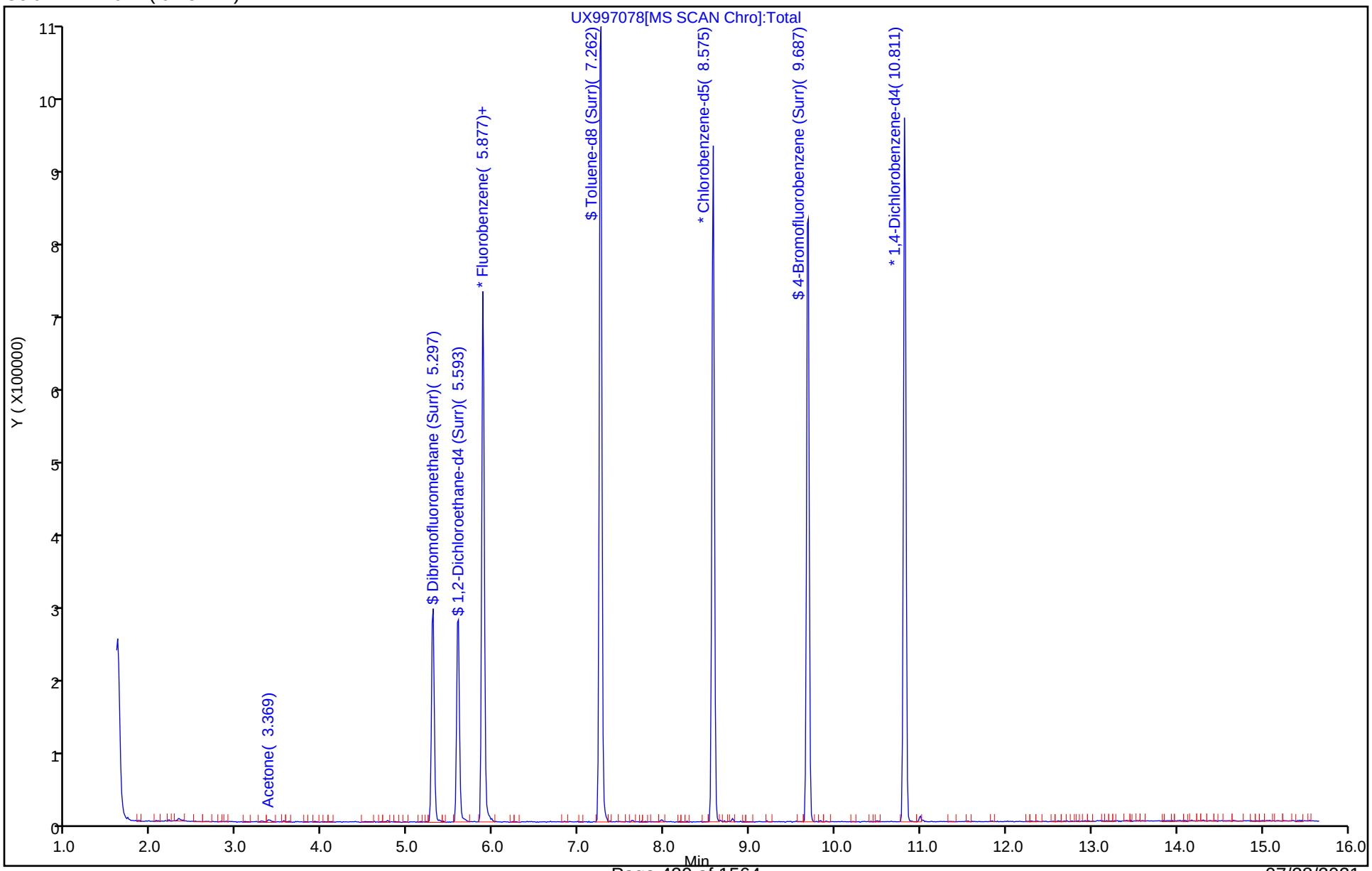
Report Date: 26-Jul-2021 09:00:39 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997078.D

Injection Date:	22-Jul-2021 16:51:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	240-152946-B-11	Lab Sample ID:	240-152946-11	Worklist Smp#:	18
Client ID:	MSA-SW40C-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997078.D
Lims ID: 240-152946-B-11
Client ID: MSA-SW40C-071521
Sample Type: Client
Inject. Date: 22-Jul-2021 16:51:30 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111471-018
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jul-2021 08:44:13 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: bosworthh Date: 26-Jul-2021 09:00:39

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	16.3	15.7	96.19
$ 5 1,2-Dichloroethane-d4 (Surr)	16.3	16.1	98.71
$ 6 Toluene-d8 (Surr)	16.3	15.9	97.29
$ 7 4-Bromofluorobenzene (Surr)	16.3	16.5	100.77

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40D-071521 Lab Sample ID: 240-152946-12

Matrix: Water Lab File ID: UX997079.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:00

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 17:14

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40D-071521 Lab Sample ID: 240-152946-12

Matrix: Water Lab File ID: UX997079.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:00

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 17:14

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40D-071521 Lab Sample ID: 240-152946-12

Matrix: Water Lab File ID: UX997079.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:00

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 17:14

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.: 496159 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	98		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		75-130
2037-26-5	Toluene-d8 (Surr)	97		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40D-071521 Lab Sample ID: 240-152946-12

Matrix: Water Lab File ID: UX997079.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:00

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 17:14

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40D-071521 Lab Sample ID: 240-152946-12

Matrix: Water Lab File ID: UX997079.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:00

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 17:14

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.: 496159 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\A3UX9\20210722-111471.b\UX997079.D
Lims ID: 240-152946-B-12
Client ID: MSA-SW40D-071521
Sample Type: Client
Inject. Date: 22-Jul-2021 17:14:30 ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111471-019
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jul-2021 08:44:13 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: bosworthh Date: 26-Jul-2021 09:01:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.879	5.877	0.002	99	697492	20.0	
* 2 Chlorobenzene-d5	117	8.577	8.575	0.002	85	593426	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.814	10.823	-0.009	95	304775	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.288	5.287	0.001	92	185675	16.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.584	5.582	0.002	100	206466	15.6	
$ 6 Toluene-d8 (Surr)	98	7.252	7.251	0.001	93	813218	15.8	
$ 7 4-Bromofluorobenzene (Surr)	95	9.678	9.677	0.001	90	313538	16.2	
9 Dichlorodifluoromethane	85		1.760				ND	
10 Chloromethane	50		1.962				ND	
11 Vinyl chloride	62		2.080				ND	
13 Bromomethane	94		2.435				ND	
15 Chloroethane	64		2.541				ND	
17 Trichlorofluoromethane	101		2.814				ND	
24 1,1-Dichloroethene	61		3.322				ND	
22 112TCTFE	101		3.322				ND	
23 Acetone	58		3.358				ND	
26 Carbon disulfide	76		3.535				ND	
30 Methylene Chloride	49		3.760				ND	
31 2-Methyl-2-propanol	59		3.843				ND	
33 Methyl tert-butyl ether	73		4.009				ND	
34 trans-1,2-Dichloroethene	61		4.020				ND	
36 1,1-Dichloroethane	63		4.387				ND	
37 Vinyl acetate	43		4.423				ND	
38 Isopropyl ether	87		4.445				ND	
40 Tert-butyl ethyl ether	59		4.753				ND	
43 cis-1,2-Dichloroethene	96		4.884				ND	
41 2-Butanone (MEK)	72		4.884				ND	
42 2,2-Dichloropropane	77		4.896				ND	
47 Chlorobromomethane	49		5.085				ND	
49 Chloroform	83		5.156				ND	
50 1,1,1-Trichloroethane	97		5.334				ND	
53 Carbon tetrachloride	117		5.476				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 1,1-Dichloropropene	75		5.476				ND	
56 1,2-Dichloroethane	62		5.653				ND	
55 Benzene	78		5.653				ND	
57 Tert-amyl methyl ether	73		5.735				ND	
60 Trichloroethene	130		6.198				ND	
63 1,2-Dichloropropane	63		6.387				ND	
66 Dibromomethane	174		6.494				ND	
67 Dichlorobromomethane	83		6.612				ND	
69 2-Chloroethyl vinyl ether	63		6.848				ND	
71 cis-1,3-Dichloropropene	75		7.002				ND	
72 4-Methyl-2-pentanone (MIBK)	43		7.121				ND	
73 Toluene	91		7.310				ND	7
74 trans-1,3-Dichloropropene	75		7.487				ND	
77 1,3-Dichloropropane	76		7.807				ND	
78 Tetrachloroethene	166		7.819				ND	
80 2-Hexanone	43		7.866				ND	
82 Chlorodibromomethane	129		8.032				ND	
83 Ethylene Dibromide	107		8.150				ND	
85 Chlorobenzene	112		8.600				ND	
86 1,1,1,2-Tetrachloroethane	131		8.671				ND	
87 Ethylbenzene	106		8.694				ND	
88 m-Xylene & p-Xylene	106		8.801				ND	7
89 o-Xylene	106		9.180				ND	
90 Styrene	104		9.191				ND	
91 Bromoform	173		9.369				ND	
92 Isopropylbenzene	105		9.535				ND	
94 1,1,2,2-Tetrachloroethane	83		9.795				ND	
95 Bromobenzene	156		9.842				ND	
97 1,2,3-Trichloropropane	110		9.854				ND	
98 N-Propylbenzene	120		9.925				ND	
100 2-Chlorotoluene	126		10.020				ND	
102 4-Chlorotoluene	126		10.126				ND	
104 tert-Butylbenzene	119		10.422				ND	
106 1,2,4-Trimethylbenzene	105		10.469				ND	
107 sec-Butylbenzene	134		10.635				ND	
108 1,3-Dichlorobenzene	146		10.753				ND	
109 4-Isopropyltoluene	119		10.777				ND	
110 1,4-Dichlorobenzene	146		10.836				ND	
111 1,2,3-Trimethylbenzene	105		10.882				ND	
113 n-Butylbenzene	91		11.179				ND	
114 1,2-Dichlorobenzene	146		11.215				ND	
115 1,2-Dibromo-3-Chloropropane	157		11.984				ND	
117 1,2,4-Trichlorobenzene	180		12.824				ND	
118 Hexachlorobutadiene	225		13.002				ND	
119 Naphthalene	128		13.084				ND	
120 1,2,3-Trichlorobenzene	180		13.357				ND	
S 131 Xylenes, Total	106		17.230				ND	
T 157 Chlorodifluoromethane TIC	51		2.413				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm40mL_vials_00016	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	1.63	Units: uL	Run Reagent

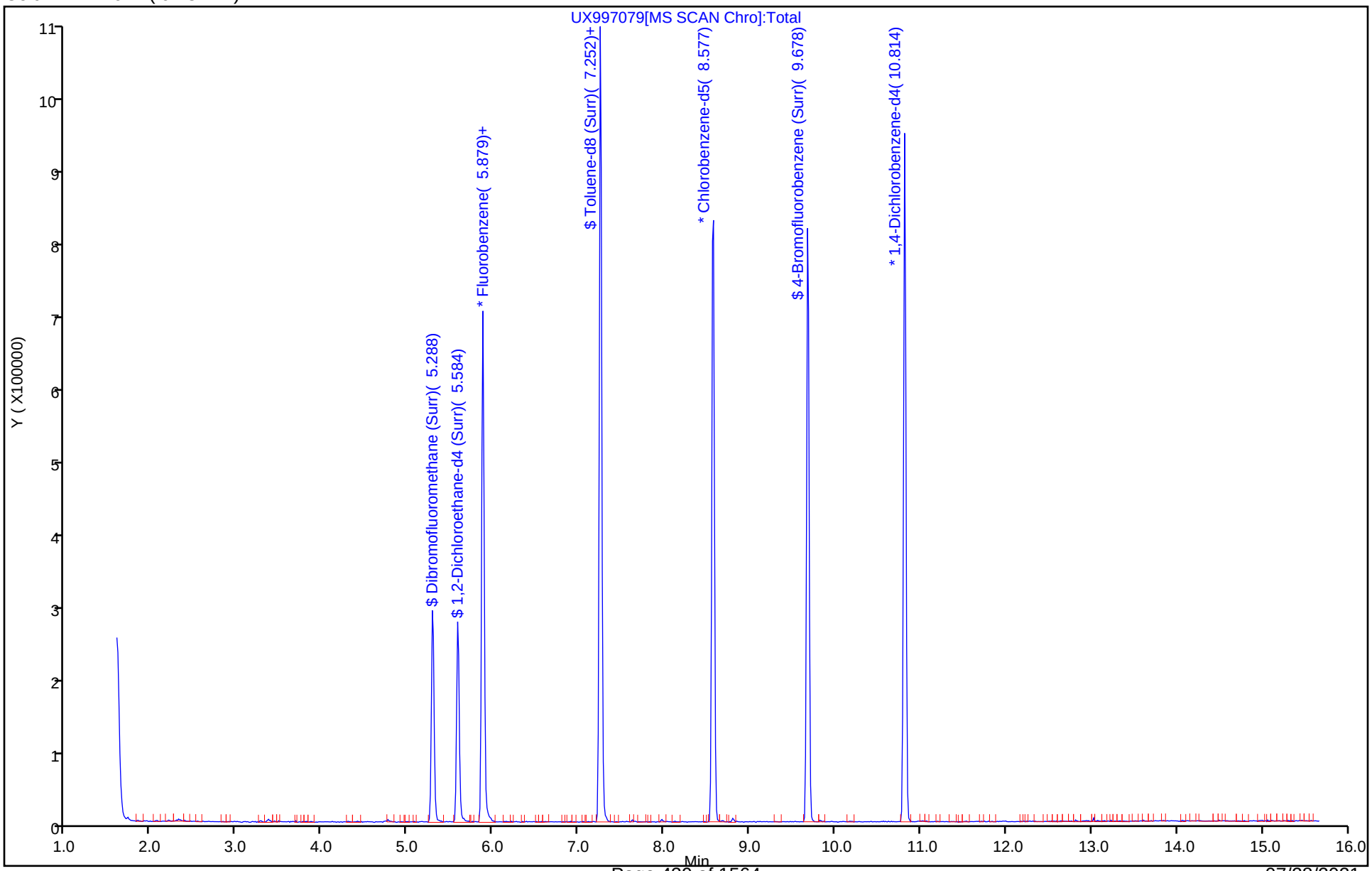
Report Date: 26-Jul-2021 09:01:09 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997079.D

Injection Date:	22-Jul-2021 17:14:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	240-152946-B-12	Lab Sample ID:	240-152946-12	Worklist Smp#:	19
Client ID:	MSA-SW40D-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997079.D
Lims ID: 240-152946-B-12
Client ID: MSA-SW40D-071521
Sample Type: Client
Inject. Date: 22-Jul-2021 17:14:30 ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111471-019
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jul-2021 08:44:13 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: bosworthh Date: 26-Jul-2021 09:01:09

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	16.3	16.0	98.14
$ 5 1,2-Dichloroethane-d4 (Surr)	16.3	15.6	95.66
$ 6 Toluene-d8 (Surr)	16.3	15.8	96.93
$ 7 4-Bromofluorobenzene (Surr)	16.3	16.2	99.05

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41A-071521 Lab Sample ID: 240-152946-13

Matrix: Water Lab File ID: UX997080.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:18

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41A-071521 Lab Sample ID: 240-152946-13

Matrix: Water Lab File ID: UX997080.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:18

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41A-071521 Lab Sample ID: 240-152946-13

Matrix: Water Lab File ID: UX997080.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:18

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 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.: 496159 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	97		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		75-130
2037-26-5	Toluene-d8 (Surr)	101		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41A-071521 Lab Sample ID: 240-152946-13

Matrix: Water Lab File ID: UX997080.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:18

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41A-071521 Lab Sample ID: 240-152946-13

Matrix: Water Lab File ID: UX997080.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:18

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 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.: 496159 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\A3UX9\20210722-111471.b\UX997080.D
Lims ID: 240-152946-B-13
Client ID: MSA-SW41A-071521
Sample Type: Client
Inject. Date: 22-Jul-2021 17:37:30 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111471-020
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jul-2021 08:44:13 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: bosworthh Date: 26-Jul-2021 09:01:39

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.877	5.877	0.000	99	698918	20.0	
*	2 Chlorobenzene-d5	117	8.575	8.575	0.000	86	581654	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.811	10.823	-0.012	96	302212	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.285	5.287	-0.002	93	183208	15.8	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.581	5.582	-0.001	99	206391	15.6	
$	6 Toluene-d8 (Surr)	98	7.250	7.251	-0.001	93	827771	16.4	
$	7 4-Bromofluorobenzene (Surr)	95	9.675	9.677	-0.002	91	310100	16.3	
	9 Dichlorodifluoromethane	85		1.760				ND	
	10 Chloromethane	50		1.962				ND	
	11 Vinyl chloride	62		2.080				ND	
	13 Bromomethane	94		2.435				ND	
	15 Chloroethane	64		2.541				ND	
	17 Trichlorofluoromethane	101		2.814				ND	
	24 1,1-Dichloroethene	61		3.322				ND	
	22 112TCTFE	101		3.322				ND	
	23 Acetone	58	3.369	3.358	0.011	95	812	0.4527	
	26 Carbon disulfide	76		3.535				ND	
	30 Methylene Chloride	49		3.760				ND	
	31 2-Methyl-2-propanol	59		3.843				ND	
	33 Methyl tert-butyl ether	73		4.009				ND	
	34 trans-1,2-Dichloroethene	61		4.020				ND	
	36 1,1-Dichloroethane	63		4.387				ND	
	37 Vinyl acetate	43		4.423				ND	
	38 Isopropyl ether	87		4.445				ND	
	40 Tert-butyl ethyl ether	59		4.753				ND	
	43 cis-1,2-Dichloroethene	96		4.884				ND	
	41 2-Butanone (MEK)	72		4.884				ND	
	42 2,2-Dichloropropane	77		4.896				ND	
	47 Chlorobromomethane	49		5.085				ND	
	49 Chloroform	83		5.156				ND	
	50 1,1,1-Trichloroethane	97		5.334				ND	
	53 Carbon tetrachloride	117		5.476				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 1,1-Dichloropropene	75		5.476				ND	
56 1,2-Dichloroethane	62		5.653				ND	
55 Benzene	78		5.653				ND	
57 Tert-amyl methyl ether	73		5.735				ND	
60 Trichloroethene	130		6.198				ND	
63 1,2-Dichloropropane	63		6.387				ND	
66 Dibromomethane	174		6.494				ND	
67 Dichlorobromomethane	83		6.612				ND	
69 2-Chloroethyl vinyl ether	63		6.848				ND	
71 cis-1,3-Dichloropropene	75		7.002				ND	
72 4-Methyl-2-pentanone (MIBK)	43		7.121				ND	
73 Toluene	91		7.310				ND	
74 trans-1,3-Dichloropropene	75		7.487				ND	
77 1,3-Dichloropropane	76		7.807				ND	
78 Tetrachloroethene	166		7.819				ND	
80 2-Hexanone	43		7.866				ND	
82 Chlorodibromomethane	129		8.032				ND	
83 Ethylene Dibromide	107		8.150				ND	
85 Chlorobenzene	112		8.600				ND	
86 1,1,1,2-Tetrachloroethane	131		8.671				ND	
87 Ethylbenzene	106		8.694				ND	
88 m-Xylene & p-Xylene	106		8.801				ND	7
89 o-Xylene	106		9.180				ND	
90 Styrene	104		9.191				ND	
91 Bromoform	173		9.369				ND	
92 Isopropylbenzene	105		9.535				ND	
94 1,1,2,2-Tetrachloroethane	83		9.795				ND	
95 Bromobenzene	156		9.842				ND	
97 1,2,3-Trichloropropane	110		9.854				ND	
98 N-Propylbenzene	120		9.925				ND	
100 2-Chlorotoluene	126		10.020				ND	
102 4-Chlorotoluene	126		10.126				ND	
104 tert-Butylbenzene	119		10.422				ND	
106 1,2,4-Trimethylbenzene	105		10.469				ND	
107 sec-Butylbenzene	134		10.635				ND	
108 1,3-Dichlorobenzene	146		10.753				ND	
109 4-Isopropyltoluene	119		10.777				ND	
110 1,4-Dichlorobenzene	146		10.836				ND	
111 1,2,3-Trimethylbenzene	105		10.882				ND	
113 n-Butylbenzene	91		11.179				ND	
114 1,2-Dichlorobenzene	146		11.215				ND	
115 1,2-Dibromo-3-Chloropropane	157		11.984				ND	
117 1,2,4-Trichlorobenzene	180		12.824				ND	
118 Hexachlorobutadiene	225		13.002				ND	
119 Naphthalene	128		13.084				ND	
120 1,2,3-Trichlorobenzene	180		13.357				ND	
S 131 Xylenes, Total	106		17.230				ND	
T 157 Chlorodifluoromethane TIC	51		2.413				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm40mL_vials_00016	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	1.63	Units: uL	Run Reagent

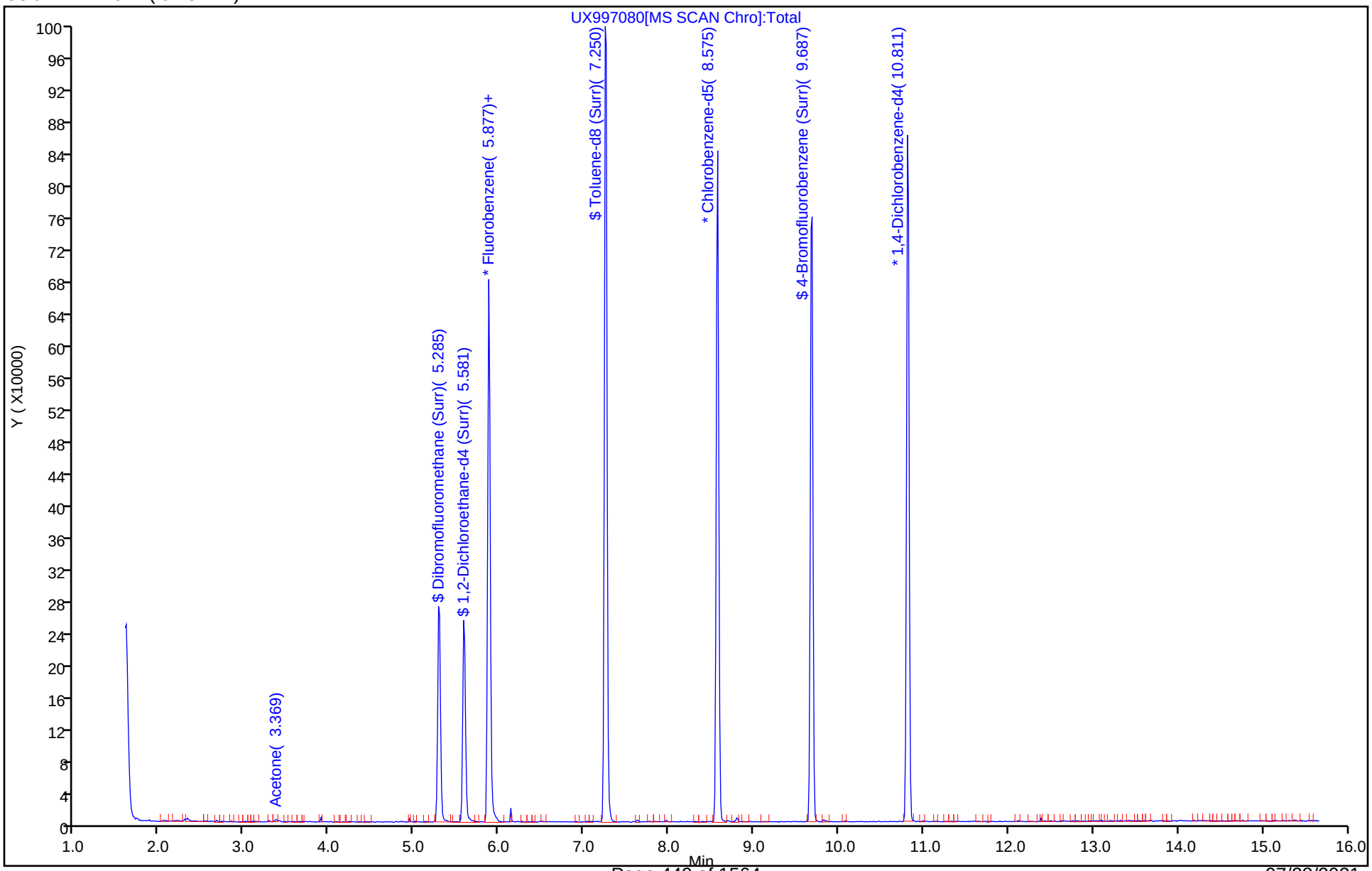
Report Date: 26-Jul-2021 09:01:40 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997080.D

Injection Date:	22-Jul-2021 17:37:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	240-152946-B-13	Lab Sample ID:	240-152946-13	Worklist Smp#:	20
Client ID:	MSA-SW41A-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997080.D
Lims ID: 240-152946-B-13
Client ID: MSA-SW41A-071521
Sample Type: Client
Inject. Date: 22-Jul-2021 17:37:30 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111471-020
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jul-2021 08:44:13 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: bosworthh Date: 26-Jul-2021 09:01:39

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	16.3	15.8	96.64
$ 5 1,2-Dichloroethane-d4 (Surr)	16.3	15.6	95.43
$ 6 Toluene-d8 (Surr)	16.3	16.4	100.66
$ 7 4-Bromofluorobenzene (Surr)	16.3	16.3	99.95

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41B-071521 Lab Sample ID: 240-152946-14

Matrix: Water Lab File ID: UX997081.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:21

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 18:00

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41B-071521 Lab Sample ID: 240-152946-14

Matrix: Water Lab File ID: UX997081.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:21

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 18:00

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41B-071521 Lab Sample ID: 240-152946-14

Matrix: Water Lab File ID: UX997081.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:21

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 18:00

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.: 496159 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	98		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		75-130
2037-26-5	Toluene-d8 (Surr)	99		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41B-071521 Lab Sample ID: 240-152946-14

Matrix: Water Lab File ID: UX997081.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:21

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 18:00

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41B-071521 Lab Sample ID: 240-152946-14

Matrix: Water Lab File ID: UX997081.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:21

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 18:00

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.: 496159 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\A3UX9\20210722-111471.b\UX997081.D
Lims ID: 240-152946-B-14
Client ID: MSA-SW41B-071521
Sample Type: Client
Inject. Date: 22-Jul-2021 18:00:30 ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111471-021
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jul-2021 08:44:13 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: bosworthh Date: 26-Jul-2021 09:02:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.879	5.877	0.002	99	679999	20.0	
* 2 Chlorobenzene-d5	117	8.577	8.575	0.002	86	568331	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.814	10.823	-0.009	95	286958	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.288	5.287	0.001	92	180282	16.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.584	5.582	0.002	100	202018	15.7	
$ 6 Toluene-d8 (Surr)	98	7.252	7.251	0.001	93	798519	16.2	
$ 7 4-Bromofluorobenzene (Surr)	95	9.678	9.677	0.001	90	305003	16.4	
9 Dichlorodifluoromethane	85		1.760				ND	
10 Chloromethane	50		1.962				ND	
11 Vinyl chloride	62		2.080				ND	
13 Bromomethane	94		2.435				ND	
15 Chloroethane	64		2.541				ND	
17 Trichlorofluoromethane	101		2.814				ND	
24 1,1-Dichloroethene	61		3.322				ND	
22 112TCTFE	101		3.322				ND	
23 Acetone	58	3.383	3.358	0.025	96	863	0.4945	
26 Carbon disulfide	76		3.535				ND	
30 Methylene Chloride	49		3.760				ND	
31 2-Methyl-2-propanol	59		3.843				ND	
33 Methyl tert-butyl ether	73		4.009				ND	
34 trans-1,2-Dichloroethene	61		4.020				ND	
36 1,1-Dichloroethane	63		4.387				ND	
37 Vinyl acetate	43		4.423				ND	
38 Isopropyl ether	87		4.445				ND	
40 Tert-butyl ethyl ether	59		4.753				ND	
43 cis-1,2-Dichloroethene	96		4.884				ND	
41 2-Butanone (MEK)	72		4.884				ND	
42 2,2-Dichloropropane	77		4.896				ND	
47 Chlorobromomethane	49		5.085				ND	
49 Chloroform	83		5.156				ND	
50 1,1,1-Trichloroethane	97		5.334				ND	
53 Carbon tetrachloride	117		5.476				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 1,1-Dichloropropene	75		5.476				ND	
56 1,2-Dichloroethane	62		5.653				ND	
55 Benzene	78		5.653				ND	
57 Tert-amyl methyl ether	73		5.735				ND	
60 Trichloroethene	130		6.198				ND	
63 1,2-Dichloropropane	63		6.387				ND	
66 Dibromomethane	174		6.494				ND	
67 Dichlorobromomethane	83		6.612				ND	
69 2-Chloroethyl vinyl ether	63		6.848				ND	
71 cis-1,3-Dichloropropene	75		7.002				ND	
72 4-Methyl-2-pentanone (MIBK)	43		7.121				ND	
73 Toluene	91		7.310				ND	7
74 trans-1,3-Dichloropropene	75		7.487				ND	
77 1,3-Dichloropropane	76		7.807				ND	
78 Tetrachloroethene	166		7.819				ND	
80 2-Hexanone	43		7.866				ND	
82 Chlorodibromomethane	129		8.032				ND	
83 Ethylene Dibromide	107		8.150				ND	
85 Chlorobenzene	112		8.600				ND	
86 1,1,1,2-Tetrachloroethane	131		8.671				ND	
87 Ethylbenzene	106		8.694				ND	
88 m-Xylene & p-Xylene	106		8.801				ND	7
89 o-Xylene	106		9.180				ND	
90 Styrene	104		9.191				ND	
91 Bromoform	173		9.369				ND	
92 Isopropylbenzene	105		9.535				ND	
94 1,1,2,2-Tetrachloroethane	83		9.795				ND	
95 Bromobenzene	156		9.842				ND	
97 1,2,3-Trichloropropane	110		9.854				ND	
98 N-Propylbenzene	120		9.925				ND	
100 2-Chlorotoluene	126		10.020				ND	
102 4-Chlorotoluene	126		10.126				ND	
104 tert-Butylbenzene	119		10.422				ND	
106 1,2,4-Trimethylbenzene	105		10.469				ND	
107 sec-Butylbenzene	134		10.635				ND	
108 1,3-Dichlorobenzene	146		10.753				ND	
109 4-Isopropyltoluene	119		10.777				ND	
110 1,4-Dichlorobenzene	146		10.836				ND	
111 1,2,3-Trimethylbenzene	105		10.882				ND	
113 n-Butylbenzene	91		11.179				ND	
114 1,2-Dichlorobenzene	146		11.215				ND	
115 1,2-Dibromo-3-Chloropropane	157		11.984				ND	
117 1,2,4-Trichlorobenzene	180		12.824				ND	
118 Hexachlorobutadiene	225		13.002				ND	
119 Naphthalene	128		13.084				ND	
120 1,2,3-Trichlorobenzene	180		13.357				ND	
S 131 Xylenes, Total	106		17.230				ND	
T 157 Chlorodifluoromethane TIC	51		2.413				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm40mL_vials_00016	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	1.63	Units: uL	Run Reagent

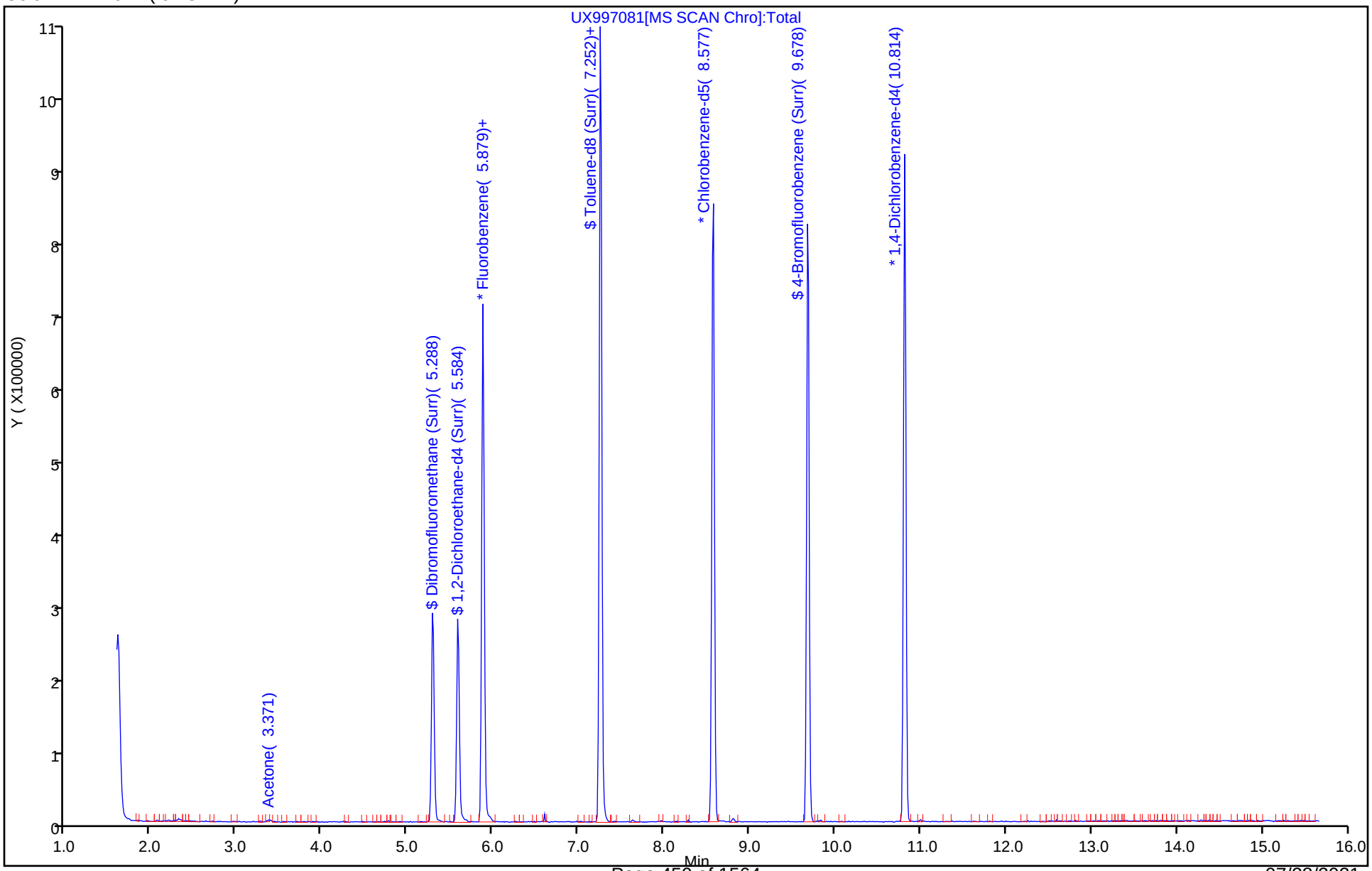
Report Date: 26-Jul-2021 09:02:19 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997081.D

Injection Date:	22-Jul-2021 18:00:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	240-152946-B-14	Lab Sample ID:	240-152946-14	Worklist Smp#:	21
Client ID:	MSA-SW41B-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997081.D
Lims ID: 240-152946-B-14
Client ID: MSA-SW41B-071521
Sample Type: Client
Inject. Date: 22-Jul-2021 18:00:30 ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111471-021
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jul-2021 08:44:13 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: bosworthh Date: 26-Jul-2021 09:02:19

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	16.3	16.0	97.75
$ 5 1,2-Dichloroethane-d4 (Surr)	16.3	15.7	96.01
$ 6 Toluene-d8 (Surr)	16.3	16.2	99.38
$ 7 4-Bromofluorobenzene (Surr)	16.3	16.4	100.61

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41C-071521 Lab Sample ID: 240-152946-15

Matrix: Water Lab File ID: UX997082.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:25

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 18:23

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41C-071521 Lab Sample ID: 240-152946-15

Matrix: Water Lab File ID: UX997082.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:25

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 18:23

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41C-071521 Lab Sample ID: 240-152946-15

Matrix: Water Lab File ID: UX997082.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:25

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 18:23

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.: 496159 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	100		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		75-130
2037-26-5	Toluene-d8 (Surr)	102		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41C-071521 Lab Sample ID: 240-152946-15

Matrix: Water Lab File ID: UX997082.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:25

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 18:23

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41C-071521 Lab Sample ID: 240-152946-15

Matrix: Water Lab File ID: UX997082.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:25

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 18:23

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.: 496159 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\A3UX9\20210722-111471.b\UX997082.D
Lims ID: 240-152946-B-15
Client ID: MSA-SW41C-071521
Sample Type: Client
Inject. Date: 22-Jul-2021 18:23:30 ALS Bottle#: 22 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111471-022
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jul-2021 08:44:13 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: bosworthh Date: 26-Jul-2021 09:02:43

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.878	5.877	0.001	99	644120	20.0	
*	2 Chlorobenzene-d5	117	8.576	8.575	0.001	86	536510	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.812	10.823	-0.011	96	272425	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.286	5.287	-0.001	92	174267	16.3	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.582	5.582	0.000	98	191366	15.7	
$	6 Toluene-d8 (Surr)	98	7.250	7.251	-0.001	93	770347	16.6	
$	7 4-Bromofluorobenzene (Surr)	95	9.676	9.677	-0.001	91	295889	16.9	
	9 Dichlorodifluoromethane	85		1.760				ND	
	10 Chloromethane	50		1.962				ND	
	11 Vinyl chloride	62		2.080				ND	
	13 Bromomethane	94		2.435				ND	
	15 Chloroethane	64		2.541				ND	
	17 Trichlorofluoromethane	101		2.814				ND	
	24 1,1-Dichloroethene	61		3.322				ND	
	22 112TCTFE	101		3.322				ND	
	23 Acetone	58		3.358				ND	
	26 Carbon disulfide	76		3.535				ND	
	30 Methylene Chloride	49		3.760				ND	
	31 2-Methyl-2-propanol	59		3.843				ND	
	33 Methyl tert-butyl ether	73		4.009				ND	
	34 trans-1,2-Dichloroethene	61		4.020				ND	
	36 1,1-Dichloroethane	63		4.387				ND	
	37 Vinyl acetate	43		4.423				ND	
	38 Isopropyl ether	87		4.445				ND	
	40 Tert-butyl ethyl ether	59		4.753				ND	
	43 cis-1,2-Dichloroethene	96		4.884				ND	
	41 2-Butanone (MEK)	72		4.884				ND	
	42 2,2-Dichloropropane	77		4.896				ND	
	47 Chlorobromomethane	49		5.085				ND	
	49 Chloroform	83		5.156				ND	
	50 1,1,1-Trichloroethane	97		5.334				ND	
	53 Carbon tetrachloride	117		5.476				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 1,1-Dichloropropene	75		5.476				ND	
56 1,2-Dichloroethane	62		5.653				ND	
55 Benzene	78		5.653				ND	7
57 Tert-amyl methyl ether	73		5.735				ND	
60 Trichloroethene	130		6.198				ND	
63 1,2-Dichloropropane	63		6.387				ND	
66 Dibromomethane	174		6.494				ND	
67 Dichlorobromomethane	83		6.612				ND	
69 2-Chloroethyl vinyl ether	63		6.848				ND	
71 cis-1,3-Dichloropropene	75		7.002				ND	
72 4-Methyl-2-pentanone (MIBK)	43		7.121				ND	
73 Toluene	91	7.309	7.310	-0.001	95	7248	0.1334	
74 trans-1,3-Dichloropropene	75		7.487				ND	
77 1,3-Dichloropropane	76		7.807				ND	
78 Tetrachloroethene	166		7.819				ND	
80 2-Hexanone	43		7.866				ND	
82 Chlorodibromomethane	129		8.032				ND	
83 Ethylene Dibromide	107		8.150				ND	
85 Chlorobenzene	112		8.600				ND	
86 1,1,1,2-Tetrachloroethane	131		8.671				ND	
87 Ethylbenzene	106		8.694				ND	
88 m-Xylene & p-Xylene	106	8.800	8.801	-0.001	93	2904	0.1122	
89 o-Xylene	106		9.180				ND	
90 Styrene	104		9.191				ND	
91 Bromoform	173		9.369				ND	
92 Isopropylbenzene	105		9.535				ND	
94 1,1,2,2-Tetrachloroethane	83		9.795				ND	
95 Bromobenzene	156		9.842				ND	
97 1,2,3-Trichloropropane	110		9.854				ND	
98 N-Propylbenzene	120		9.925				ND	
100 2-Chlorotoluene	126		10.020				ND	
102 4-Chlorotoluene	126		10.126				ND	
104 tert-Butylbenzene	119		10.422				ND	
106 1,2,4-Trimethylbenzene	105		10.469				ND	
107 sec-Butylbenzene	134		10.635				ND	
108 1,3-Dichlorobenzene	146		10.753				ND	
109 4-Isopropyltoluene	119		10.777				ND	
110 1,4-Dichlorobenzene	146		10.836				ND	
111 1,2,3-Trimethylbenzene	105		10.882				ND	
113 n-Butylbenzene	91		11.179				ND	
114 1,2-Dichlorobenzene	146		11.215				ND	
115 1,2-Dibromo-3-Chloropropane	157		11.984				ND	
117 1,2,4-Trichlorobenzene	180		12.824				ND	
118 Hexachlorobutadiene	225		13.002				ND	
119 Naphthalene	128		13.084				ND	
120 1,2,3-Trichlorobenzene	180		13.357				ND	
S 131 Xylenes, Total	106				0		0.1122	
T 157 Chlorodifluoromethane TIC	51		2.413				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm40mL_vials_00016	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	1.63	Units: uL	Run Reagent

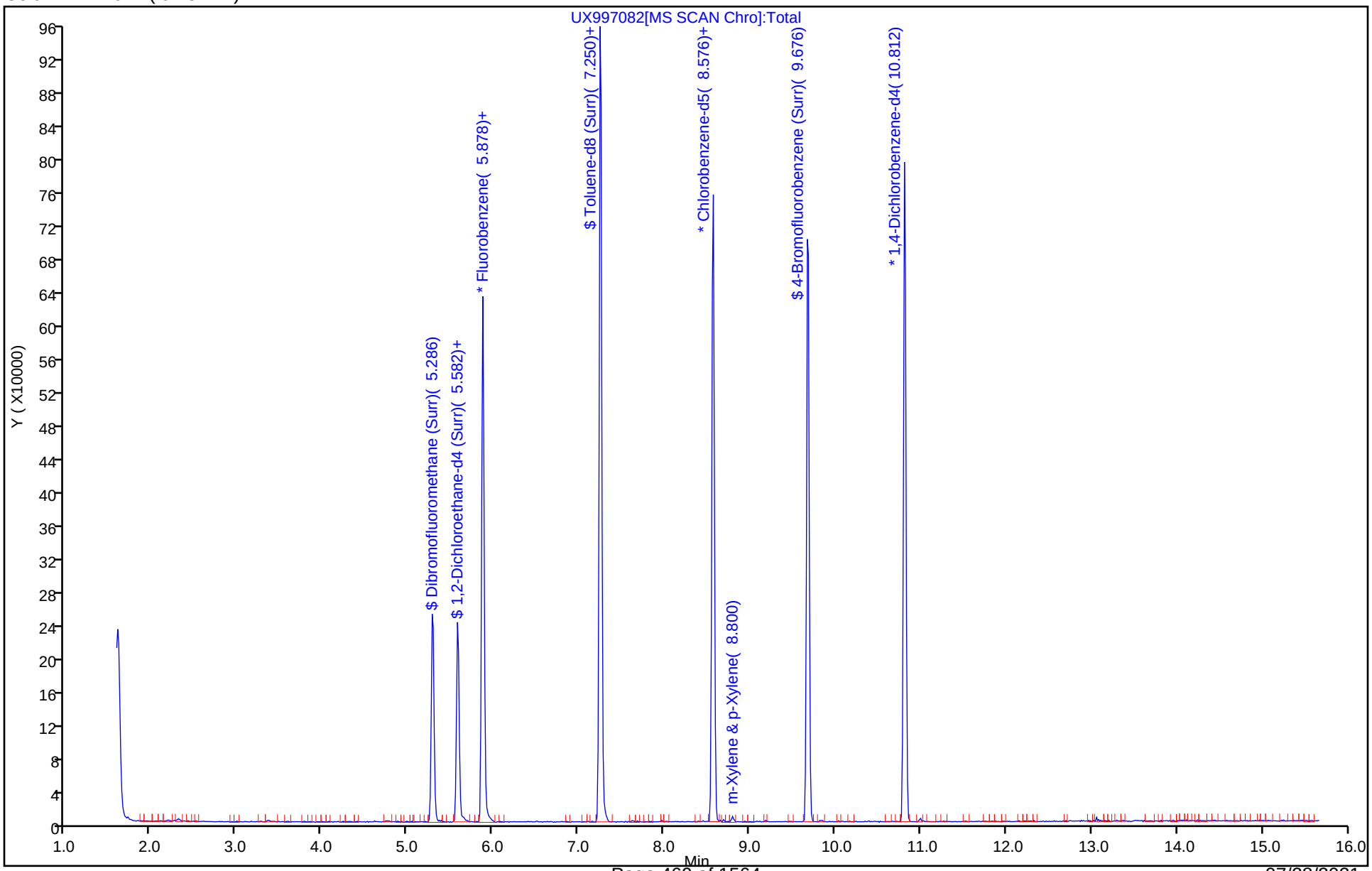
Report Date: 26-Jul-2021 09:02:43 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997082.D

Injection Date:	22-Jul-2021 18:23:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	240-152946-B-15	Lab Sample ID:	240-152946-15	Worklist Smp#:	22
Client ID:	MSA-SW41C-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997082.D
Lims ID: 240-152946-B-15
Client ID: MSA-SW41C-071521
Sample Type: Client
Inject. Date: 22-Jul-2021 18:23:30 ALS Bottle#: 22 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111471-022
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jul-2021 08:44:13 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: bosworthh Date: 26-Jul-2021 09:02:43

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	16.3	16.3	99.75
$ 5 1,2-Dichloroethane-d4 (Surr)	16.3	15.7	96.01
$ 6 Toluene-d8 (Surr)	16.3	16.6	101.56
$ 7 4-Bromofluorobenzene (Surr)	16.3	16.9	103.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41D-071521 Lab Sample ID: 240-152946-16

Matrix: Water Lab File ID: UX997083.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:27

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 18:45

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41D-071521 Lab Sample ID: 240-152946-16

Matrix: Water Lab File ID: UX997083.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:27

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 18:45

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41D-071521 Lab Sample ID: 240-152946-16

Matrix: Water Lab File ID: UX997083.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:27

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 18:45

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.: 496159 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)	109		47-134
1868-53-7	Dibromofluoromethane (Surr)	107		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		75-130
2037-26-5	Toluene-d8 (Surr)	107		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41D-071521 Lab Sample ID: 240-152946-16

Matrix: Water Lab File ID: UX997083.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:27

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 18:45

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41D-071521 Lab Sample ID: 240-152946-16

Matrix: Water Lab File ID: UX997083.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:27

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 18:45

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.: 496159 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\A3UX9\20210722-111471.b\UX997083.D
Lims ID: 240-152946-B-16
Client ID: MSA-SW41D-071521
Sample Type: Client
Inject. Date: 22-Jul-2021 18:45:30 ALS Bottle#: 23 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111471-023
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jul-2021 08:44:13 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: bosworthh Date: 26-Jul-2021 09:03:05

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.879	5.877	0.002	99	576618	20.0	
*	2 Chlorobenzene-d5	117	8.577	8.575	0.002	86	488175	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.814	10.823	-0.009	95	247497	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.288	5.287	0.001	92	167530	17.5	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.583	5.582	0.001	99	183443	16.8	
$	6 Toluene-d8 (Surr)	98	7.252	7.251	0.001	93	735094	17.4	
$	7 4-Bromofluorobenzene (Surr)	95	9.678	9.677	0.001	90	283972	17.8	
	9 Dichlorodifluoromethane	85		1.760				ND	
	10 Chloromethane	50		1.962				ND	
	11 Vinyl chloride	62		2.080				ND	
	13 Bromomethane	94		2.435				ND	
	15 Chloroethane	64		2.541				ND	
	17 Trichlorofluoromethane	101		2.814				ND	
	24 1,1-Dichloroethene	61		3.322				ND	
	22 112TCTFE	101		3.322				ND	
	23 Acetone	58		3.358				ND	
	26 Carbon disulfide	76		3.535				ND	
	30 Methylene Chloride	49		3.760				ND	
	31 2-Methyl-2-propanol	59		3.843				ND	
	33 Methyl tert-butyl ether	73		4.009				ND	
	34 trans-1,2-Dichloroethene	61		4.020				ND	
	36 1,1-Dichloroethane	63		4.387				ND	
	37 Vinyl acetate	43		4.423				ND	
	38 Isopropyl ether	87		4.445				ND	
	40 Tert-butyl ethyl ether	59		4.753				ND	
	43 cis-1,2-Dichloroethene	96		4.884				ND	
	41 2-Butanone (MEK)	72		4.884				ND	
	42 2,2-Dichloropropane	77		4.896				ND	
	47 Chlorobromomethane	49		5.085				ND	
	49 Chloroform	83		5.156				ND	
	50 1,1,1-Trichloroethane	97		5.334				ND	
	53 Carbon tetrachloride	117		5.476				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 1,1-Dichloropropene	75		5.476				ND	
56 1,2-Dichloroethane	62		5.653				ND	
55 Benzene	78		5.653				ND	
57 Tert-amyl methyl ether	73		5.735				ND	
60 Trichloroethene	130		6.198				ND	
63 1,2-Dichloropropane	63		6.387				ND	
66 Dibromomethane	174		6.494				ND	
67 Dichlorobromomethane	83		6.612				ND	
69 2-Chloroethyl vinyl ether	63		6.848				ND	
71 cis-1,3-Dichloropropene	75		7.002				ND	
72 4-Methyl-2-pentanone (MIBK)	43		7.121				ND	
73 Toluene	91		7.310				ND	7
74 trans-1,3-Dichloropropene	75		7.487				ND	
77 1,3-Dichloropropane	76		7.807				ND	
78 Tetrachloroethene	166		7.819				ND	
80 2-Hexanone	43		7.866				ND	
82 Chlorodibromomethane	129		8.032				ND	
83 Ethylene Dibromide	107		8.150				ND	
85 Chlorobenzene	112		8.600				ND	
86 1,1,1,2-Tetrachloroethane	131		8.671				ND	
87 Ethylbenzene	106		8.694				ND	
88 m-Xylene & p-Xylene	106		8.801				ND	7
89 o-Xylene	106		9.180				ND	
90 Styrene	104		9.191				ND	
91 Bromoform	173		9.369				ND	
92 Isopropylbenzene	105		9.535				ND	
94 1,1,2,2-Tetrachloroethane	83		9.795				ND	
95 Bromobenzene	156		9.842				ND	
97 1,2,3-Trichloropropane	110		9.854				ND	
98 N-Propylbenzene	120		9.925				ND	
100 2-Chlorotoluene	126		10.020				ND	
102 4-Chlorotoluene	126		10.126				ND	
104 tert-Butylbenzene	119		10.422				ND	
106 1,2,4-Trimethylbenzene	105		10.469				ND	
107 sec-Butylbenzene	134		10.635				ND	
108 1,3-Dichlorobenzene	146		10.753				ND	
109 4-Isopropyltoluene	119		10.777				ND	
110 1,4-Dichlorobenzene	146		10.836				ND	
111 1,2,3-Trimethylbenzene	105		10.882				ND	
113 n-Butylbenzene	91		11.179				ND	
114 1,2-Dichlorobenzene	146		11.215				ND	
115 1,2-Dibromo-3-Chloropropane	157		11.984				ND	
117 1,2,4-Trichlorobenzene	180		12.824				ND	
118 Hexachlorobutadiene	225		13.002				ND	
119 Naphthalene	128		13.084				ND	
120 1,2,3-Trichlorobenzene	180		13.357				ND	
S 131 Xylenes, Total	106		17.230				ND	
T 157 Chlorodifluoromethane TIC	51		2.413				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm40mL_vials_00016	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	1.63	Units: uL	Run Reagent

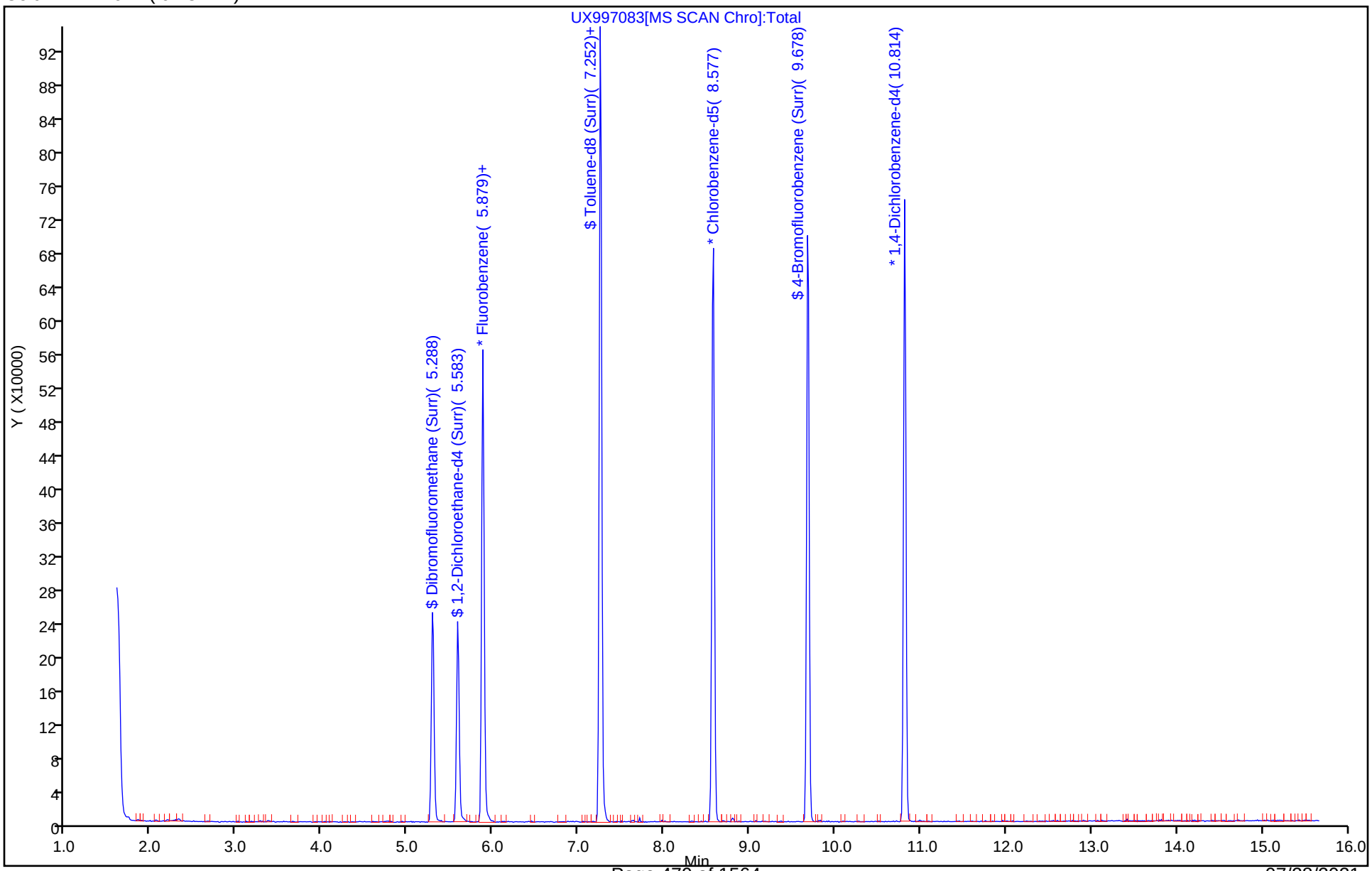
Report Date: 26-Jul-2021 09:03:05 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997083.D

Injection Date:	22-Jul-2021 18:45:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	240-152946-B-16	Lab Sample ID:	240-152946-16	Worklist Smp#:	23
Client ID:	MSA-SW41D-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997083.D
Lims ID: 240-152946-B-16
Client ID: MSA-SW41D-071521
Sample Type: Client
Inject. Date: 22-Jul-2021 18:45:30 ALS Bottle#: 23 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111471-023
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jul-2021 08:44:13 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: bosworthh Date: 26-Jul-2021 09:03:05

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	16.3	17.5	107.12
$ 5 1,2-Dichloroethane-d4 (Surr)	16.3	16.8	102.81
$ 6 Toluene-d8 (Surr)	16.3	17.4	106.50
$ 7 4-Bromofluorobenzene (Surr)	16.3	17.8	109.06

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42A-071521 Lab Sample ID: 240-152946-17

Matrix: Water Lab File ID: UX997084.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:08

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 19:08

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42A-071521 Lab Sample ID: 240-152946-17

Matrix: Water Lab File ID: UX997084.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:08

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 19:08

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42A-071521 Lab Sample ID: 240-152946-17

Matrix: Water Lab File ID: UX997084.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:08

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 19:08

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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)	105		47-134
1868-53-7	Dibromofluoromethane (Surr)	101		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		75-130
2037-26-5	Toluene-d8 (Surr)	102		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42A-071521 Lab Sample ID: 240-152946-17

Matrix: Water Lab File ID: UX997084.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:08

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 19:08

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42A-071521 Lab Sample ID: 240-152946-17

Matrix: Water Lab File ID: UX997084.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:08

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 19:08

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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\A3UX9\20210722-111471.b\UX997084.D
Lims ID: 240-152946-B-17
Client ID: MSA-SW42A-071521
Sample Type: Client
Inject. Date: 22-Jul-2021 19:08:30 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111471-024
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jul-2021 08:44:13 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: bosworthh Date: 26-Jul-2021 09:03:30

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.876	5.877	-0.001	99	561808	20.0	
*	2 Chlorobenzene-d5	117	8.574	8.575	-0.001	86	466578	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.823	10.823	0.000	95	238343	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.297	5.287	0.010	93	153282	16.4	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.581	5.582	-0.001	100	163997	15.4	
$	6 Toluene-d8 (Surr)	98	7.261	7.251	0.010	93	674793	16.7	
$	7 4-Bromofluorobenzene (Surr)	95	9.675	9.677	-0.002	90	260089	17.1	
	9 Dichlorodifluoromethane	85		1.760				ND	
	10 Chloromethane	50		1.962				ND	
	11 Vinyl chloride	62		2.080				ND	
	13 Bromomethane	94		2.435				ND	
	15 Chloroethane	64		2.541				ND	
	17 Trichlorofluoromethane	101		2.814				ND	
	24 1,1-Dichloroethene	61		3.322				ND	
	22 112TCTFE	101		3.322				ND	
	23 Acetone	58		3.358				ND	
	26 Carbon disulfide	76		3.535				ND	
	30 Methylene Chloride	49		3.760				ND	
	31 2-Methyl-2-propanol	59		3.843				ND	
	33 Methyl tert-butyl ether	73		4.009				ND	
	34 trans-1,2-Dichloroethene	61		4.020				ND	
	36 1,1-Dichloroethane	63		4.387				ND	
	37 Vinyl acetate	43		4.423				ND	
	38 Isopropyl ether	87		4.445				ND	
	40 Tert-butyl ethyl ether	59		4.753				ND	
	43 cis-1,2-Dichloroethene	96		4.884				ND	
	41 2-Butanone (MEK)	72		4.884				ND	
	42 2,2-Dichloropropane	77		4.896				ND	
	47 Chlorobromomethane	49		5.085				ND	
	49 Chloroform	83		5.156				ND	
	50 1,1,1-Trichloroethane	97		5.334				ND	
	53 Carbon tetrachloride	117		5.476				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 1,1-Dichloropropene	75		5.476				ND	
56 1,2-Dichloroethane	62		5.653				ND	
55 Benzene	78		5.653				ND	
57 Tert-amyl methyl ether	73		5.735				ND	
60 Trichloroethene	130		6.198				ND	
63 1,2-Dichloropropane	63		6.387				ND	
66 Dibromomethane	174		6.494				ND	
67 Dichlorobromomethane	83		6.612				ND	
69 2-Chloroethyl vinyl ether	63		6.848				ND	
71 cis-1,3-Dichloropropene	75		7.002				ND	
72 4-Methyl-2-pentanone (MIBK)	43		7.121				ND	
73 Toluene	91		7.310				ND	
74 trans-1,3-Dichloropropene	75		7.487				ND	
77 1,3-Dichloropropane	76		7.807				ND	
78 Tetrachloroethene	166		7.819				ND	
80 2-Hexanone	43		7.866				ND	
82 Chlorodibromomethane	129		8.032				ND	
83 Ethylene Dibromide	107		8.150				ND	
85 Chlorobenzene	112		8.600				ND	
86 1,1,1,2-Tetrachloroethane	131		8.671				ND	
87 Ethylbenzene	106		8.694				ND	
88 m-Xylene & p-Xylene	106		8.801				ND	7
89 o-Xylene	106		9.180				ND	
90 Styrene	104		9.191				ND	
91 Bromoform	173		9.369				ND	
92 Isopropylbenzene	105		9.535				ND	
94 1,1,2,2-Tetrachloroethane	83		9.795				ND	
95 Bromobenzene	156		9.842				ND	
97 1,2,3-Trichloropropane	110		9.854				ND	
98 N-Propylbenzene	120		9.925				ND	
100 2-Chlorotoluene	126		10.020				ND	
102 4-Chlorotoluene	126		10.126				ND	
104 tert-Butylbenzene	119		10.422				ND	
106 1,2,4-Trimethylbenzene	105		10.469				ND	
107 sec-Butylbenzene	134		10.635				ND	
108 1,3-Dichlorobenzene	146		10.753				ND	
109 4-Isopropyltoluene	119		10.777				ND	
110 1,4-Dichlorobenzene	146		10.836				ND	
111 1,2,3-Trimethylbenzene	105		10.882				ND	
113 n-Butylbenzene	91		11.179				ND	
114 1,2-Dichlorobenzene	146		11.215				ND	
115 1,2-Dibromo-3-Chloropropane	157		11.984				ND	
117 1,2,4-Trichlorobenzene	180		12.824				ND	
118 Hexachlorobutadiene	225		13.002				ND	
119 Naphthalene	128		13.084				ND	
120 1,2,3-Trichlorobenzene	180		13.357				ND	
S 131 Xylenes, Total	106		17.230				ND	
T 157 Chlorodifluoromethane TIC	51		2.413				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm40mL_vials_00016	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	1.63	Units: uL	Run Reagent

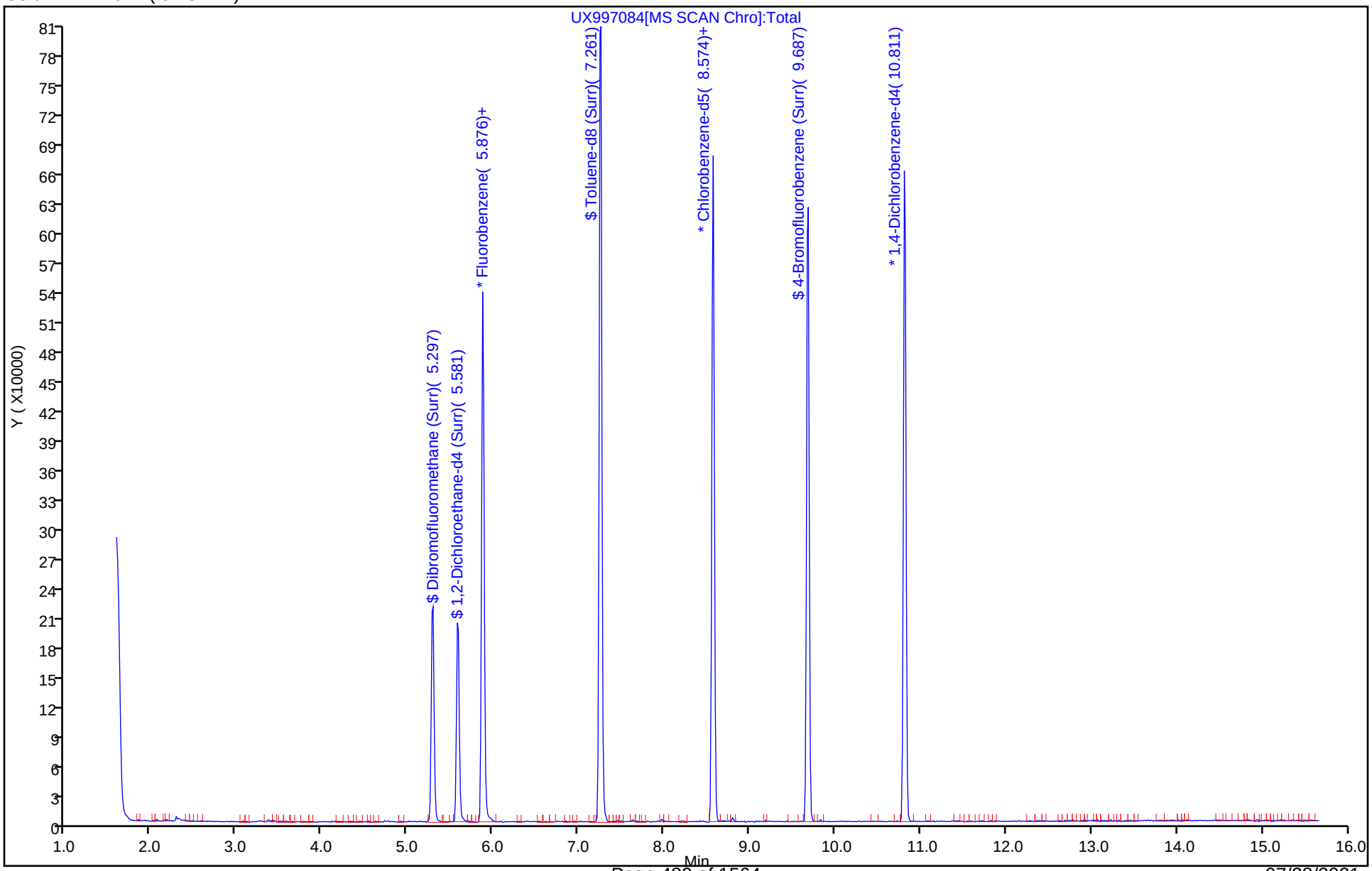
Report Date: 26-Jul-2021 09:03:30 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997084.D

Injection Date:	22-Jul-2021 19:08:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	240-152946-B-17	Lab Sample ID:	240-152946-17	Worklist Smp#:	24
Client ID:	MSA-SW42A-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997084.D
Lims ID: 240-152946-B-17
Client ID: MSA-SW42A-071521
Sample Type: Client
Inject. Date: 22-Jul-2021 19:08:30 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111471-024
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jul-2021 08:44:13 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: bosworthh Date: 26-Jul-2021 09:03:30

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	16.3	16.4	100.59
$ 5 1,2-Dichloroethane-d4 (Surr)	16.3	15.4	94.34
$ 6 Toluene-d8 (Surr)	16.3	16.7	102.29
$ 7 4-Bromofluorobenzene (Surr)	16.3	17.1	104.51

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42B-071521 Lab Sample ID: 240-152946-18

Matrix: Water Lab File ID: UXM38845.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:10

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 18:00

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.: 496537 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42B-071521 Lab Sample ID: 240-152946-18

Matrix: Water Lab File ID: UXM38845.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:10

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 18:00

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.: 496537 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42B-071521 Lab Sample ID: 240-152946-18

Matrix: Water Lab File ID: UXM38845.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:10

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 18:00

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.: 496537 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	110		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		75-130
2037-26-5	Toluene-d8 (Surr)	94		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42B-071521 Lab Sample ID: 240-152946-18

Matrix: Water Lab File ID: UXM38845.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:10

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 18:00

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.: 496537 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42B-071521 Lab Sample ID: 240-152946-18

Matrix: Water Lab File ID: UXM38845.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:10

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 18:00

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.: 496537 Units: ug/L

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

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\UXM38845.D
Lims ID: 240-152946-C-18
Client ID: MSA-SW42B-071521
Sample Type: Client
Inject. Date: 26-Jul-2021 18:00:30 ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111551-019
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Jul-2021 08:26:08 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: bosworthh Date: 27-Jul-2021 08:26:54

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.846	5.845	0.001	99	812371	20.0	
*	2 Chlorobenzene-d5	117	8.561	8.561	0.000	86	744420	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	439864	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.276	5.265	0.012	93	246879	25.0	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	289911	24.9	
$	6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	968665	21.3	
$	7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	90	400184	22.9	
	9 Dichlorodifluoromethane	85		1.707				ND	
	10 Chloromethane	50		1.897				ND	
	11 Vinyl chloride	62		2.015				ND	
	13 Bromomethane	94		2.347				ND	
	14 Chloroethane	64		2.478				ND	
	16 Trichlorofluoromethane	101		2.727				ND	
	19 1,1-Dichloroethene	96		3.237				ND	
	20 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.249				ND	
	21 Acetone	58		3.284				ND	
	24 Carbon disulfide	76		3.450				ND	
	28 Methylene Chloride	84		3.711				ND	
	29 2-Methyl-2-propanol	59		3.794				ND	
	31 Methyl tert-butyl ether	73		3.936				ND	
	32 trans-1,2-Dichloroethene	96		3.960				ND	
	35 Vinyl acetate	43		4.340				ND	
	34 1,1-Dichloroethane	63		4.351				ND	
	36 Isopropyl ether	87		4.363				ND	
	38 Tert-butyl ethyl ether	59		4.683				ND	
	40 2-Butanone (MEK)	72		4.826				ND	
	41 2,2-Dichloropropane	77		4.849				ND	
	39 cis-1,2-Dichloroethene	96		4.849				ND	
	45 Chlorobromomethane	128		5.051				ND	
	47 Chloroform	83		5.134				ND	
	48 1,1,1-Trichloroethane	97		5.288				ND	
	51 Carbon tetrachloride	117		5.419				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
50 1,1-Dichloropropene	75		5.419				ND	
54 Benzene	78		5.585				ND	
53 1,2-Dichloroethane	62		5.632				ND	
55 Tert-amyl methyl ether	73		5.679				ND	
58 Trichloroethene	130		6.154				ND	
61 1,2-Dichloropropane	63		6.379				ND	
63 Dibromomethane	93		6.450				ND	
65 Dichlorobromomethane	83		6.605				ND	
67 2-Chloroethyl vinyl ether	63		6.830				ND	
68 cis-1,3-Dichloropropene	75		6.984				ND	
69 4-Methyl-2-pentanone (MIBK)	43		7.103				ND	
70 Toluene	91		7.280				ND	
71 trans-1,3-Dichloropropene	75		7.482				ND	
75 Tetrachloroethene	164		7.755				ND	
74 1,3-Dichloropropane	76		7.814				ND	
76 2-Hexanone	43		7.850				ND	
78 Chlorodibromomethane	129		8.016				ND	
80 Ethylene Dibromide	107		8.134				ND	
82 Chlorobenzene	112		8.597				ND	
83 1,1,1,2-Tetrachloroethane	131		8.668				ND	
84 Ethylbenzene	106		8.680				ND	
85 m-Xylene & p-Xylene	106		8.798				ND	
86 o-Xylene	106		9.166				ND	
87 Styrene	104		9.178				ND	
88 Bromoform	173		9.368				ND	
89 Isopropylbenzene	105		9.522				ND	
92 1,1,2,2-Tetrachloroethane	83		9.818				ND	
93 Bromobenzene	156		9.842				ND	
95 1,2,3-Trichloropropane	110		9.877				ND	
96 N-Propylbenzene	120		9.925				ND	
97 2-Chlorotoluene	126		10.020				ND	
100 4-Chlorotoluene	126		10.138				ND	
102 tert-Butylbenzene	119		10.411				ND	
104 1,2,4-Trimethylbenzene	105		10.470				ND	
105 sec-Butylbenzene	105		10.636				ND	
106 1,3-Dichlorobenzene	146		10.755				ND	
107 4-Isopropyltoluene	119		10.779				ND	
108 1,4-Dichlorobenzene	146		10.862				ND	
109 1,2,3-Trimethylbenzene	105		10.885				ND	
111 n-Butylbenzene	91		11.194				ND	
112 1,2-Dichlorobenzene	146		11.217				ND	
113 1,2-Dibromo-3-Chloropropane	157		12.000				ND	
115 1,2,4-Trichlorobenzene	180		12.830				ND	
116 Hexachlorobutadiene	225		12.973				ND	
117 Naphthalene	128		13.115				ND	
118 1,2,3-Trichlorobenzene	180		13.364				ND	
S 133 Xylenes, Total	106		17.050				ND	
T 125 Chlorodifluoromethane TIC	51		1.897				ND	

QC Flag Legend

Processing Flags

Reagents:

vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00087	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

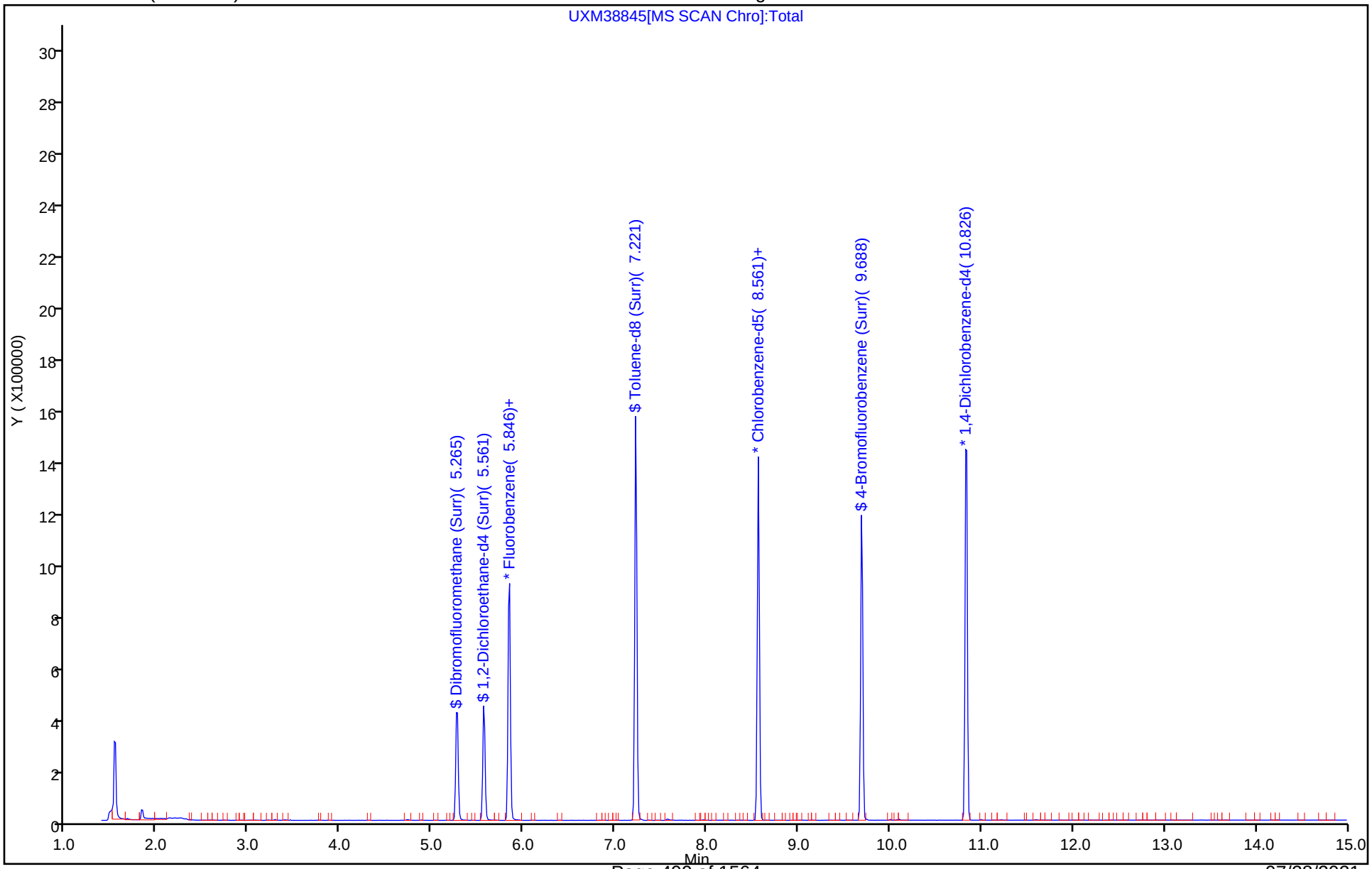
Report Date: 27-Jul-2021 08:26:54 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\UXM38845.D

Injection Date:	26-Jul-2021 18:00:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-152946-C-18	Lab Sample ID:	240-152946-18	Worklist Smp#:	19
Client ID:	MSA-SW42B-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\UXM38845.D
Lims ID: 240-152946-C-18
Client ID: MSA-SW42B-071521
Sample Type: Client
Inject. Date: 26-Jul-2021 18:00:30 ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111551-019
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Jul-2021 08:26:08 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: bosworthh Date: 27-Jul-2021 08:26:54

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	25.0	110.40
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	24.9	109.82
$ 6 Toluene-d8 (Surr)	22.7	21.3	94.11
$ 7 4-Bromofluorobenzene (Surr)	22.7	22.9	101.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42C-071521 Lab Sample ID: 240-152946-19

Matrix: Water Lab File ID: UX997086.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:13

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 19:53

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42C-071521 Lab Sample ID: 240-152946-19

Matrix: Water Lab File ID: UX997086.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:13

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 19:53

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42C-071521 Lab Sample ID: 240-152946-19

Matrix: Water Lab File ID: UX997086.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:13

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 19:53

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.: 496159 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)	104		47-134
1868-53-7	Dibromofluoromethane (Surr)	98		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		75-130
2037-26-5	Toluene-d8 (Surr)	106		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42C-071521 Lab Sample ID: 240-152946-19

Matrix: Water Lab File ID: UX997086.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:13

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 19:53

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.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42C-071521 Lab Sample ID: 240-152946-19

Matrix: Water Lab File ID: UX997086.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:13

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 19:53

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.: 496159 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\A3UX9\20210722-111471.b\UX997086.D
Lims ID: 240-152946-B-19
Client ID: MSA-SW42C-071521
Sample Type: Client
Inject. Date: 22-Jul-2021 19:53:30 ALS Bottle#: 26 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111471-026
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jul-2021 09:05:01 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: bosworthh Date: 26-Jul-2021 09:05:31

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.878	5.877	0.001	99	465139	20.0	
*	2 Chlorobenzene-d5	117	8.576	8.575	0.001	85	372782	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.812	10.823	-0.011	96	184638	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.286	5.287	-0.001	93	123729	16.0	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.582	5.582	0.000	99	127532	14.5	
$	6 Toluene-d8 (Surr)	98	7.250	7.251	-0.001	93	556680	17.2	
$	7 4-Bromofluorobenzene (Surr)	95	9.676	9.677	-0.001	91	207003	17.0	
	9 Dichlorodifluoromethane	85		1.760				ND	
	10 Chloromethane	50		1.962				ND	
	11 Vinyl chloride	62		2.080				ND	
	13 Bromomethane	94		2.435				ND	
	15 Chloroethane	64		2.541				ND	
	17 Trichlorofluoromethane	101		2.814				ND	
	24 1,1-Dichloroethene	61		3.322				ND	
	22 112TCTFE	101		3.322				ND	
	23 Acetone	58		3.358				ND	
	26 Carbon disulfide	76		3.535				ND	
	30 Methylene Chloride	49		3.760				ND	
	31 2-Methyl-2-propanol	59		3.843				ND	
	33 Methyl tert-butyl ether	73		4.009				ND	
	34 trans-1,2-Dichloroethene	61		4.020				ND	
	36 1,1-Dichloroethane	63		4.387				ND	
	37 Vinyl acetate	43		4.423				ND	
	38 Isopropyl ether	87		4.445				ND	
	40 Tert-butyl ethyl ether	59		4.753				ND	
	43 cis-1,2-Dichloroethene	96		4.884				ND	
	41 2-Butanone (MEK)	72		4.884				ND	
	42 2,2-Dichloropropane	77		4.896				ND	
	47 Chlorobromomethane	49		5.085				ND	
	49 Chloroform	83		5.156				ND	
	50 1,1,1-Trichloroethane	97		5.334				ND	
	53 Carbon tetrachloride	117		5.476				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 1,1-Dichloropropene	75		5.476				ND	
56 1,2-Dichloroethane	62		5.653				ND	
55 Benzene	78		5.653				ND	
57 Tert-amyl methyl ether	73		5.735				ND	
60 Trichloroethene	130		6.198				ND	
63 1,2-Dichloropropane	63		6.387				ND	
66 Dibromomethane	174		6.494				ND	
67 Dichlorobromomethane	83		6.612				ND	
69 2-Chloroethyl vinyl ether	63		6.848				ND	
71 cis-1,3-Dichloropropene	75		7.002				ND	
72 4-Methyl-2-pentanone (MIBK)	43		7.121				ND	
73 Toluene	91		7.310				ND	7
74 trans-1,3-Dichloropropene	75		7.487				ND	
77 1,3-Dichloropropane	76		7.807				ND	
78 Tetrachloroethene	166		7.819				ND	
80 2-Hexanone	43		7.866				ND	
82 Chlorodibromomethane	129		8.032				ND	
83 Ethylene Dibromide	107		8.150				ND	
85 Chlorobenzene	112		8.600				ND	
86 1,1,1,2-Tetrachloroethane	131		8.671				ND	
87 Ethylbenzene	106		8.694				ND	
88 m-Xylene & p-Xylene	106	8.800	8.801	-0.001	91	1734	0.0964	
89 o-Xylene	106		9.180				ND	
90 Styrene	104		9.191				ND	
91 Bromoform	173		9.369				ND	
92 Isopropylbenzene	105		9.535				ND	
94 1,1,2,2-Tetrachloroethane	83		9.795				ND	
95 Bromobenzene	156		9.842				ND	
97 1,2,3-Trichloropropane	110		9.854				ND	
98 N-Propylbenzene	120		9.925				ND	
100 2-Chlorotoluene	126		10.020				ND	
102 4-Chlorotoluene	126		10.126				ND	
104 tert-Butylbenzene	119		10.422				ND	
106 1,2,4-Trimethylbenzene	105		10.469				ND	
107 sec-Butylbenzene	134		10.635				ND	
108 1,3-Dichlorobenzene	146		10.753				ND	
109 4-Isopropyltoluene	119		10.777				ND	
110 1,4-Dichlorobenzene	146		10.836				ND	
111 1,2,3-Trimethylbenzene	105		10.882				ND	
113 n-Butylbenzene	91		11.179				ND	
114 1,2-Dichlorobenzene	146		11.215				ND	
115 1,2-Dibromo-3-Chloropropane	157		11.984				ND	
117 1,2,4-Trichlorobenzene	180		12.824				ND	
118 Hexachlorobutadiene	225		13.002				ND	
119 Naphthalene	128		13.084				ND	
120 1,2,3-Trichlorobenzene	180		13.357				ND	
S 131 Xylenes, Total	106				0		0.0964	
T 157 Chlorodifluoromethane TIC	51		2.413				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm40mL_vials_00016	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	1.63	Units: uL	Run Reagent

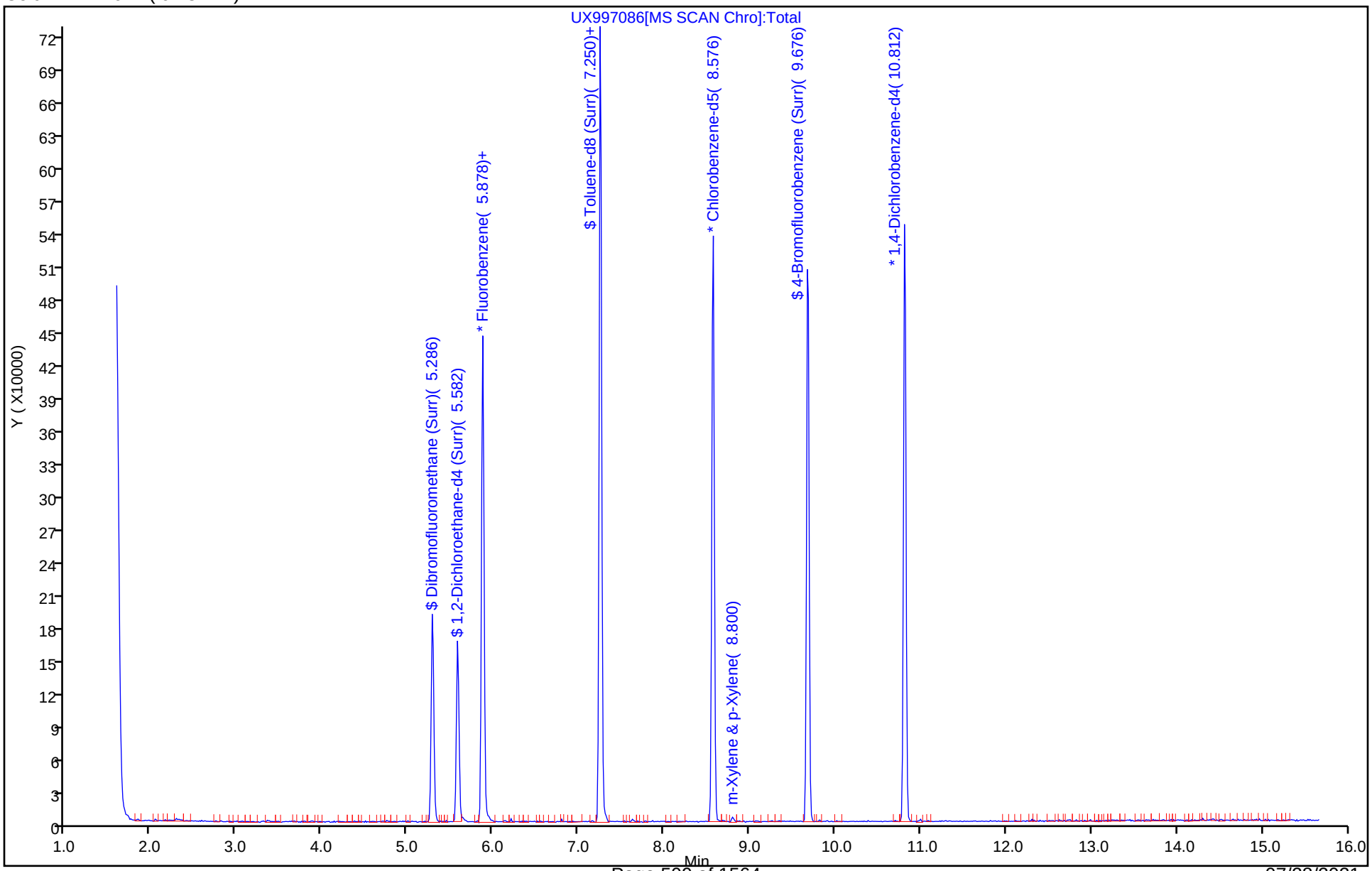
Report Date: 26-Jul-2021 09:05:31 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997086.D

Injection Date:	22-Jul-2021 19:53:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	240-152946-B-19	Lab Sample ID:	240-152946-19	Worklist Smp#:	26
Client ID:	MSA-SW42C-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997086.D
Lims ID: 240-152946-B-19
Client ID: MSA-SW42C-071521
Sample Type: Client
Inject. Date: 22-Jul-2021 19:53:30 ALS Bottle#: 26 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111471-026
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jul-2021 09:05:01 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: bosworthh Date: 26-Jul-2021 09:05:31

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	16.3	16.0	98.07
$ 5 1,2-Dichloroethane-d4 (Surr)	16.3	14.5	88.61
$ 6 Toluene-d8 (Surr)	16.3	17.2	105.62
$ 7 4-Bromofluorobenzene (Surr)	16.3	17.0	104.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42D-071521 Lab Sample ID: 240-152946-20

Matrix: Water Lab File ID: UXM38846.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:16

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 18:25

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.: 496537 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42D-071521 Lab Sample ID: 240-152946-20

Matrix: Water Lab File ID: UXM38846.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:16

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 18:25

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.: 496537 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42D-071521 Lab Sample ID: 240-152946-20

Matrix: Water Lab File ID: UXM38846.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:16

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 18:25

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.: 496537 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	108		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		75-130
2037-26-5	Toluene-d8 (Surr)	95		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42D-071521 Lab Sample ID: 240-152946-20

Matrix: Water Lab File ID: UXM38846.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:16

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 18:25

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.: 496537 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42D-071521 Lab Sample ID: 240-152946-20

Matrix: Water Lab File ID: UXM38846.D

Analysis Method: 8260C Date Collected: 07/15/2021 09:16

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 18:25

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.: 496537 Units: ug/L

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

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\UXM38846.D
Lims ID: 240-152946-C-20
Client ID: MSA-SW42D-071521
Sample Type: Client
Inject. Date: 26-Jul-2021 18:25:30 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111551-020
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Jul-2021 08:26:08 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: bosworthh Date: 27-Jul-2021 08:30:15

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.845	5.845	0.000	100	830158	20.0	
*	2 Chlorobenzene-d5	117	8.561	8.561	0.000	86	758075	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	95	439908	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.264	5.265	0.000	93	247436	24.6	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	291798	24.5	
$	6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	993906	21.5	
$	7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	88	400097	22.5	
	9 Dichlorodifluoromethane	85		1.707				ND	
	10 Chloromethane	50		1.897				ND	
	11 Vinyl chloride	62		2.015				ND	
	13 Bromomethane	94		2.347				ND	7
	14 Chloroethane	64		2.478				ND	
	16 Trichlorofluoromethane	101		2.727				ND	
	19 1,1-Dichloroethene	96		3.237				ND	
	20 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.249				ND	
	21 Acetone	58		3.284				ND	
	24 Carbon disulfide	76		3.450				ND	
	28 Methylene Chloride	84		3.711				ND	
	29 2-Methyl-2-propanol	59		3.794				ND	
	31 Methyl tert-butyl ether	73		3.936				ND	
	32 trans-1,2-Dichloroethene	96		3.960				ND	
	35 Vinyl acetate	43		4.340				ND	
	34 1,1-Dichloroethane	63		4.351				ND	
	36 Isopropyl ether	87		4.363				ND	
	38 Tert-butyl ethyl ether	59		4.683				ND	
	40 2-Butanone (MEK)	72		4.826				ND	
	41 2,2-Dichloropropane	77		4.849				ND	
	39 cis-1,2-Dichloroethene	96		4.849				ND	
	45 Chlorobromomethane	128		5.051				ND	
	47 Chloroform	83		5.134				ND	
	48 1,1,1-Trichloroethane	97		5.288				ND	
	51 Carbon tetrachloride	117		5.419				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
50 1,1-Dichloropropene	75		5.419				ND	
54 Benzene	78		5.585				ND	
53 1,2-Dichloroethane	62		5.632				ND	
55 Tert-amyl methyl ether	73		5.679				ND	
58 Trichloroethene	130		6.154				ND	
61 1,2-Dichloropropane	63		6.379				ND	
63 Dibromomethane	93		6.450				ND	
65 Dichlorobromomethane	83		6.605				ND	
67 2-Chloroethyl vinyl ether	63		6.830				ND	
68 cis-1,3-Dichloropropene	75		6.984				ND	
69 4-Methyl-2-pentanone (MIBK)	43		7.103				ND	
70 Toluene	91		7.280				ND	
71 trans-1,3-Dichloropropene	75		7.482				ND	
75 Tetrachloroethene	164		7.755				ND	
74 1,3-Dichloropropane	76		7.814				ND	
76 2-Hexanone	43		7.850				ND	
78 Chlorodibromomethane	129		8.016				ND	
80 Ethylene Dibromide	107		8.134				ND	
82 Chlorobenzene	112		8.597				ND	
83 1,1,1,2-Tetrachloroethane	131		8.668				ND	
84 Ethylbenzene	106		8.680				ND	
85 m-Xylene & p-Xylene	106		8.798				ND	
86 o-Xylene	106		9.166				ND	
87 Styrene	104		9.178				ND	
88 Bromoform	173		9.368				ND	
89 Isopropylbenzene	105		9.522				ND	
92 1,1,2,2-Tetrachloroethane	83		9.818				ND	
93 Bromobenzene	156		9.842				ND	
95 1,2,3-Trichloropropane	110		9.877				ND	
96 N-Propylbenzene	120		9.925				ND	
97 2-Chlorotoluene	126		10.020				ND	
100 4-Chlorotoluene	126		10.138				ND	
102 tert-Butylbenzene	119		10.411				ND	
104 1,2,4-Trimethylbenzene	105		10.470				ND	
105 sec-Butylbenzene	105		10.636				ND	
106 1,3-Dichlorobenzene	146		10.755				ND	
107 4-Isopropyltoluene	119		10.779				ND	
108 1,4-Dichlorobenzene	146		10.862				ND	
109 1,2,3-Trimethylbenzene	105		10.885				ND	
111 n-Butylbenzene	91		11.194				ND	
112 1,2-Dichlorobenzene	146		11.217				ND	
113 1,2-Dibromo-3-Chloropropane	157		12.000				ND	
115 1,2,4-Trichlorobenzene	180		12.830				ND	
116 Hexachlorobutadiene	225		12.973				ND	
117 Naphthalene	128		13.115				ND	
118 1,2,3-Trichlorobenzene	180		13.364				ND	
S 133 Xylenes, Total	106		17.050				ND	
T 125 Chlorodifluoromethane TIC	51		1.897				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

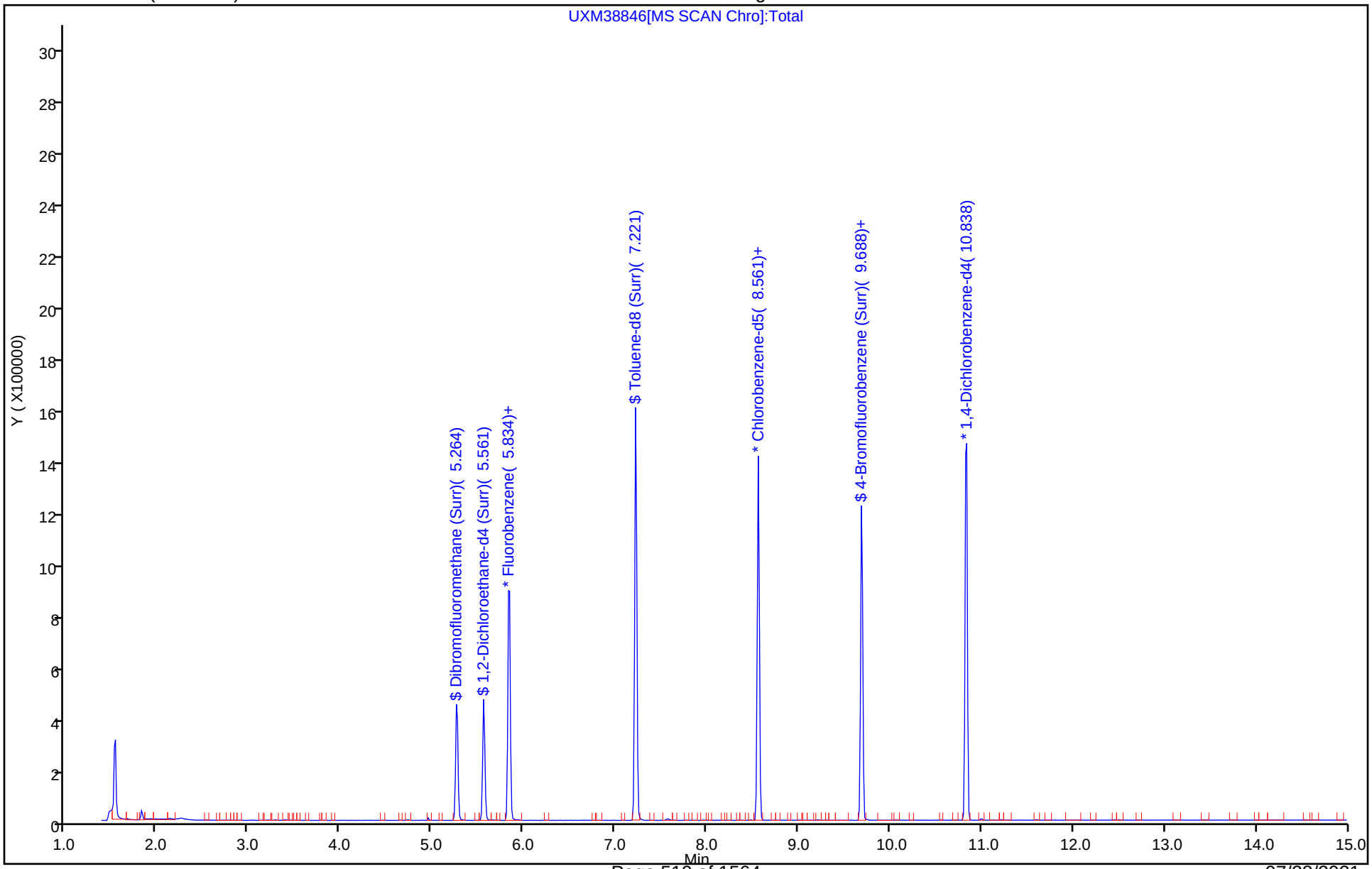
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vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00087	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

Report Date: 27-Jul-2021 08:30:15 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\UXM38846.D				
Injection Date:	26-Jul-2021 18:25:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-152946-C-20	Lab Sample ID:	240-152946-20	Worklist Smp#:	20
Client ID:	MSA-SW42D-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\UXM38846.D
Lims ID: 240-152946-C-20
Client ID: MSA-SW42D-071521
Sample Type: Client
Inject. Date: 26-Jul-2021 18:25:30 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111551-020
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Jul-2021 08:26:08 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: bosworthh Date: 27-Jul-2021 08:30:15

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	24.6	108.28
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	24.5	108.16
$ 6 Toluene-d8 (Surr)	22.7	21.5	94.82
$ 7 4-Bromofluorobenzene (Surr)	22.7	22.5	99.26

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43A-071521 Lab Sample ID: 240-152946-21

Matrix: Water Lab File ID: UXM38847.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:00

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 18:50

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.: 496537 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43A-071521 Lab Sample ID: 240-152946-21

Matrix: Water Lab File ID: UXM38847.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:00

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 18:50

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.: 496537 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43A-071521 Lab Sample ID: 240-152946-21

Matrix: Water Lab File ID: UXM38847.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:00

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 18:50

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.: 496537 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	110		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		75-130
2037-26-5	Toluene-d8 (Surr)	93		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43A-071521 Lab Sample ID: 240-152946-21

Matrix: Water Lab File ID: UXM38847.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:00

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 18:50

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.: 496537 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43A-071521 Lab Sample ID: 240-152946-21

Matrix: Water Lab File ID: UXM38847.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:00

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 18:50

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.: 496537 Units: ug/L

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

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\UXM38847.D
Lims ID: 240-152946-C-21
Client ID: MSA-SW43A-071521
Sample Type: Client
Inject. Date: 26-Jul-2021 18:50:30 ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111551-021
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Jul-2021 08:26:08 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: bosworthh Date: 27-Jul-2021 08:30:42

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.846	5.845	0.001	99	773547	20.0	
*	2 Chlorobenzene-d5	117	8.561	8.561	0.000	86	727788	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	95	424784	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.265	5.265	0.001	93	234276	25.0	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	269177	24.3	
$	6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	940403	21.2	
$	7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	89	383748	22.5	
	9 Dichlorodifluoromethane	85		1.707				ND	
	10 Chloromethane	50		1.897				ND	
	11 Vinyl chloride	62		2.015				ND	
	13 Bromomethane	94		2.347				ND	
	14 Chloroethane	64		2.478				ND	
	16 Trichlorofluoromethane	101		2.727				ND	
	19 1,1-Dichloroethene	96		3.237				ND	
	20 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.249				ND	
	21 Acetone	58		3.284				ND	
	24 Carbon disulfide	76		3.450				ND	
	28 Methylene Chloride	84		3.711				ND	
	29 2-Methyl-2-propanol	59		3.794				ND	
	31 Methyl tert-butyl ether	73		3.936				ND	
	32 trans-1,2-Dichloroethene	96		3.960				ND	
	35 Vinyl acetate	43		4.340				ND	
	34 1,1-Dichloroethane	63		4.351				ND	
	36 Isopropyl ether	87		4.363				ND	
	38 Tert-butyl ethyl ether	59		4.683				ND	
	40 2-Butanone (MEK)	72		4.826				ND	
	41 2,2-Dichloropropane	77		4.849				ND	
	39 cis-1,2-Dichloroethene	96		4.849				ND	
	45 Chlorobromomethane	128		5.051				ND	
	47 Chloroform	83		5.134				ND	
	48 1,1,1-Trichloroethane	97		5.288				ND	
	51 Carbon tetrachloride	117		5.419				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
50 1,1-Dichloropropene	75		5.419				ND	
54 Benzene	78		5.585				ND	
53 1,2-Dichloroethane	62		5.632				ND	
55 Tert-amyl methyl ether	73		5.679				ND	
58 Trichloroethene	130		6.154				ND	
61 1,2-Dichloropropane	63		6.379				ND	
63 Dibromomethane	93		6.450				ND	
65 Dichlorobromomethane	83		6.605				ND	
67 2-Chloroethyl vinyl ether	63		6.830				ND	
68 cis-1,3-Dichloropropene	75		6.984				ND	
69 4-Methyl-2-pentanone (MIBK)	43		7.103				ND	
70 Toluene	91		7.280				ND	
71 trans-1,3-Dichloropropene	75		7.482				ND	
75 Tetrachloroethene	164		7.755				ND	
74 1,3-Dichloropropane	76		7.814				ND	
76 2-Hexanone	43		7.850				ND	
78 Chlorodibromomethane	129		8.016				ND	
80 Ethylene Dibromide	107		8.134				ND	
82 Chlorobenzene	112		8.597				ND	
83 1,1,1,2-Tetrachloroethane	131		8.668				ND	
84 Ethylbenzene	106		8.680				ND	
85 m-Xylene & p-Xylene	106		8.798				ND	
86 o-Xylene	106		9.166				ND	
87 Styrene	104		9.178				ND	
88 Bromoform	173		9.368				ND	
89 Isopropylbenzene	105		9.522				ND	
92 1,1,2,2-Tetrachloroethane	83		9.818				ND	
93 Bromobenzene	156		9.842				ND	
95 1,2,3-Trichloropropane	110		9.877				ND	
96 N-Propylbenzene	120		9.925				ND	
97 2-Chlorotoluene	126		10.020				ND	
100 4-Chlorotoluene	126		10.138				ND	
102 tert-Butylbenzene	119		10.411				ND	
104 1,2,4-Trimethylbenzene	105		10.470				ND	
105 sec-Butylbenzene	105		10.636				ND	
106 1,3-Dichlorobenzene	146		10.755				ND	
107 4-Isopropyltoluene	119		10.779				ND	
108 1,4-Dichlorobenzene	146		10.862				ND	
109 1,2,3-Trimethylbenzene	105		10.885				ND	
111 n-Butylbenzene	91		11.194				ND	
112 1,2-Dichlorobenzene	146		11.217				ND	
113 1,2-Dibromo-3-Chloropropane	157		12.000				ND	
115 1,2,4-Trichlorobenzene	180		12.830				ND	
116 Hexachlorobutadiene	225		12.973				ND	
117 Naphthalene	128		13.115				ND	
118 1,2,3-Trichlorobenzene	180		13.364				ND	
S 133 Xylenes, Total	106		17.050				ND	
T 125 Chlorodifluoromethane TIC	51		1.897				ND	

QC Flag Legend

Processing Flags

Reagents:

vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00087	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

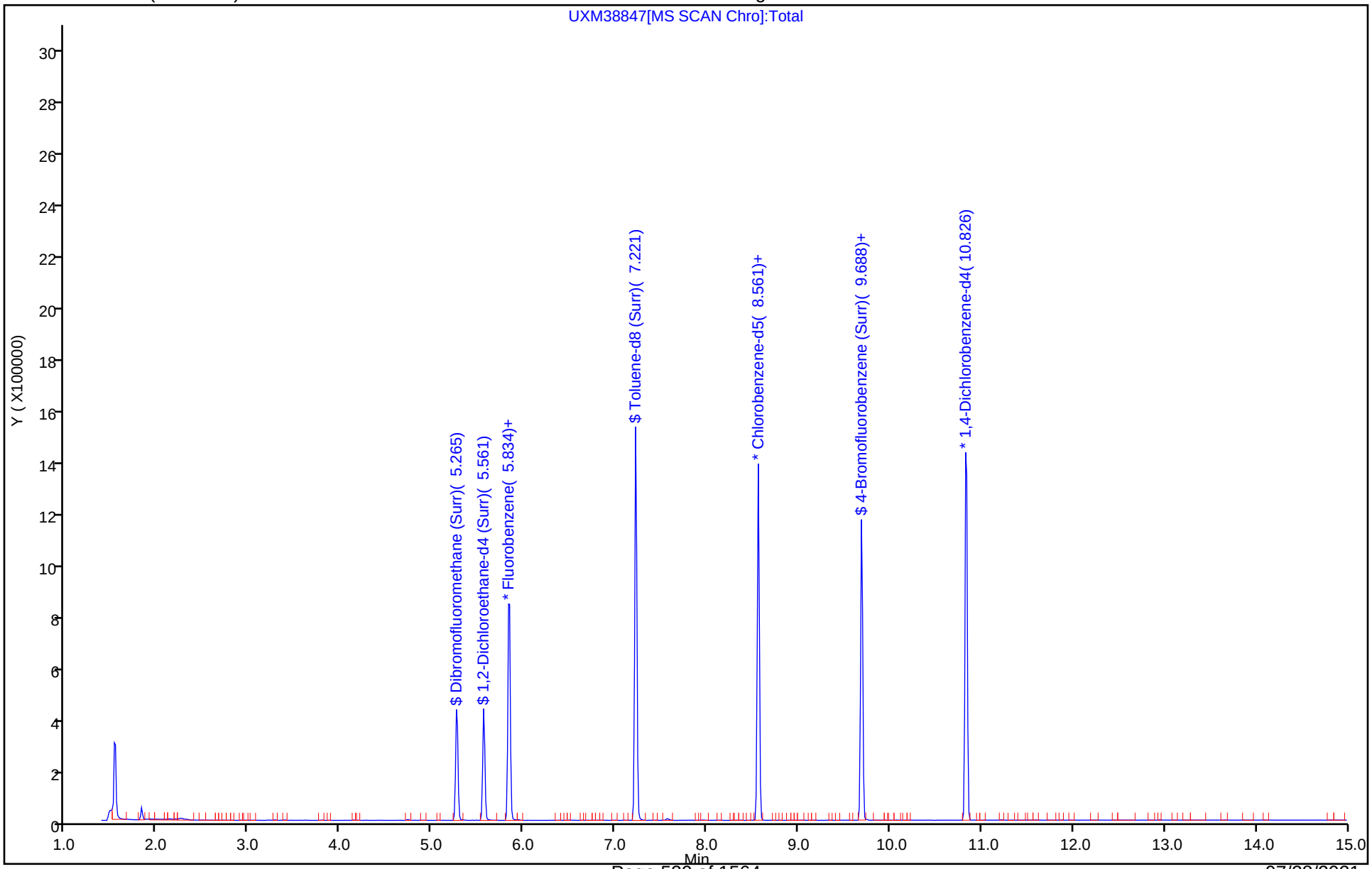
Report Date: 27-Jul-2021 08:30:42 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\UXM38847.D

Injection Date:	26-Jul-2021 18:50:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-152946-C-21	Lab Sample ID:	240-152946-21	Worklist Smp#:	21
Client ID:	MSA-SW43A-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\UXM38847.D
Lims ID: 240-152946-C-21
Client ID: MSA-SW43A-071521
Sample Type: Client
Inject. Date: 26-Jul-2021 18:50:30 ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111551-021
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Jul-2021 08:26:08 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: bosworthh Date: 27-Jul-2021 08:30:42

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	25.0	110.02
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	24.3	107.08
$ 6 Toluene-d8 (Surr)	22.7	21.2	93.45
$ 7 4-Bromofluorobenzene (Surr)	22.7	22.5	99.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43B-071521 Lab Sample ID: 240-152946-22

Matrix: Water Lab File ID: UXM38848.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:04

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 19:15

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.: 496537 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43B-071521 Lab Sample ID: 240-152946-22

Matrix: Water Lab File ID: UXM38848.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:04

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 19:15

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.: 496537 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43B-071521 Lab Sample ID: 240-152946-22

Matrix: Water Lab File ID: UXM38848.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:04

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 19:15

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.: 496537 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	109		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		75-130
2037-26-5	Toluene-d8 (Surr)	93		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43B-071521 Lab Sample ID: 240-152946-22

Matrix: Water Lab File ID: UXM38848.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:04

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 19:15

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.: 496537 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43B-071521 Lab Sample ID: 240-152946-22

Matrix: Water Lab File ID: UXM38848.D

Analysis Method: 8260C Date Collected: 07/15/2021 08:04

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 19:15

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.: 496537 Units: ug/L

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

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\UXM38848.D
Lims ID: 240-152946-C-22
Client ID: MSA-SW43B-071521
Sample Type: Client
Inject. Date: 26-Jul-2021 19:15:30 ALS Bottle#: 22 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111551-022
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Jul-2021 08:26:08 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: bosworthh Date: 27-Jul-2021 08:31:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.845	5.845	0.000	99	782336	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	86	715472	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	95	417714	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.264	5.265	0.000	93	234841	24.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	263067	23.5	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	916330	21.0	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	88	382575	22.8	
9 Dichlorodifluoromethane	85		1.707				ND	
10 Chloromethane	50		1.897				ND	
11 Vinyl chloride	62		2.015				ND	
13 Bromomethane	94		2.347				ND	7
14 Chloroethane	64		2.478				ND	
16 Trichlorofluoromethane	101		2.727				ND	
19 1,1-Dichloroethene	96		3.237				ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.249				ND	
21 Acetone	58		3.284				ND	
24 Carbon disulfide	76		3.450				ND	
28 Methylene Chloride	84		3.711				ND	
29 2-Methyl-2-propanol	59		3.794				ND	
31 Methyl tert-butyl ether	73		3.936				ND	
32 trans-1,2-Dichloroethene	96		3.960				ND	
35 Vinyl acetate	43		4.340				ND	
34 1,1-Dichloroethane	63		4.351				ND	
36 Isopropyl ether	87		4.363				ND	
38 Tert-butyl ethyl ether	59		4.683				ND	
40 2-Butanone (MEK)	72		4.826				ND	
41 2,2-Dichloropropane	77		4.849				ND	
39 cis-1,2-Dichloroethene	96		4.849				ND	
45 Chlorobromomethane	128		5.051				ND	
47 Chloroform	83		5.134				ND	
48 1,1,1-Trichloroethane	97		5.288				ND	
51 Carbon tetrachloride	117		5.419				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
50 1,1-Dichloropropene	75		5.419				ND	
54 Benzene	78		5.585				ND	
53 1,2-Dichloroethane	62		5.632				ND	
55 Tert-amyl methyl ether	73		5.679				ND	
58 Trichloroethene	130		6.154				ND	
61 1,2-Dichloropropane	63		6.379				ND	
63 Dibromomethane	93		6.450				ND	
65 Dichlorobromomethane	83		6.605				ND	
67 2-Chloroethyl vinyl ether	63		6.830				ND	
68 cis-1,3-Dichloropropene	75		6.984				ND	
69 4-Methyl-2-pentanone (MIBK)	43		7.103				ND	
70 Toluene	91		7.280				ND	
71 trans-1,3-Dichloropropene	75		7.482				ND	
75 Tetrachloroethene	164		7.755				ND	
74 1,3-Dichloropropane	76		7.814				ND	
76 2-Hexanone	43		7.850				ND	
78 Chlorodibromomethane	129		8.016				ND	
80 Ethylene Dibromide	107		8.134				ND	
82 Chlorobenzene	112		8.597				ND	
83 1,1,1,2-Tetrachloroethane	131		8.668				ND	
84 Ethylbenzene	106		8.680				ND	
85 m-Xylene & p-Xylene	106		8.798				ND	
86 o-Xylene	106		9.166				ND	
87 Styrene	104		9.178				ND	
88 Bromoform	173		9.368				ND	
89 Isopropylbenzene	105		9.522				ND	
92 1,1,2,2-Tetrachloroethane	83		9.818				ND	
93 Bromobenzene	156		9.842				ND	
95 1,2,3-Trichloropropane	110		9.877				ND	
96 N-Propylbenzene	120		9.925				ND	
97 2-Chlorotoluene	126		10.020				ND	
100 4-Chlorotoluene	126		10.138				ND	
102 tert-Butylbenzene	119		10.411				ND	
104 1,2,4-Trimethylbenzene	105		10.470				ND	
105 sec-Butylbenzene	105		10.636				ND	
106 1,3-Dichlorobenzene	146		10.755				ND	
107 4-Isopropyltoluene	119		10.779				ND	
108 1,4-Dichlorobenzene	146		10.862				ND	
109 1,2,3-Trimethylbenzene	105		10.885				ND	
111 n-Butylbenzene	91		11.194				ND	
112 1,2-Dichlorobenzene	146		11.217				ND	
113 1,2-Dibromo-3-Chloropropane	157		12.000				ND	
115 1,2,4-Trichlorobenzene	180		12.830				ND	
116 Hexachlorobutadiene	225		12.973				ND	
117 Naphthalene	128		13.115				ND	
118 1,2,3-Trichlorobenzene	180		13.364				ND	
S 133 Xylenes, Total	106		17.050				ND	
T 125 Chlorodifluoromethane TIC	51		1.897				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

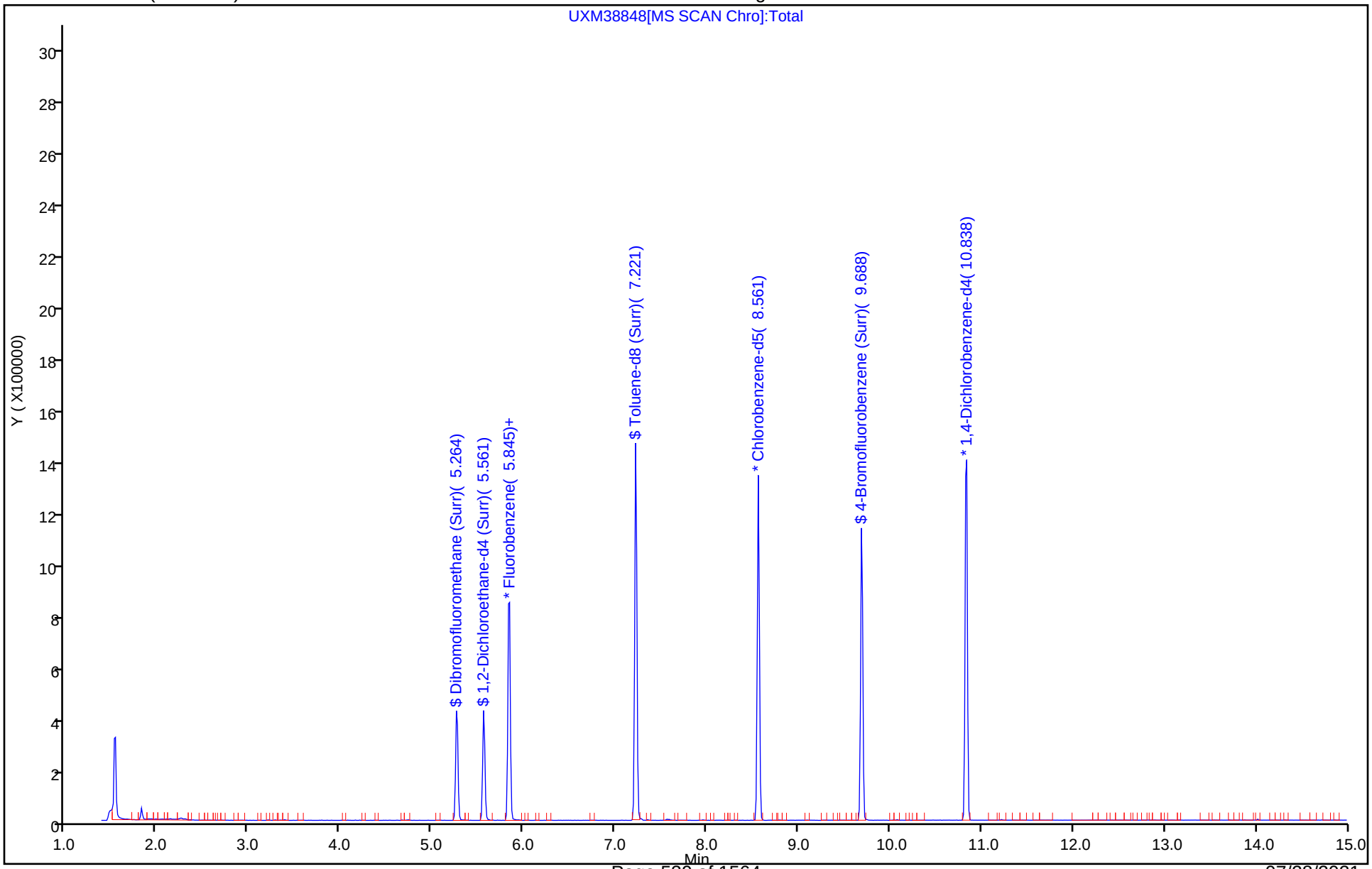
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00087	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

Report Date: 27-Jul-2021 08:31:47 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\UXM38848.D				
Injection Date:	26-Jul-2021 19:15:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-152946-C-22	Lab Sample ID:	240-152946-22	Worklist Smp#:	22
Client ID:	MSA-SW43B-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\UXM38848.D
Lims ID: 240-152946-C-22
Client ID: MSA-SW43B-071521
Sample Type: Client
Inject. Date: 26-Jul-2021 19:15:30 ALS Bottle#: 22 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111551-022
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Jul-2021 08:26:08 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: bosworthh Date: 27-Jul-2021 08:31:46

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	24.7	109.05
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	23.5	103.47
$ 6 Toluene-d8 (Surr)	22.7	21.0	92.63
$ 7 4-Bromofluorobenzene (Surr)	22.7	22.8	100.56

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43C-071521 Lab Sample ID: 240-152946-23

Matrix: Water Lab File ID: U1923153.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:07

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 19:26

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43C-071521 Lab Sample ID: 240-152946-23

Matrix: Water Lab File ID: U1923153.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:07

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 19:26

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43C-071521 Lab Sample ID: 240-152946-23

Matrix: Water Lab File ID: U1923153.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:07

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 19:26

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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)	104		47-134
1868-53-7	Dibromofluoromethane (Surr)	91		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		75-130
2037-26-5	Toluene-d8 (Surr)	100		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43C-071521 Lab Sample ID: 240-152946-23

Matrix: Water Lab File ID: U1923153.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:07

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 19:26

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43C-071521 Lab Sample ID: 240-152946-23

Matrix: Water Lab File ID: U1923153.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:07

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 19:26

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 Units: ug/L

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

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923153.d
Lims ID: 240-152946-B-23
Client ID: MSA-SW43C-071521
Sample Type: Client
Inject. Date: 23-Jul-2021 19:26:20 ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111514-014
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Jul-2021 23:39:38 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: laveyt Date: 25-Jul-2021 09:12:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	650833	20.0	
* 2 Chlorobenzene-d5	117	8.464	8.464	0.000	86	473853	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	96	243083	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.404	5.416	-0.012	92	167092	18.1	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	97	206447	18.9	
$ 6 Toluene-d8 (Surr)	98	7.207	7.206	0.001	94	573206	20.0	
$ 7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	90	219197	20.8	
9 Dichlorodifluoromethane	85		2.072				ND	
10 Chloromethane	50		2.297				ND	
12 Vinyl chloride	62		2.427				ND	
13 Bromomethane	94		2.783				ND	
15 Chloroethane	64		2.878				ND	
17 Trichlorofluoromethane	101		3.127				ND	
20 1,1-Dichloroethene	61		3.590				ND	
21 112TCTFE	101		3.601				ND	
22 Acetone	43	3.614	3.613	0.001	67	2131	0.4909	
25 Carbon disulfide	76	3.803	3.803	0.000	94	2968	0.1110	
29 Methylene Chloride	49		4.005				ND	
30 2-Methyl-2-propanol	59		4.064				ND	
33 Methyl tert-butyl ether	73		4.218				ND	
32 trans-1,2-Dichloroethene	61		4.230				ND	
36 Vinyl acetate	43		4.562				ND	
37 Isopropyl ether	87		4.586				ND	
35 1,1-Dichloroethane	63		4.586				ND	
39 Tert-butyl ethyl ether	59		4.870				ND	
40 2-Butanone (MEK)	72		5.013				ND	
41 cis-1,2-Dichloroethene	96		5.036				ND	7
42 2,2-Dichloropropane	77		5.048				ND	
46 Chlorobromomethane	49		5.226				ND	
48 Chloroform	83		5.285				ND	
49 1,1,1-Trichloroethane	97		5.440				ND	
51 1,1-Dichloropropene	75		5.558				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		5.570				ND	
54 Benzene	78		5.724				ND	
55 1,2-Dichloroethane	62		5.748				ND	
56 Tert-amyl methyl ether	73		5.783				ND	
59 Trichloroethene	130		6.222				ND	
62 1,2-Dichloropropane	63		6.436				ND	
64 Dibromomethane	174		6.507				ND	
66 Dichlorobromomethane	83		6.625				ND	
68 2-Chloroethyl vinyl ether	63		6.815				ND	
69 cis-1,3-Dichloropropene	75		6.969				ND	
70 4-Methyl-2-pentanone (MIBK)	43		7.076				ND	
71 Toluene	91		7.266				ND	
72 trans-1,3-Dichloropropene	75		7.432				ND	7
75 Tetrachloroethene	166		7.705				ND	
76 1,3-Dichloropropane	76		7.752				ND	
77 2-Hexanone	43		7.764				ND	
79 Chlorodibromomethane	129		7.942				ND	
81 Ethylene Dibromide	107		8.060				ND	
83 Chlorobenzene	112		8.487				ND	
84 1,1,1,2-Tetrachloroethane	131		8.547				ND	
85 Ethylbenzene	106		8.547				ND	
86 m-Xylene & p-Xylene	106		8.665				ND	
87 o-Xylene	106		9.009				ND	
88 Styrene	104		9.021				ND	
89 Bromoform	173		9.211				ND	
90 Isopropylbenzene	105		9.341				ND	
93 1,1,2,2-Tetrachloroethane	83		9.602				ND	
95 Bromobenzene	156		9.661				ND	
96 1,2,3-Trichloropropane	110		9.673				ND	
98 N-Propylbenzene	120		9.721				ND	
100 2-Chlorotoluene	126		9.815				ND	
102 4-Chlorotoluene	126		9.934				ND	
103 tert-Butylbenzene	119		10.183				ND	7
105 1,2,4-Trimethylbenzene	105		10.230				ND	
106 sec-Butylbenzene	105		10.385				ND	
108 4-Isopropyltoluene	119		10.515				ND	7
107 1,3-Dichlorobenzene	146		10.515				ND	7
109 1,4-Dichlorobenzene	146		10.610				ND	7
110 1,2,3-Trimethylbenzene	105		10.622				ND	
112 n-Butylbenzene	91		10.906				ND	7
113 1,2-Dichlorobenzene	146		10.954				ND	
114 1,2-Dibromo-3-Chloropropane	157		11.689				ND	
116 1,2,4-Trichlorobenzene	180	12.484	12.484	0.000	85	1355	0.1196	
117 Hexachlorobutadiene	225	12.614	12.614	0.000	70	1225	0.2612	
118 Naphthalene	128	12.757	12.756	0.001	91	3874	0.1051	
119 1,2,3-Trichlorobenzene	180	12.994	12.994	0.000	73	1403	0.1313	
S 128 Xylenes, Total	106		16.620				ND	
T 131 Chlorodifluoromethane TIC	51		1.740				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00008	Amount Added:	2.00	Units: uL	Run Reagent

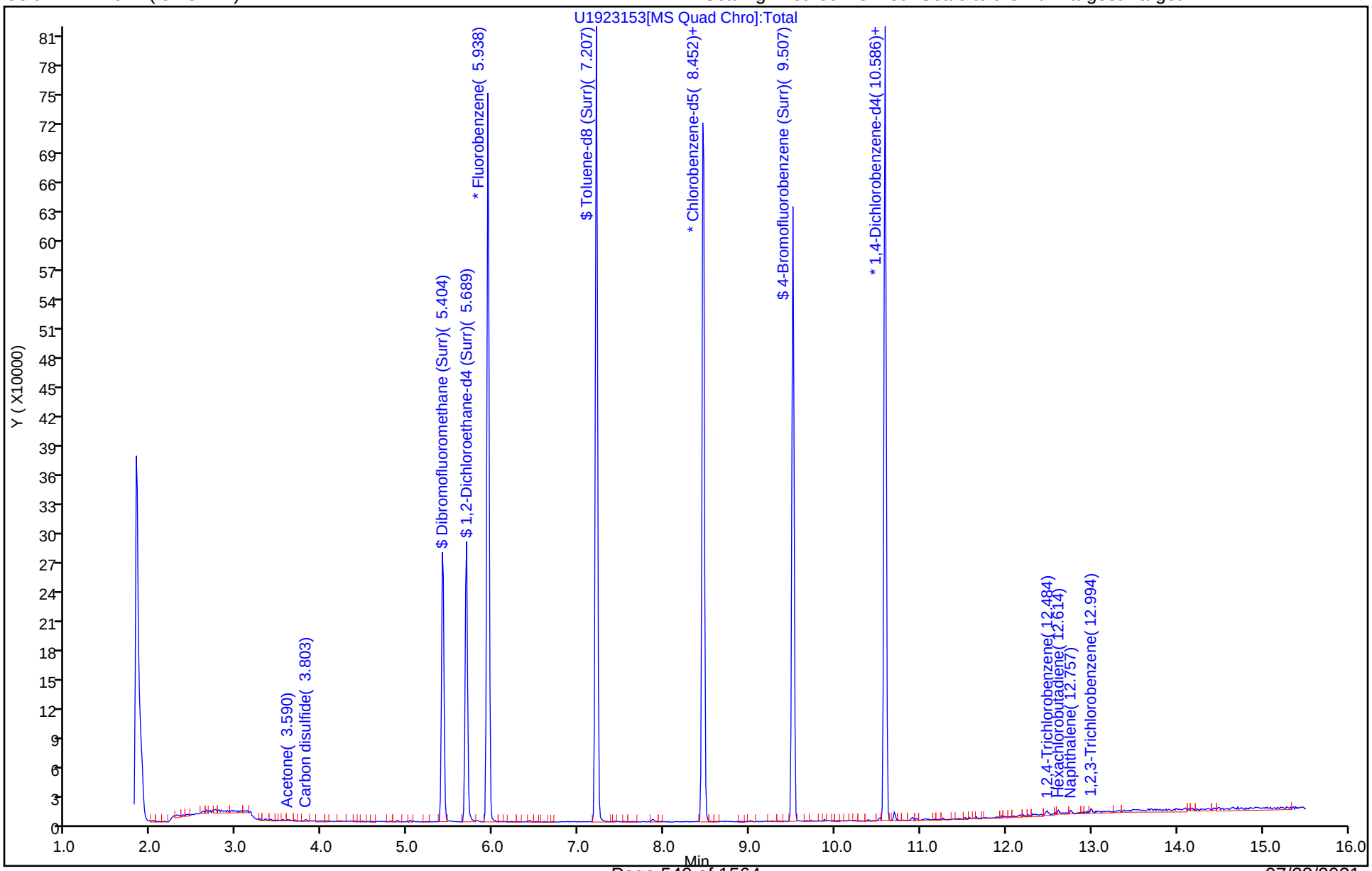
Report Date: 25-Jul-2021 09:12:16 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923153.d

Injection Date:	23-Jul-2021 19:26:20	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	240-152946-B-23	Lab Sample ID:	240-152946-23	Worklist Smp#:	14
Client ID:	MSA-SW43C-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923153.d
Lims ID: 240-152946-B-23
Client ID: MSA-SW43C-071521
Sample Type: Client
Inject. Date: 23-Jul-2021 19:26:20 ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111514-014
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Jul-2021 23:39:38 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: laveyt Date: 25-Jul-2021 09:12:15

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	18.1	90.58
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	18.9	94.34
$ 6 Toluene-d8 (Surr)	20.0	20.0	100.05
$ 7 4-Bromofluorobenzene (Surr)	20.0	20.8	103.77

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43D-071521 Lab Sample ID: 240-152946-24

Matrix: Water Lab File ID: U1923154.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:10

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 19:48

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43D-071521 Lab Sample ID: 240-152946-24

Matrix: Water Lab File ID: U1923154.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:10

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 19:48

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43D-071521 Lab Sample ID: 240-152946-24

Matrix: Water Lab File ID: U1923154.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:10

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 19:48

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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)	104		47-134
1868-53-7	Dibromofluoromethane (Surr)	93		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		75-130
2037-26-5	Toluene-d8 (Surr)	101		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43D-071521 Lab Sample ID: 240-152946-24

Matrix: Water Lab File ID: U1923154.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:10

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 19:48

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43D-071521 Lab Sample ID: 240-152946-24

Matrix: Water Lab File ID: U1923154.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:10

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 19:48

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 Units: ug/L

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

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923154.d
Lims ID: 240-152946-B-24
Client ID: MSA-SW43D-071521
Sample Type: Client
Inject. Date: 23-Jul-2021 19:48:32 ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111514-015
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jul-2021 09:17:34 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: laveyt Date: 25-Jul-2021 09:12:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	98	644032	20.0	
* 2 Chlorobenzene-d5	117	8.464	8.464	0.000	86	462016	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	95	238397	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.416	5.416	0.000	92	169204	18.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	97	200772	18.5	
$ 6 Toluene-d8 (Surr)	98	7.207	7.206	0.001	94	564133	20.2	
$ 7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	90	213432	20.7	
9 Dichlorodifluoromethane	85		2.072				ND	
10 Chloromethane	50		2.297				ND	
12 Vinyl chloride	62		2.427				ND	
13 Bromomethane	94		2.783				ND	
15 Chloroethane	64		2.878				ND	
17 Trichlorofluoromethane	101		3.127				ND	
20 1,1-Dichloroethene	61		3.590				ND	
21 112TCTFE	101		3.601				ND	
22 Acetone	43	3.613	3.613	0.000	66	3363	0.7828	
25 Carbon disulfide	76		3.803				ND	7
29 Methylene Chloride	49		4.005				ND	
30 2-Methyl-2-propanol	59		4.064				ND	
33 Methyl tert-butyl ether	73		4.218				ND	
32 trans-1,2-Dichloroethene	61		4.230				ND	
36 Vinyl acetate	43		4.562				ND	
37 Isopropyl ether	87		4.586				ND	
35 1,1-Dichloroethane	63		4.586				ND	
39 Tert-butyl ethyl ether	59		4.870				ND	
40 2-Butanone (MEK)	72		5.013				ND	
41 cis-1,2-Dichloroethene	96		5.036				ND	7
42 2,2-Dichloropropane	77		5.048				ND	
46 Chlorobromomethane	49		5.226				ND	
48 Chloroform	83		5.285				ND	
49 1,1,1-Trichloroethane	97		5.440				ND	
51 1,1-Dichloropropene	75		5.558				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		5.570				ND	
54 Benzene	78		5.724				ND	
55 1,2-Dichloroethane	62		5.748				ND	
56 Tert-amyl methyl ether	73		5.783				ND	
59 Trichloroethene	130		6.222				ND	
62 1,2-Dichloropropane	63		6.436				ND	
64 Dibromomethane	174		6.507				ND	
66 Dichlorobromomethane	83		6.625				ND	
68 2-Chloroethyl vinyl ether	63		6.815				ND	
69 cis-1,3-Dichloropropene	75		6.969				ND	
70 4-Methyl-2-pentanone (MIBK)	43		7.076				ND	
71 Toluene	91		7.266				ND	
72 trans-1,3-Dichloropropene	75		7.432				ND	7
75 Tetrachloroethene	166		7.705				ND	
76 1,3-Dichloropropane	76		7.752				ND	
77 2-Hexanone	43		7.764				ND	
79 Chlorodibromomethane	129		7.942				ND	
81 Ethylene Dibromide	107		8.060				ND	
83 Chlorobenzene	112		8.487				ND	
84 1,1,1,2-Tetrachloroethane	131		8.547				ND	
85 Ethylbenzene	106		8.547				ND	
86 m-Xylene & p-Xylene	106		8.665				ND	
87 o-Xylene	106		9.009				ND	
88 Styrene	104		9.021				ND	
89 Bromoform	173		9.211				ND	
90 Isopropylbenzene	105		9.341				ND	
93 1,1,2,2-Tetrachloroethane	83		9.602				ND	
95 Bromobenzene	156		9.661				ND	
96 1,2,3-Trichloropropane	110		9.673				ND	
98 N-Propylbenzene	120		9.721				ND	
100 2-Chlorotoluene	126		9.815				ND	
102 4-Chlorotoluene	126		9.934				ND	
103 tert-Butylbenzene	119		10.183				ND	
105 1,2,4-Trimethylbenzene	105		10.230				ND	
106 sec-Butylbenzene	105		10.385				ND	
108 4-Isopropyltoluene	119		10.515				ND	
107 1,3-Dichlorobenzene	146		10.515				ND	7
109 1,4-Dichlorobenzene	146		10.610				ND	7
110 1,2,3-Trimethylbenzene	105		10.622				ND	
112 n-Butylbenzene	91		10.906				ND	7
113 1,2-Dichlorobenzene	146		10.954				ND	
114 1,2-Dibromo-3-Chloropropane	157		11.689				ND	
116 1,2,4-Trichlorobenzene	180		12.484				ND	7
117 Hexachlorobutadiene	225		12.614				ND	
118 Naphthalene	128		12.756				ND	7
119 1,2,3-Trichlorobenzene	180		12.994				ND	7
S 128 Xylenes, Total	106		16.620				ND	
T 131 Chlorodifluoromethane TIC	51		1.740				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

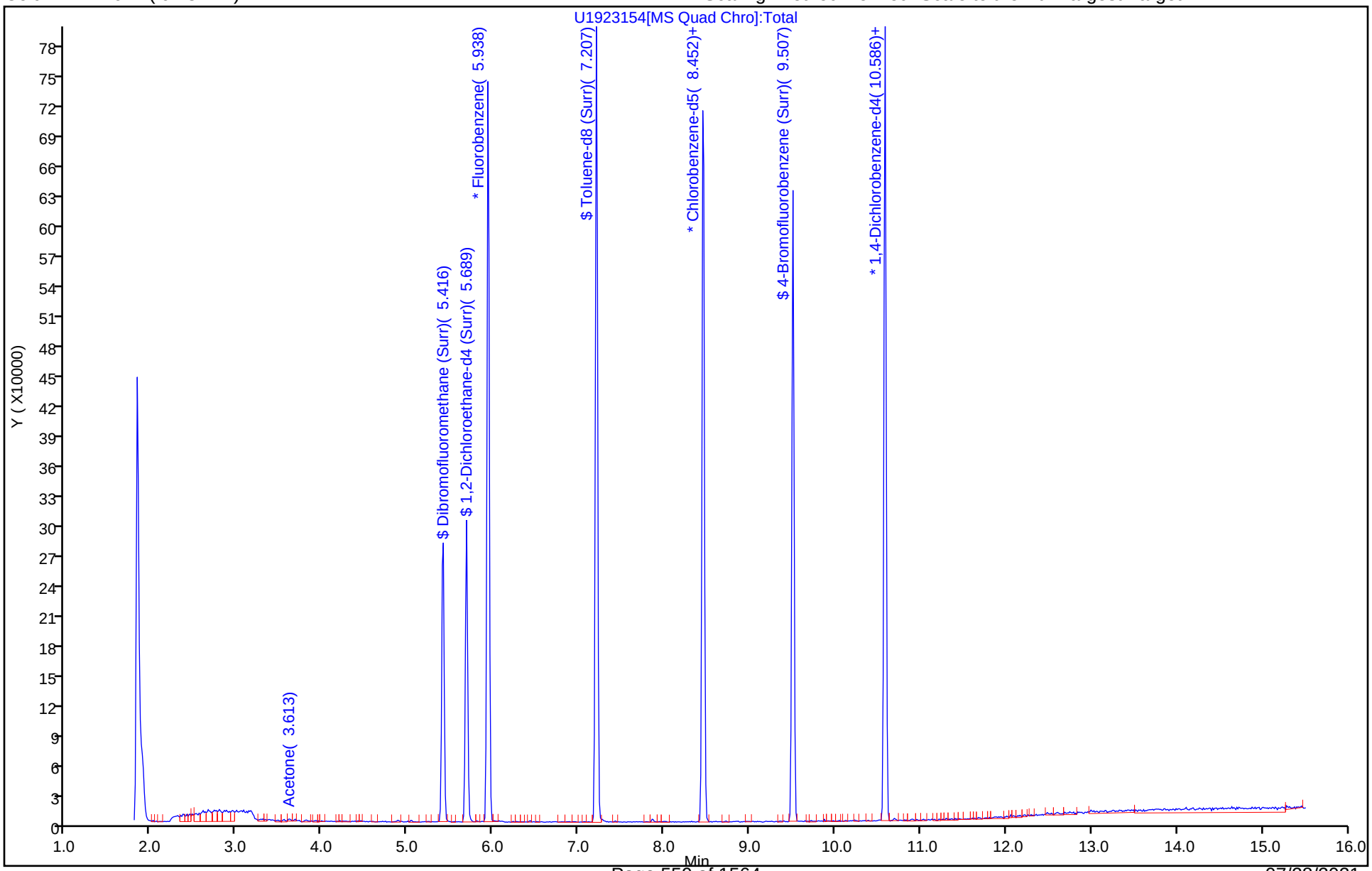
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00008	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 25-Jul-2021 09:38:52 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923154.d				
Injection Date:	23-Jul-2021 19:48:32	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	240-152946-B-24	Lab Sample ID:	240-152946-24	Worklist Smp#:	15
Client ID:	MSA-SW43D-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923154.d
Lims ID: 240-152946-B-24
Client ID: MSA-SW43D-071521
Sample Type: Client
Inject. Date: 23-Jul-2021 19:48:32 ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111514-015
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jul-2021 09:17:34 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: laveyt Date: 25-Jul-2021 09:12:30

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	18.5	92.70
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	18.5	92.72
$ 6 Toluene-d8 (Surr)	20.0	20.2	100.99
$ 7 4-Bromofluorobenzene (Surr)	20.0	20.7	103.63

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44A-071521 Lab Sample ID: 240-152946-25

Matrix: Water Lab File ID: U1923155.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:40

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 20:10

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44A-071521 Lab Sample ID: 240-152946-25

Matrix: Water Lab File ID: U1923155.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:40

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 20:10

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44A-071521 Lab Sample ID: 240-152946-25

Matrix: Water Lab File ID: U1923155.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:40

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 20:10

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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)	110		47-134
1868-53-7	Dibromofluoromethane (Surr)	95		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		75-130
2037-26-5	Toluene-d8 (Surr)	104		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44A-071521 Lab Sample ID: 240-152946-25

Matrix: Water Lab File ID: U1923155.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:40

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 20:10

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44A-071521 Lab Sample ID: 240-152946-25

Matrix: Water Lab File ID: U1923155.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:40

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 20:10

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 Units: ug/L

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

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923155.d
Lims ID: 240-152946-B-25
Client ID: MSA-SW44A-071521
Sample Type: Client
Inject. Date: 23-Jul-2021 20:10:40 ALS Bottle#: 0 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111514-016
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Jul-2021 23:39:38 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: laveyt Date: 25-Jul-2021 09:12:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	632772	20.0	
* 2 Chlorobenzene-d5	117	8.464	8.464	0.000	87	456771	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	96	232448	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.416	5.416	0.000	92	169795	18.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	97	207781	19.5	
$ 6 Toluene-d8 (Surr)	98	7.207	7.206	0.001	94	572259	20.7	
$ 7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	89	224264	22.0	
9 Dichlorodifluoromethane	85		2.072				ND	
10 Chloromethane	50		2.297				ND	
12 Vinyl chloride	62		2.427				ND	
13 Bromomethane	94		2.783				ND	
15 Chloroethane	64		2.878				ND	
17 Trichlorofluoromethane	101		3.127				ND	
20 1,1-Dichloroethene	61		3.590				ND	
21 112TCTFE	101		3.601				ND	
22 Acetone	43	3.613	3.613	0.000	75	3274	0.7757	
25 Carbon disulfide	76		3.803				ND	7
29 Methylene Chloride	49		4.005				ND	
30 2-Methyl-2-propanol	59		4.064				ND	
33 Methyl tert-butyl ether	73		4.218				ND	
32 trans-1,2-Dichloroethene	61		4.230				ND	
36 Vinyl acetate	43		4.562				ND	
37 Isopropyl ether	87		4.586				ND	
35 1,1-Dichloroethane	63		4.586				ND	
39 Tert-butyl ethyl ether	59		4.870				ND	
40 2-Butanone (MEK)	72		5.013				ND	
41 cis-1,2-Dichloroethene	96		5.036				ND	7
42 2,2-Dichloropropane	77		5.048				ND	
46 Chlorobromomethane	49		5.226				ND	
48 Chloroform	83		5.285				ND	
49 1,1,1-Trichloroethane	97		5.440				ND	
51 1,1-Dichloropropene	75		5.558				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		5.570				ND	
54 Benzene	78		5.724				ND	
55 1,2-Dichloroethane	62		5.748				ND	
56 Tert-amyl methyl ether	73		5.783				ND	
59 Trichloroethene	130		6.222				ND	
62 1,2-Dichloropropane	63		6.436				ND	
64 Dibromomethane	174		6.507				ND	
66 Dichlorobromomethane	83		6.625				ND	
68 2-Chloroethyl vinyl ether	63		6.815				ND	
69 cis-1,3-Dichloropropene	75		6.969				ND	
70 4-Methyl-2-pentanone (MIBK)	43		7.076				ND	
71 Toluene	91		7.266				ND	
72 trans-1,3-Dichloropropene	75		7.432				ND	
75 Tetrachloroethene	166		7.705				ND	
76 1,3-Dichloropropane	76		7.752				ND	
77 2-Hexanone	43		7.764				ND	7
79 Chlorodibromomethane	129		7.942				ND	
81 Ethylene Dibromide	107		8.060				ND	
83 Chlorobenzene	112		8.487				ND	
84 1,1,1,2-Tetrachloroethane	131		8.547				ND	
85 Ethylbenzene	106		8.547				ND	
86 m-Xylene & p-Xylene	106		8.665				ND	
87 o-Xylene	106		9.009				ND	
88 Styrene	104		9.021				ND	
89 Bromoform	173		9.211				ND	
90 Isopropylbenzene	105		9.341				ND	
93 1,1,2,2-Tetrachloroethane	83		9.602				ND	
95 Bromobenzene	156		9.661				ND	
96 1,2,3-Trichloropropane	110		9.673				ND	
98 N-Propylbenzene	120		9.721				ND	
100 2-Chlorotoluene	126		9.815				ND	
102 4-Chlorotoluene	126		9.934				ND	
103 tert-Butylbenzene	119		10.183				ND	
105 1,2,4-Trimethylbenzene	105		10.230				ND	
106 sec-Butylbenzene	105		10.385				ND	
108 4-Isopropyltoluene	119		10.515				ND	
107 1,3-Dichlorobenzene	146		10.515				ND	7
109 1,4-Dichlorobenzene	146		10.610				ND	7
110 1,2,3-Trimethylbenzene	105		10.622				ND	
112 n-Butylbenzene	91		10.906				ND	
113 1,2-Dichlorobenzene	146		10.954				ND	
114 1,2-Dibromo-3-Chloropropane	157		11.689				ND	
116 1,2,4-Trichlorobenzene	180		12.484				ND	7
117 Hexachlorobutadiene	225		12.614				ND	
118 Naphthalene	128		12.756				ND	7
119 1,2,3-Trichlorobenzene	180		12.994				ND	
S 128 Xylenes, Total	106		16.620				ND	
T 131 Chlorodifluoromethane TIC	51		1.740				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00008	Amount Added:	2.00	Units: uL	Run Reagent

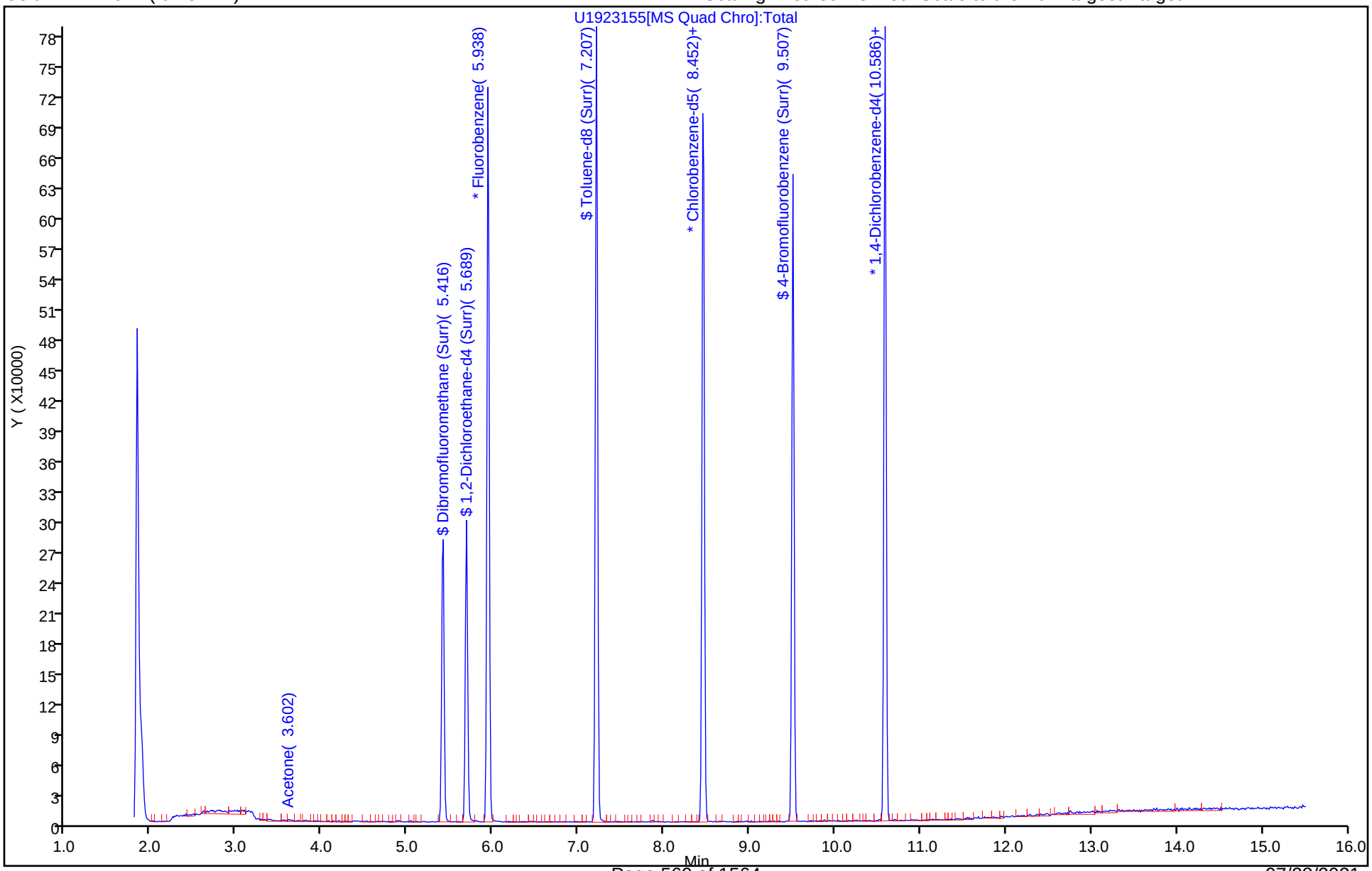
Report Date: 25-Jul-2021 09:12:46 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923155.d

Injection Date:	23-Jul-2021 20:10:40	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	240-152946-B-25	Lab Sample ID:	240-152946-25	Worklist Smp#:	16
Client ID:	MSA-SW44A-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923155.d
Lims ID: 240-152946-B-25
Client ID: MSA-SW44A-071521
Sample Type: Client
Inject. Date: 23-Jul-2021 20:10:40 ALS Bottle#: 0 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111514-016
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Jul-2021 23:39:38 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: laveyt Date: 25-Jul-2021 09:12:45

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	18.9	94.67
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	19.5	97.66
$ 6 Toluene-d8 (Surr)	20.0	20.7	103.62
$ 7 4-Bromofluorobenzene (Surr)	20.0	22.0	110.14

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44B-071521 Lab Sample ID: 240-152946-26

Matrix: Water Lab File ID: U1923156.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:50

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 20:32

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44B-071521 Lab Sample ID: 240-152946-26

Matrix: Water Lab File ID: U1923156.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:50

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 20:32

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44B-071521 Lab Sample ID: 240-152946-26

Matrix: Water Lab File ID: U1923156.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:50

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 20:32

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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)	107		47-134
1868-53-7	Dibromofluoromethane (Surr)	92		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		75-130
2037-26-5	Toluene-d8 (Surr)	104		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44B-071521 Lab Sample ID: 240-152946-26

Matrix: Water Lab File ID: U1923156.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:50

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 20:32

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44B-071521 Lab Sample ID: 240-152946-26

Matrix: Water Lab File ID: U1923156.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:50

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 20:32

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 Units: ug/L

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

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923156.d
Lims ID: 240-152946-B-26
Client ID: MSA-SW44B-071521
Sample Type: Client
Inject. Date: 23-Jul-2021 20:32:41 ALS Bottle#: 0 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111514-017
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Jul-2021 23:39:38 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: laveyt Date: 25-Jul-2021 09:12:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	641611	20.0	
* 2 Chlorobenzene-d5	117	8.464	8.464	0.000	87	458439	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	96	232189	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.404	5.416	-0.012	92	166596	18.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	97	205818	19.1	
$ 6 Toluene-d8 (Surr)	98	7.207	7.206	0.001	94	575083	20.7	
$ 7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	89	218982	21.4	
9 Dichlorodifluoromethane	85		2.072				ND	
10 Chloromethane	50		2.297				ND	
12 Vinyl chloride	62		2.427				ND	
13 Bromomethane	94		2.783				ND	
15 Chloroethane	64		2.878				ND	
17 Trichlorofluoromethane	101		3.127				ND	
20 1,1-Dichloroethene	61		3.590				ND	
21 112TCTFE	101		3.601				ND	
22 Acetone	43	3.602	3.613	-0.011	95	3615	0.8447	
25 Carbon disulfide	76		3.803				ND	7
29 Methylene Chloride	49		4.005				ND	
30 2-Methyl-2-propanol	59		4.064				ND	
33 Methyl tert-butyl ether	73		4.218				ND	
32 trans-1,2-Dichloroethene	61		4.230				ND	
36 Vinyl acetate	43		4.562				ND	
37 Isopropyl ether	87		4.586				ND	
35 1,1-Dichloroethane	63		4.586				ND	
39 Tert-butyl ethyl ether	59		4.870				ND	
40 2-Butanone (MEK)	72		5.013				ND	
41 cis-1,2-Dichloroethene	96		5.036				ND	7
42 2,2-Dichloropropane	77		5.048				ND	
46 Chlorobromomethane	49		5.226				ND	
48 Chloroform	83		5.285				ND	
49 1,1,1-Trichloroethane	97		5.440				ND	
51 1,1-Dichloropropene	75		5.558				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		5.570				ND	
54 Benzene	78		5.724				ND	
55 1,2-Dichloroethane	62		5.748				ND	
56 Tert-amyl methyl ether	73		5.783				ND	
59 Trichloroethene	130		6.222				ND	
62 1,2-Dichloropropane	63		6.436				ND	
64 Dibromomethane	174		6.507				ND	
66 Dichlorobromomethane	83		6.625				ND	
68 2-Chloroethyl vinyl ether	63		6.815				ND	
69 cis-1,3-Dichloropropene	75		6.969				ND	
70 4-Methyl-2-pentanone (MIBK)	43		7.076				ND	
71 Toluene	91		7.266				ND	
72 trans-1,3-Dichloropropene	75		7.432				ND	
75 Tetrachloroethene	166		7.705				ND	
76 1,3-Dichloropropane	76		7.752				ND	
77 2-Hexanone	43		7.764				ND	
79 Chlorodibromomethane	129		7.942				ND	
81 Ethylene Dibromide	107		8.060				ND	
83 Chlorobenzene	112		8.487				ND	
84 1,1,1,2-Tetrachloroethane	131		8.547				ND	
85 Ethylbenzene	106		8.547				ND	
86 m-Xylene & p-Xylene	106		8.665				ND	
87 o-Xylene	106		9.009				ND	
88 Styrene	104		9.021				ND	
89 Bromoform	173		9.211				ND	
90 Isopropylbenzene	105		9.341				ND	
93 1,1,2,2-Tetrachloroethane	83		9.602				ND	
95 Bromobenzene	156		9.661				ND	
96 1,2,3-Trichloropropane	110		9.673				ND	
98 N-Propylbenzene	120		9.721				ND	
100 2-Chlorotoluene	126		9.815				ND	
102 4-Chlorotoluene	126		9.934				ND	
103 tert-Butylbenzene	119		10.183				ND	
105 1,2,4-Trimethylbenzene	105		10.230				ND	
106 sec-Butylbenzene	105		10.385				ND	
108 4-Isopropyltoluene	119		10.515				ND	
107 1,3-Dichlorobenzene	146		10.515				ND	
109 1,4-Dichlorobenzene	146		10.610				ND	
110 1,2,3-Trimethylbenzene	105		10.622				ND	
112 n-Butylbenzene	91		10.906				ND	
113 1,2-Dichlorobenzene	146		10.954				ND	
114 1,2-Dibromo-3-Chloropropane	157		11.689				ND	
116 1,2,4-Trichlorobenzene	180		12.484				ND	7
117 Hexachlorobutadiene	225		12.614				ND	
118 Naphthalene	128		12.756				ND	7
119 1,2,3-Trichlorobenzene	180		12.994				ND	
S 128 Xylenes, Total	106		16.620				ND	
T 131 Chlorodifluoromethane TIC	51		1.740				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00008	Amount Added:	2.00	Units: uL	Run Reagent

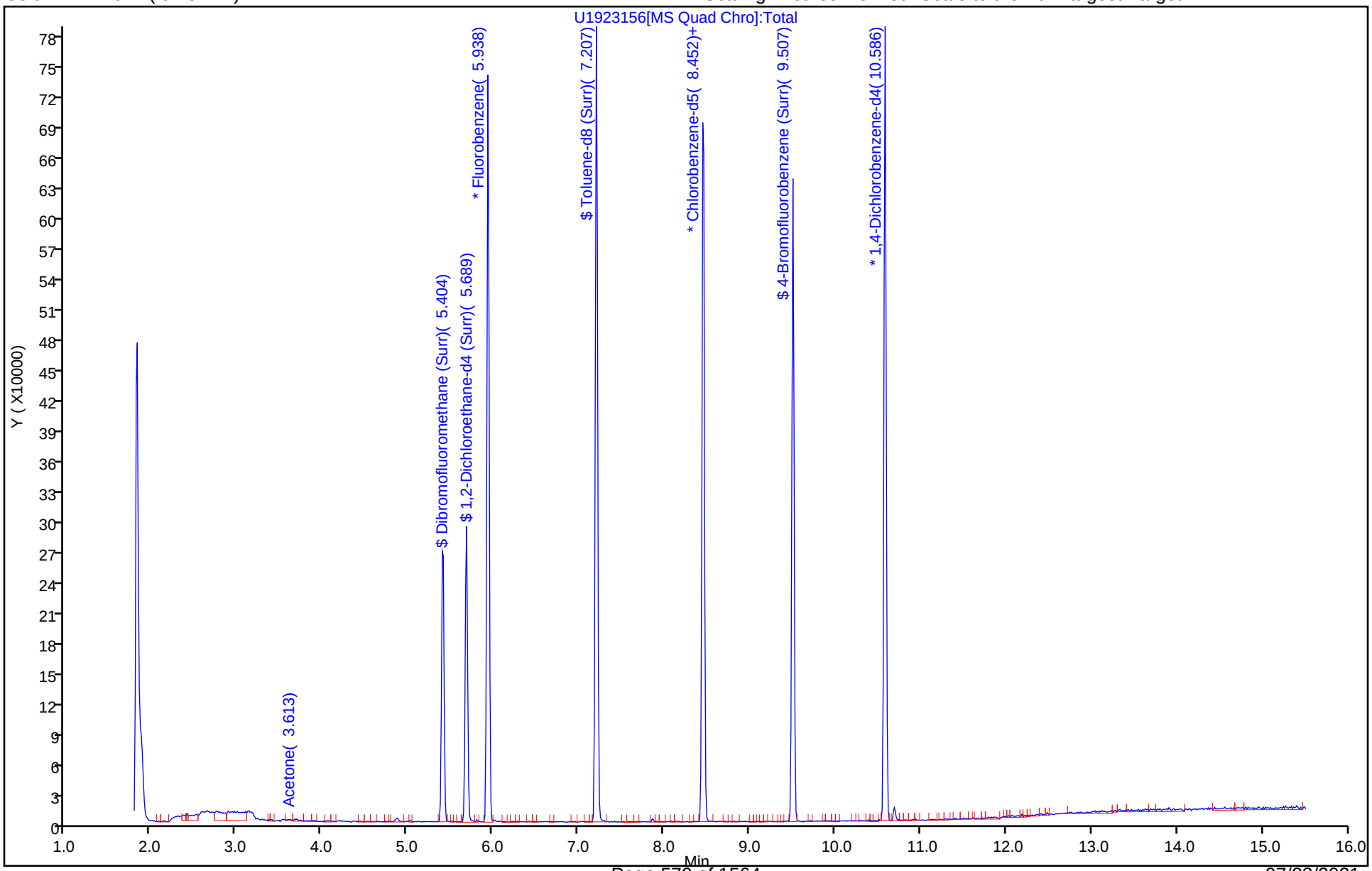
Report Date: 25-Jul-2021 09:12:59 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923156.d

Injection Date:	23-Jul-2021 20:32:41	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	240-152946-B-26	Lab Sample ID:	240-152946-26	Worklist Smp#:	17
Client ID:	MSA-SW44B-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923156.d
Lims ID: 240-152946-B-26
Client ID: MSA-SW44B-071521
Sample Type: Client
Inject. Date: 23-Jul-2021 20:32:41 ALS Bottle#: 0 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111514-017
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Jul-2021 23:39:38 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: laveyt Date: 25-Jul-2021 09:12:59

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	18.3	91.61
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	19.1	95.41
$ 6 Toluene-d8 (Surr)	20.0	20.7	103.75
$ 7 4-Bromofluorobenzene (Surr)	20.0	21.4	107.16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44C-071521 Lab Sample ID: 240-152946-27

Matrix: Water Lab File ID: U1923157.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:52

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44C-071521 Lab Sample ID: 240-152946-27

Matrix: Water Lab File ID: U1923157.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:52

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44C-071521 Lab Sample ID: 240-152946-27

Matrix: Water Lab File ID: U1923157.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:52

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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)	107		47-134
1868-53-7	Dibromofluoromethane (Surr)	91		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		75-130
2037-26-5	Toluene-d8 (Surr)	103		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44C-071521 Lab Sample ID: 240-152946-27

Matrix: Water Lab File ID: U1923157.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:52

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44C-071521 Lab Sample ID: 240-152946-27

Matrix: Water Lab File ID: U1923157.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:52

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 Units: ug/L

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

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923157.d
Lims ID: 240-152946-C-27
Client ID: MSA-SW44C-071521
Sample Type: Client
Inject. Date: 23-Jul-2021 20:54:52 ALS Bottle#: 0 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111514-018
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jul-2021 09:17:34 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: laveyt Date: 25-Jul-2021 09:13:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	625796	20.0	
* 2 Chlorobenzene-d5	117	8.464	8.464	0.000	87	456155	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	96	226317	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.416	5.416	0.000	91	161455	18.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	97	203650	19.4	
$ 6 Toluene-d8 (Surr)	98	7.207	7.206	0.001	94	570614	20.7	
$ 7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	89	216693	21.3	
9 Dichlorodifluoromethane	85		2.072				ND	
10 Chloromethane	50		2.297				ND	
12 Vinyl chloride	62		2.427				ND	
13 Bromomethane	94		2.783				ND	
15 Chloroethane	64		2.878				ND	
17 Trichlorofluoromethane	101		3.127				ND	
20 1,1-Dichloroethene	61		3.590				ND	
21 112TCTFE	101		3.601				ND	
22 Acetone	43	3.613	3.613	0.000	68	1974	0.4729	
25 Carbon disulfide	76		3.803				ND	7
29 Methylene Chloride	49		4.005				ND	
30 2-Methyl-2-propanol	59		4.064				ND	
33 Methyl tert-butyl ether	73		4.218				ND	
32 trans-1,2-Dichloroethene	61		4.230				ND	
36 Vinyl acetate	43		4.562				ND	
37 Isopropyl ether	87		4.586				ND	
35 1,1-Dichloroethane	63		4.586				ND	
39 Tert-butyl ethyl ether	59		4.870				ND	
40 2-Butanone (MEK)	72		5.013				ND	
41 cis-1,2-Dichloroethene	96		5.036				ND	
42 2,2-Dichloropropane	77		5.048				ND	
46 Chlorobromomethane	49		5.226				ND	
48 Chloroform	83		5.285				ND	
49 1,1,1-Trichloroethane	97		5.440				ND	
51 1,1-Dichloropropene	75		5.558				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		5.570				ND	
54 Benzene	78		5.724				ND	
55 1,2-Dichloroethane	62		5.748				ND	
56 Tert-amyl methyl ether	73		5.783				ND	
59 Trichloroethene	130		6.222				ND	
62 1,2-Dichloropropane	63		6.436				ND	
64 Dibromomethane	174		6.507				ND	
66 Dichlorobromomethane	83		6.625				ND	
68 2-Chloroethyl vinyl ether	63		6.815				ND	
69 cis-1,3-Dichloropropene	75		6.969				ND	
70 4-Methyl-2-pentanone (MIBK)	43		7.076				ND	
71 Toluene	91		7.266				ND	7
72 trans-1,3-Dichloropropene	75		7.432				ND	
75 Tetrachloroethene	166		7.705				ND	
76 1,3-Dichloropropane	76		7.752				ND	
77 2-Hexanone	43		7.764				ND	
79 Chlorodibromomethane	129		7.942				ND	
81 Ethylene Dibromide	107		8.060				ND	
83 Chlorobenzene	112		8.487				ND	
84 1,1,1,2-Tetrachloroethane	131		8.547				ND	
85 Ethylbenzene	106		8.547				ND	
86 m-Xylene & p-Xylene	106		8.665				ND	
87 o-Xylene	106		9.009				ND	
88 Styrene	104		9.021				ND	
89 Bromoform	173		9.211				ND	
90 Isopropylbenzene	105		9.341				ND	
93 1,1,2,2-Tetrachloroethane	83		9.602				ND	
95 Bromobenzene	156		9.661				ND	
96 1,2,3-Trichloropropane	110		9.673				ND	
98 N-Propylbenzene	120		9.721				ND	
100 2-Chlorotoluene	126		9.815				ND	
102 4-Chlorotoluene	126		9.934				ND	
103 tert-Butylbenzene	119		10.183				ND	
105 1,2,4-Trimethylbenzene	105		10.230				ND	
106 sec-Butylbenzene	105		10.385				ND	
108 4-Isopropyltoluene	119		10.515				ND	
107 1,3-Dichlorobenzene	146		10.515				ND	7
109 1,4-Dichlorobenzene	146		10.610				ND	7
110 1,2,3-Trimethylbenzene	105		10.622				ND	
112 n-Butylbenzene	91		10.906				ND	
113 1,2-Dichlorobenzene	146		10.954				ND	
114 1,2-Dibromo-3-Chloropropane	157		11.689				ND	
116 1,2,4-Trichlorobenzene	180		12.484				ND	
117 Hexachlorobutadiene	225		12.614				ND	
118 Naphthalene	128		12.756				ND	7
119 1,2,3-Trichlorobenzene	180		12.994				ND	
S 128 Xylenes, Total	106		16.620				ND	
T 131 Chlorodifluoromethane TIC	51		1.740				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

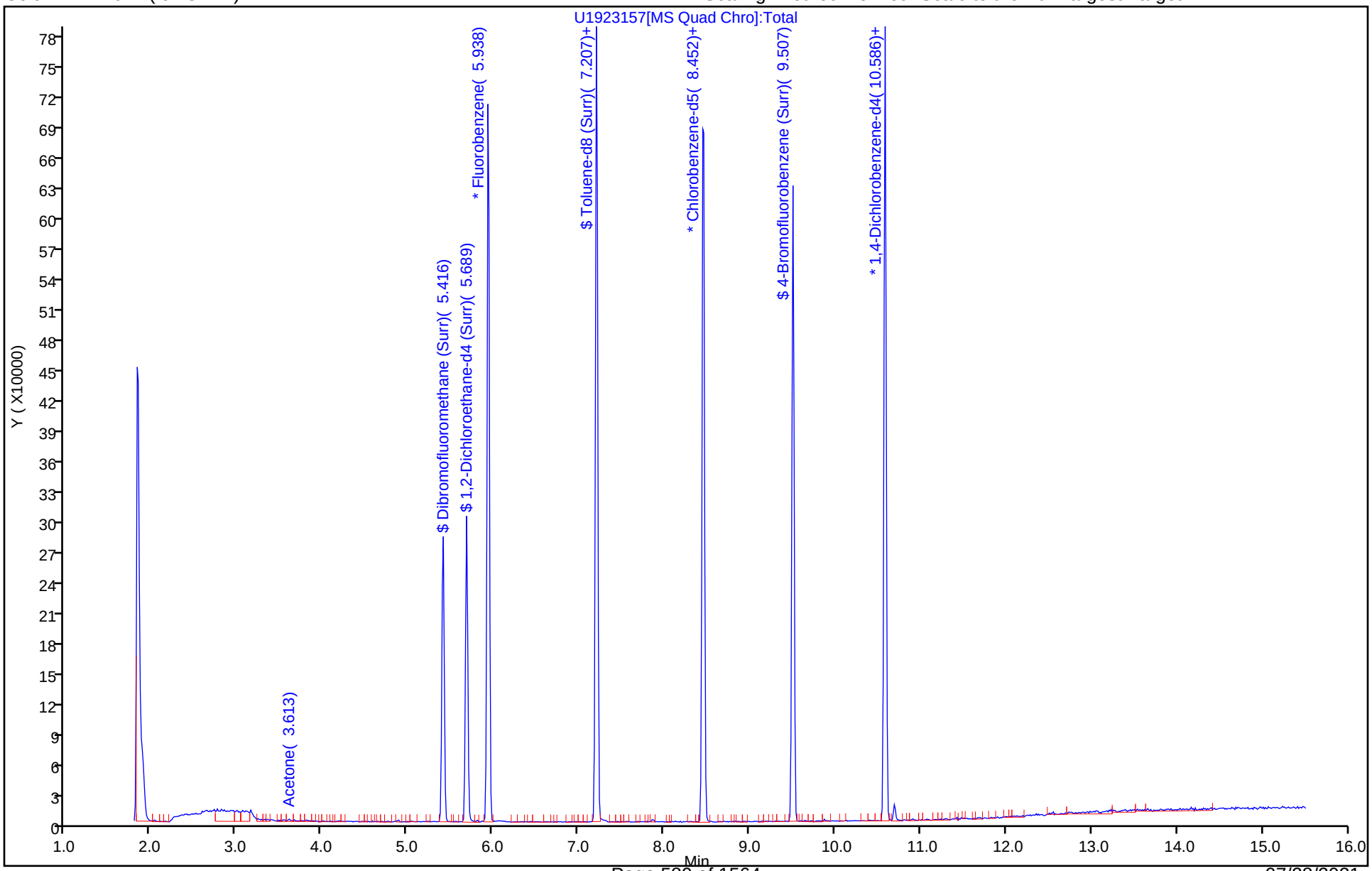
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00008	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 25-Jul-2021 09:39:16 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923157.d				
Injection Date:	23-Jul-2021 20:54:52	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	240-152946-C-27	Lab Sample ID:	240-152946-27	Worklist Smp#:	18
Client ID:	MSA-SW44C-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923157.d
Lims ID: 240-152946-C-27
Client ID: MSA-SW44C-071521
Sample Type: Client
Inject. Date: 23-Jul-2021 20:54:52 ALS Bottle#: 0 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111514-018
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jul-2021 09:17:34 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: laveyt Date: 25-Jul-2021 09:13:15

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	18.2	91.03
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	19.4	96.79
$ 6 Toluene-d8 (Surr)	20.0	20.7	103.46
$ 7 4-Bromofluorobenzene (Surr)	20.0	21.3	106.57

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44D-071521 Lab Sample ID: 240-152946-28

Matrix: Water Lab File ID: U1923158.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:55

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44D-071521 Lab Sample ID: 240-152946-28

Matrix: Water Lab File ID: U1923158.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:55

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44D-071521 Lab Sample ID: 240-152946-28

Matrix: Water Lab File ID: U1923158.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:55

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	94		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		75-130
2037-26-5	Toluene-d8 (Surr)	101		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44D-071521 Lab Sample ID: 240-152946-28

Matrix: Water Lab File ID: U1923158.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:55

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44D-071521 Lab Sample ID: 240-152946-28

Matrix: Water Lab File ID: U1923158.d

Analysis Method: 8260C Date Collected: 07/15/2021 07:55

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 Units: ug/L

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

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923158.d
Lims ID: 240-152946-C-28
Client ID: MSA-SW44D-071521
Sample Type: Client
Inject. Date: 23-Jul-2021 21:16:52 ALS Bottle#: 0 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111514-019
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jul-2021 09:17:34 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: laveyt Date: 25-Jul-2021 09:13:29

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.938	5.938	0.000	99	613023	20.0	
*	2 Chlorobenzene-d5	117	8.464	8.464	0.000	86	439979	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	96	222601	20.0	
$	4 Dibromofluoromethane (Surr)	111	5.416	5.416	0.000	92	164170	18.9	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	97	196113	19.0	
$	6 Toluene-d8 (Surr)	98	7.207	7.206	0.001	94	537940	20.2	
$	7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	90	202758	20.7	
	9 Dichlorodifluoromethane	85		2.072				ND	
	10 Chloromethane	50		2.297				ND	7
	12 Vinyl chloride	62		2.427				ND	
	13 Bromomethane	94		2.783				ND	
	15 Chloroethane	64		2.878				ND	
	17 Trichlorofluoromethane	101		3.127				ND	
	20 1,1-Dichloroethene	61		3.590				ND	
	21 112TCTFE	101		3.601				ND	
	22 Acetone	43	3.614	3.613	0.001	78	4564	1.12	
	25 Carbon disulfide	76		3.803				ND	7
	29 Methylene Chloride	49		4.005				ND	
	30 2-Methyl-2-propanol	59		4.064				ND	
	33 Methyl tert-butyl ether	73		4.218				ND	
	32 trans-1,2-Dichloroethene	61		4.230				ND	
	36 Vinyl acetate	43		4.562				ND	
	37 Isopropyl ether	87		4.586				ND	
	35 1,1-Dichloroethane	63		4.586				ND	
	39 Tert-butyl ethyl ether	59		4.870				ND	
	40 2-Butanone (MEK)	72		5.013				ND	
	41 cis-1,2-Dichloroethene	96		5.036				ND	
	42 2,2-Dichloropropane	77		5.048				ND	
	46 Chlorobromomethane	49		5.226				ND	
	48 Chloroform	83		5.285				ND	
	49 1,1,1-Trichloroethane	97		5.440				ND	
	51 1,1-Dichloropropene	75		5.558				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		5.570				ND	
54 Benzene	78		5.724				ND	
55 1,2-Dichloroethane	62		5.748				ND	
56 Tert-amyl methyl ether	73		5.783				ND	
59 Trichloroethene	130		6.222				ND	
62 1,2-Dichloropropane	63		6.436				ND	
64 Dibromomethane	174		6.507				ND	
66 Dichlorobromomethane	83		6.625				ND	
68 2-Chloroethyl vinyl ether	63		6.815				ND	
69 cis-1,3-Dichloropropene	75		6.969				ND	
70 4-Methyl-2-pentanone (MIBK)	43		7.076				ND	
71 Toluene	91		7.266				ND	
72 trans-1,3-Dichloropropene	75		7.432				ND	
75 Tetrachloroethene	166		7.705				ND	
76 1,3-Dichloropropane	76		7.752				ND	
77 2-Hexanone	43		7.764				ND	7
79 Chlorodibromomethane	129		7.942				ND	
81 Ethylene Dibromide	107		8.060				ND	
83 Chlorobenzene	112		8.487				ND	
84 1,1,1,2-Tetrachloroethane	131		8.547				ND	
85 Ethylbenzene	106		8.547				ND	
86 m-Xylene & p-Xylene	106		8.665				ND	
87 o-Xylene	106		9.009				ND	
88 Styrene	104		9.021				ND	
89 Bromoform	173		9.211				ND	
90 Isopropylbenzene	105		9.341				ND	
93 1,1,2,2-Tetrachloroethane	83		9.602				ND	
95 Bromobenzene	156		9.661				ND	
96 1,2,3-Trichloropropane	110		9.673				ND	
98 N-Propylbenzene	120		9.721				ND	
100 2-Chlorotoluene	126		9.815				ND	
102 4-Chlorotoluene	126		9.934				ND	
103 tert-Butylbenzene	119		10.183				ND	
105 1,2,4-Trimethylbenzene	105		10.230				ND	
106 sec-Butylbenzene	105		10.385				ND	
108 4-Isopropyltoluene	119		10.515				ND	
107 1,3-Dichlorobenzene	146		10.515				ND	7
109 1,4-Dichlorobenzene	146		10.610				ND	7
110 1,2,3-Trimethylbenzene	105		10.622				ND	
112 n-Butylbenzene	91		10.906				ND	
113 1,2-Dichlorobenzene	146		10.954				ND	
114 1,2-Dibromo-3-Chloropropane	157		11.689				ND	
116 1,2,4-Trichlorobenzene	180		12.484				ND	
117 Hexachlorobutadiene	225		12.614				ND	
118 Naphthalene	128		12.756				ND	7
119 1,2,3-Trichlorobenzene	180		12.994				ND	
S 128 Xylenes, Total	106		16.620				ND	
T 131 Chlorodifluoromethane TIC	51		1.740				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00008	Amount Added:	2.00	Units: uL	Run Reagent

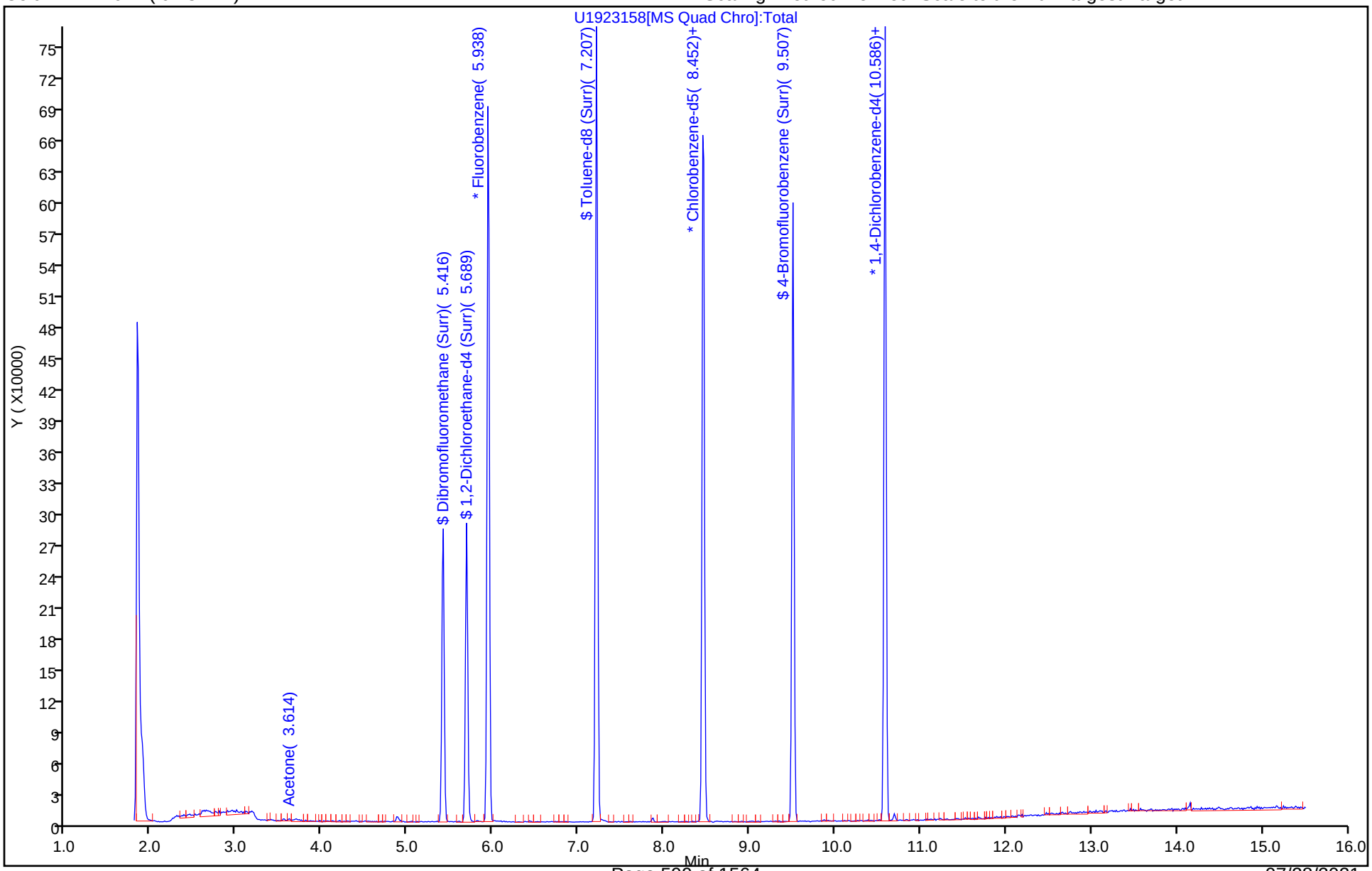
Report Date: 25-Jul-2021 09:39:29 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923158.d

Injection Date:	23-Jul-2021 21:16:52	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	240-152946-C-28	Lab Sample ID:	240-152946-28	Worklist Smp#:	19
Client ID:	MSA-SW44D-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923158.d
Lims ID: 240-152946-C-28
Client ID: MSA-SW44D-071521
Sample Type: Client
Inject. Date: 23-Jul-2021 21:16:52 ALS Bottle#: 0 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111514-019
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jul-2021 09:17:34 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: laveyt Date: 25-Jul-2021 09:13:29

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	18.9	94.49
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	19.0	95.15
$ 6 Toluene-d8 (Surr)	20.0	20.2	101.12
$ 7 4-Bromofluorobenzene (Surr)	20.0	20.7	103.38

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: TB-071521 Lab Sample ID: 240-152946-29

Matrix: Water Lab File ID: U1923159.d

Analysis Method: 8260C Date Collected: 07/15/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 21:39

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: TB-071521 Lab Sample ID: 240-152946-29

Matrix: Water Lab File ID: U1923159.d

Analysis Method: 8260C Date Collected: 07/15/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 21:39

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: TB-071521 Lab Sample ID: 240-152946-29

Matrix: Water Lab File ID: U1923159.d

Analysis Method: 8260C Date Collected: 07/15/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 21:39

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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)	105		47-134
1868-53-7	Dibromofluoromethane (Surr)	94		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		75-130
2037-26-5	Toluene-d8 (Surr)	102		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: TB-071521 Lab Sample ID: 240-152946-29

Matrix: Water Lab File ID: U1923159.d

Analysis Method: 8260C Date Collected: 07/15/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 21:39

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: TB-071521 Lab Sample ID: 240-152946-29

Matrix: Water Lab File ID: U1923159.d

Analysis Method: 8260C Date Collected: 07/15/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 21:39

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 Units: ug/L

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

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923159.d
Lims ID: 240-152946-B-29
Client ID: TB-071521
Sample Type: Client
Inject. Date: 23-Jul-2021 21:39:13 ALS Bottle#: 0 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111514-020
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jul-2021 09:17:34 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: laveyt Date: 25-Jul-2021 09:13:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	605702	20.0	
* 2 Chlorobenzene-d5	117	8.464	8.464	0.000	87	447788	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	96	232472	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.416	5.416	0.000	92	161456	18.8	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	96	193729	19.0	
$ 6 Toluene-d8 (Surr)	98	7.207	7.206	0.001	94	554886	20.5	
$ 7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	90	208864	20.9	
9 Dichlorodifluoromethane	85		2.072				ND	
10 Chloromethane	50		2.297				ND	
12 Vinyl chloride	62		2.427				ND	
13 Bromomethane	94		2.783				ND	
15 Chloroethane	64		2.878				ND	
17 Trichlorofluoromethane	101		3.127				ND	
20 1,1-Dichloroethene	61		3.590				ND	
21 112TCTFE	101		3.601				ND	
22 Acetone	43	3.613	3.613	0.000	67	2219	0.5492	
25 Carbon disulfide	76		3.803				ND	7
29 Methylene Chloride	49		4.005				ND	
30 2-Methyl-2-propanol	59		4.064				ND	
33 Methyl tert-butyl ether	73		4.218				ND	
32 trans-1,2-Dichloroethene	61		4.230				ND	
36 Vinyl acetate	43		4.562				ND	
37 Isopropyl ether	87		4.586				ND	
35 1,1-Dichloroethane	63		4.586				ND	
39 Tert-butyl ethyl ether	59		4.870				ND	
40 2-Butanone (MEK)	72		5.013				ND	
41 cis-1,2-Dichloroethene	96		5.036				ND	
42 2,2-Dichloropropane	77		5.048				ND	
46 Chlorobromomethane	49		5.226				ND	
48 Chloroform	83		5.285				ND	
49 1,1,1-Trichloroethane	97		5.440				ND	
51 1,1-Dichloropropene	75		5.558				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		5.570				ND	
54 Benzene	78		5.724				ND	
55 1,2-Dichloroethane	62		5.748				ND	7
56 Tert-amyl methyl ether	73		5.783				ND	
59 Trichloroethene	130		6.222				ND	
62 1,2-Dichloropropane	63		6.436				ND	
64 Dibromomethane	174		6.507				ND	
66 Dichlorobromomethane	83		6.625				ND	
68 2-Chloroethyl vinyl ether	63		6.815				ND	
69 cis-1,3-Dichloropropene	75		6.969				ND	
70 4-Methyl-2-pentanone (MIBK)	43		7.076				ND	
71 Toluene	91		7.266				ND	
72 trans-1,3-Dichloropropene	75		7.432				ND	
75 Tetrachloroethene	166		7.705				ND	
76 1,3-Dichloropropane	76		7.752				ND	
77 2-Hexanone	43		7.764				ND	
79 Chlorodibromomethane	129		7.942				ND	
81 Ethylene Dibromide	107		8.060				ND	
83 Chlorobenzene	112		8.487				ND	
84 1,1,1,2-Tetrachloroethane	131		8.547				ND	
85 Ethylbenzene	106		8.547				ND	
86 m-Xylene & p-Xylene	106		8.665				ND	
87 o-Xylene	106		9.009				ND	
88 Styrene	104		9.021				ND	
89 Bromoform	173		9.211				ND	
90 Isopropylbenzene	105		9.341				ND	
93 1,1,2,2-Tetrachloroethane	83		9.602				ND	
95 Bromobenzene	156		9.661				ND	
96 1,2,3-Trichloropropane	110		9.673				ND	
98 N-Propylbenzene	120		9.721				ND	
100 2-Chlorotoluene	126		9.815				ND	
102 4-Chlorotoluene	126		9.934				ND	
103 tert-Butylbenzene	119		10.183				ND	
105 1,2,4-Trimethylbenzene	105		10.230				ND	
106 sec-Butylbenzene	105		10.385				ND	
108 4-Isopropyltoluene	119		10.515				ND	
107 1,3-Dichlorobenzene	146		10.515				ND	7
109 1,4-Dichlorobenzene	146		10.610				ND	7
110 1,2,3-Trimethylbenzene	105		10.622				ND	
112 n-Butylbenzene	91		10.906				ND	
113 1,2-Dichlorobenzene	146		10.954				ND	
114 1,2-Dibromo-3-Chloropropane	157		11.689				ND	
116 1,2,4-Trichlorobenzene	180		12.484				ND	
117 Hexachlorobutadiene	225		12.614				ND	
118 Naphthalene	128		12.756				ND	7
119 1,2,3-Trichlorobenzene	180		12.994				ND	
S 128 Xylenes, Total	106		16.620				ND	
T 131 Chlorodifluoromethane TIC	51		1.740				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00008	Amount Added:	2.00	Units: uL	Run Reagent

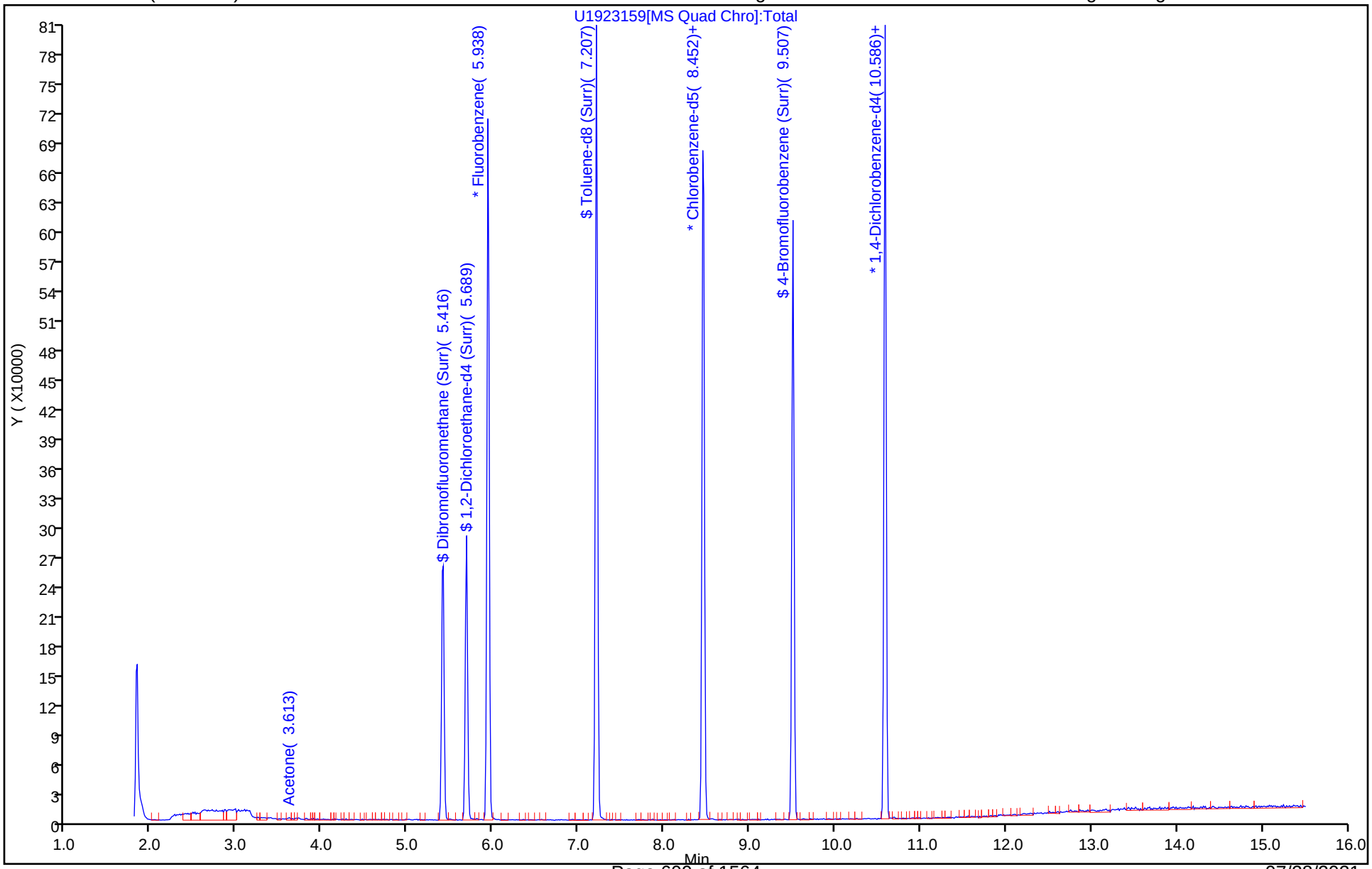
Report Date: 25-Jul-2021 09:39:38 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923159.d

Injection Date:	23-Jul-2021 21:39:13	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	240-152946-B-29	Lab Sample ID:	240-152946-29	Worklist Smp#:	20
Client ID:	TB-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923159.d
Lims ID: 240-152946-B-29
Client ID: TB-071521
Sample Type: Client
Inject. Date: 23-Jul-2021 21:39:13 ALS Bottle#: 0 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111514-020
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jul-2021 09:17:34 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: laveyt Date: 25-Jul-2021 09:13:45

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	18.8	94.05
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	19.0	95.13
$ 6 Toluene-d8 (Surr)	20.0	20.5	102.49
$ 7 4-Bromofluorobenzene (Surr)	20.0	20.9	104.64

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW46A-071521 Lab Sample ID: 240-152946-30

Matrix: Water Lab File ID: U1923160.d

Analysis Method: 8260C Date Collected: 07/15/2021 09:05

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 22:01

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW46A-071521 Lab Sample ID: 240-152946-30

Matrix: Water Lab File ID: U1923160.d

Analysis Method: 8260C Date Collected: 07/15/2021 09:05

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 22:01

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW46A-071521 Lab Sample ID: 240-152946-30

Matrix: Water Lab File ID: U1923160.d

Analysis Method: 8260C Date Collected: 07/15/2021 09:05

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 22:01

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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)	104		47-134
1868-53-7	Dibromofluoromethane (Surr)	92		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		75-130
2037-26-5	Toluene-d8 (Surr)	103		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW46A-071521 Lab Sample ID: 240-152946-30

Matrix: Water Lab File ID: U1923160.d

Analysis Method: 8260C Date Collected: 07/15/2021 09:05

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 22:01

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW46A-071521 Lab Sample ID: 240-152946-30

Matrix: Water Lab File ID: U1923160.d

Analysis Method: 8260C Date Collected: 07/15/2021 09:05

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 22:01

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 Units: ug/L

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

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923160.d
Lims ID: 240-152946-C-30
Client ID: MSA-SW46A-071521
Sample Type: Client
Inject. Date: 23-Jul-2021 22:01:34 ALS Bottle#: 0 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111514-021
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jul-2021 09:17:34 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: laveyt Date: 25-Jul-2021 09:13:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	599676	20.0	
* 2 Chlorobenzene-d5	117	8.464	8.464	0.000	86	431731	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	96	218813	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.416	5.416	0.000	92	156925	18.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	97	193664	19.2	
$ 6 Toluene-d8 (Surr)	98	7.207	7.206	0.001	94	537589	20.6	
$ 7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	90	200693	20.9	
9 Dichlorodifluoromethane	85		2.072				ND	
10 Chloromethane	50		2.297				ND	
12 Vinyl chloride	62		2.427				ND	
13 Bromomethane	94		2.783				ND	
15 Chloroethane	64		2.878				ND	
17 Trichlorofluoromethane	101		3.127				ND	
20 1,1-Dichloroethene	61		3.590				ND	
21 112TCTFE	101		3.601				ND	
22 Acetone	43	3.613	3.613	0.000	96	3974	0.99	
25 Carbon disulfide	76		3.803				ND	7
29 Methylene Chloride	49		4.005				ND	
30 2-Methyl-2-propanol	59		4.064				ND	
33 Methyl tert-butyl ether	73		4.218				ND	
32 trans-1,2-Dichloroethene	61		4.230				ND	
36 Vinyl acetate	43		4.562				ND	
37 Isopropyl ether	87		4.586				ND	
35 1,1-Dichloroethane	63		4.586				ND	
39 Tert-butyl ethyl ether	59		4.870				ND	
40 2-Butanone (MEK)	72		5.013				ND	
41 cis-1,2-Dichloroethene	96		5.036				ND	
42 2,2-Dichloropropane	77		5.048				ND	
46 Chlorobromomethane	49		5.226				ND	
48 Chloroform	83		5.285				ND	
49 1,1,1-Trichloroethane	97		5.440				ND	
51 1,1-Dichloropropene	75		5.558				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		5.570				ND	
54 Benzene	78		5.724				ND	
55 1,2-Dichloroethane	62		5.748				ND	
56 Tert-amyl methyl ether	73		5.783				ND	
59 Trichloroethene	130		6.222				ND	
62 1,2-Dichloropropane	63		6.436				ND	
64 Dibromomethane	174		6.507				ND	
66 Dichlorobromomethane	83		6.625				ND	
68 2-Chloroethyl vinyl ether	63		6.815				ND	
69 cis-1,3-Dichloropropene	75		6.969				ND	
70 4-Methyl-2-pentanone (MIBK)	43		7.076				ND	
71 Toluene	91		7.266				ND	
72 trans-1,3-Dichloropropene	75		7.432				ND	
75 Tetrachloroethene	166		7.705				ND	
76 1,3-Dichloropropane	76		7.752				ND	
77 2-Hexanone	43		7.764				ND	7
79 Chlorodibromomethane	129		7.942				ND	
81 Ethylene Dibromide	107		8.060				ND	
83 Chlorobenzene	112		8.487				ND	
84 1,1,1,2-Tetrachloroethane	131		8.547				ND	
85 Ethylbenzene	106		8.547				ND	
86 m-Xylene & p-Xylene	106		8.665				ND	
87 o-Xylene	106		9.009				ND	
88 Styrene	104		9.021				ND	
89 Bromoform	173		9.211				ND	
90 Isopropylbenzene	105		9.341				ND	
93 1,1,2,2-Tetrachloroethane	83		9.602				ND	
95 Bromobenzene	156		9.661				ND	
96 1,2,3-Trichloropropane	110		9.673				ND	
98 N-Propylbenzene	120		9.721				ND	
100 2-Chlorotoluene	126		9.815				ND	
102 4-Chlorotoluene	126		9.934				ND	
103 tert-Butylbenzene	119		10.183				ND	
105 1,2,4-Trimethylbenzene	105		10.230				ND	
106 sec-Butylbenzene	105		10.385				ND	
108 4-Isopropyltoluene	119		10.515				ND	
107 1,3-Dichlorobenzene	146		10.515				ND	7
109 1,4-Dichlorobenzene	146		10.610				ND	
110 1,2,3-Trimethylbenzene	105		10.622				ND	
112 n-Butylbenzene	91		10.906				ND	
113 1,2-Dichlorobenzene	146		10.954				ND	
114 1,2-Dibromo-3-Chloropropane	157		11.689				ND	
116 1,2,4-Trichlorobenzene	180		12.484				ND	
117 Hexachlorobutadiene	225		12.614				ND	
118 Naphthalene	128		12.756				ND	7
119 1,2,3-Trichlorobenzene	180		12.994				ND	
S 128 Xylenes, Total	106		16.620				ND	
T 131 Chlorodifluoromethane TIC	51		1.740				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00008	Amount Added:	2.00	Units: uL	Run Reagent

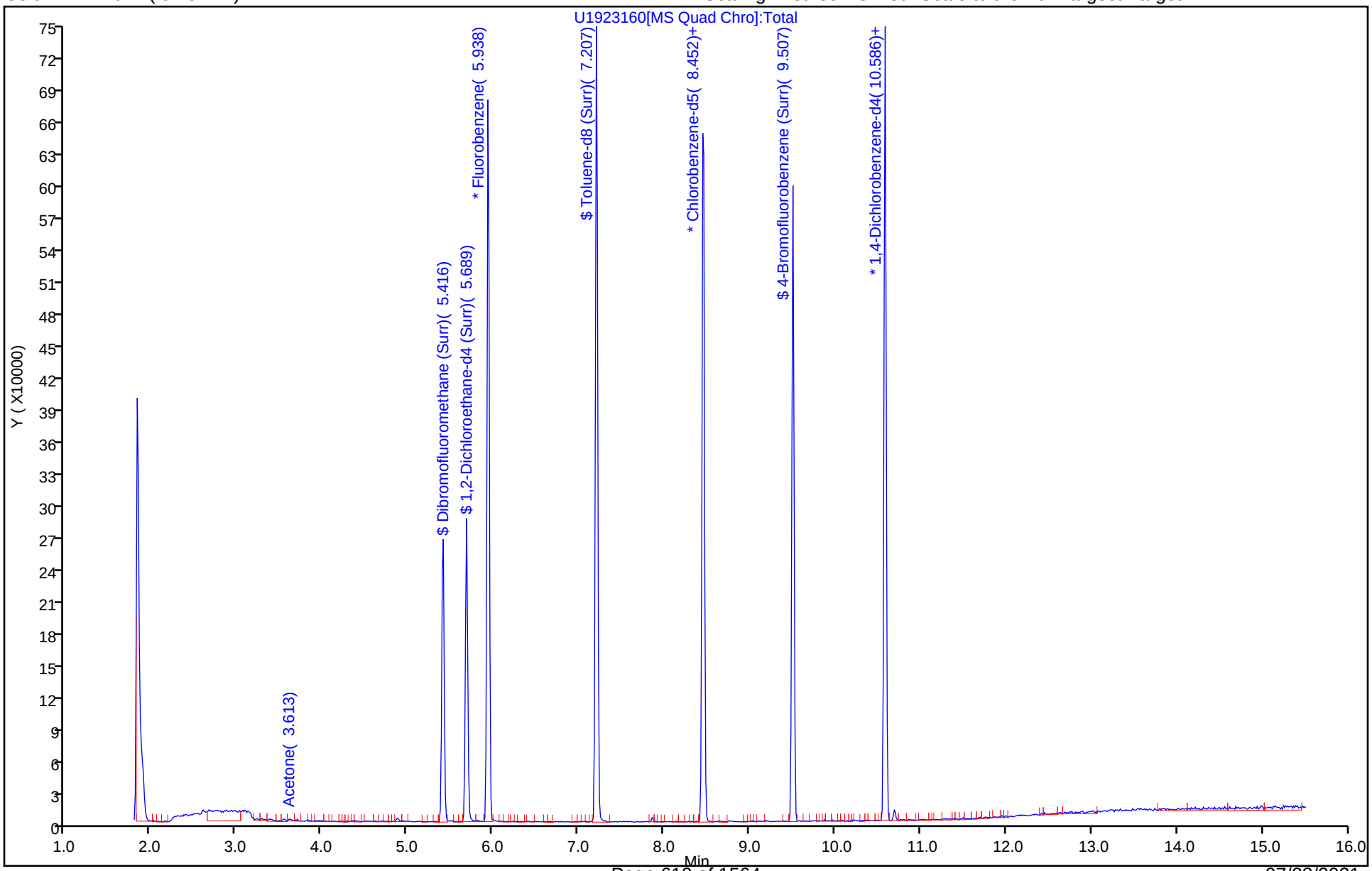
Report Date: 25-Jul-2021 09:39:49 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923160.d

Injection Date:	23-Jul-2021 22:01:34	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	240-152946-C-30	Lab Sample ID:	240-152946-30	Worklist Smp#:	21
Client ID:	MSA-SW46A-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923160.d
Lims ID: 240-152946-C-30
Client ID: MSA-SW46A-071521
Sample Type: Client
Inject. Date: 23-Jul-2021 22:01:34 ALS Bottle#: 0 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111514-021
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jul-2021 09:17:34 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: laveyt Date: 25-Jul-2021 09:13:59

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	18.5	92.33
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	19.2	96.05
$ 6 Toluene-d8 (Surr)	20.0	20.6	102.99
$ 7 4-Bromofluorobenzene (Surr)	20.0	20.9	104.28

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW47A-071521 Lab Sample ID: 240-152946-31

Matrix: Water Lab File ID: U1923161.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:46

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW47A-071521 Lab Sample ID: 240-152946-31

Matrix: Water Lab File ID: U1923161.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:46

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW47A-071521 Lab Sample ID: 240-152946-31

Matrix: Water Lab File ID: U1923161.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:46

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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)	105		47-134
1868-53-7	Dibromofluoromethane (Surr)	92		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		75-130
2037-26-5	Toluene-d8 (Surr)	102		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW47A-071521 Lab Sample ID: 240-152946-31

Matrix: Water Lab File ID: U1923161.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:46

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW47A-071521 Lab Sample ID: 240-152946-31

Matrix: Water Lab File ID: U1923161.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:46

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 Units: ug/L

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

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923161.d
Lims ID: 240-152946-C-31
Client ID: MSA-SW47A-071521
Sample Type: Client
Inject. Date: 23-Jul-2021 22:23:43 ALS Bottle#: 0 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111514-022
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Jul-2021 23:39:38 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: laveyt Date: 25-Jul-2021 09:14:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	611957	20.0	
* 2 Chlorobenzene-d5	117	8.464	8.464	0.000	87	438422	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	96	227408	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.416	5.416	0.000	92	160270	18.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	97	196323	19.1	
$ 6 Toluene-d8 (Surr)	98	7.207	7.206	0.001	94	539586	20.4	
$ 7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	90	205164	21.0	
9 Dichlorodifluoromethane	85		2.072				ND	
10 Chloromethane	50		2.297				ND	
12 Vinyl chloride	62		2.427				ND	
13 Bromomethane	94		2.783				ND	7
15 Chloroethane	64		2.878				ND	
17 Trichlorofluoromethane	101		3.127				ND	
20 1,1-Dichloroethene	61		3.590				ND	
21 112TCTFE	101		3.601				ND	
22 Acetone	43	3.613	3.613	0.000	90	3986	0.9765	
25 Carbon disulfide	76		3.803				ND	7
29 Methylene Chloride	49		4.005				ND	
30 2-Methyl-2-propanol	59		4.064				ND	
33 Methyl tert-butyl ether	73		4.218				ND	
32 trans-1,2-Dichloroethene	61		4.230				ND	
36 Vinyl acetate	43		4.562				ND	
37 Isopropyl ether	87		4.586				ND	
35 1,1-Dichloroethane	63		4.586				ND	
39 Tert-butyl ethyl ether	59		4.870				ND	
40 2-Butanone (MEK)	72		5.013				ND	
41 cis-1,2-Dichloroethene	96		5.036				ND	
42 2,2-Dichloropropane	77		5.048				ND	
46 Chlorobromomethane	49		5.226				ND	
48 Chloroform	83		5.285				ND	
49 1,1,1-Trichloroethane	97		5.440				ND	
51 1,1-Dichloropropene	75		5.558				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		5.570				ND	
54 Benzene	78		5.724				ND	7
55 1,2-Dichloroethane	62		5.748				ND	7
56 Tert-amyl methyl ether	73		5.783				ND	
59 Trichloroethene	130		6.222				ND	
62 1,2-Dichloropropane	63		6.436				ND	
64 Dibromomethane	174		6.507				ND	
66 Dichlorobromomethane	83		6.625				ND	
68 2-Chloroethyl vinyl ether	63		6.815				ND	
69 cis-1,3-Dichloropropene	75		6.969				ND	
70 4-Methyl-2-pentanone (MIBK)	43		7.076				ND	
71 Toluene	91		7.266				ND	7
72 trans-1,3-Dichloropropene	75		7.432				ND	
75 Tetrachloroethene	166		7.705				ND	
76 1,3-Dichloropropane	76		7.752				ND	
77 2-Hexanone	43		7.764				ND	7
79 Chlorodibromomethane	129		7.942				ND	
81 Ethylene Dibromide	107		8.060				ND	
83 Chlorobenzene	112		8.487				ND	
84 1,1,1,2-Tetrachloroethane	131		8.547				ND	
85 Ethylbenzene	106		8.547				ND	
86 m-Xylene & p-Xylene	106		8.665				ND	
87 o-Xylene	106		9.009				ND	
88 Styrene	104		9.021				ND	
89 Bromoform	173		9.211				ND	
90 Isopropylbenzene	105		9.341				ND	
93 1,1,2,2-Tetrachloroethane	83		9.602				ND	
95 Bromobenzene	156		9.661				ND	
96 1,2,3-Trichloropropane	110		9.673				ND	
98 N-Propylbenzene	120		9.721				ND	
100 2-Chlorotoluene	126		9.815				ND	
102 4-Chlorotoluene	126		9.934				ND	
103 tert-Butylbenzene	119		10.183				ND	
105 1,2,4-Trimethylbenzene	105		10.230				ND	
106 sec-Butylbenzene	105		10.385				ND	
108 4-Isopropyltoluene	119		10.515				ND	
107 1,3-Dichlorobenzene	146		10.515				ND	7
109 1,4-Dichlorobenzene	146		10.610				ND	7
110 1,2,3-Trimethylbenzene	105		10.622				ND	
112 n-Butylbenzene	91		10.906				ND	
113 1,2-Dichlorobenzene	146		10.954				ND	
114 1,2-Dibromo-3-Chloropropane	157		11.689				ND	
116 1,2,4-Trichlorobenzene	180		12.484				ND	
117 Hexachlorobutadiene	225		12.614				ND	
118 Naphthalene	128		12.756				ND	7
119 1,2,3-Trichlorobenzene	180		12.994				ND	
S 128 Xylenes, Total	106		16.620				ND	
T 131 Chlorodifluoromethane TIC	51		1.740				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00008	Amount Added:	2.00	Units: uL	Run Reagent

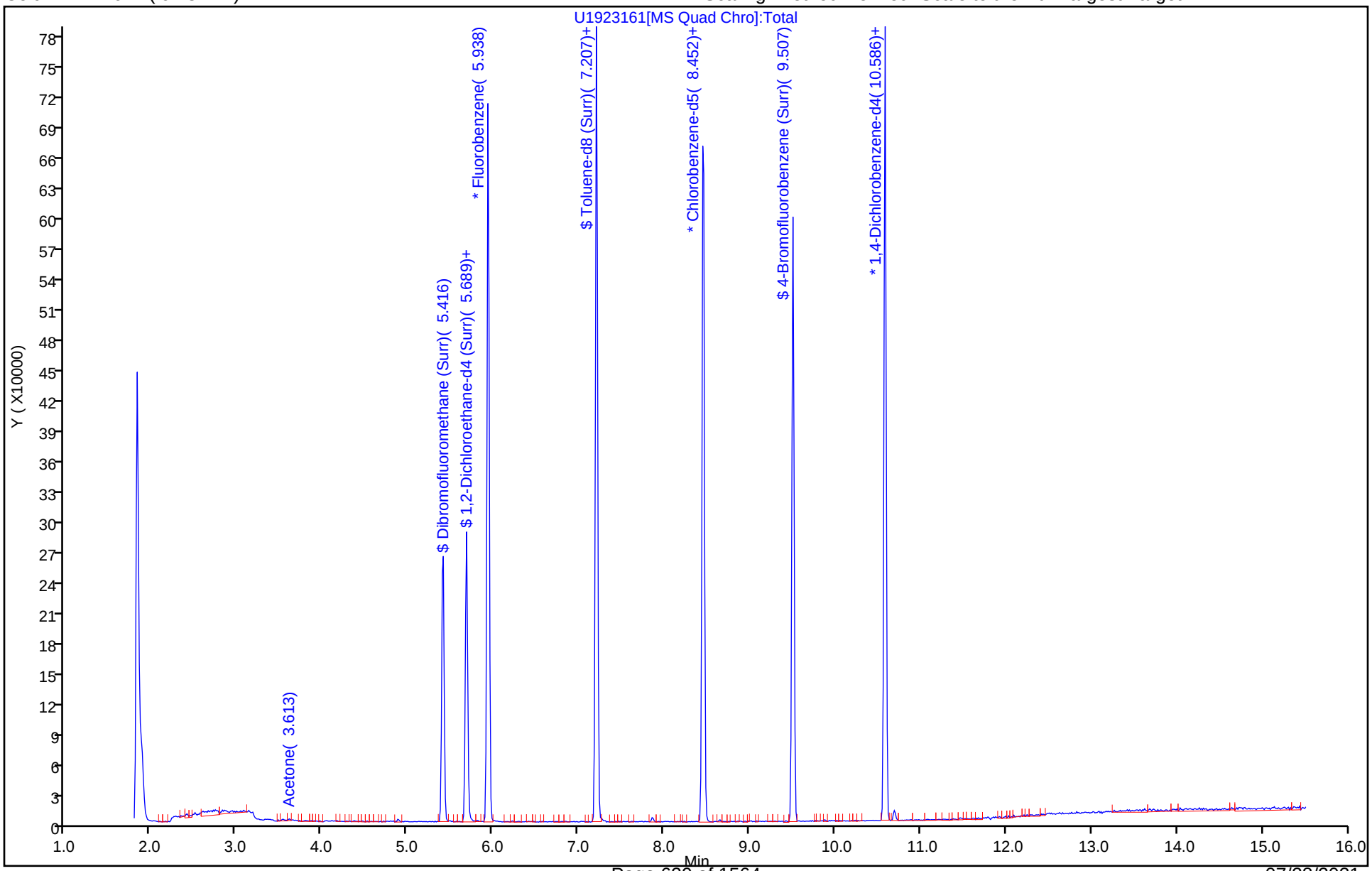
Report Date: 25-Jul-2021 09:14:13 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923161.d

Injection Date:	23-Jul-2021 22:23:43	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	240-152946-C-31	Lab Sample ID:	240-152946-31	Worklist Smp#:	22
Client ID:	MSA-SW47A-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923161.d
Lims ID: 240-152946-C-31
Client ID: MSA-SW47A-071521
Sample Type: Client
Inject. Date: 23-Jul-2021 22:23:43 ALS Bottle#: 0 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111514-022
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Jul-2021 23:39:38 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: laveyt Date: 25-Jul-2021 09:14:13

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	18.5	92.40
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	19.1	95.41
$ 6 Toluene-d8 (Surr)	20.0	20.4	101.79
$ 7 4-Bromofluorobenzene (Surr)	20.0	21.0	104.98

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW48A-071521 Lab Sample ID: 240-152946-32

Matrix: Water Lab File ID: U1923162.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:30

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW48A-071521 Lab Sample ID: 240-152946-32

Matrix: Water Lab File ID: U1923162.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:30

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW48A-071521 Lab Sample ID: 240-152946-32

Matrix: Water Lab File ID: U1923162.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:30

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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)	105		47-134
1868-53-7	Dibromofluoromethane (Surr)	93		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		75-130
2037-26-5	Toluene-d8 (Surr)	102		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW48A-071521 Lab Sample ID: 240-152946-32

Matrix: Water Lab File ID: U1923162.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:30

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW48A-071521 Lab Sample ID: 240-152946-32

Matrix: Water Lab File ID: U1923162.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:30

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 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.: 496393 Units: ug/L

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

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923162.d
Lims ID: 240-152946-B-32
Client ID: MSA-SW48A-071521
Sample Type: Client
Inject. Date: 23-Jul-2021 22:45:54 ALS Bottle#: 0 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111514-023
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jul-2021 09:17:34 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: laveyt Date: 25-Jul-2021 09:14:27

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.938	5.938	0.000	99	621067	20.0	
*	2 Chlorobenzene-d5	117	8.463	8.464	-0.001	87	454337	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	96	227242	20.0	
$	4 Dibromofluoromethane (Surr)	111	5.404	5.416	-0.012	92	163724	18.6	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	-0.001	96	200818	19.2	
$	6 Toluene-d8 (Surr)	98	7.206	7.206	0.000	94	559148	20.4	
$	7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	89	212839	21.0	
	9 Dichlorodifluoromethane	85		2.072				ND	
	10 Chloromethane	50		2.297				ND	
	12 Vinyl chloride	62		2.427				ND	
	13 Bromomethane	94		2.783				ND	
	15 Chloroethane	64		2.878				ND	
	17 Trichlorofluoromethane	101		3.127				ND	
	20 1,1-Dichloroethene	61		3.590				ND	
	21 112TCTFE	101		3.601				ND	
	22 Acetone	43	3.613	3.613	0.000	97	3635	0.8774	
	25 Carbon disulfide	76		3.803				ND	7
	29 Methylene Chloride	49		4.005				ND	
	30 2-Methyl-2-propanol	59		4.064				ND	
	33 Methyl tert-butyl ether	73		4.218				ND	
	32 trans-1,2-Dichloroethene	61		4.230				ND	
	36 Vinyl acetate	43		4.562				ND	
	37 Isopropyl ether	87		4.586				ND	
	35 1,1-Dichloroethane	63		4.586				ND	
	39 Tert-butyl ethyl ether	59		4.870				ND	
	40 2-Butanone (MEK)	72		5.013				ND	
	41 cis-1,2-Dichloroethene	96		5.036				ND	
	42 2,2-Dichloropropane	77		5.048				ND	
	46 Chlorobromomethane	49		5.226				ND	
	48 Chloroform	83		5.285				ND	
	49 1,1,1-Trichloroethane	97		5.440				ND	
	51 1,1-Dichloropropene	75		5.558				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		5.570				ND	
54 Benzene	78		5.724				ND	
55 1,2-Dichloroethane	62		5.748				ND	
56 Tert-amyl methyl ether	73		5.783				ND	
59 Trichloroethene	130		6.222				ND	
62 1,2-Dichloropropane	63		6.436				ND	
64 Dibromomethane	174		6.507				ND	
66 Dichlorobromomethane	83		6.625				ND	
68 2-Chloroethyl vinyl ether	63		6.815				ND	
69 cis-1,3-Dichloropropene	75		6.969				ND	
70 4-Methyl-2-pentanone (MIBK)	43		7.076				ND	
71 Toluene	91		7.266				ND	
72 trans-1,3-Dichloropropene	75		7.432				ND	
75 Tetrachloroethene	166		7.705				ND	
76 1,3-Dichloropropane	76		7.752				ND	
77 2-Hexanone	43		7.764				ND	
79 Chlorodibromomethane	129		7.942				ND	
81 Ethylene Dibromide	107		8.060				ND	
83 Chlorobenzene	112		8.487				ND	
84 1,1,1,2-Tetrachloroethane	131		8.547				ND	
85 Ethylbenzene	106		8.547				ND	
86 m-Xylene & p-Xylene	106		8.665				ND	
87 o-Xylene	106		9.009				ND	
88 Styrene	104		9.021				ND	
89 Bromoform	173		9.211				ND	
90 Isopropylbenzene	105		9.341				ND	
93 1,1,2,2-Tetrachloroethane	83		9.602				ND	
95 Bromobenzene	156		9.661				ND	
96 1,2,3-Trichloropropane	110		9.673				ND	
98 N-Propylbenzene	120		9.721				ND	
100 2-Chlorotoluene	126		9.815				ND	
102 4-Chlorotoluene	126		9.934				ND	
103 tert-Butylbenzene	119		10.183				ND	
105 1,2,4-Trimethylbenzene	105		10.230				ND	
106 sec-Butylbenzene	105		10.385				ND	
108 4-Isopropyltoluene	119		10.515				ND	
107 1,3-Dichlorobenzene	146		10.515				ND	
109 1,4-Dichlorobenzene	146		10.610				ND	
110 1,2,3-Trimethylbenzene	105		10.622				ND	
112 n-Butylbenzene	91		10.906				ND	
113 1,2-Dichlorobenzene	146		10.954				ND	
114 1,2-Dibromo-3-Chloropropane	157		11.689				ND	
116 1,2,4-Trichlorobenzene	180		12.484				ND	
117 Hexachlorobutadiene	225		12.614				ND	
118 Naphthalene	128		12.756				ND	7
119 1,2,3-Trichlorobenzene	180		12.994				ND	
S 128 Xylenes, Total	106		16.620				ND	
T 131 Chlorodifluoromethane TIC	51		1.740				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00008	Amount Added:	2.00	Units: uL	Run Reagent

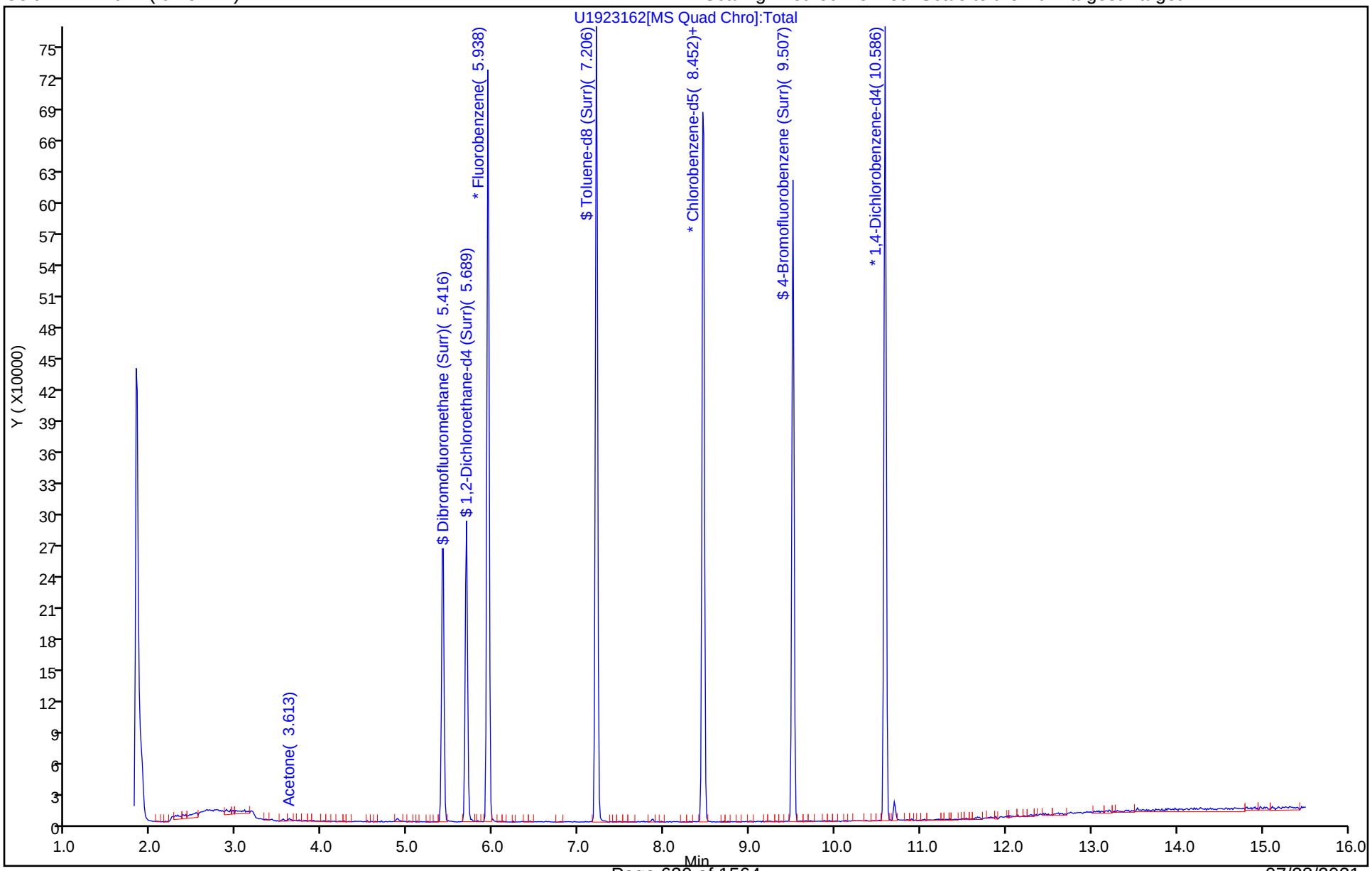
Report Date: 25-Jul-2021 09:40:03 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923162.d

Injection Date:	23-Jul-2021 22:45:54	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	240-152946-B-32	Lab Sample ID:	240-152946-32	Worklist Smp#:	23
Client ID:	MSA-SW48A-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923162.d
Lims ID: 240-152946-B-32
Client ID: MSA-SW48A-071521
Sample Type: Client
Inject. Date: 23-Jul-2021 22:45:54 ALS Bottle#: 0 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111514-023
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jul-2021 09:17:34 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: laveyt Date: 25-Jul-2021 09:14:27

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	18.6	93.01
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	19.2	96.17
$ 6 Toluene-d8 (Surr)	20.0	20.4	101.79
$ 7 4-Bromofluorobenzene (Surr)	20.0	21.0	105.09

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW49A-071521 Lab Sample ID: 240-152946-33

Matrix: Water Lab File ID: U1923163.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:15

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 23:08

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW49A-071521 Lab Sample ID: 240-152946-33

Matrix: Water Lab File ID: U1923163.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:15

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 23:08

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW49A-071521 Lab Sample ID: 240-152946-33

Matrix: Water Lab File ID: U1923163.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:15

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 23:08

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	93		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		75-130
2037-26-5	Toluene-d8 (Surr)	101		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW49A-071521 Lab Sample ID: 240-152946-33

Matrix: Water Lab File ID: U1923163.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:15

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 23:08

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW49A-071521 Lab Sample ID: 240-152946-33

Matrix: Water Lab File ID: U1923163.d

Analysis Method: 8260C Date Collected: 07/15/2021 08:15

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 23:08

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 Units: ug/L

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

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923163.d
Lims ID: 240-152946-C-33
Client ID: MSA-SW49A-071521
Sample Type: Client
Inject. Date: 23-Jul-2021 23:08:16 ALS Bottle#: 0 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111514-024
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jul-2021 09:17:34 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: laveyt Date: 25-Jul-2021 09:14:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	608542	20.0	
* 2 Chlorobenzene-d5	117	8.464	8.464	0.000	86	439815	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	96	215950	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.416	5.416	0.000	92	159847	18.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	96	196534	19.2	
$ 6 Toluene-d8 (Surr)	98	7.207	7.206	0.001	94	539353	20.3	
$ 7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	90	201332	20.5	
9 Dichlorodifluoromethane	85		2.072				ND	
10 Chloromethane	50		2.297				ND	
12 Vinyl chloride	62		2.427				ND	
13 Bromomethane	94		2.783				ND	
15 Chloroethane	64		2.878				ND	
17 Trichlorofluoromethane	101		3.127				ND	
20 1,1-Dichloroethene	61		3.590				ND	
21 112TCTFE	101		3.601				ND	
22 Acetone	43	3.613	3.613	0.000	96	5474	1.35	
25 Carbon disulfide	76		3.803				ND	7
29 Methylene Chloride	49		4.005				ND	
30 2-Methyl-2-propanol	59		4.064				ND	U
33 Methyl tert-butyl ether	73		4.218				ND	
32 trans-1,2-Dichloroethene	61		4.230				ND	
36 Vinyl acetate	43		4.562				ND	
37 Isopropyl ether	87		4.586				ND	
35 1,1-Dichloroethane	63		4.586				ND	
39 Tert-butyl ethyl ether	59		4.870				ND	
40 2-Butanone (MEK)	72		5.013				ND	
41 cis-1,2-Dichloroethene	96		5.036				ND	
42 2,2-Dichloropropane	77		5.048				ND	
46 Chlorobromomethane	49		5.226				ND	
48 Chloroform	83		5.285				ND	
49 1,1,1-Trichloroethane	97		5.440				ND	
51 1,1-Dichloropropene	75		5.558				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
52 Carbon tetrachloride	117		5.570				ND	
54 Benzene	78		5.724				ND	
55 1,2-Dichloroethane	62		5.748				ND	
56 Tert-amyl methyl ether	73		5.783				ND	
59 Trichloroethene	130		6.222				ND	
62 1,2-Dichloropropane	63		6.436				ND	
64 Dibromomethane	174		6.507				ND	
66 Dichlorobromomethane	83		6.625				ND	
68 2-Chloroethyl vinyl ether	63		6.815				ND	
69 cis-1,3-Dichloropropene	75		6.969				ND	
70 4-Methyl-2-pentanone (MIBK)	43		7.076				ND	
71 Toluene	91		7.266				ND	7
72 trans-1,3-Dichloropropene	75		7.432				ND	
75 Tetrachloroethene	166		7.705				ND	
76 1,3-Dichloropropane	76		7.752				ND	
77 2-Hexanone	43		7.764				ND	U
79 Chlorodibromomethane	129		7.942				ND	
81 Ethylene Dibromide	107		8.060				ND	
83 Chlorobenzene	112		8.487				ND	
84 1,1,1,2-Tetrachloroethane	131		8.547				ND	
85 Ethylbenzene	106		8.547				ND	
86 m-Xylene & p-Xylene	106		8.665				ND	
87 o-Xylene	106		9.009				ND	
88 Styrene	104		9.021				ND	
89 Bromoform	173		9.211				ND	
90 Isopropylbenzene	105		9.341				ND	
93 1,1,2,2-Tetrachloroethane	83		9.602				ND	
95 Bromobenzene	156		9.661				ND	
96 1,2,3-Trichloropropane	110		9.673				ND	
98 N-Propylbenzene	120		9.721				ND	
100 2-Chlorotoluene	126		9.815				ND	
102 4-Chlorotoluene	126		9.934				ND	
103 tert-Butylbenzene	119		10.183				ND	
105 1,2,4-Trimethylbenzene	105		10.230				ND	
106 sec-Butylbenzene	105		10.385				ND	
108 4-Isopropyltoluene	119		10.515				ND	
107 1,3-Dichlorobenzene	146		10.515				ND	
109 1,4-Dichlorobenzene	146		10.610				ND	
110 1,2,3-Trimethylbenzene	105		10.622				ND	
112 n-Butylbenzene	91		10.906				ND	
113 1,2-Dichlorobenzene	146		10.954				ND	
114 1,2-Dibromo-3-Chloropropane	157		11.689				ND	
116 1,2,4-Trichlorobenzene	180		12.484				ND	
117 Hexachlorobutadiene	225		12.614				ND	
118 Naphthalene	128		12.756				ND	7
119 1,2,3-Trichlorobenzene	180		12.994				ND	
S 128 Xylenes, Total	106		16.620				ND	
T 131 Chlorodifluoromethane TIC	51		1.740				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00008	Amount Added:	2.00	Units: uL	Run Reagent

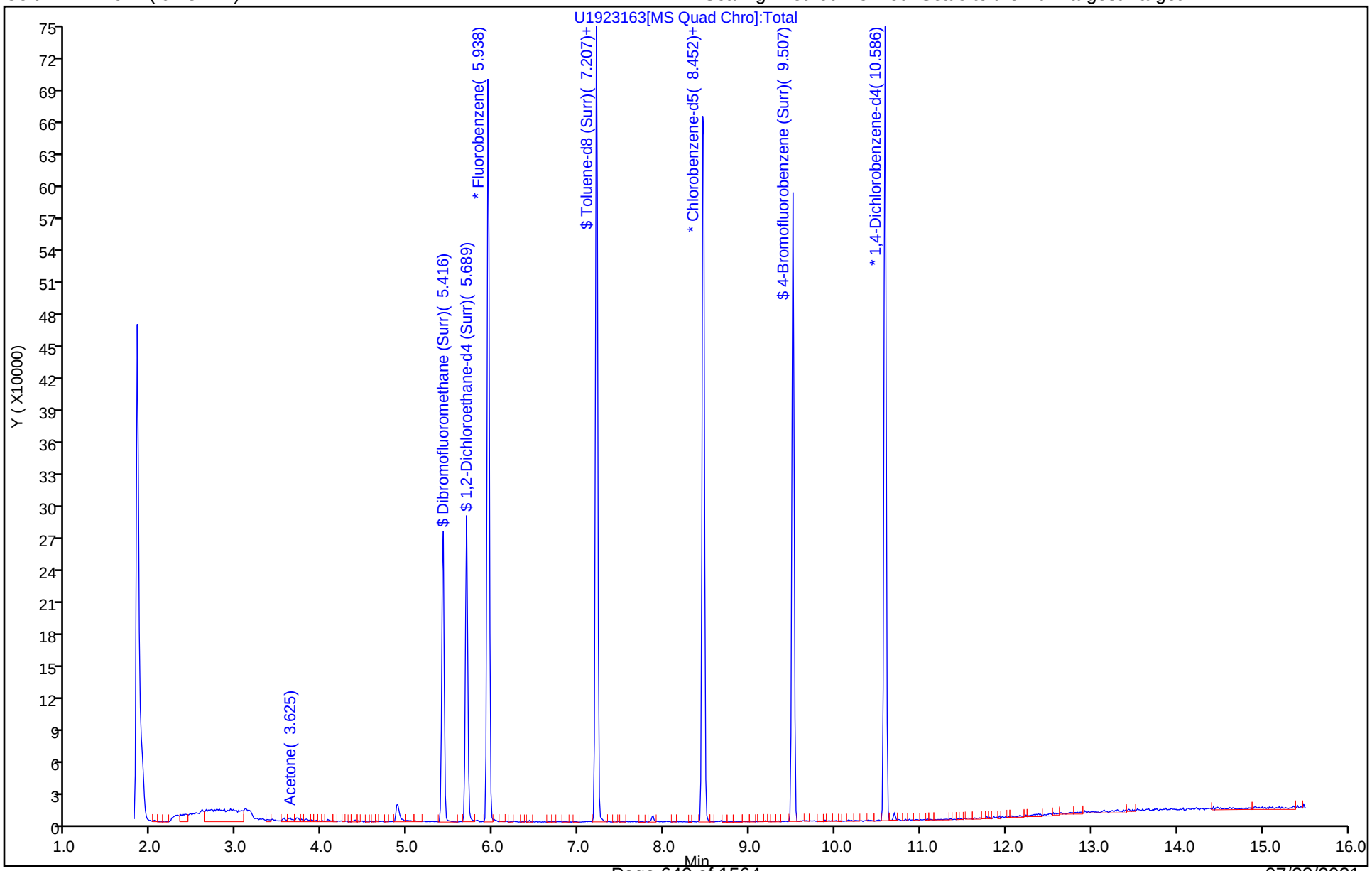
Report Date: 25-Jul-2021 09:40:10 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923163.d

Injection Date:	23-Jul-2021 23:08:16	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	240-152946-C-33	Lab Sample ID:	240-152946-33	Worklist Smp#:	24
Client ID:	MSA-SW49A-071521				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923163.d
Lims ID: 240-152946-C-33
Client ID: MSA-SW49A-071521
Sample Type: Client
Inject. Date: 23-Jul-2021 23:08:16 ALS Bottle#: 0 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111514-024
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 25-Jul-2021 09:17:34 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: laveyt Date: 25-Jul-2021 09:14:49

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	18.5	92.68
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	19.2	96.05
$ 6 Toluene-d8 (Surr)	20.0	20.3	101.42
$ 7 4-Bromofluorobenzene (Surr)	20.0	20.5	102.69

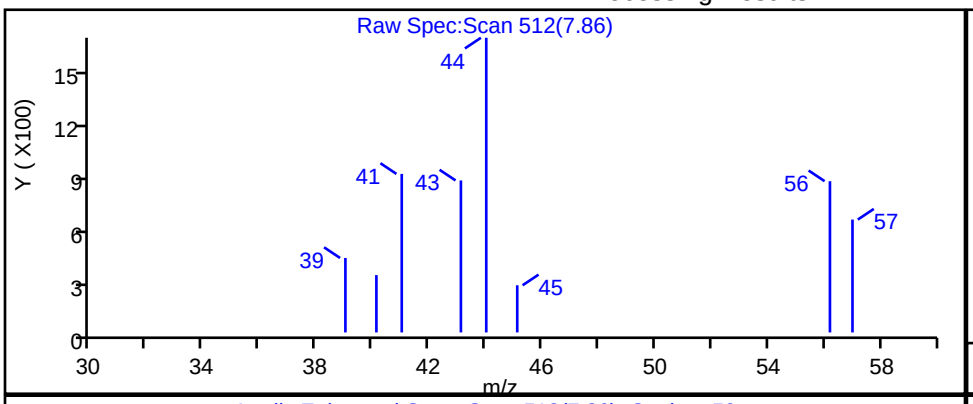
User Disabled Compound Report

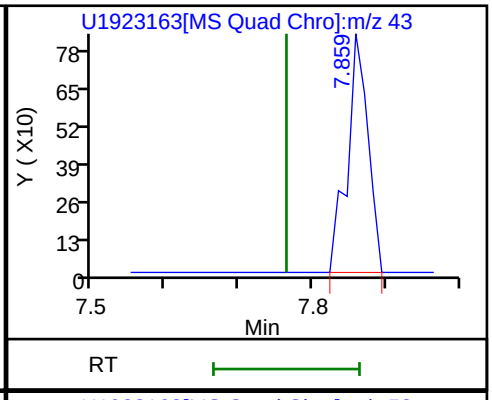
Eurofins TestAmerica, Canton

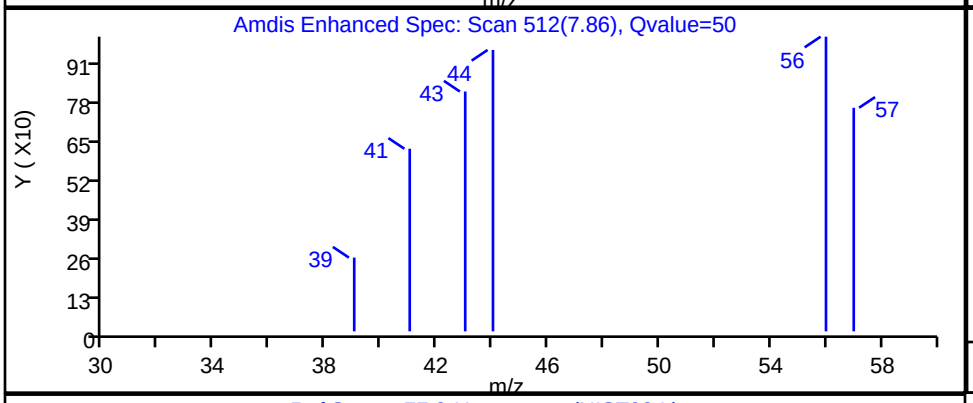
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Injection Date:	23-Jul-2021 23:08:16	Instrument ID:	A3UX19		
Lims ID:	240-152946-C-33	Lab Sample ID:	240-152946-33		
Client ID:	MSA-SW49A-071521				
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

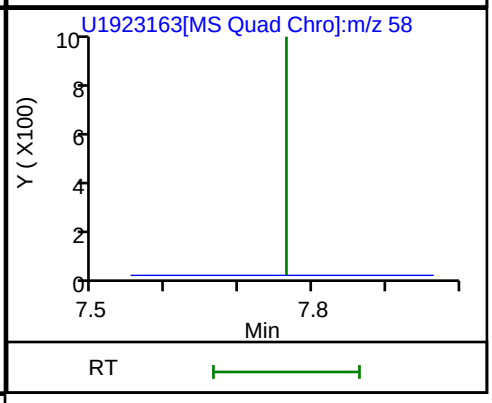
77 2-Hexanone, CAS: 591-78-6

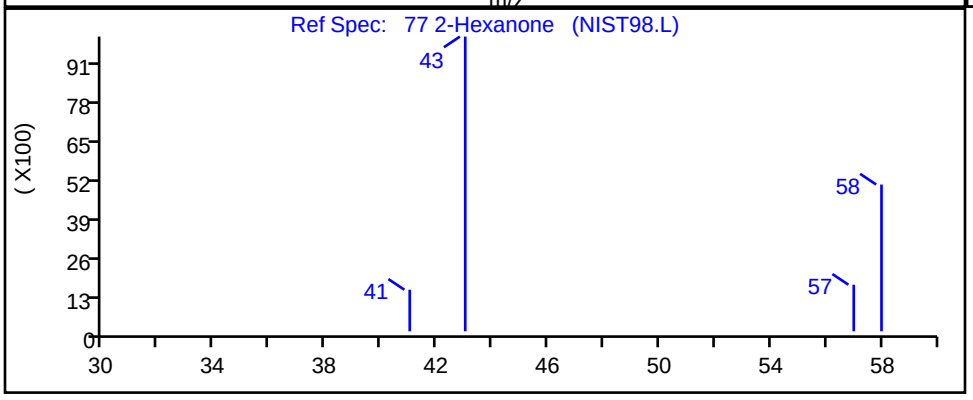
Processing Results











RT	Mass	Response	Amount
7.86	43.00	1634	0.178079
7.76	58.00	0	

Reviewer: laveyt, 25-Jul-2021 09:14:43

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

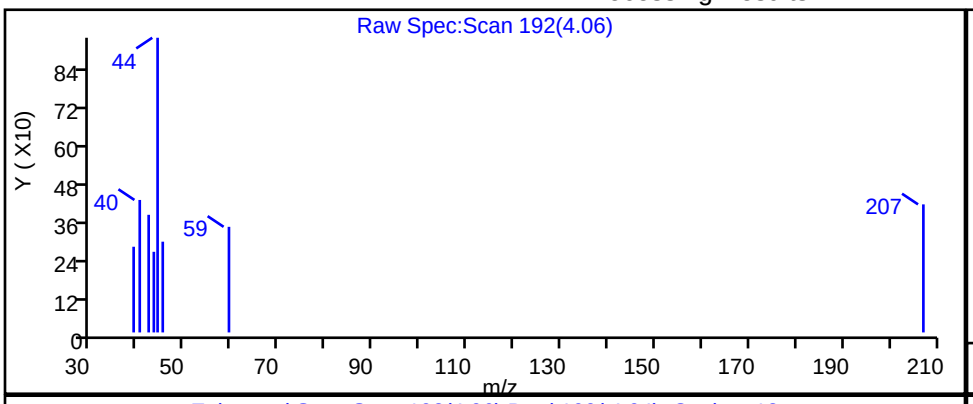
User Disabled Compound Report

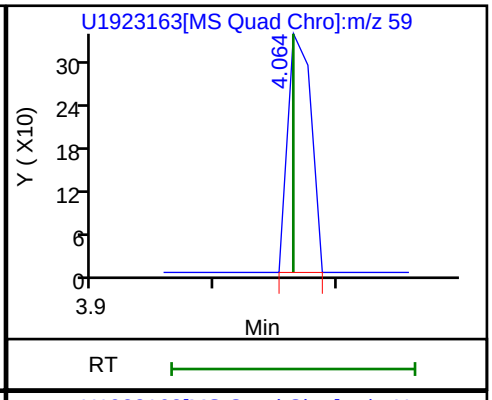
Eurofins TestAmerica, Canton

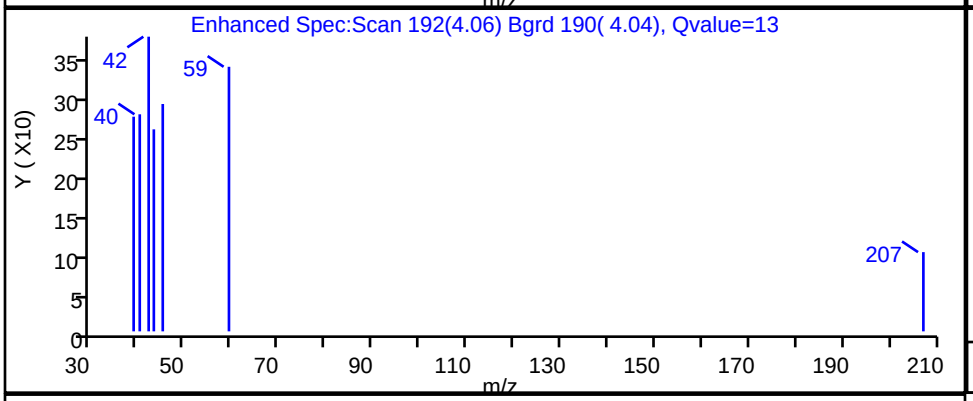
Data File:	\\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923163.d				
Injection Date:	23-Jul-2021 23:08:16	Instrument ID:	A3UX19		
Lims ID:	240-152946-C-33	Lab Sample ID:	240-152946-33		
Client ID:	MSA-SW49A-071521				
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

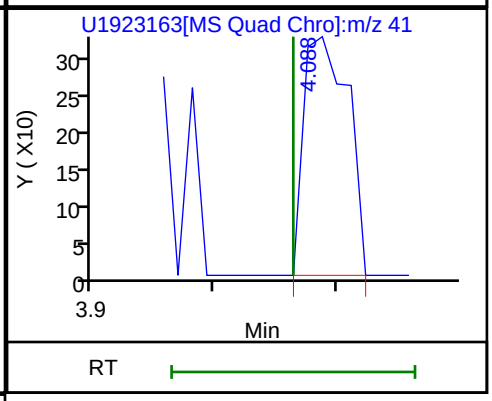
30 2-Methyl-2-propanol, CAS: 75-65-0

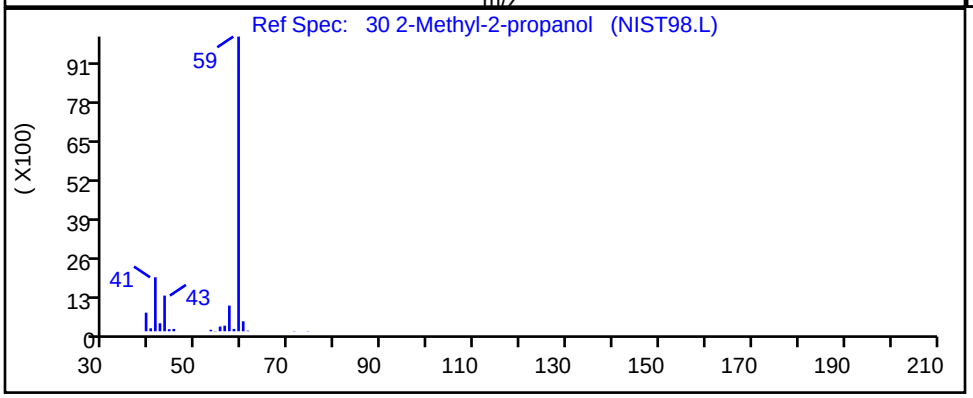
Processing Results











RT	Mass	Response	Amount
4.06	59.00	444	0.265981
4.09	41.00	817	

Reviewer: laveyt, 25-Jul-2021 09:14:36

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

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 12:04 Calibration End Date: 04/23/2021 14:53 Calibration ID: 61157

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-482539/16	UXM36566.D
Level 2	STD8260 240-482539/15	UXM36565.D
Level 3	STD8260 240-482539/14	UXM36564.D
Level 4	STD8260 240-482539/13	UXM36563.D
Level 5	ICIS 240-482539/12	UXM36562.D
Level 6	STD8260 240-482539/11	UXM36561.D
Level 7	STD8260 240-482539/10	UXM36560.D
Level 8	STD8260 240-482539/9	UXM36559.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	0.4112 0.3130	0.4098 0.3278	0.3873 0.3078	0.3617	0.3586	Ave		0.3597			0.1000	11.4		20.0			
Chloromethane	+++++ 0.3273	0.4460 0.3163	0.4080 +++++	0.3736	0.3555	Ave		0.3711			0.1000	13.3		20.0			
Vinyl chloride	0.4141 0.3358	0.3988 0.3285	0.4090 0.3163	0.3805	0.3633	Ave		0.3683			0.1000	10.4		20.0			
Butadiene	0.4479 0.3103	0.4146 0.3094	0.3841 0.3012	0.3523	0.3419	Ave		0.3577				15.0		20.0			
Bromomethane	0.3445 +++++	0.3259 +++++	0.2408 +++++	0.2170	0.1995	Lin1	0.0941	0.2025			0.0500	16.8			0.9960		0.9900
Chloroethane	0.2037 0.2002	0.2257 0.1981	0.2163 0.1902	0.2109	0.2082	Ave		0.2067			0.0500	5.4		20.0			
Dichlorofluoromethane	0.5338 0.4335	0.5310 0.4218	0.5037 0.3981	0.4716	0.4631	Ave		0.4696				10.7		20.0			
Trichlorofluoromethane	0.3957 0.3750	0.4243 0.3815	0.4356 0.3611	0.4158	0.4125	Ave		0.4002			0.1000	6.5		20.0			
Ethyl ether	0.1680 0.1816	0.1727 0.1739	0.1920 0.1676	0.1890	0.1833	Ave		0.1785				5.2		20.0			
Acrolein	0.0111 0.0106	0.0117 0.0101	0.0118 0.0103	0.0114	0.0105	Ave		0.0109				6.0		20.0			
1,1-Dichloroethene	0.2622 0.2097	0.2239 0.2015	0.2492 0.1895	0.2248	0.2166	Ave		0.2222			0.1000	10.8		20.0			
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.1731 0.1782	0.1708 0.1661	0.2003 0.1560	0.1827	0.1573	Ave		0.1731			0.0500	8.3		20.0			
Acetone	+++++ 0.0191	0.0375 0.0174	0.0232 0.0178	0.0208	0.0197	Lin1	0.0445	0.0178			0.0100	7.9			0.9980		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.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 12:04 Calibration End Date: 04/23/2021 14:53 Calibration ID: 61157

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	+++++ 0.2867	0.3440 0.2800	0.3099 0.2468	0.2954	0.3014	Ave		0.2949				10.1		20.0			
Carbon disulfide	0.7923 0.6792	0.8088 0.6522	0.8125 0.6150	0.7439	0.7185	Ave		0.7278			0.1000	10.3		20.0			
Methyl acetate	+++++ 0.1632	0.1801 0.1543	0.1729 0.1603	0.1697	0.1592	Ave		0.1657			0.1000	5.4		20.0			
3-Chloro-1-propene	+++++ 0.3623	0.4503 0.3538	0.4352 0.3354	0.3931	0.3845	Ave		0.3878				10.9		20.0			
Methylene Chloride	0.3237 0.2408	0.2862 0.2319	0.2878 0.2210	0.2622	0.2528	Ave		0.2633			0.1000	13.0		20.0			
tert-Butyl alcohol	0.0197 0.0230	0.0225 0.0205	0.0228 0.0223	0.0235	0.0213	Ave		0.0219				6.0		20.0			
Acrylonitrile	0.0946 0.0895	0.0948 0.0841	0.0950 0.0863	0.0944	0.0881	Ave		0.0908				4.8		20.0			
Methyl tert-butyl ether	0.4972 0.6632	0.5237 0.6387	0.6572 0.6561	0.6561	0.6358	Ave		0.6160			0.1000	10.7		20.0			
trans-1,2-Dichloroethene	0.2984 0.2518	0.2730 0.2453	0.2966 0.2380	0.2677	0.2605	Ave		0.2664			0.1000	8.4		20.0			
Hexane	0.3567 0.3790	0.3477 0.3565	0.3649 0.3563	0.3511	0.2974	Ave		0.3512				6.8		20.0			
Vinyl acetate	+++++ 0.3077	0.1577 0.3081	0.2417 0.3105	0.2776	0.2906	Lin1	-0.197	0.3100				8.0			0.9990		0.9900
1,1-Dichloroethane	0.5315 0.4353	0.5168 0.4183	0.5194 0.4056	0.4667	0.4564	Ave		0.4687			0.2000	10.4		20.0			
2-Butanone	+++++ 0.0265	0.0161 0.0248	0.0226 0.0265	0.0240	0.0243	Ave		0.0236			0.0100	15.1		20.0			
2,2-Dichloropropane	0.4216 0.4006	0.4175 0.3893	0.4454 0.3790	0.4225	0.4124	Ave		0.4110				5.1		20.0			
cis-1,2-Dichloroethene	0.3408 0.2761	0.3344 0.2656	0.3138 0.2533	0.2951	0.2871	Ave		0.2958			0.1000	10.7		20.0			
Bromochloromethane	0.1408 0.1212	0.1523 0.1157	0.1414 0.1115	0.1332	0.1286	Ave		0.1306				10.7		20.0			
Tetrahydrofuran	0.0731 0.0637	0.0785 0.0598	0.0691 0.0637	0.0694	0.0606	Ave		0.0672				9.7		20.0			
Chloroform	0.5152 0.4185	0.5271 0.4042	0.5029 0.3892	0.4597	0.4414	Ave		0.4573			0.2000	11.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 12:04 Calibration End Date: 04/23/2021 14:53 Calibration ID: 61157

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	0.4334 0.3702	0.4165 0.3593	0.4324 0.3523	0.3989	0.3902	Ave		0.3941			0.1000	8.1		20.0			
Cyclohexane	0.4467 0.4416	0.4262 0.4172	0.4964 0.4058	0.4533	0.3959	Ave		0.4354			0.1000	7.3		20.0			
1,1-Dichloropropene	0.3039 0.3577	0.3055 0.3455	0.3655 0.3352	0.3556	0.3506	Ave		0.3399				6.9		20.0			
Carbon tetrachloride	0.3040 0.3227	0.3180 0.3134	0.3581 0.3023	0.3408	0.3284	Ave		0.3235			0.1000	5.8		20.0			
Isobutyl alcohol	+++++ 0.0067	0.0099 0.0061	0.0066 0.0067	0.0066	0.0060	Ave		0.0069				19.4		20.0			
Benzene	1.0138 1.0143	0.9891 0.9833	1.0795 0.9599	1.0303	1.0136	Ave		1.0105			0.5000	3.5		20.0			
1,2-Dichloroethane	0.3188 0.3283	0.3464 0.3157	0.3804 0.3109	0.3526	0.3382	Ave		0.3364			0.1000	6.9		20.0			
n-Heptane	+++++ 0.2144	0.8802 0.1936	0.3377 0.1887	0.2567	0.1924	Lin1	0.7042	0.1821				8.2			0.9960		0.9900
Trichloroethene	0.2467 0.2681	0.2495 0.2590	0.2847 0.2518	0.2743	0.2662	Ave		0.2625			0.1500	5.0		20.0			
Methylcyclohexane	0.4194 0.4783	0.4077 0.4531	0.4789 0.4475	0.4632	0.4019	Ave		0.4438			0.1000	6.9		20.0			
1,2-Dichloropropane	0.2237 0.2434	0.2318 0.2348	0.2548 0.2283	0.2454	0.2434	Ave		0.2382			0.1000	4.3		20.0			
1,4-Dioxane	+++++ 0.0031	0.0023 0.0028	0.0031 0.0029	0.0031	0.0029	Ave		0.0029				9.4		20.0			
Dibromomethane	0.1614 0.1384	0.1598 0.1317	0.1562 0.1296	0.1490	0.1437	Ave		0.1462				8.5		20.0			
Bromodichloromethane	0.3758 0.3237	0.3512 0.3126	0.3745 0.3073	0.3429	0.3313	Ave		0.3399			0.1500	7.7		20.0			
2-Chloroethyl vinyl ether	0.1180 0.1496	0.1065 0.1426	0.1438 0.1479	0.1446	0.1400	Ave		0.1366				11.5		20.0			
cis-1,3-Dichloropropene	0.3618 0.4104	0.3529 0.3979	0.4107 0.3934	0.4075	0.4047	Ave		0.3924			0.1500	5.7		20.0			
4-Methyl-2-pentanone	+++++ 0.1860	0.1655 0.1700	0.1890 0.1827	0.1882	0.1768	Ave		0.1797			0.0500	5.1		20.0			
Toluene	1.4384 1.4584	1.3761 1.4324	1.5186 1.3889	1.4376	1.4080	Ave		1.4323			0.4000	3.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 12:04 Calibration End Date: 04/23/2021 14:53 Calibration ID: 61157

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	0.3410 0.5093	0.3762 0.4973	0.4572 0.4913	0.4625	0.4622	Ave		0.4496			0.1000	13.3		20.0			
Ethyl methacrylate	0.3564 0.3588	0.3784 0.3356	0.3546 0.3399	0.3651	0.3464	Ave		0.3544				3.9		20.0			
1,1,2-Trichloroethane	0.2217 0.2680	0.2028 0.2587	0.2516 0.2579	0.2484	0.2462	Ave		0.2444			0.1000	8.8		20.0			
Tetrachloroethene	0.2286 0.2840	0.2530 0.2757	0.2811 0.2645	0.2751	0.2667	Ave		0.2661			0.1500	6.8		20.0			
1,3-Dichloropropane	0.3755 0.4907	0.3705 0.4783	0.4560 0.4708	0.4679	0.4616	Ave		0.4464				10.4		20.0			
2-Hexanone	+++++ 0.1716	0.1535 0.1564	0.1788 0.1660	0.1721	0.1582	Ave		0.1652			0.0500	5.7		20.0			
Dibromochloromethane	0.2431 0.3068	0.2560 0.2999	0.2852 0.2986	0.2830	0.2849	Ave		0.2822				7.8		20.0			
1,2-Dibromoethane	0.1782 0.2743	0.2011 0.2679	0.2495 0.2656	0.2585	0.2525	Ave		0.2435				14.3		20.0			
Chlorobenzene	0.9034 0.9204	0.9209 0.9020	0.9749 0.8685	0.9284	0.8913	Ave		0.9137			0.3000	3.4		20.0			
1,1,1,2-Tetrachloroethane	0.2314 0.3137	0.2422 0.3102	0.2918 0.3048	0.2887	0.2899	Ave		0.2841				10.8		20.0			
Ethylbenzene	0.5240 0.5206	0.4978 0.5124	0.5528 0.4983	0.5190	0.5162	Ave		0.5176				3.3		20.0			
m-Xylene & p-Xylene	0.6764 0.6537	0.6360 0.6396	0.6980 0.6234	0.6640	0.6437	Ave		0.6543				3.7		20.0			
o-Xylene	0.6026 0.6226	0.6180 0.6057	0.6630 0.5885	0.6293	0.6042	Ave		0.6167				3.7		20.0			
Styrene	0.9103 0.9623	0.9223 0.9458	0.9822 0.9246	0.9555	0.9434	Ave		0.9433			0.3000	2.5		20.0			
Bromoform	0.1283 0.1966	0.1431 0.1896	0.1723 0.1955	0.1758	0.1773	Ave		0.1723			0.1000	14.3		20.0			
Isopropylbenzene	1.5279 1.6461	1.5516 1.6316	1.7440 1.5888	1.6379	1.6229	Ave		1.6188			0.1000	4.1		20.0			
1,1,2,2-Tetrachloroethane	0.5223 0.5938	0.4677 0.5730	0.5675 0.5752	0.5696	0.5600	Ave		0.5537			0.3000	7.3		20.0			
Bromobenzene	0.6346 0.6816	0.6126 0.6664	0.7208 0.6308	0.6853	0.6704	Ave		0.6628				5.3		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.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 12:04 Calibration End Date: 04/23/2021 14:53 Calibration ID: 61157

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-1,4-Dichloro-2-butene	0.1807 0.2032	0.1588 0.1912	0.1954 0.1959	0.1948	0.1824	Ave		0.1878				7.4		20.0			
1,2,3-Trichloropropane	0.1616 0.1998	0.1444 0.1911	0.1839 0.1946	0.1926	0.1791	Ave		0.1809				10.4		20.0			
n-Propylbenzene	0.7992 0.8751	0.8222 0.8631	0.9060 0.8212	0.8706	0.8397	Ave		0.8496				4.1		20.0			
2-Chlorotoluene	0.6263 0.7088	0.6755 0.6961	0.7526 0.6548	0.7132	0.6800	Ave		0.6884				5.6		20.0			
1,3,5-Trimethylbenzene	2.4368 2.5807	2.4124 2.5461	2.7937 2.4201	2.6234	2.5171	Ave		2.5413				5.0		20.0			
4-Chlorotoluene	0.6506 0.7327	0.6949 0.7248	0.7803 0.6886	0.7426	0.7285	Ave		0.7179				5.5		20.0			
tert-Butylbenzene	2.1271 2.2282	2.1107 2.2050	2.3454 2.0861	2.2422	2.1771	Ave		2.1902				3.8		20.0			
1,2,4-Trimethylbenzene	2.5009 2.5951	2.5018 2.5722	2.7467 2.4448	2.6482	2.5646	Ave		2.5718				3.7		20.0			
sec-Butylbenzene	3.1426 3.3544	3.1765 3.3262	3.5070 3.1464	3.3560	3.2636	Ave		3.2841				3.9		20.0			
1,3-Dichlorobenzene	1.2597 1.3328	1.3318 1.3143	1.4508 1.2621	1.3550	1.3091	Ave		1.3269			0.6000	4.5		20.0			
p-Isopropyltoluene	2.5308 2.8818	2.6745 2.8327	3.0274 2.6968	2.9204	2.8234	Ave		2.7985				5.6		20.0			
1,4-Dichlorobenzene	1.2917 1.3455	1.3054 1.3214	1.4251 1.2651	1.3774	1.3186	Ave		1.3313			0.5000	3.8		20.0			
n-Butylbenzene	2.3069 2.6060	2.3731 2.5996	2.7246 2.4669	2.6242	2.5279	Ave		2.5286				5.5		20.0			
1,2-Dichlorobenzene	1.2125 1.2314	1.2107 1.2017	1.3196 1.1530	1.2819	1.2190	Ave		1.2287			0.4000	4.2		20.0			
1,2-Dibromo-3-Chloropropane	0.0883 0.1432	0.1234 0.1350	0.1379 0.1359	0.1441	0.1351	Ave		0.1304			0.0500	13.9		20.0			
1,2,4-Trichlorobenzene	0.6738 0.7380	0.6878 0.7178	0.7556 0.6826	0.7381	0.7157	Ave		0.7137			0.2000	4.2		20.0			
Hexachlorobutadiene	0.3052 0.3358	0.3022 0.3249	0.3465 0.3029	0.3358	0.3183	Ave		0.3214				5.3		20.0			
Naphthalene	1.6520 1.9087	1.6571 1.8317	1.9080 1.7899	1.9392	1.8194	Ave		1.8133				6.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 12:04 Calibration End Date: 04/23/2021 14:53 Calibration ID: 61157

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	0.5718 0.6253	0.6005 0.6031	0.6273 0.5759	0.6378	0.6018	Ave		0.6054				3.9		20.0			
Dibromofluoromethane (Surr)	0.2619 0.2248	0.2679 0.2194	0.2652 0.2130	0.2459	0.2438	Ave		0.2427				8.9		20.0			
1,2-Dichloroethane-d4 (Surr)	0.3035 0.2715	0.2954 0.2650	0.3152 0.2619	0.2934	0.2867	Ave		0.2866				6.6		20.0			
Toluene-d8 (Surr)	1.1380 1.2442	1.1375 1.2351	1.3082 1.2121	1.2379	1.2413	Ave		1.2193				4.7		20.0			
4-Bromofluorobenzene (Surr)	0.4602 0.4636	0.4828 0.4566	0.5048 0.4547	0.4619	0.4665	Ave		0.4689				3.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 12:04 Calibration End Date: 04/23/2021 14:53 Calibration ID: 61157

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-482539/16	UXM36566.D
Level 2	STD8260 240-482539/15	UXM36565.D
Level 3	STD8260 240-482539/14	UXM36564.D
Level 4	STD8260 240-482539/13	UXM36563.D
Level 5	ICIS 240-482539/12	UXM36562.D
Level 6	STD8260 240-482539/11	UXM36561.D
Level 7	STD8260 240-482539/10	UXM36560.D
Level 8	STD8260 240-482539/9	UXM36559.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	11341 986295	23218 1568333	124485 1923007	254644	521337	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Chloromethane	FB	Ave	+++++ 1031351	25267 1513352	131139 +++++	263016	516784	+++++ 40.0	1.00 60.0	5.00 +++++	10.0	20.0
Vinyl chloride	FB	Ave	11420 1057956	22592 1571479	131472 1976569	267847	528137	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Butadiene	FB	Ave	12352 977604	23486 1480342	123470 1881802	248030	497027	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Bromomethane	FB	Lin1	9501 +++++	18466 +++++	77394 +++++	152735	290069	0.500 +++++	1.00 +++++	5.00 +++++	10.0	20.0
Chloroethane	FB	Ave	5618 630668	12787 947711	69524 1188246	148494	302707	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Dichlorofluoromethane	FB	Ave	14721 1365825	30081 2018120	161927 2487529	332011	673250	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Trichlorofluoromethane	FB	Ave	10912 1181544	24040 1825144	140019 2256344	292728	599691	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Ethyl ether	FB	Ave	4633 572153	9785 832192	61706 1047306	133043	266538	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Acrolein	FB	Ave	1531 166897	3319 242629	19008 320406	40042	76326	2.50 200	5.00 300	25.0 400	50.0	100
1,1-Dichloroethene	FB	Ave	7231 660895	12685 964125	80095 1184360	158281	314864	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	FB	Ave	4774 561558	9678 794862	64382 975025	128614	228650	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Acetone	FB	Lin1	+++++	4247	14891	29262	57286	+++++	2.00	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.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 12:04 Calibration End Date: 04/23/2021 14:53 Calibration ID: 61157

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
			120532	166617	222567			80.0	120	160		
Iodomethane	FB	Ave	+++++ 903532	19491 1339685	99622 1542405	207946	438172	+++++ 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Carbon disulfide	FB	Ave	21850 2140127	45821 3120201	261190 3842562	523663	1044507	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Methyl acetate	FB	Ave	+++++ 1028384	20407 1476682	111187 2003502	238923	462809	+++++ 80.0	2.00 120	10.0 160	20.0	40.0
3-Chloro-1-propene	FB	Ave	+++++ 1141607	25509 1692772	139897 2095485	276742	558975	+++++ 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Methylene Chloride	FB	Ave	8927 758873	16215 1109654	92507 1381172	184603	367525	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
tert-Butyl alcohol	FB	Ave	5433 723769	12719 982049	73438 1396265	165085	309438	5.00 400	10.0 600	50.0 800	100	200
Acrylonitrile	FB	Ave	26080 2820675	53687 4021522	305445 5391486	664489	1280837	5.00 400	10.0 600	50.0 800	100	200
Methyl tert-butyl ether	FB	Ave	13713 2089784	29667 3055508	211246 4099659	461885	924323	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
trans-1,2-Dichloroethene	FB	Ave	8230 793418	15467 1173698	95348 1487254	188448	378740	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Hexane	FB	Ave	9837 1194103	19699 1705650	117310 2226303	247142	432385	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Vinyl acetate	FB	Lin1	+++++ 969527	8934 1473979	77689 1940326	195424	422523	+++++ 40.0	1.00 60.0	5.00 80.0	10.0	20.0
1,1-Dichloroethane	FB	Ave	14658 1371481	29277 2000964	166953 2534657	328532	663468	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
2-Butanone	FB	Ave	+++++ 167113	1825 237568	14532 330770	33818	70697	+++++ 80.0	2.00 120	10.0 160	20.0	40.0
2,2-Dichloropropane	FB	Ave	11626 1262244	23655 1862453	143169 2367980	297447	599623	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
cis-1,2-Dichloroethene	FB	Ave	9400 869864	18944 1270837	100880 1582529	207739	417324	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Bromochloromethane	FB	Ave	3884 381984	8629 553423	45439 696665	93795	186898	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Tetrahydrofuran	FB	Ave	4033 401653	8899 572186	44420 796162	97770	176066	1.00 80.0	2.00 120	10.0 160	20.0	40.0
Chloroform	FB	Ave	14209	29860	161649	323587	641693	0.500	1.00	5.00	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.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 12:04 Calibration End Date: 04/23/2021 14:53 Calibration ID: 61157

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
			1318579	1933612	2432009			40.0	60.0	80.0		
1,1,1-Trichloroethane	FB	Ave	11951 1166383	23594 1718787	139010 2201508	280774	567341	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Cyclohexane	FB	Ave	12320 1391366	24144 1995738	159570 2535839	319119	575608	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
1,1-Dichloropropene	FB	Ave	8382 1127144	17307 1652962	117502 2094409	250312	509778	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Carbon tetrachloride	FB	Ave	8385 1016878	18014 1499291	115116 1888726	239938	477414	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Isobutyl alcohol	FB	Ave	+++++ 530198	14075 727267	53023 1043686	115884	218878	+++++ 1000	25.0 1500	125 2000	250	500
Benzene	FB	Ave	27960 3196092	56037 4704418	347008 5997719	725305	1473638	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
1,2-Dichloroethane	FB	Ave	8791 1034413	19627 1510298	122297 1942606	248188	491692	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
n-Heptane	FB	Lin1	+++++ 675481	49864 926191	108563 1178879	180723	279763	+++++ 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Trichloroethene	FB	Ave	6804 844884	14137 1238968	91508 1573112	193060	387000	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Methylcyclohexane	FB	Ave	11565 1507102	23099 2167660	153952 2796103	326060	584351	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
1,2-Dichloropropane	FB	Ave	6169 766906	13133 1123332	81893 1426764	172735	353789	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
1,4-Dioxane	FB	Ave	+++++ 194270	2633 265006	19790 362849	43100	84760	+++++ 800	20.0 1200	100 1600	200	400
Dibromomethane	FB	Ave	4450 435944	9051 630065	50215 809597	104904	208931	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Bromodichloromethane	FB	Ave	10363 1020084	19896 1495430	120385 1919875	241373	481632	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
2-Chloroethyl vinyl ether	FB	Ave	6507 942860	12064 1364196	92465 1848816	203564	407001	1.00 80.0	2.00 120	10.0 160	20.0	40.0
cis-1,3-Dichloropropene	FB	Ave	9979 1293185	19993 1903637	132008 2458040	286830	588401	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
4-Methyl-2-pentanone	FB	Ave	+++++ 1171893	18753 1626995	121526 2283285	264982	513998	+++++ 80.0	2.00 120	10.0 160	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.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 12:04 Calibration End Date: 04/23/2021 14:53 Calibration ID: 61157

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	34328 3419906	66231 5058475	393678 6528007	800365	1602590	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	8138 1194300	18104 1756332	118531 2309153	257488	526075	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Ethyl methacrylate	CBNZ d5	Ave	8505 841290	18212 1185302	91928 1597367	203244	394251	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
1,1,2-Trichloroethane	CBNZ d5	Ave	5292 628571	9762 913602	65237 1212190	138281	280265	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Tetrachloroethene	CBNZ d5	Ave	5456 665975	12179 973646	72881 1243255	153170	303515	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
1,3-Dichloropropane	CBNZ d5	Ave	8962 1150782	17833 1689142	118210 2212777	260529	525336	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
2-Hexanone	CBNZ d5	Ave	+++++ 804845	14773 1105003	92697 1560121	191609	360081	+++++ 80.0	2.00 120	10.0 160	20.0	40.0
Dibromochloromethane	CBNZ d5	Ave	5802 719406	12319 1059270	73945 1403543	157565	324212	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
1,2-Dibromoethane	CBNZ d5	Ave	4254 643259	9680 946241	64671 1248523	143933	287346	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Chlorobenzene	CBNZ d5	Ave	21561 2158356	44323 3185422	252747 4081967	516913	1014472	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	5522 735555	11657 1095325	75635 1432776	160763	329931	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Ethylbenzene	CBNZ d5	Ave	12506 1220792	23957 1809445	143301 2342069	288952	587535	0.500 40.0	1.00 60.0	5.00 80.0	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.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 12:04 Calibration End Date: 04/23/2021 14:53 Calibration ID: 61157

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	16143	30608	180961	369677	732693	0.500	1.00	5.00	10.0	20.0
			1532809	2258639	2930155			40.0	60.0	80.0		
o-Xylene	CBNZ d5	Ave	14382	29743	171869	350387	687726	0.500	1.00	5.00	10.0	20.0
			1460001	2139178	2765818			40.0	60.0	80.0		
Styrene	CBNZ d5	Ave	21725	44392	254627	531972	1073705	0.500	1.00	5.00	10.0	20.0
			2256578	3340145	4345866			40.0	60.0	80.0		
Bromoform	CBNZ d5	Ave	3061	6885	44655	97882	201839	0.500	1.00	5.00	10.0	20.0
			461087	669631	918634			40.0	60.0	80.0		
Isopropylbenzene	CBNZ d5	Ave	36466	74680	452123	911890	1847145	0.500	1.00	5.00	10.0	20.0
			3860053	5761851	7467257			40.0	60.0	80.0		
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	6873	12576	79608	169732	347786	0.500	1.00	5.00	10.0	20.0
			754279	1089306	1503039			40.0	60.0	80.0		
Bromobenzene	DCBd 4	Ave	8351	16470	101111	204220	416341	0.500	1.00	5.00	10.0	20.0
			865867	1266885	1648117			40.0	60.0	80.0		
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	2378	4269	27408	58039	113297	0.500	1.00	5.00	10.0	20.0
			258094	363526	511776			40.0	60.0	80.0		
1,2,3-Trichloropropane	DCBd 4	Ave	2127	3883	25789	57381	111200	0.500	1.00	5.00	10.0	20.0
			253835	363185	508520			40.0	60.0	80.0		
n-Propylbenzene	DCBd 4	Ave	10517	22106	127087	259411	521484	0.500	1.00	5.00	10.0	20.0
			1111645	1640788	2145808			40.0	60.0	80.0		
2-Chlorotoluene	DCBd 4	Ave	8242	18162	105569	212531	422313	0.500	1.00	5.00	10.0	20.0
			900313	1323192	1711017			40.0	60.0	80.0		
1,3,5-Trimethylbenzene	DCBd 4	Ave	32066	64863	391874	781718	1563229	0.500	1.00	5.00	10.0	20.0
			3278175	4840060	6323559			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.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 12:04 Calibration End Date: 04/23/2021 14:53 Calibration ID: 61157

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	8561	18685	109456	221271	452436	0.500	1.00	5.00	10.0	20.0
			930696	1377915	1799292			40.0	60.0	80.0		
tert-Butylbenzene	DCBd 4	Ave	27991	56751	328982	668122	1352121	0.500	1.00	5.00	10.0	20.0
			2830331	4191600	5450673			40.0	60.0	80.0		
1,2,4-Trimethylbenzene	DCBd 4	Ave	32909	67267	385275	789125	1592750	0.500	1.00	5.00	10.0	20.0
			3296449	4889696	6387972			40.0	60.0	80.0		
sec-Butylbenzene	DCBd 4	Ave	41354	85407	491929	1000010	2026875	0.500	1.00	5.00	10.0	20.0
			4260996	6323030	8221252			40.0	60.0	80.0		
1,3-Dichlorobenzene	DCBd 4	Ave	16576	35807	203505	403771	813006	0.500	1.00	5.00	10.0	20.0
			1693004	2498404	3297670			40.0	60.0	80.0		
p-Isopropyltoluene	DCBd 4	Ave	33303	71910	424655	870228	1753476	0.500	1.00	5.00	10.0	20.0
			3660625	5385019	7046360			40.0	60.0	80.0		
1,4-Dichlorobenzene	DCBd 4	Ave	16998	35098	199899	410444	818933	0.500	1.00	5.00	10.0	20.0
			1709091	2512062	3305517			40.0	60.0	80.0		
n-Butylbenzene	DCBd 4	Ave	30357	63805	382172	781965	1569935	0.500	1.00	5.00	10.0	20.0
			3310304	4941850	6445729			40.0	60.0	80.0		
1,2-Dichlorobenzene	DCBd 4	Ave	15955	32551	185101	381974	757042	0.500	1.00	5.00	10.0	20.0
			1564238	2284333	3012586			40.0	60.0	80.0		
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	1162	3317	19343	42932	83908	0.500	1.00	5.00	10.0	20.0
			181905	256709	354967			40.0	60.0	80.0		
1,2,4-Trichlorobenzene	DCBd 4	Ave	8867	18493	105989	219931	444480	0.500	1.00	5.00	10.0	20.0
			937434	1364569	1783490			40.0	60.0	80.0		
Hexachlorobutadiene	DCBd 4	Ave	4016	8126	48606	100050	197666	0.500	1.00	5.00	10.0	20.0
			426502	617670	791330			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.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 12:04 Calibration End Date: 04/23/2021 14:53 Calibration ID: 61157

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	21739 2424480	44555 3482116	267630 4676906	577841	1129929	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	7524 794246	16145 1146408	87985 1504837	190066	373719	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Dibromofluoromethane (Surr)	FB	Ave	7223 708226	15176 1049744	85262 1330684	173107	354490	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	8371 855419	16733 1267996	101326 1636474	206531	416738	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
Toluene-d8 (Surr)	CBNZ d5	Ave	27159 2917585	54747 4361732	339137 5697155	689182	1412859	0.500 40.0	1.00 60.0	5.00 80.0	10.0	20.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	10982 1087162	23238 1612592	130869 2137108	257143	530933	0.500 40.0	1.00 60.0	5.00 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.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 12:04 Calibration End Date: 04/23/2021 14:53 Calibration ID: 61157

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-482539/16	UXM36566.D
Level 2	STD8260 240-482539/15	UXM36565.D
Level 3	STD8260 240-482539/14	UXM36564.D
Level 4	STD8260 240-482539/13	UXM36563.D
Level 5	ICIS 240-482539/12	UXM36562.D
Level 6	STD8260 240-482539/11	UXM36561.D
Level 7	STD8260 240-482539/10	UXM36560.D
Level 8	STD8260 240-482539/9	UXM36559.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
Bromomethane	-22.8 +++++	+++++				+++++	50					
Acetone	+++++	-14.1						50				
Vinyl acetate	+++++	14.3						50				
n-Heptane	+++++	-3.4						50				

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36559.D
Lims ID: std8260 L8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 23-Apr-2021 12:04:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0108510-009
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub69

Method: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Apr-2021 08:33:28 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: bosworthh Date: 23-Apr-2021 13:28:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.845	5.846	-0.001	99	1562115	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	87	1175011	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	653221	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.264	5.264	0.000	93	1330684	80.0	70.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	1636474	80.0	73.1	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	5697155	80.0	79.5	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	86	2137108	80.0	77.6	
9 Dichlorodifluoromethane	85	1.707	1.707	0.000	99	1923007	80.0	68.5	
10 Chloromethane	50		1.897				ND	ND	U
11 Vinyl chloride	62	2.015	2.015	0.000	98	1976569	80.0	68.7	
12 Butadiene	54	2.051	2.051	0.000	98	1881802	80.0	67.4	
13 Bromomethane	94		2.347				ND	ND	U
14 Chloroethane	64	2.454	2.466	-0.012	100	1188246	80.0	73.6	
15 Dichlorofluoromethane	67	2.691	2.703	-0.012	98	2487529	80.0	67.8	
16 Trichlorofluoromethane	101	2.715	2.727	-0.012	98	2256344	80.0	72.2	
17 Ethyl ether	59	3.011	3.011	0.000	89	1047306	80.0	75.1	
18 Acrolein	56	3.142	3.142	0.000	99	320406	400.0	375.0	
19 1,1-Dichloroethene	96	3.237	3.237	0.000	98	1184360	80.0	68.2	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.248	3.248	0.000	95	975025	80.0	72.1	
21 Acetone	58	3.284	3.284	0.000	100	222567	160.0	158.0	
23 Iodomethane	142	3.379	3.391	-0.012	98	1542405	80.0	67.0	
24 Carbon disulfide	76	3.450	3.450	0.000	99	3842562	80.0	67.6	
27 Methyl acetate	43	3.569	3.569	0.000	97	2003502	160.0	154.8	
26 3-Chloro-1-propene	41	3.581	3.592	-0.012	90	2095485	80.0	69.2	
28 Methylene Chloride	84	3.711	3.711	0.000	92	1381172	80.0	67.2	
29 2-Methyl-2-propanol	59	3.794	3.794	0.000	99	1396265	800.0	814.5	
30 Acrylonitrile	53	3.924	3.924	0.000	99	5391486	800.0	759.9	
31 Methyl tert-butyl ether	73	3.948	3.936	0.012	95	4099659	80.0	85.2	
32 trans-1,2-Dichloroethene	96	3.948	3.960	-0.012	99	1487254	80.0	71.5	
33 Hexane	57	4.197	4.197	0.000	91	2226303	80.0	81.2	
35 Vinyl acetate	43	4.339	4.339	0.000	97	1940326	80.0	80.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 1,1-Dichloroethane	63	4.351	4.351	0.000	96	2534657	80.0	69.2	
40 2-Butanone (MEK)	72	4.826	4.826	0.000	99	330770	160.0	179.8	
39 cis-1,2-Dichloroethene	96	4.849	4.849	0.000	83	1582529	80.0	68.5	
41 2,2-Dichloropropane	77	4.849	4.849	0.000	88	2367980	80.0	73.8	
45 Chlorobromomethane	128	5.051	5.051	0.000	95	696665	80.0	68.3	
46 Tetrahydrofuran	42	5.063	5.063	0.000	85	796162	160.0	151.6	
47 Chloroform	83	5.134	5.134	0.000	95	2432009	80.0	68.1	
48 1,1,1-Trichloroethane	97	5.288	5.288	0.000	99	2201508	80.0	71.5	
49 Cyclohexane	56	5.347	5.347	0.000	88	2535839	80.0	74.6	
51 Carbon tetrachloride	117	5.419	5.419	0.000	87	1888726	80.0	74.8	
50 1,1-Dichloropropene	75	5.419	5.419	0.000	94	2094409	80.0	78.9	
52 Isobutyl alcohol	41	5.478	5.466	0.012	94	1043686	2000.0	1923.3	
54 Benzene	78	5.585	5.585	0.000	97	5997719	80.0	76.0	
53 1,2-Dichloroethane	62	5.632	5.632	0.000	97	1942606	80.0	73.9	
56 n-Heptane	57	5.822	5.822	0.000	92	1178879	80.0	79.0	
58 Trichloroethene	130	6.154	6.154	0.000	97	1573112	80.0	76.7	
60 Methylcyclohexane	83	6.355	6.355	0.000	91	2796103	80.0	80.7	
61 1,2-Dichloropropane	63	6.379	6.379	0.000	93	1426764	80.0	76.7	
64 1,4-Dioxane	88	6.427	6.427	0.000	94	362849	1600.0	1615.1	
63 Dibromomethane	93	6.450	6.450	0.000	95	809597	80.0	70.9	
65 Dichlorobromomethane	83	6.604	6.604	0.000	99	1919875	80.0	72.3	
67 2-Chloroethyl vinyl ether	63	6.830	6.830	0.000	93	1848816	160.0	173.3	
68 cis-1,3-Dichloropropene	75	6.984	6.984	0.000	95	2458040	80.0	80.2	
69 4-Methyl-2-pentanone (MIBK)	43	7.102	7.102	0.000	96	2283285	160.0	162.6	
70 Toluene	91	7.280	7.280	0.000	98	6528007	80.0	77.6	
71 trans-1,3-Dichloropropene	75	7.482	7.482	0.000	94	2309153	80.0	87.4	
72 Ethyl methacrylate	69	7.518	7.518	0.000	88	1597367	80.0	76.7	
73 1,1,2-Trichloroethane	97	7.672	7.672	0.000	91	1212190	80.0	84.4	
75 Tetrachloroethene	164	7.755	7.755	0.000	98	1243255	80.0	79.5	
74 1,3-Dichloropropane	76	7.814	7.814	0.000	91	2212777	80.0	84.4	
76 2-Hexanone	43	7.850	7.850	0.000	95	1560121	160.0	160.7	
78 Chlorodibromomethane	129	8.016	8.016	0.000	90	1403543	80.0	84.7	
80 Ethylene Dibromide	107	8.134	8.134	0.000	98	1248523	80.0	87.3	
82 Chlorobenzene	112	8.585	8.585	0.000	95	4081967	80.0	76.0	
83 1,1,1,2-Tetrachloroethane	131	8.668	8.668	0.000	94	1432776	80.0	85.8	
84 Ethylbenzene	106	8.668	8.668	0.000	99	2342069	80.0	77.0	
85 m-Xylene & p-Xylene	106	8.798	8.798	0.000	97	2930155	80.0	76.2	
86 o-Xylene	106	9.166	9.166	0.000	96	2765818	80.0	76.3	
87 Styrene	104	9.178	9.178	0.000	94	4345866	80.0	78.4	
88 Bromoform	173	9.367	9.367	0.000	97	918634	80.0	90.7	
89 Isopropylbenzene	105	9.510	9.510	0.000	96	7467257	80.0	78.5	
92 1,1,2,2-Tetrachloroethane	83	9.806	9.806	0.000	95	1503039	80.0	83.1	
93 Bromobenzene	156	9.842	9.842	0.000	96	1648117	80.0	76.1	
94 trans-1,4-Dichloro-2-butene	53	9.854	9.854	0.000	82	511776	80.0	83.4	
95 1,2,3-Trichloropropane	110	9.877	9.877	0.000	81	508520	80.0	86.1	
96 N-Propylbenzene	120	9.925	9.925	0.000	99	2145808	80.0	77.3	
97 2-Chlorotoluene	126	10.020	10.020	0.000	96	1711017	80.0	76.1	
99 1,3,5-Trimethylbenzene	105	10.103	10.091	0.012	94	6323559	80.0	76.2	
100 4-Chlorotoluene	126	10.138	10.138	0.000	97	1799292	80.0	76.7	
102 tert-Butylbenzene	119	10.411	10.411	0.000	93	5450673	80.0	76.2	
104 1,2,4-Trimethylbenzene	105	10.470	10.470	0.000	97	6387972	80.0	76.0	
105 sec-Butylbenzene	105	10.636	10.624	0.012	94	8221252	80.0	76.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	10.755	10.755	0.000	98	3297670	80.0	76.1	
107 4-Isopropyltoluene	119	10.779	10.779	0.000	97	7046360	80.0	77.1	
108 1,4-Dichlorobenzene	146	10.862	10.862	0.000	96	3305517	80.0	76.0	
111 n-Butylbenzene	91	11.182	11.182	0.000	98	6445729	80.0	78.0	
112 1,2-Dichlorobenzene	146	11.217	11.217	0.000	98	3012586	80.0	75.1	
113 1,2-Dibromo-3-Chloropropane	157	12.000	12.000	0.000	86	354967	80.0	83.4	
115 1,2,4-Trichlorobenzene	180	12.830	12.830	0.000	94	1783490	80.0	76.5	
116 Hexachlorobutadiene	225	12.972	12.972	0.000	98	791330	80.0	75.4	
117 Naphthalene	128	13.115	13.115	0.000	97	4676906	80.0	79.0	
118 1,2,3-Trichlorobenzene	180	13.364	13.352	0.012	96	1504837	80.0	76.1	
S 134 Trihalomethanes, Total	1				0		320.0	315.8	
S 158 Total BTEX	1				0		400.0	383.1	
S 131 1,2-Dichloroethene, Total	96				0			140.0	
S 132 1,3-Dichloropropene, Total	75				0			167.6	
S 133 Xylenes, Total	106				0		160.0	152.6	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

Reagents:

vmrgas_00382	Amount Added:	64.00	Units: uL
vmarolistdw_00389	Amount Added:	64.00	Units: uL
vmrprimw_00432	Amount Added:	64.00	Units: uL
vm50ss_00439	Amount Added:	64.00	Units: uL
vm50is_stk_a_00008	Amount Added:	2.00	Units: uL

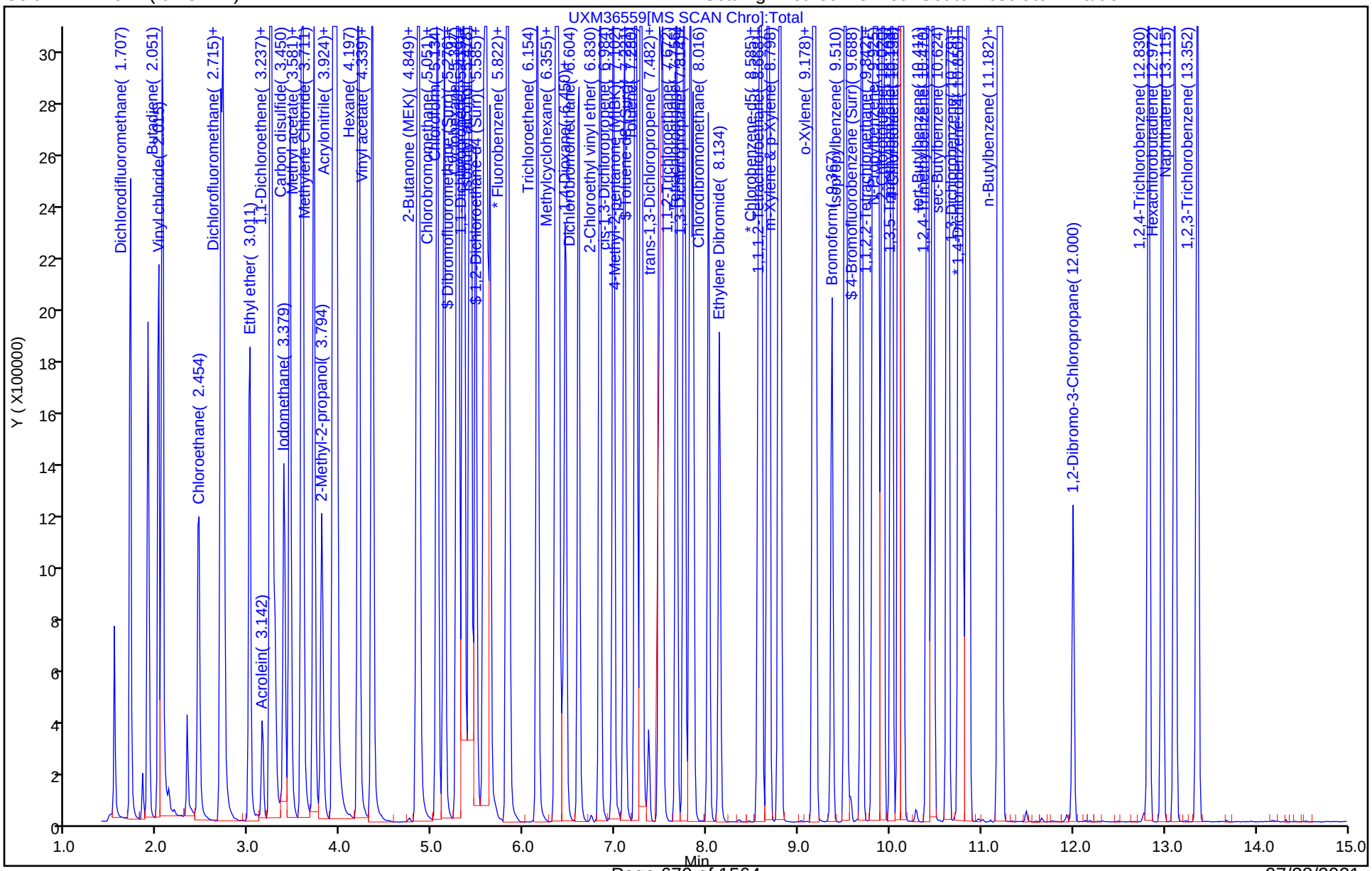
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Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36559.D

Injection Date:	23-Apr-2021 12:04:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	std8260 L8			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Canton

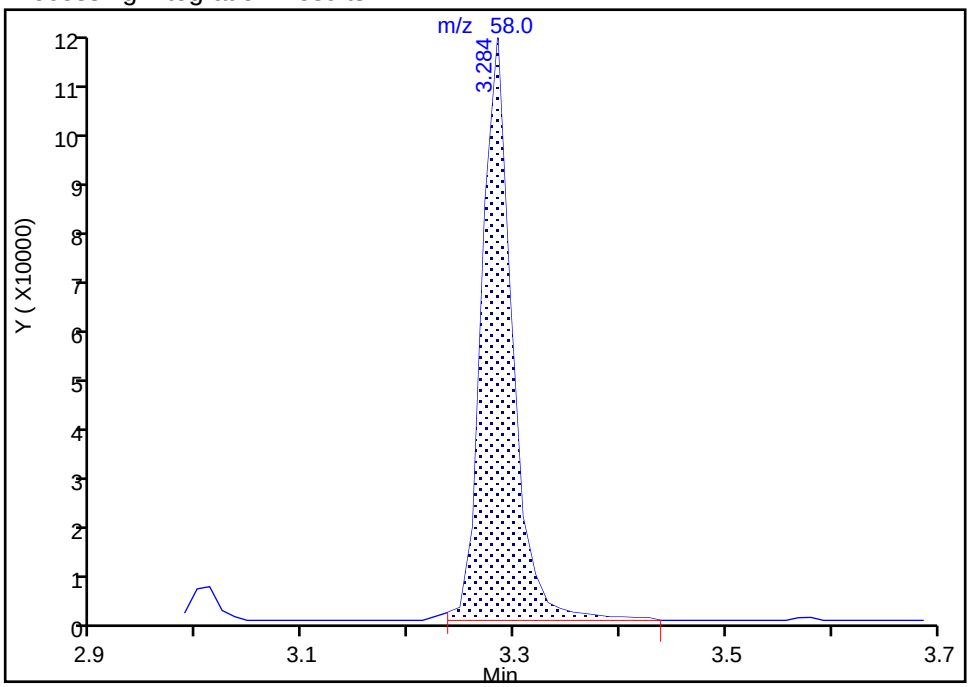
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Lims ID:	std8260 L8				
Client ID:					
Operator ID:	001765	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_16	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

21 Acetone, CAS: 67-64-1

Signal: 2

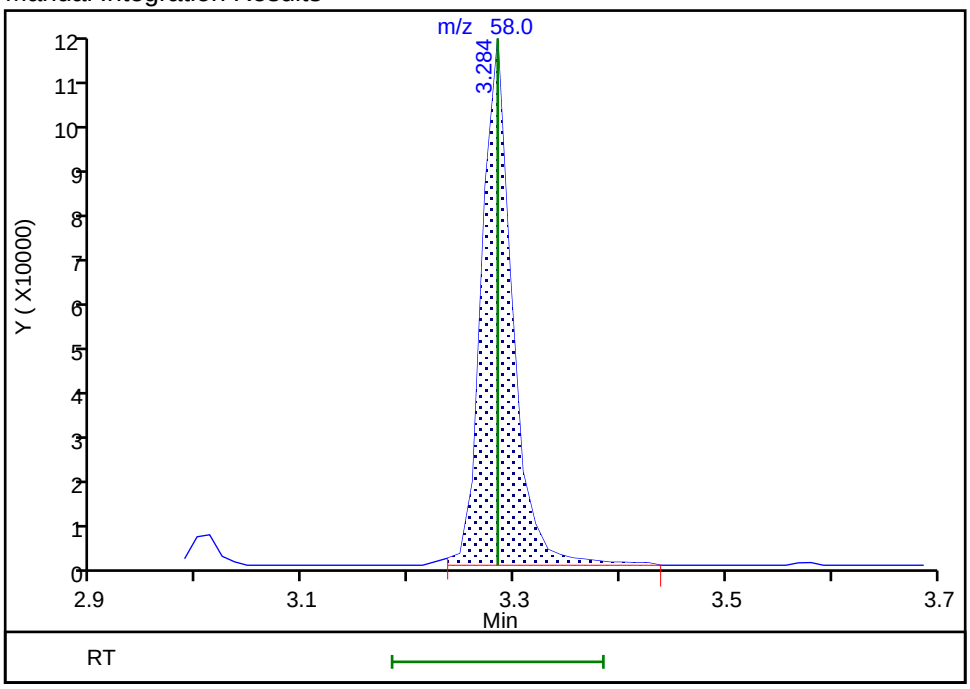
Processing Integration Results

RT: 3.28
Area: 222567
Amount: 158.0266
Amount Units: ug/l



Manual Integration Results

RT: 3.28
Area: 222567
Amount: 158.0266
Amount Units: ug/l



Reviewer: bosworthh, 23-Apr-2021 15:27:22

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

Eurofins TestAmerica, Canton

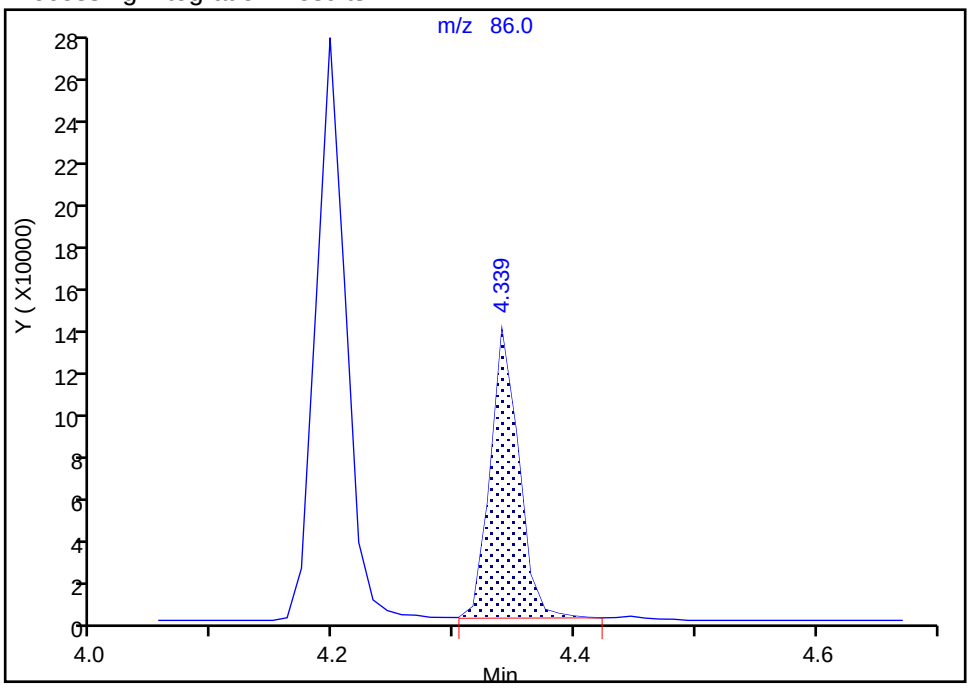
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Injection Date:	23-Apr-2021 12:04:30	Instrument ID:	A3UX16		
Lims ID:	std8260 L8				
Client ID:					
Operator ID:	001765	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_16	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

35 Vinyl acetate, CAS: 108-05-4

Signal: 2

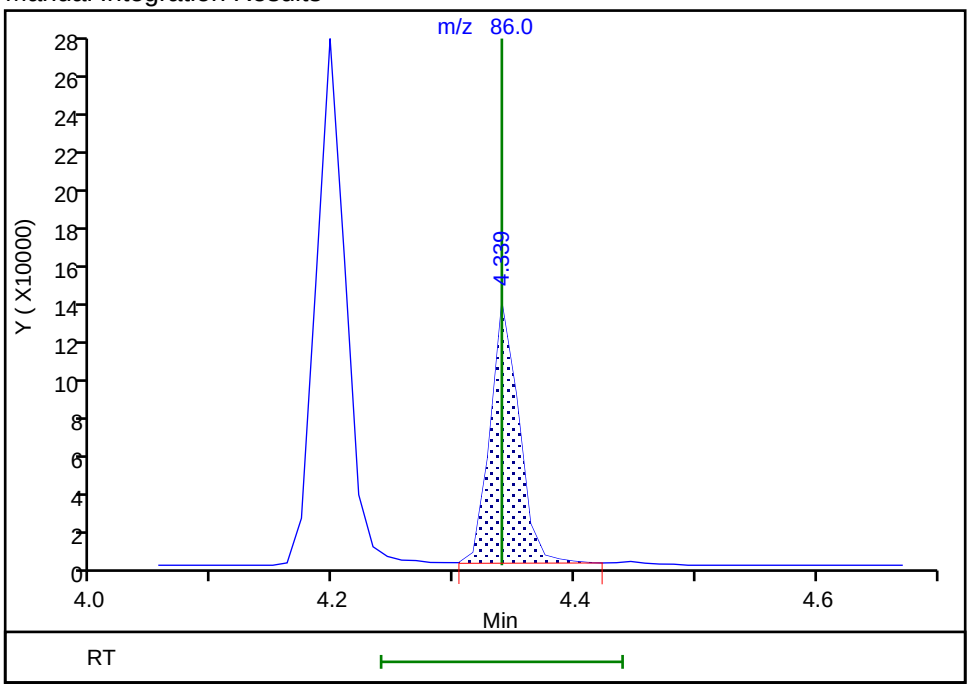
Processing Integration Results

RT: 4.34
Area: 220900
Amount: 80.761277
Amount Units: ug/l



Manual Integration Results

RT: 4.34
Area: 220900
Amount: 80.761277
Amount Units: ug/l



Reviewer: bosworthh, 23-Apr-2021 15:27:59
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Canton

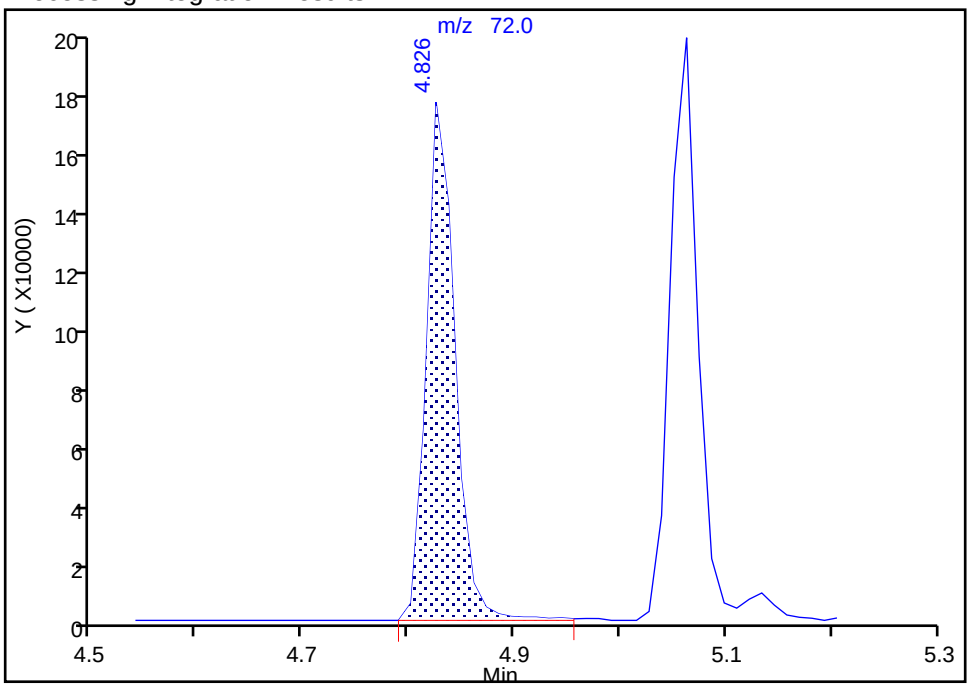
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Injection Date: 23-Apr-2021 12:04:30 Instrument ID: A3UX16
Lims ID: std8260 L8
Client ID:
Operator ID: 001765 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

40 2-Butanone (MEK), CAS: 78-93-3

Signal: 2

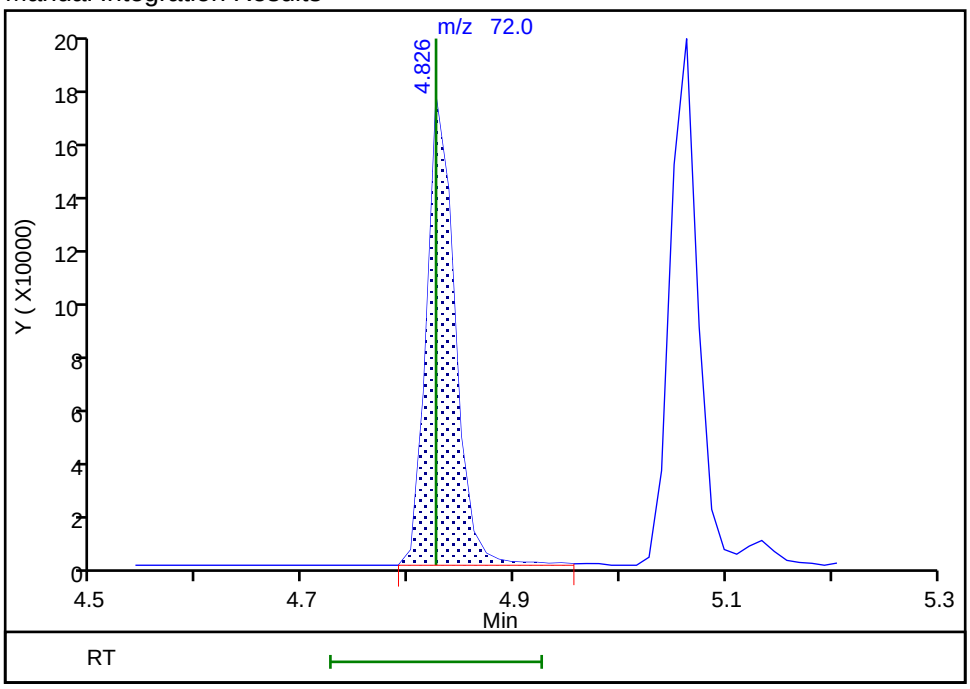
Processing Integration Results

RT: 4.83
Area: 330770
Amount: 164.0504
Amount Units: ug/l



Manual Integration Results

RT: 4.83
Area: 330770
Amount: 179.8159
Amount Units: ug/l



Reviewer: bosworthh, 23-Apr-2021 15:28:26
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Canton

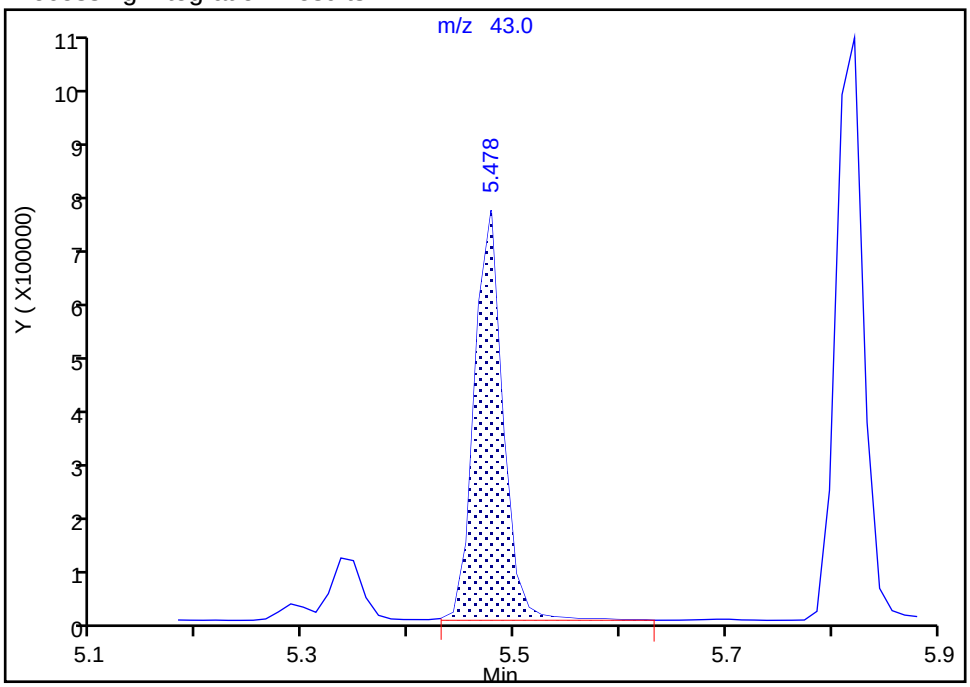
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Injection Date: 23-Apr-2021 12:04:30 Instrument ID: A3UX16
Lims ID: std8260 L8
Client ID:
Operator ID: 001765 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

52 Isobutyl alcohol, CAS: 78-83-1

Signal: 2

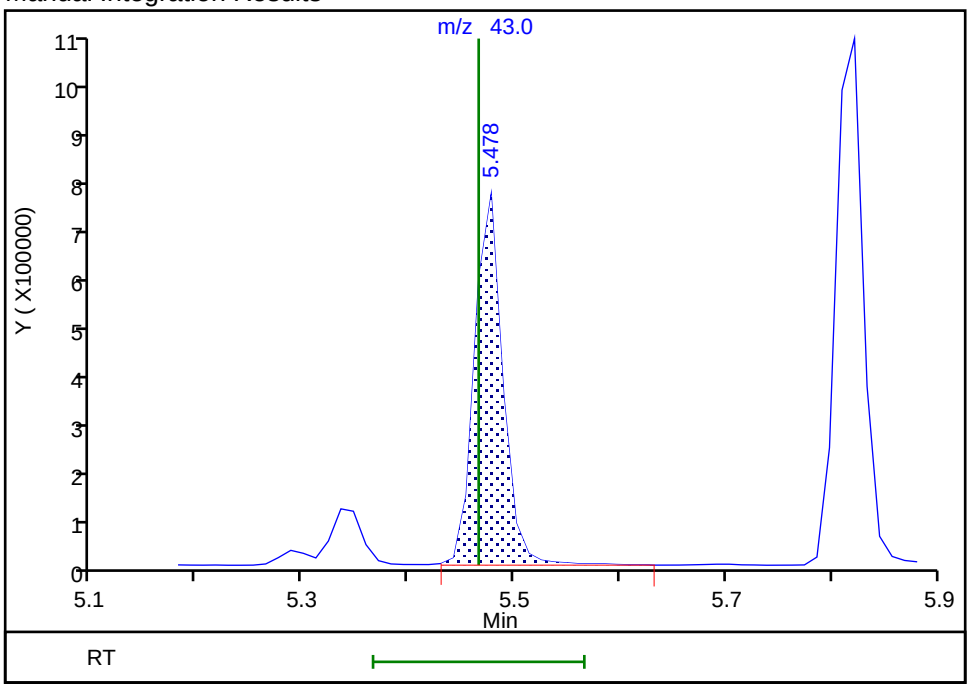
Processing Integration Results

RT: 5.48
Area: 1443967
Amount: 2083.5310
Amount Units: ug/l



Manual Integration Results

RT: 5.48
Area: 1443967
Amount: 1923.2536
Amount Units: ug/l



Reviewer: bosworthh, 23-Apr-2021 15:29:55
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Canton

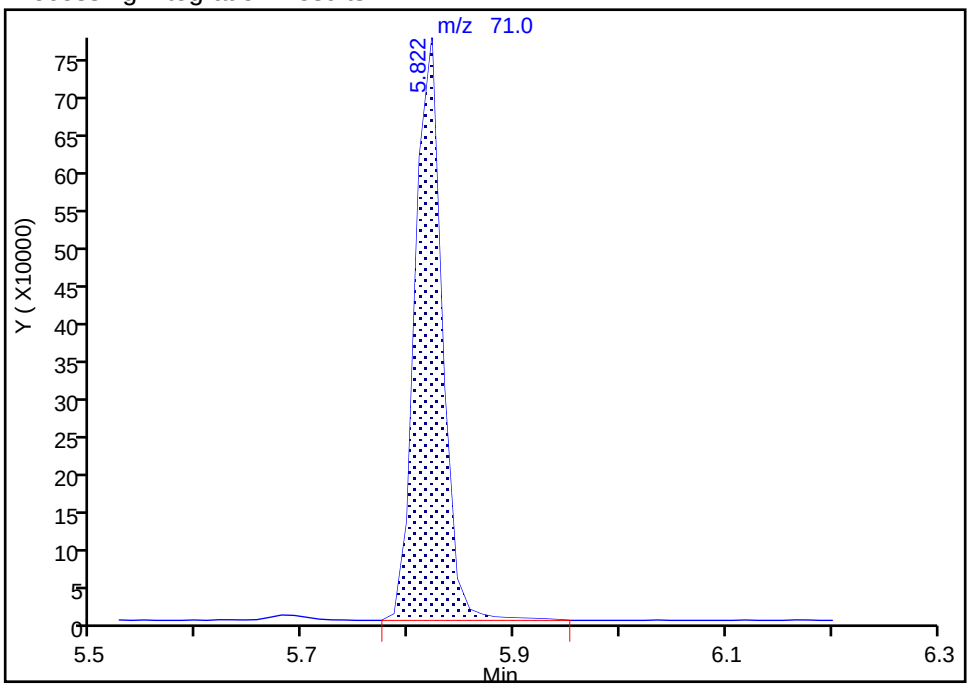
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Injection Date: 23-Apr-2021 12:04:30 Instrument ID: A3UX16
Lims ID: std8260 L8
Client ID:
Operator ID: 001765 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

56 n-Heptane, CAS: 142-82-5

Signal: 2

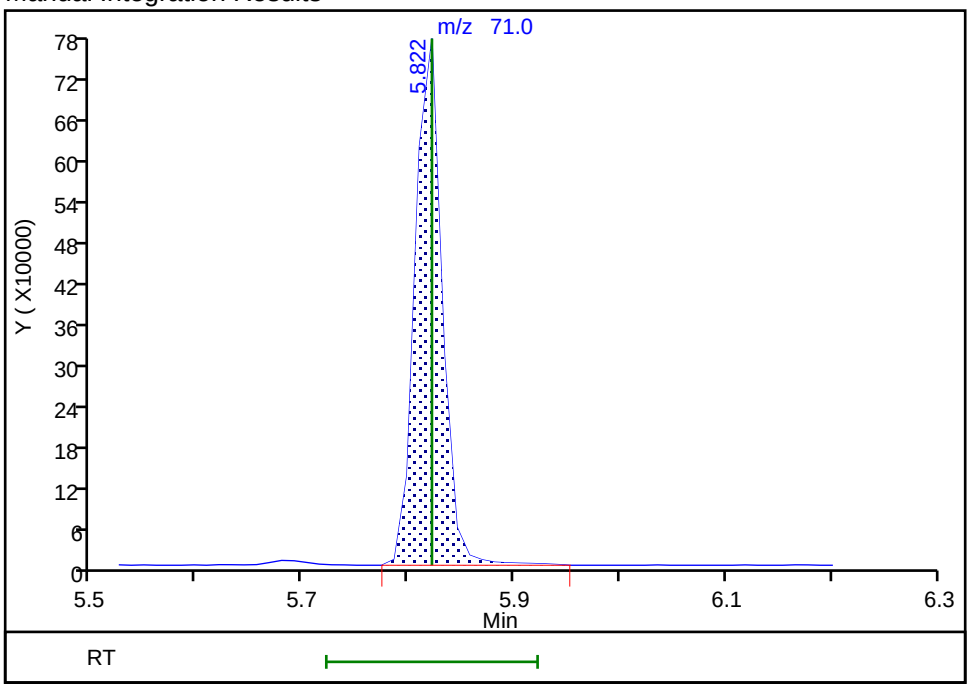
Processing Integration Results

RT: 5.82
Area: 1371358
Amount: 79.006096
Amount Units: ug/l



Manual Integration Results

RT: 5.82
Area: 1371358
Amount: 79.006096
Amount Units: ug/l



Reviewer: bosworthh, 23-Apr-2021 15:30:21
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Canton

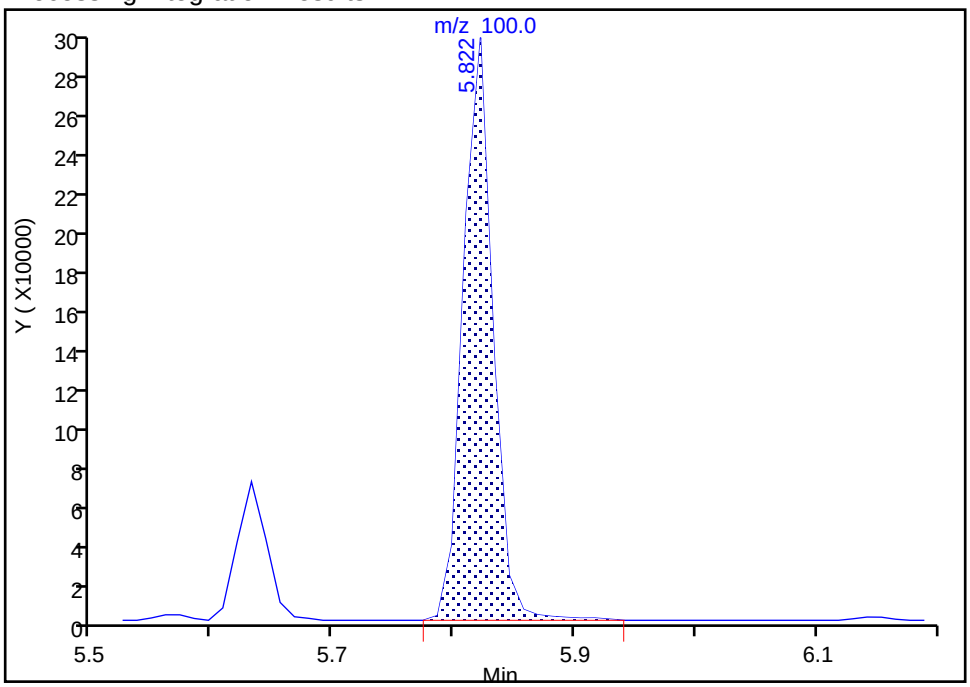
Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36559.D
Injection Date: 23-Apr-2021 12:04:30 Instrument ID: A3UX16
Lims ID: std8260 L8
Client ID:
Operator ID: 001765 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

56 n-Heptane, CAS: 142-82-5

Signal: 3

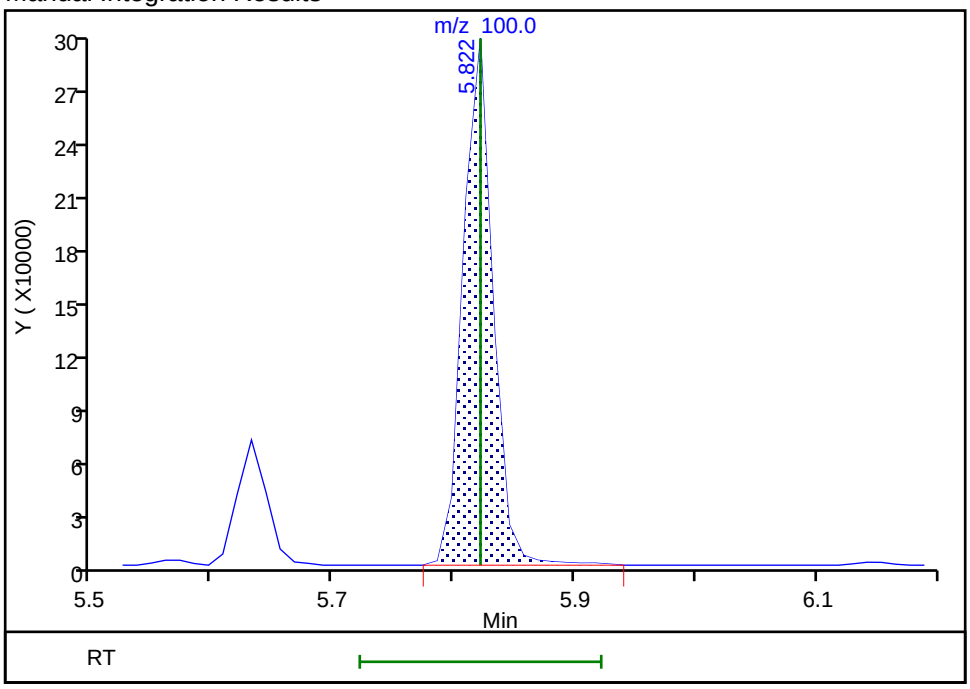
Processing Integration Results

RT: 5.82
Area: 505082
Amount: 79.006096
Amount Units: ug/l



Manual Integration Results

RT: 5.82
Area: 505082
Amount: 79.006096
Amount Units: ug/l



Reviewer: bosworthh, 23-Apr-2021 15:30:21
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

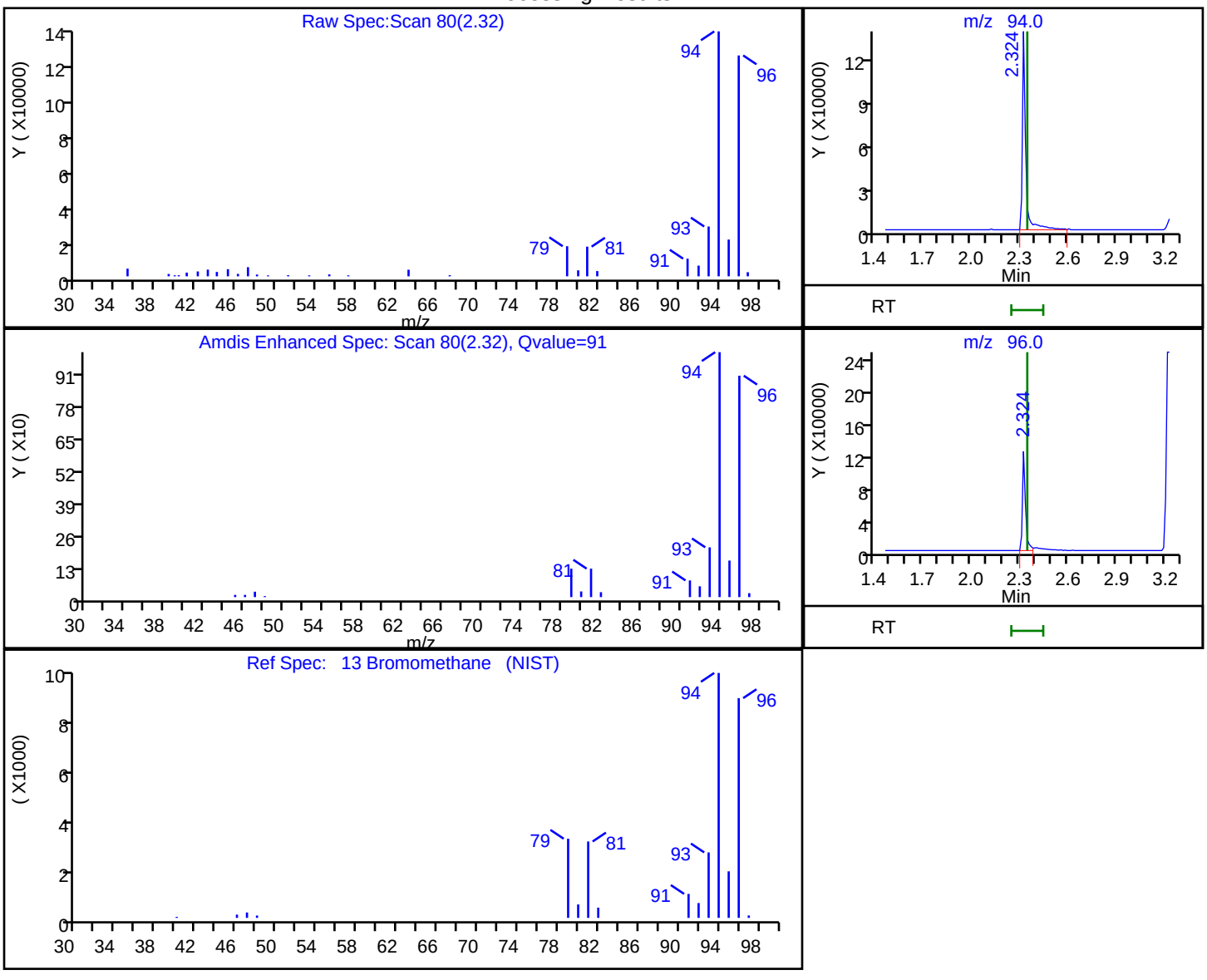
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36559.D
Injection Date: 23-Apr-2021 12:04:30 Instrument ID: A3UX16
Lims ID: std8260 L8
Client ID:
Operator ID: 001765 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

13 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.32	94.00	201937	31.986328
2.32	96.00	165273	

Reviewer: bosworthh, 23-Apr-2021 13:27:23
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

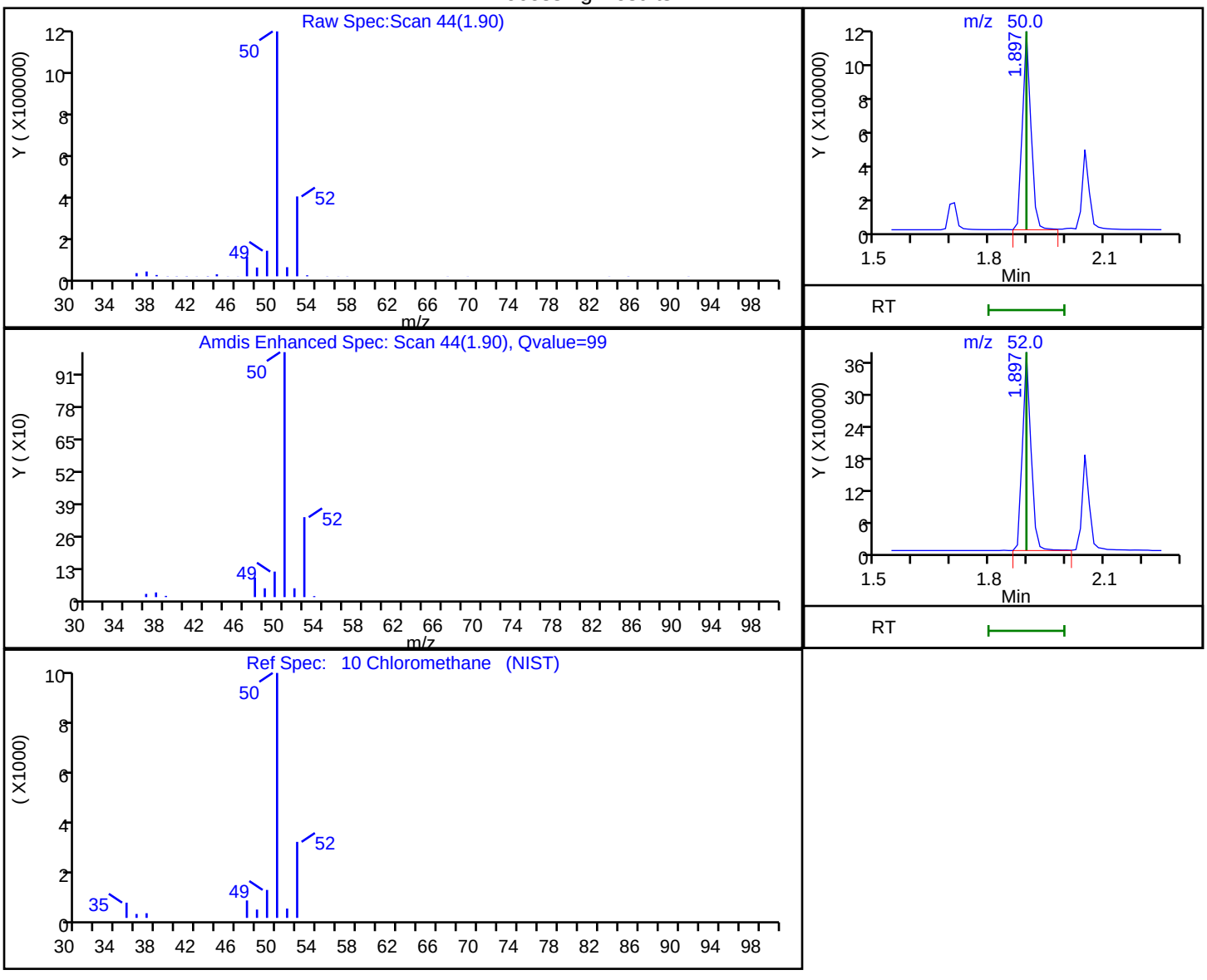
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36559.D				
Injection Date:	23-Apr-2021 12:04:30	Instrument ID:	A3UX16		
Lims ID:	std8260 L8				
Client ID:					
Operator ID:	001765	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_16	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

10 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
1.90	50.00	1792979	73.645079
1.90	52.00	581279	

Reviewer: bosworthh, 23-Apr-2021 15:26:41

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

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36560.D
Lims ID: std8260 L7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 23-Apr-2021 12:28:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0108510-010
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub69

Method: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Apr-2021 08:33:38 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: bosworthh Date: 23-Apr-2021 13:30:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.845	5.846	-0.001	99	1594706	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	89	1177165	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	633664	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.264	5.264	0.000	94	1049744	60.0	54.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	1267996	60.0	55.5	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	4361732	60.0	60.8	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	88	1612592	60.0	58.4	
9 Dichlorodifluoromethane	85	1.707	1.707	0.000	99	1568333	60.0	54.7	
10 Chloromethane	50	1.897	1.897	0.000	99	1513352	60.0	51.1	
11 Vinyl chloride	62	2.015	2.015	0.000	98	1571479	60.0	53.5	
12 Butadiene	54	2.051	2.051	0.000	98	1480342	60.0	51.9	
13 Bromomethane	94		2.347				ND	ND	U
14 Chloroethane	64	2.454	2.466	-0.012	99	947711	60.0	57.5	
15 Dichlorofluoromethane	67	2.691	2.703	-0.012	97	2018120	60.0	53.9	
16 Trichlorofluoromethane	101	2.727	2.727	0.000	98	1825144	60.0	57.2	
17 Ethyl ether	59	3.011	3.011	0.000	89	832192	60.0	58.5	
18 Acrolein	56	3.142	3.142	0.000	99	242629	300.0	278.2	
19 1,1-Dichloroethene	96	3.237	3.237	0.000	98	964125	60.0	54.4	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.248	3.248	0.000	92	794862	60.0	57.6	
21 Acetone	58	3.284	3.284	0.000	100	166617	120.0	115.2	
23 Iodomethane	142	3.379	3.391	-0.012	98	1339685	60.0	57.0	
24 Carbon disulfide	76	3.450	3.450	0.000	99	3120201	60.0	53.8	
27 Methyl acetate	43	3.569	3.569	0.000	97	1476682	120.0	111.8	
26 3-Chloro-1-propene	41	3.581	3.592	-0.012	91	1692772	60.0	54.7	
28 Methylene Chloride	84	3.711	3.711	0.000	91	1109654	60.0	52.9	
29 2-Methyl-2-propanol	59	3.794	3.794	0.000	98	982049	600.0	561.2	
30 Acrylonitrile	53	3.924	3.924	0.000	99	4021522	600.0	555.2	
31 Methyl tert-butyl ether	73	3.948	3.936	0.012	95	3055508	60.0	62.2	
32 trans-1,2-Dichloroethene	96	3.960	3.960	0.000	99	1173698	60.0	55.2	
33 Hexane	57	4.197	4.197	0.000	91	1705650	60.0	60.9	
35 Vinyl acetate	43	4.339	4.339	0.000	97	1473979	60.0	60.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 1,1-Dichloroethane	63	4.351	4.351	0.000	96	2000964	60.0	53.5	
40 2-Butanone (MEK)	72	4.826	4.826	0.000	99	237568	120.0	126.5	
39 cis-1,2-Dichloroethene	96	4.849	4.849	0.000	82	1270837	60.0	53.9	
41 2,2-Dichloropropane	77	4.849	4.849	0.000	87	1862453	60.0	56.8	
45 Chlorobromomethane	128	5.051	5.051	0.000	94	553423	60.0	53.2	
46 Tetrahydrofuran	42	5.063	5.063	0.000	85	572186	120.0	106.7	
47 Chloroform	83	5.134	5.134	0.000	94	1933612	60.0	53.0	
48 1,1,1-Trichloroethane	97	5.288	5.288	0.000	98	1718787	60.0	54.7	
49 Cyclohexane	56	5.347	5.347	0.000	88	1995738	60.0	57.5	
51 Carbon tetrachloride	117	5.419	5.419	0.000	87	1499291	60.0	58.1	
50 1,1-Dichloropropene	75	5.419	5.419	0.000	94	1652962	60.0	61.0	
52 Isobutyl alcohol	41	5.478	5.466	0.012	94	727267	1500.0	1312.8	
54 Benzene	78	5.585	5.585	0.000	97	4704418	60.0	58.4	
53 1,2-Dichloroethane	62	5.632	5.632	0.000	98	1510298	60.0	56.3	
56 n-Heptane	57	5.822	5.822	0.000	90	926191	60.0	59.9	
58 Trichloroethene	130	6.154	6.154	0.000	97	1238968	60.0	59.2	
60 Methylcyclohexane	83	6.355	6.355	0.000	90	2167660	60.0	61.3	
61 1,2-Dichloropropane	63	6.379	6.379	0.000	94	1123332	60.0	59.1	
64 1,4-Dioxane	88	6.427	6.427	0.000	94	265006	1200.0	1155.5	
63 Dibromomethane	93	6.450	6.450	0.000	96	630065	60.0	54.0	
65 Dichlorobromomethane	83	6.604	6.604	0.000	99	1495430	60.0	55.2	
67 2-Chloroethyl vinyl ether	63	6.830	6.830	0.000	93	1364196	120.0	125.2	
68 cis-1,3-Dichloropropene	75	6.984	6.984	0.000	95	1903637	60.0	60.8	
69 4-Methyl-2-pentanone (MIBK)	43	7.102	7.102	0.000	99	1626995	120.0	113.5	
70 Toluene	91	7.280	7.280	0.000	99	5058475	60.0	60.0	
71 trans-1,3-Dichloropropene	75	7.482	7.482	0.000	94	1756332	60.0	66.4	
72 Ethyl methacrylate	69	7.518	7.518	0.000	89	1185302	60.0	56.8	
73 1,1,2-Trichloroethane	97	7.672	7.672	0.000	91	913602	60.0	63.5	
75 Tetrachloroethene	164	7.755	7.755	0.000	98	973646	60.0	62.2	
74 1,3-Dichloropropane	76	7.814	7.814	0.000	91	1689142	60.0	64.3	
76 2-Hexanone	43	7.850	7.850	0.000	94	1105003	120.0	113.6	
78 Chlorodibromomethane	129	8.016	8.016	0.000	90	1059270	60.0	63.8	
80 Ethylene Dibromide	107	8.134	8.134	0.000	98	946241	60.0	66.0	
82 Chlorobenzene	112	8.585	8.585	0.000	95	3185422	60.0	59.2	
83 1,1,1,2-Tetrachloroethane	131	8.668	8.668	0.000	95	1095325	60.0	65.5	
84 Ethylbenzene	106	8.668	8.668	0.000	99	1809445	60.0	59.4	
85 m-Xylene & p-Xylene	106	8.798	8.798	0.000	97	2258639	60.0	58.6	
86 o-Xylene	106	9.166	9.166	0.000	96	2139178	60.0	58.9	
87 Styrene	104	9.178	9.178	0.000	94	3340145	60.0	60.2	
88 Bromoform	173	9.367	9.367	0.000	97	669631	60.0	66.0	
89 Isopropylbenzene	105	9.510	9.510	0.000	96	5761851	60.0	60.5	
92 1,1,2,2-Tetrachloroethane	83	9.818	9.806	0.012	94	1089306	60.0	62.1	
93 Bromobenzene	156	9.842	9.842	0.000	96	1266885	60.0	60.3	
94 trans-1,4-Dichloro-2-butene	53	9.854	9.854	0.000	79	363526	60.0	61.1	
95 1,2,3-Trichloropropane	110	9.877	9.877	0.000	82	363185	60.0	63.4	
96 N-Propylbenzene	120	9.925	9.925	0.000	99	1640788	60.0	61.0	
97 2-Chlorotoluene	126	10.020	10.020	0.000	96	1323192	60.0	60.7	
99 1,3,5-Trimethylbenzene	105	10.103	10.091	0.012	94	4840060	60.0	60.1	
100 4-Chlorotoluene	126	10.138	10.138	0.000	97	1377915	60.0	60.6	
102 tert-Butylbenzene	119	10.411	10.411	0.000	93	4191600	60.0	60.4	
104 1,2,4-Trimethylbenzene	105	10.470	10.470	0.000	97	4889696	60.0	60.0	
105 sec-Butylbenzene	105	10.636	10.624	0.012	94	6323030	60.0	60.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	10.755	10.755	0.000	98	2498404	60.0	59.4	
107 4-Isopropyltoluene	119	10.779	10.779	0.000	97	5385019	60.0	60.7	
108 1,4-Dichlorobenzene	146	10.862	10.862	0.000	96	2512062	60.0	59.6	
111 n-Butylbenzene	91	11.182	11.182	0.000	97	4941850	60.0	61.7	
112 1,2-Dichlorobenzene	146	11.217	11.217	0.000	97	2284333	60.0	58.7	
113 1,2-Dibromo-3-Chloropropane	157	12.000	12.000	0.000	86	256709	60.0	62.2	
115 1,2,4-Trichlorobenzene	180	12.830	12.830	0.000	94	1364569	60.0	60.3	
116 Hexachlorobutadiene	225	12.972	12.972	0.000	98	617670	60.0	60.6	
117 Naphthalene	128	13.115	13.115	0.000	97	3482116	60.0	60.6	
118 1,2,3-Trichlorobenzene	180	13.364	13.352	0.012	96	1146408	60.0	59.8	
S 134 Trihalomethanes, Total	1				0		240.0	238.0	
S 158 Total BTEX	1				0		300.0	295.4	
S 131 1,2-Dichloroethene, Total	96				0			109.1	
S 132 1,3-Dichloropropene, Total	75				0			127.2	
S 133 Xylenes, Total	106				0		120.0	117.6	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

Reagents:

vmrgas_00382	Amount Added:	48.00	Units: uL
vmarolistdw_00389	Amount Added:	48.00	Units: uL
vmrprimw_00432	Amount Added:	48.00	Units: uL
vm50ss_00439	Amount Added:	48.00	Units: uL
vm50is_stk_a_00008	Amount Added:	2.00	Units: uL

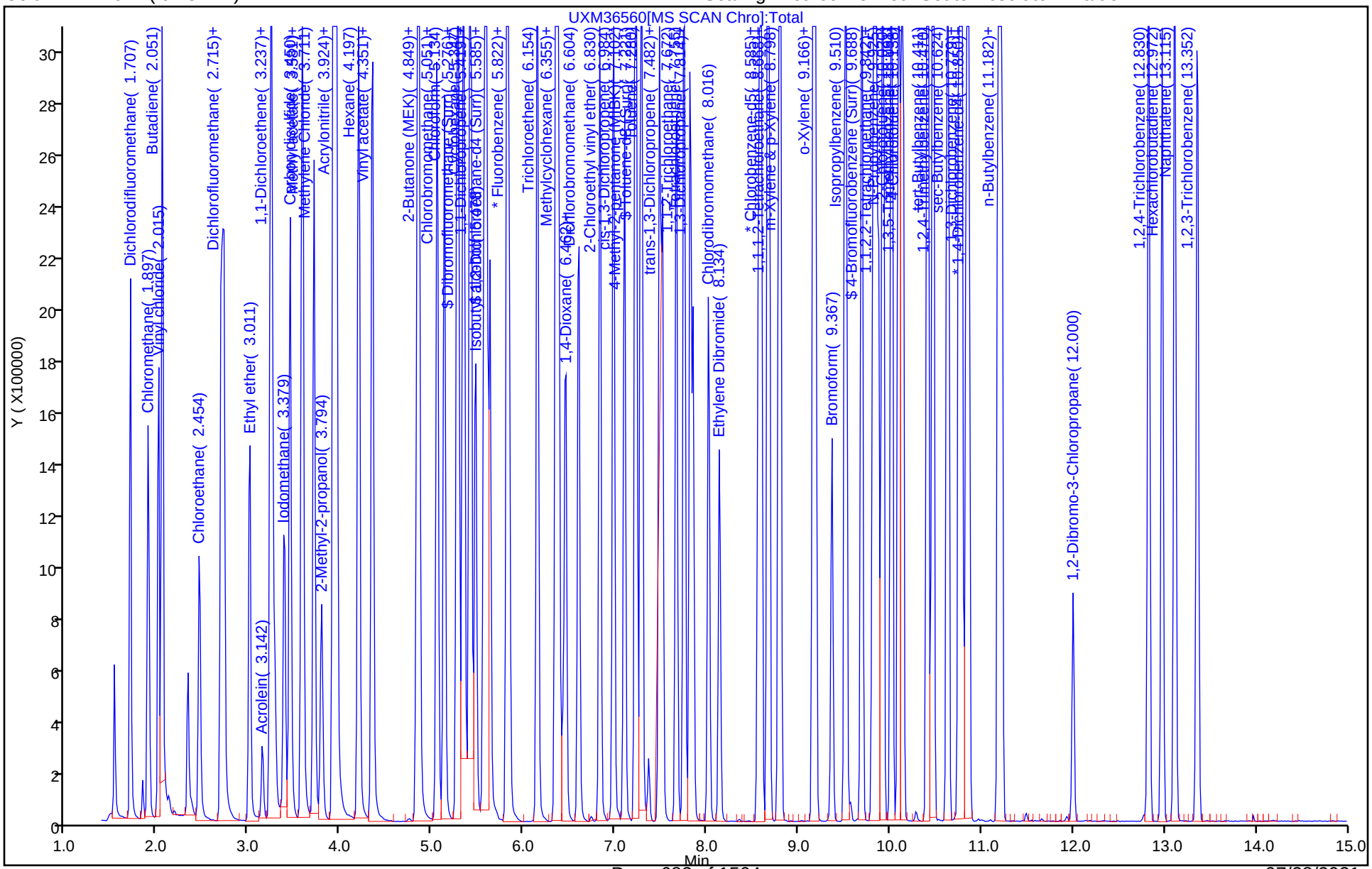
Report Date: 26-Apr-2021 08:33:40 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36560.D

Injection Date:	23-Apr-2021 12:28:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	std8260 L7			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



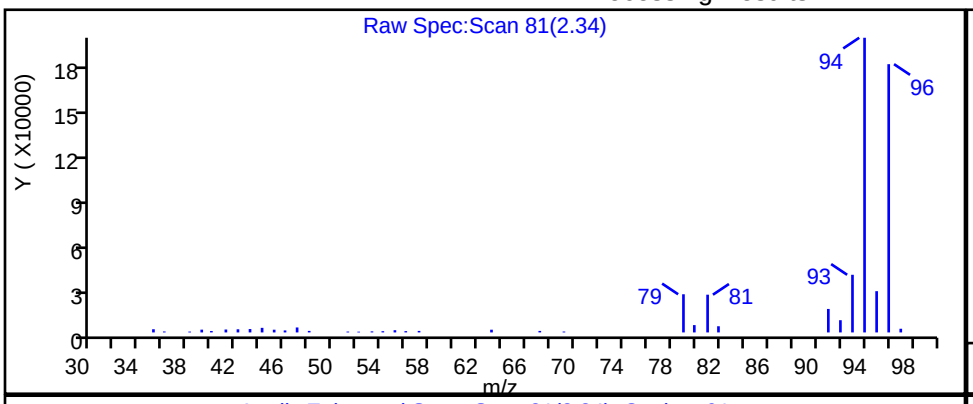
User Disabled Compound Report

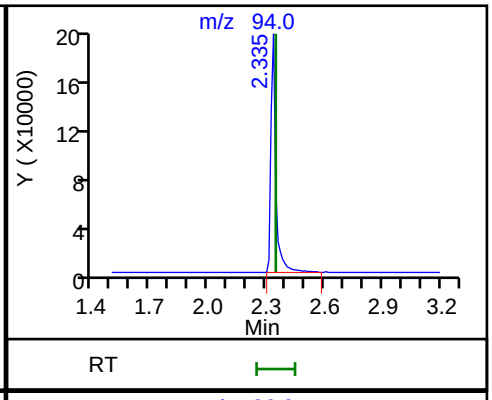
Eurofins TestAmerica, Canton

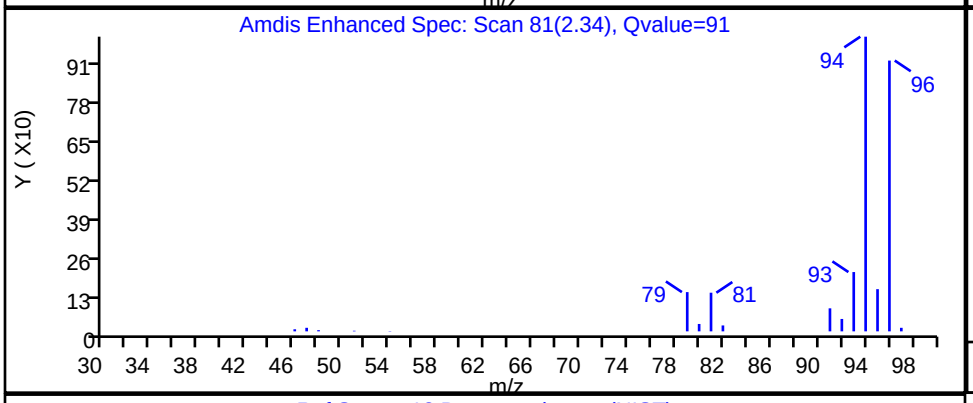
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Injection Date: 23-Apr-2021 12:28:30 Instrument ID: A3UX16
Lims ID: std8260 L7
Client ID:
Operator ID: 001765 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

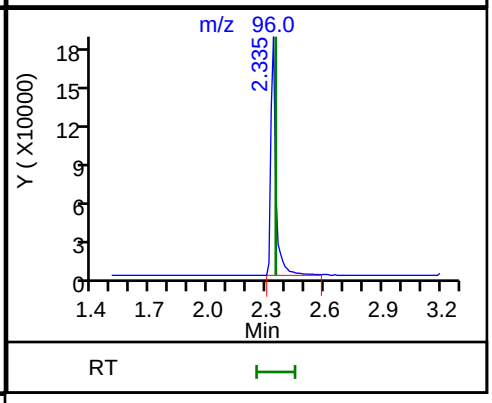
13 Bromomethane, CAS: 74-83-9

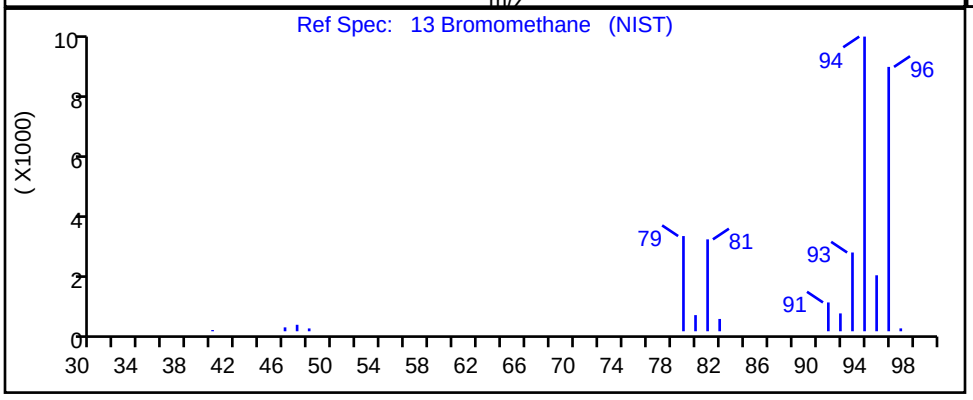
Processing Results











RT	Mass	Response	Amount
2.34	94.00	354197	42.272102
2.34	96.00	329640	

Reviewer: bosworthh, 23-Apr-2021 13:29:23
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36561.D
Lims ID: std8260 L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 23-Apr-2021 12:52:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0108510-011
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub69

Method: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Apr-2021 08:33:47 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: bosworthh Date: 23-Apr-2021 13:26:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.846	5.846	0.000	99	1575479	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	1172490	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	635127	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.265	5.264	0.001	93	708226	40.0	37.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	855419	40.0	37.9	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	2917585	40.0	40.8	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	86	1087162	40.0	39.6	
9 Dichlorodifluoromethane	85	1.707	1.707	0.000	99	986295	40.0	34.8	
10 Chloromethane	50	1.897	1.897	0.000	99	1031351	40.0	35.3	
11 Vinyl chloride	62	2.015	2.015	0.000	98	1057956	40.0	36.5	
12 Butadiene	54	2.051	2.051	0.000	98	977604	40.0	34.7	
13 Bromomethane	94		2.347				ND	ND	U
14 Chloroethane	64	2.466	2.466	0.000	100	630668	40.0	38.7	
15 Dichlorofluoromethane	67	2.703	2.703	0.000	97	1365825	40.0	36.9	
16 Trichlorofluoromethane	101	2.727	2.727	0.000	98	1181544	40.0	37.5	
17 Ethyl ether	59	3.011	3.011	0.000	89	572153	40.0	40.7	
18 Acrolein	56	3.142	3.142	0.000	99	166897	200.0	193.7	
19 1,1-Dichloroethene	96	3.237	3.237	0.000	98	660895	40.0	37.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.249	3.248	0.001	91	561558	40.0	41.2	
21 Acetone	58	3.284	3.284	0.000	100	120532	80.0	83.7	
23 Iodomethane	142	3.391	3.391	0.000	97	903532	40.0	38.9	
24 Carbon disulfide	76	3.450	3.450	0.000	99	2140127	40.0	37.3	
27 Methyl acetate	43	3.569	3.569	0.000	97	1028384	80.0	78.8	
26 3-Chloro-1-propene	41	3.581	3.592	-0.011	90	1141607	40.0	37.4	
28 Methylene Chloride	84	3.711	3.711	0.000	91	758873	40.0	36.6	
29 2-Methyl-2-propanol	59	3.794	3.794	0.000	98	723769	400.0	418.6	
30 Acrylonitrile	53	3.925	3.924	0.001	99	2820675	400.0	394.2	
31 Methyl tert-butyl ether	73	3.948	3.936	0.012	94	2089784	40.0	43.1	
32 trans-1,2-Dichloroethene	96	3.960	3.960	0.000	99	793418	40.0	37.8	
33 Hexane	57	4.197	4.197	0.000	91	1194103	40.0	43.2	
35 Vinyl acetate	43	4.340	4.339	0.001	97	969527	40.0	40.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 1,1-Dichloroethane	63	4.352	4.351	0.001	96	1371481	40.0	37.1	
40 2-Butanone (MEK)	72	4.826	4.826	0.000	99	167113	80.0	90.1	
39 cis-1,2-Dichloroethene	96	4.850	4.849	0.001	81	869864	40.0	37.3	
41 2,2-Dichloropropane	77	4.850	4.849	0.001	87	1262244	40.0	39.0	
45 Chlorobromomethane	128	5.051	5.051	0.000	97	381984	40.0	37.1	
46 Tetrahydrofuran	42	5.063	5.063	0.000	85	401653	80.0	75.8	
47 Chloroform	83	5.134	5.134	0.000	94	1318579	40.0	36.6	
48 1,1,1-Trichloroethane	97	5.288	5.288	0.000	99	1166383	40.0	37.6	
49 Cyclohexane	56	5.348	5.347	0.001	88	1391366	40.0	40.6	
51 Carbon tetrachloride	117	5.419	5.419	0.000	87	1016878	40.0	39.9	
50 1,1-Dichloropropene	75	5.419	5.419	0.000	95	1127144	40.0	42.1	
52 Isobutyl alcohol	41	5.478	5.466	0.012	94	530198	1000.0	968.7	
54 Benzene	78	5.585	5.585	0.000	97	3196092	40.0	40.2	
53 1,2-Dichloroethane	62	5.632	5.632	0.000	97	1034413	40.0	39.0	
56 n-Heptane	57	5.822	5.822	0.000	92	675481	40.0	43.2	
58 Trichloroethene	130	6.154	6.154	0.000	97	844884	40.0	40.9	
60 Methylcyclohexane	83	6.356	6.355	0.001	90	1507102	40.0	43.1	
61 1,2-Dichloropropane	63	6.379	6.379	0.000	94	766906	40.0	40.9	
64 1,4-Dioxane	88	6.427	6.427	0.000	90	194270	800.0	857.4	
63 Dibromomethane	93	6.450	6.450	0.000	95	435944	40.0	37.9	
65 Dichlorobromomethane	83	6.605	6.604	0.001	99	1020084	40.0	38.1	
67 2-Chloroethyl vinyl ether	63	6.830	6.830	0.000	93	942860	80.0	87.6	
68 cis-1,3-Dichloropropene	75	6.984	6.984	0.000	95	1293185	40.0	41.8	
69 4-Methyl-2-pentanone (MIBK)	43	7.103	7.102	0.001	95	1171893	80.0	82.8	
70 Toluene	91	7.281	7.280	0.001	99	3419906	40.0	40.7	
71 trans-1,3-Dichloropropene	75	7.482	7.482	0.000	94	1194300	40.0	45.3	
72 Ethyl methacrylate	69	7.518	7.518	0.000	88	841290	40.0	40.5	
73 1,1,2-Trichloroethane	97	7.672	7.672	0.000	91	628571	40.0	43.9	
75 Tetrachloroethene	164	7.755	7.755	0.000	98	665975	40.0	42.7	
74 1,3-Dichloropropane	76	7.814	7.814	0.000	90	1150782	40.0	44.0	
76 2-Hexanone	43	7.850	7.850	0.000	94	804845	80.0	83.1	
78 Chlorodibromomethane	129	8.016	8.016	0.000	90	719406	40.0	43.5	
80 Ethylene Dibromide	107	8.134	8.134	0.000	98	643259	40.0	45.1	
82 Chlorobenzene	112	8.585	8.585	0.000	95	2158356	40.0	40.3	
83 1,1,1,2-Tetrachloroethane	131	8.668	8.668	0.000	95	735555	40.0	44.2	
84 Ethylbenzene	106	8.668	8.668	0.000	99	1220792	40.0	40.2	
85 m-Xylene & p-Xylene	106	8.798	8.798	0.000	97	1532809	40.0	40.0	
86 o-Xylene	106	9.166	9.166	0.000	96	1460001	40.0	40.4	
87 Styrene	104	9.178	9.178	0.000	95	2256578	40.0	40.8	
88 Bromoform	173	9.368	9.367	0.001	97	461087	40.0	45.6	
89 Isopropylbenzene	105	9.510	9.510	0.000	96	3860053	40.0	40.7	
92 1,1,2,2-Tetrachloroethane	83	9.806	9.806	0.000	94	754279	40.0	42.9	
93 Bromobenzene	156	9.842	9.842	0.000	95	865867	40.0	41.1	
94 trans-1,4-Dichloro-2-butene	53	9.854	9.854	0.000	86	258094	40.0	43.3	
95 1,2,3-Trichloropropane	110	9.878	9.877	0.001	81	253835	40.0	44.2	
96 N-Propylbenzene	120	9.925	9.925	0.000	99	1111645	40.0	41.2	
97 2-Chlorotoluene	126	10.020	10.020	0.000	96	900313	40.0	41.2	
99 1,3,5-Trimethylbenzene	105	10.091	10.091	0.000	94	3278175	40.0	40.6	
100 4-Chlorotoluene	126	10.138	10.138	0.000	97	930696	40.0	40.8	
102 tert-Butylbenzene	119	10.411	10.411	0.000	93	2830331	40.0	40.7	
104 1,2,4-Trimethylbenzene	105	10.470	10.470	0.000	97	3296449	40.0	40.4	
105 sec-Butylbenzene	105	10.625	10.624	0.001	94	4260996	40.0	40.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	10.755	10.755	0.000	98	1693004	40.0	40.2	
107 4-Isopropyltoluene	119	10.779	10.779	0.000	97	3660625	40.0	41.2	
108 1,4-Dichlorobenzene	146	10.862	10.862	0.000	96	1709091	40.0	40.4	
111 n-Butylbenzene	91	11.182	11.182	0.000	97	3310304	40.0	41.2	
112 1,2-Dichlorobenzene	146	11.218	11.217	0.001	97	1564238	40.0	40.1	
113 1,2-Dibromo-3-Chloropropane	157	12.000	12.000	0.000	86	181905	40.0	43.9	
115 1,2,4-Trichlorobenzene	180	12.830	12.830	0.000	94	937434	40.0	41.4	
116 Hexachlorobutadiene	225	12.973	12.972	0.001	97	426502	40.0	41.8	
117 Naphthalene	128	13.115	13.115	0.000	97	2424480	40.0	42.1	
118 1,2,3-Trichlorobenzene	180	13.352	13.352	0.000	96	794246	40.0	41.3	
S 134 Trihalomethanes, Total	1				0		160.0	163.8	
S 158 Total BTEX	1				0		200.0	201.4	
S 131 1,2-Dichloroethene, Total	96				0			75.1	
S 132 1,3-Dichloropropene, Total	75				0			87.1	
S 133 Xylenes, Total	106				0		80.0	80.3	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

Reagents:

vmrgas_00382	Amount Added:	32.00	Units: uL
vmarolistdw_00389	Amount Added:	32.00	Units: uL
vmrprimw_00432	Amount Added:	32.00	Units: uL
vm50ss_00439	Amount Added:	32.00	Units: uL
vm50is_stk_a_00008	Amount Added:	2.00	Units: uL

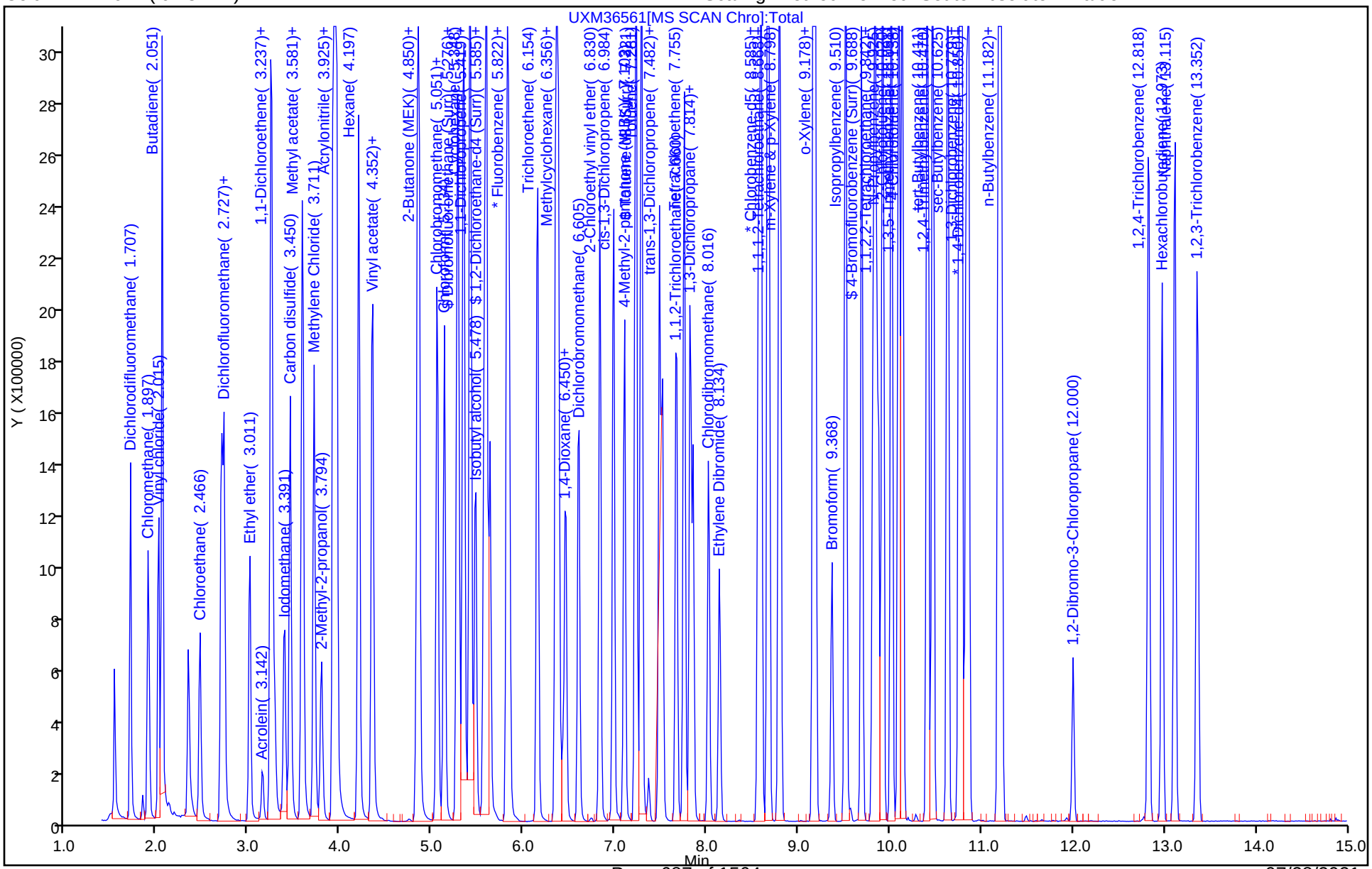
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Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36561.D

Injection Date:	23-Apr-2021 12:52:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	std8260 L6			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



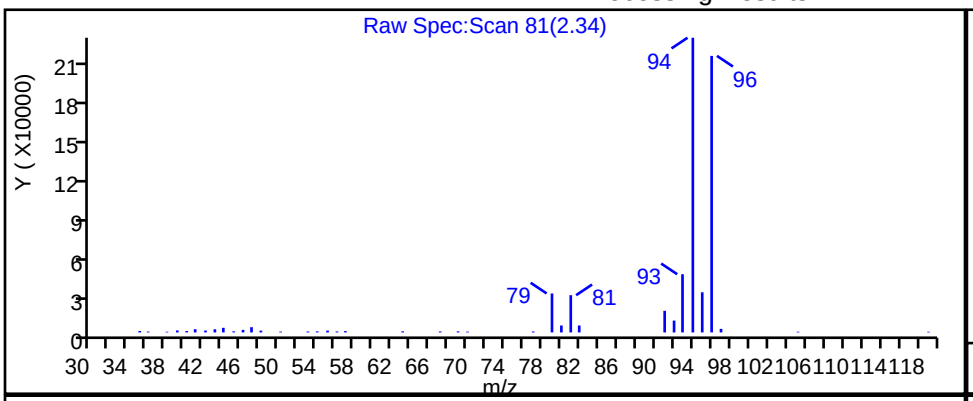
User Disabled Compound Report

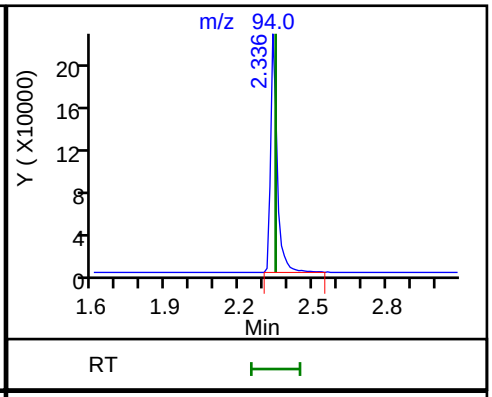
Eurofins TestAmerica, Canton

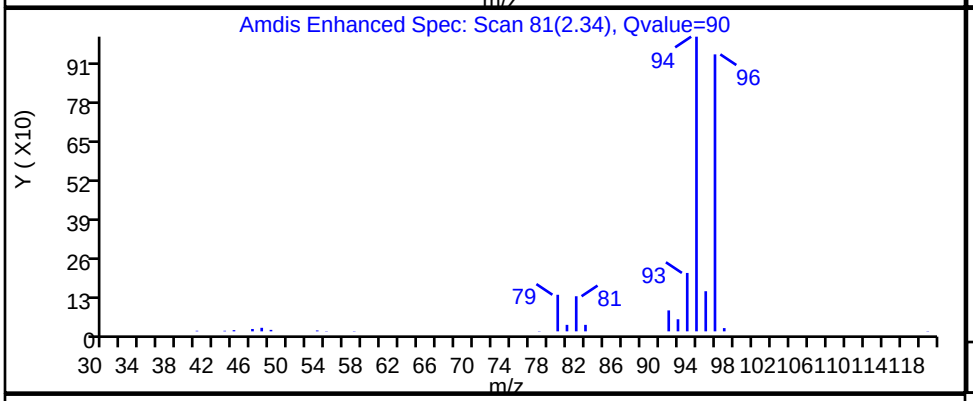
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Injection Date: 23-Apr-2021 12:52:30 Instrument ID: A3UX16
Lims ID: std8260 L6
Client ID:
Operator ID: 001765 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

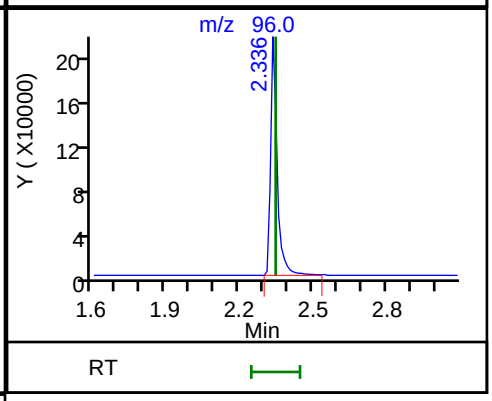
13 Bromomethane, CAS: 74-83-9

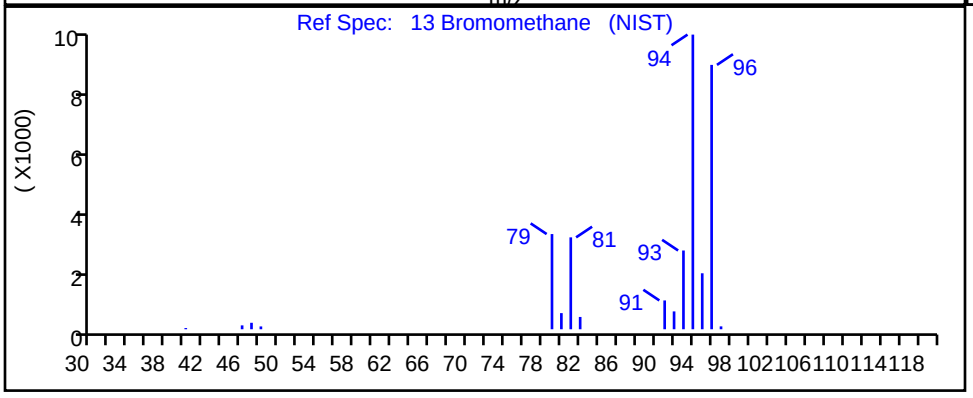
Processing Results











RT	Mass	Response	Amount
2.34	94.00	428952	32.445938
2.34	96.00	402631	

Reviewer: bosworthh, 23-Apr-2021 14:55:32
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36562.D
Lims ID: ICIS L5
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 23-Apr-2021 13:16:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0108510-012
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub69

Method: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Apr-2021 08:33:57 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: bosworthh Date: 23-Apr-2021 13:38:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.845	5.845	0.000	99	1453811	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	87	1138182	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	95	621051	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.264	5.264	0.000	94	354490	20.0	20.1	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	416738	20.0	20.0	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1412859	20.0	20.4	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	86	530933	20.0	19.9	
9 Dichlorodifluoromethane	85	1.707	1.707	0.000	99	521337	20.0	19.9	
10 Chloromethane	50	1.897	1.897	0.000	99	516784	20.0	19.2	
11 Vinyl chloride	62	2.015	2.015	0.000	98	528137	20.0	19.7	
12 Butadiene	54	2.051	2.051	0.000	98	497027	20.0	19.1	
13 Bromomethane	94	2.347	2.347	0.000	90	290069	20.0	19.2	
14 Chloroethane	64	2.466	2.466	0.000	99	302707	20.0	20.2	
15 Dichlorofluoromethane	67	2.703	2.703	0.000	97	673250	20.0	19.7	
16 Trichlorofluoromethane	101	2.727	2.727	0.000	97	599691	20.0	20.6	
17 Ethyl ether	59	3.011	3.011	0.000	89	266538	20.0	20.5	
18 Acrolein	56	3.142	3.142	0.000	99	76326	100.0	96.0	
19 1,1-Dichloroethene	96	3.237	3.237	0.000	98	314864	20.0	19.5	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.248	3.248	0.000	93	228650	20.0	18.2	
21 Acetone	58	3.284	3.284	0.000	100	57286	40.0	41.9	
23 Iodomethane	142	3.391	3.391	0.000	97	438172	20.0	20.4	
24 Carbon disulfide	76	3.450	3.450	0.000	99	1044507	20.0	19.7	
27 Methyl acetate	43	3.569	3.569	0.000	97	462809	40.0	38.4	
26 3-Chloro-1-propene	41	3.592	3.592	0.000	90	558975	20.0	19.8	
28 Methylene Chloride	84	3.711	3.711	0.000	92	367525	20.0	19.2	
29 2-Methyl-2-propanol	59	3.794	3.794	0.000	98	309438	200.0	194.0	
30 Acrylonitrile	53	3.924	3.924	0.000	99	1280837	200.0	194.0	
31 Methyl tert-butyl ether	73	3.936	3.936	0.000	94	924323	20.0	20.6	
32 trans-1,2-Dichloroethene	96	3.960	3.960	0.000	99	378740	20.0	19.6	
33 Hexane	57	4.197	4.197	0.000	91	432385	20.0	16.9	
35 Vinyl acetate	43	4.339	4.339	0.000	97	422523	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
34 1,1-Dichloroethane	63	4.351	4.351	0.000	96	663468	20.0	19.5	
40 2-Butanone (MEK)	72	4.826	4.826	0.000	99	70697	40.0	41.3	
39 cis-1,2-Dichloroethene	96	4.849	4.849	0.000	82	417324	20.0	19.4	
41 2,2-Dichloropropane	77	4.849	4.849	0.000	87	599623	20.0	20.1	
45 Chlorobromomethane	128	5.051	5.051	0.000	97	186898	20.0	19.7	
46 Tetrahydrofuran	42	5.063	5.063	0.000	85	176066	40.0	36.0	
47 Chloroform	83	5.134	5.134	0.000	94	641693	20.0	19.3	
48 1,1,1-Trichloroethane	97	5.288	5.288	0.000	99	567341	20.0	19.8	
49 Cyclohexane	56	5.347	5.347	0.000	89	575608	20.0	18.2	
51 Carbon tetrachloride	117	5.419	5.419	0.000	89	477414	20.0	20.3	
50 1,1-Dichloropropene	75	5.419	5.419	0.000	94	509778	20.0	20.6	
52 Isobutyl alcohol	41	5.466	5.466	0.000	94	218878	500.0	433.4	
54 Benzene	78	5.585	5.585	0.000	97	1473638	20.0	20.1	
53 1,2-Dichloroethane	62	5.632	5.632	0.000	98	491692	20.0	20.1	
56 n-Heptane	57	5.822	5.822	0.000	89	279763	20.0	17.3	
58 Trichloroethene	130	6.154	6.154	0.000	97	387000	20.0	20.3	
60 Methylcyclohexane	83	6.355	6.355	0.000	89	584351	20.0	18.1	
61 1,2-Dichloropropane	63	6.379	6.379	0.000	95	353789	20.0	20.4	
64 1,4-Dioxane	88	6.427	6.427	0.000	91	84760	400.0	405.4	
63 Dibromomethane	93	6.450	6.450	0.000	94	208931	20.0	19.7	
65 Dichlorobromomethane	83	6.604	6.604	0.000	99	481632	20.0	19.5	
67 2-Chloroethyl vinyl ether	63	6.830	6.830	0.000	93	407001	40.0	41.0	
68 cis-1,3-Dichloropropene	75	6.984	6.984	0.000	95	588401	20.0	20.6	
69 4-Methyl-2-pentanone (MIBK)	43	7.102	7.102	0.000	96	513998	40.0	39.3	
70 Toluene	91	7.280	7.280	0.000	99	1602590	20.0	19.7	
71 trans-1,3-Dichloropropene	75	7.482	7.482	0.000	94	526075	20.0	20.6	
72 Ethyl methacrylate	69	7.518	7.518	0.000	89	394251	20.0	19.5	
73 1,1,2-Trichloroethane	97	7.672	7.672	0.000	91	280265	20.0	20.1	
75 Tetrachloroethene	164	7.755	7.755	0.000	98	303515	20.0	20.0	
74 1,3-Dichloropropane	76	7.814	7.814	0.000	90	525336	20.0	20.7	
76 2-Hexanone	43	7.850	7.850	0.000	95	360081	40.0	38.3	
78 Chlorodibromomethane	129	8.016	8.016	0.000	91	324212	20.0	20.2	
80 Ethylene Dibromide	107	8.134	8.134	0.000	98	287346	20.0	20.7	
82 Chlorobenzene	112	8.585	8.585	0.000	94	1014472	20.0	19.5	
83 1,1,1,2-Tetrachloroethane	131	8.668	8.668	0.000	96	329931	20.0	20.4	
84 Ethylbenzene	106	8.668	8.668	0.000	99	587535	20.0	19.9	
85 m-Xylene & p-Xylene	106	8.798	8.798	0.000	98	732693	20.0	19.7	
86 o-Xylene	106	9.166	9.166	0.000	97	687726	20.0	19.6	
87 Styrene	104	9.178	9.178	0.000	94	1073705	20.0	20.0	
88 Bromoform	173	9.367	9.367	0.000	97	201839	20.0	20.6	
89 Isopropylbenzene	105	9.510	9.510	0.000	96	1847145	20.0	20.0	
92 1,1,2,2-Tetrachloroethane	83	9.806	9.806	0.000	94	347786	20.0	20.2	
93 Bromobenzene	156	9.842	9.842	0.000	95	416341	20.0	20.2	
94 trans-1,4-Dichloro-2-butene	53	9.854	9.854	0.000	84	113297	20.0	19.4	
95 1,2,3-Trichloropropane	110	9.877	9.877	0.000	78	111200	20.0	19.8	
96 N-Propylbenzene	120	9.925	9.925	0.000	99	521484	20.0	19.8	
97 2-Chlorotoluene	126	10.020	10.020	0.000	96	422313	20.0	19.8	
99 1,3,5-Trimethylbenzene	105	10.091	10.091	0.000	94	1563229	20.0	19.8	
100 4-Chlorotoluene	126	10.138	10.138	0.000	97	452436	20.0	20.3	
102 tert-Butylbenzene	119	10.411	10.411	0.000	93	1352121	20.0	19.9	
104 1,2,4-Trimethylbenzene	105	10.470	10.470	0.000	97	1592750	20.0	19.9	
105 sec-Butylbenzene	105	10.624	10.624	0.000	95	2026875	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
106 1,3-Dichlorobenzene	146	10.755	10.755	0.000	98	813006	20.0	19.7	
107 4-Isopropyltoluene	119	10.779	10.779	0.000	97	1753476	20.0	20.2	
108 1,4-Dichlorobenzene	146	10.862	10.862	0.000	96	818933	20.0	19.8	
111 n-Butylbenzene	91	11.182	11.182	0.000	97	1569935	20.0	20.0	
112 1,2-Dichlorobenzene	146	11.217	11.217	0.000	97	757042	20.0	19.8	
113 1,2-Dibromo-3-Chloropropane	157	12.000	12.000	0.000	86	83908	20.0	20.7	
115 1,2,4-Trichlorobenzene	180	12.830	12.830	0.000	94	444480	20.0	20.1	
116 Hexachlorobutadiene	225	12.972	12.972	0.000	97	197666	20.0	19.8	
117 Naphthalene	128	13.115	13.115	0.000	97	1129929	20.0	20.1	
118 1,2,3-Trichlorobenzene	180	13.352	13.352	0.000	96	373719	20.0	19.9	
S 134 Trihalomethanes, Total	1				0		80.0	79.6	
S 158 Total BTEX	1				0		100.0	98.9	
S 133 Xylenes, Total	106				0		40.0	39.3	

QC Flag Legend

Processing Flags

Reagents:

vmrgas_00382	Amount Added:	16.00	Units: uL
vmarolistdw_00389	Amount Added:	16.00	Units: uL
vmrprimw_00432	Amount Added:	16.00	Units: uL
vm50ss_00439	Amount Added:	16.00	Units: uL
vm50is_stk_a_00008	Amount Added:	2.00	Units: uL

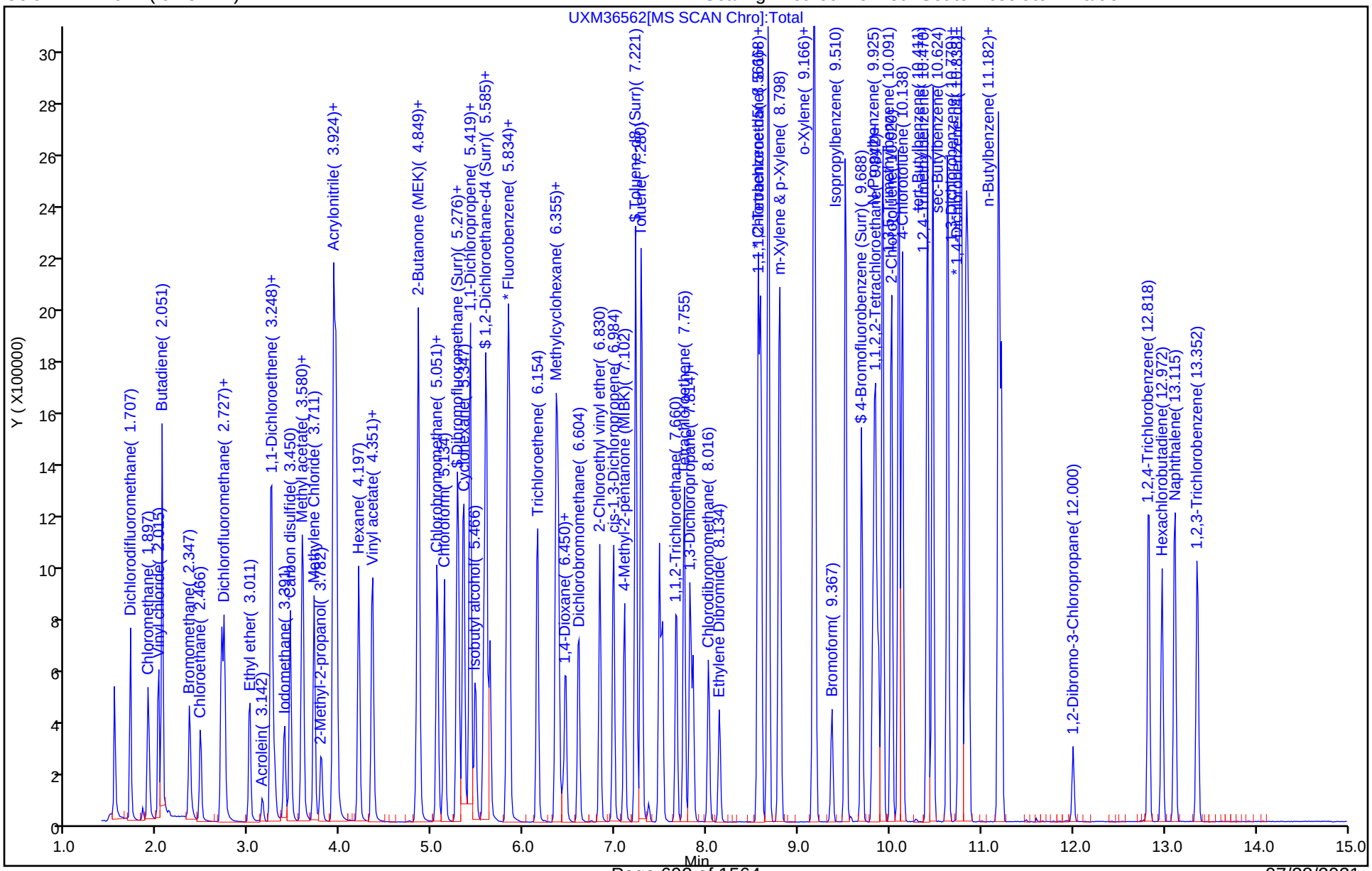
Report Date: 26-Apr-2021 08:33:59 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36562.D

Injection Date:	23-Apr-2021 13:16:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	ICIS L5			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36563.D
Lims ID: std8260 L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 23-Apr-2021 13:40:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0108510-013
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub69

Method: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Apr-2021 08:34:08 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: bosworthh Date: 23-Apr-2021 14:17:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.846	5.845	0.001	99	1407911	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	86	1113512	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	95	595960	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.264	5.264	0.000	93	173107	10.0	10.1	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	206531	10.0	10.2	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	689182	10.0	10.2	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	87	257143	10.0	9.85	
9 Dichlorodifluoromethane	85	1.707	1.707	0.000	99	254644	10.0	10.1	
10 Chloromethane	50	1.897	1.897	0.000	100	263016	10.0	10.1	
11 Vinyl chloride	62	2.015	2.015	0.000	98	267847	10.0	10.3	
12 Butadiene	54	2.051	2.051	0.000	98	248030	10.0	9.85	
13 Bromomethane	94	2.359	2.347	0.012	90	152735	10.0	10.2	
14 Chloroethane	64	2.478	2.466	0.012	100	148494	10.0	10.2	
15 Dichlorofluoromethane	67	2.703	2.703	0.000	97	332011	10.0	10.0	
16 Trichlorofluoromethane	101	2.727	2.727	0.000	99	292728	10.0	10.4	
17 Ethyl ether	59	3.011	3.011	0.000	89	133043	10.0	10.6	
18 Acrolein	56	3.142	3.142	0.000	99	40042	50.0	52.0	
19 1,1-Dichloroethene	96	3.237	3.237	0.000	98	158281	10.0	10.1	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.249	3.248	0.001	91	128614	10.0	10.6	
21 Acetone	58	3.284	3.284	0.000	100	29262	20.0	20.9	
23 Iodomethane	142	3.391	3.391	0.000	97	207946	10.0	10.0	
24 Carbon disulfide	76	3.450	3.450	0.000	99	523663	10.0	10.2	
27 Methyl acetate	43	3.569	3.569	0.000	97	238923	20.0	20.5	
26 3-Chloro-1-propene	41	3.592	3.592	0.000	90	276742	10.0	10.1	
28 Methylene Chloride	84	3.711	3.711	0.000	91	184603	10.0	9.96	
29 2-Methyl-2-propanol	59	3.782	3.794	-0.012	98	165085	100.0	106.9	
30 Acrylonitrile	53	3.924	3.924	0.000	100	664489	100.0	103.9	
31 Methyl tert-butyl ether	73	3.948	3.936	0.012	95	461885	10.0	10.7	
32 trans-1,2-Dichloroethene	96	3.960	3.960	0.000	99	188448	10.0	10.0	
33 Hexane	57	4.197	4.197	0.000	92	247142	10.0	10.0	
35 Vinyl acetate	43	4.340	4.339	0.001	97	195424	10.0	9.59	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 1,1-Dichloroethane	63	4.351	4.351	0.000	96	328532	10.0	9.96	
40 2-Butanone (MEK)	72	4.826	4.826	0.000	99	33818	20.0	20.4	
39 cis-1,2-Dichloroethene	96	4.849	4.849	0.000	82	207739	10.0	9.98	
41 2,2-Dichloropropane	77	4.849	4.849	0.000	87	297447	10.0	10.3	
45 Chlorobromomethane	128	5.051	5.051	0.000	98	93795	10.0	10.2	
46 Tetrahydrofuran	42	5.063	5.063	0.000	86	97770	20.0	20.7	
47 Chloroform	83	5.134	5.134	0.000	94	323587	10.0	10.1	
48 1,1,1-Trichloroethane	97	5.288	5.288	0.000	98	280774	10.0	10.1	
49 Cyclohexane	56	5.347	5.347	0.000	89	319119	10.0	10.4	
51 Carbon tetrachloride	117	5.419	5.419	0.000	89	239938	10.0	10.5	
50 1,1-Dichloropropene	75	5.419	5.419	0.000	94	250312	10.0	10.5	
52 Isobutyl alcohol	41	5.466	5.466	0.000	94	115884	250.0	236.9	
54 Benzene	78	5.585	5.585	0.000	96	725305	10.0	10.2	
53 1,2-Dichloroethane	62	5.632	5.632	0.000	98	248188	10.0	10.5	
56 n-Heptane	57	5.822	5.822	0.000	90	180723	10.0	10.2	
58 Trichloroethene	130	6.154	6.154	0.000	96	193060	10.0	10.4	
60 Methylcyclohexane	83	6.355	6.355	0.000	90	326060	10.0	10.4	
61 1,2-Dichloropropane	63	6.379	6.379	0.000	93	172735	10.0	10.3	
64 1,4-Dioxane	88	6.427	6.427	0.000	92	43100	200.0	212.9	
63 Dibromomethane	93	6.450	6.450	0.000	95	104904	10.0	10.2	
65 Dichlorobromomethane	83	6.604	6.604	0.000	99	241373	10.0	10.1	
67 2-Chloroethyl vinyl ether	63	6.830	6.830	0.000	93	203564	20.0	21.2	
68 cis-1,3-Dichloropropene	75	6.984	6.984	0.000	95	286830	10.0	10.4	
69 4-Methyl-2-pentanone (MIBK)	43	7.103	7.102	0.001	95	264982	20.0	20.9	
70 Toluene	91	7.280	7.280	0.000	98	800365	10.0	10.0	
71 trans-1,3-Dichloropropene	75	7.482	7.482	0.000	94	257488	10.0	10.3	
72 Ethyl methacrylate	69	7.518	7.518	0.000	88	203244	10.0	10.3	
73 1,1,2-Trichloroethane	97	7.672	7.672	0.000	91	138281	10.0	10.2	
75 Tetrachloroethene	164	7.755	7.755	0.000	98	153170	10.0	10.3	
74 1,3-Dichloropropane	76	7.814	7.814	0.000	90	260529	10.0	10.5	
76 2-Hexanone	43	7.850	7.850	0.000	94	191609	20.0	20.8	
78 Chlorodibromomethane	129	8.016	8.016	0.000	91	157565	10.0	10.0	
80 Ethylene Dibromide	107	8.134	8.134	0.000	98	143933	10.0	10.6	
82 Chlorobenzene	112	8.597	8.585	0.012	98	516913	10.0	10.2	
83 1,1,1,2-Tetrachloroethane	131	8.668	8.668	0.000	95	160763	10.0	10.2	
84 Ethylbenzene	106	8.668	8.668	0.000	99	288952	10.0	10.0	
85 m-Xylene & p-Xylene	106	8.798	8.798	0.000	97	369677	10.0	10.1	
86 o-Xylene	106	9.166	9.166	0.000	97	350387	10.0	10.2	
87 Styrene	104	9.178	9.178	0.000	94	531972	10.0	10.1	
88 Bromoform	173	9.368	9.367	0.001	96	97882	10.0	10.2	
89 Isopropylbenzene	105	9.510	9.510	0.000	96	911890	10.0	10.1	
92 1,1,2,2-Tetrachloroethane	83	9.806	9.806	0.000	95	169732	10.0	10.3	
93 Bromobenzene	156	9.842	9.842	0.000	95	204220	10.0	10.3	
94 trans-1,4-Dichloro-2-butene	53	9.854	9.854	0.000	85	58039	10.0	10.4	
95 1,2,3-Trichloropropane	110	9.877	9.877	0.000	81	57381	10.0	10.6	
96 N-Propylbenzene	120	9.925	9.925	0.000	99	259411	10.0	10.2	
97 2-Chlorotoluene	126	10.020	10.020	0.000	97	212531	10.0	10.4	
99 1,3,5-Trimethylbenzene	105	10.091	10.091	0.000	94	781718	10.0	10.3	
100 4-Chlorotoluene	126	10.138	10.138	0.000	97	221271	10.0	10.3	
102 tert-Butylbenzene	119	10.411	10.411	0.000	93	668122	10.0	10.2	
104 1,2,4-Trimethylbenzene	105	10.470	10.470	0.000	97	789125	10.0	10.3	
105 sec-Butylbenzene	105	10.625	10.624	0.000	95	1000010	10.0	10.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	10.755	10.755	0.000	97	403771	10.0	10.2	
107 4-Isopropyltoluene	119	10.779	10.779	0.000	97	870228	10.0	10.4	
108 1,4-Dichlorobenzene	146	10.862	10.862	0.000	96	410444	10.0	10.3	
111 n-Butylbenzene	91	11.182	11.182	0.000	97	781965	10.0	10.4	
112 1,2-Dichlorobenzene	146	11.217	11.217	0.000	98	381974	10.0	10.4	
113 1,2-Dibromo-3-Chloropropane	157	12.000	12.000	0.000	85	42932	10.0	11.1	
115 1,2,4-Trichlorobenzene	180	12.830	12.830	0.000	95	219931	10.0	10.3	
116 Hexachlorobutadiene	225	12.972	12.972	0.000	97	100050	10.0	10.4	
117 Naphthalene	128	13.115	13.115	0.000	97	577841	10.0	10.7	
118 1,2,3-Trichlorobenzene	180	13.364	13.352	0.012	95	190066	10.0	10.5	
S 134 Trihalomethanes, Total	1				0		40.0	40.4	
S 158 Total BTEX	1				0		50.0	50.6	
S 131 1,2-Dichloroethene, Total	96				0			20.0	
S 132 1,3-Dichloropropene, Total	75				0			20.7	
S 133 Xylenes, Total	106				0		20.0	20.4	

QC Flag Legend

Processing Flags

Reagents:

vmrgas_00382	Amount Added:	8.00	Units: uL
vmarolistdw_00389	Amount Added:	8.00	Units: uL
vmrprimw_00432	Amount Added:	8.00	Units: uL
vm50ss_00439	Amount Added:	8.00	Units: uL
vm50is_stk_a_00008	Amount Added:	2.00	Units: uL

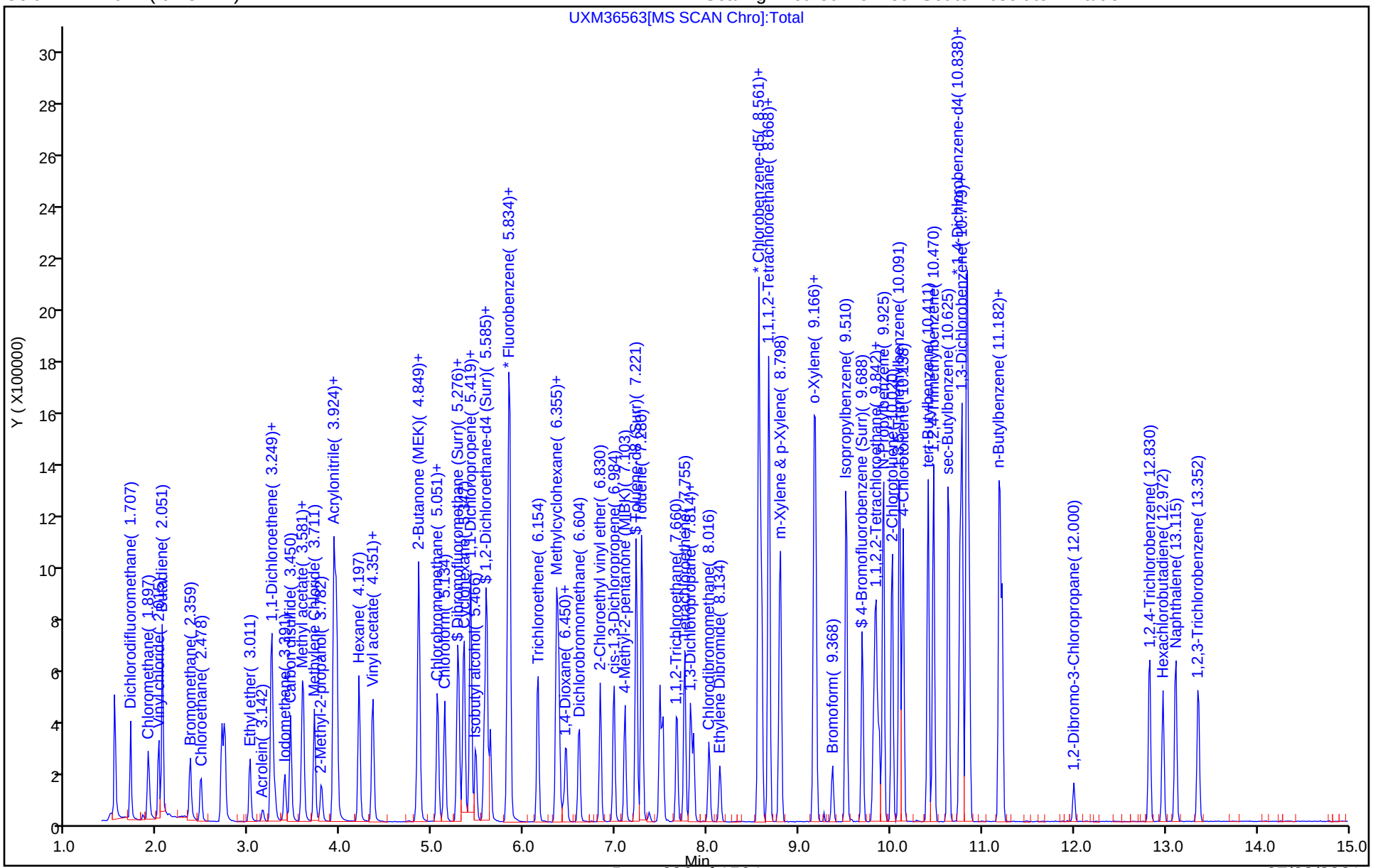
Report Date: 26-Apr-2021 08:34:09 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36563.D

Injection Date:	23-Apr-2021 13:40:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	std8260 L4			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36564.D
Lims ID: std8260 L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 23-Apr-2021 14:04:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0108510-014
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub69

Method: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Apr-2021 08:34:17 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: bosworthh Date: 23-Apr-2021 14:21:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.846	5.845	0.001	99	1285831	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	86	1036972	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	95	561078	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.265	5.264	0.001	93	85262	5.00	5.46	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	101326	5.00	5.50	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	339137	5.00	5.36	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	89	130869	5.00	5.38	
9 Dichlorodifluoromethane	85	1.707	1.707	0.000	99	124485	5.00	5.38	
10 Chloromethane	50	1.897	1.897	0.000	99	131139	5.00	5.50	
11 Vinyl chloride	62	2.015	2.015	0.000	98	131472	5.00	5.55	
12 Butadiene	54	2.051	2.051	0.000	98	123470	5.00	5.37	
13 Bromomethane	94	2.359	2.347	0.012	90	77394	5.00	5.48	
14 Chloroethane	64	2.478	2.466	0.012	100	69524	5.00	5.23	
15 Dichlorofluoromethane	67	2.703	2.703	0.000	97	161927	5.00	5.36	
16 Trichlorofluoromethane	101	2.727	2.727	0.000	98	140019	5.00	5.44	
17 Ethyl ether	59	3.011	3.011	0.000	91	61706	5.00	5.38	
18 Acrolein	56	3.154	3.142	0.012	97	19008	25.0	27.0	
19 1,1-Dichloroethene	96	3.237	3.237	0.000	98	80095	5.00	5.61	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.249	3.248	0.001	92	64382	5.00	5.79	
21 Acetone	58	3.284	3.284	0.000	99	14891	10.0	10.5	
23 Iodomethane	142	3.391	3.391	0.000	97	99622	5.00	5.25	
24 Carbon disulfide	76	3.450	3.450	0.000	99	261190	5.00	5.58	
27 Methyl acetate	43	3.569	3.569	0.000	97	111187	10.0	10.4	
26 3-Chloro-1-propene	41	3.592	3.592	0.000	89	139897	5.00	5.61	
28 Methylene Chloride	84	3.711	3.711	0.000	92	92507	5.00	5.46	
29 2-Methyl-2-propanol	59	3.794	3.794	0.000	98	73438	50.0	52.0	
30 Acrylonitrile	53	3.925	3.924	0.001	98	305445	50.0	52.3	
31 Methyl tert-butyl ether	73	3.948	3.936	0.012	96	211246	5.00	5.33	
32 trans-1,2-Dichloroethene	96	3.960	3.960	0.000	98	95348	5.00	5.57	
33 Hexane	57	4.197	4.197	0.000	92	117310	5.00	5.20	
35 Vinyl acetate	43	4.340	4.339	0.001	97	77689	5.00	4.53	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 1,1-Dichloroethane	63	4.351	4.351	0.000	97	166953	5.00	5.54	
40 2-Butanone (MEK)	72	4.826	4.826	0.000	99	14532	10.0	9.60	
39 cis-1,2-Dichloroethene	96	4.849	4.849	0.000	82	100880	5.00	5.31	
41 2,2-Dichloropropane	77	4.849	4.849	0.000	87	143169	5.00	5.42	
45 Chlorobromomethane	128	5.051	5.051	0.000	99	45439	5.00	5.41	
46 Tetrahydrofuran	42	5.063	5.063	0.000	86	44420	10.0	10.3	
47 Chloroform	83	5.134	5.134	0.000	95	161649	5.00	5.50	
48 1,1,1-Trichloroethane	97	5.288	5.288	0.000	99	139010	5.00	5.49	
49 Cyclohexane	56	5.348	5.347	0.001	88	159570	5.00	5.70	
51 Carbon tetrachloride	117	5.419	5.419	0.000	90	115116	5.00	5.54	
50 1,1-Dichloropropene	75	5.419	5.419	0.000	95	117502	5.00	5.38	
52 Isobutyl alcohol	41	5.478	5.466	0.012	94	53023	125.0	118.7	
54 Benzene	78	5.585	5.585	0.000	97	347008	5.00	5.34	
53 1,2-Dichloroethane	62	5.632	5.632	0.000	98	122297	5.00	5.65	
56 n-Heptane	57	5.822	5.822	0.000	89	108563	5.00	5.41	
58 Trichloroethene	130	6.154	6.154	0.000	97	91508	5.00	5.42	
60 Methylcyclohexane	83	6.356	6.355	0.001	91	153952	5.00	5.40	
61 1,2-Dichloropropane	63	6.379	6.379	0.000	95	81893	5.00	5.35	
64 1,4-Dioxane	88	6.427	6.427	0.000	92	19790	100.0	107.0	
63 Dibromomethane	93	6.450	6.450	0.000	95	50215	5.00	5.34	
65 Dichlorobromomethane	83	6.605	6.604	0.001	99	120385	5.00	5.51	
67 2-Chloroethyl vinyl ether	63	6.830	6.830	0.000	92	92465	10.0	10.5	
68 cis-1,3-Dichloropropene	75	6.984	6.984	0.000	94	132008	5.00	5.23	
69 4-Methyl-2-pentanone (MIBK)	43	7.103	7.102	0.001	96	121526	10.0	10.5	
70 Toluene	91	7.280	7.280	0.000	98	393678	5.00	5.30	
71 trans-1,3-Dichloropropene	75	7.482	7.482	0.000	90	118531	5.00	5.08	
72 Ethyl methacrylate	69	7.518	7.518	0.000	89	91928	5.00	5.00	
73 1,1,2-Trichloroethane	97	7.672	7.672	0.000	89	65237	5.00	5.15	
75 Tetrachloroethene	164	7.755	7.755	0.000	98	72881	5.00	5.28	
74 1,3-Dichloropropane	76	7.814	7.814	0.000	89	118210	5.00	5.11	
76 2-Hexanone	43	7.850	7.850	0.000	95	92697	10.0	10.8	
78 Chlorodibromomethane	129	8.016	8.016	0.000	90	73945	5.00	5.05	
80 Ethylene Dibromide	107	8.134	8.134	0.000	98	64671	5.00	5.12	
82 Chlorobenzene	112	8.585	8.585	0.000	96	252747	5.00	5.33	
83 1,1,1,2-Tetrachloroethane	131	8.668	8.668	0.000	95	75635	5.00	5.14	
84 Ethylbenzene	106	8.680	8.668	0.012	98	143301	5.00	5.34	
85 m-Xylene & p-Xylene	106	8.798	8.798	0.000	97	180961	5.00	5.33	
86 o-Xylene	106	9.166	9.166	0.000	96	171869	5.00	5.37	
87 Styrene	104	9.178	9.178	0.000	94	254627	5.00	5.21	
88 Bromoform	173	9.368	9.367	0.001	96	44655	5.00	5.00	
89 Isopropylbenzene	105	9.510	9.510	0.000	95	452123	5.00	5.39	
92 1,1,2,2-Tetrachloroethane	83	9.806	9.806	0.000	95	79608	5.00	5.13	
93 Bromobenzene	156	9.842	9.842	0.000	96	101111	5.00	5.44	
94 trans-1,4-Dichloro-2-butene	53	9.854	9.854	0.000	70	27408	5.00	5.20	
95 1,2,3-Trichloropropane	110	9.878	9.877	0.001	82	25789	5.00	5.08	
96 N-Propylbenzene	120	9.925	9.925	0.000	99	127087	5.00	5.33	
97 2-Chlorotoluene	126	10.020	10.020	0.000	96	105569	5.00	5.47	
99 1,3,5-Trimethylbenzene	105	10.091	10.091	0.000	94	391874	5.00	5.50	
100 4-Chlorotoluene	126	10.138	10.138	0.000	97	109456	5.00	5.43	
102 tert-Butylbenzene	119	10.411	10.411	0.000	93	328982	5.00	5.35	
104 1,2,4-Trimethylbenzene	105	10.470	10.470	0.000	97	385275	5.00	5.34	
105 sec-Butylbenzene	105	10.625	10.624	0.001	94	491929	5.00	5.34	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	10.755	10.755	0.000	97	203505	5.00	5.47	
107 4-Isopropyltoluene	119	10.779	10.779	0.000	97	424655	5.00	5.41	
108 1,4-Dichlorobenzene	146	10.862	10.862	0.000	96	199899	5.00	5.35	
111 n-Butylbenzene	91	11.182	11.182	0.000	98	382172	5.00	5.39	
112 1,2-Dichlorobenzene	146	11.218	11.217	0.001	98	185101	5.00	5.37	
113 1,2-Dibromo-3-Chloropropane	157	12.000	12.000	0.000	85	19343	5.00	5.29	
115 1,2,4-Trichlorobenzene	180	12.830	12.830	0.000	93	105989	5.00	5.29	
116 Hexachlorobutadiene	225	12.973	12.972	0.001	98	48606	5.00	5.39	
117 Naphthalene	128	13.115	13.115	0.000	97	267630	5.00	5.26	
118 1,2,3-Trichlorobenzene	180	13.352	13.352	0.000	94	87985	5.00	5.18	
S 134 Trihalomethanes, Total	1				0		20.0	21.1	
S 158 Total BTEX	1				0		25.0	26.7	
S 131 1,2-Dichloroethene, Total	96				0			10.9	
S 132 1,3-Dichloropropene, Total	75				0			10.3	
S 133 Xylenes, Total	106				0		10.0	10.7	

QC Flag Legend

Processing Flags

Reagents:

vm50is_stk_a_00008	Amount Added:	2.00	Units: uL
vmrprimw_00432	Amount Added:	4.00	Units: uL
vmarolistdw_00389	Amount Added:	4.00	Units: uL
vmrgas_00382	Amount Added:	4.00	Units: uL
vm50ss_00439	Amount Added:	4.00	Units: uL

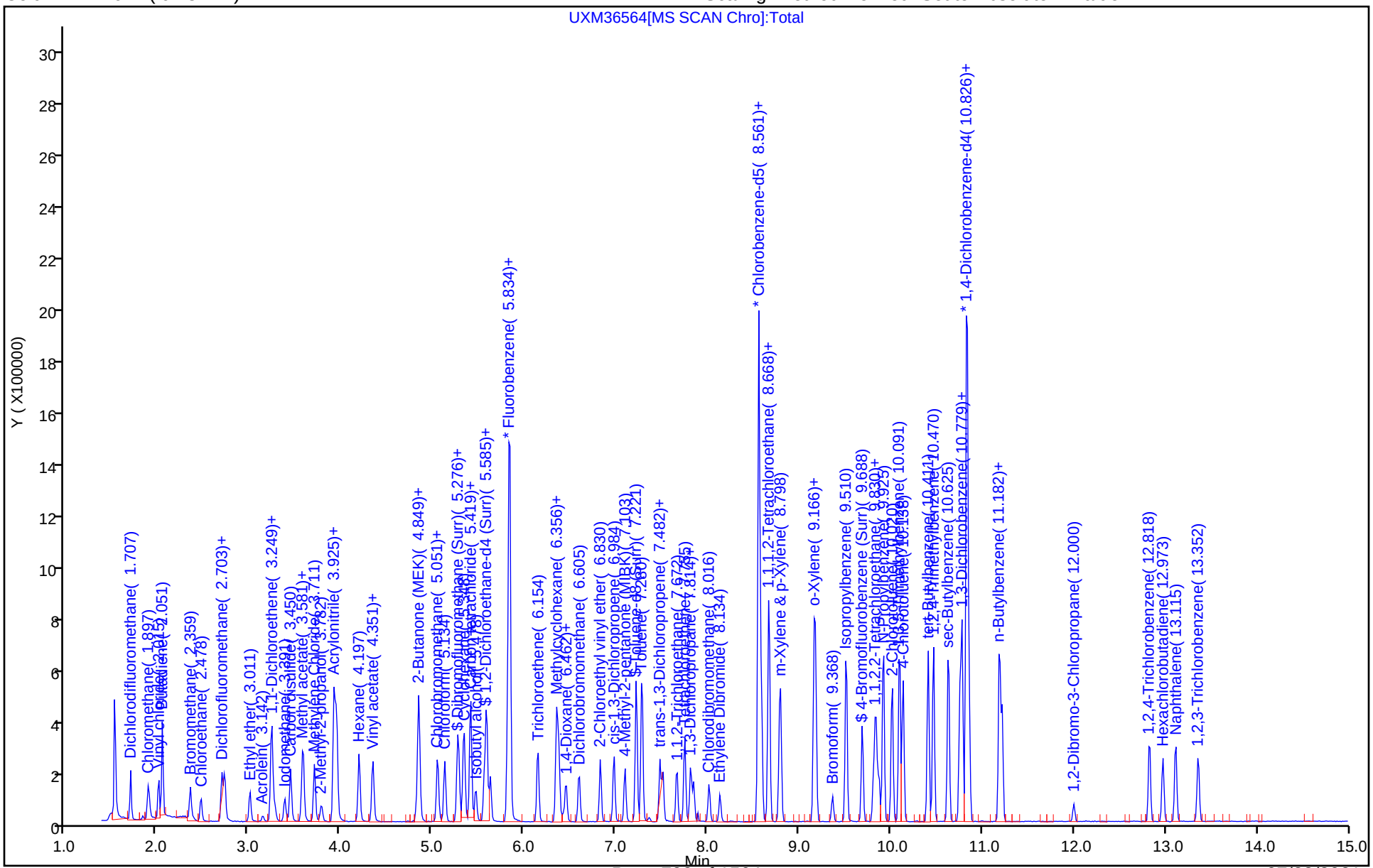
Report Date: 26-Apr-2021 08:34:19 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36564.D

Injection Date:	23-Apr-2021 14:04:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	std8260 L3			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36565.D
Lims ID: std8260 L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 23-Apr-2021 14:28:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0108510-015
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub69

Method: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Apr-2021 08:34:27 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: bosworthh Date: 23-Apr-2021 14:52:34

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.846	5.845	0.001	99	1133064	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	87	962589	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	95	537741	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.265	5.264	0.001	92	15176	1.00	1.10	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	97	16733	1.00	1.03	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	54747	1.00	0.9329	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	86	23238	1.00	1.03	
9 Dichlorodifluoromethane	85	1.707	1.707	0.000	99	23218	1.00	1.14	
10 Chloromethane	50	1.897	1.897	0.000	98	25267	1.00	1.20	
11 Vinyl chloride	62	2.015	2.015	0.000	98	22592	1.00	1.08	
12 Butadiene	54	2.051	2.051	0.000	97	23486	1.00	1.16	
13 Bromomethane	94	2.359	2.347	0.012	90	18466	1.00	1.14	
14 Chloroethane	64	2.478	2.466	0.012	98	12787	1.00	1.09	
15 Dichlorofluoromethane	67	2.703	2.703	0.000	97	30081	1.00	1.13	
16 Trichlorofluoromethane	101	2.739	2.727	0.012	98	24040	1.00	1.06	
17 Ethyl ether	59	3.011	3.011	0.000	86	9785	1.00	0.9675	
18 Acrolein	56	3.154	3.142	0.012	91	3319	5.00	5.36	
19 1,1-Dichloroethene	96	3.237	3.237	0.000	96	12685	1.00	1.01	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.249	3.248	0.001	92	9678	1.00	0.9870	
21 Acetone	58	3.284	3.284	0.000	100	4247	2.00	1.72	
23 Iodomethane	142	3.391	3.391	0.000	97	19491	1.00	1.17	
24 Carbon disulfide	76	3.450	3.450	0.000	100	45821	1.00	1.11	
27 Methyl acetate	43	3.581	3.569	0.012	97	20407	2.00	2.17	
26 3-Chloro-1-propene	41	3.592	3.592	0.000	88	25509	1.00	1.16	
28 Methylene Chloride	84	3.711	3.711	0.000	92	16215	1.00	1.09	
29 2-Methyl-2-propanol	59	3.794	3.794	0.000	97	12719	10.0	10.2	
30 Acrylonitrile	53	3.925	3.924	0.001	99	53687	10.0	10.4	
31 Methyl tert-butyl ether	73	3.948	3.936	0.012	96	29667	1.00	0.8501	
32 trans-1,2-Dichloroethene	96	3.960	3.960	0.000	97	15467	1.00	1.02	
33 Hexane	57	4.197	4.197	0.000	87	19699	1.00	0.99	
35 Vinyl acetate	43	4.340	4.339	0.001	53	8934	1.00	1.14	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 1,1-Dichloroethane	63	4.351	4.351	0.000	94	29277	1.00	1.10	
40 2-Butanone (MEK)	72	4.838	4.826	0.012	99	1825	2.00	1.37	
39 cis-1,2-Dichloroethene	96	4.849	4.849	0.000	83	18944	1.00	1.13	
41 2,2-Dichloropropane	77	4.849	4.849	0.000	90	23655	1.00	1.02	
45 Chlorobromomethane	128	5.051	5.051	0.000	96	8629	1.00	1.17	
46 Tetrahydrofuran	42	5.063	5.063	0.000	86	8899	2.00	2.34	
47 Chloroform	83	5.134	5.134	0.000	95	29860	1.00	1.15	
48 1,1,1-Trichloroethane	97	5.288	5.288	0.000	97	23594	1.00	1.06	
49 Cyclohexane	56	5.348	5.347	0.001	88	24144	1.00	0.9788	
51 Carbon tetrachloride	117	5.419	5.419	0.000	92	18014	1.00	0.9830	
50 1,1-Dichloropropene	75	5.419	5.419	0.000	93	17307	1.00	0.8986	
52 Isobutyl alcohol	41	5.466	5.466	0.000	89	14075	25.0	35.8	
54 Benzene	78	5.585	5.585	0.000	97	56037	1.00	0.9789	
53 1,2-Dichloroethane	62	5.632	5.632	0.000	97	19627	1.00	1.03	
56 n-Heptane	57	5.834	5.822	0.012	91	49864	1.00	0.9663	
58 Trichloroethene	130	6.154	6.154	0.000	96	14137	1.00	0.9505	
60 Methylcyclohexane	83	6.356	6.355	0.001	90	23099	1.00	0.9188	
61 1,2-Dichloropropane	63	6.379	6.379	0.000	94	13133	1.00	0.9732	
64 1,4-Dioxane	88	6.427	6.427	0.000	88	2633	20.0	16.2	
63 Dibromomethane	93	6.450	6.450	0.000	93	9051	1.00	1.09	
65 Dichlorobromomethane	83	6.605	6.604	0.001	98	19896	1.00	1.03	
67 2-Chloroethyl vinyl ether	63	6.830	6.830	0.000	93	12064	2.00	1.56	
68 cis-1,3-Dichloropropene	75	6.984	6.984	0.000	94	19993	1.00	0.8993	
69 4-Methyl-2-pentanone (MIBK)	43	7.103	7.102	0.001	94	18753	2.00	1.84	
70 Toluene	91	7.280	7.280	0.000	98	66231	1.00	0.9608	
71 trans-1,3-Dichloropropene	75	7.482	7.482	0.000	96	18104	1.00	0.8366	
72 Ethyl methacrylate	69	7.518	7.518	0.000	87	18212	1.00	1.07	
73 1,1,2-Trichloroethane	97	7.672	7.672	0.000	85	9762	1.00	0.8298	
75 Tetrachloroethene	164	7.755	7.755	0.000	92	12179	1.00	0.9510	
74 1,3-Dichloropropane	76	7.814	7.814	0.000	87	17833	1.00	0.8300	
76 2-Hexanone	43	7.850	7.850	0.000	93	14773	2.00	1.86	
78 Chlorodibromomethane	129	8.016	8.016	0.000	85	12319	1.00	0.9070	
80 Ethylene Dibromide	107	8.134	8.134	0.000	99	9680	1.00	0.8261	
82 Chlorobenzene	112	8.597	8.585	0.012	96	44323	1.00	1.01	
83 1,1,1,2-Tetrachloroethane	131	8.668	8.668	0.000	92	11657	1.00	0.8526	
84 Ethylbenzene	106	8.680	8.668	0.012	99	23957	1.00	0.9616	
85 m-Xylene & p-Xylene	106	8.798	8.798	0.000	97	30608	1.00	0.9719	
86 o-Xylene	106	9.166	9.166	0.000	96	29743	1.00	1.00	
87 Styrene	104	9.178	9.178	0.000	94	44392	1.00	0.9778	
88 Bromoform	173	9.368	9.367	0.001	93	6885	1.00	0.8302	
89 Isopropylbenzene	105	9.510	9.510	0.000	95	74680	1.00	0.9585	
92 1,1,2,2-Tetrachloroethane	83	9.818	9.806	0.012	93	12576	1.00	0.8448	
93 Bromobenzene	156	9.842	9.842	0.000	94	16470	1.00	0.9242	
94 trans-1,4-Dichloro-2-butene	53	9.854	9.854	0.000	79	4269	1.00	0.8455	
95 1,2,3-Trichloropropane	110	9.878	9.877	0.001	81	3883	1.00	0.7984	
96 N-Propylbenzene	120	9.925	9.925	0.000	99	22106	1.00	0.9677	
97 2-Chlorotoluene	126	10.020	10.020	0.000	96	18162	1.00	0.9812	
99 1,3,5-Trimethylbenzene	105	10.091	10.091	0.000	95	64863	1.00	0.9493	
100 4-Chlorotoluene	126	10.138	10.138	0.000	97	18685	1.00	0.9680	
102 tert-Butylbenzene	119	10.411	10.411	0.000	93	56751	1.00	0.9637	
104 1,2,4-Trimethylbenzene	105	10.470	10.470	0.000	97	67267	1.00	0.9728	
105 sec-Butylbenzene	105	10.636	10.624	0.012	94	85407	1.00	0.9672	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	10.755	10.755	0.000	97	35807	1.00	1.00	
107 4-Isopropyltoluene	119	10.779	10.779	0.000	98	71910	1.00	0.9557	
108 1,4-Dichlorobenzene	146	10.862	10.862	0.000	94	35098	1.00	0.9805	
111 n-Butylbenzene	91	11.182	11.182	0.000	98	63805	1.00	0.9385	
112 1,2-Dichlorobenzene	146	11.218	11.217	0.001	96	32551	1.00	0.9853	
113 1,2-Dibromo-3-Chloropropane	157	12.000	12.000	0.000	82	3317	1.00	0.9464	
115 1,2,4-Trichlorobenzene	180	12.830	12.830	0.000	93	18493	1.00	0.9637	
116 Hexachlorobutadiene	225	12.973	12.972	0.001	93	8126	1.00	0.9402	
117 Naphthalene	128	13.115	13.115	0.000	97	44555	1.00	0.9139	
118 1,2,3-Trichlorobenzene	180	13.352	13.352	0.000	94	16145	1.00	0.99	
S 134 Trihalomethanes, Total	1				0		4.00	3.92	
S 158 Total BTEX	1				0		5.00	4.88	
S 131 1,2-Dichloroethene, Total	96				0			2.16	
S 132 1,3-Dichloropropene, Total	75				0			1.74	
S 133 Xylenes, Total	106				0		2.00	1.97	

QC Flag Legend

Processing Flags

Reagents:

vmrgas_00382	Amount Added:	0.80	Units: uL
vmarolistdw_00389	Amount Added:	0.80	Units: uL
vmrprimw_00432	Amount Added:	0.80	Units: uL
vm50ss_00439	Amount Added:	0.80	Units: uL
vm50is_stk_a_00008	Amount Added:	2.00	Units: uL

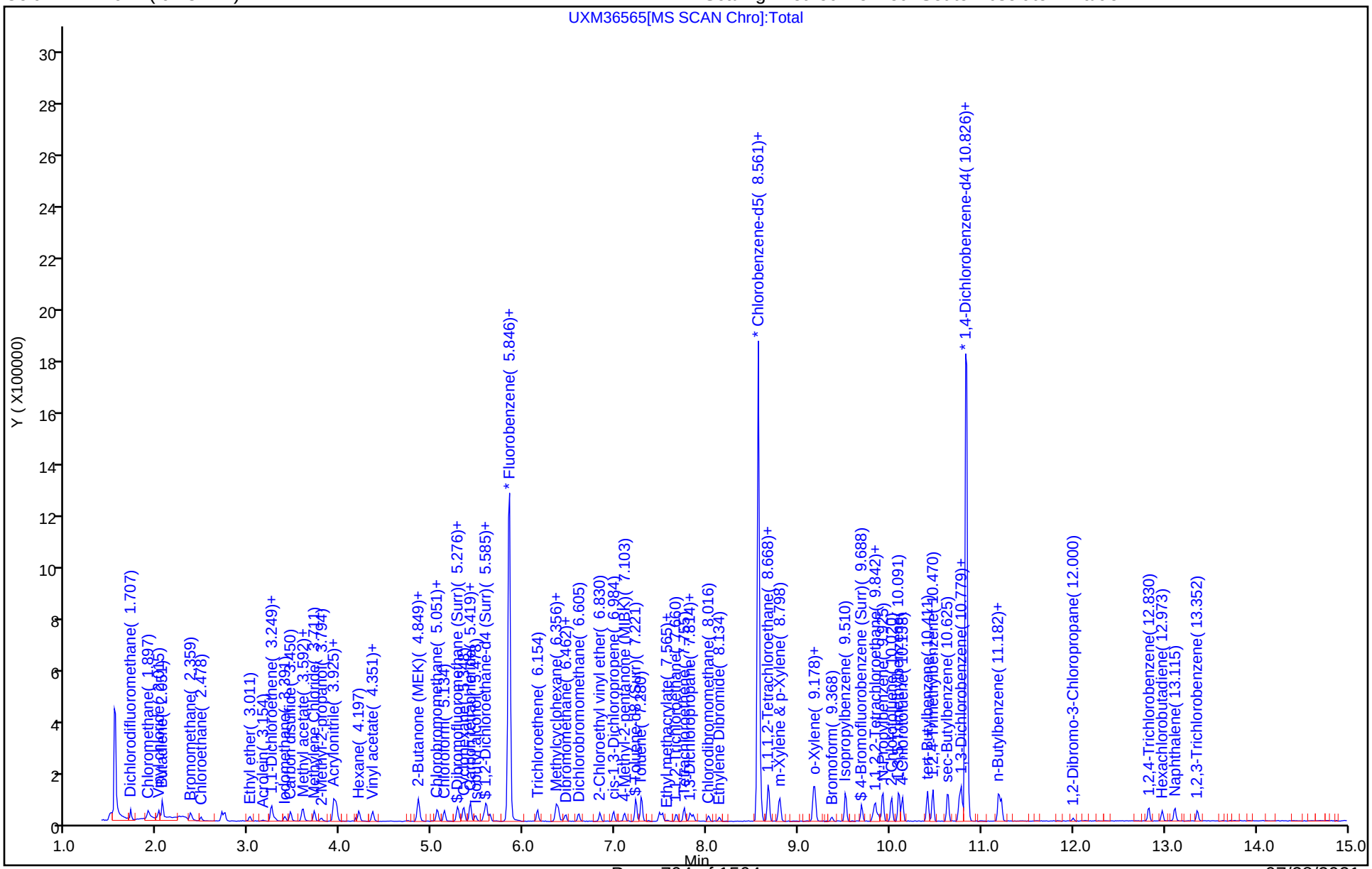
Report Date: 26-Apr-2021 08:34:28 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36565.D

Injection Date:	23-Apr-2021 14:28:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	std8260 L2			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36566.D
Lims ID: std8260 L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 23-Apr-2021 14:53:30 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0108510-016
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub69

Method: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Apr-2021 08:34:35 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: bosworthh Date: 23-Apr-2021 15:26:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.845	5.845	0.000	99	1103126	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	86	954643	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	95	526359	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.276	5.264	0.012	89	7223	0.5000	0.5395	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	97	8371	0.5000	0.5296	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	92	27159	0.5000	0.4667	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	84	10982	0.5000	0.4907	
9 Dichlorodifluoromethane	85	1.707	1.707	0.000	99	11341	0.5000	0.5717	
10 Chloromethane	50		1.897				ND	ND	U
11 Vinyl chloride	62	2.015	2.015	0.000	96	11420	0.5000	0.5622	
12 Butadiene	54	2.051	2.051	0.000	94	12352	0.5000	0.6261	
13 Bromomethane	94	2.359	2.347	0.012	90	9501	0.5000	0.3861	
14 Chloroethane	64	2.478	2.466	0.012	96	5618	0.5000	0.4929	
15 Dichlorofluoromethane	67	2.703	2.703	0.000	96	14721	0.5000	0.5684	
16 Trichlorofluoromethane	101	2.727	2.727	0.000	94	10912	0.5000	0.4944	
17 Ethyl ether	59	3.011	3.011	0.000	91	4633	0.5000	0.4705	
18 Acrolein	56	3.142	3.142	0.000	40	1531	2.50	2.54	
19 1,1-Dichloroethene	96	3.248	3.237	0.011	97	7231	0.5000	0.5900	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.248	3.248	0.000	65	4774	0.5000	0.5001	
21 Acetone	58		3.284				ND	ND	U
23 Iodomethane	142		3.391				ND	ND	U
24 Carbon disulfide	76	3.450	3.450	0.000	99	21850	0.5000	0.5443	
27 Methyl acetate	43		3.569				ND	ND	U
26 3-Chloro-1-propene	41		3.592				ND	ND	U
28 Methylene Chloride	84	3.711	3.711	0.000	89	8927	0.5000	0.6147	
29 2-Methyl-2-propanol	59	3.794	3.794	0.000	96	5433	5.00	4.49	
30 Acrylonitrile	53	3.924	3.924	0.000	99	26080	5.00	5.21	
31 Methyl tert-butyl ether	73	3.948	3.936	0.012	96	13713	0.5000	0.4036	
32 trans-1,2-Dichloroethene	96	3.960	3.960	0.000	97	8230	0.5000	0.5600	
33 Hexane	57	4.197	4.197	0.000	88	9837	0.5000	0.5078	
35 Vinyl acetate	43		4.339				ND	ND	U

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 1,1-Dichloroethane	63	4.351	4.351	0.000	94	14658	0.5000	0.5670	
40 2-Butanone (MEK)	72		4.826				ND	ND	
39 cis-1,2-Dichloroethene	96	4.849	4.849	0.000	82	9400	0.5000	0.5762	
41 2,2-Dichloropropane	77	4.849	4.849	0.000	87	11626	0.5000	0.5128	
45 Chlorobromomethane	128	5.051	5.051	0.000	95	3884	0.5000	0.5392	
46 Tetrahydrofuran	42	5.063	5.063	0.000	72	4033	1.00	1.09	
47 Chloroform	83	5.134	5.134	0.000	93	14209	0.5000	0.5634	
48 1,1,1-Trichloroethane	97	5.288	5.288	0.000	97	11951	0.5000	0.5497	
49 Cyclohexane	56	5.347	5.347	0.000	90	12320	0.5000	0.5130	
51 Carbon tetrachloride	117	5.419	5.419	-0.001	92	8385	0.5000	0.4700	
50 1,1-Dichloropropene	75	5.419	5.419	-0.001	92	8382	0.5000	0.4470	
52 Isobutyl alcohol	41		5.466				ND	ND	U
54 Benzene	78	5.596	5.585	0.011	97	27960	0.5000	0.5017	
53 1,2-Dichloroethane	62	5.632	5.632	0.000	95	8791	0.5000	0.4738	
56 n-Heptane	57		5.822				ND	ND	U
58 Trichloroethene	130	6.154	6.154	0.000	94	6804	0.5000	0.4699	
60 Methylcyclohexane	83	6.355	6.355	0.000	85	11565	0.5000	0.4725	
61 1,2-Dichloropropane	63	6.379	6.379	0.000	90	6169	0.5000	0.4696	
64 1,4-Dioxane	88		6.427				ND	ND	
63 Dibromomethane	93	6.450	6.450	0.000	95	4450	0.5000	0.5518	
65 Dichlorobromomethane	83	6.593	6.604	-0.012	95	10363	0.5000	0.5528	
67 2-Chloroethyl vinyl ether	63	6.830	6.830	0.000	90	6507	1.00	0.8635	
68 cis-1,3-Dichloropropene	75	6.984	6.984	0.000	93	9979	0.5000	0.4611	
69 4-Methyl-2-pentanone (MIBK)	43		7.102				ND	ND	U
70 Toluene	91	7.280	7.280	0.000	97	34328	0.5000	0.5021	
71 trans-1,3-Dichloropropene	75	7.482	7.482	0.000	91	8138	0.5000	0.3792	
72 Ethyl methacrylate	69	7.517	7.518	-0.001	81	8505	0.5000	0.5028	
73 1,1,2-Trichloroethane	97	7.672	7.672	0.000	80	5292	0.5000	0.4536	
75 Tetrachloroethene	164	7.755	7.755	0.000	92	5456	0.5000	0.4296	
74 1,3-Dichloropropane	76	7.814	7.814	0.000	85	8962	0.5000	0.4206	
76 2-Hexanone	43		7.850				ND	ND	U
78 Chlorodibromomethane	129	8.016	8.016	0.000	85	5802	0.5000	0.4308	
80 Ethylene Dibromide	107	8.134	8.134	0.000	92	4254	0.5000	0.3661	
82 Chlorobenzene	112	8.585	8.585	0.000	96	21561	0.5000	0.4944	
83 1,1,1,2-Tetrachloroethane	131	8.668	8.668	0.000	85	5522	0.5000	0.4072	
84 Ethylbenzene	106	8.668	8.668	0.000	98	12506	0.5000	0.5062	
85 m-Xylene & p-Xylene	106	8.798	8.798	0.000	98	16143	0.5000	0.5169	
86 o-Xylene	106	9.166	9.166	0.000	97	14382	0.5000	0.4885	
87 Styrene	104	9.178	9.178	0.000	94	21725	0.5000	0.4825	
88 Bromoform	173	9.367	9.367	0.000	88	3061	0.5000	0.3722	
89 Isopropylbenzene	105	9.510	9.510	0.000	96	36466	0.5000	0.4719	
92 1,1,2,2-Tetrachloroethane	83	9.806	9.806	0.000	88	6873	0.5000	0.4717	
93 Bromobenzene	156	9.842	9.842	0.000	91	8351	0.5000	0.4787	
94 trans-1,4-Dichloro-2-butene	53	9.854	9.854	0.000	38	2378	0.5000	0.4811	
95 1,2,3-Trichloropropane	110	9.877	9.877	0.000	79	2127	0.5000	0.4468	
96 N-Propylbenzene	120	9.925	9.925	0.000	99	10517	0.5000	0.4703	
97 2-Chlorotoluene	126	10.020	10.020	0.000	96	8242	0.5000	0.4549	
99 1,3,5-Trimethylbenzene	105	10.091	10.091	0.000	95	32066	0.5000	0.4794	
100 4-Chlorotoluene	126	10.138	10.138	0.000	97	8561	0.5000	0.4531	
102 tert-Butylbenzene	119	10.411	10.411	0.000	91	27991	0.5000	0.4856	
104 1,2,4-Trimethylbenzene	105	10.470	10.470	0.000	97	32909	0.5000	0.4862	
105 sec-Butylbenzene	105	10.624	10.624	0.000	94	41354	0.5000	0.4785	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	10.755	10.755	0.000	97	16576	0.5000	0.4747	
107 4-Isopropyltoluene	119	10.779	10.779	0.000	97	33303	0.5000	0.4522	
108 1,4-Dichlorobenzene	146	10.862	10.862	0.000	91	16998	0.5000	0.4851	
111 n-Butylbenzene	91	11.182	11.182	0.000	97	30357	0.5000	0.4562	
112 1,2-Dichlorobenzene	146	11.217	11.217	0.000	95	15955	0.5000	0.4934	
113 1,2-Dibromo-3-Chloropropane	157	12.000	12.000	0.000	78	1162	0.5000	0.3387	
115 1,2,4-Trichlorobenzene	180	12.830	12.830	0.000	90	8867	0.5000	0.4721	
116 Hexachlorobutadiene	225	12.972	12.972	0.000	89	4016	0.5000	0.4747	
117 Naphthalene	128	13.115	13.115	0.000	96	21739	0.5000	0.4555	
118 1,2,3-Trichlorobenzene	180	13.364	13.352	0.012	93	7524	0.5000	0.4722	
S 134 Trihalomethanes, Total	1				0		2.00	1.92	
S 158 Total BTEX	1				0		2.50	2.52	
S 131 1,2-Dichloroethene, Total	96				0			1.14	
S 132 1,3-Dichloropropene, Total	75				0			0.8402	
S 133 Xylenes, Total	106				0		1.00	1.01	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

Reagents:

vmrgas_00382	Amount Added:	0.40	Units: uL
vmarolistdw_00389	Amount Added:	0.40	Units: uL
vmrprimw_00432	Amount Added:	0.40	Units: uL
vm50ss_00439	Amount Added:	0.40	Units: uL
vm50is_stk_a_00008	Amount Added:	2.00	Units: uL

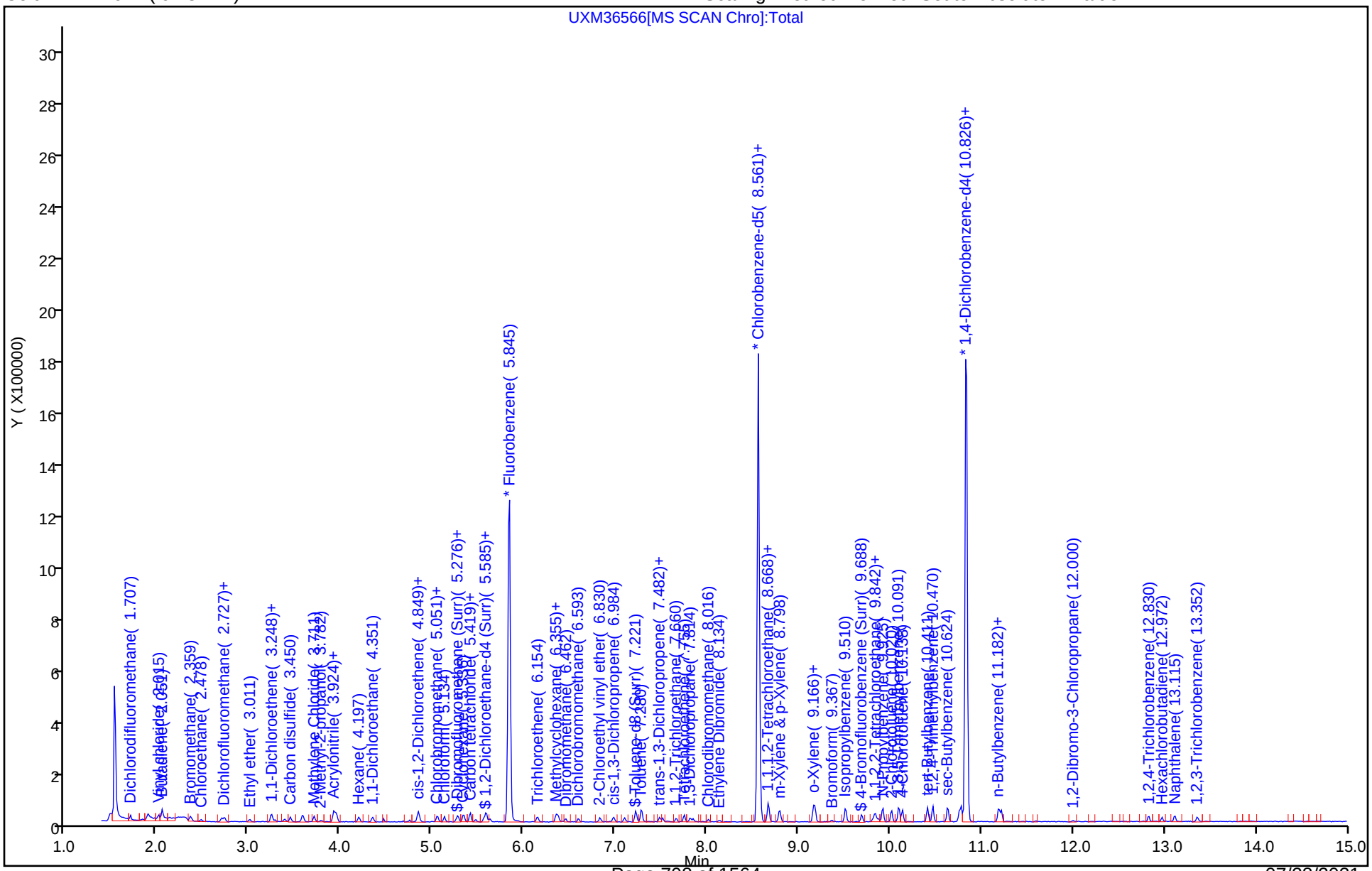
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Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36566.D

Injection Date:	23-Apr-2021 14:53:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	std8260 L1			Worklist Smp#:	16
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



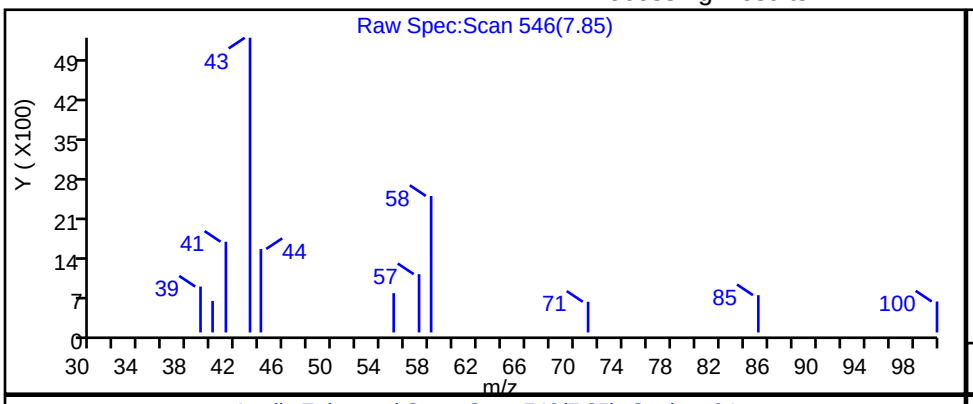
User Disabled Compound Report

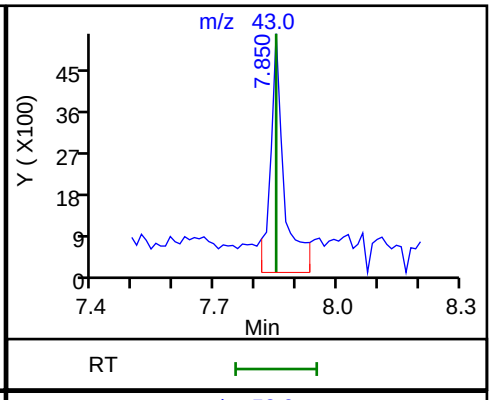
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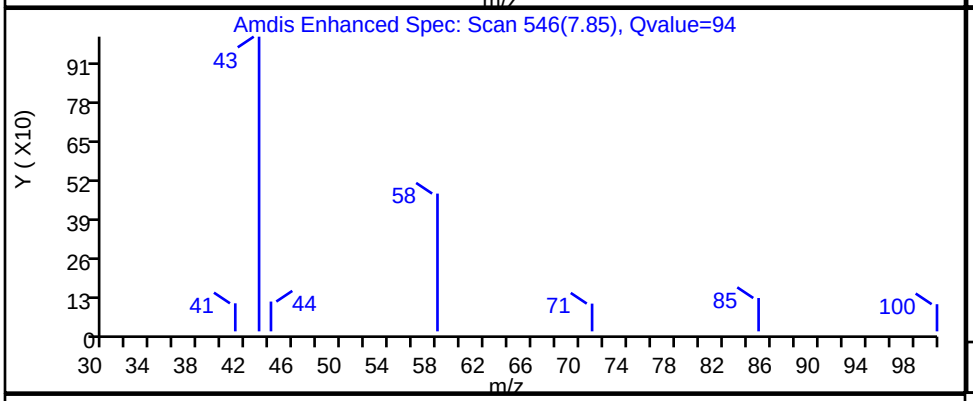
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Injection Date: 23-Apr-2021 14:53:30 Instrument ID: A3UX16
Lims ID: std8260 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

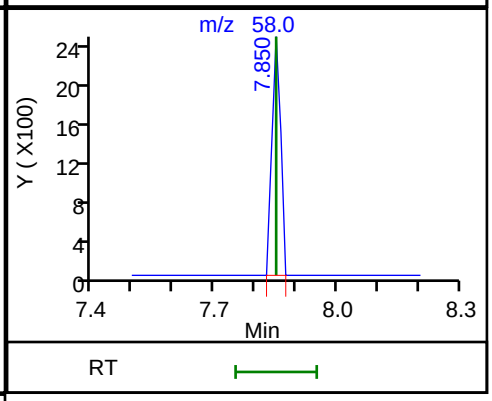
76 2-Hexanone, CAS: 591-78-6

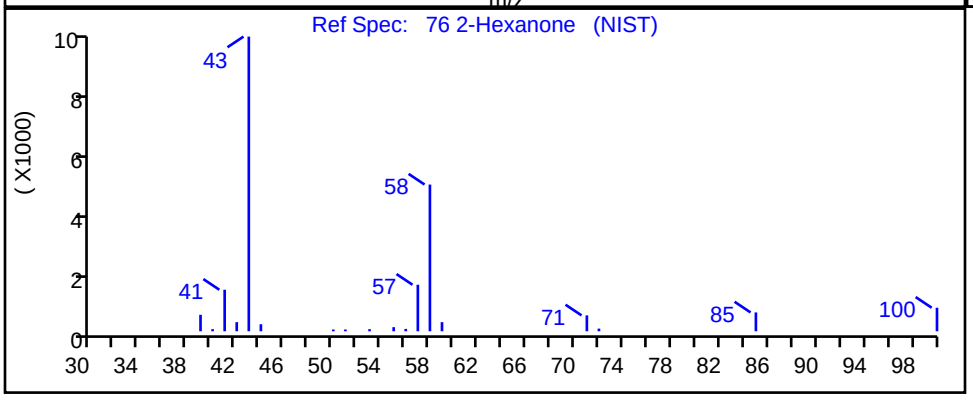
Processing Results











RT	Mass	Response	Amount
7.85	43.00	12204	1.183383
7.85	58.00	3621	

Reviewer: bosworthh, 23-Apr-2021 15:22:22
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

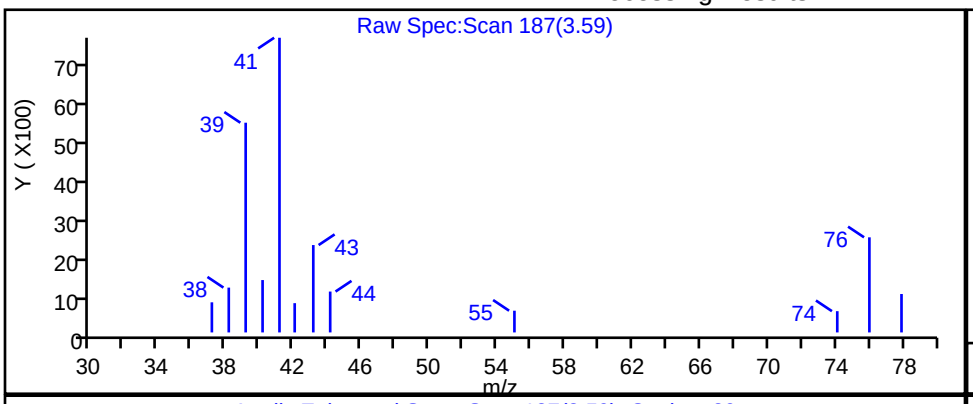
User Disabled Compound Report

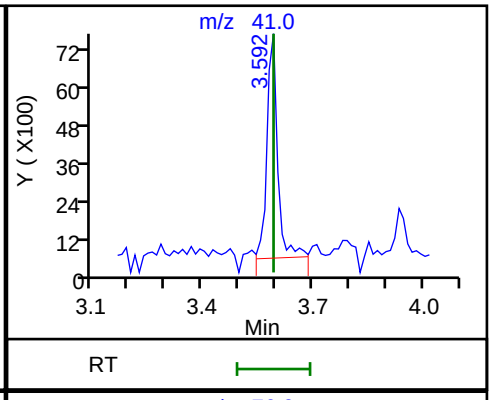
Eurofins TestAmerica, Canton

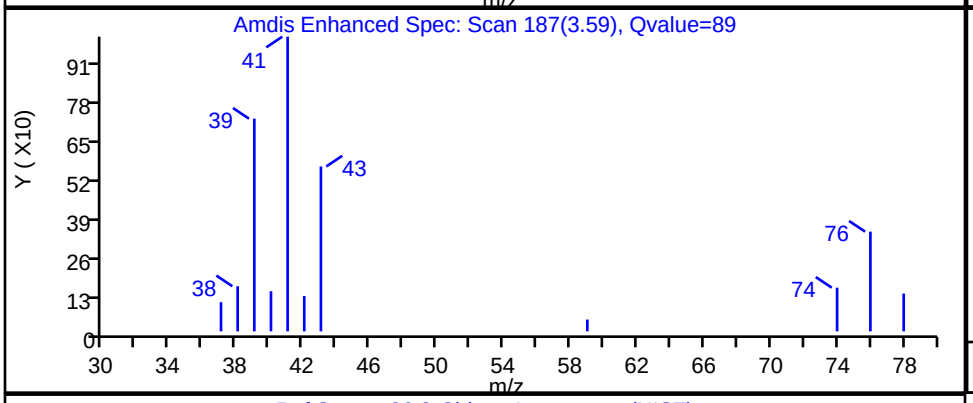
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Injection Date: 23-Apr-2021 14:53:30 Instrument ID: A3UX16
Lims ID: std8260 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

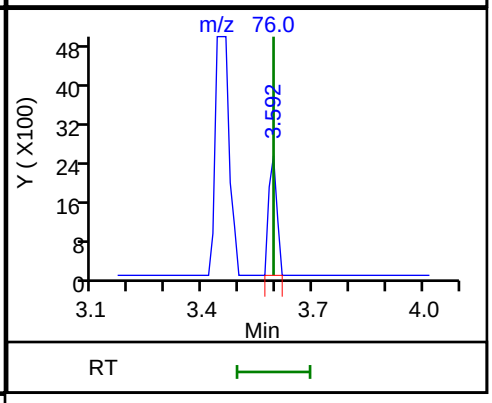
26 3-Chloro-1-propene, CAS: 107-05-1

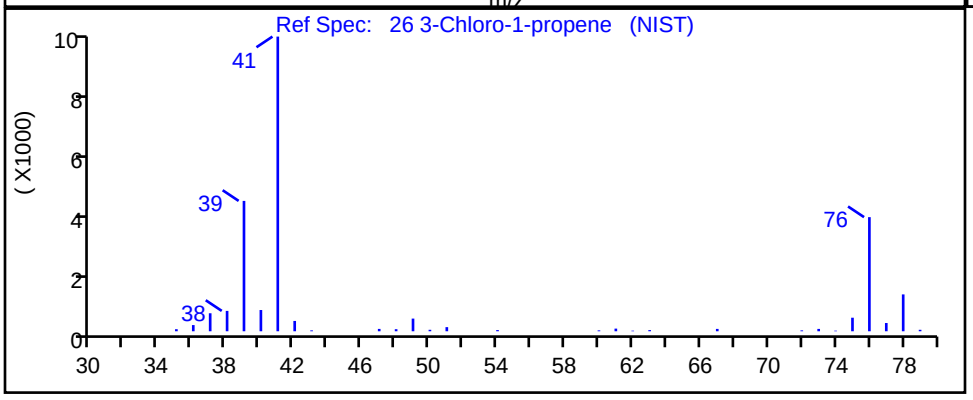
Processing Results











RT	Mass	Response	Amount
3.59	41.00	14585	0.390293
3.59	76.00	3878	

Reviewer: bosworthh, 23-Apr-2021 15:19:41
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

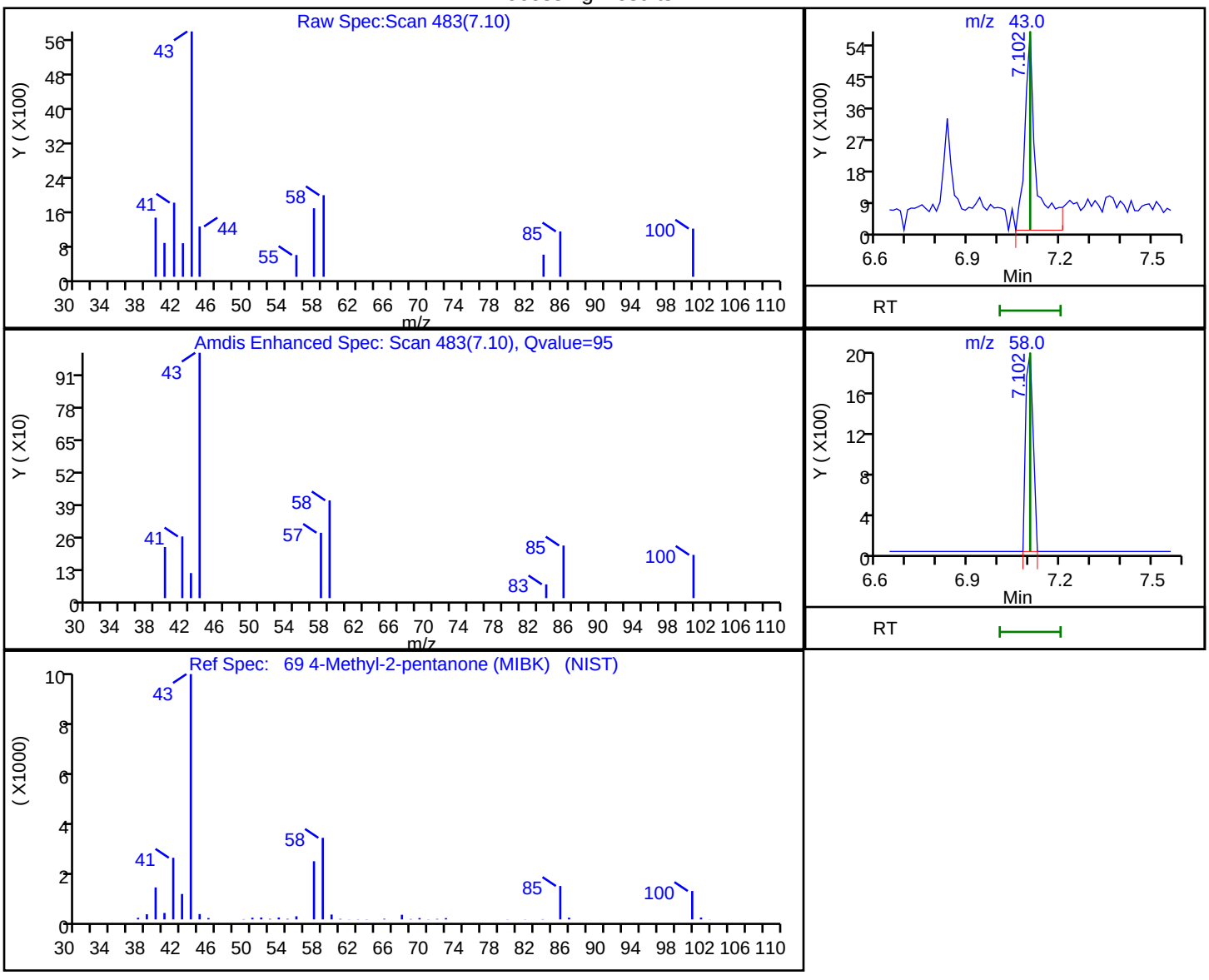
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36566.D				
Injection Date:	23-Apr-2021 14:53:30	Instrument ID:	A3UX16		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001765	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_16	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

69 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Processing Results



RT	Mass	Response	Amount
7.10	43.00	14764	1.181765
7.10	58.00	3269	

Reviewer: bosworthh, 23-Apr-2021 15:22:03

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

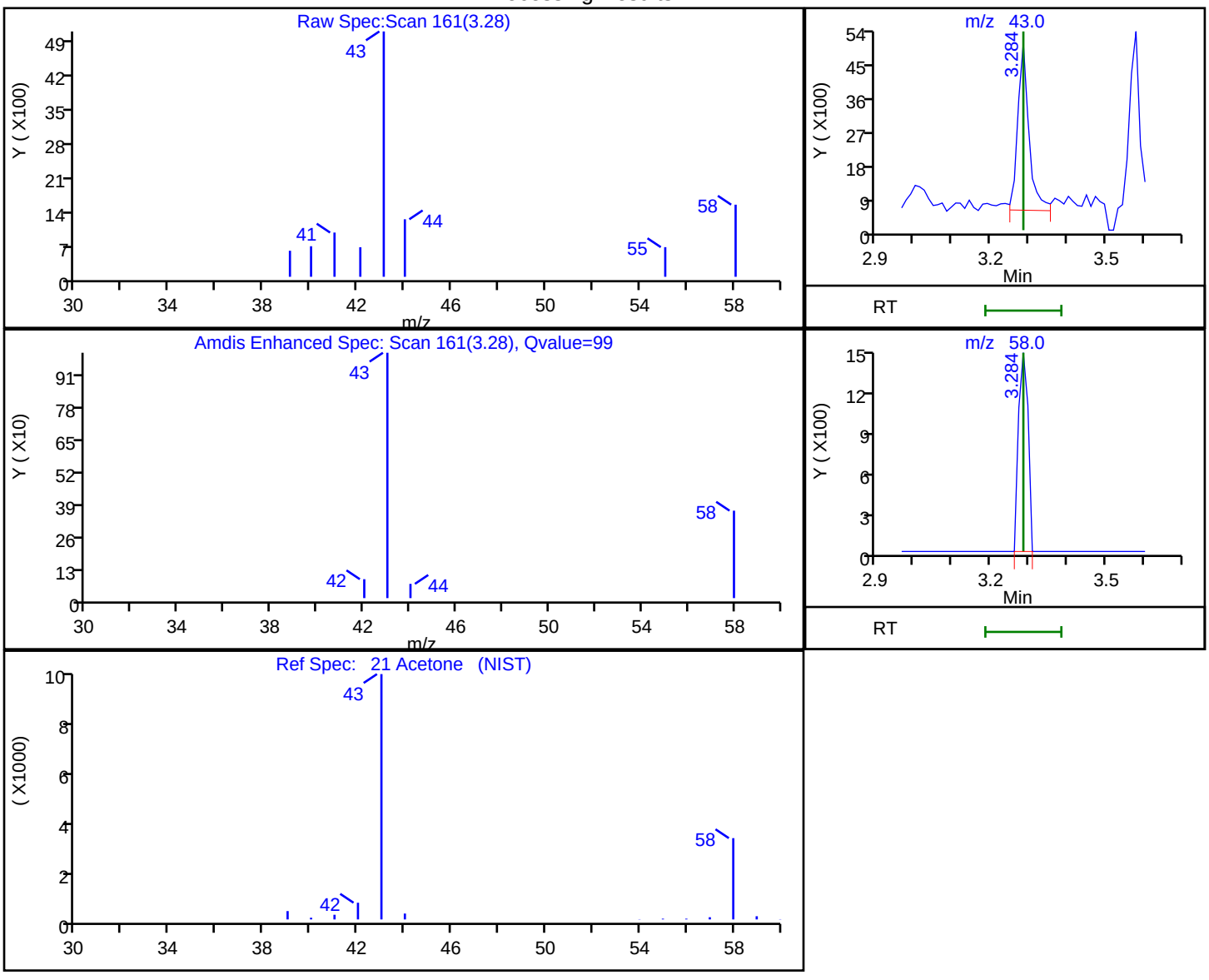
User Disabled Compound Report

Eurofins TestAmerica, Canton

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Injection Date:	23-Apr-2021 14:53:30	Instrument ID:	A3UX16		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001765	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_16	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

21 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
3.28	43.00	9267	
3.28	58.00	2603	0.682533

Reviewer: bosworthh, 23-Apr-2021 15:18:49

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

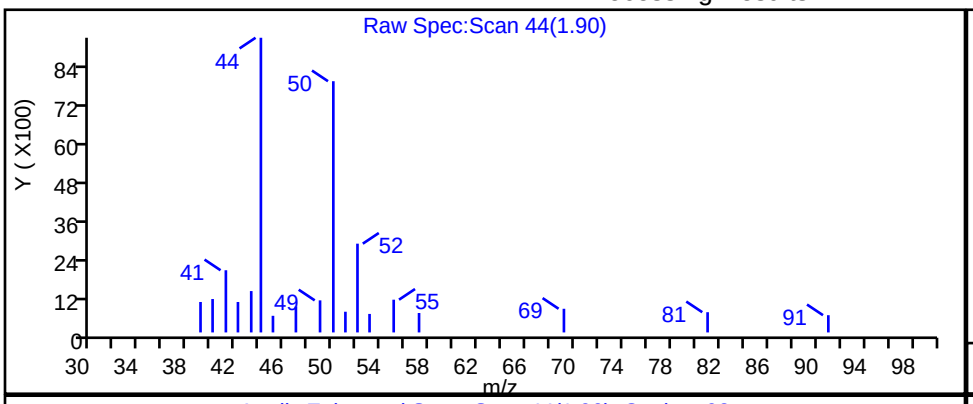
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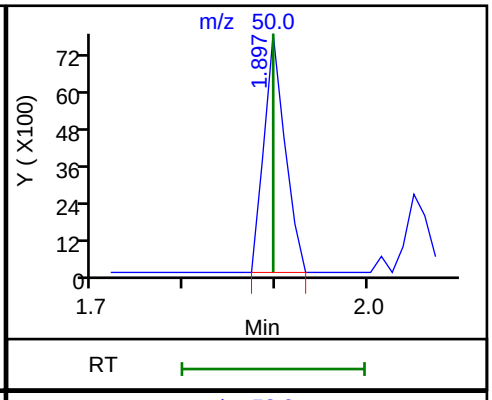
Eurofins TestAmerica, Canton

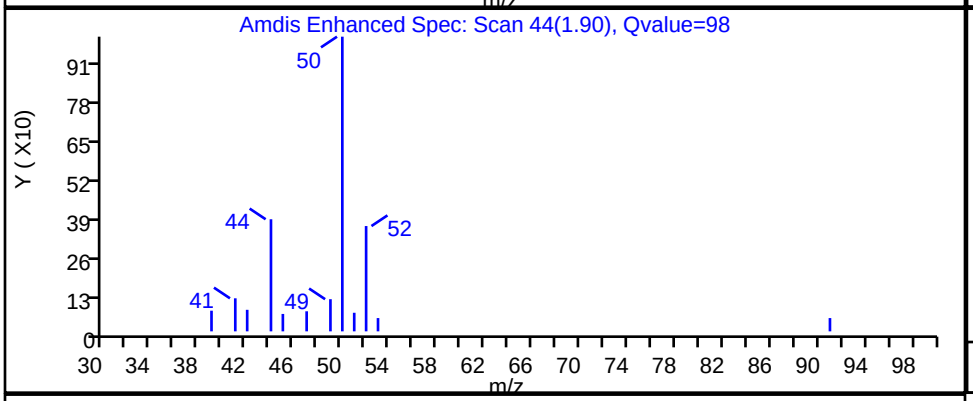
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Injection Date:	23-Apr-2021 14:53:30	Instrument ID:	A3UX16		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001765	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_16	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

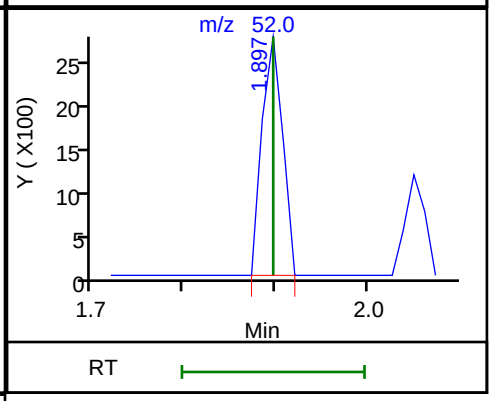
10 Chloromethane, CAS: 74-87-3

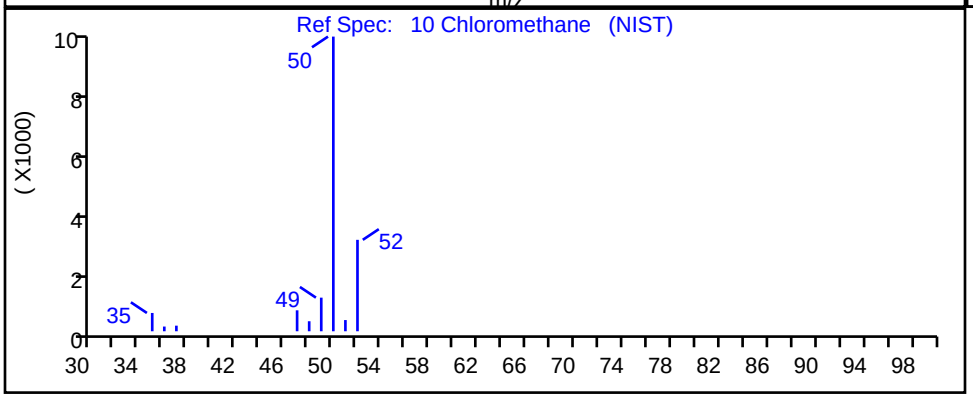
Processing Results











RT	Mass	Response	Amount
1.90	50.00	12562	0.282068
1.90	52.00	4346	

Reviewer: bosworthh, 23-Apr-2021 15:17:42

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

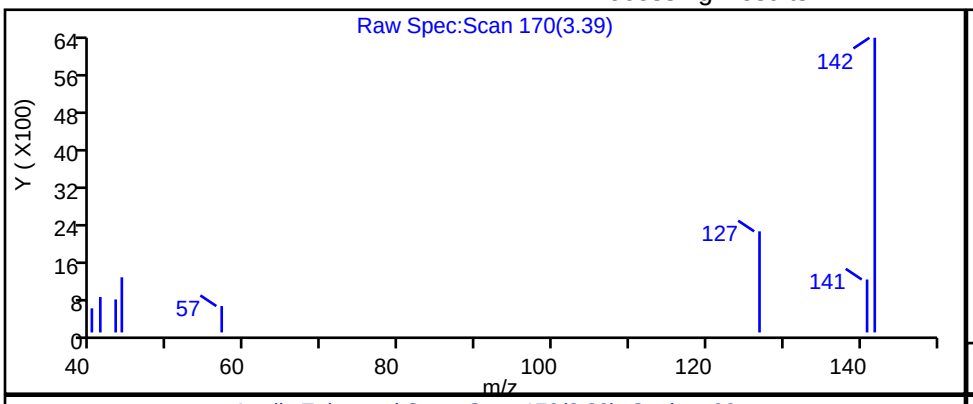
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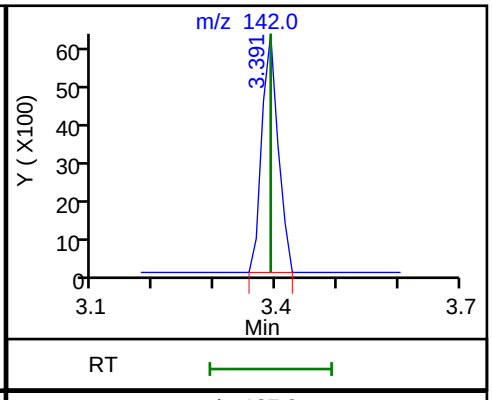
Eurofins TestAmerica, Canton

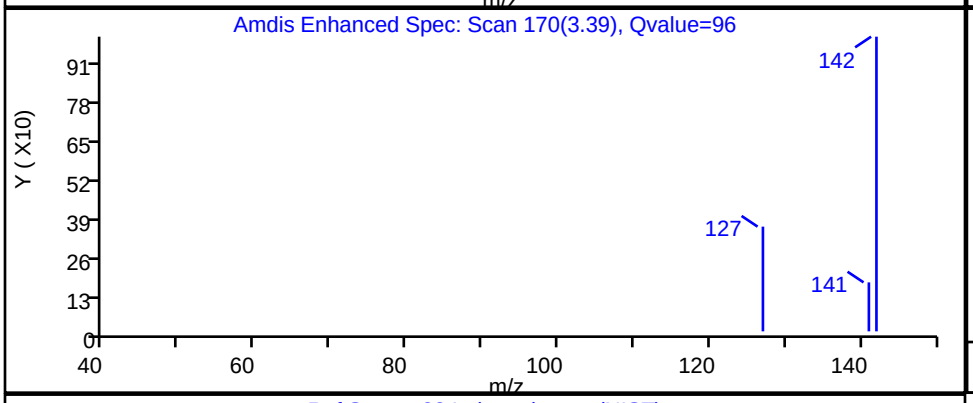
Data File:	\\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36566.D				
Injection Date:	23-Apr-2021 14:53:30	Instrument ID:	A3UX16		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001765	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_16	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

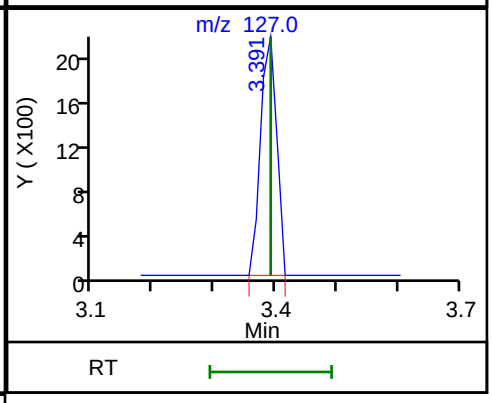
23 Iodomethane, CAS: 74-88-4

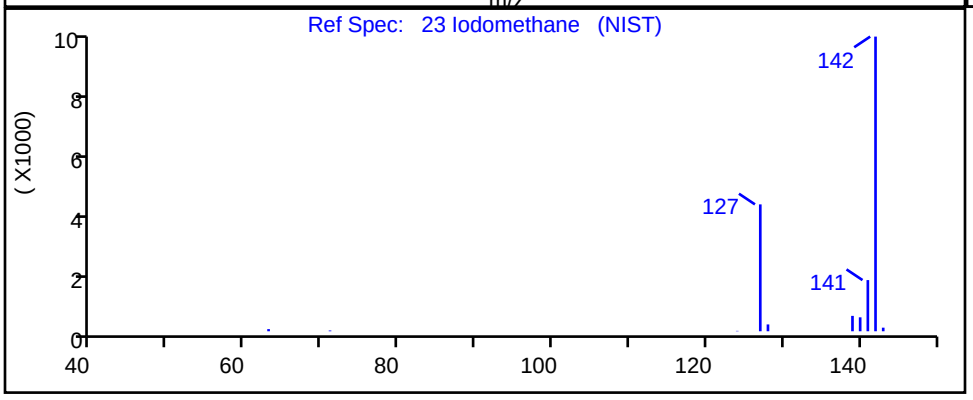
Processing Results











RT	Mass	Response	Amount
3.39	142.00	11673	0.423091
3.39	127.00	3972	

Reviewer: bosworthh, 23-Apr-2021 15:19:54

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

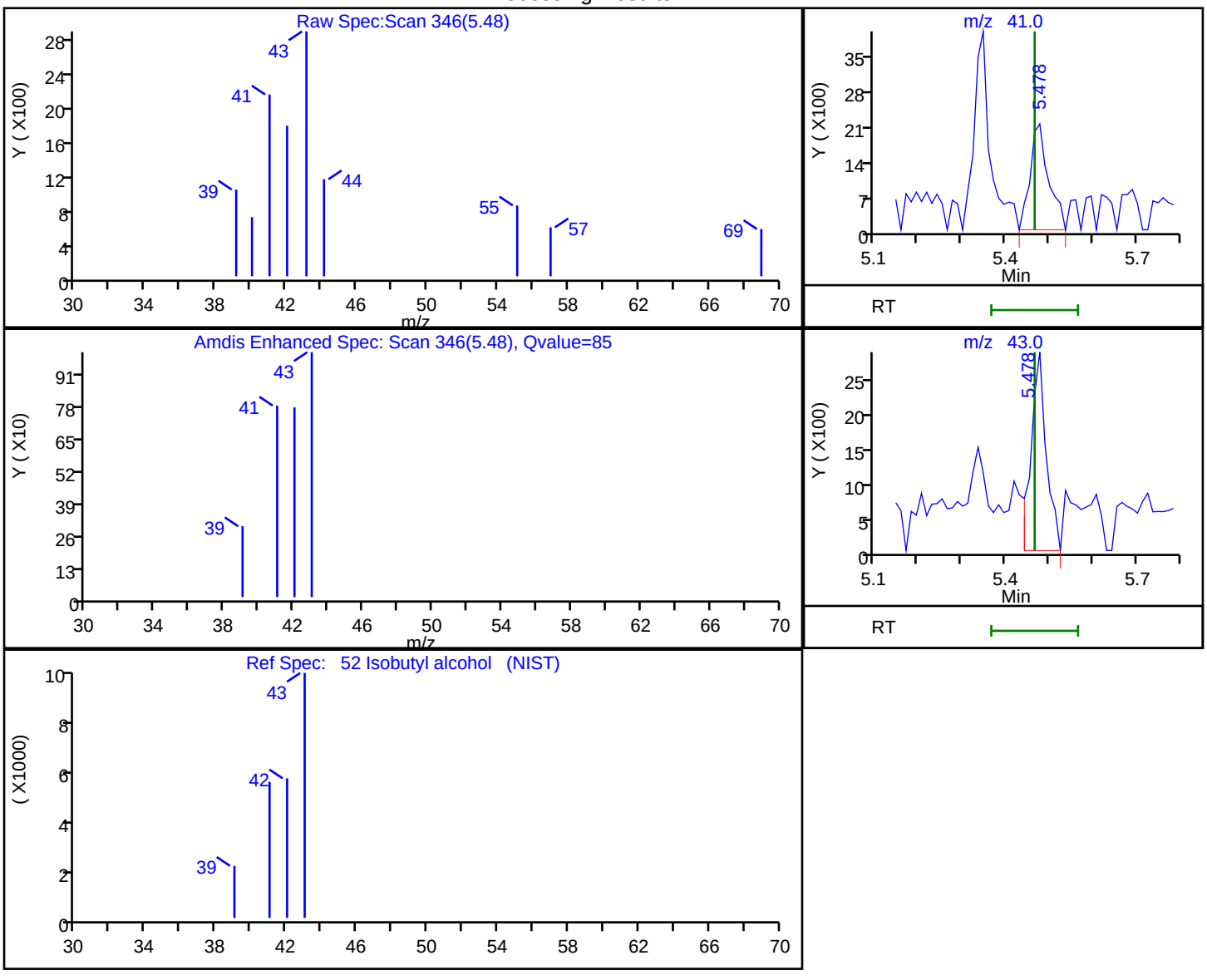
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36566.D
Injection Date: 23-Apr-2021 14:53:30 Instrument ID: A3UX16
Lims ID: std8260 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

52 Isobutyl alcohol, CAS: 78-83-1

Processing Results



RT	Mass	Response	Amount
5.48	41.00	6295	10.349609
5.48	43.00	7006	

Reviewer: bosworthh, 23-Apr-2021 15:21:06
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

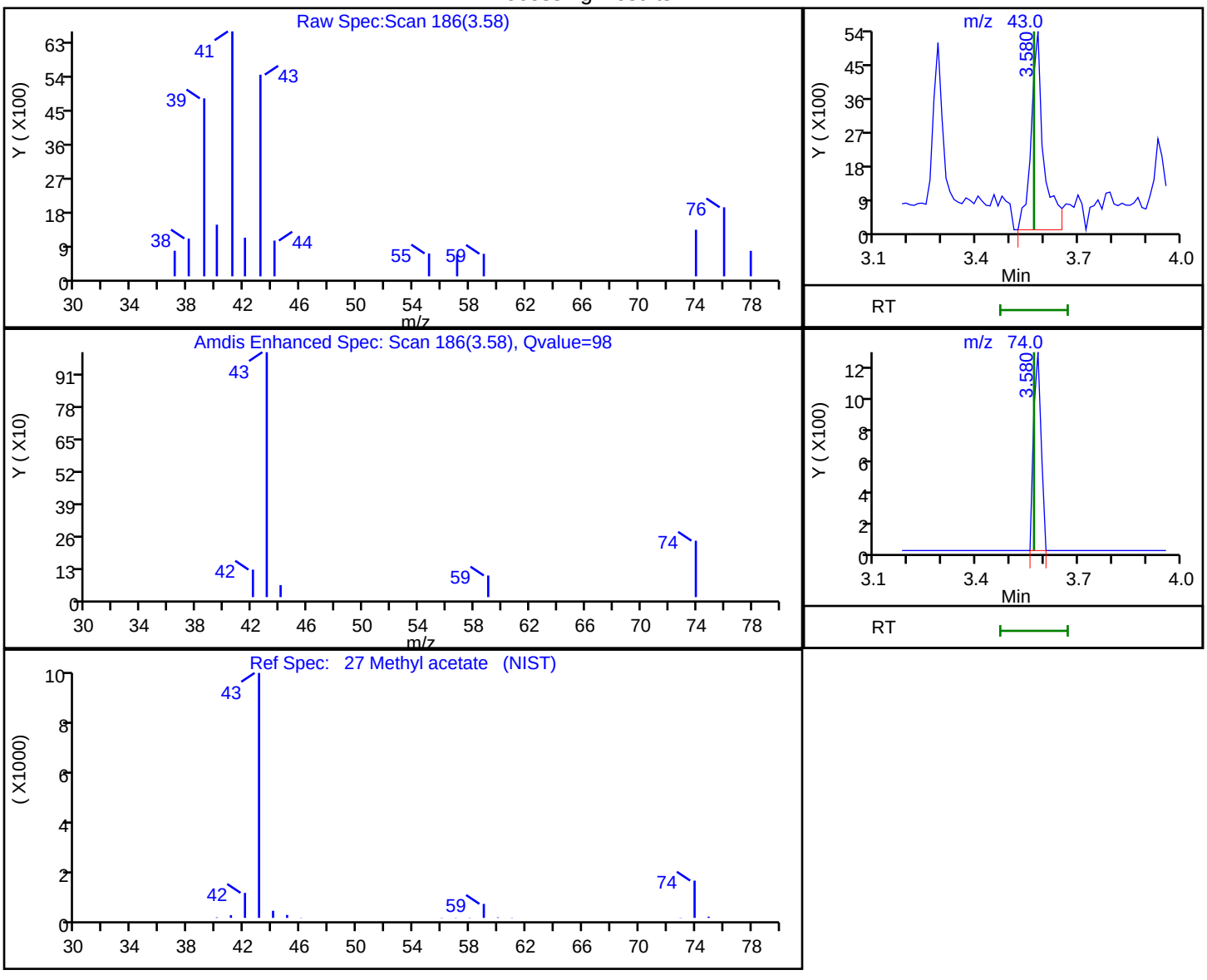
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36566.D
Injection Date: 23-Apr-2021 14:53:30 Instrument ID: A3UX16
Lims ID: std8260 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

27 Methyl acetate, CAS: 79-20-9

Processing Results



RT	Mass	Response	Amount
3.58	43.00	13811	1.054507
3.58	74.00	1911	

Reviewer: bosworthh, 23-Apr-2021 15:19:34
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

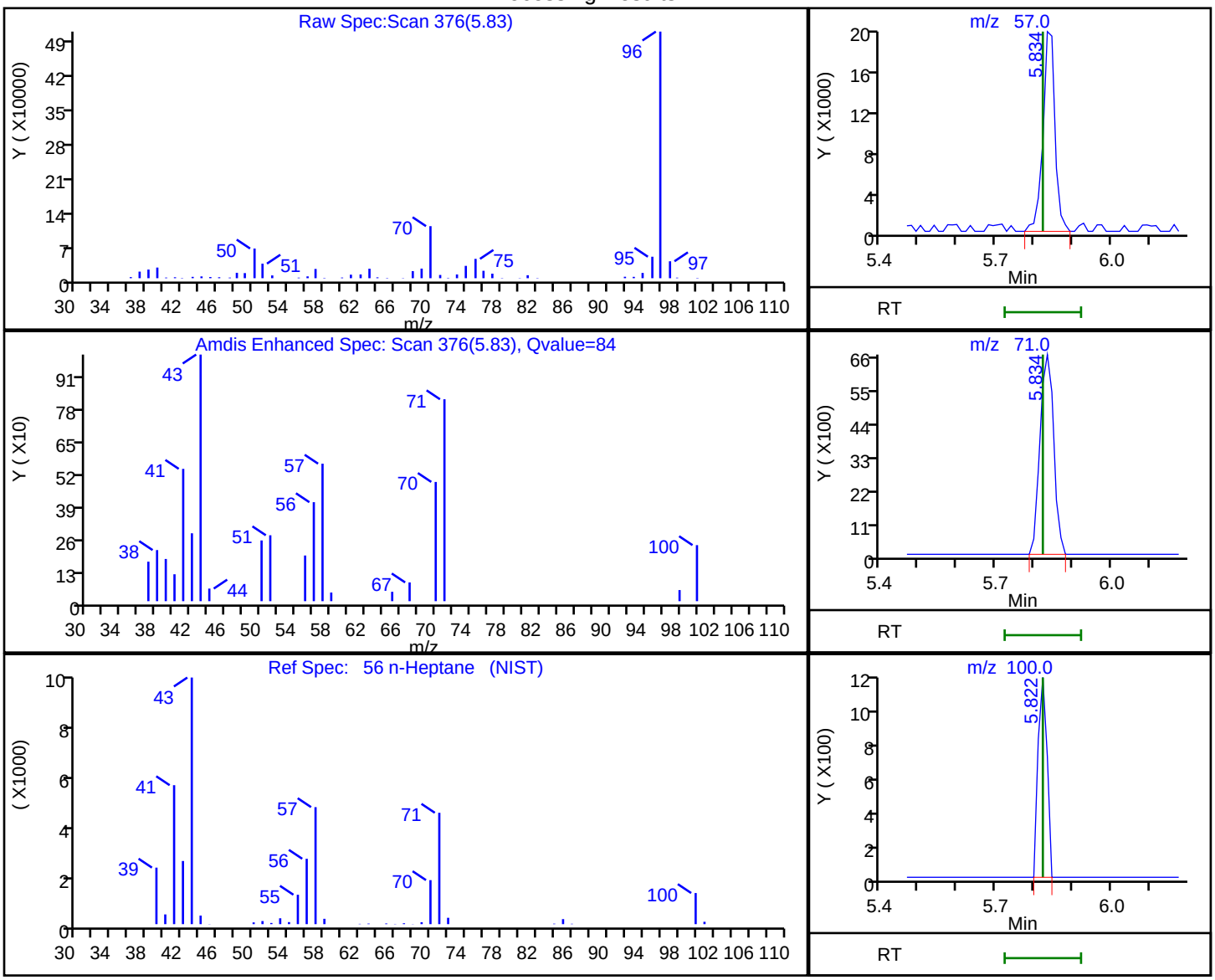
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36566.D				
Injection Date:	23-Apr-2021 14:53:30	Instrument ID:	A3UX16		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001765	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_16	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

56 n-Heptane, CAS: 142-82-5

Processing Results



RT	Mass	Response	Amount
5.83	57.00	42040	0.431671
5.83	71.00	16740	
5.82	100.00	1868	

Reviewer: bosworthh, 23-Apr-2021 15:21:28

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

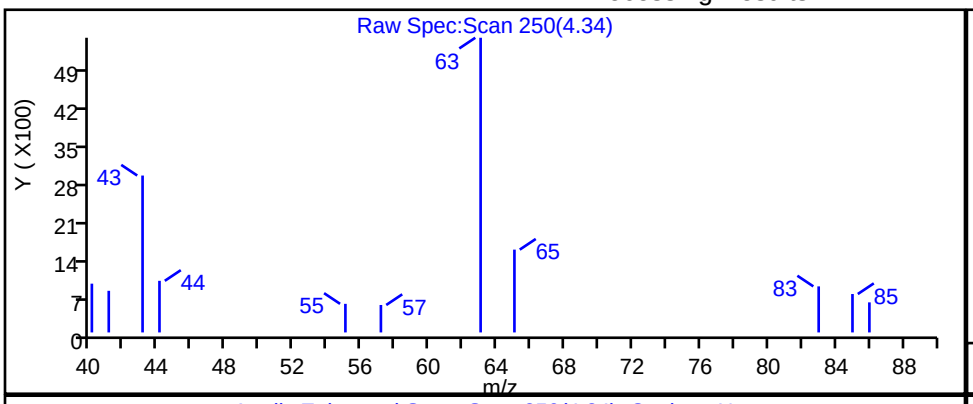
User Disabled Compound Report

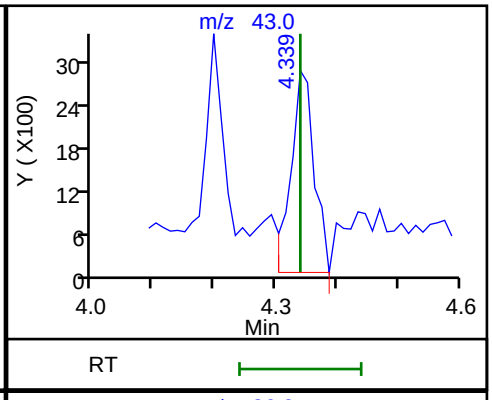
Eurofins TestAmerica, Canton

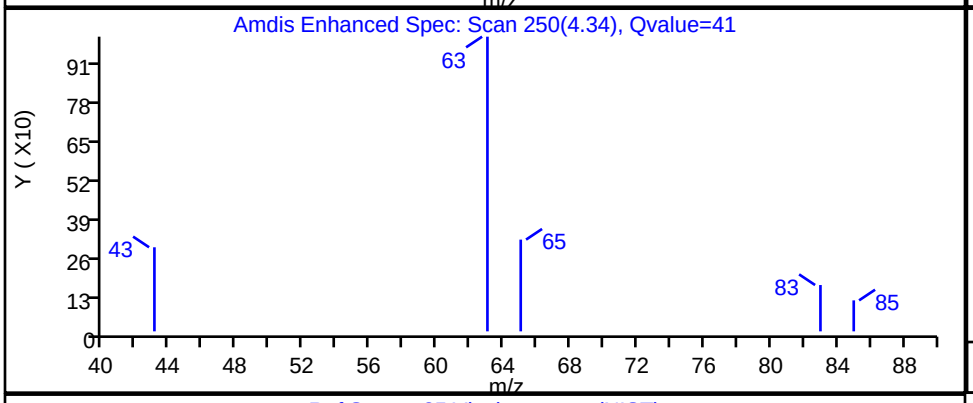
Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36566.D
Injection Date: 23-Apr-2021 14:53:30 Instrument ID: A3UX16
Lims ID: std8260 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

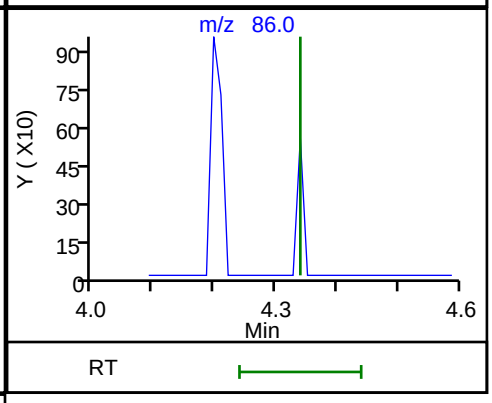
35 Vinyl acetate, CAS: 108-05-4

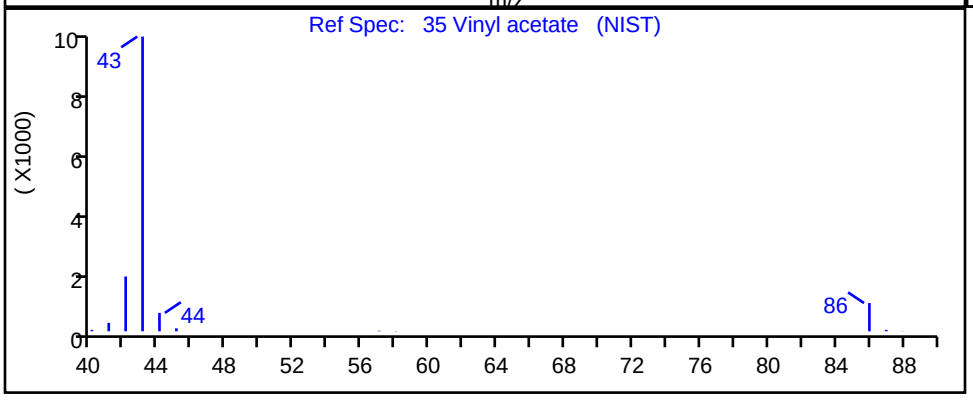
Processing Results











RT	Mass	Response	Amount
4.34	43.00	7666	0.722737
4.34	86.00	0	

Reviewer: bosworthh, 23-Apr-2021 15:20:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

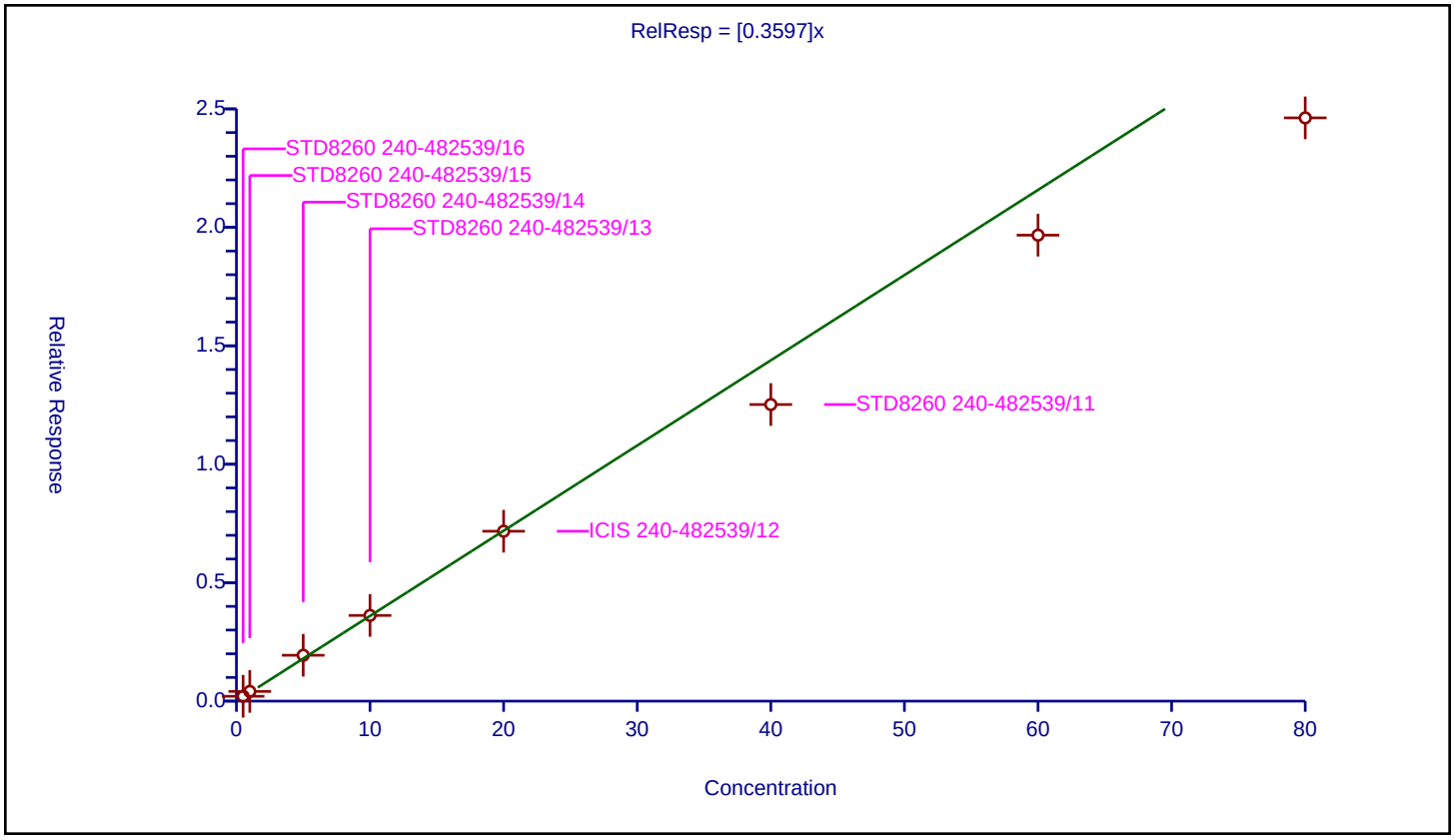
Curve Coefficients

Intercept:	0
Slope:	0.3597

Error Coefficients

Standard Error:	1030000
Relative Standard Error:	11.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.205616	20.0	1103126.0	0.411231	Y
2	STD8260 240-482539/15	1.0	0.409827	20.0	1133064.0	0.409827	Y
3	STD8260 240-482539/14	5.0	1.936258	20.0	1285831.0	0.387252	Y
4	STD8260 240-482539/13	10.0	3.617331	20.0	1407911.0	0.361733	Y
5	ICIS 240-482539/12	20.0	7.172005	20.0	1453811.0	0.3586	Y
6	STD8260 240-482539/11	40.0	12.520573	20.0	1575479.0	0.313014	Y
7	STD8260 240-482539/10	60.0	19.669243	20.0	1594706.0	0.327821	Y
8	STD8260 240-482539/9	80.0	24.620556	20.0	1562115.0	0.307757	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

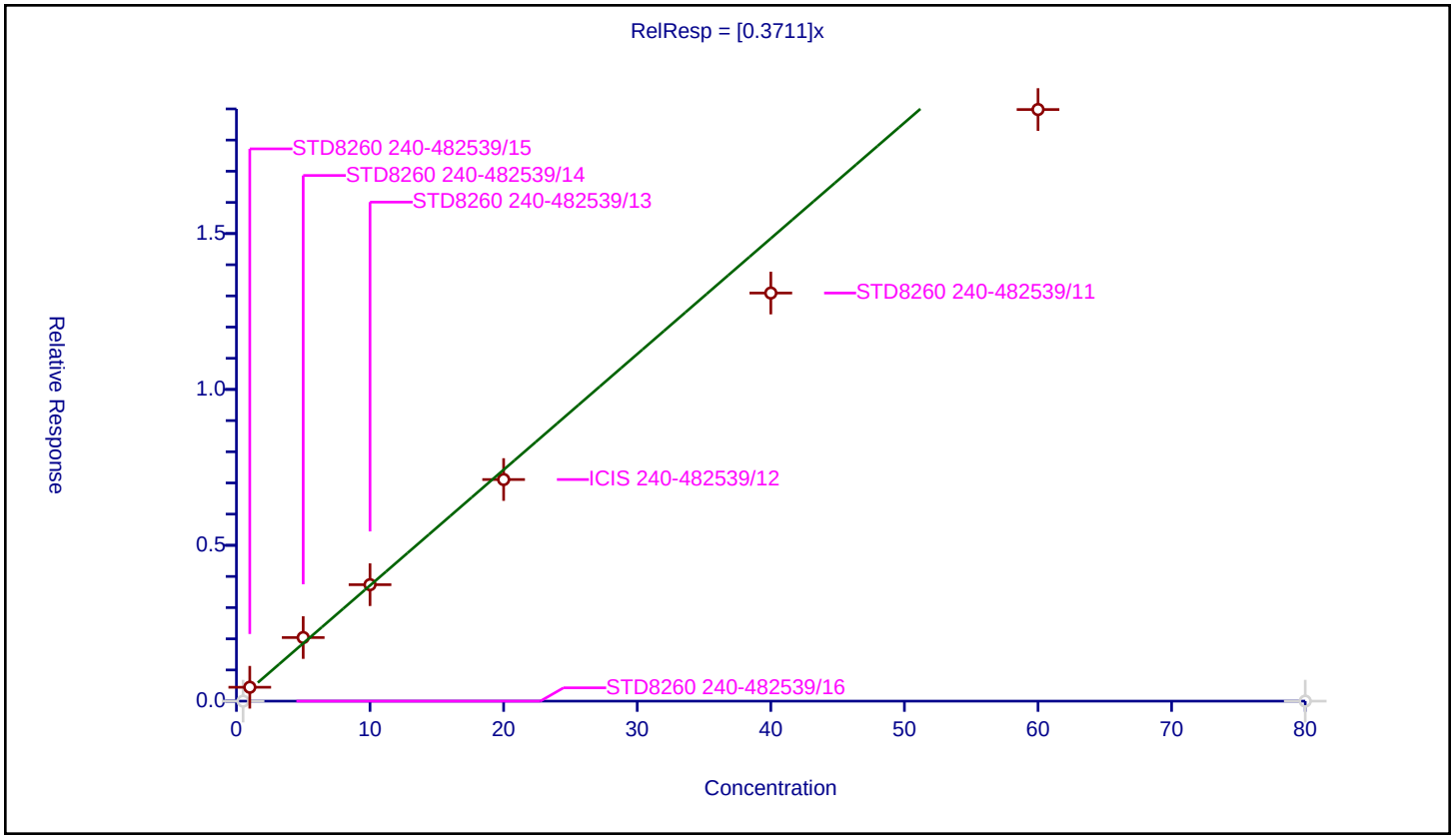
Curve Coefficients

Intercept:	0
Slope:	0.3711

Error Coefficients

Standard Error:	861000
Relative Standard Error:	13.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.0	20.0	1103126.0	0.0	N
2	STD8260 240-482539/15	1.0	0.445994	20.0	1133064.0	0.445994	Y
3	STD8260 240-482539/14	5.0	2.039755	20.0	1285831.0	0.407951	Y
4	STD8260 240-482539/13	10.0	3.736259	20.0	1407911.0	0.373626	Y
5	ICIS 240-482539/12	20.0	7.10937	20.0	1453811.0	0.355468	Y
6	STD8260 240-482539/11	40.0	13.092539	20.0	1575479.0	0.327313	Y
7	STD8260 240-482539/10	60.0	18.979699	20.0	1594706.0	0.316328	Y
8	STD8260 240-482539/9	80.0	0.0	20.0	1562115.0	0.0	N



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

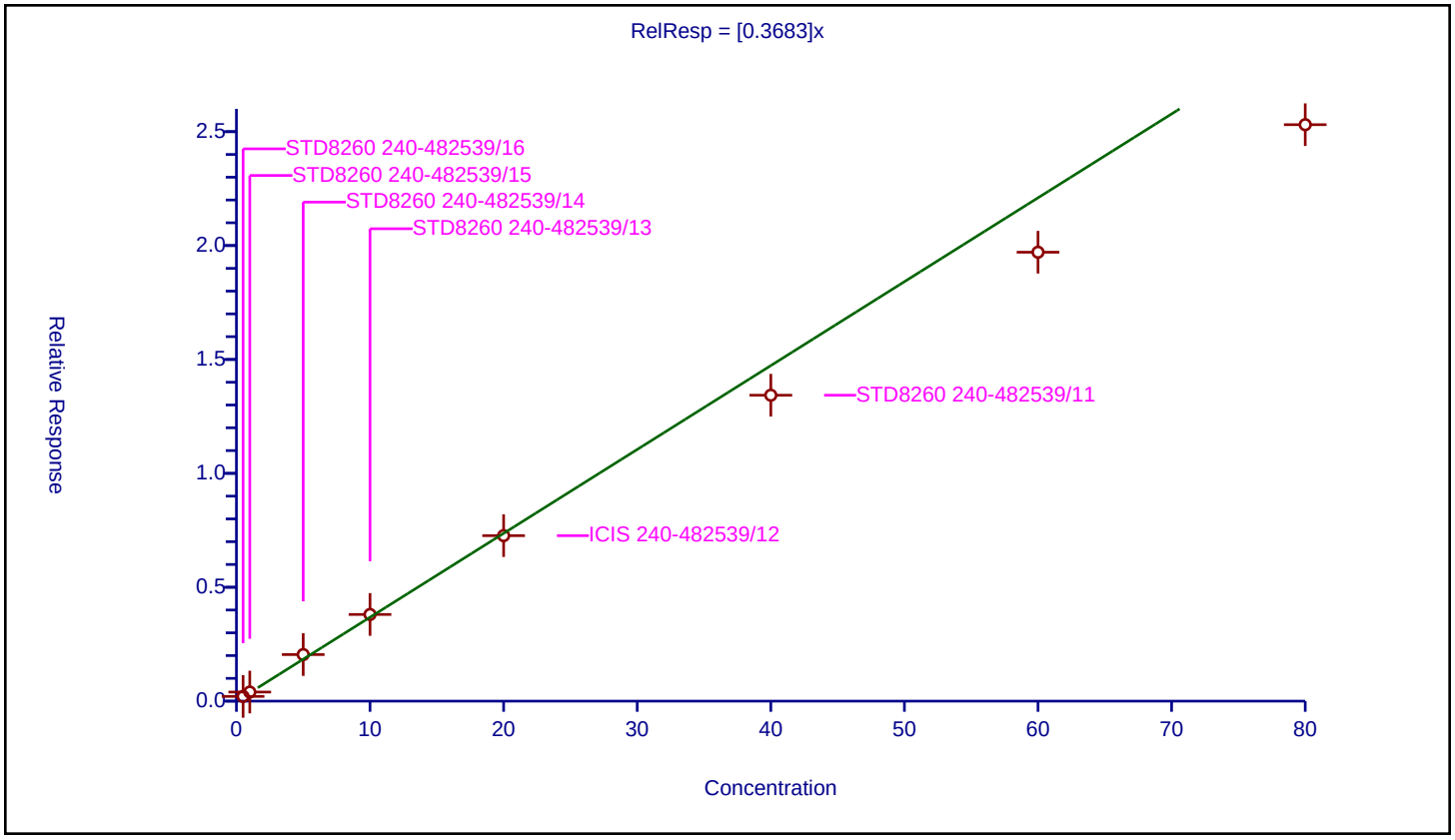
Curve Coefficients

Intercept:	0
Slope:	0.3683

Error Coefficients

Standard Error:	1060000
Relative Standard Error:	10.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.207048	20.0	1103126.0	0.414096	Y
2	STD8260 240-482539/15	1.0	0.398777	20.0	1133064.0	0.398777	Y
3	STD8260 240-482539/14	5.0	2.044934	20.0	1285831.0	0.408987	Y
4	STD8260 240-482539/13	10.0	3.804885	20.0	1407911.0	0.380489	Y
5	ICIS 240-482539/12	20.0	7.265552	20.0	1453811.0	0.363278	Y
6	STD8260 240-482539/11	40.0	13.430277	20.0	1575479.0	0.335757	Y
7	STD8260 240-482539/10	60.0	19.708699	20.0	1594706.0	0.328478	Y
8	STD8260 240-482539/9	80.0	25.306319	20.0	1562115.0	0.316329	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

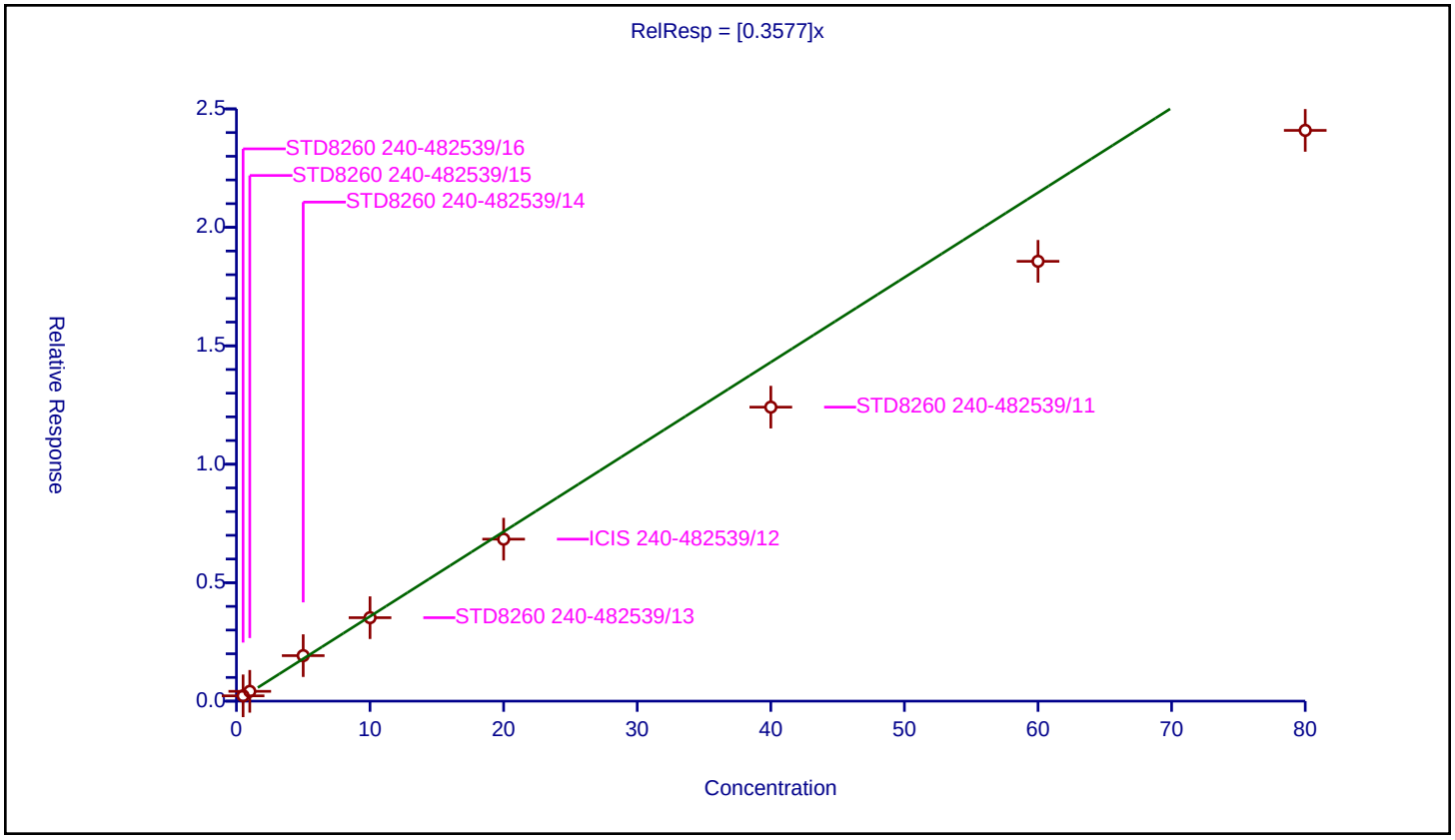
Curve Coefficients

Intercept:	0
Slope:	0.3577

Error Coefficients

Standard Error:	1000000
Relative Standard Error:	15.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.968

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.223945	20.0	1103126.0	0.447891	Y
2	STD8260 240-482539/15	1.0	0.414557	20.0	1133064.0	0.414557	Y
3	STD8260 240-482539/14	5.0	1.92047	20.0	1285831.0	0.384094	Y
4	STD8260 240-482539/13	10.0	3.523376	20.0	1407911.0	0.352338	Y
5	ICIS 240-482539/12	20.0	6.837574	20.0	1453811.0	0.341879	Y
6	STD8260 240-482539/11	40.0	12.410245	20.0	1575479.0	0.310256	Y
7	STD8260 240-482539/10	60.0	18.565704	20.0	1594706.0	0.309428	Y
8	STD8260 240-482539/9	80.0	24.093002	20.0	1562115.0	0.301163	Y



Calibration / Bromomethane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

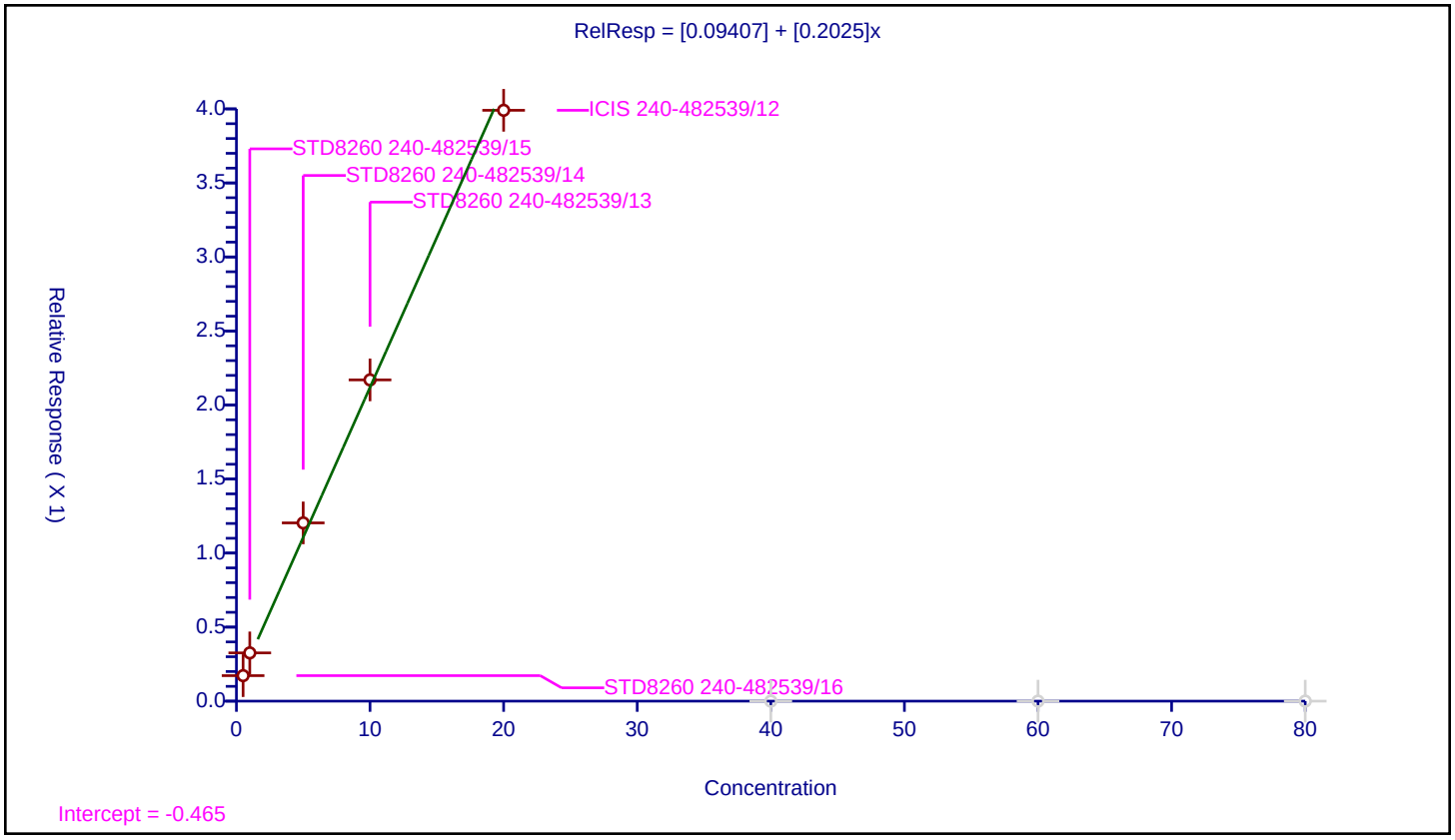
Curve Coefficients

Intercept:	0.09407
Slope:	0.2025

Error Coefficients

Standard Error:	195000
Relative Standard Error:	16.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.172256	20.0	1103126.0	0.344512	Y
2	STD8260 240-482539/15	1.0	0.325948	20.0	1133064.0	0.325948	Y
3	STD8260 240-482539/14	5.0	1.203797	20.0	1285831.0	0.240759	Y
4	STD8260 240-482539/13	10.0	2.169668	20.0	1407911.0	0.216967	Y
5	ICIS 240-482539/12	20.0	3.990464	20.0	1453811.0	0.199523	Y
6	STD8260 240-482539/11	40.0	0.0	20.0	1575479.0	0.0	N
7	STD8260 240-482539/10	60.0	0.0	20.0	1594706.0	0.0	N
8	STD8260 240-482539/9	80.0	0.0	20.0	1562115.0	0.0	N



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

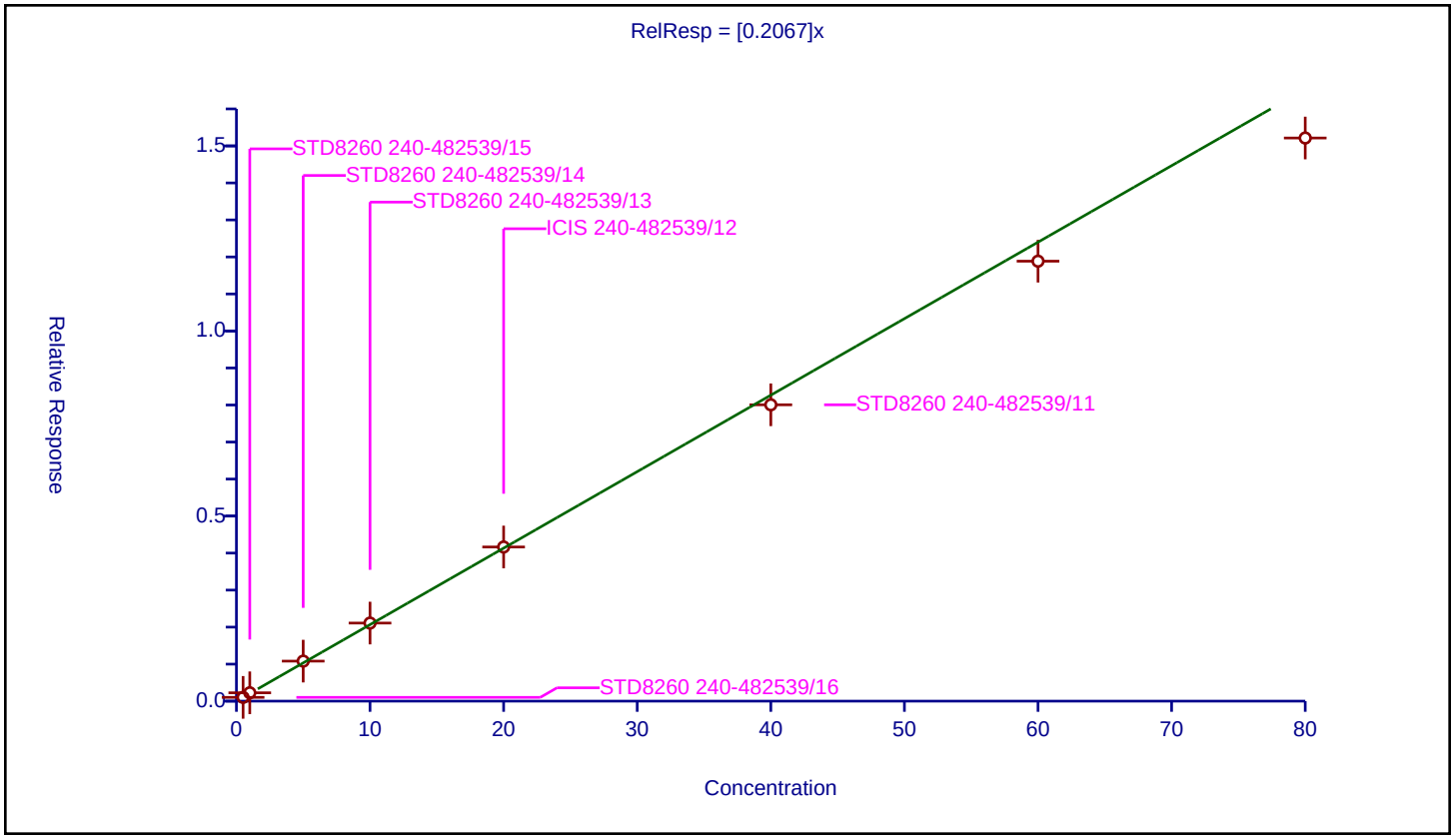
Curve Coefficients

Intercept:	0
Slope:	0.2067

Error Coefficients

Standard Error:	635000
Relative Standard Error:	5.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.101856	20.0	1103126.0	0.203712	Y
2	STD8260 240-482539/15	1.0	0.225707	20.0	1133064.0	0.225707	Y
3	STD8260 240-482539/14	5.0	1.081386	20.0	1285831.0	0.216277	Y
4	STD8260 240-482539/13	10.0	2.109423	20.0	1407911.0	0.210942	Y
5	ICIS 240-482539/12	20.0	4.164324	20.0	1453811.0	0.208216	Y
6	STD8260 240-482539/11	40.0	8.006048	20.0	1575479.0	0.200151	Y
7	STD8260 240-482539/10	60.0	11.885714	20.0	1594706.0	0.198095	Y
8	STD8260 240-482539/9	80.0	15.213297	20.0	1562115.0	0.190166	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

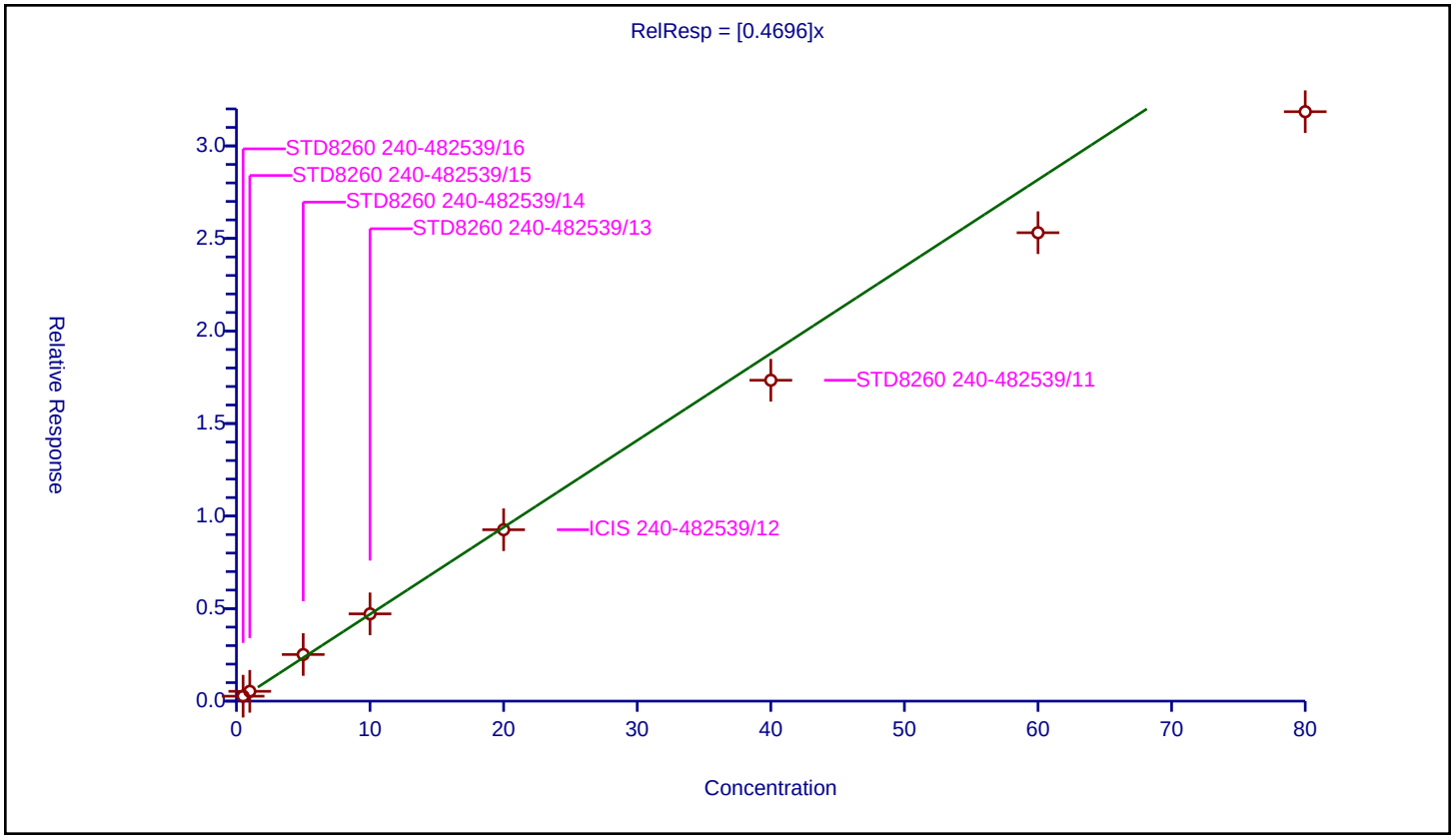
Curve Coefficients

Intercept:	0
Slope:	0.4696

Error Coefficients

Standard Error:	1350000
Relative Standard Error:	10.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.266896	20.0	1103126.0	0.533792	Y
2	STD8260 240-482539/15	1.0	0.530967	20.0	1133064.0	0.530967	Y
3	STD8260 240-482539/14	5.0	2.518636	20.0	1285831.0	0.503727	Y
4	STD8260 240-482539/13	10.0	4.716363	20.0	1407911.0	0.471636	Y
5	ICIS 240-482539/12	20.0	9.261864	20.0	1453811.0	0.463093	Y
6	STD8260 240-482539/11	40.0	17.338536	20.0	1575479.0	0.433463	Y
7	STD8260 240-482539/10	60.0	25.310245	20.0	1594706.0	0.421837	Y
8	STD8260 240-482539/9	80.0	31.848219	20.0	1562115.0	0.398103	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

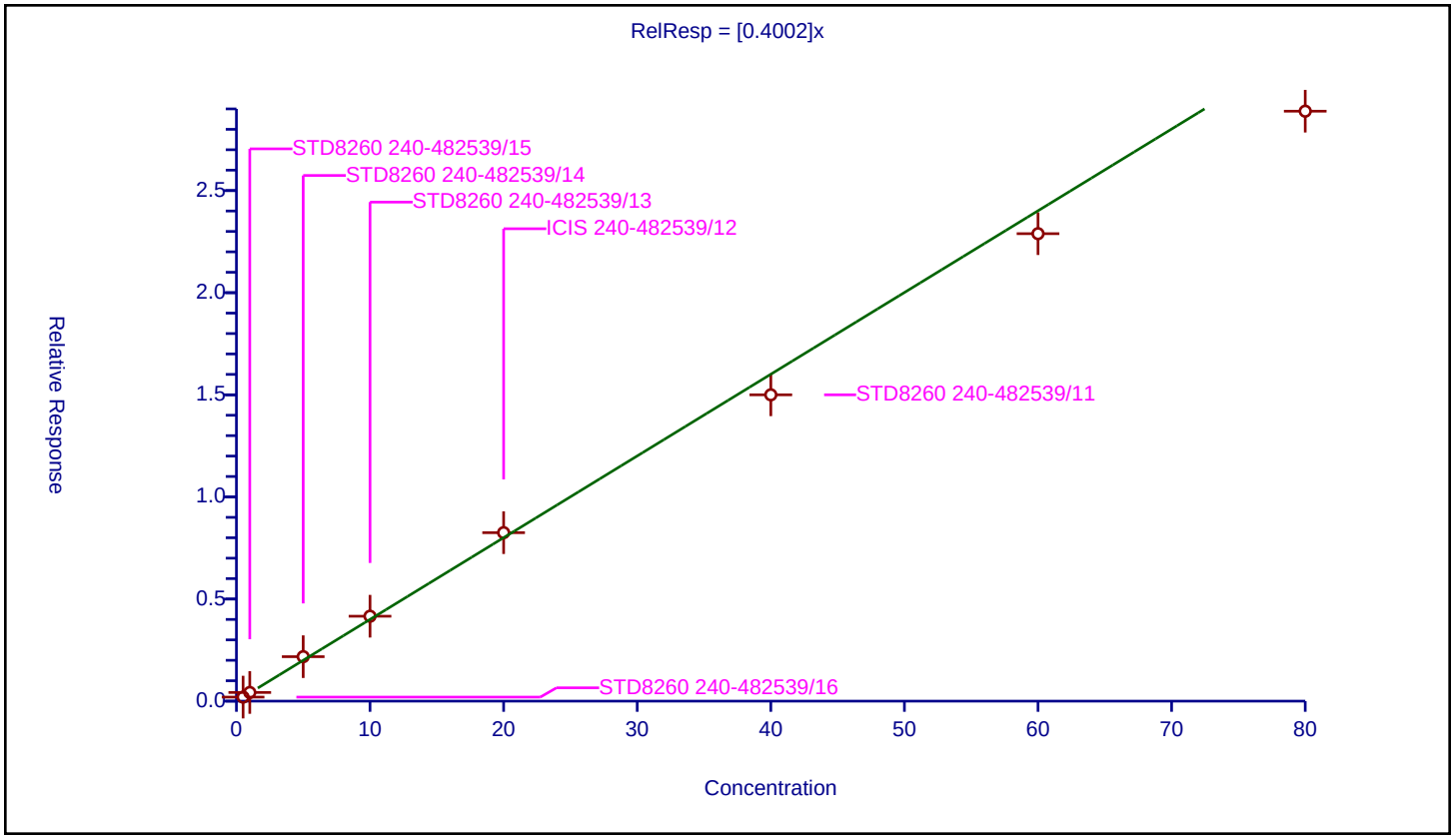
Curve Coefficients

Intercept:	0
Slope:	0.4002

Error Coefficients

Standard Error:	1210000
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 240-482539/16	0.5	0.197838	20.0	1103126.0	0.395676	Y
2	STD8260 240-482539/15	1.0	0.424336	20.0	1133064.0	0.424336	Y
3	STD8260 240-482539/14	5.0	2.177876	20.0	1285831.0	0.435575	Y
4	STD8260 240-482539/13	10.0	4.158331	20.0	1407911.0	0.415833	Y
5	ICIS 240-482539/12	20.0	8.249917	20.0	1453811.0	0.412496	Y
6	STD8260 240-482539/11	40.0	14.999172	20.0	1575479.0	0.374979	Y
7	STD8260 240-482539/10	60.0	22.890037	20.0	1594706.0	0.381501	Y
8	STD8260 240-482539/9	80.0	28.888321	20.0	1562115.0	0.361104	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

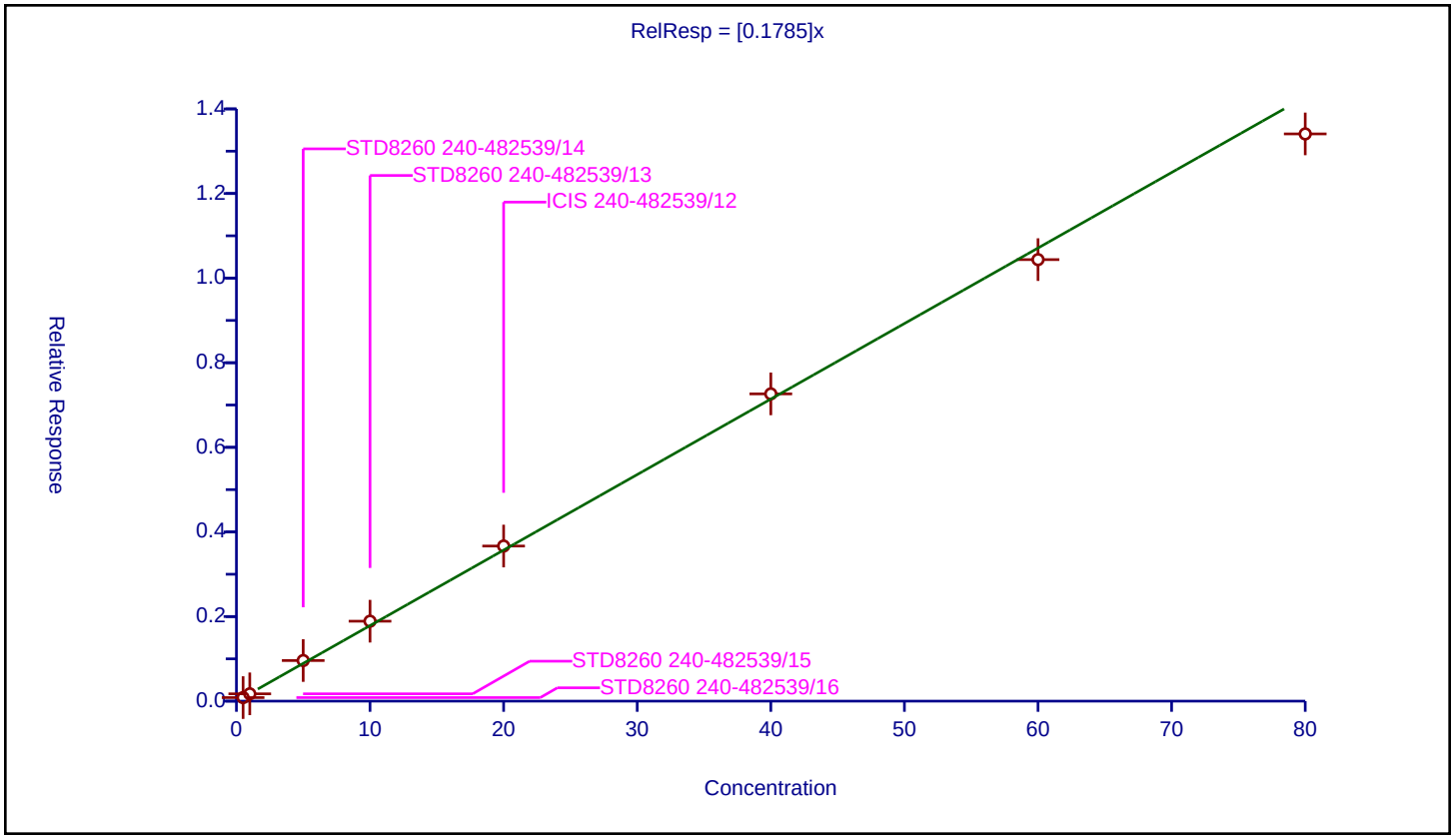
Curve Coefficients

Intercept:	0
Slope:	0.1785

Error Coefficients

Standard Error:	562000
Relative Standard Error:	5.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.083998	20.0	1103126.0	0.167995	Y
2	STD8260 240-482539/15	1.0	0.172718	20.0	1133064.0	0.172718	Y
3	STD8260 240-482539/14	5.0	0.959784	20.0	1285831.0	0.191957	Y
4	STD8260 240-482539/13	10.0	1.889935	20.0	1407911.0	0.188993	Y
5	ICIS 240-482539/12	20.0	3.666749	20.0	1453811.0	0.183337	Y
6	STD8260 240-482539/11	40.0	7.263226	20.0	1575479.0	0.181581	Y
7	STD8260 240-482539/10	60.0	10.436933	20.0	1594706.0	0.173949	Y
8	STD8260 240-482539/9	80.0	13.408821	20.0	1562115.0	0.16761	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

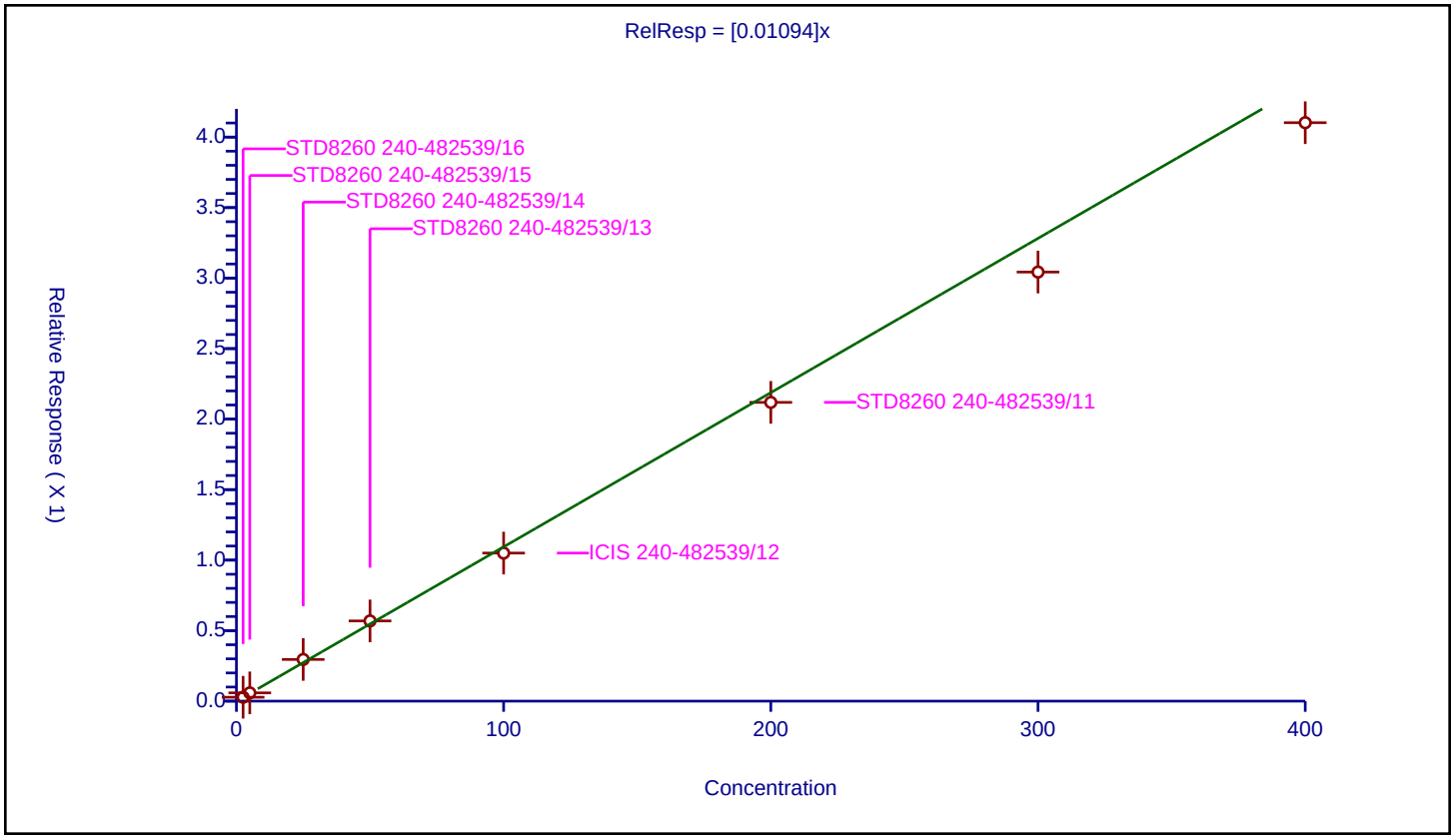
Curve Coefficients

Intercept:	0
Slope:	0.01094

Error Coefficients

Standard Error:	168000
Relative Standard Error:	6.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	2.5	0.027757	20.0	1103126.0	0.011103	Y
2	STD8260 240-482539/15	5.0	0.058585	20.0	1133064.0	0.011717	Y
3	STD8260 240-482539/14	25.0	0.295653	20.0	1285831.0	0.011826	Y
4	STD8260 240-482539/13	50.0	0.568814	20.0	1407911.0	0.011376	Y
5	ICIS 240-482539/12	100.0	1.050013	20.0	1453811.0	0.0105	Y
6	STD8260 240-482539/11	200.0	2.118683	20.0	1575479.0	0.010593	Y
7	STD8260 240-482539/10	300.0	3.042931	20.0	1594706.0	0.010143	Y
8	STD8260 240-482539/9	400.0	4.102208	20.0	1562115.0	0.010256	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

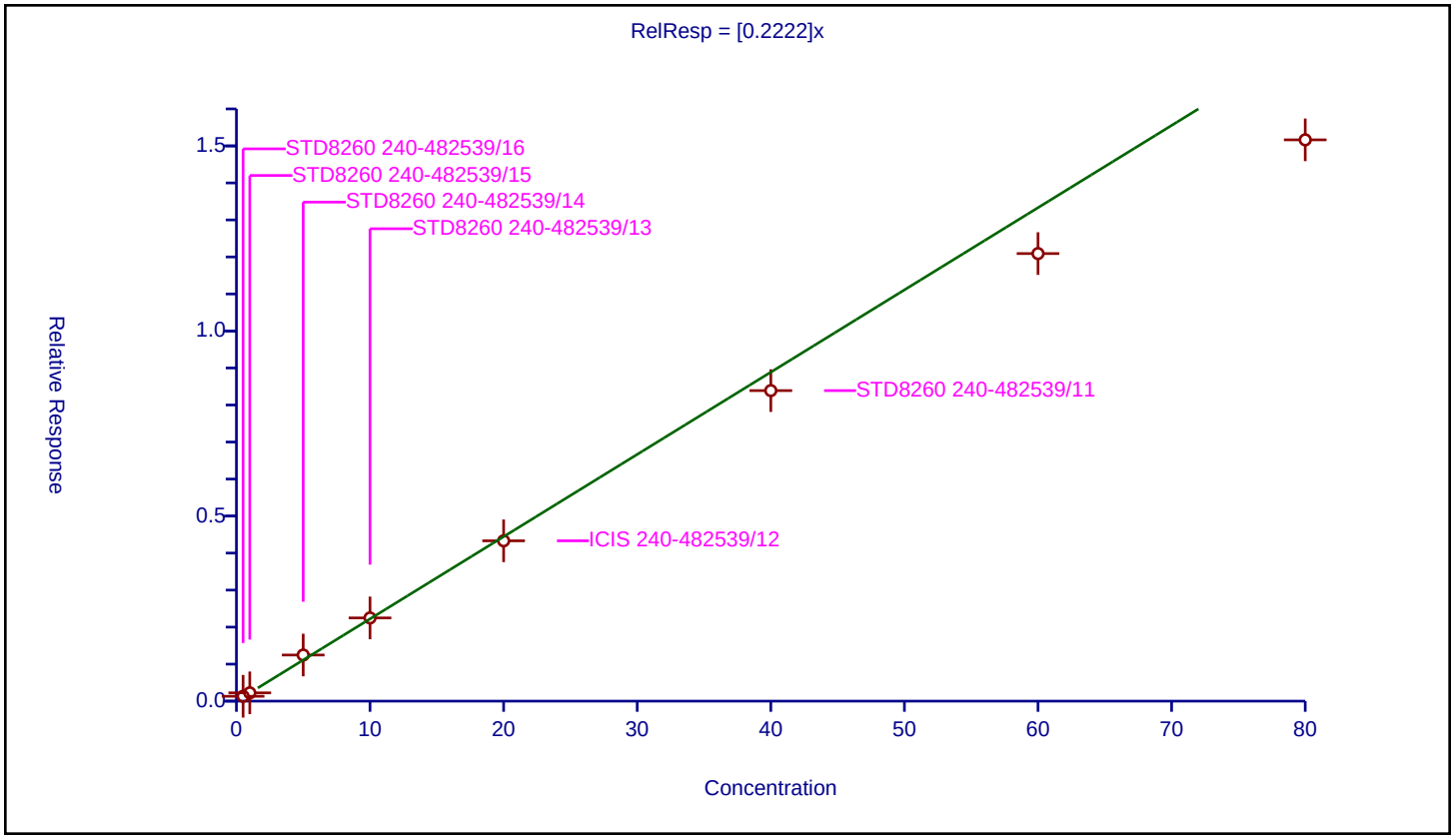
Curve Coefficients

Intercept:	0
Slope:	0.2222

Error Coefficients

Standard Error:	644000
Relative Standard Error:	10.8
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.1311	20.0	1103126.0	0.2622	Y
2	STD8260 240-482539/15	1.0	0.223906	20.0	1133064.0	0.223906	Y
3	STD8260 240-482539/14	5.0	1.245809	20.0	1285831.0	0.249162	Y
4	STD8260 240-482539/13	10.0	2.248452	20.0	1407911.0	0.224845	Y
5	ICIS 240-482539/12	20.0	4.331567	20.0	1453811.0	0.216578	Y
6	STD8260 240-482539/11	40.0	8.389766	20.0	1575479.0	0.209744	Y
7	STD8260 240-482539/10	60.0	12.09157	20.0	1594706.0	0.201526	Y
8	STD8260 240-482539/9	80.0	15.163544	20.0	1562115.0	0.189544	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

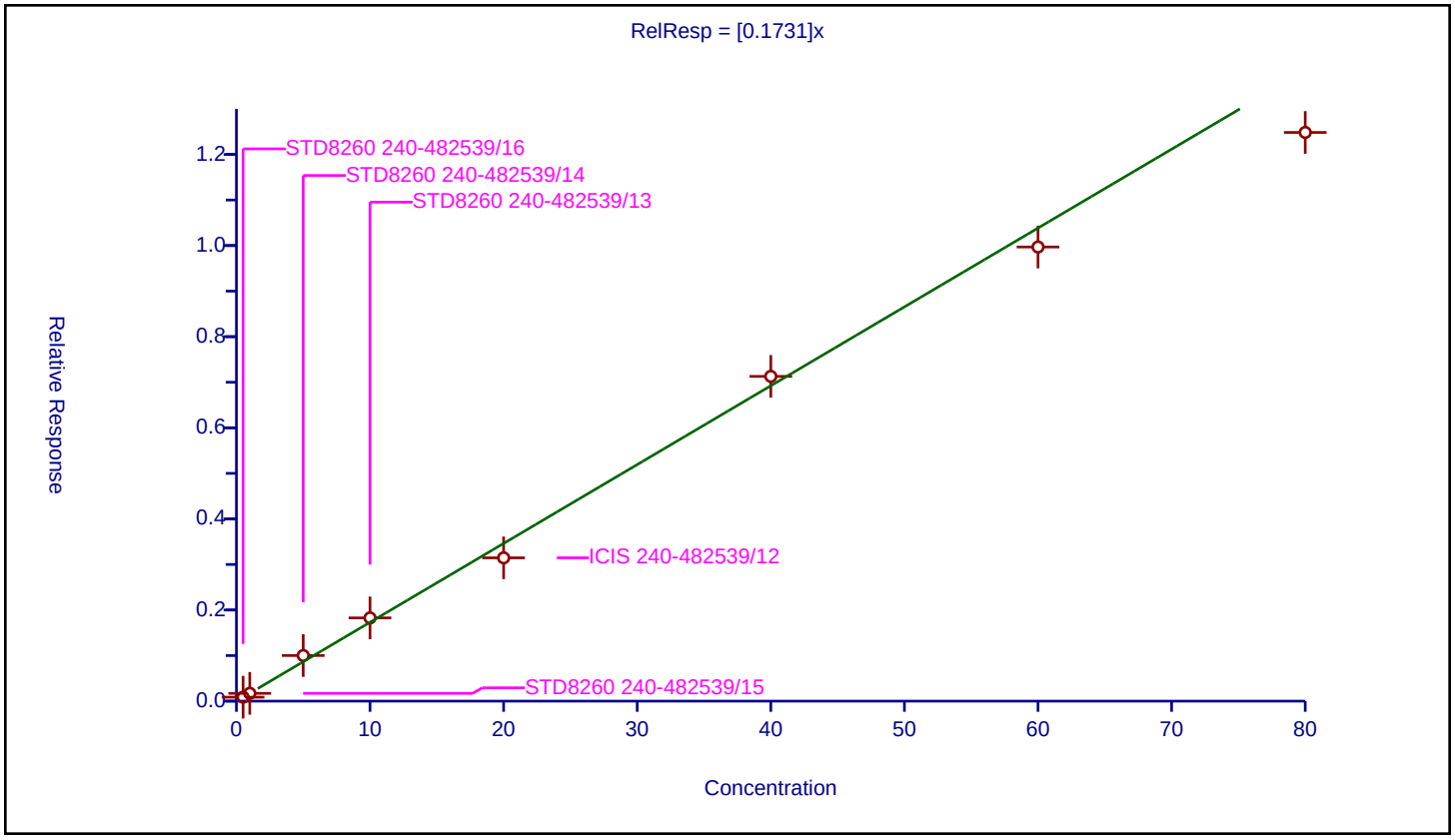
Curve Coefficients

Intercept:	0
Slope:	0.1731

Error Coefficients

Standard Error:	531000
Relative Standard Error:	8.3
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.086554	20.0	1103126.0	0.173108	Y
2	STD8260 240-482539/15	1.0	0.170829	20.0	1133064.0	0.170829	Y
3	STD8260 240-482539/14	5.0	1.001407	20.0	1285831.0	0.200281	Y
4	STD8260 240-482539/13	10.0	1.827019	20.0	1407911.0	0.182702	Y
5	ICIS 240-482539/12	20.0	3.145526	20.0	1453811.0	0.157276	Y
6	STD8260 240-482539/11	40.0	7.128727	20.0	1575479.0	0.178218	Y
7	STD8260 240-482539/10	60.0	9.968759	20.0	1594706.0	0.166146	Y
8	STD8260 240-482539/9	80.0	12.483396	20.0	1562115.0	0.156042	Y



Calibration / Acetone

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

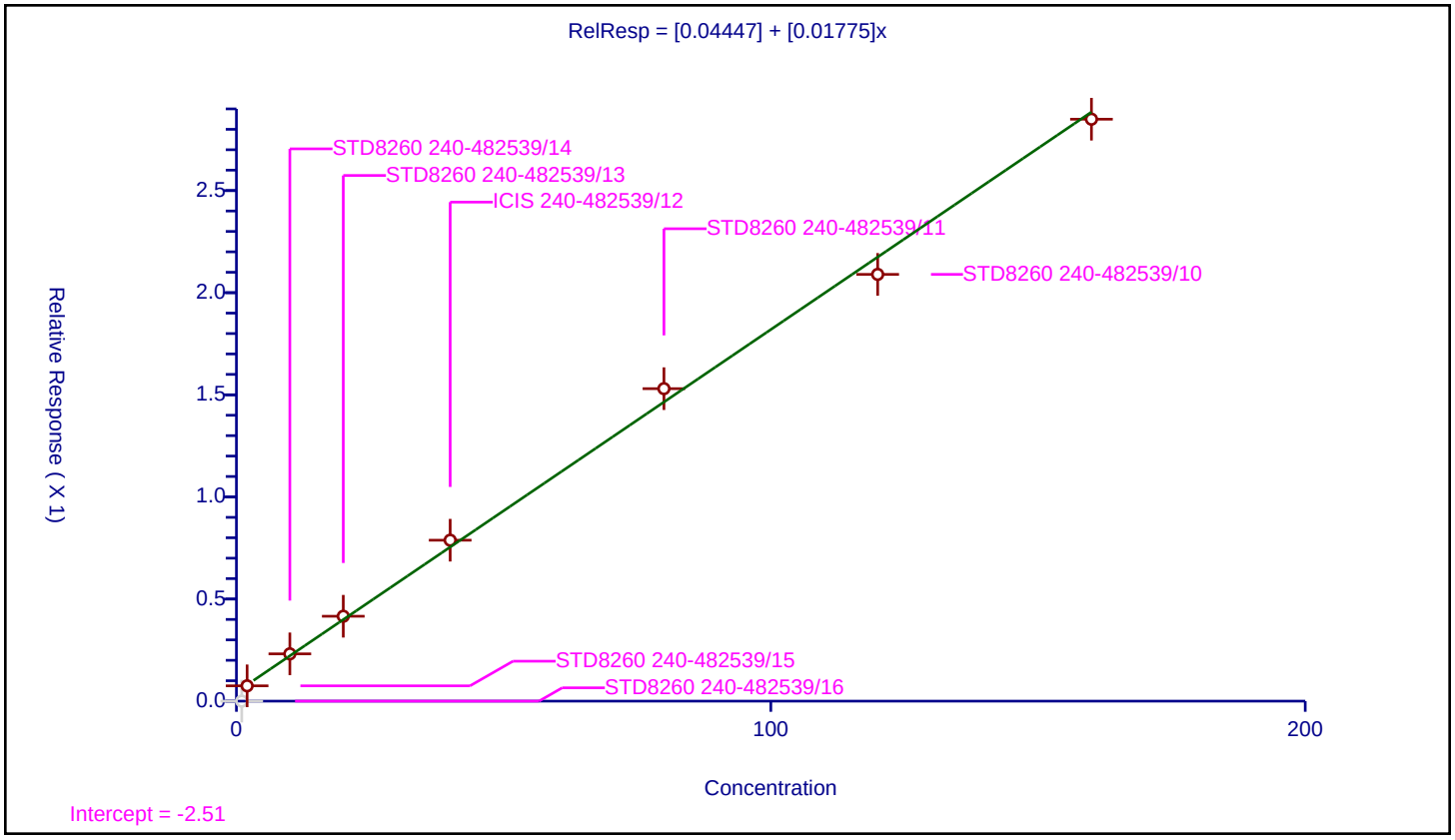
Curve Coefficients

Intercept:	0.04447
Slope:	0.01775

Error Coefficients

Standard Error:	139000
Relative Standard Error:	7.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	1.0	0.0	20.0	1103126.0	0.0	N
2	STD8260 240-482539/15	2.0	0.074965	20.0	1133064.0	0.037482	Y
3	STD8260 240-482539/14	10.0	0.231617	20.0	1285831.0	0.023162	Y
4	STD8260 240-482539/13	20.0	0.41568	20.0	1407911.0	0.020784	Y
5	ICIS 240-482539/12	40.0	0.78808	20.0	1453811.0	0.019702	Y
6	STD8260 240-482539/11	80.0	1.5301	20.0	1575479.0	0.019126	Y
7	STD8260 240-482539/10	120.0	2.089627	20.0	1594706.0	0.017414	Y
8	STD8260 240-482539/9	160.0	2.84956	20.0	1562115.0	0.01781	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

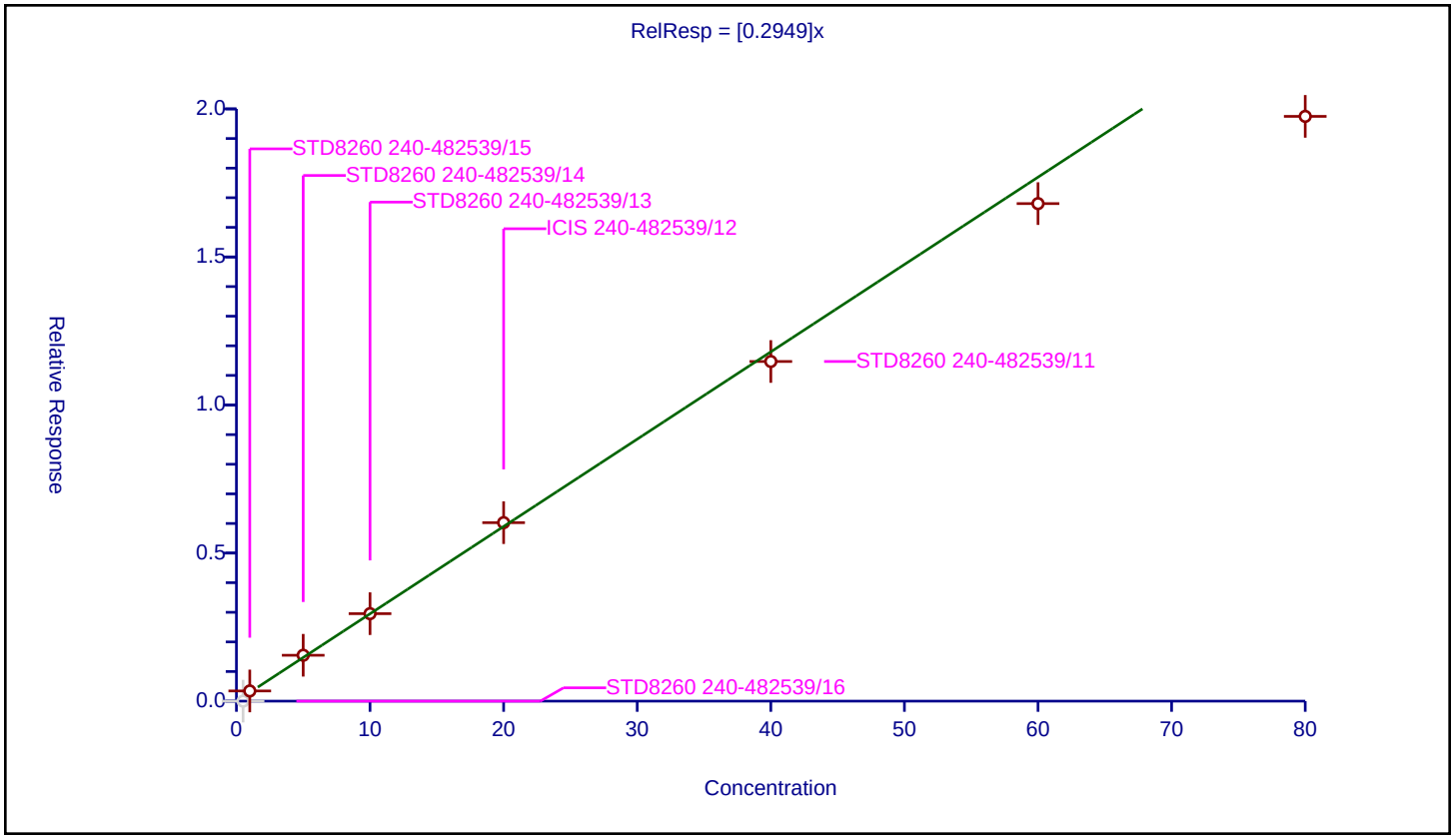
Curve Coefficients

Intercept:	0
Slope:	0.2949

Error Coefficients

Standard Error:	934000
Relative Standard Error:	10.1
Correlation Coefficient:	0.988
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.0	20.0	1103126.0	0.0	N
2	STD8260 240-482539/15	1.0	0.344041	20.0	1133064.0	0.344041	Y
3	STD8260 240-482539/14	5.0	1.549535	20.0	1285831.0	0.309907	Y
4	STD8260 240-482539/13	10.0	2.953965	20.0	1407911.0	0.295397	Y
5	ICIS 240-482539/12	20.0	6.027909	20.0	1453811.0	0.301395	Y
6	STD8260 240-482539/11	40.0	11.469934	20.0	1575479.0	0.286748	Y
7	STD8260 240-482539/10	60.0	16.801655	20.0	1594706.0	0.280028	Y
8	STD8260 240-482539/9	80.0	19.74765	20.0	1562115.0	0.246846	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

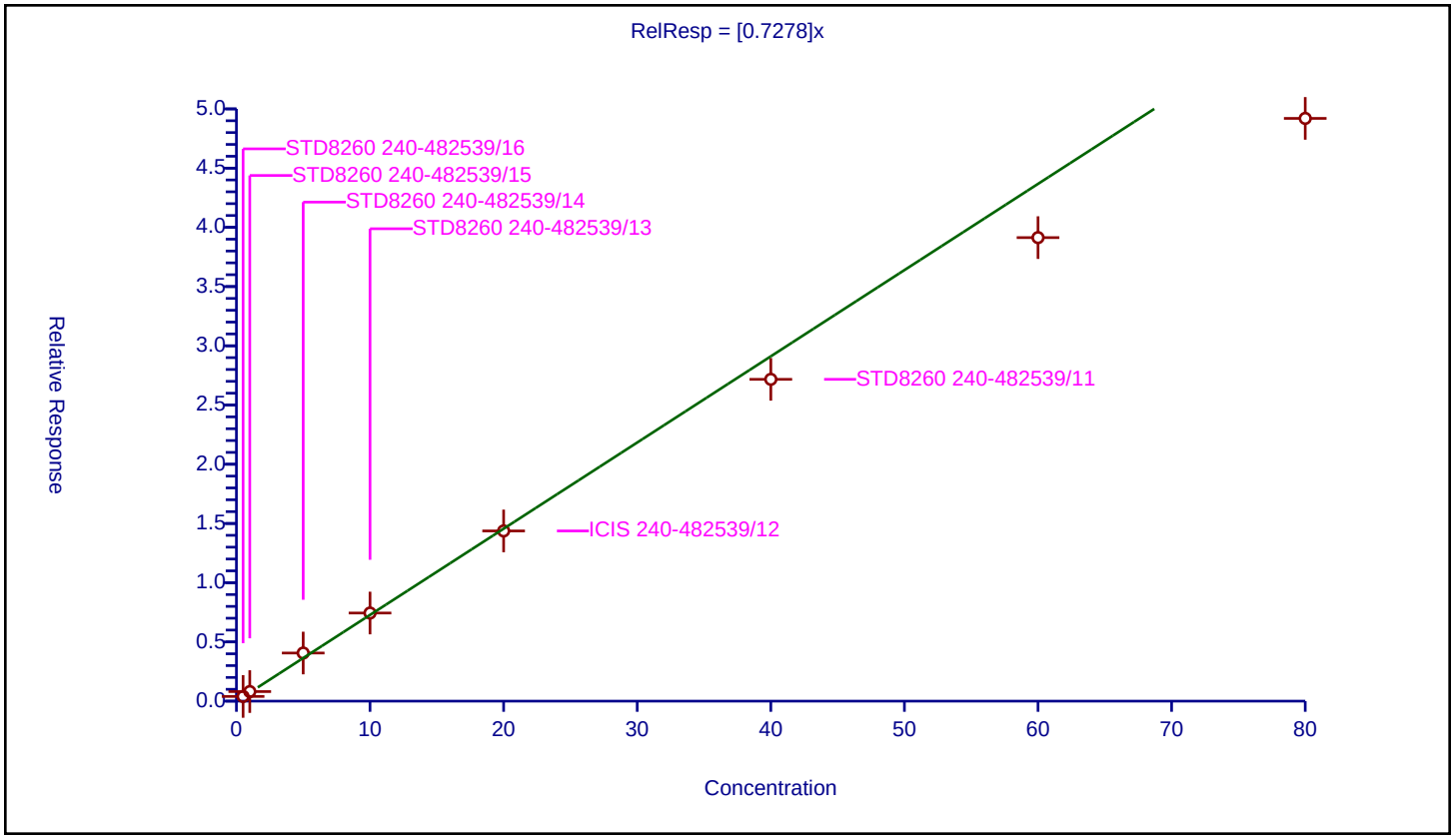
Curve Coefficients

Intercept:	0
Slope:	0.7278

Error Coefficients

Standard Error:	2090000
Relative Standard Error:	10.3
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.396147	20.0	1103126.0	0.792294	Y
2	STD8260 240-482539/15	1.0	0.808798	20.0	1133064.0	0.808798	Y
3	STD8260 240-482539/14	5.0	4.062587	20.0	1285831.0	0.812517	Y
4	STD8260 240-482539/13	10.0	7.438865	20.0	1407911.0	0.743887	Y
5	ICIS 240-482539/12	20.0	14.369227	20.0	1453811.0	0.718461	Y
6	STD8260 240-482539/11	40.0	27.167953	20.0	1575479.0	0.679199	Y
7	STD8260 240-482539/10	60.0	39.13199	20.0	1594706.0	0.6522	Y
8	STD8260 240-482539/9	80.0	49.196916	20.0	1562115.0	0.614961	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

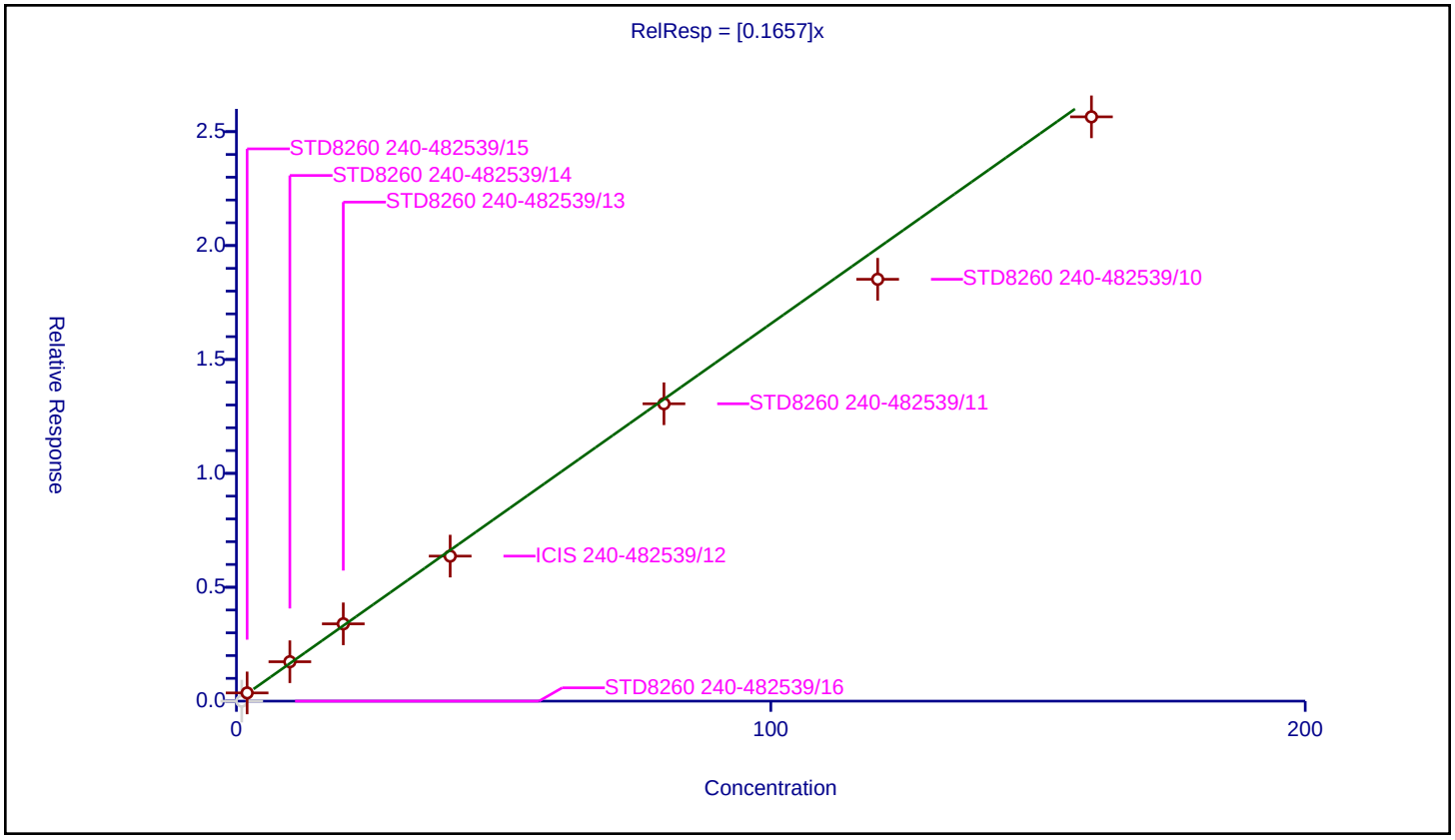
Curve Coefficients

Intercept:	0
Slope:	0.1657

Error Coefficients

Standard Error:	1120000
Relative Standard Error:	5.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	1.0	0.0	20.0	1103126.0	0.0	N
2	STD8260 240-482539/15	2.0	0.360209	20.0	1133064.0	0.180105	Y
3	STD8260 240-482539/14	10.0	1.729419	20.0	1285831.0	0.172942	Y
4	STD8260 240-482539/13	20.0	3.394007	20.0	1407911.0	0.1697	Y
5	ICIS 240-482539/12	40.0	6.366839	20.0	1453811.0	0.159171	Y
6	STD8260 240-482539/11	80.0	13.054874	20.0	1575479.0	0.163186	Y
7	STD8260 240-482539/10	120.0	18.519802	20.0	1594706.0	0.154332	Y
8	STD8260 240-482539/9	160.0	25.651146	20.0	1562115.0	0.16032	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

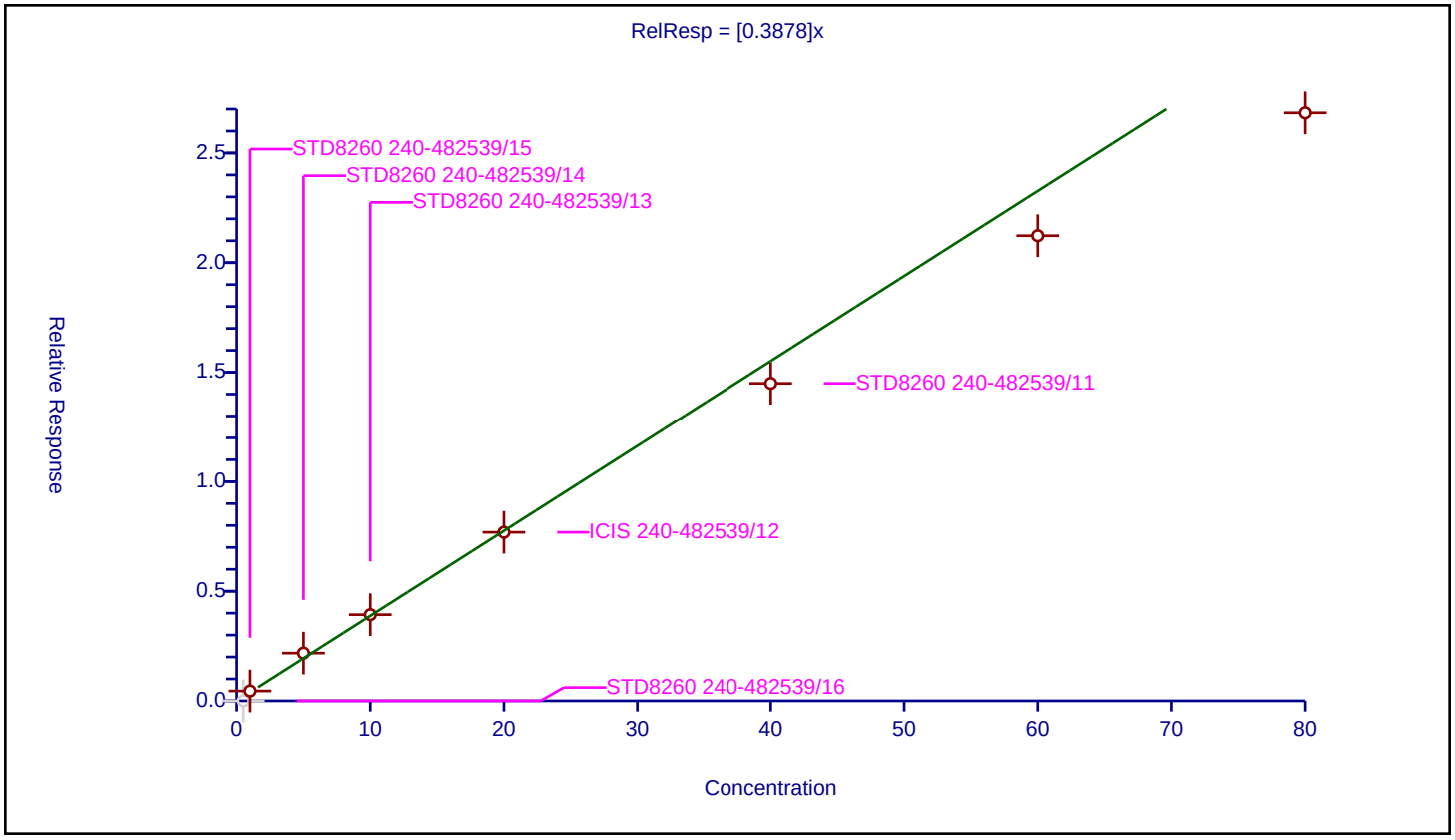
Curve Coefficients

Intercept:	0
Slope:	0.3878

Error Coefficients

Standard Error:	1220000
Relative Standard Error:	10.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.0	20.0	1103126.0	0.0	N
2	STD8260 240-482539/15	1.0	0.450266	20.0	1133064.0	0.450266	Y
3	STD8260 240-482539/14	5.0	2.175978	20.0	1285831.0	0.435196	Y
4	STD8260 240-482539/13	10.0	3.931243	20.0	1407911.0	0.393124	Y
5	ICIS 240-482539/12	20.0	7.689789	20.0	1453811.0	0.384489	Y
6	STD8260 240-482539/11	40.0	14.492189	20.0	1575479.0	0.362305	Y
7	STD8260 240-482539/10	60.0	21.229894	20.0	1594706.0	0.353832	Y
8	STD8260 240-482539/9	80.0	26.828819	20.0	1562115.0	0.33536	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

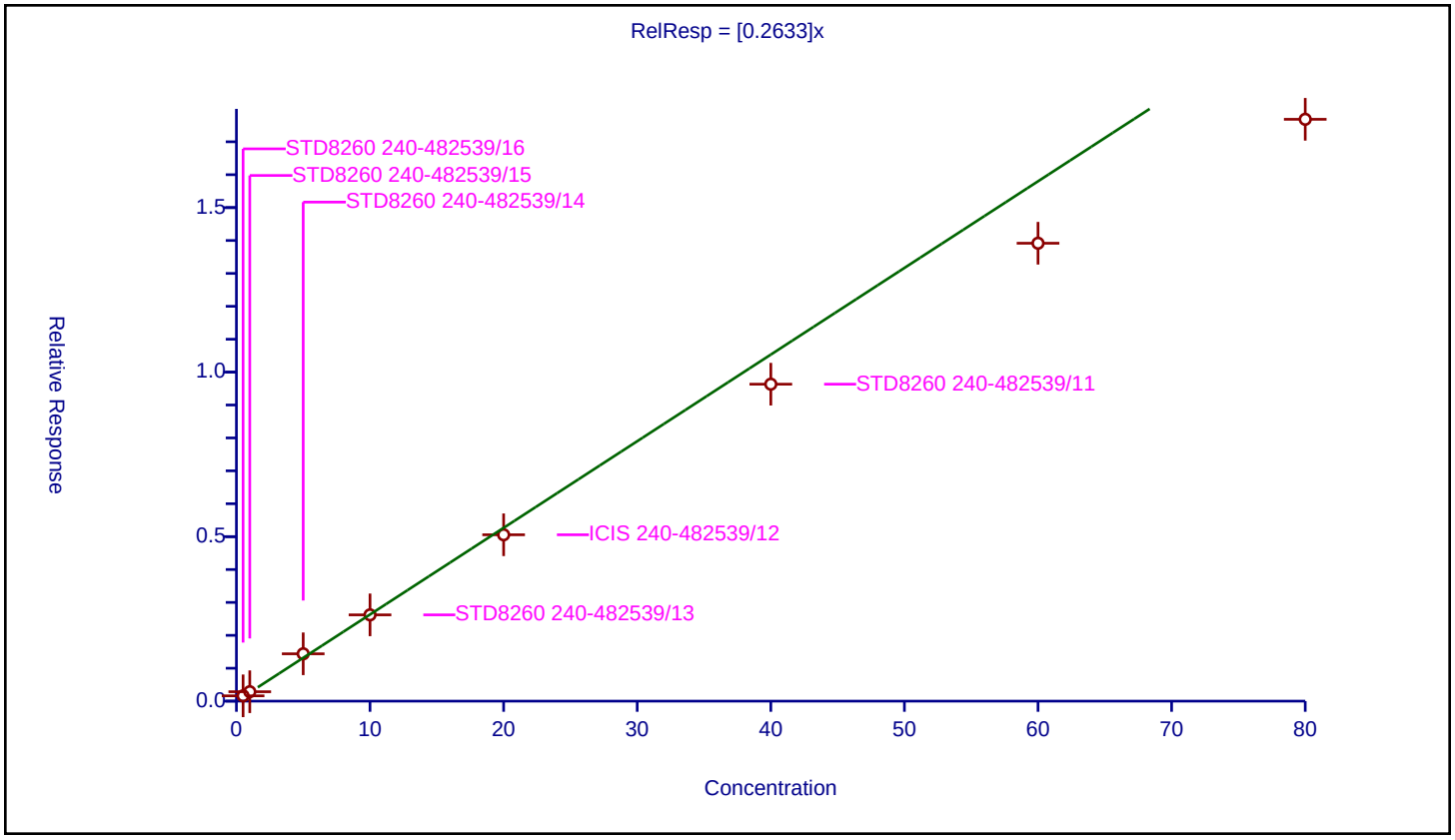
Curve Coefficients

Intercept:	0
Slope:	0.2633

Error Coefficients

Standard Error:	746000
Relative Standard Error:	13.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.161849	20.0	1103126.0	0.323698	Y
2	STD8260 240-482539/15	1.0	0.286215	20.0	1133064.0	0.286215	Y
3	STD8260 240-482539/14	5.0	1.438867	20.0	1285831.0	0.287773	Y
4	STD8260 240-482539/13	10.0	2.622367	20.0	1407911.0	0.262237	Y
5	ICIS 240-482539/12	20.0	5.056022	20.0	1453811.0	0.252801	Y
6	STD8260 240-482539/11	40.0	9.633553	20.0	1575479.0	0.240839	Y
7	STD8260 240-482539/10	60.0	13.916722	20.0	1594706.0	0.231945	Y
8	STD8260 240-482539/9	80.0	17.683359	20.0	1562115.0	0.221042	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

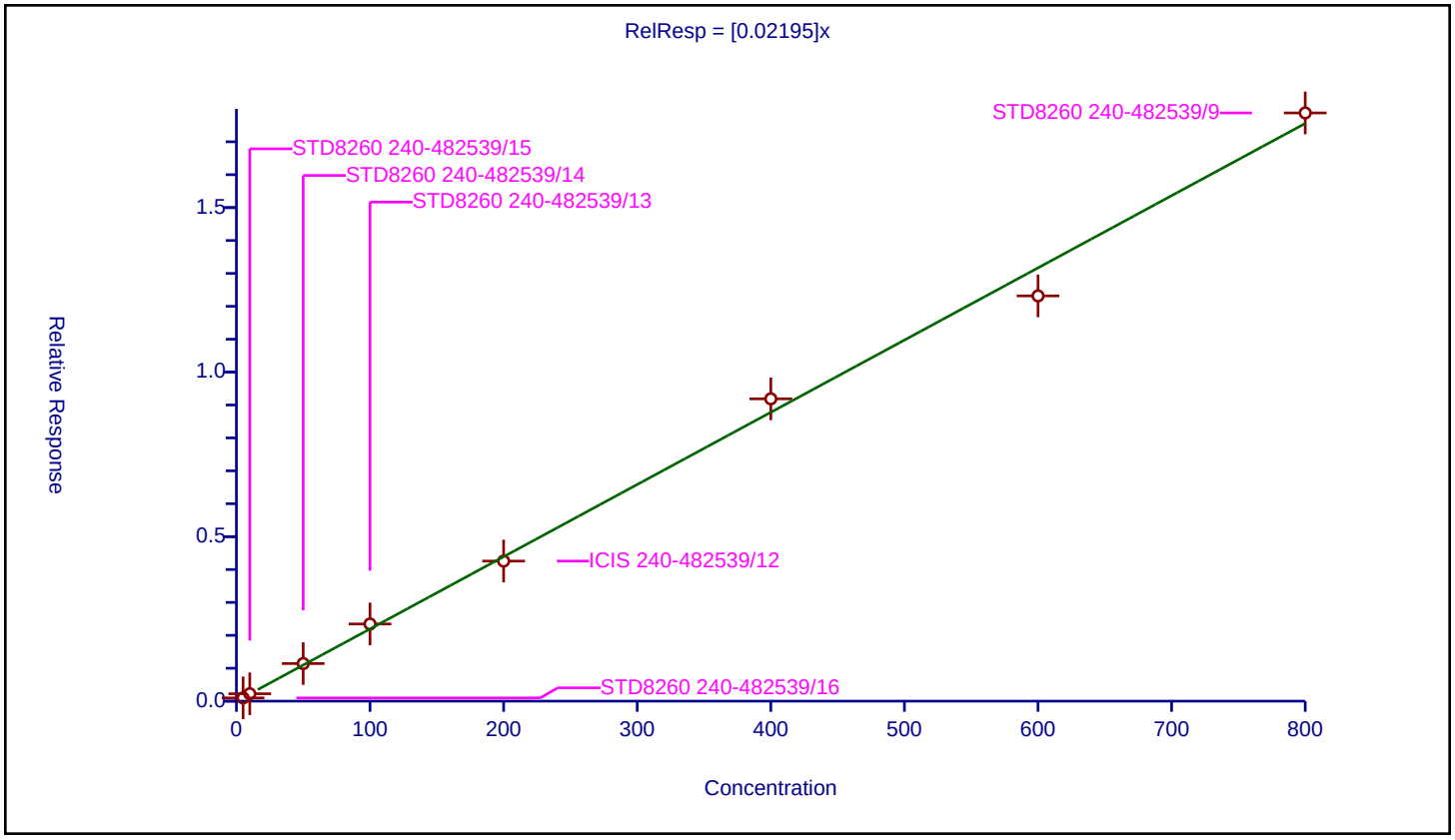
Curve Coefficients

Intercept:	0
Slope:	0.02195

Error Coefficients

Standard Error:	714000
Relative Standard Error:	6.0
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	5.0	0.098502	20.0	1103126.0	0.0197	Y
2	STD8260 240-482539/15	10.0	0.224506	20.0	1133064.0	0.022451	Y
3	STD8260 240-482539/14	50.0	1.142265	20.0	1285831.0	0.022845	Y
4	STD8260 240-482539/13	100.0	2.345106	20.0	1407911.0	0.023451	Y
5	ICIS 240-482539/12	200.0	4.256922	20.0	1453811.0	0.021285	Y
6	STD8260 240-482539/11	400.0	9.187923	20.0	1575479.0	0.02297	Y
7	STD8260 240-482539/10	600.0	12.316364	20.0	1594706.0	0.020527	Y
8	STD8260 240-482539/9	800.0	17.876597	20.0	1562115.0	0.022346	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

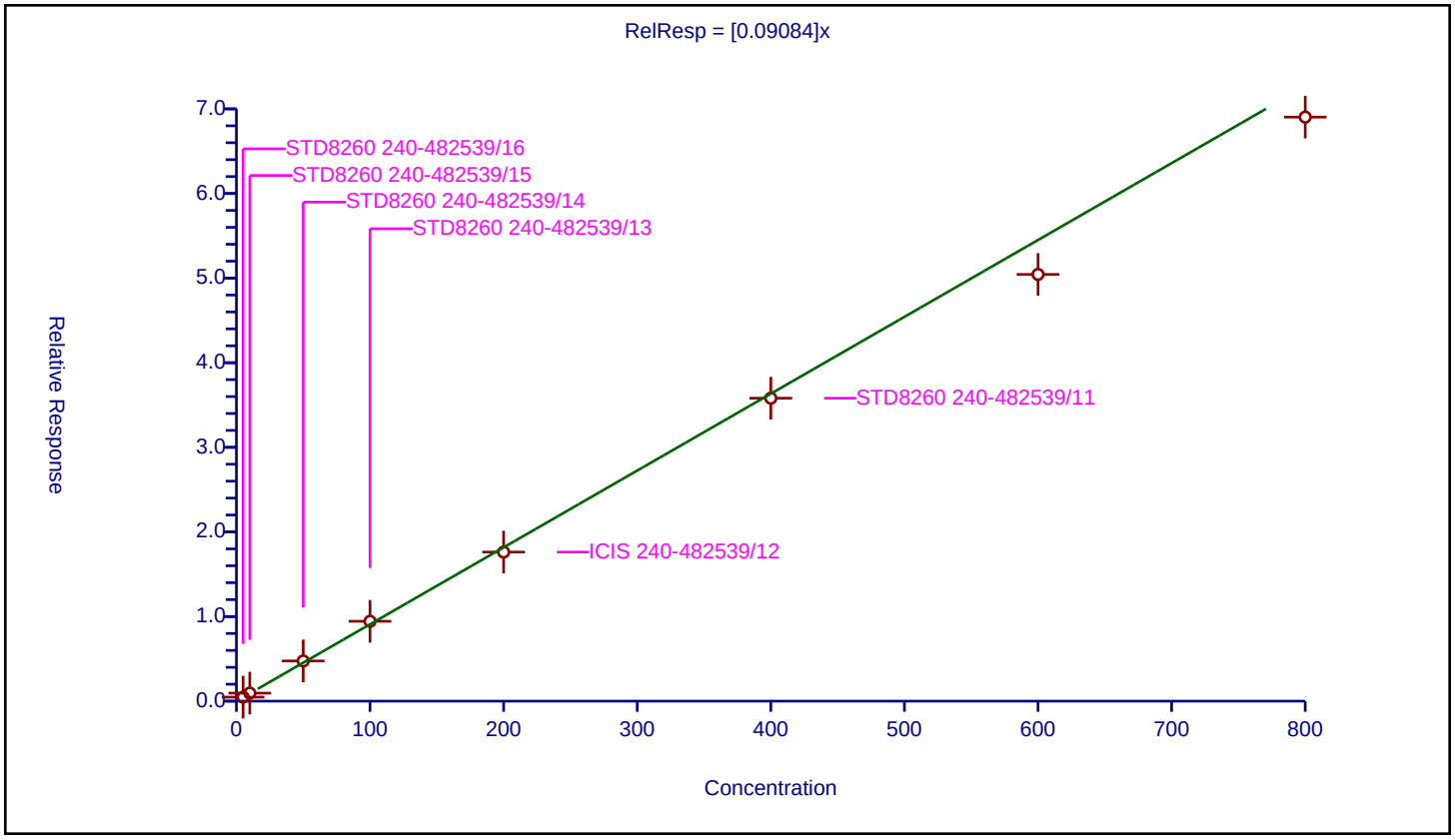
Curve Coefficients

Intercept:	0
Slope:	0.09084

Error Coefficients

Standard Error:	2810000
Relative Standard Error:	4.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	5.0	0.472838	20.0	1103126.0	0.094568	Y
2	STD8260 240-482539/15	10.0	0.947643	20.0	1133064.0	0.094764	Y
3	STD8260 240-482539/14	50.0	4.750935	20.0	1285831.0	0.095019	Y
4	STD8260 240-482539/13	100.0	9.439361	20.0	1407911.0	0.094394	Y
5	ICIS 240-482539/12	200.0	17.620406	20.0	1453811.0	0.088102	Y
6	STD8260 240-482539/11	400.0	35.807205	20.0	1575479.0	0.089518	Y
7	STD8260 240-482539/10	600.0	50.435905	20.0	1594706.0	0.08406	Y
8	STD8260 240-482539/9	800.0	69.028029	20.0	1562115.0	0.086285	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

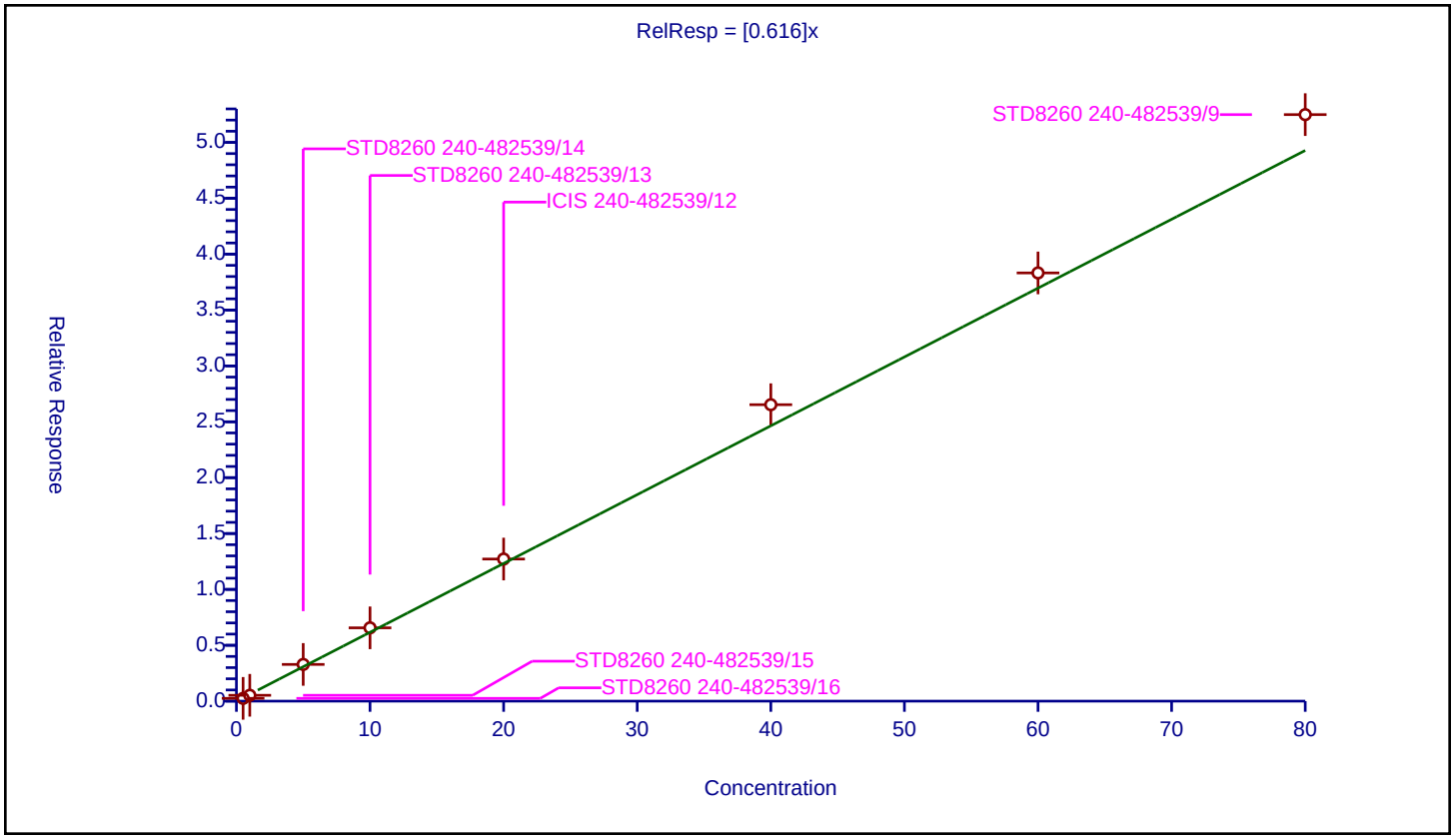
Curve Coefficients

Intercept:	0
Slope:	0.616

Error Coefficients

Standard Error:	2130000
Relative Standard Error:	10.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.248621	20.0	1103126.0	0.497241	Y
2	STD8260 240-482539/15	1.0	0.52366	20.0	1133064.0	0.52366	Y
3	STD8260 240-482539/14	5.0	3.285751	20.0	1285831.0	0.65715	Y
4	STD8260 240-482539/13	10.0	6.561281	20.0	1407911.0	0.656128	Y
5	ICIS 240-482539/12	20.0	12.715862	20.0	1453811.0	0.635793	Y
6	STD8260 240-482539/11	40.0	26.528872	20.0	1575479.0	0.663222	Y
7	STD8260 240-482539/10	60.0	38.320643	20.0	1594706.0	0.638677	Y
8	STD8260 240-482539/9	80.0	52.488568	20.0	1562115.0	0.656107	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

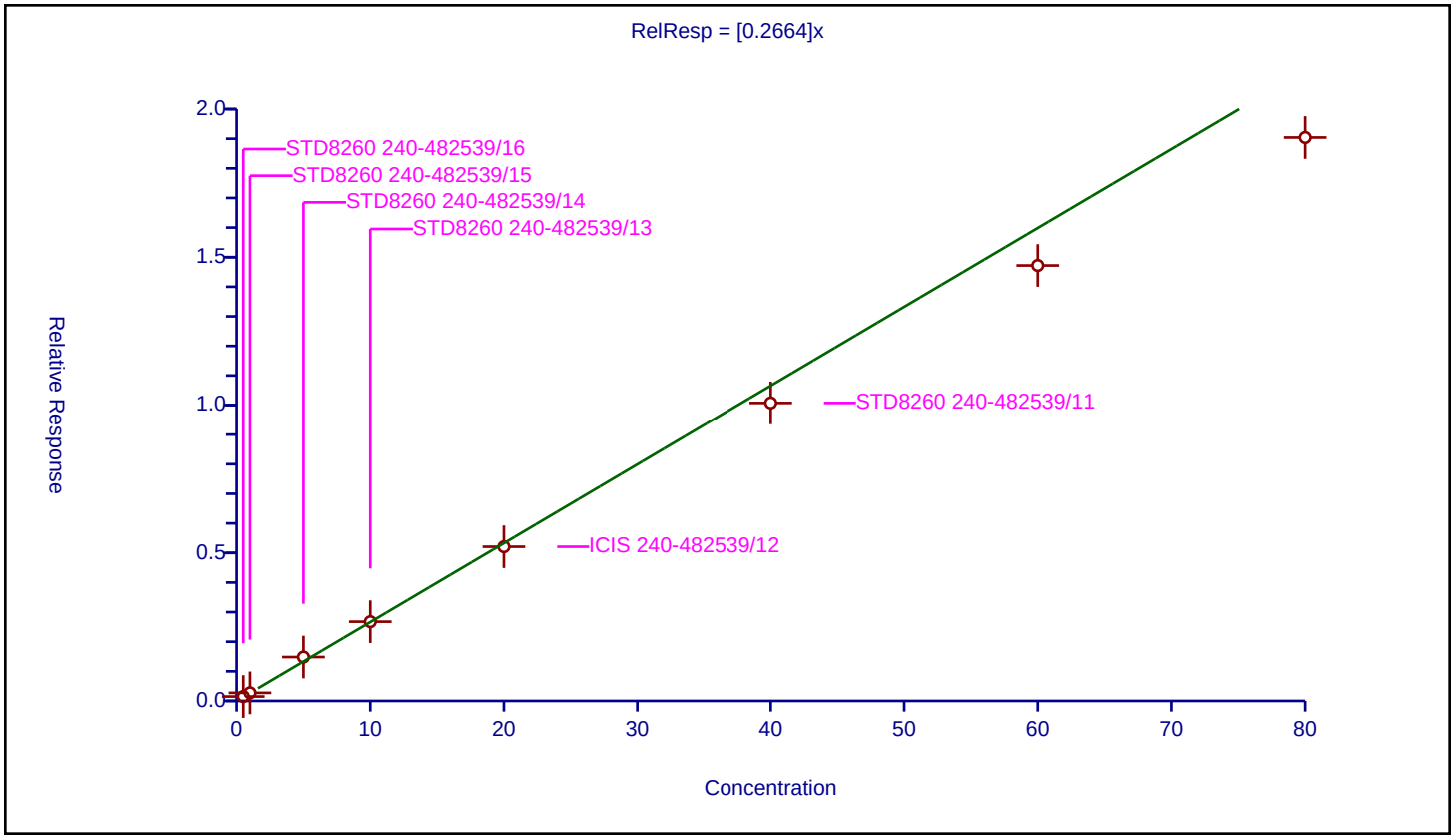
Curve Coefficients

Intercept:	0
Slope:	0.2664

Error Coefficients

Standard Error:	793000
Relative Standard Error:	8.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.149212	20.0	1103126.0	0.298425	Y
2	STD8260 240-482539/15	1.0	0.273012	20.0	1133064.0	0.273012	Y
3	STD8260 240-482539/14	5.0	1.483056	20.0	1285831.0	0.296611	Y
4	STD8260 240-482539/13	10.0	2.676987	20.0	1407911.0	0.267699	Y
5	ICIS 240-482539/12	20.0	5.210306	20.0	1453811.0	0.260515	Y
6	STD8260 240-482539/11	40.0	10.072086	20.0	1575479.0	0.251802	Y
7	STD8260 240-482539/10	60.0	14.71993	20.0	1594706.0	0.245332	Y
8	STD8260 240-482539/9	80.0	19.041543	20.0	1562115.0	0.238019	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

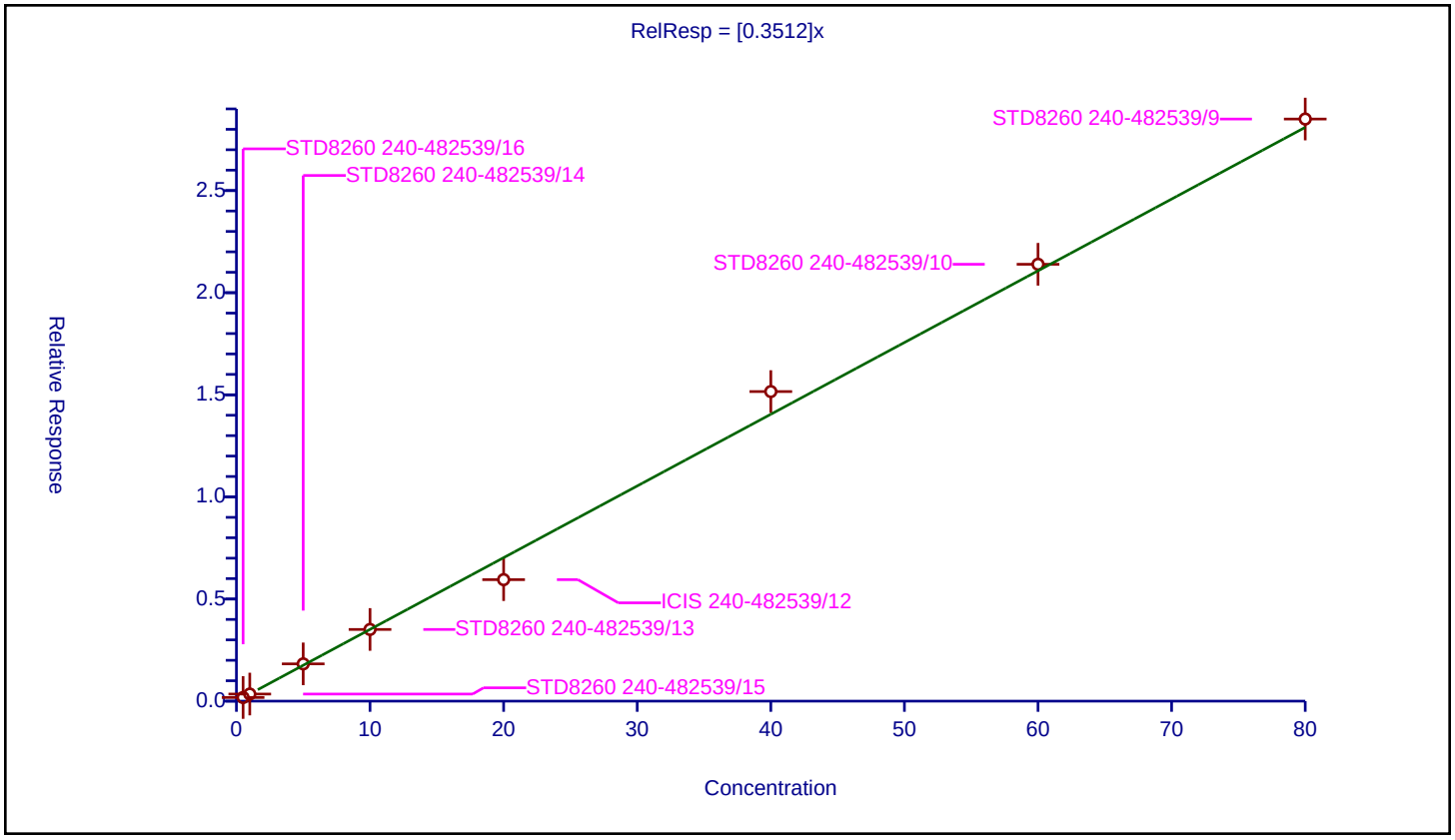
Curve Coefficients

Intercept:	0
Slope:	0.3512

Error Coefficients

Standard Error:	1170000
Relative Standard Error:	6.8
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.178348	20.0	1103126.0	0.356695	Y
2	STD8260 240-482539/15	1.0	0.347712	20.0	1133064.0	0.347712	Y
3	STD8260 240-482539/14	5.0	1.824657	20.0	1285831.0	0.364931	Y
4	STD8260 240-482539/13	10.0	3.510762	20.0	1407911.0	0.351076	Y
5	ICIS 240-482539/12	20.0	5.948297	20.0	1453811.0	0.297415	Y
6	STD8260 240-482539/11	40.0	15.158603	20.0	1575479.0	0.378965	Y
7	STD8260 240-482539/10	60.0	21.391404	20.0	1594706.0	0.356523	Y
8	STD8260 240-482539/9	80.0	28.503702	20.0	1562115.0	0.356296	Y



Calibration / Vinyl acetate

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

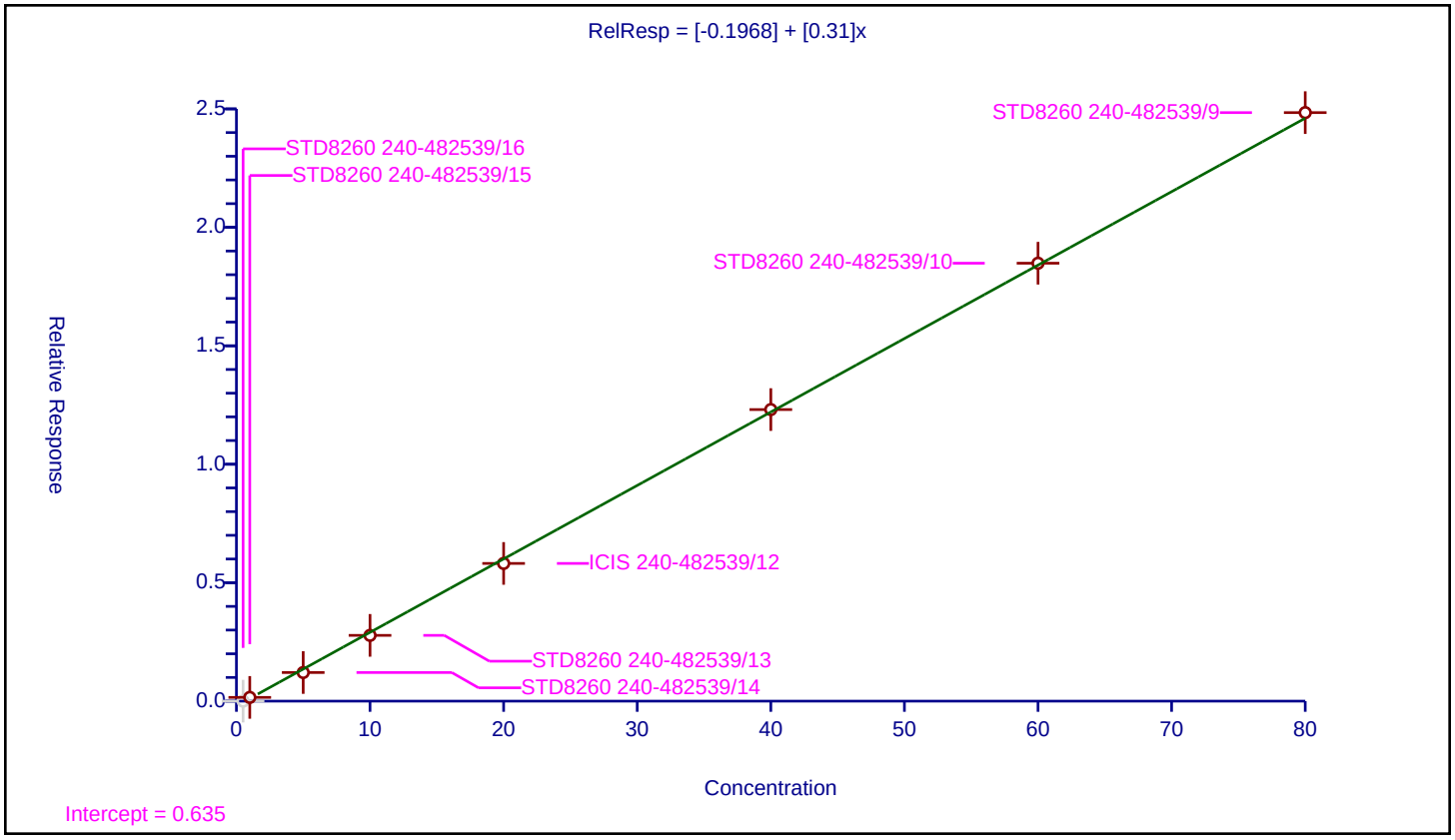
Curve Coefficients

Intercept:	-0.1968
Slope:	0.31

Error Coefficients

Standard Error:	1190000
Relative Standard Error:	8.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.0	20.0	1103126.0	0.0	N
2	STD8260 240-482539/15	1.0	0.157696	20.0	1133064.0	0.157696	Y
3	STD8260 240-482539/14	5.0	1.208386	20.0	1285831.0	0.241677	Y
4	STD8260 240-482539/13	10.0	2.776085	20.0	1407911.0	0.277608	Y
5	ICIS 240-482539/12	20.0	5.812626	20.0	1453811.0	0.290631	Y
6	STD8260 240-482539/11	40.0	12.307711	20.0	1575479.0	0.307693	Y
7	STD8260 240-482539/10	60.0	18.485903	20.0	1594706.0	0.308098	Y
8	STD8260 240-482539/9	80.0	24.842294	20.0	1562115.0	0.310529	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

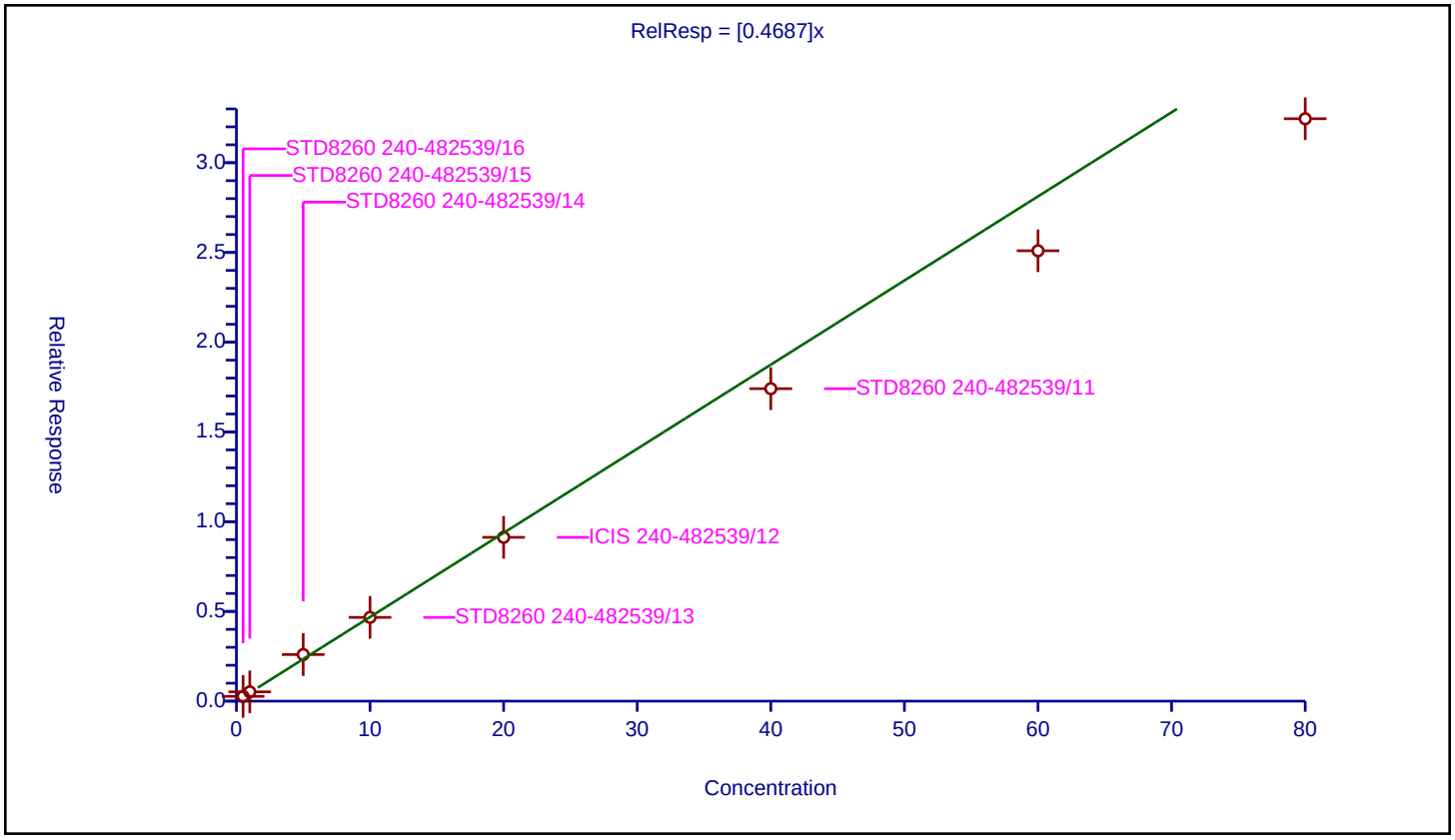
Curve Coefficients

Intercept:	0
Slope:	0.4687

Error Coefficients

Standard Error:	1360000
Relative Standard Error:	10.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.265754	20.0	1103126.0	0.531508	Y
2	STD8260 240-482539/15	1.0	0.516776	20.0	1133064.0	0.516776	Y
3	STD8260 240-482539/14	5.0	2.596811	20.0	1285831.0	0.519362	Y
4	STD8260 240-482539/13	10.0	4.666943	20.0	1407911.0	0.466694	Y
5	ICIS 240-482539/12	20.0	9.127294	20.0	1453811.0	0.456365	Y
6	STD8260 240-482539/11	40.0	17.410337	20.0	1575479.0	0.435258	Y
7	STD8260 240-482539/10	60.0	25.095083	20.0	1594706.0	0.418251	Y
8	STD8260 240-482539/9	80.0	32.451606	20.0	1562115.0	0.405645	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

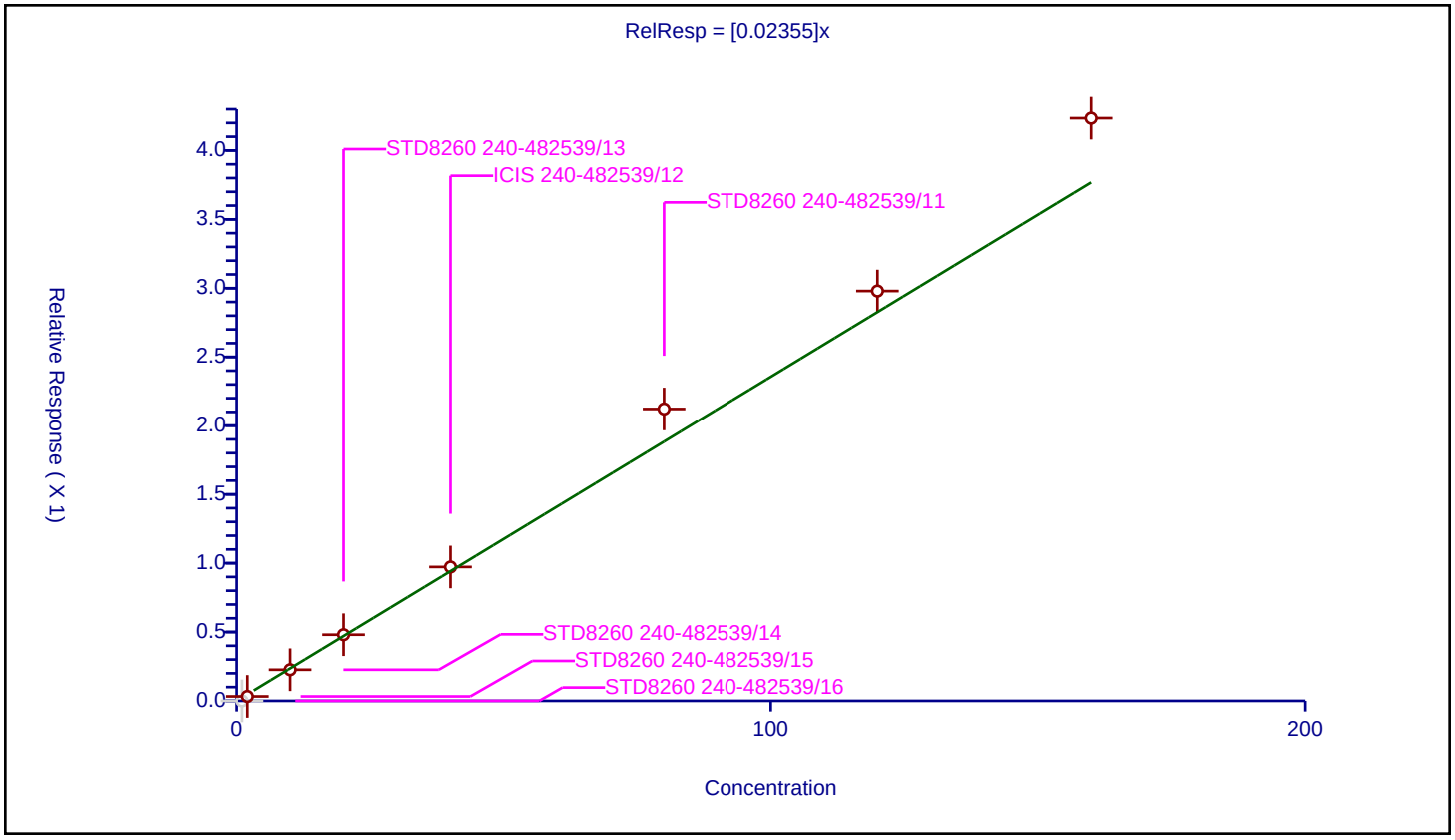
Curve Coefficients

Intercept:	0
Slope:	0.02355

Error Coefficients

Standard Error:	183000
Relative Standard Error:	15.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	1.0	0.0	20.0	1103126.0	0.0	N
2	STD8260 240-482539/15	2.0	0.032214	20.0	1133064.0	0.016107	Y
3	STD8260 240-482539/14	10.0	0.226033	20.0	1285831.0	0.022603	Y
4	STD8260 240-482539/13	20.0	0.4804	20.0	1407911.0	0.02402	Y
5	ICIS 240-482539/12	40.0	0.972575	20.0	1453811.0	0.024314	Y
6	STD8260 240-482539/11	80.0	2.121425	20.0	1575479.0	0.026518	Y
7	STD8260 240-482539/10	120.0	2.979458	20.0	1594706.0	0.024829	Y
8	STD8260 240-482539/9	160.0	4.234899	20.0	1562115.0	0.026468	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

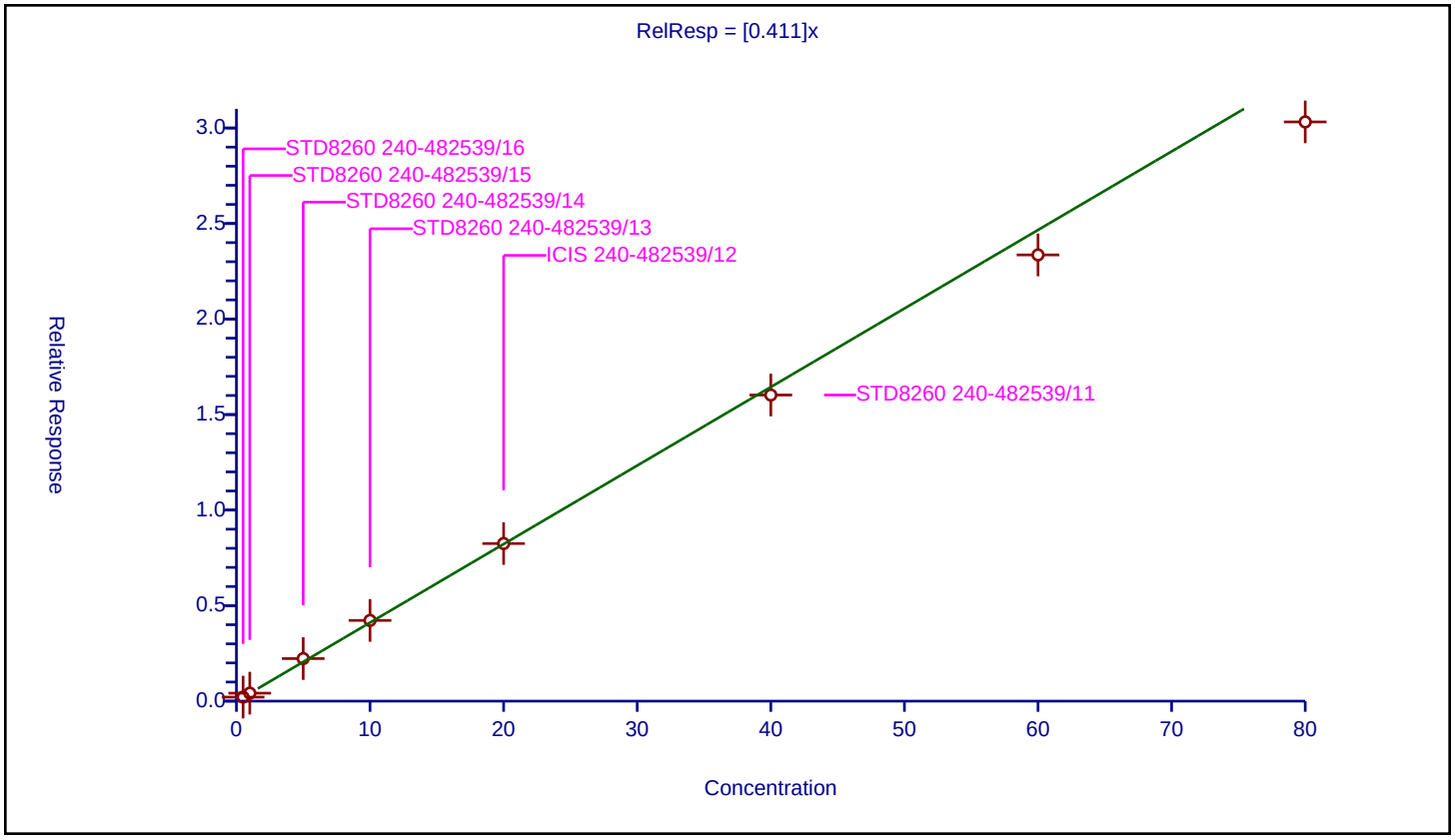
Curve Coefficients

Intercept:	0
Slope:	0.411

Error Coefficients

Standard Error:	1260000
Relative Standard Error:	5.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.210783	20.0	1103126.0	0.421566	Y
2	STD8260 240-482539/15	1.0	0.41754	20.0	1133064.0	0.41754	Y
3	STD8260 240-482539/14	5.0	2.226871	20.0	1285831.0	0.445374	Y
4	STD8260 240-482539/13	10.0	4.225367	20.0	1407911.0	0.422537	Y
5	ICIS 240-482539/12	20.0	8.248981	20.0	1453811.0	0.412449	Y
6	STD8260 240-482539/11	40.0	16.023622	20.0	1575479.0	0.400591	Y
7	STD8260 240-482539/10	60.0	23.357948	20.0	1594706.0	0.389299	Y
8	STD8260 240-482539/9	80.0	30.317614	20.0	1562115.0	0.37897	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

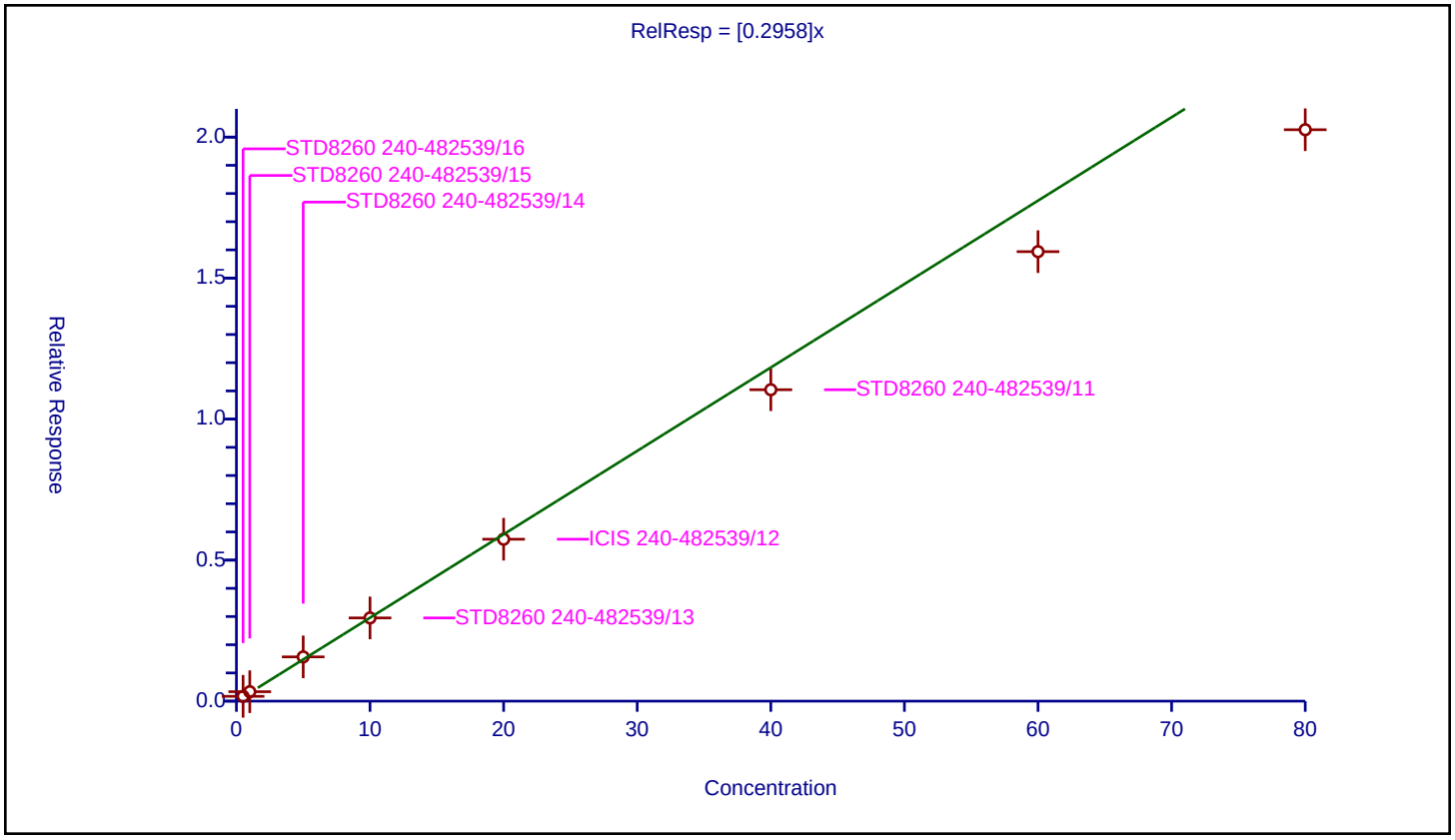
Curve Coefficients

Intercept:	0
Slope:	0.2958

Error Coefficients

Standard Error:	854000
Relative Standard Error:	10.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.170425	20.0	1103126.0	0.34085	Y
2	STD8260 240-482539/15	1.0	0.334385	20.0	1133064.0	0.334385	Y
3	STD8260 240-482539/14	5.0	1.569102	20.0	1285831.0	0.31382	Y
4	STD8260 240-482539/13	10.0	2.951025	20.0	1407911.0	0.295102	Y
5	ICIS 240-482539/12	20.0	5.741104	20.0	1453811.0	0.287055	Y
6	STD8260 240-482539/11	40.0	11.042534	20.0	1575479.0	0.276063	Y
7	STD8260 240-482539/10	60.0	15.938198	20.0	1594706.0	0.265637	Y
8	STD8260 240-482539/9	80.0	20.261364	20.0	1562115.0	0.253267	Y



Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

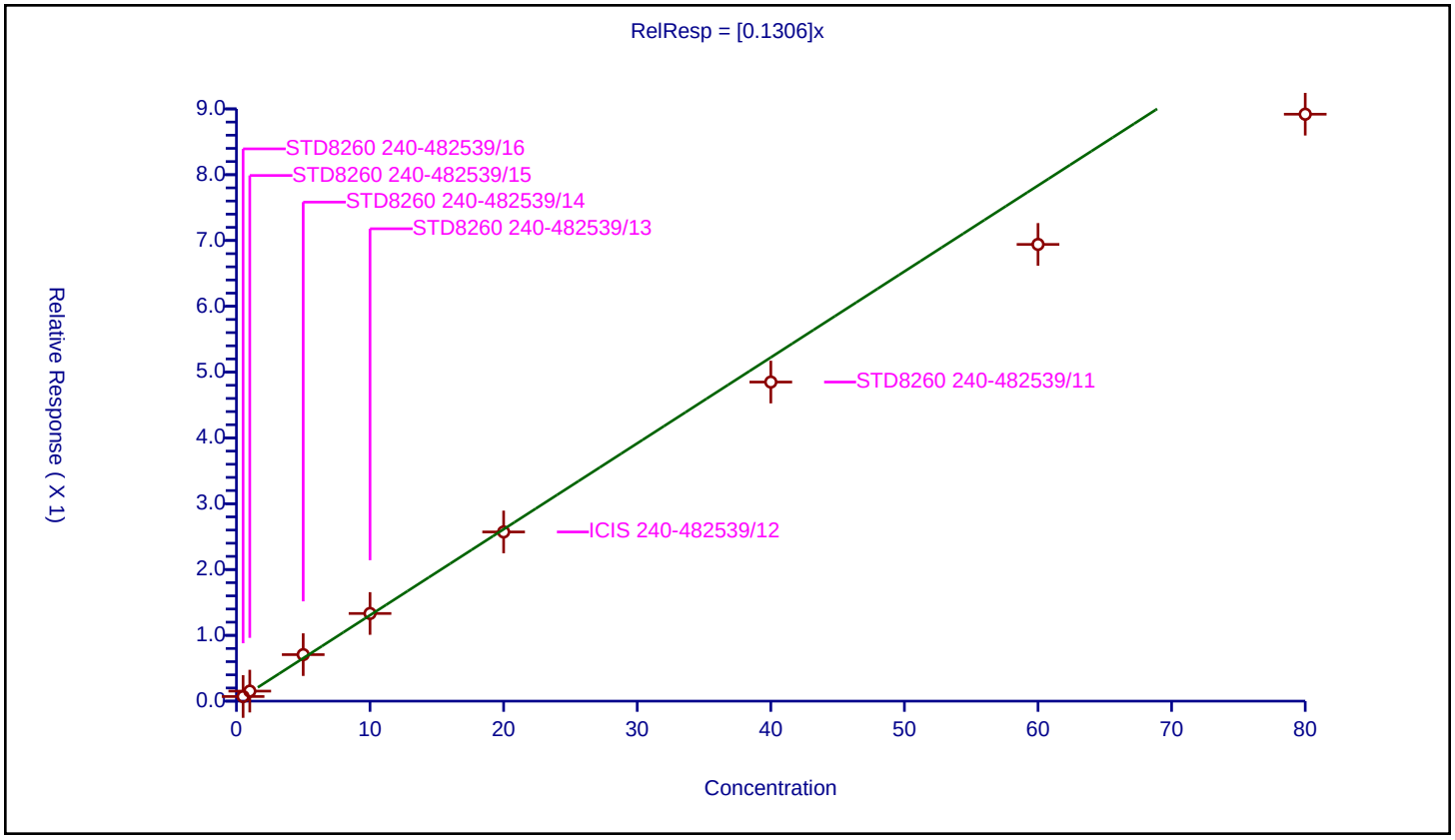
Curve Coefficients

Intercept:	0
Slope:	0.1306

Error Coefficients

Standard Error:	375000
Relative Standard Error:	10.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.070418	20.0	1103126.0	0.140836	Y
2	STD8260 240-482539/15	1.0	0.152313	20.0	1133064.0	0.152313	Y
3	STD8260 240-482539/14	5.0	0.706765	20.0	1285831.0	0.141353	Y
4	STD8260 240-482539/13	10.0	1.3324	20.0	1407911.0	0.13324	Y
5	ICIS 240-482539/12	20.0	2.571146	20.0	1453811.0	0.128557	Y
6	STD8260 240-482539/11	40.0	4.849116	20.0	1575479.0	0.121228	Y
7	STD8260 240-482539/10	60.0	6.940753	20.0	1594706.0	0.115679	Y
8	STD8260 240-482539/9	80.0	8.91951	20.0	1562115.0	0.111494	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

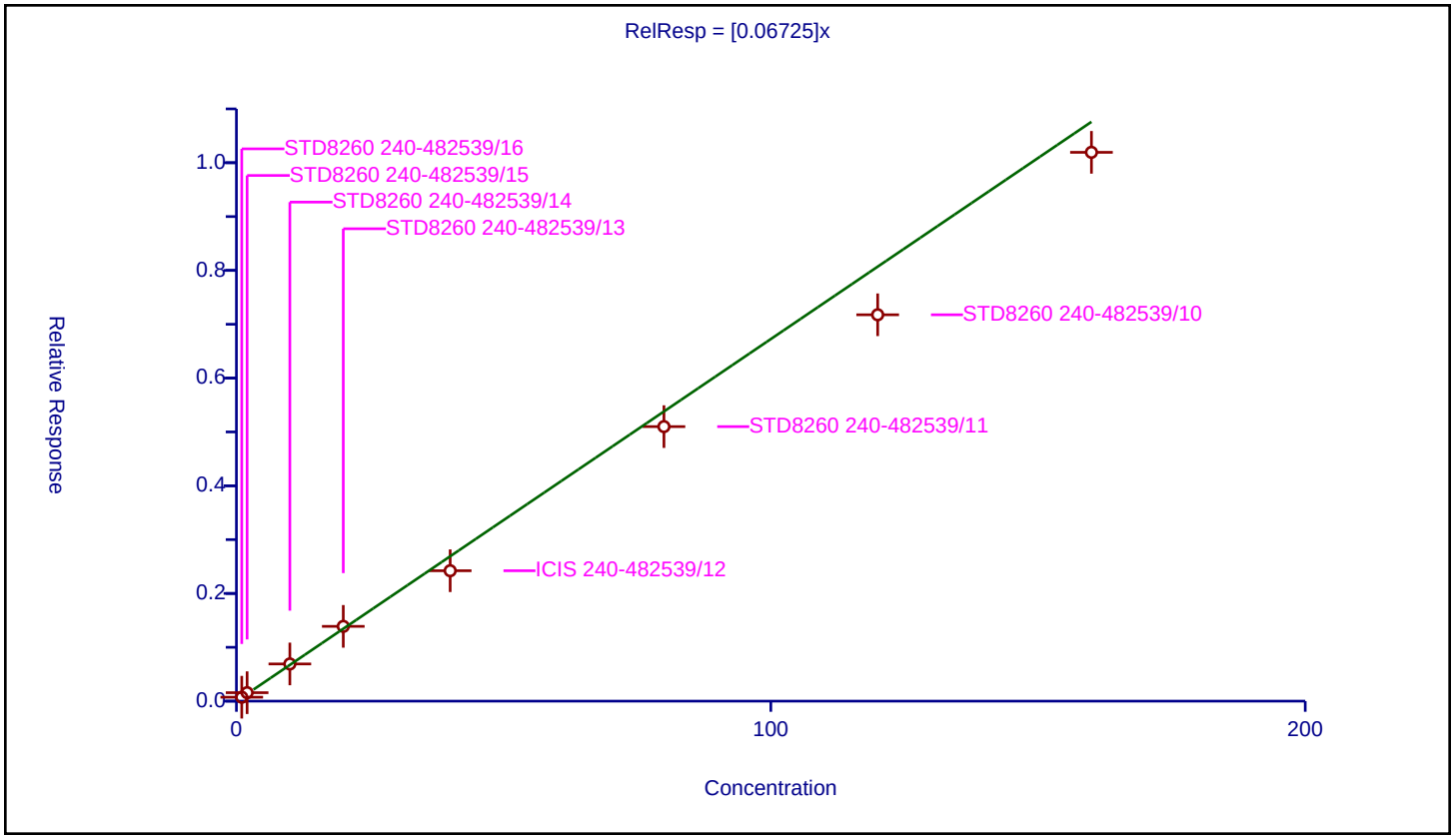
Curve Coefficients

Intercept:	0
Slope:	0.06725

Error Coefficients

Standard Error:	408000
Relative Standard Error:	9.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	1.0	0.073119	20.0	1103126.0	0.073119	Y
2	STD8260 240-482539/15	2.0	0.157079	20.0	1133064.0	0.078539	Y
3	STD8260 240-482539/14	10.0	0.690915	20.0	1285831.0	0.069092	Y
4	STD8260 240-482539/13	20.0	1.388866	20.0	1407911.0	0.069443	Y
5	ICIS 240-482539/12	40.0	2.422131	20.0	1453811.0	0.060553	Y
6	STD8260 240-482539/11	80.0	5.098805	20.0	1575479.0	0.063735	Y
7	STD8260 240-482539/10	120.0	7.176069	20.0	1594706.0	0.059801	Y
8	STD8260 240-482539/9	160.0	10.193385	20.0	1562115.0	0.063709	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

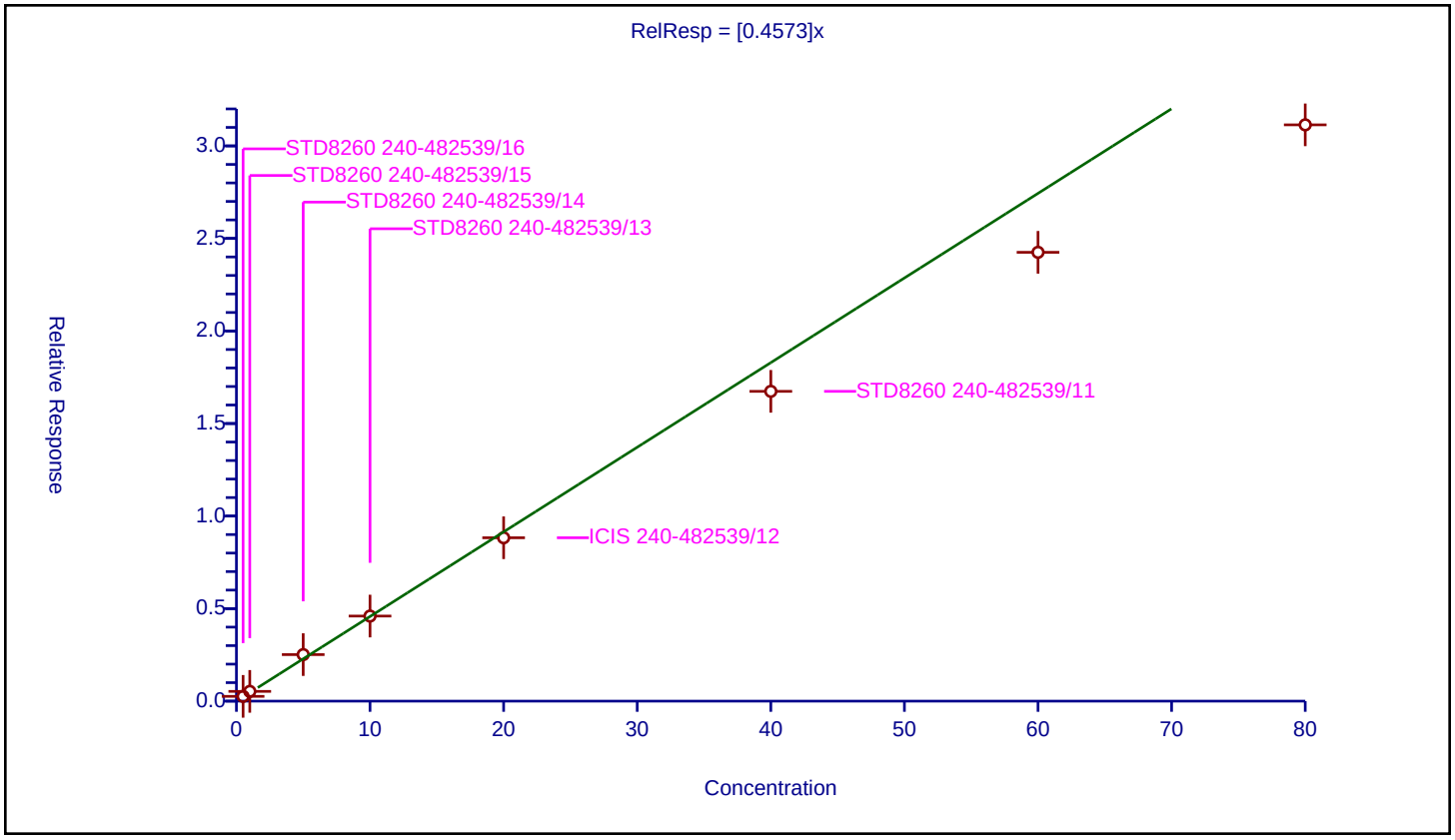
Curve Coefficients

Intercept:	0
Slope:	0.4573

Error Coefficients

Standard Error:	1310000
Relative Standard Error:	11.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.257613	20.0	1103126.0	0.515227	Y
2	STD8260 240-482539/15	1.0	0.527066	20.0	1133064.0	0.527066	Y
3	STD8260 240-482539/14	5.0	2.514312	20.0	1285831.0	0.502862	Y
4	STD8260 240-482539/13	10.0	4.596697	20.0	1407911.0	0.45967	Y
5	ICIS 240-482539/12	20.0	8.827736	20.0	1453811.0	0.441387	Y
6	STD8260 240-482539/11	40.0	16.73877	20.0	1575479.0	0.418469	Y
7	STD8260 240-482539/10	60.0	24.250388	20.0	1594706.0	0.404173	Y
8	STD8260 240-482539/9	80.0	31.137387	20.0	1562115.0	0.389217	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

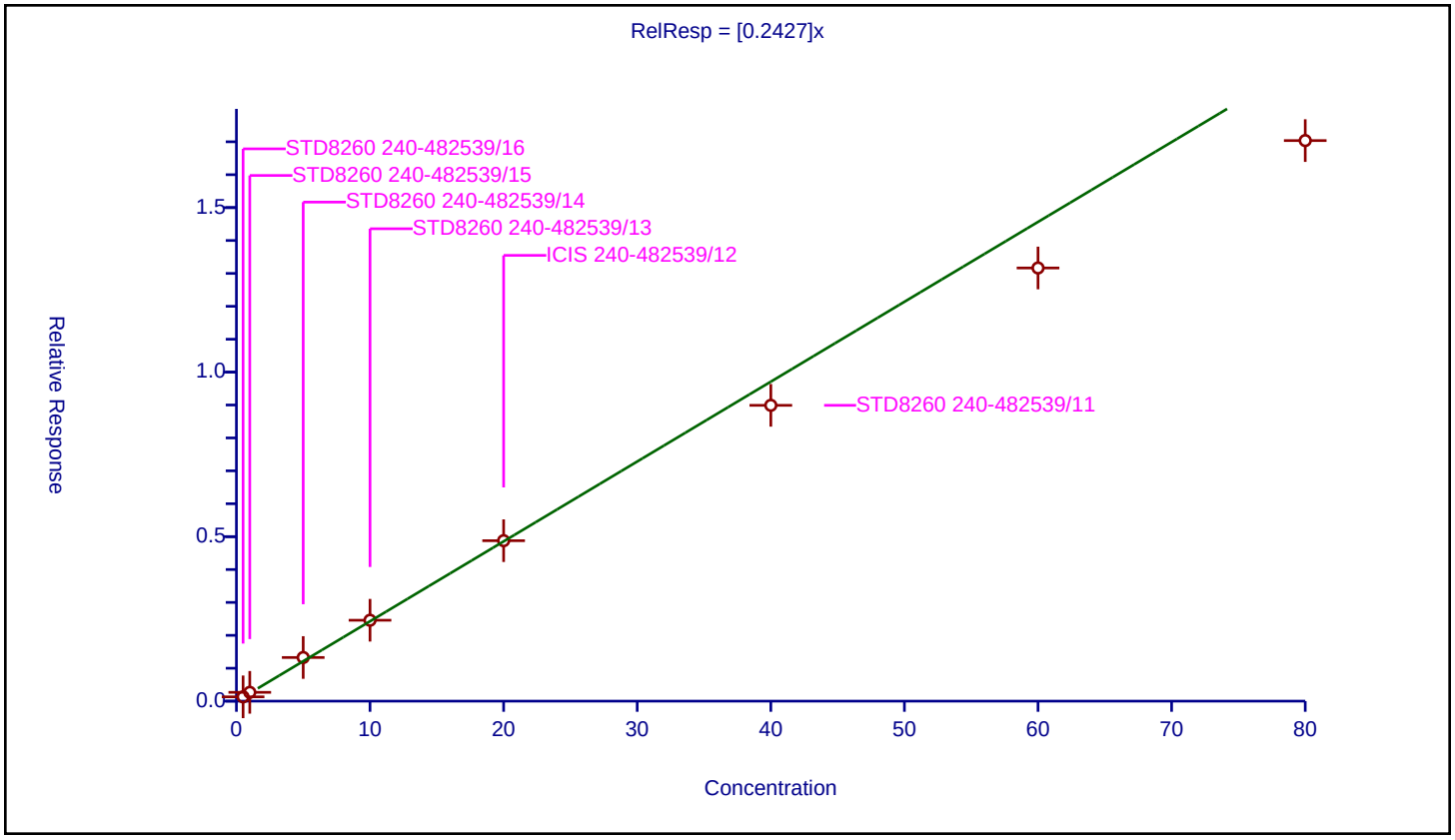
Curve Coefficients

Intercept:	0
Slope:	0.2427

Error Coefficients

Standard Error:	711000
Relative Standard Error:	8.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.130955	20.0	1103126.0	0.26191	Y
2	STD8260 240-482539/15	1.0	0.267875	20.0	1133064.0	0.267875	Y
3	STD8260 240-482539/14	5.0	1.326177	20.0	1285831.0	0.265235	Y
4	STD8260 240-482539/13	10.0	2.459062	20.0	1407911.0	0.245906	Y
5	ICIS 240-482539/12	20.0	4.8767	20.0	1453811.0	0.243835	Y
6	STD8260 240-482539/11	40.0	8.990612	20.0	1575479.0	0.224765	Y
7	STD8260 240-482539/10	60.0	13.165361	20.0	1594706.0	0.219423	Y
8	STD8260 240-482539/9	80.0	17.036953	20.0	1562115.0	0.212962	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

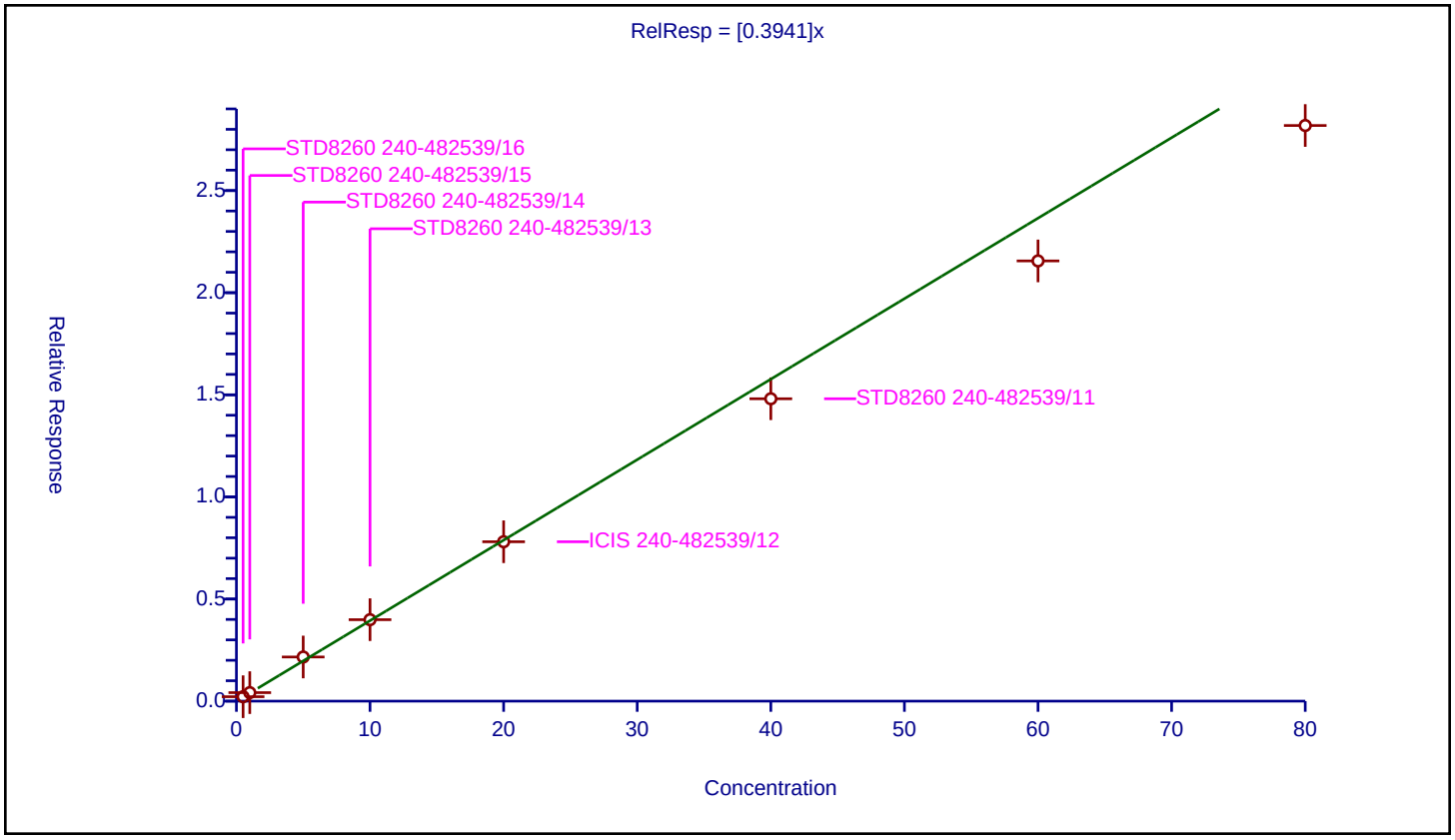
Curve Coefficients

Intercept:	0
Slope:	0.3941

Error Coefficients

Standard Error:	1170000
Relative Standard Error:	8.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.216675	20.0	1103126.0	0.43335	Y
2	STD8260 240-482539/15	1.0	0.416464	20.0	1133064.0	0.416464	Y
3	STD8260 240-482539/14	5.0	2.162181	20.0	1285831.0	0.432436	Y
4	STD8260 240-482539/13	10.0	3.988519	20.0	1407911.0	0.398852	Y
5	ICIS 240-482539/12	20.0	7.80488	20.0	1453811.0	0.390244	Y
6	STD8260 240-482539/11	40.0	14.80671	20.0	1575479.0	0.370168	Y
7	STD8260 240-482539/10	60.0	21.556161	20.0	1594706.0	0.359269	Y
8	STD8260 240-482539/9	80.0	28.186247	20.0	1562115.0	0.352328	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

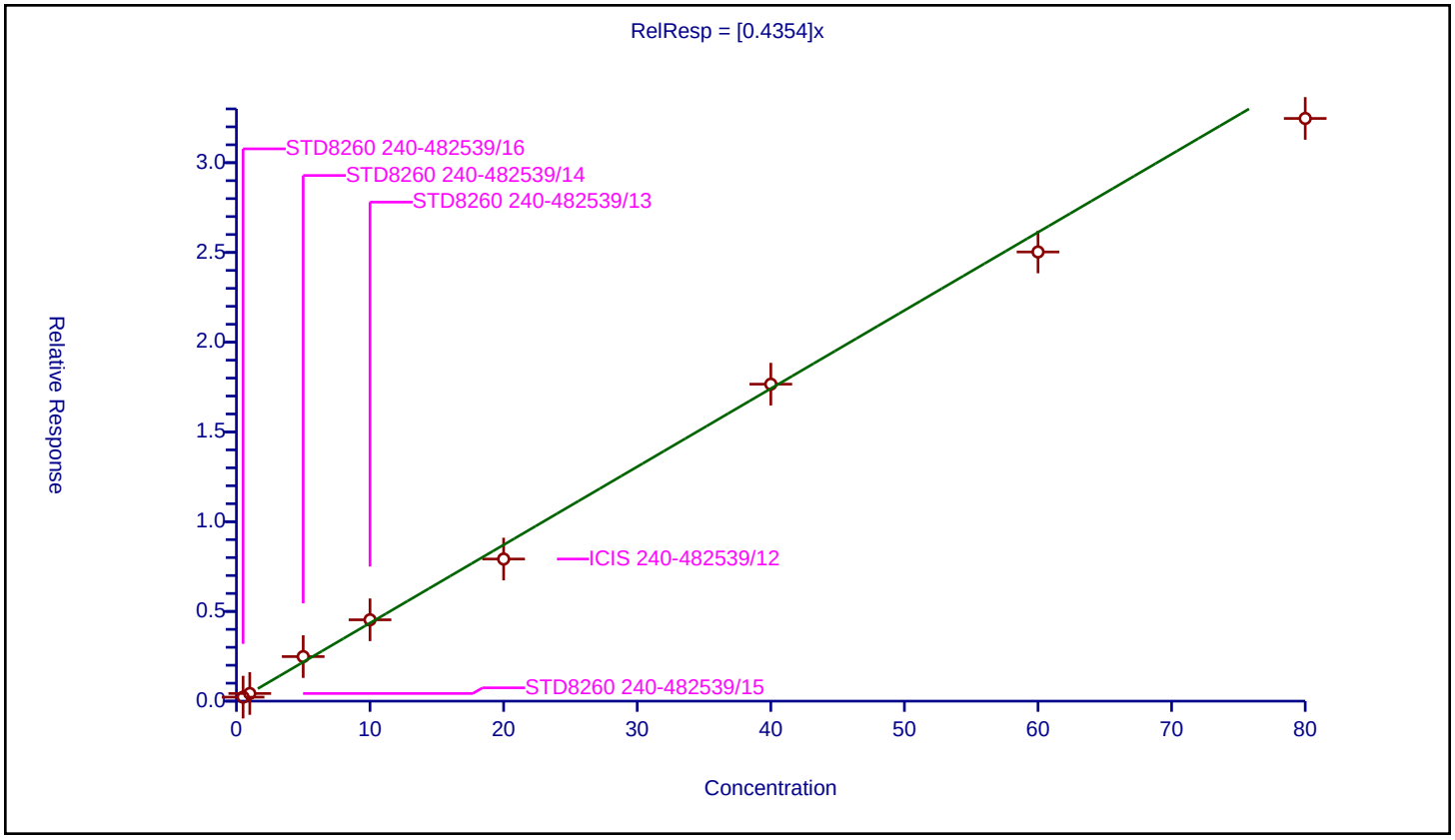
Curve Coefficients

Intercept:	0
Slope:	0.4354

Error Coefficients

Standard Error:	1350000
Relative Standard Error:	7.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.223365	20.0	1103126.0	0.44673	Y
2	STD8260 240-482539/15	1.0	0.426172	20.0	1133064.0	0.426172	Y
3	STD8260 240-482539/14	5.0	2.481975	20.0	1285831.0	0.496395	Y
4	STD8260 240-482539/13	10.0	4.533227	20.0	1407911.0	0.453323	Y
5	ICIS 240-482539/12	20.0	7.918608	20.0	1453811.0	0.39593	Y
6	STD8260 240-482539/11	40.0	17.662768	20.0	1575479.0	0.441569	Y
7	STD8260 240-482539/10	60.0	25.029541	20.0	1594706.0	0.417159	Y
8	STD8260 240-482539/9	80.0	32.466739	20.0	1562115.0	0.405834	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

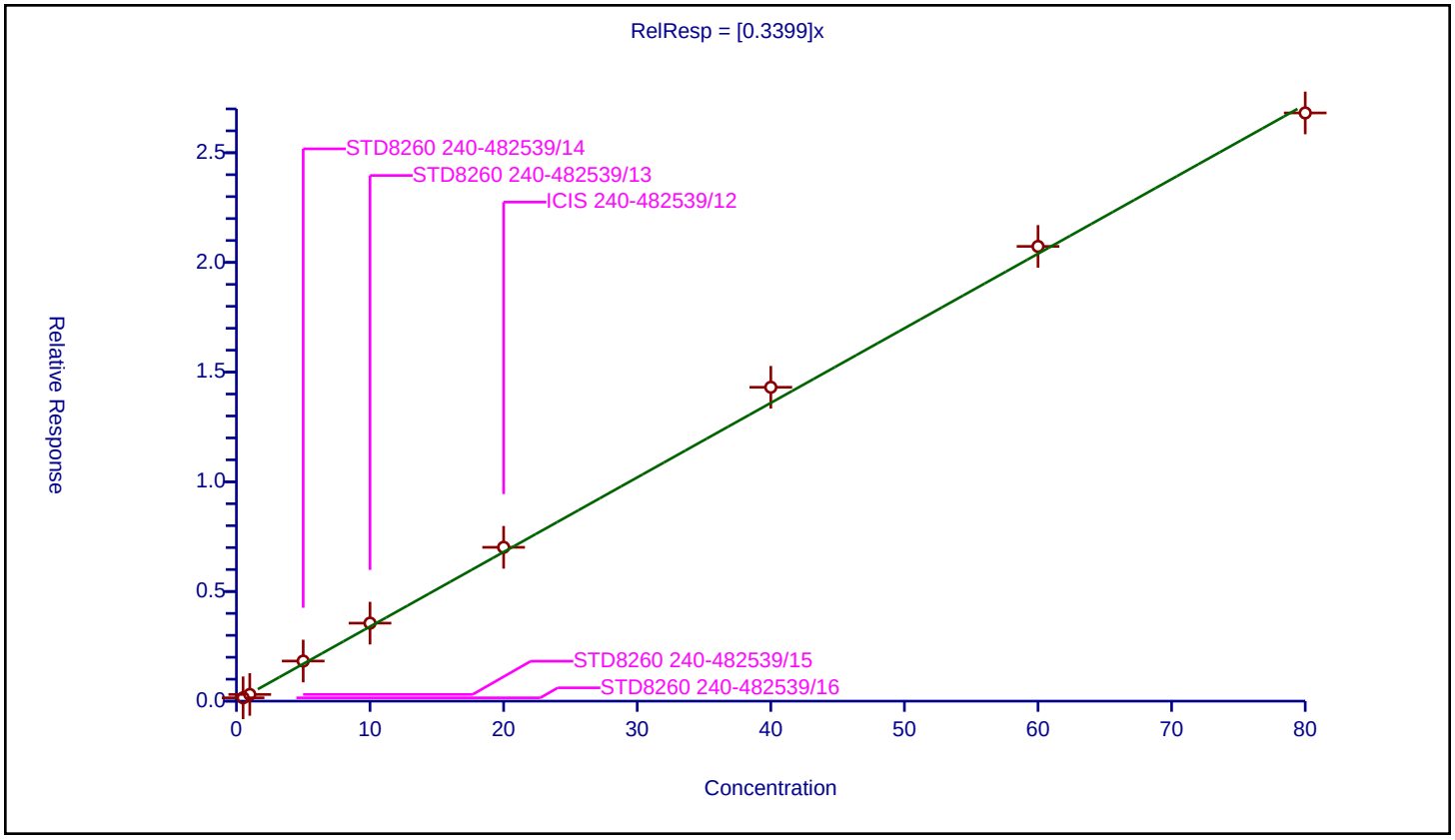
Curve Coefficients

Intercept:	0
Slope:	0.3399

Error Coefficients

Standard Error:	1120000
Relative Standard Error:	6.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.151968	20.0	1103126.0	0.303936	Y
2	STD8260 240-482539/15	1.0	0.30549	20.0	1133064.0	0.30549	Y
3	STD8260 240-482539/14	5.0	1.827643	20.0	1285831.0	0.365529	Y
4	STD8260 240-482539/13	10.0	3.555793	20.0	1407911.0	0.355579	Y
5	ICIS 240-482539/12	20.0	7.012989	20.0	1453811.0	0.350649	Y
6	STD8260 240-482539/11	40.0	14.308588	20.0	1575479.0	0.357715	Y
7	STD8260 240-482539/10	60.0	20.730617	20.0	1594706.0	0.34551	Y
8	STD8260 240-482539/9	80.0	26.815042	20.0	1562115.0	0.335188	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

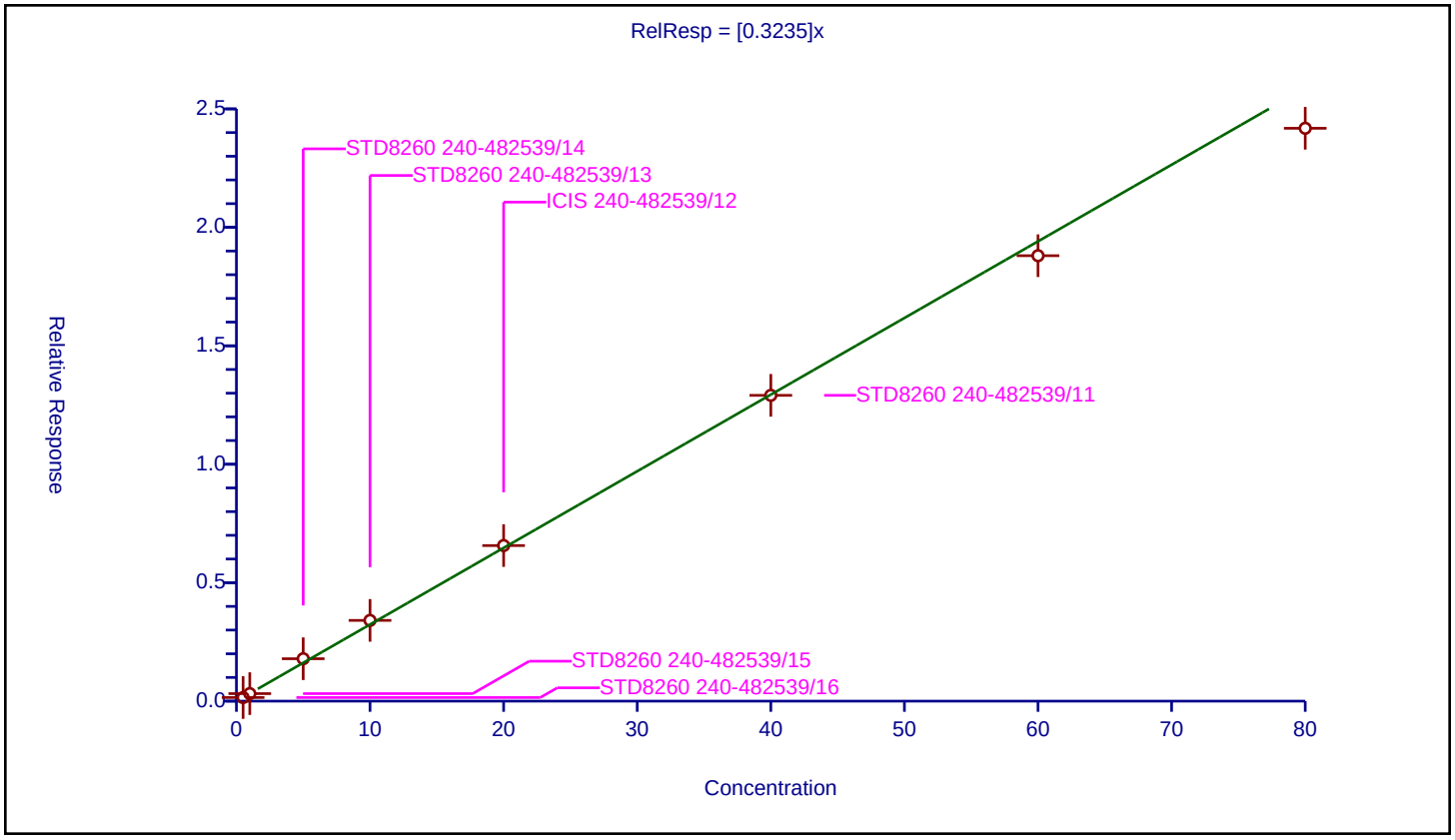
Curve Coefficients

Intercept:	0
Slope:	0.3235

Error Coefficients

Standard Error:	1010000
Relative Standard Error:	5.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.152023	20.0	1103126.0	0.304045	Y
2	STD8260 240-482539/15	1.0	0.31797	20.0	1133064.0	0.31797	Y
3	STD8260 240-482539/14	5.0	1.790531	20.0	1285831.0	0.358106	Y
4	STD8260 240-482539/13	10.0	3.408426	20.0	1407911.0	0.340843	Y
5	ICIS 240-482539/12	20.0	6.567759	20.0	1453811.0	0.328388	Y
6	STD8260 240-482539/11	40.0	12.908811	20.0	1575479.0	0.32272	Y
7	STD8260 240-482539/10	60.0	18.803353	20.0	1594706.0	0.313389	Y
8	STD8260 240-482539/9	80.0	24.181651	20.0	1562115.0	0.302271	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

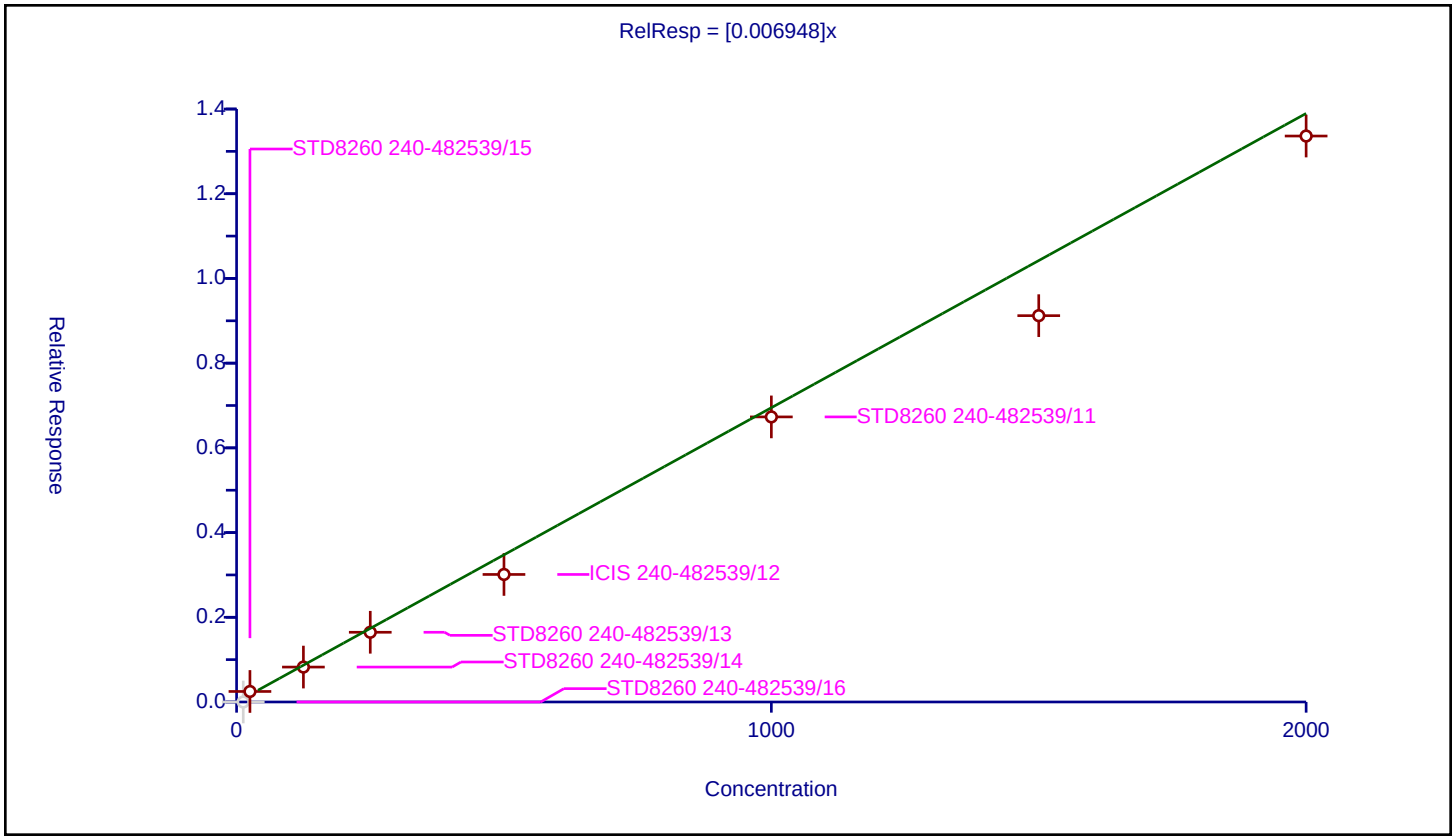
Curve Coefficients

Intercept:	0
Slope:	0.006948

Error Coefficients

Standard Error:	572000
Relative Standard Error:	19.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.945

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	12.5	0.0	20.0	1103126.0	0.0	N
2	STD8260 240-482539/15	25.0	0.248441	20.0	1133064.0	0.009938	Y
3	STD8260 240-482539/14	125.0	0.824727	20.0	1285831.0	0.006598	Y
4	STD8260 240-482539/13	250.0	1.646184	20.0	1407911.0	0.006585	Y
5	ICIS 240-482539/12	500.0	3.011093	20.0	1453811.0	0.006022	Y
6	STD8260 240-482539/11	1000.0	6.730626	20.0	1575479.0	0.006731	Y
7	STD8260 240-482539/10	1500.0	9.121017	20.0	1594706.0	0.006081	Y
8	STD8260 240-482539/9	2000.0	13.362473	20.0	1562115.0	0.006681	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

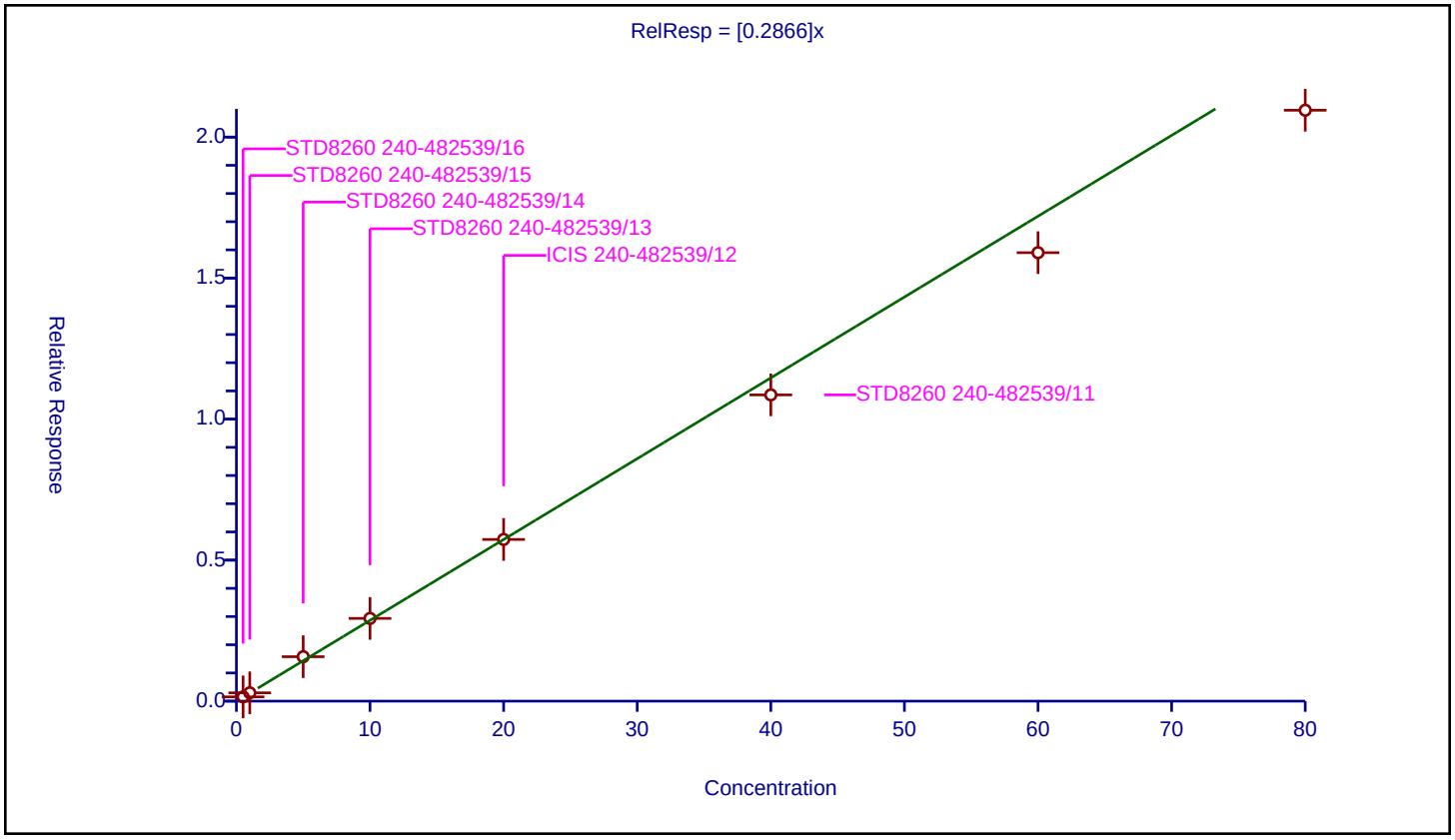
Curve Coefficients

Intercept:	0
Slope:	0.2866

Error Coefficients

Standard Error:	866000
Relative Standard Error:	6.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.151769	20.0	1103126.0	0.303537	Y
2	STD8260 240-482539/15	1.0	0.295358	20.0	1133064.0	0.295358	Y
3	STD8260 240-482539/14	5.0	1.576039	20.0	1285831.0	0.315208	Y
4	STD8260 240-482539/13	10.0	2.933864	20.0	1407911.0	0.293386	Y
5	ICIS 240-482539/12	20.0	5.733042	20.0	1453811.0	0.286652	Y
6	STD8260 240-482539/11	40.0	10.859161	20.0	1575479.0	0.271479	Y
7	STD8260 240-482539/10	60.0	15.902568	20.0	1594706.0	0.265043	Y
8	STD8260 240-482539/9	80.0	20.95203	20.0	1562115.0	0.2619	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

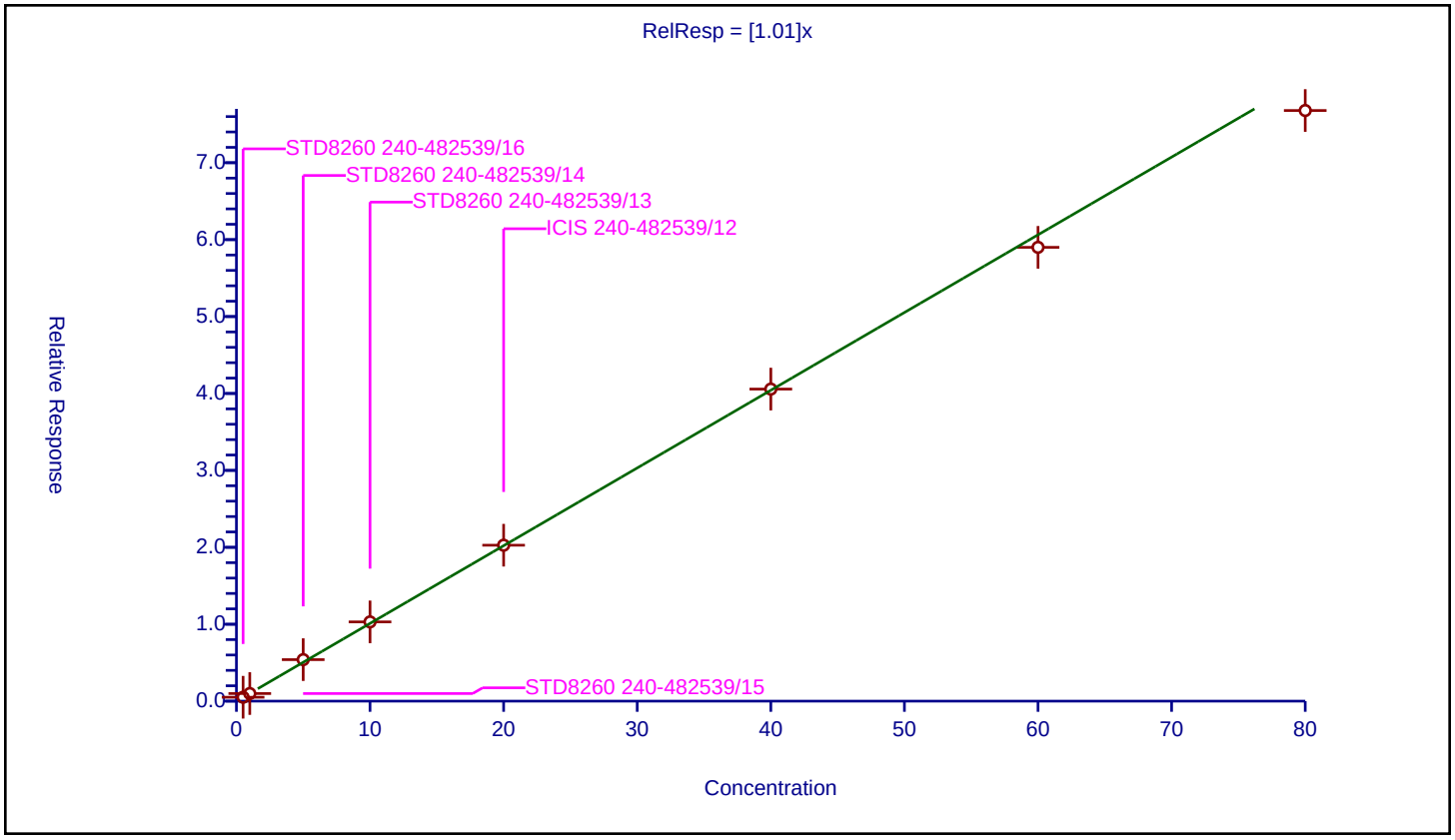
Curve Coefficients

Intercept:	0
Slope:	1.01

Error Coefficients

Standard Error:	3190000
Relative Standard Error:	3.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.506923	20.0	1103126.0	1.013846	Y
2	STD8260 240-482539/15	1.0	0.989123	20.0	1133064.0	0.989123	Y
3	STD8260 240-482539/14	5.0	5.397412	20.0	1285831.0	1.079482	Y
4	STD8260 240-482539/13	10.0	10.303279	20.0	1407911.0	1.030328	Y
5	ICIS 240-482539/12	20.0	20.272759	20.0	1453811.0	1.013638	Y
6	STD8260 240-482539/11	40.0	40.572956	20.0	1575479.0	1.014324	Y
7	STD8260 240-482539/10	60.0	59.000443	20.0	1594706.0	0.983341	Y
8	STD8260 240-482539/9	80.0	76.789724	20.0	1562115.0	0.959872	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

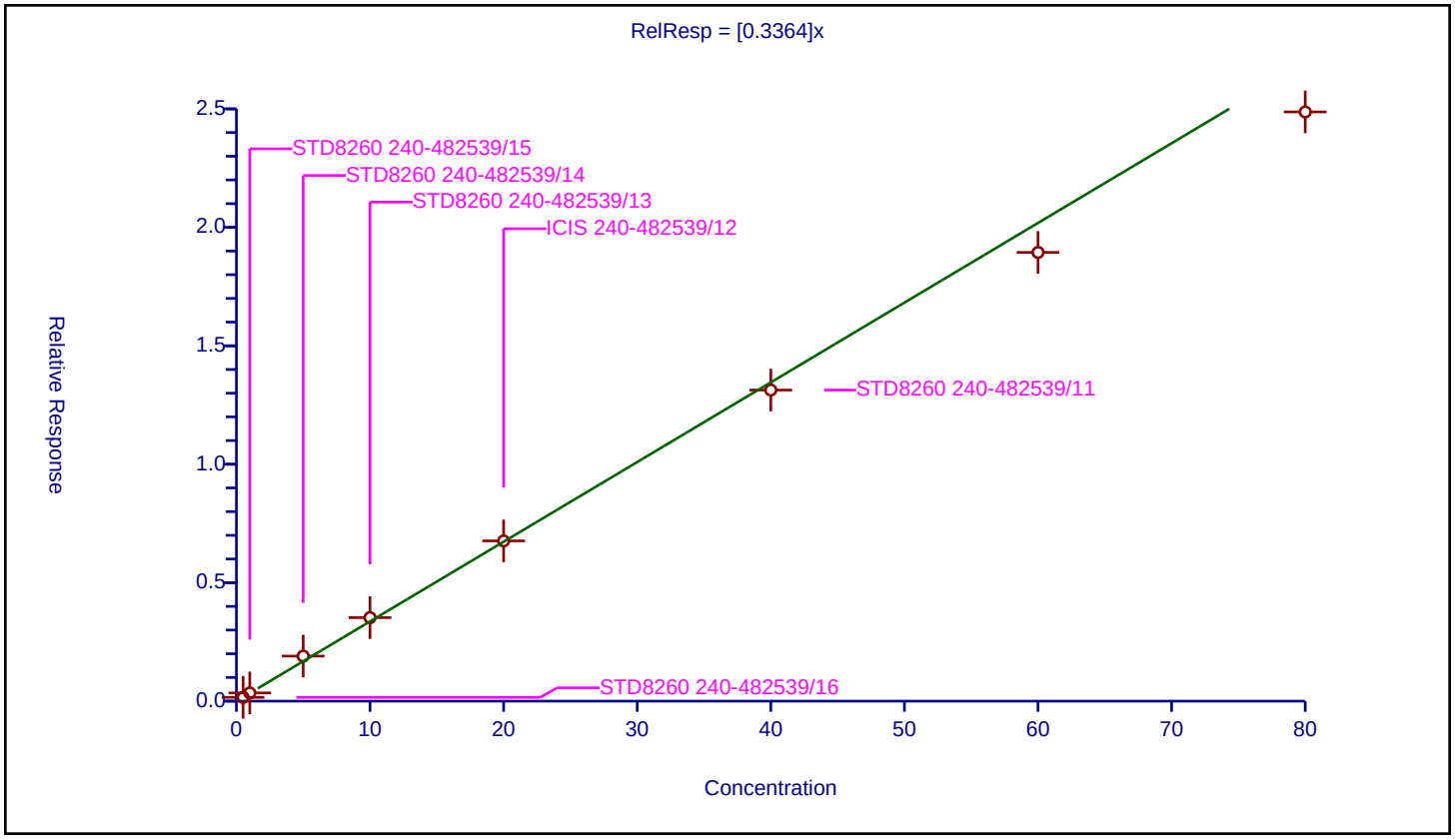
Curve Coefficients

Intercept:	0
Slope:	0.3364

Error Coefficients

Standard Error:	1030000
Relative Standard Error:	6.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.159383	20.0	1103126.0	0.318767	Y
2	STD8260 240-482539/15	1.0	0.346441	20.0	1133064.0	0.346441	Y
3	STD8260 240-482539/14	5.0	1.902225	20.0	1285831.0	0.380445	Y
4	STD8260 240-482539/13	10.0	3.525621	20.0	1407911.0	0.352562	Y
5	ICIS 240-482539/12	20.0	6.76418	20.0	1453811.0	0.338209	Y
6	STD8260 240-482539/11	40.0	13.13141	20.0	1575479.0	0.328285	Y
7	STD8260 240-482539/10	60.0	18.941397	20.0	1594706.0	0.31569	Y
8	STD8260 240-482539/9	80.0	24.871485	20.0	1562115.0	0.310894	Y



Calibration / n-Heptane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

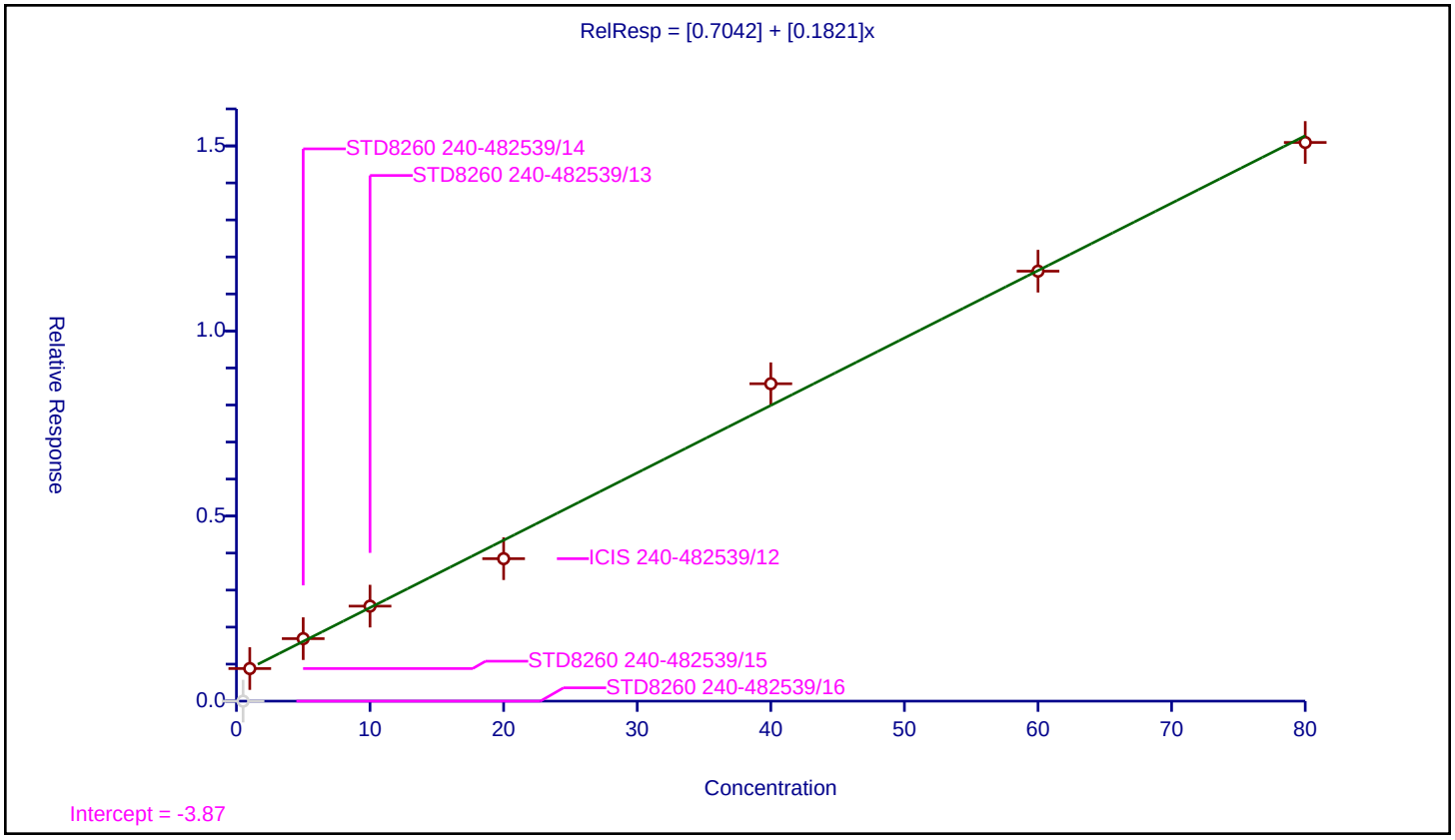
Curve Coefficients

Intercept:	0.7042
Slope:	0.1821

Error Coefficients

Standard Error:	752000
Relative Standard Error:	8.2
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.0	20.0	1103126.0	0.0	N
2	STD8260 240-482539/15	1.0	0.880162	20.0	1133064.0	0.880162	Y
3	STD8260 240-482539/14	5.0	1.688604	20.0	1285831.0	0.337721	Y
4	STD8260 240-482539/13	10.0	2.56725	20.0	1407911.0	0.256725	Y
5	ICIS 240-482539/12	20.0	3.848685	20.0	1453811.0	0.192434	Y
6	STD8260 240-482539/11	40.0	8.574929	20.0	1575479.0	0.214373	Y
7	STD8260 240-482539/10	60.0	11.615821	20.0	1594706.0	0.193597	Y
8	STD8260 240-482539/9	80.0	15.09337	20.0	1562115.0	0.188667	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

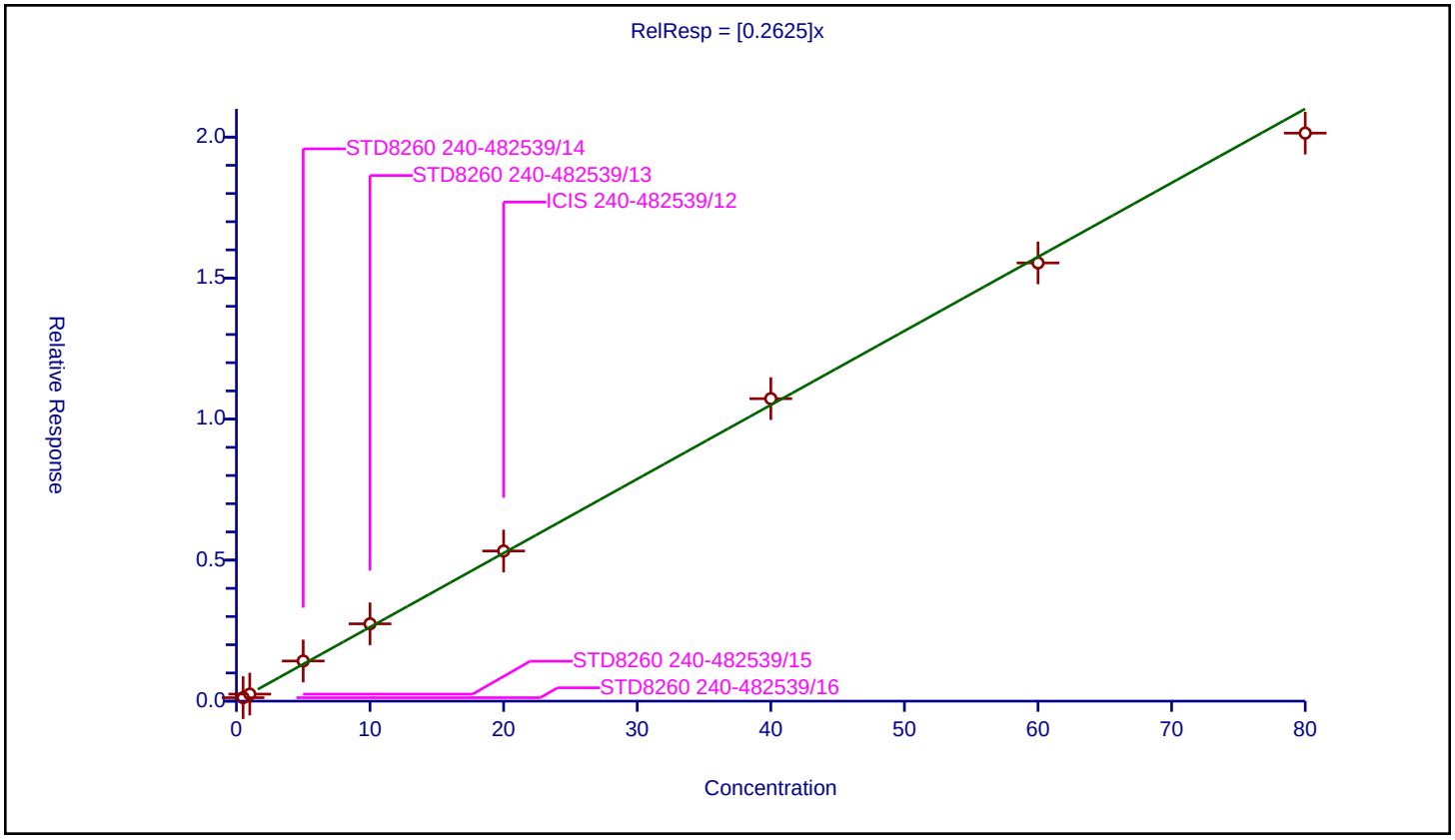
Curve Coefficients

Intercept:	0
Slope:	0.2625

Error Coefficients

Standard Error:	838000
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 240-482539/16	0.5	0.123359	20.0	1103126.0	0.246717	Y
2	STD8260 240-482539/15	1.0	0.249536	20.0	1133064.0	0.249536	Y
3	STD8260 240-482539/14	5.0	1.423329	20.0	1285831.0	0.284666	Y
4	STD8260 240-482539/13	10.0	2.742503	20.0	1407911.0	0.27425	Y
5	ICIS 240-482539/12	20.0	5.323938	20.0	1453811.0	0.266197	Y
6	STD8260 240-482539/11	40.0	10.725424	20.0	1575479.0	0.268136	Y
7	STD8260 240-482539/10	60.0	15.538513	20.0	1594706.0	0.258975	Y
8	STD8260 240-482539/9	80.0	20.140796	20.0	1562115.0	0.25176	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

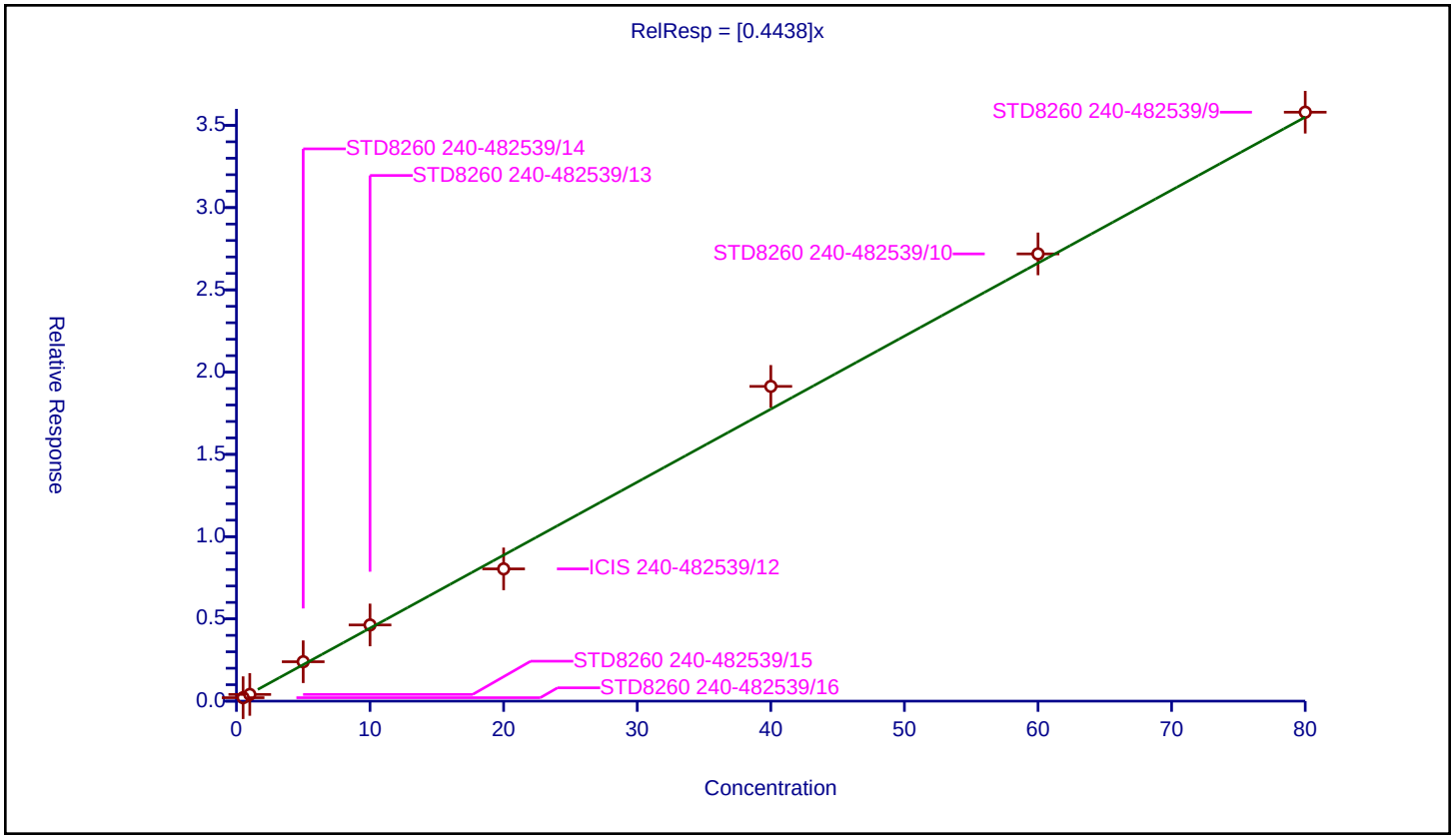
Curve Coefficients

Intercept:	0
Slope:	0.4438

Error Coefficients

Standard Error:	1480000
Relative Standard Error:	6.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.209677	20.0	1103126.0	0.419354	Y
2	STD8260 240-482539/15	1.0	0.407726	20.0	1133064.0	0.407726	Y
3	STD8260 240-482539/14	5.0	2.394592	20.0	1285831.0	0.478918	Y
4	STD8260 240-482539/13	10.0	4.631827	20.0	1407911.0	0.463183	Y
5	ICIS 240-482539/12	20.0	8.038885	20.0	1453811.0	0.401944	Y
6	STD8260 240-482539/11	40.0	19.131985	20.0	1575479.0	0.4783	Y
7	STD8260 240-482539/10	60.0	27.185701	20.0	1594706.0	0.453095	Y
8	STD8260 240-482539/9	80.0	35.798939	20.0	1562115.0	0.447487	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

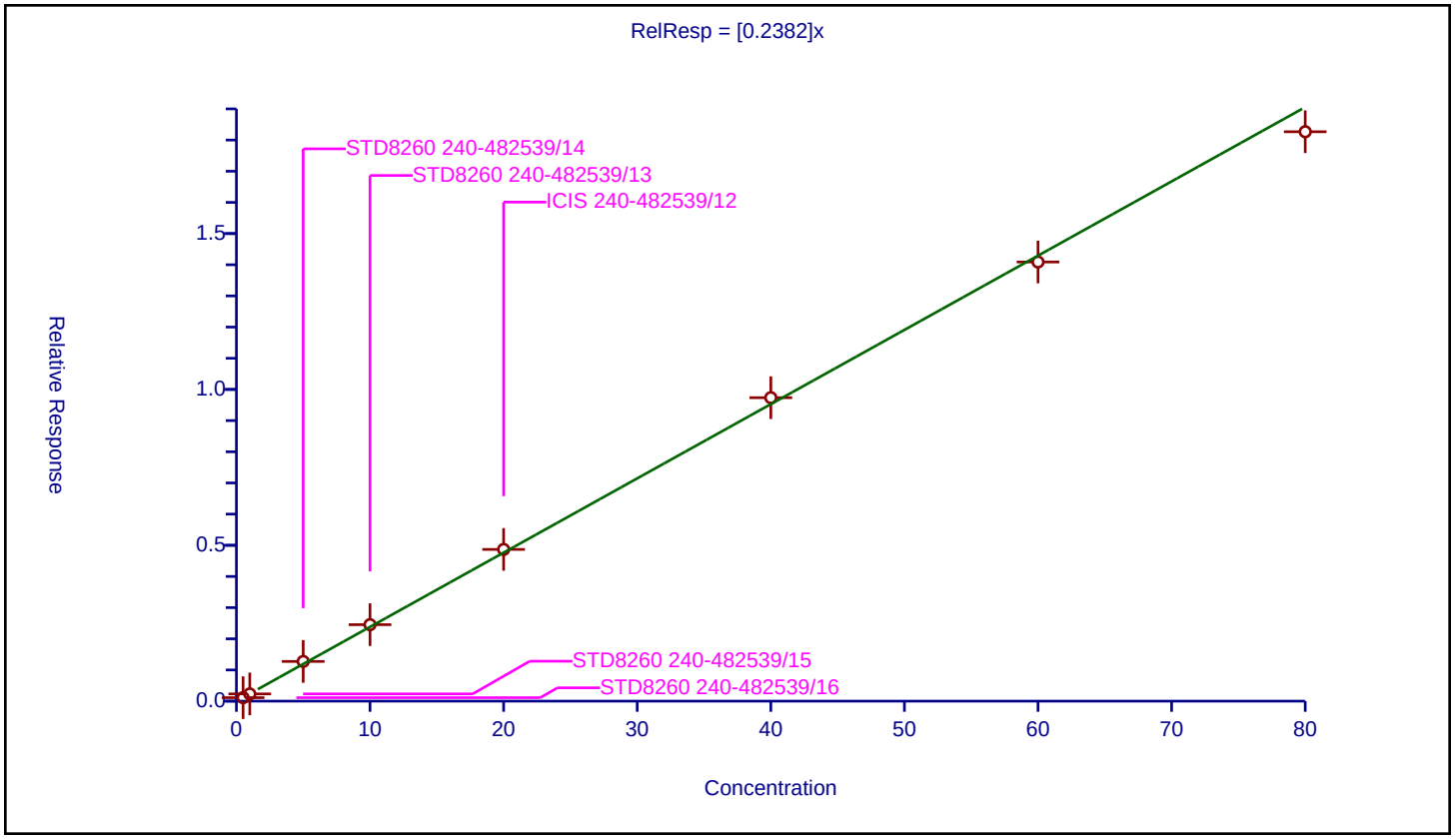
Curve Coefficients

Intercept:	0
Slope:	0.2382

Error Coefficients

Standard Error:	760000
Relative Standard Error:	4.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.111846	20.0	1103126.0	0.223692	Y
2	STD8260 240-482539/15	1.0	0.231814	20.0	1133064.0	0.231814	Y
3	STD8260 240-482539/14	5.0	1.273775	20.0	1285831.0	0.254755	Y
4	STD8260 240-482539/13	10.0	2.453777	20.0	1407911.0	0.245378	Y
5	ICIS 240-482539/12	20.0	4.867056	20.0	1453811.0	0.243353	Y
6	STD8260 240-482539/11	40.0	9.735528	20.0	1575479.0	0.243388	Y
7	STD8260 240-482539/10	60.0	14.088265	20.0	1594706.0	0.234804	Y
8	STD8260 240-482539/9	80.0	18.26708	20.0	1562115.0	0.228339	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

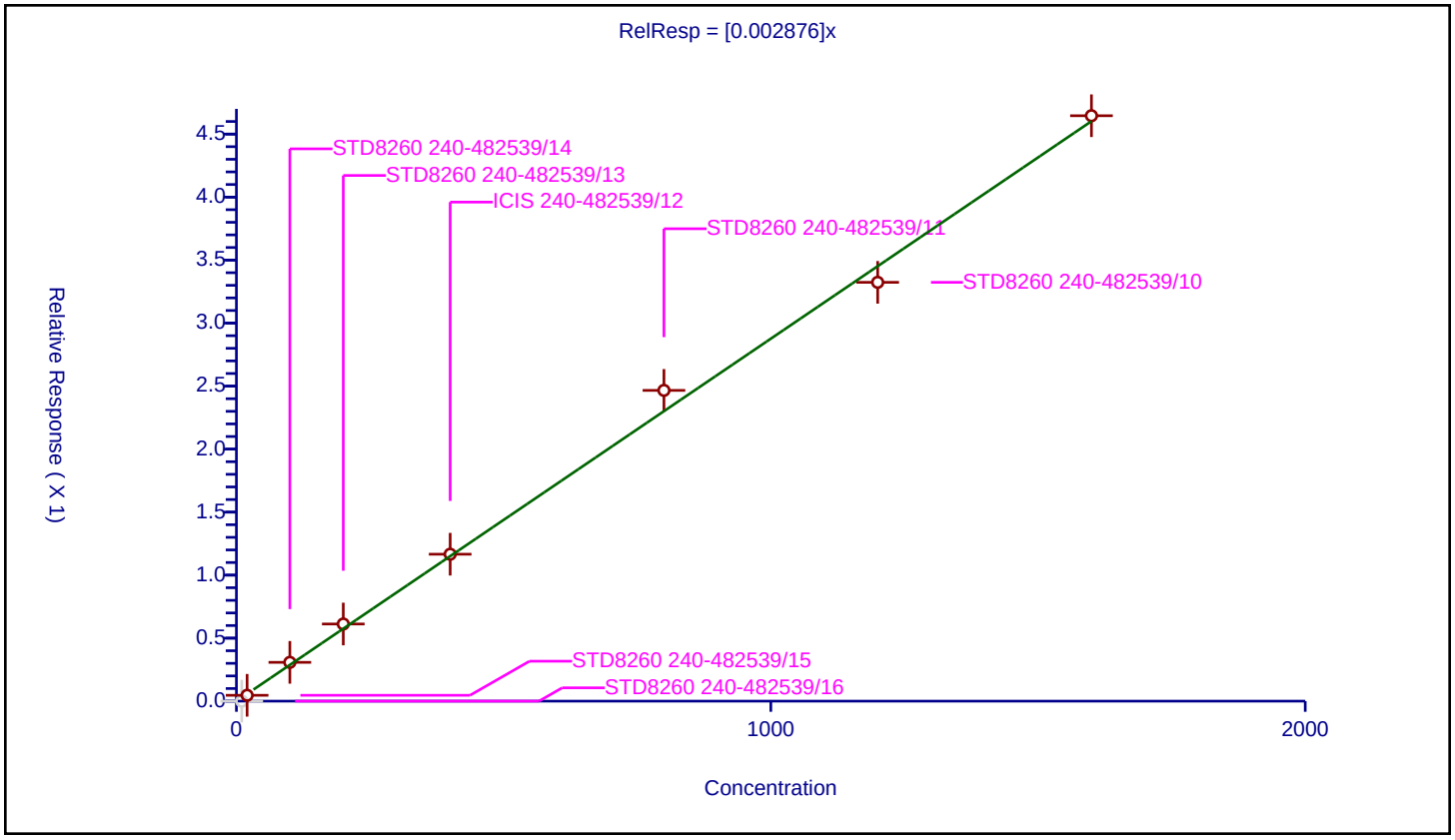
Curve Coefficients

Intercept:	0
Slope:	0.002876

Error Coefficients

Standard Error:	204000
Relative Standard Error:	9.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	10.0	0.0	20.0	1103126.0	0.0	N
2	STD8260 240-482539/15	20.0	0.046476	20.0	1133064.0	0.002324	Y
3	STD8260 240-482539/14	100.0	0.307817	20.0	1285831.0	0.003078	Y
4	STD8260 240-482539/13	200.0	0.612255	20.0	1407911.0	0.003061	Y
5	ICIS 240-482539/12	400.0	1.166039	20.0	1453811.0	0.002915	Y
6	STD8260 240-482539/11	800.0	2.466171	20.0	1575479.0	0.003083	Y
7	STD8260 240-482539/10	1200.0	3.323572	20.0	1594706.0	0.00277	Y
8	STD8260 240-482539/9	1600.0	4.645612	20.0	1562115.0	0.002904	Y



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

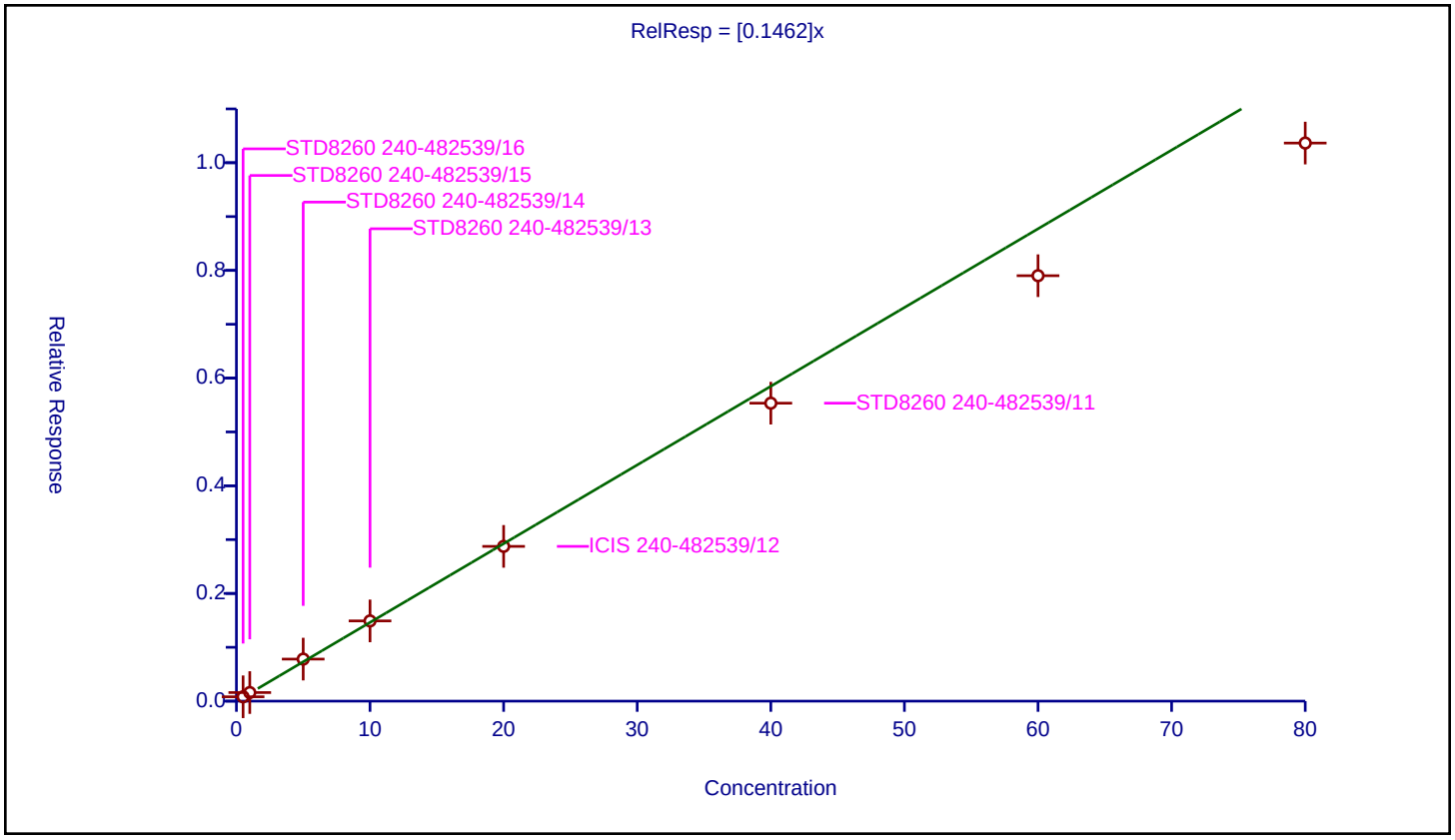
Curve Coefficients

Intercept:	0
Slope:	0.1462

Error Coefficients

Standard Error:	431000
Relative Standard Error:	8.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.08068	20.0	1103126.0	0.16136	Y
2	STD8260 240-482539/15	1.0	0.159761	20.0	1133064.0	0.159761	Y
3	STD8260 240-482539/14	5.0	0.781051	20.0	1285831.0	0.15621	Y
4	STD8260 240-482539/13	10.0	1.490208	20.0	1407911.0	0.149021	Y
5	ICIS 240-482539/12	20.0	2.874253	20.0	1453811.0	0.143713	Y
6	STD8260 240-482539/11	40.0	5.534114	20.0	1575479.0	0.138353	Y
7	STD8260 240-482539/10	60.0	7.901958	20.0	1594706.0	0.131699	Y
8	STD8260 240-482539/9	80.0	10.365396	20.0	1562115.0	0.129567	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

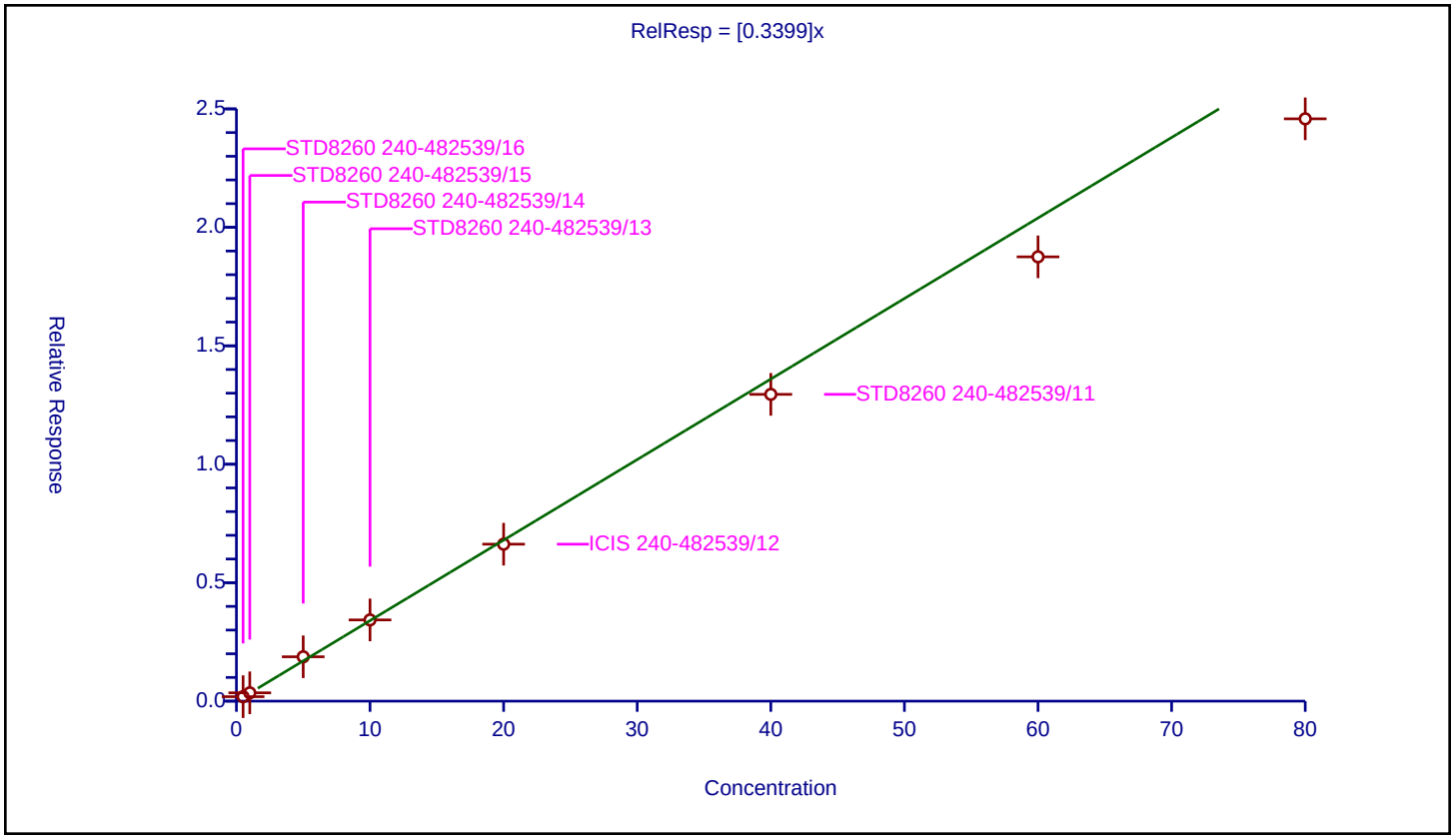
Curve Coefficients

Intercept:	0
Slope:	0.3399

Error Coefficients

Standard Error:	1020000
Relative Standard Error:	7.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.187884	20.0	1103126.0	0.375768	Y
2	STD8260 240-482539/15	1.0	0.351189	20.0	1133064.0	0.351189	Y
3	STD8260 240-482539/14	5.0	1.872486	20.0	1285831.0	0.374497	Y
4	STD8260 240-482539/13	10.0	3.42881	20.0	1407911.0	0.342881	Y
5	ICIS 240-482539/12	20.0	6.625786	20.0	1453811.0	0.331289	Y
6	STD8260 240-482539/11	40.0	12.949509	20.0	1575479.0	0.323738	Y
7	STD8260 240-482539/10	60.0	18.75493	20.0	1594706.0	0.312582	Y
8	STD8260 240-482539/9	80.0	24.580457	20.0	1562115.0	0.307256	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

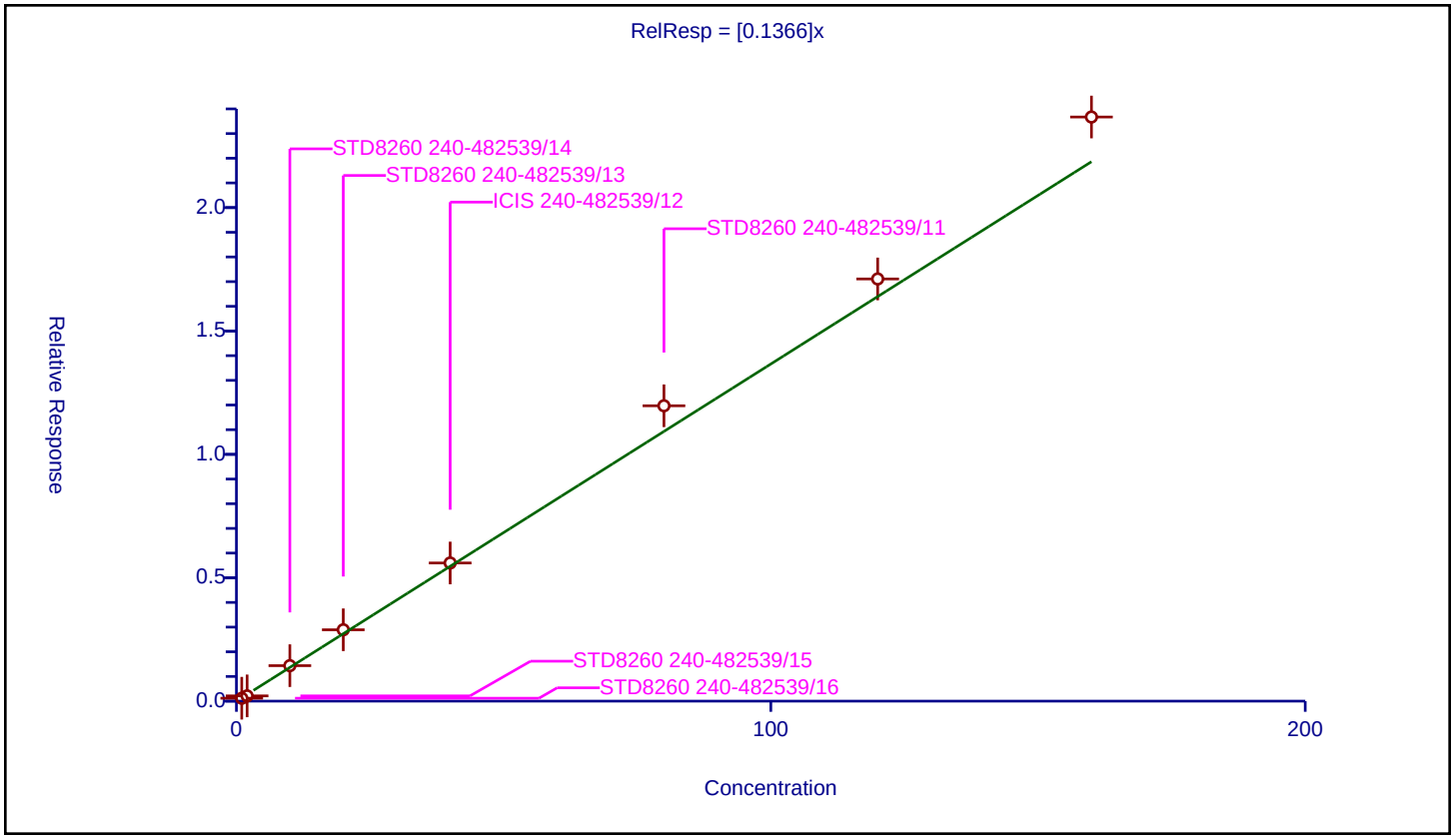
Curve Coefficients

Intercept:	0
Slope:	0.1366

Error Coefficients

Standard Error:	955000
Relative Standard Error:	11.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	1.0	0.117974	20.0	1103126.0	0.117974	Y
2	STD8260 240-482539/15	2.0	0.212945	20.0	1133064.0	0.106472	Y
3	STD8260 240-482539/14	10.0	1.438214	20.0	1285831.0	0.143821	Y
4	STD8260 240-482539/13	20.0	2.891717	20.0	1407911.0	0.144586	Y
5	ICIS 240-482539/12	40.0	5.599091	20.0	1453811.0	0.139977	Y
6	STD8260 240-482539/11	80.0	11.969185	20.0	1575479.0	0.149615	Y
7	STD8260 240-482539/10	120.0	17.10906	20.0	1594706.0	0.142575	Y
8	STD8260 240-482539/9	160.0	23.670677	20.0	1562115.0	0.147942	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

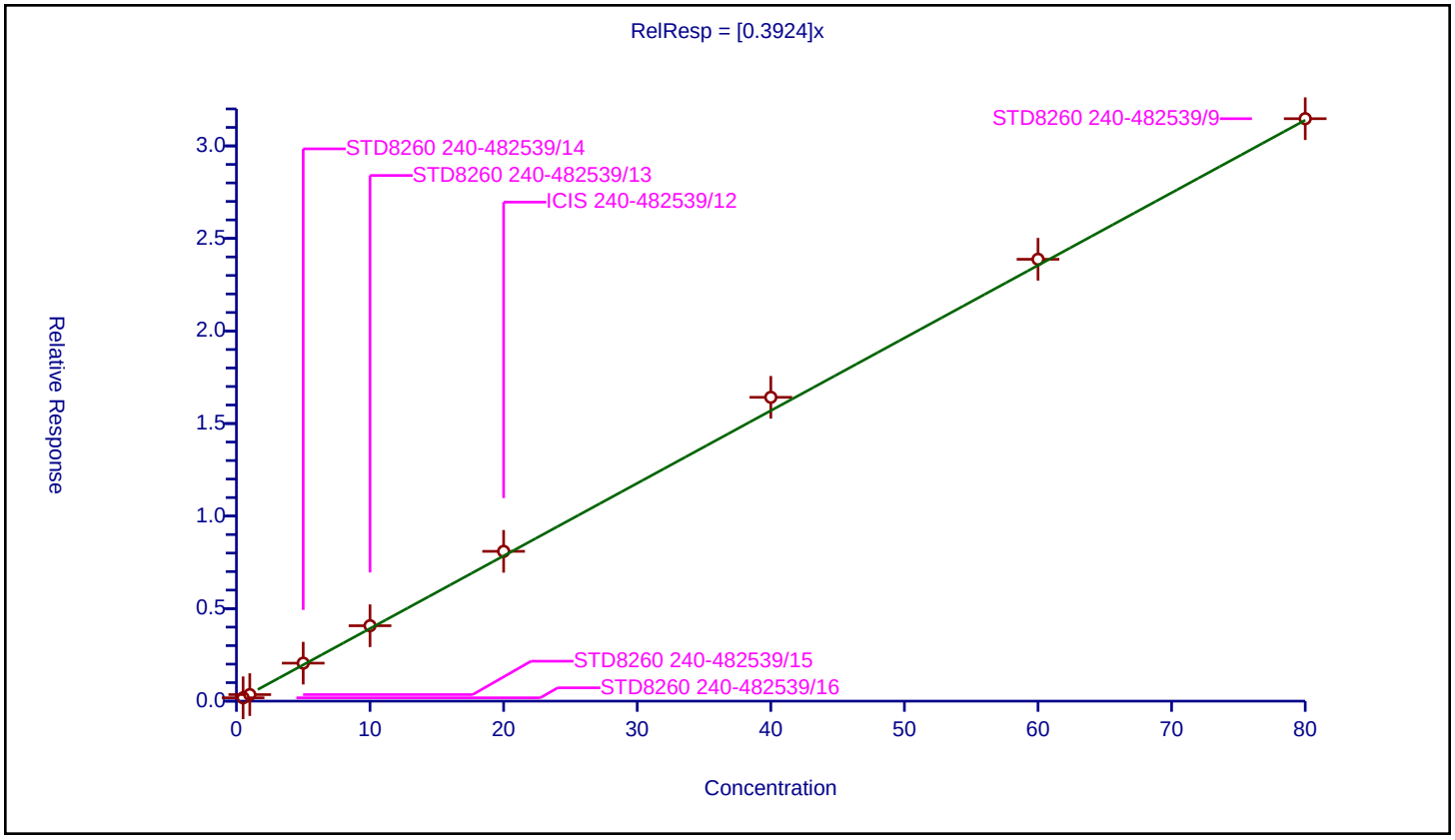
Curve Coefficients

Intercept:	0
Slope:	0.3924

Error Coefficients

Standard Error:	1300000
Relative Standard Error:	5.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.180922	20.0	1103126.0	0.361844	Y
2	STD8260 240-482539/15	1.0	0.352902	20.0	1133064.0	0.352902	Y
3	STD8260 240-482539/14	5.0	2.053271	20.0	1285831.0	0.410654	Y
4	STD8260 240-482539/13	10.0	4.074547	20.0	1407911.0	0.407455	Y
5	ICIS 240-482539/12	20.0	8.094601	20.0	1453811.0	0.40473	Y
6	STD8260 240-482539/11	40.0	16.416404	20.0	1575479.0	0.41041	Y
7	STD8260 240-482539/10	60.0	23.874457	20.0	1594706.0	0.397908	Y
8	STD8260 240-482539/9	80.0	31.470666	20.0	1562115.0	0.393383	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

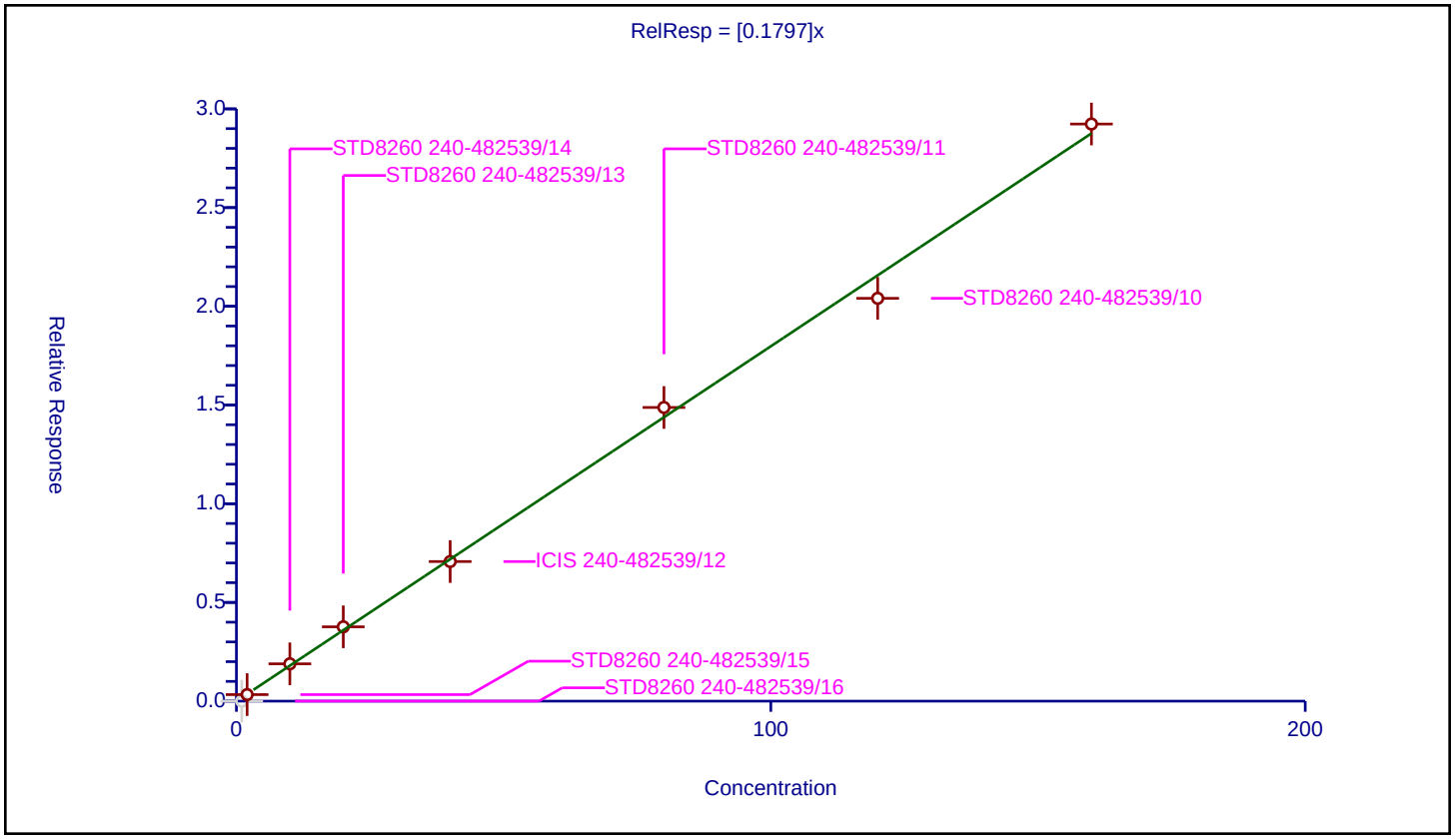
Curve Coefficients

Intercept:	0
Slope:	0.1797

Error Coefficients

Standard Error:	1260000
Relative Standard Error:	5.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	1.0	0.0	20.0	1103126.0	0.0	N
2	STD8260 240-482539/15	2.0	0.331014	20.0	1133064.0	0.165507	Y
3	STD8260 240-482539/14	10.0	1.890233	20.0	1285831.0	0.189023	Y
4	STD8260 240-482539/13	20.0	3.764187	20.0	1407911.0	0.188209	Y
5	ICIS 240-482539/12	40.0	7.071043	20.0	1453811.0	0.176776	Y
6	STD8260 240-482539/11	80.0	14.876657	20.0	1575479.0	0.185958	Y
7	STD8260 240-482539/10	120.0	20.404952	20.0	1594706.0	0.170041	Y
8	STD8260 240-482539/9	160.0	29.233251	20.0	1562115.0	0.182708	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

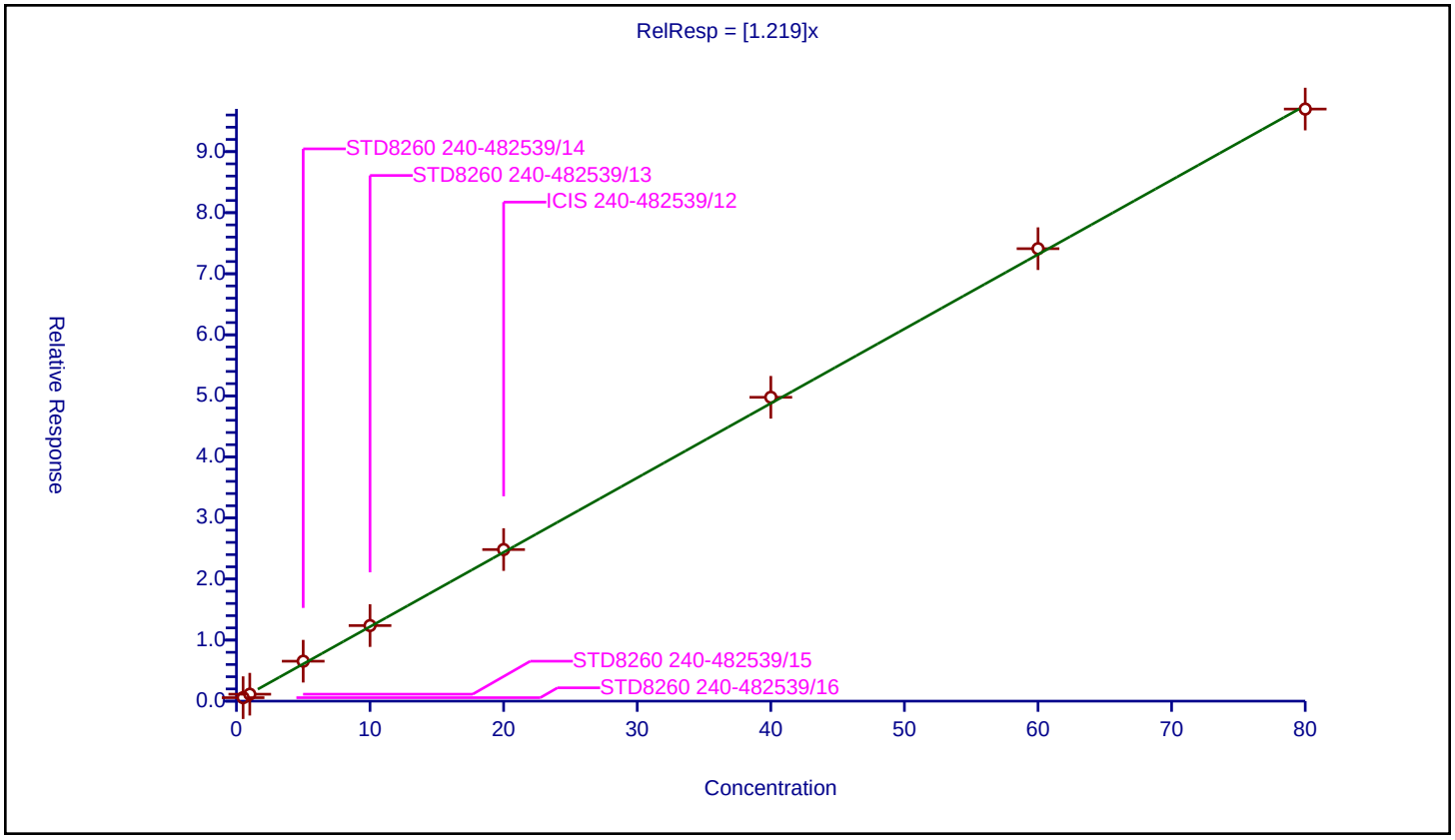
Curve Coefficients

Intercept:	0
Slope:	1.219

Error Coefficients

Standard Error:	2990000
Relative Standard Error:	4.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.568988	20.0	954643.0	1.137975	Y
2	STD8260 240-482539/15	1.0	1.137495	20.0	962589.0	1.137495	Y
3	STD8260 240-482539/14	5.0	6.540909	20.0	1036972.0	1.308182	Y
4	STD8260 240-482539/13	10.0	12.378528	20.0	1113512.0	1.237853	Y
5	ICIS 240-482539/12	20.0	24.826592	20.0	1138182.0	1.24133	Y
6	STD8260 240-482539/11	40.0	49.767333	20.0	1172490.0	1.244183	Y
7	STD8260 240-482539/10	60.0	74.105703	20.0	1177165.0	1.235095	Y
8	STD8260 240-482539/9	80.0	96.971943	20.0	1175011.0	1.212149	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

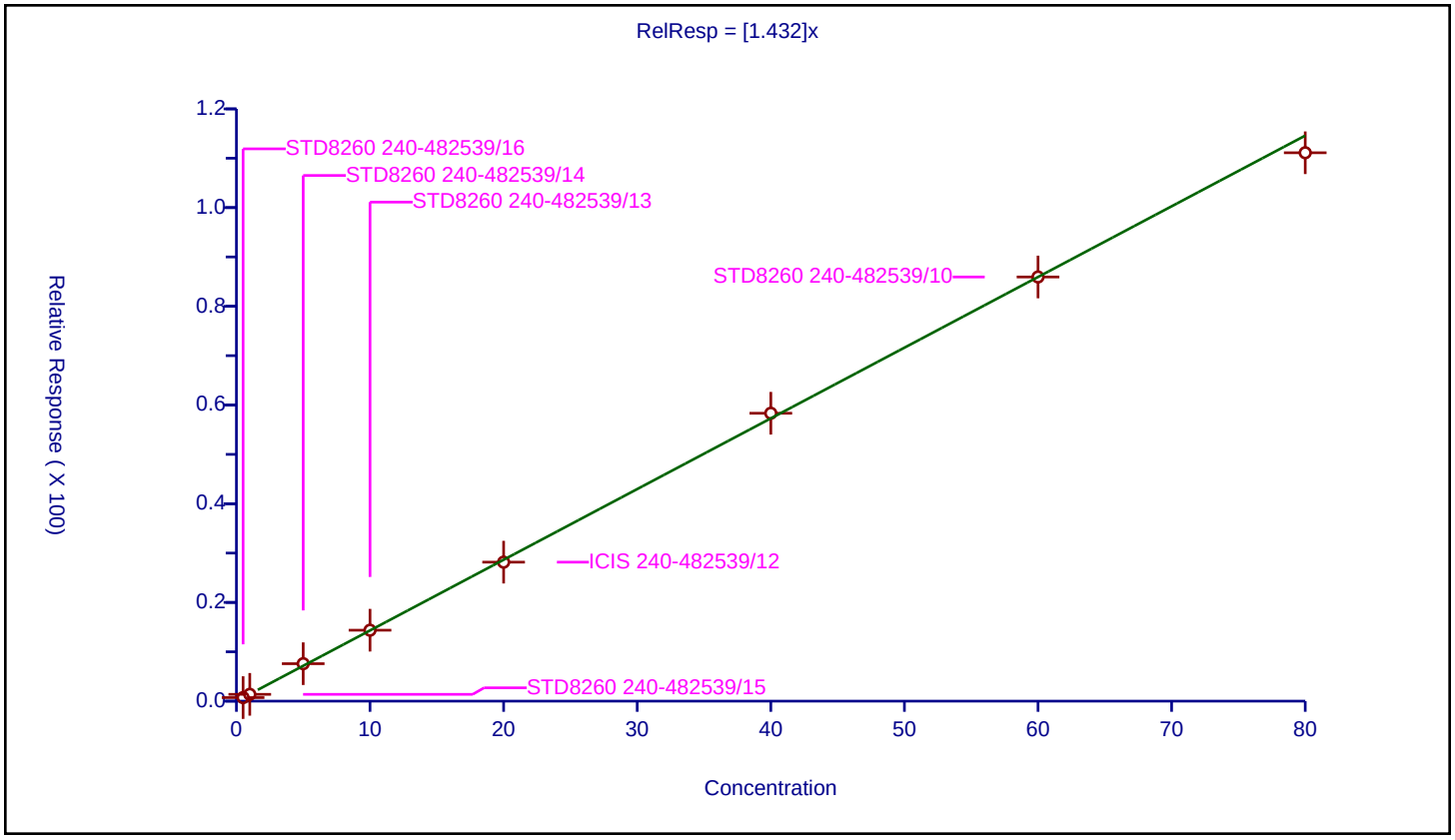
Curve Coefficients

Intercept:	0
Slope:	1.432

Error Coefficients

Standard Error:	3450000
Relative Standard Error:	3.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.71918	20.0	954643.0	1.43836	Y
2	STD8260 240-482539/15	1.0	1.376101	20.0	962589.0	1.376101	Y
3	STD8260 240-482539/14	5.0	7.592838	20.0	1036972.0	1.518568	Y
4	STD8260 240-482539/13	10.0	14.375507	20.0	1113512.0	1.437551	Y
5	ICIS 240-482539/12	20.0	28.160523	20.0	1138182.0	1.408026	Y
6	STD8260 240-482539/11	40.0	58.335781	20.0	1172490.0	1.458395	Y
7	STD8260 240-482539/10	60.0	85.943347	20.0	1177165.0	1.432389	Y
8	STD8260 240-482539/9	80.0	111.113973	20.0	1175011.0	1.388925	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

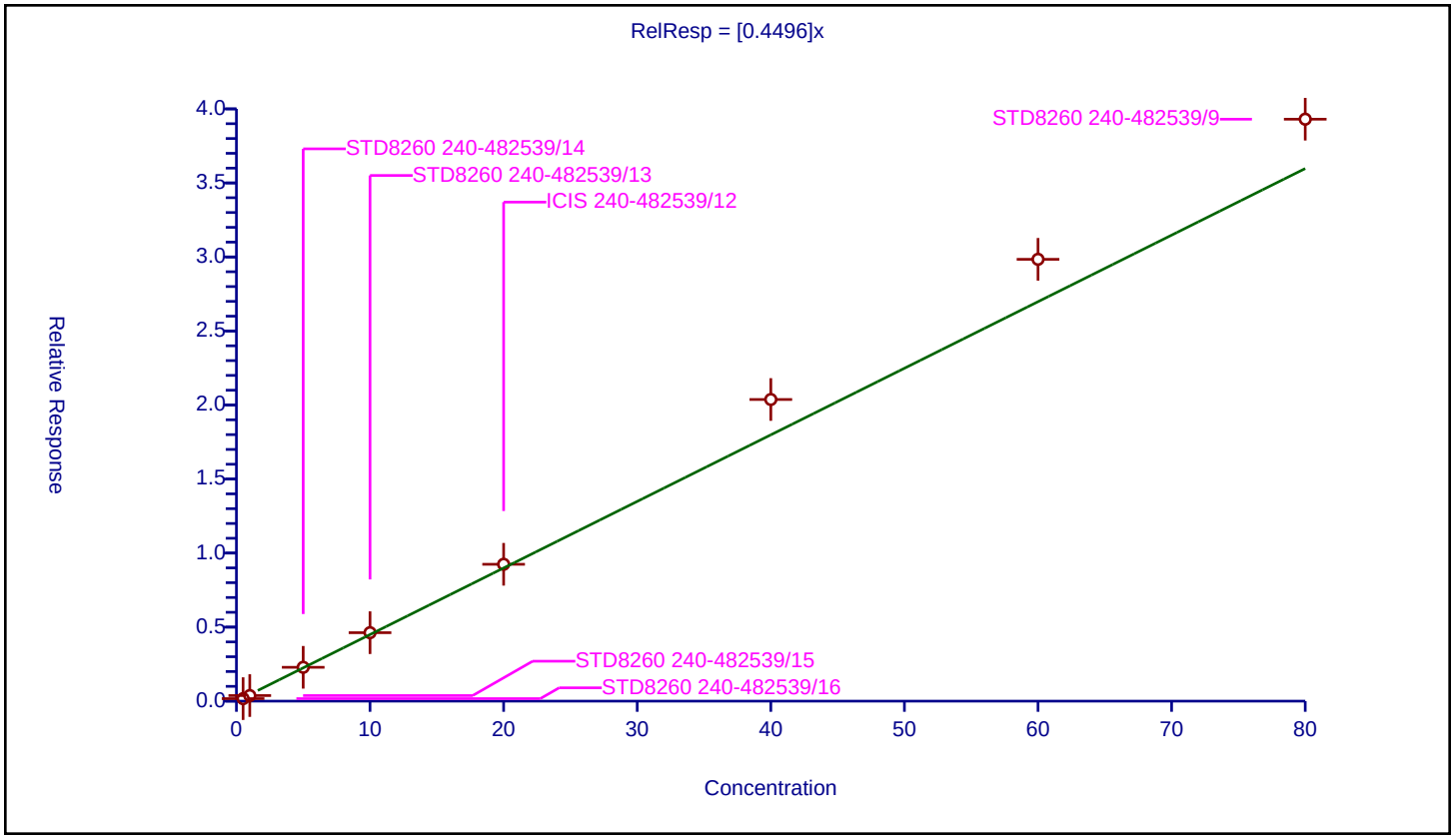
Curve Coefficients

Intercept:	0
Slope:	0.4496

Error Coefficients

Standard Error:	1210000
Relative Standard Error:	13.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.170493	20.0	954643.0	0.340986	Y
2	STD8260 240-482539/15	1.0	0.376152	20.0	962589.0	0.376152	Y
3	STD8260 240-482539/14	5.0	2.286098	20.0	1036972.0	0.45722	Y
4	STD8260 240-482539/13	10.0	4.624791	20.0	1113512.0	0.462479	Y
5	ICIS 240-482539/12	20.0	9.244128	20.0	1138182.0	0.462206	Y
6	STD8260 240-482539/11	40.0	20.372029	20.0	1172490.0	0.509301	Y
7	STD8260 240-482539/10	60.0	29.840031	20.0	1177165.0	0.497334	Y
8	STD8260 240-482539/9	80.0	39.304364	20.0	1175011.0	0.491305	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

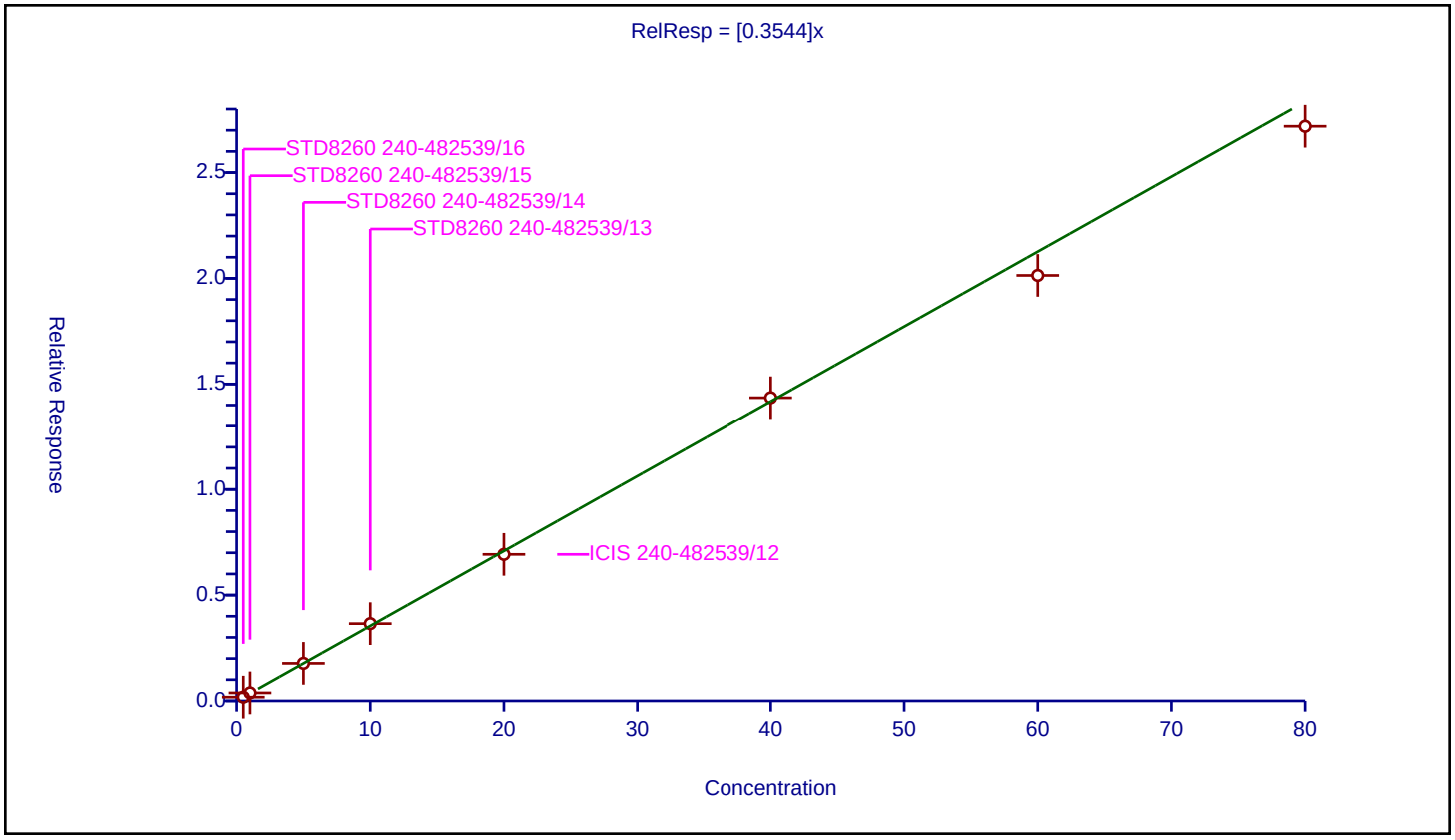
Curve Coefficients

Intercept:	0
Slope:	0.3544

Error Coefficients

Standard Error:	834000
Relative Standard Error:	3.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.178182	20.0	954643.0	0.356364	Y
2	STD8260 240-482539/15	1.0	0.378396	20.0	962589.0	0.378396	Y
3	STD8260 240-482539/14	5.0	1.773008	20.0	1036972.0	0.354602	Y
4	STD8260 240-482539/13	10.0	3.650504	20.0	1113512.0	0.36505	Y
5	ICIS 240-482539/12	20.0	6.927732	20.0	1138182.0	0.346387	Y
6	STD8260 240-482539/11	40.0	14.350485	20.0	1172490.0	0.358762	Y
7	STD8260 240-482539/10	60.0	20.138247	20.0	1177165.0	0.335637	Y
8	STD8260 240-482539/9	80.0	27.188971	20.0	1175011.0	0.339862	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

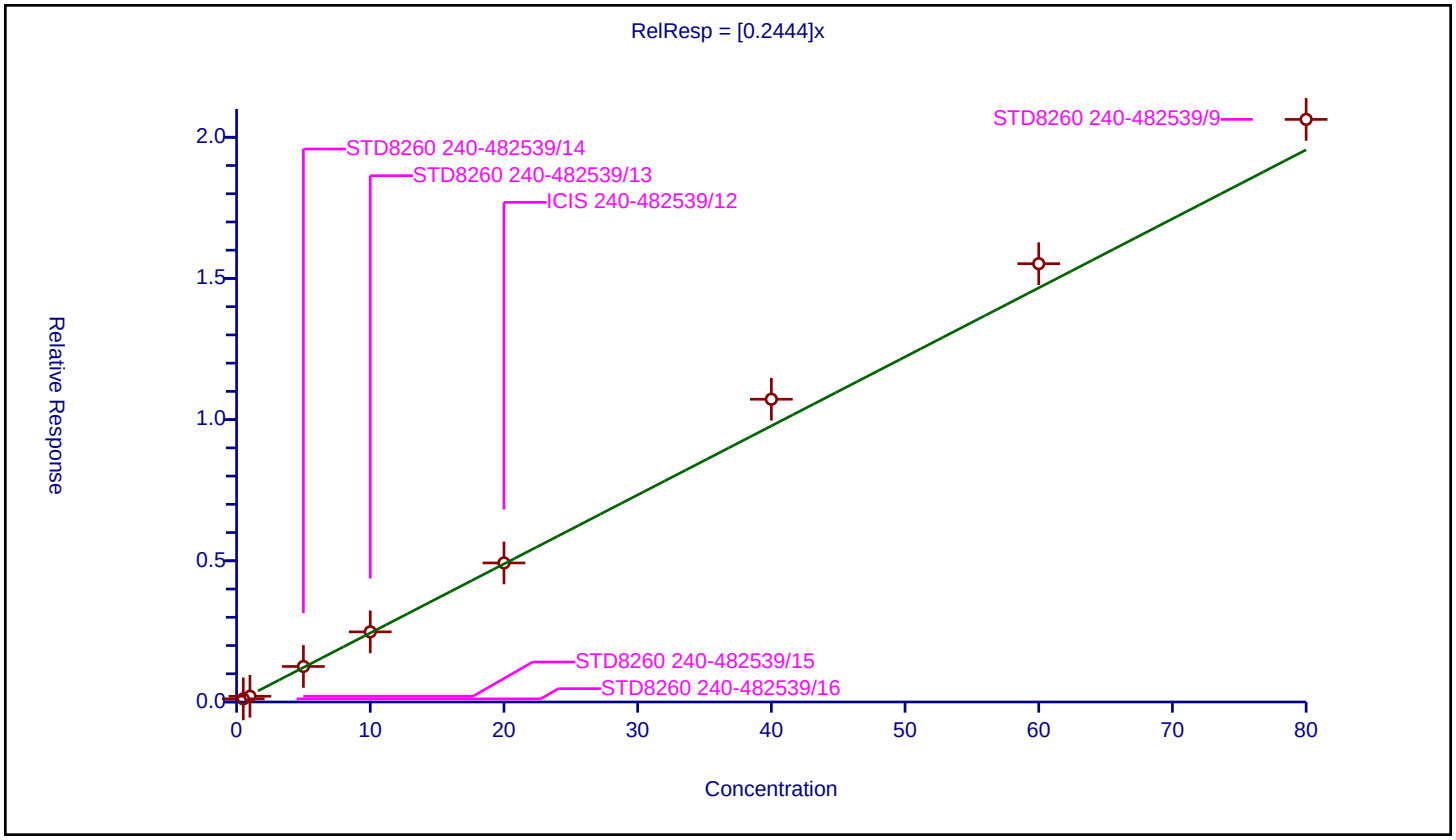
Curve Coefficients

Intercept:	0
Slope:	0.2444

Error Coefficients

Standard Error:	633000
Relative Standard Error:	8.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.110869	20.0	954643.0	0.221737	Y
2	STD8260 240-482539/15	1.0	0.202828	20.0	962589.0	0.202828	Y
3	STD8260 240-482539/14	5.0	1.258221	20.0	1036972.0	0.251644	Y
4	STD8260 240-482539/13	10.0	2.483691	20.0	1113512.0	0.248369	Y
5	ICIS 240-482539/12	20.0	4.924784	20.0	1138182.0	0.246239	Y
6	STD8260 240-482539/11	40.0	10.721985	20.0	1172490.0	0.26805	Y
7	STD8260 240-482539/10	60.0	15.522072	20.0	1177165.0	0.258701	Y
8	STD8260 240-482539/9	80.0	20.632828	20.0	1175011.0	0.25791	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

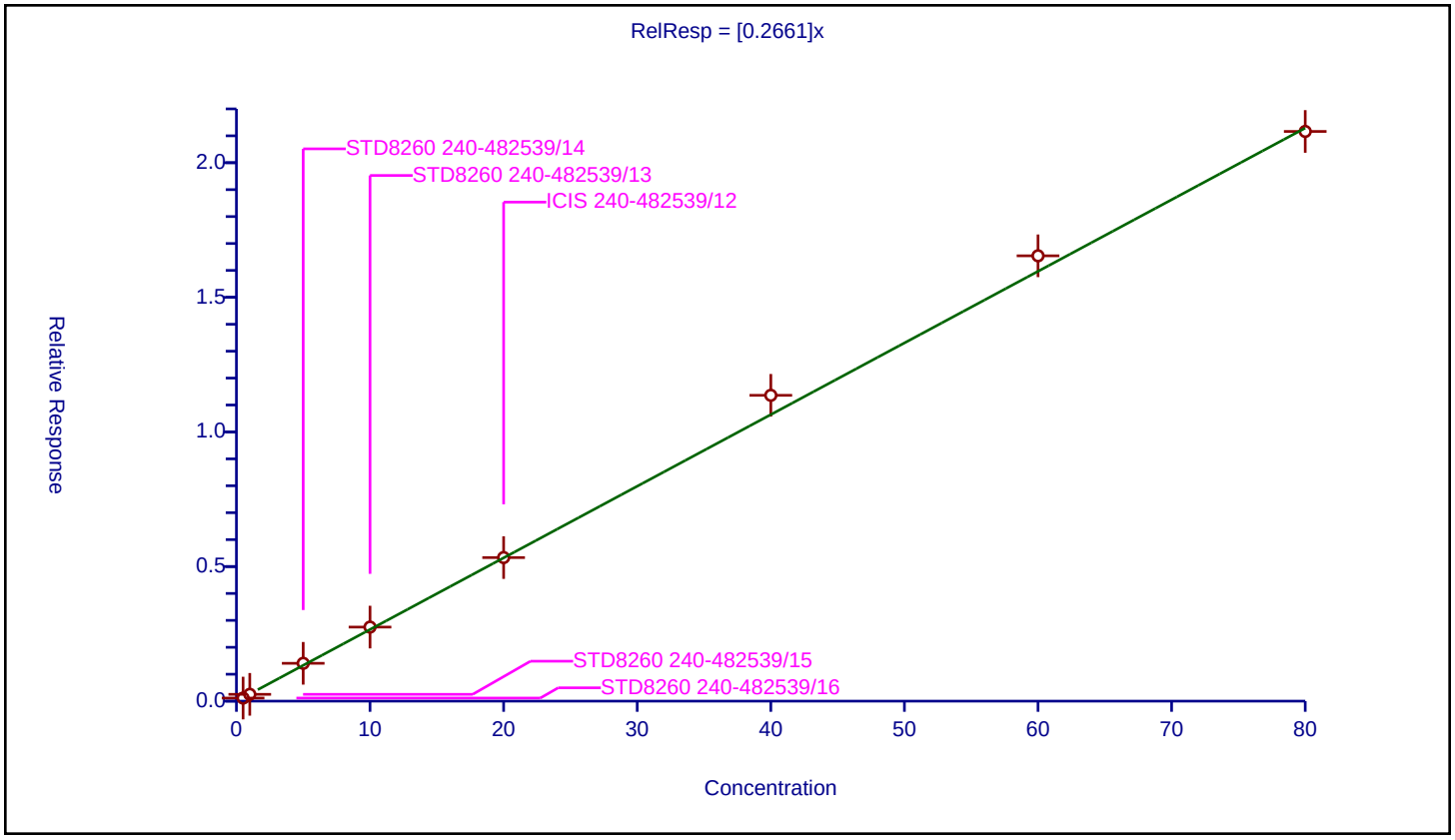
Curve Coefficients

Intercept:	0
Slope:	0.2661

Error Coefficients

Standard Error:	661000
Relative Standard Error:	6.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.114305	20.0	954643.0	0.228609	Y
2	STD8260 240-482539/15	1.0	0.253047	20.0	962589.0	0.253047	Y
3	STD8260 240-482539/14	5.0	1.40565	20.0	1036972.0	0.28113	Y
4	STD8260 240-482539/13	10.0	2.751115	20.0	1113512.0	0.275112	Y
5	ICIS 240-482539/12	20.0	5.33333	20.0	1138182.0	0.266666	Y
6	STD8260 240-482539/11	40.0	11.360012	20.0	1172490.0	0.284	Y
7	STD8260 240-482539/10	60.0	16.542218	20.0	1177165.0	0.275704	Y
8	STD8260 240-482539/9	80.0	21.161589	20.0	1175011.0	0.26452	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

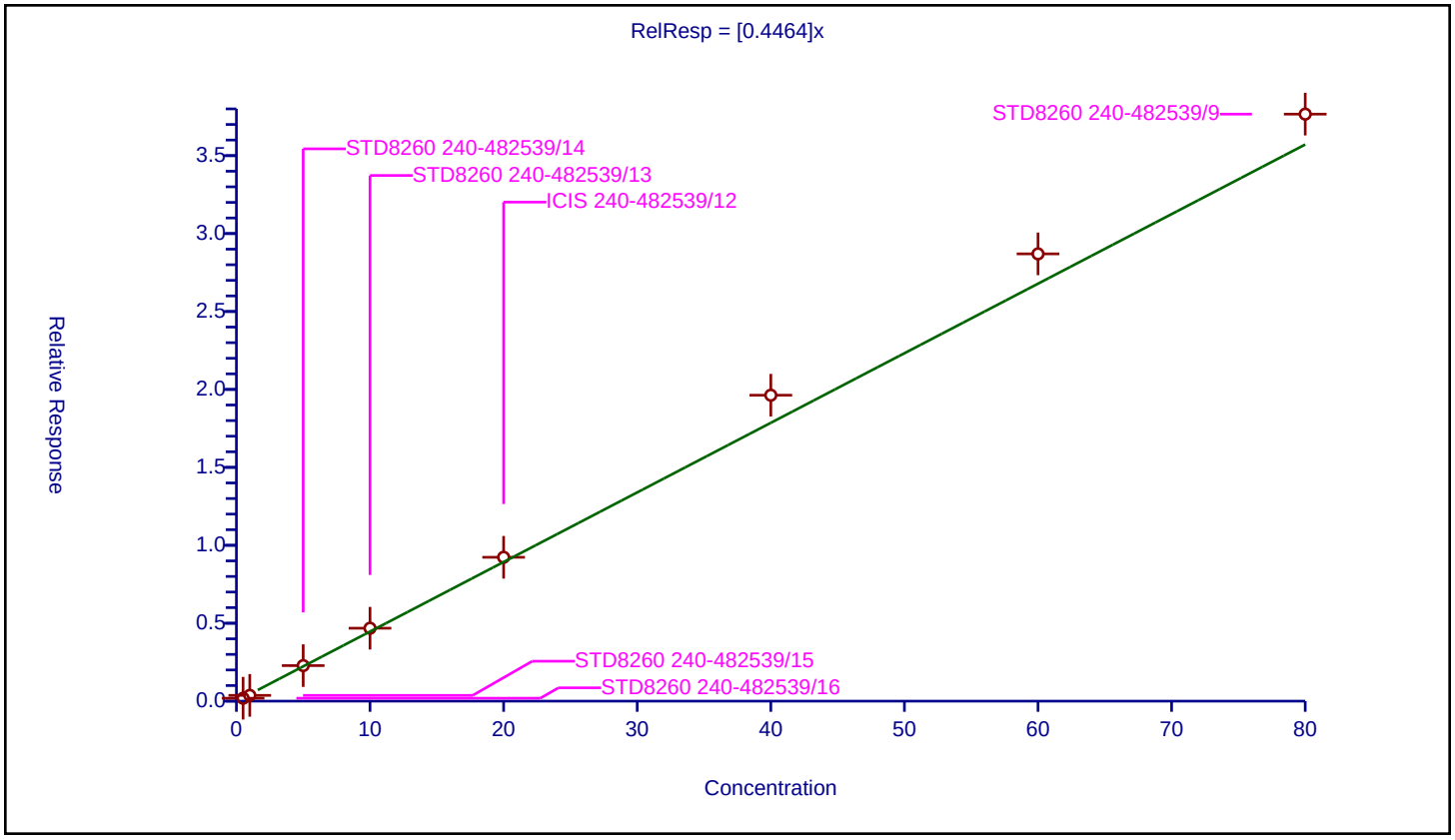
Curve Coefficients

Intercept:	0
Slope:	0.4464

Error Coefficients

Standard Error:	1160000
Relative Standard Error:	10.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.187756	20.0	954643.0	0.375512	Y
2	STD8260 240-482539/15	1.0	0.370522	20.0	962589.0	0.370522	Y
3	STD8260 240-482539/14	5.0	2.279907	20.0	1036972.0	0.455981	Y
4	STD8260 240-482539/13	10.0	4.679411	20.0	1113512.0	0.467941	Y
5	ICIS 240-482539/12	20.0	9.231142	20.0	1138182.0	0.461557	Y
6	STD8260 240-482539/11	40.0	19.629711	20.0	1172490.0	0.490743	Y
7	STD8260 240-482539/10	60.0	28.698475	20.0	1177165.0	0.478308	Y
8	STD8260 240-482539/9	80.0	37.663937	20.0	1175011.0	0.470799	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

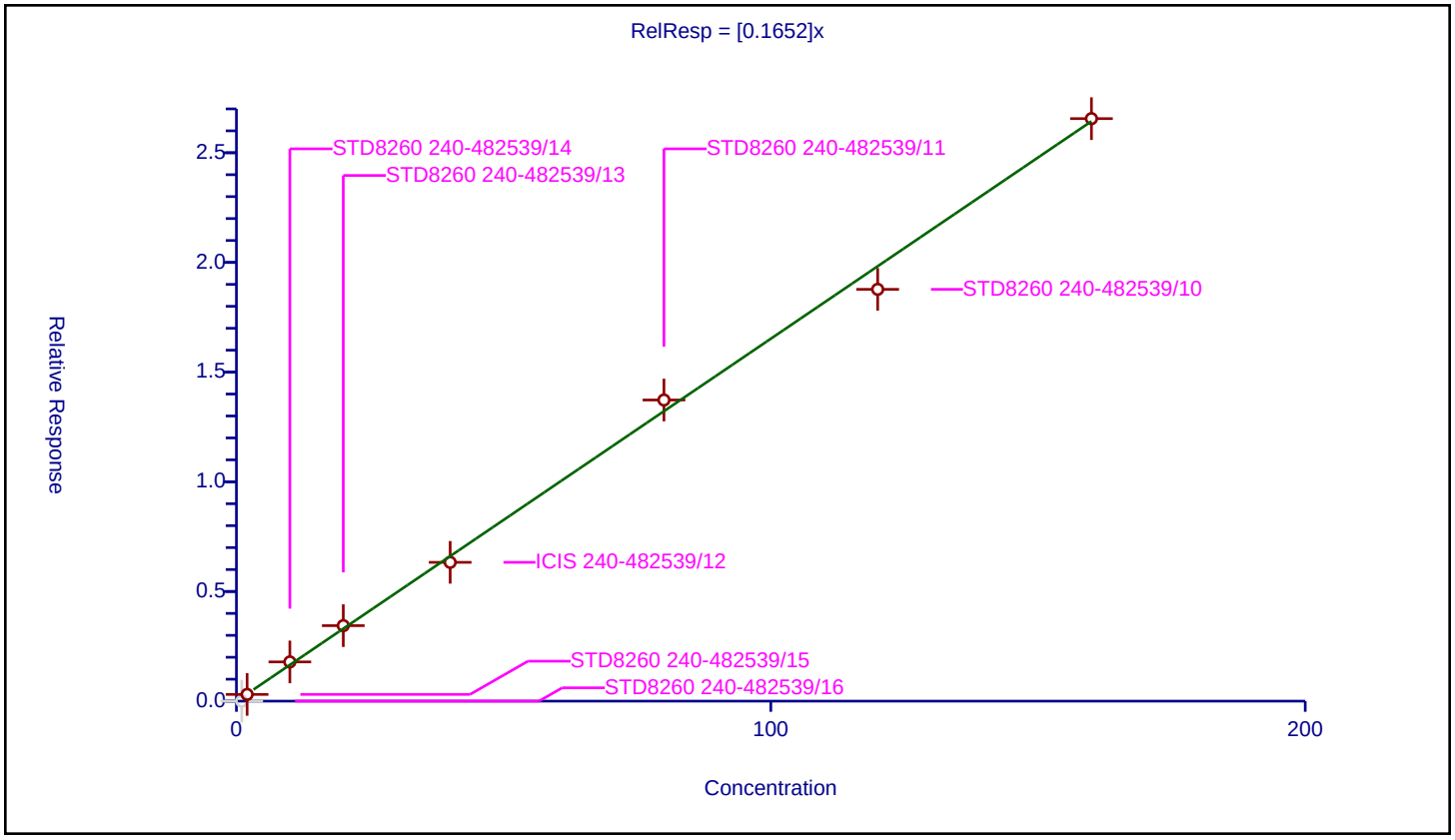
Curve Coefficients

Intercept:	0
Slope:	0.1652

Error Coefficients

Standard Error:	864000
Relative Standard Error:	5.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	1.0	0.0	20.0	954643.0	0.0	N
2	STD8260 240-482539/15	2.0	0.306943	20.0	962589.0	0.153472	Y
3	STD8260 240-482539/14	10.0	1.78784	20.0	1036972.0	0.178784	Y
4	STD8260 240-482539/13	20.0	3.441526	20.0	1113512.0	0.172076	Y
5	ICIS 240-482539/12	40.0	6.327301	20.0	1138182.0	0.158183	Y
6	STD8260 240-482539/11	80.0	13.728816	20.0	1172490.0	0.17161	Y
7	STD8260 240-482539/10	120.0	18.77397	20.0	1177165.0	0.15645	Y
8	STD8260 240-482539/9	160.0	26.555002	20.0	1175011.0	0.165969	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

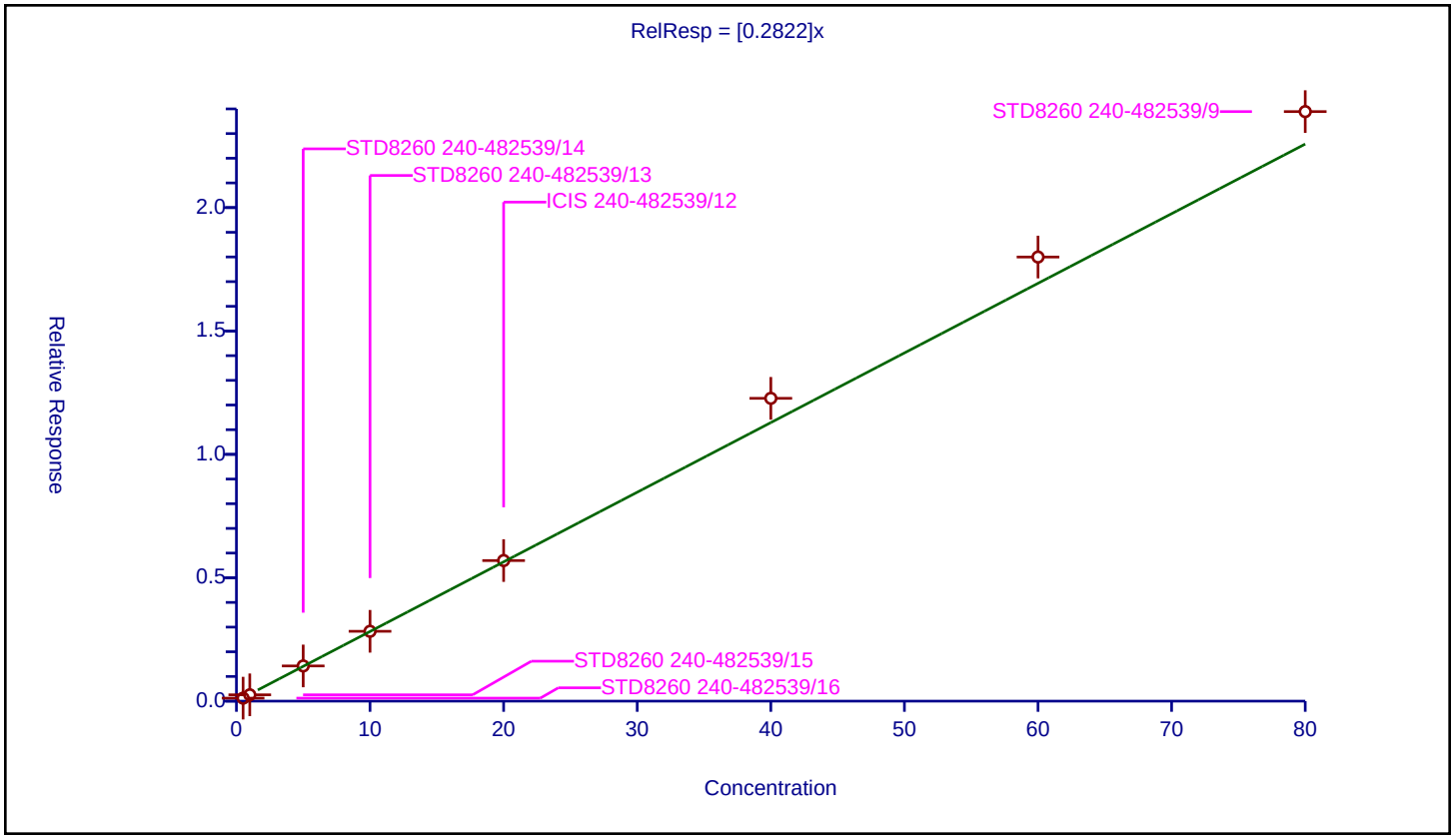
Curve Coefficients

Intercept:	0
Slope:	0.2822

Error Coefficients

Standard Error:	731000
Relative Standard Error:	7.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.121553	20.0	954643.0	0.243107	Y
2	STD8260 240-482539/15	1.0	0.255956	20.0	962589.0	0.255956	Y
3	STD8260 240-482539/14	5.0	1.426172	20.0	1036972.0	0.285234	Y
4	STD8260 240-482539/13	10.0	2.830055	20.0	1113512.0	0.283005	Y
5	ICIS 240-482539/12	20.0	5.697015	20.0	1138182.0	0.284851	Y
6	STD8260 240-482539/11	40.0	12.271422	20.0	1172490.0	0.306786	Y
7	STD8260 240-482539/10	60.0	17.996967	20.0	1177165.0	0.299949	Y
8	STD8260 240-482539/9	80.0	23.88987	20.0	1175011.0	0.298623	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

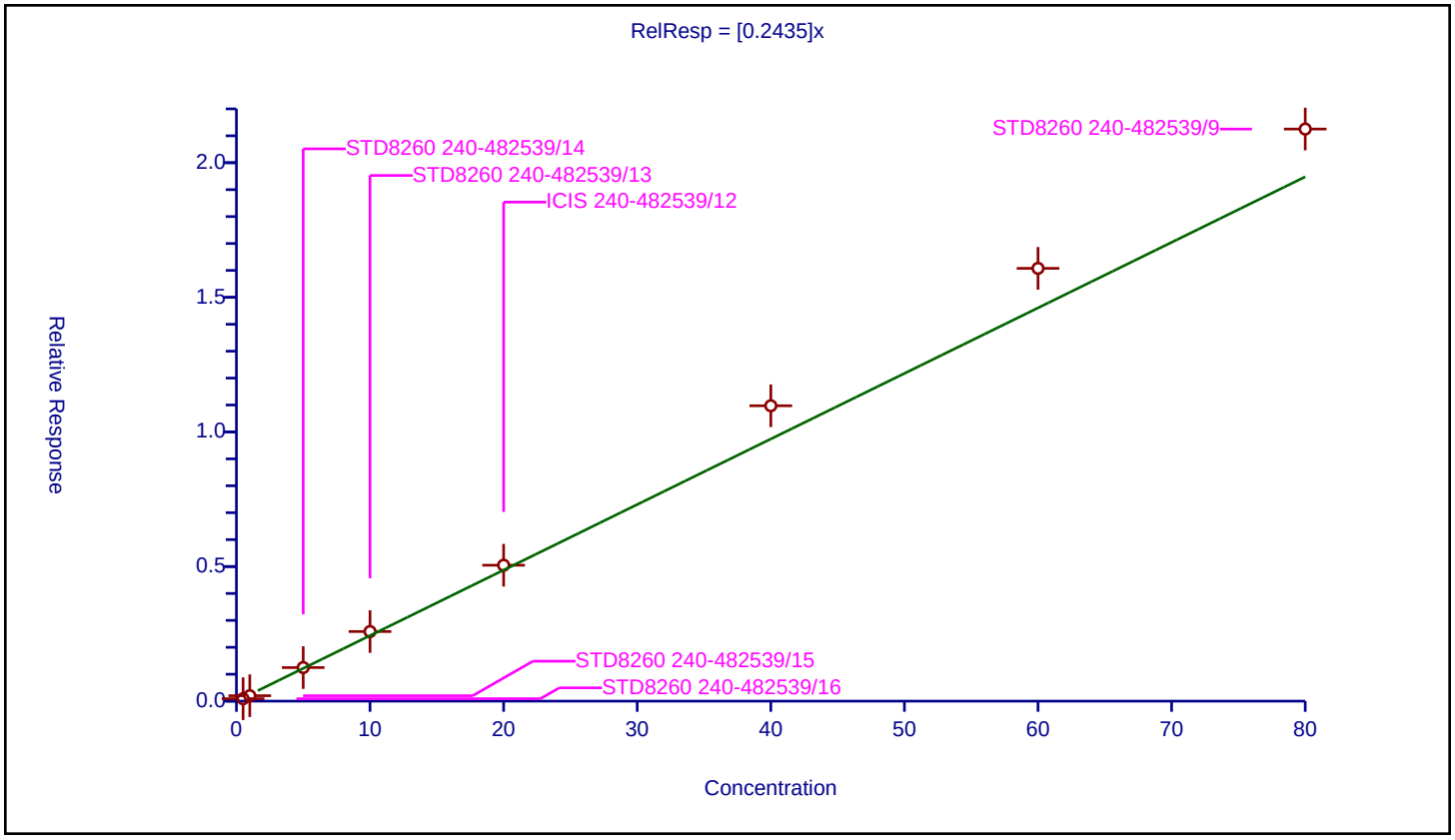
Curve Coefficients

Intercept:	0
Slope:	0.2435

Error Coefficients

Standard Error:	652000
Relative Standard Error:	14.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.089122	20.0	954643.0	0.178245	Y
2	STD8260 240-482539/15	1.0	0.201124	20.0	962589.0	0.201124	Y
3	STD8260 240-482539/14	5.0	1.247305	20.0	1036972.0	0.249461	Y
4	STD8260 240-482539/13	10.0	2.585208	20.0	1113512.0	0.258521	Y
5	ICIS 240-482539/12	20.0	5.04921	20.0	1138182.0	0.252461	Y
6	STD8260 240-482539/11	40.0	10.972529	20.0	1172490.0	0.274313	Y
7	STD8260 240-482539/10	60.0	16.076608	20.0	1177165.0	0.267943	Y
8	STD8260 240-482539/9	80.0	21.251256	20.0	1175011.0	0.265641	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

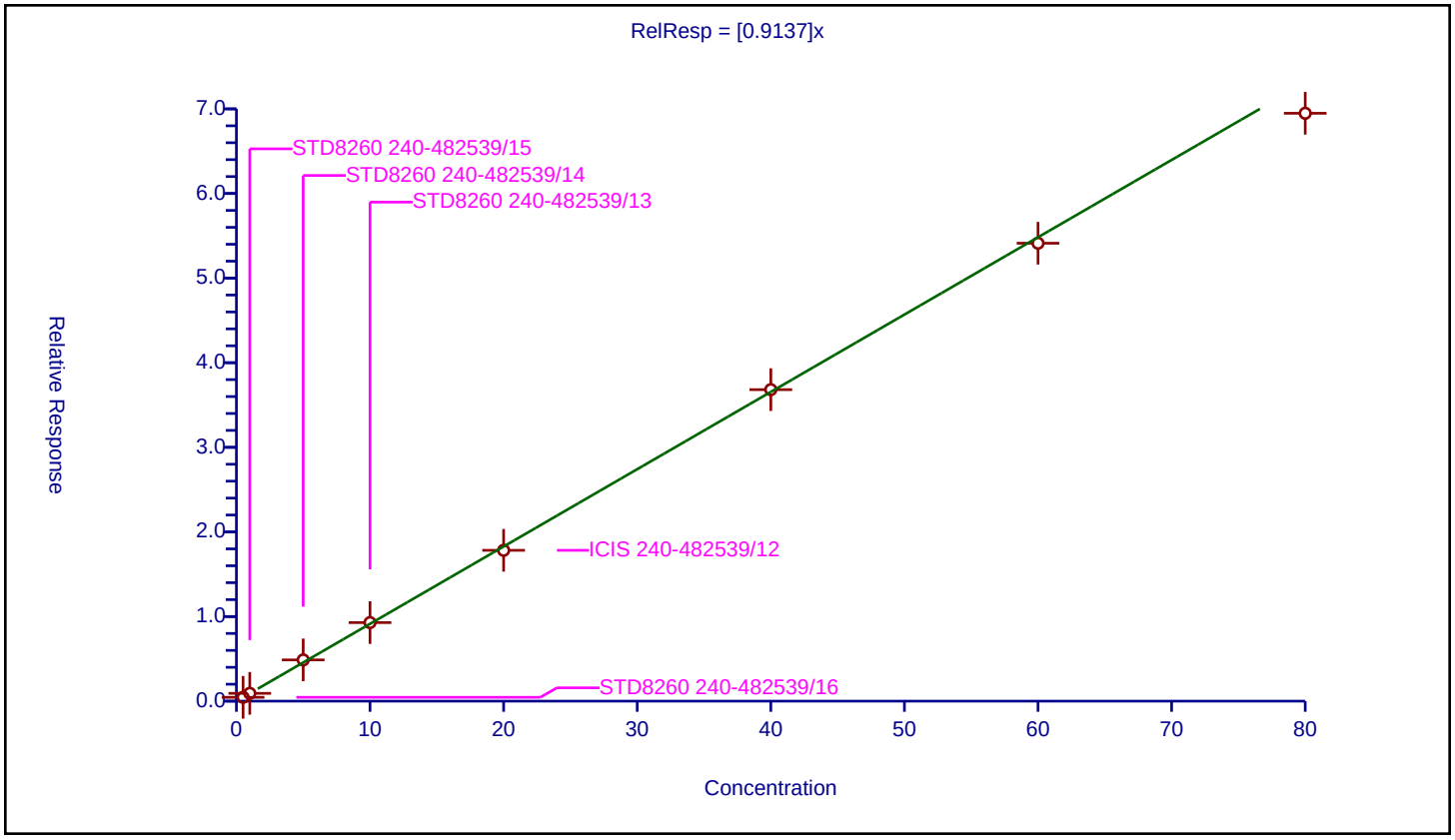
Curve Coefficients

Intercept:	0
Slope:	0.9137

Error Coefficients

Standard Error:	2170000
Relative Standard Error:	3.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.451708	20.0	954643.0	0.903416	Y
2	STD8260 240-482539/15	1.0	0.920912	20.0	962589.0	0.920912	Y
3	STD8260 240-482539/14	5.0	4.874712	20.0	1036972.0	0.974942	Y
4	STD8260 240-482539/13	10.0	9.284372	20.0	1113512.0	0.928437	Y
5	ICIS 240-482539/12	20.0	17.826182	20.0	1138182.0	0.891309	Y
6	STD8260 240-482539/11	40.0	36.816621	20.0	1172490.0	0.920416	Y
7	STD8260 240-482539/10	60.0	54.12023	20.0	1177165.0	0.902004	Y
8	STD8260 240-482539/9	80.0	69.479639	20.0	1175011.0	0.868495	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

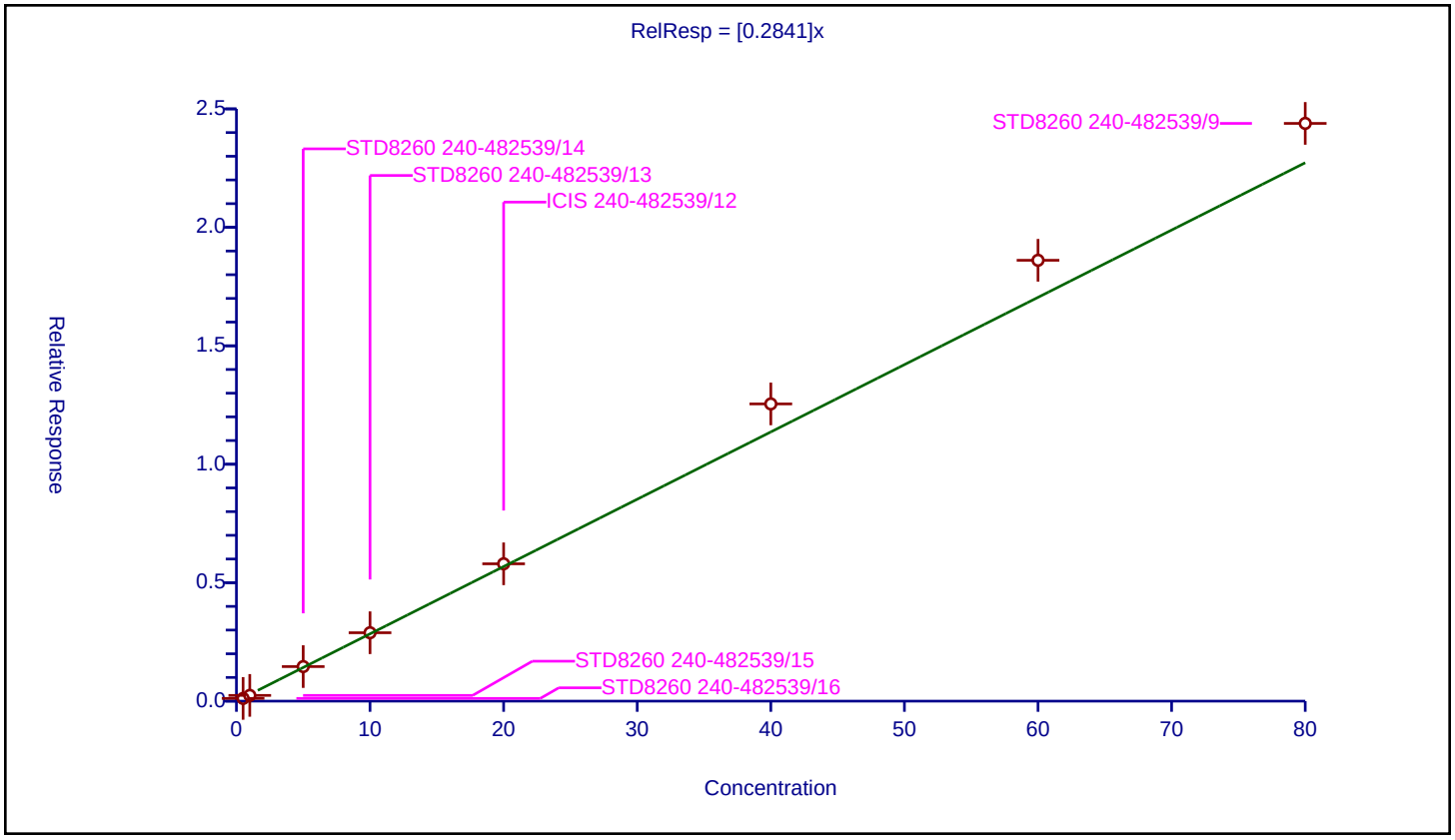
Curve Coefficients

Intercept:	0
Slope:	0.2841

Error Coefficients

Standard Error:	750000
Relative Standard Error:	10.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.115687	20.0	954643.0	0.231374	Y
2	STD8260 240-482539/15	1.0	0.242201	20.0	962589.0	0.242201	Y
3	STD8260 240-482539/14	5.0	1.458766	20.0	1036972.0	0.291753	Y
4	STD8260 240-482539/13	10.0	2.887495	20.0	1113512.0	0.288749	Y
5	ICIS 240-482539/12	20.0	5.797509	20.0	1138182.0	0.289875	Y
6	STD8260 240-482539/11	40.0	12.546887	20.0	1172490.0	0.313672	Y
7	STD8260 240-482539/10	60.0	18.609541	20.0	1177165.0	0.310159	Y
8	STD8260 240-482539/9	80.0	24.387448	20.0	1175011.0	0.304843	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

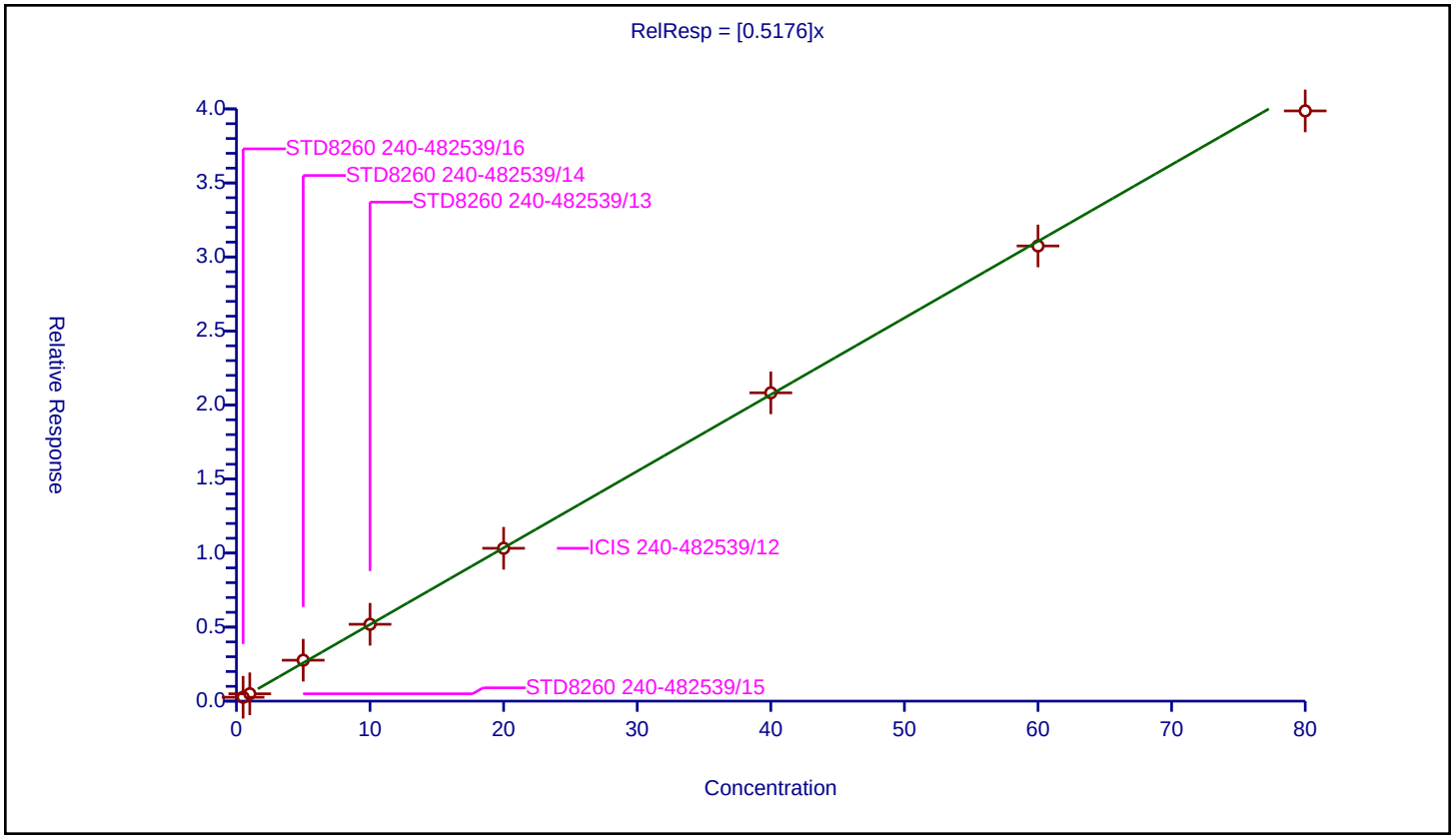
Curve Coefficients

Intercept:	0
Slope:	0.5176

Error Coefficients

Standard Error:	1240000
Relative Standard Error:	3.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.262004	20.0	954643.0	0.524007	Y
2	STD8260 240-482539/15	1.0	0.497762	20.0	962589.0	0.497762	Y
3	STD8260 240-482539/14	5.0	2.763835	20.0	1036972.0	0.552767	Y
4	STD8260 240-482539/13	10.0	5.189922	20.0	1113512.0	0.518992	Y
5	ICIS 240-482539/12	20.0	10.324096	20.0	1138182.0	0.516205	Y
6	STD8260 240-482539/11	40.0	20.823922	20.0	1172490.0	0.520598	Y
7	STD8260 240-482539/10	60.0	30.742419	20.0	1177165.0	0.512374	Y
8	STD8260 240-482539/9	80.0	39.864631	20.0	1175011.0	0.498308	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

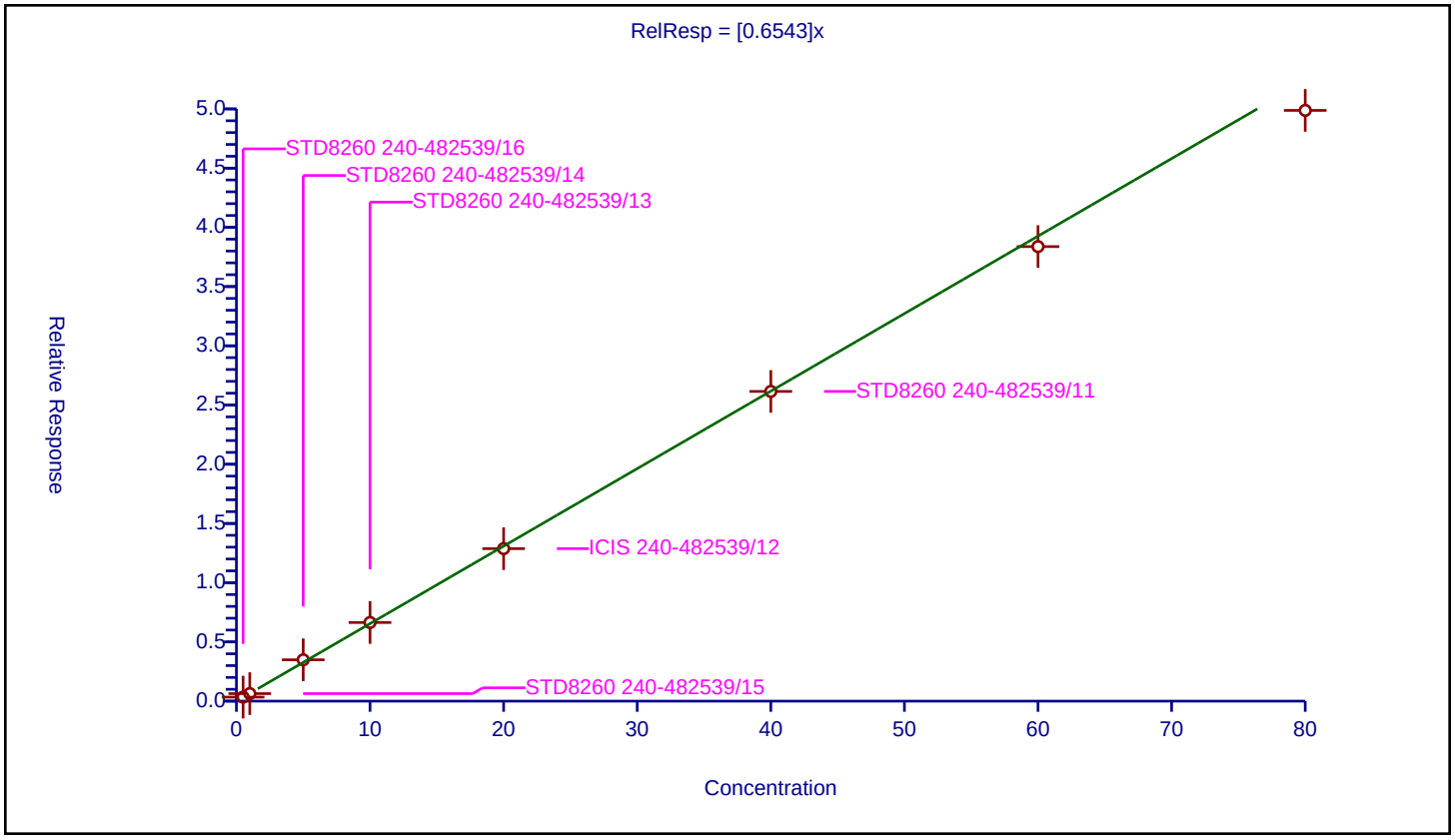
Curve Coefficients

Intercept:	0
Slope:	0.6543

Error Coefficients

Standard Error:	1550000
Relative Standard Error:	3.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.3382	20.0	954643.0	0.676399	Y
2	STD8260 240-482539/15	1.0	0.635952	20.0	962589.0	0.635952	Y
3	STD8260 240-482539/14	5.0	3.490181	20.0	1036972.0	0.698036	Y
4	STD8260 240-482539/13	10.0	6.639839	20.0	1113512.0	0.663984	Y
5	ICIS 240-482539/12	20.0	12.874795	20.0	1138182.0	0.64374	Y
6	STD8260 240-482539/11	40.0	26.146219	20.0	1172490.0	0.653655	Y
7	STD8260 240-482539/10	60.0	38.374213	20.0	1177165.0	0.63957	Y
8	STD8260 240-482539/9	80.0	49.874512	20.0	1175011.0	0.623431	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

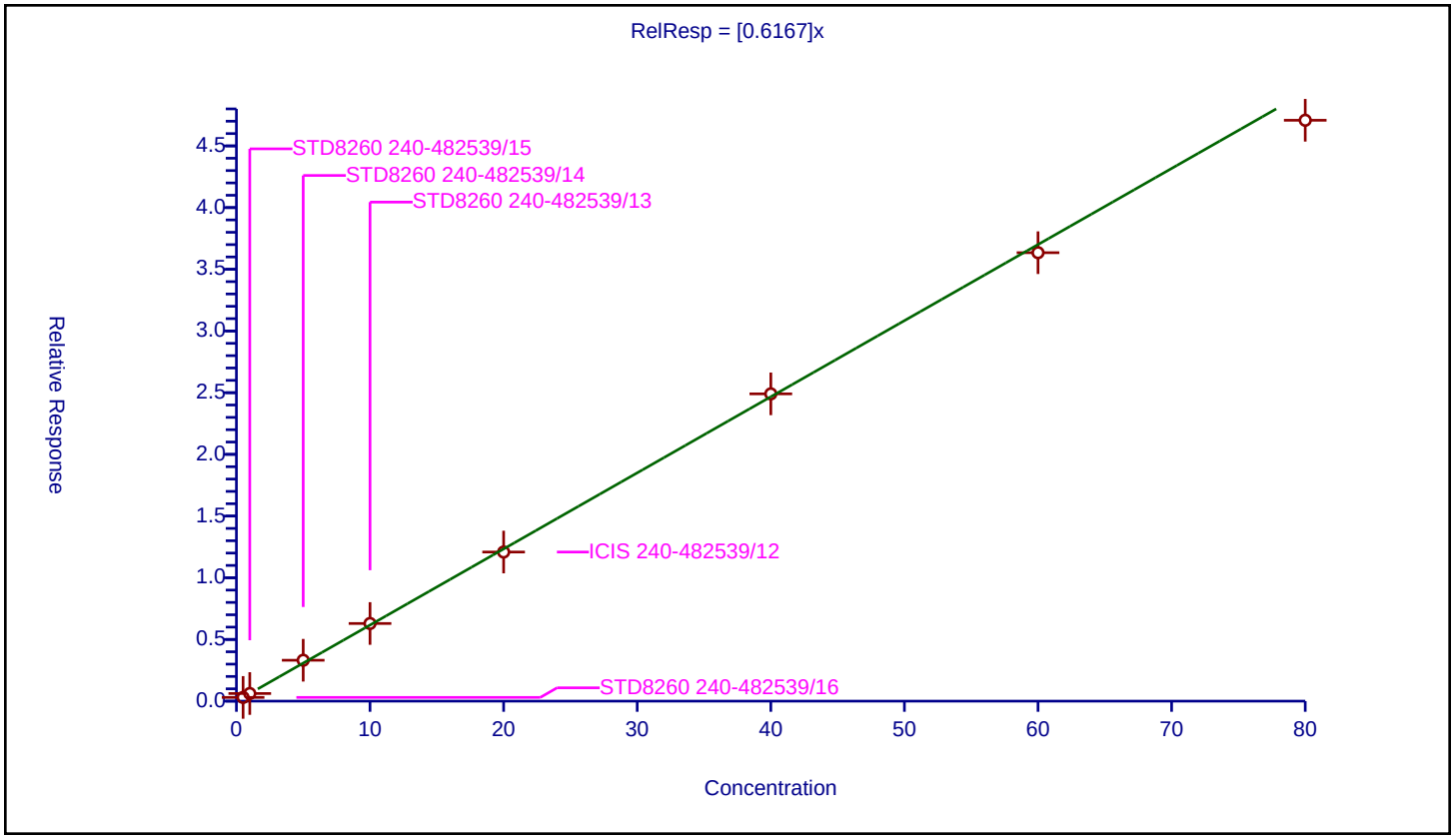
Curve Coefficients

Intercept:	0
Slope:	0.6167

Error Coefficients

Standard Error:	1460000
Relative Standard Error:	3.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.301306	20.0	954643.0	0.602613	Y
2	STD8260 240-482539/15	1.0	0.617979	20.0	962589.0	0.617979	Y
3	STD8260 240-482539/14	5.0	3.314824	20.0	1036972.0	0.662965	Y
4	STD8260 240-482539/13	10.0	6.293367	20.0	1113512.0	0.629337	Y
5	ICIS 240-482539/12	20.0	12.08464	20.0	1138182.0	0.604232	Y
6	STD8260 240-482539/11	40.0	24.904281	20.0	1172490.0	0.622607	Y
7	STD8260 240-482539/10	60.0	36.344574	20.0	1177165.0	0.605743	Y
8	STD8260 240-482539/9	80.0	47.077312	20.0	1175011.0	0.588466	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

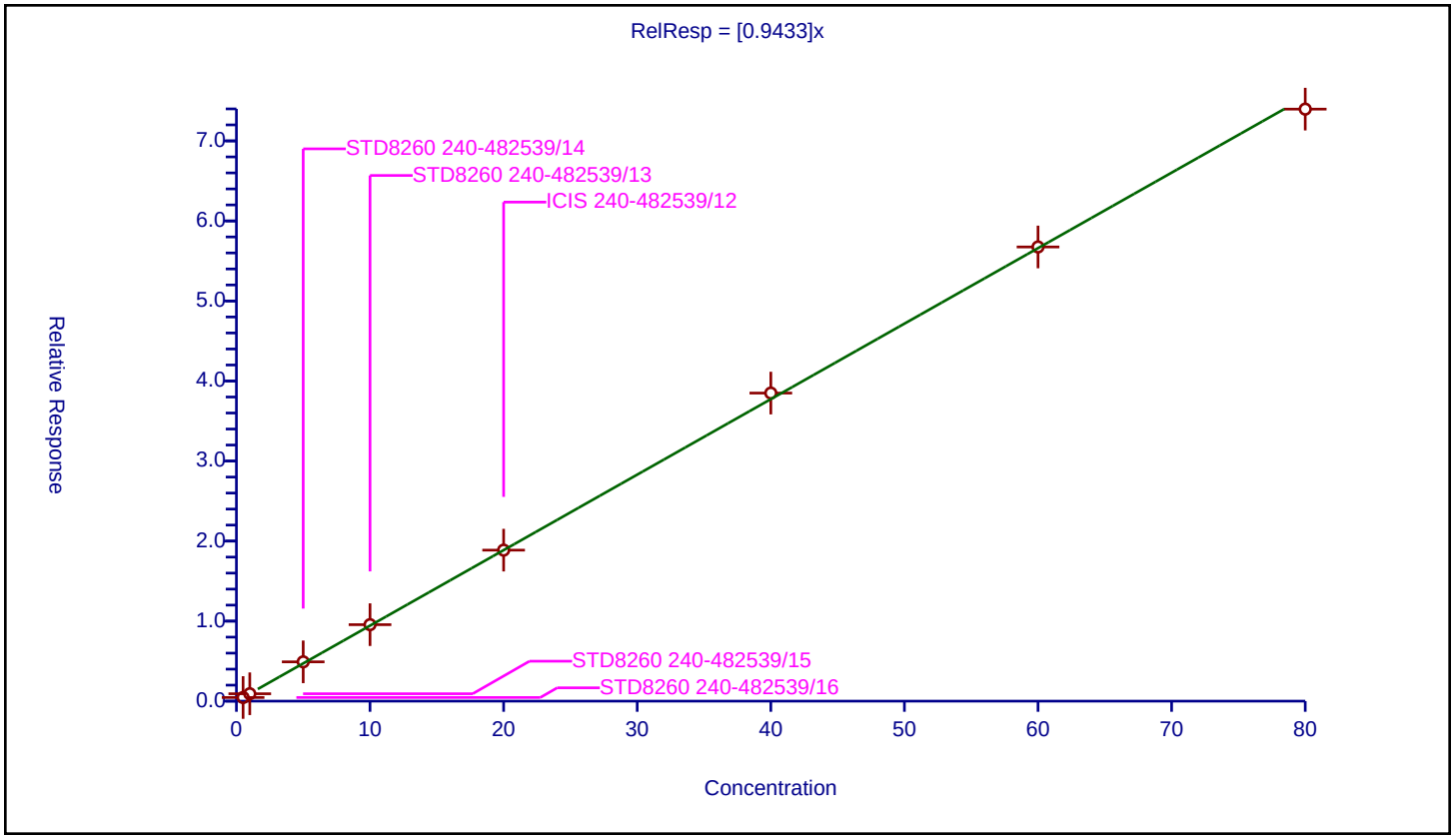
Curve Coefficients

Intercept:	0
Slope:	0.9433

Error Coefficients

Standard Error:	2290000
Relative Standard Error:	2.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.455144	20.0	954643.0	0.910288	Y
2	STD8260 240-482539/15	1.0	0.922346	20.0	962589.0	0.922346	Y
3	STD8260 240-482539/14	5.0	4.910972	20.0	1036972.0	0.982194	Y
4	STD8260 240-482539/13	10.0	9.55485	20.0	1113512.0	0.955485	Y
5	ICIS 240-482539/12	20.0	18.867018	20.0	1138182.0	0.943351	Y
6	STD8260 240-482539/11	40.0	38.492064	20.0	1172490.0	0.962302	Y
7	STD8260 240-482539/10	60.0	56.748969	20.0	1177165.0	0.945816	Y
8	STD8260 240-482539/9	80.0	73.971495	20.0	1175011.0	0.924644	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

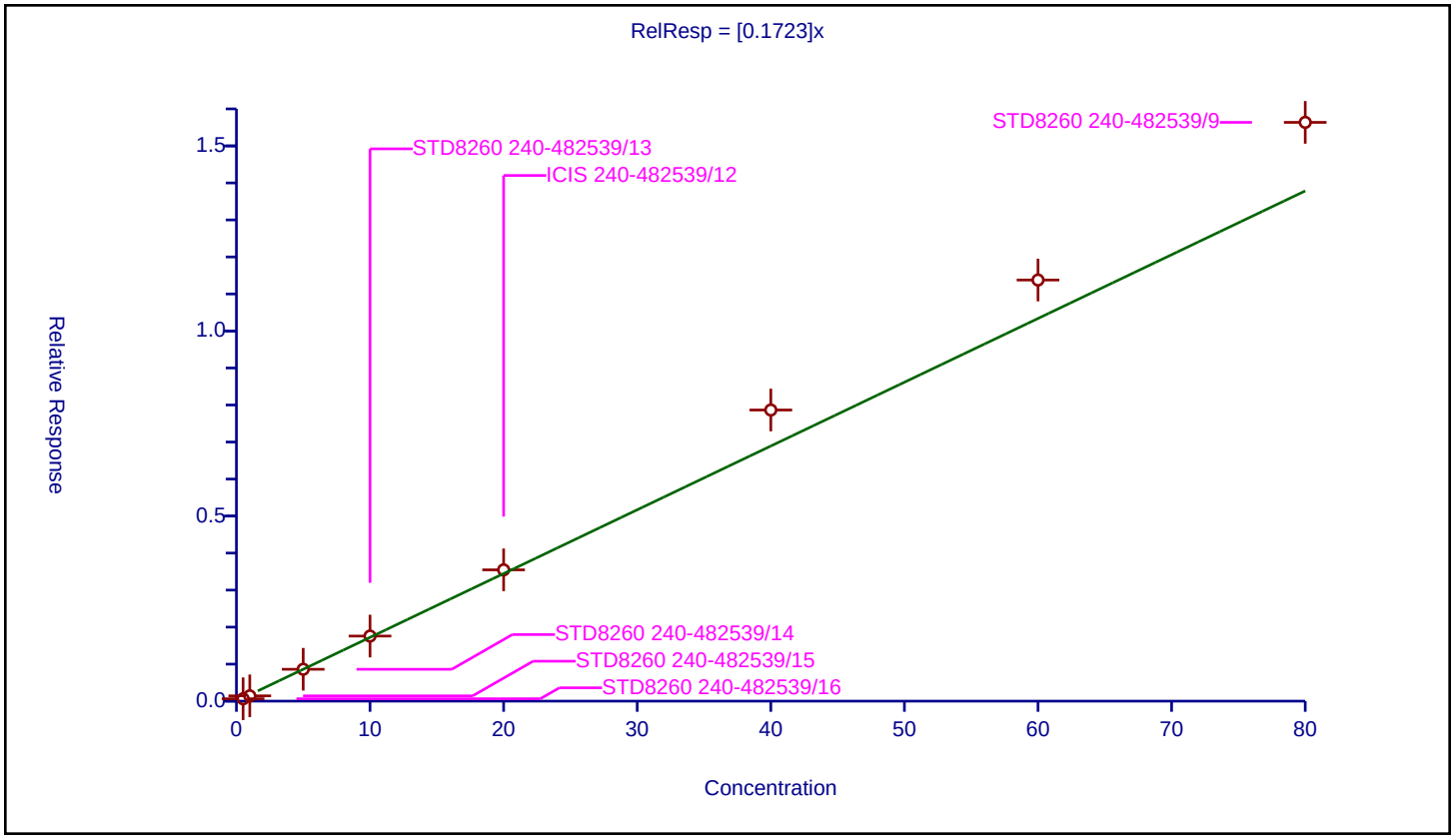
Curve Coefficients

Intercept:	0
Slope:	0.1723

Error Coefficients

Standard Error:	472000
Relative Standard Error:	14.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.064129	20.0	954643.0	0.128257	Y
2	STD8260 240-482539/15	1.0	0.143052	20.0	962589.0	0.143052	Y
3	STD8260 240-482539/14	5.0	0.861258	20.0	1036972.0	0.172252	Y
4	STD8260 240-482539/13	10.0	1.758077	20.0	1113512.0	0.175808	Y
5	ICIS 240-482539/12	20.0	3.546691	20.0	1138182.0	0.177335	Y
6	STD8260 240-482539/11	40.0	7.865091	20.0	1172490.0	0.196627	Y
7	STD8260 240-482539/10	60.0	11.377012	20.0	1177165.0	0.189617	Y
8	STD8260 240-482539/9	80.0	15.636177	20.0	1175011.0	0.195452	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

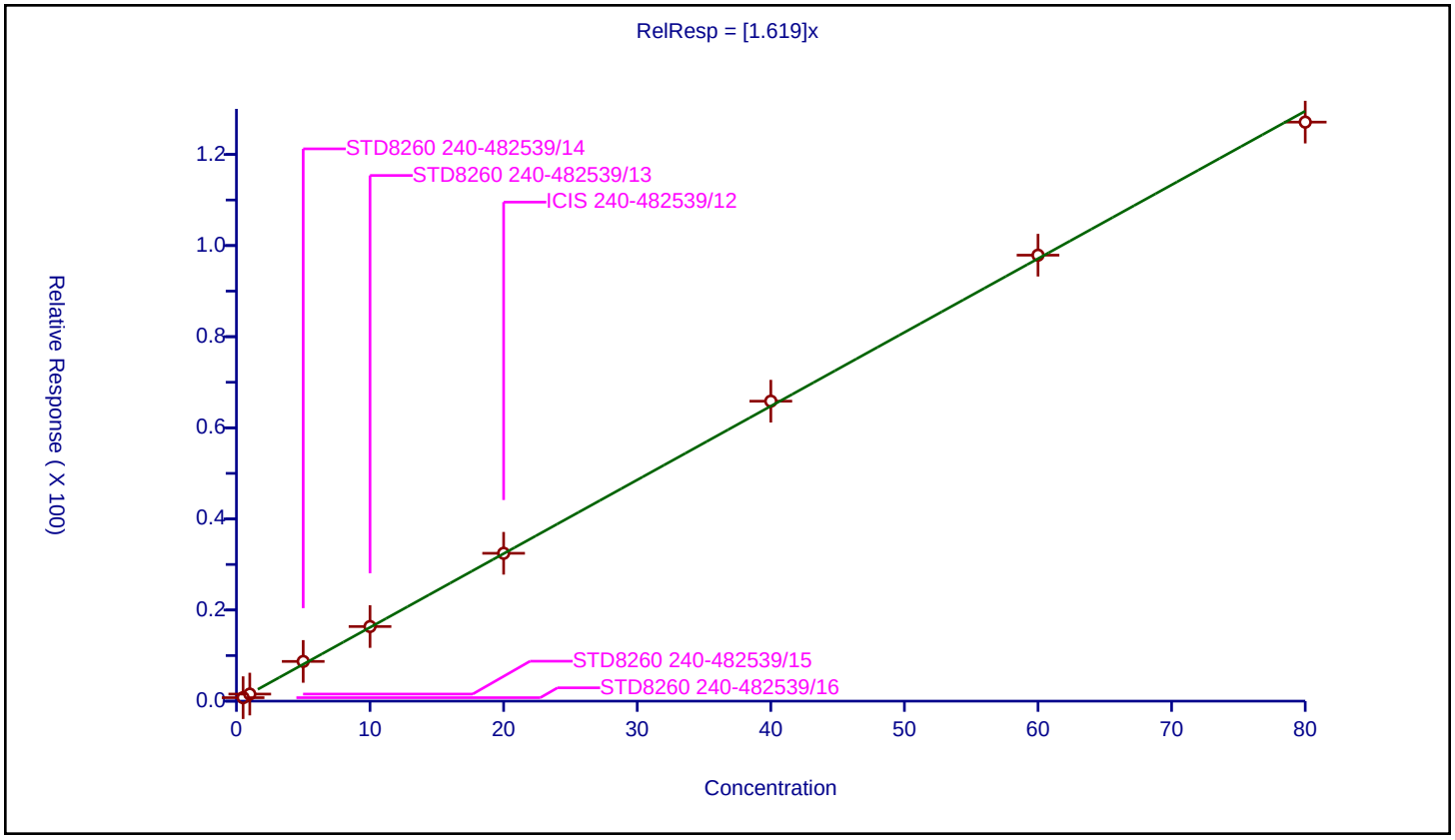
Curve Coefficients

Intercept:	0
Slope:	1.619

Error Coefficients

Standard Error:	3930000
Relative Standard Error:	4.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.763971	20.0	954643.0	1.527943	Y
2	STD8260 240-482539/15	1.0	1.551649	20.0	962589.0	1.551649	Y
3	STD8260 240-482539/14	5.0	8.720062	20.0	1036972.0	1.744012	Y
4	STD8260 240-482539/13	10.0	16.378629	20.0	1113512.0	1.637863	Y
5	ICIS 240-482539/12	20.0	32.457814	20.0	1138182.0	1.622891	Y
6	STD8260 240-482539/11	40.0	65.843683	20.0	1172490.0	1.646092	Y
7	STD8260 240-482539/10	60.0	97.893685	20.0	1177165.0	1.631561	Y
8	STD8260 240-482539/9	80.0	127.101057	20.0	1175011.0	1.588763	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

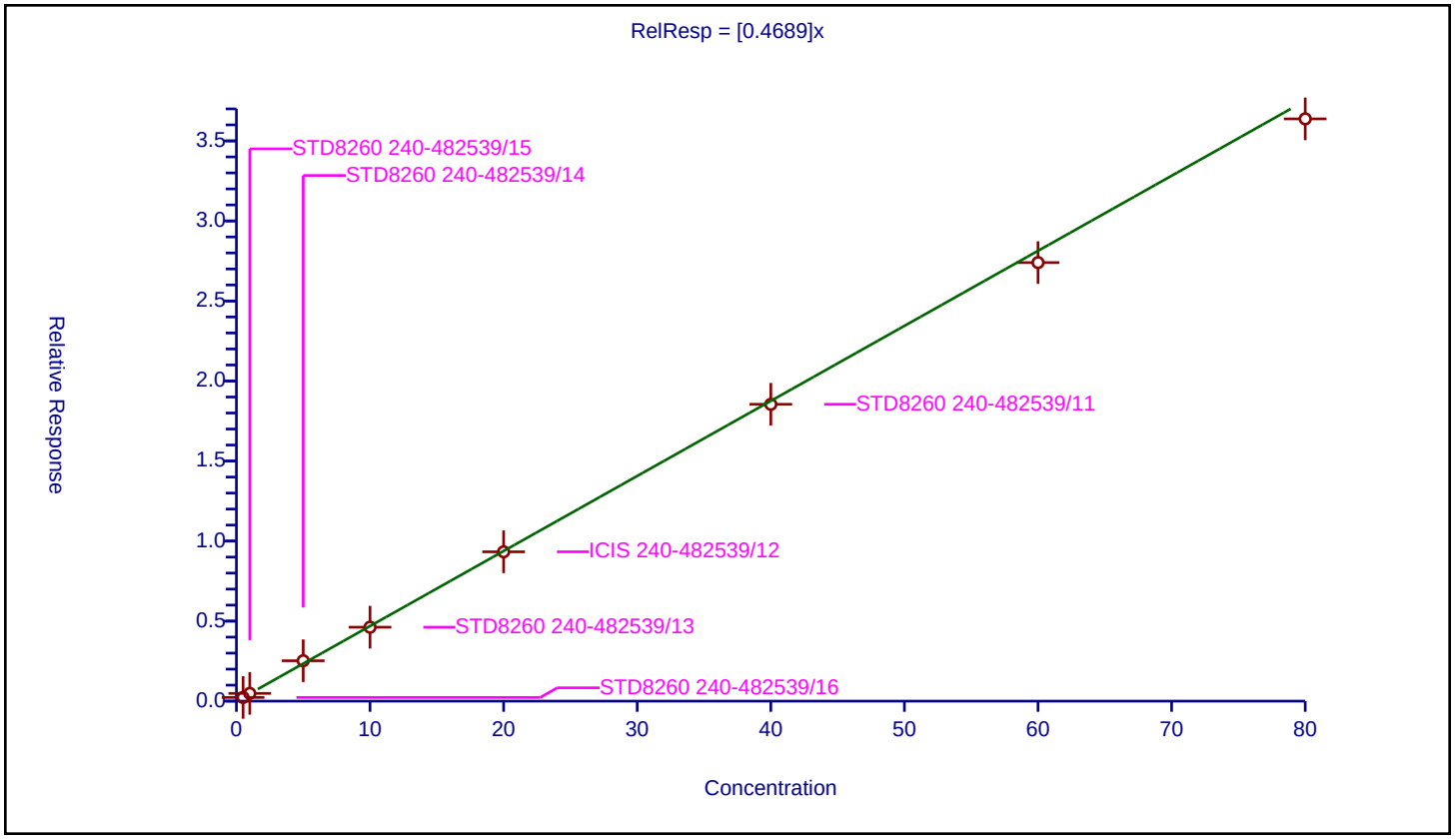
Curve Coefficients

Intercept:	0
Slope:	0.4689

Error Coefficients

Standard Error:	1120000
Relative Standard Error:	3.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.230076	20.0	954643.0	0.460151	Y
2	STD8260 240-482539/15	1.0	0.482823	20.0	962589.0	0.482823	Y
3	STD8260 240-482539/14	5.0	2.52406	20.0	1036972.0	0.504812	Y
4	STD8260 240-482539/13	10.0	4.618594	20.0	1113512.0	0.461859	Y
5	ICIS 240-482539/12	20.0	9.329492	20.0	1138182.0	0.466475	Y
6	STD8260 240-482539/11	40.0	18.544499	20.0	1172490.0	0.463612	Y
7	STD8260 240-482539/10	60.0	27.397892	20.0	1177165.0	0.456632	Y
8	STD8260 240-482539/9	80.0	36.375966	20.0	1175011.0	0.4547	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

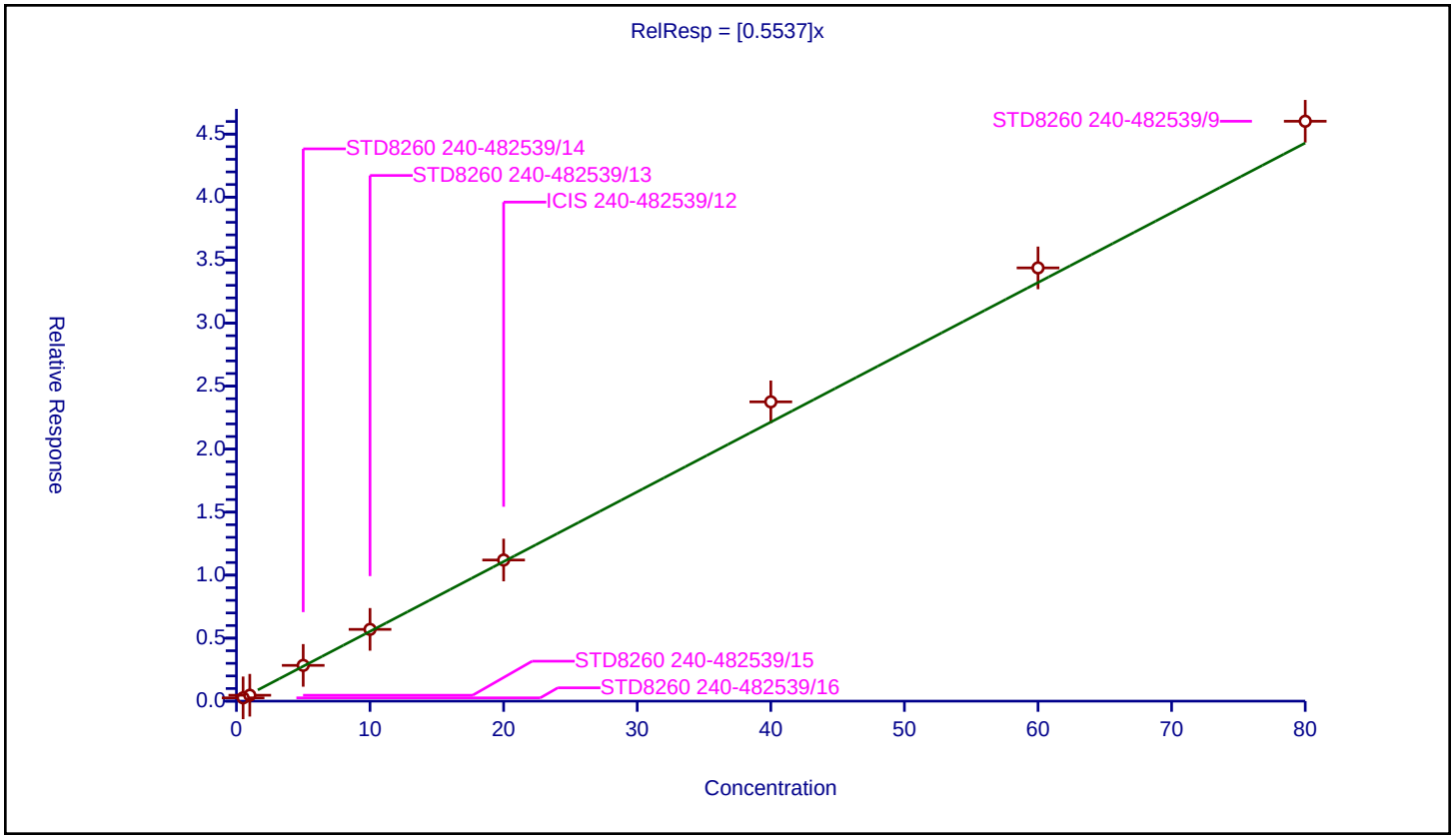
Curve Coefficients

Intercept:	0
Slope:	0.5537

Error Coefficients

Standard Error:	772000
Relative Standard Error:	7.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.261153	20.0	526359.0	0.522305	Y
2	STD8260 240-482539/15	1.0	0.467734	20.0	537741.0	0.467734	Y
3	STD8260 240-482539/14	5.0	2.83768	20.0	561078.0	0.567536	Y
4	STD8260 240-482539/13	10.0	5.696087	20.0	595960.0	0.569609	Y
5	ICIS 240-482539/12	20.0	11.199918	20.0	621051.0	0.559996	Y
6	STD8260 240-482539/11	40.0	23.752068	20.0	635127.0	0.593802	Y
7	STD8260 240-482539/10	60.0	34.381186	20.0	633664.0	0.57302	Y
8	STD8260 240-482539/9	80.0	46.01931	20.0	653221.0	0.575241	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

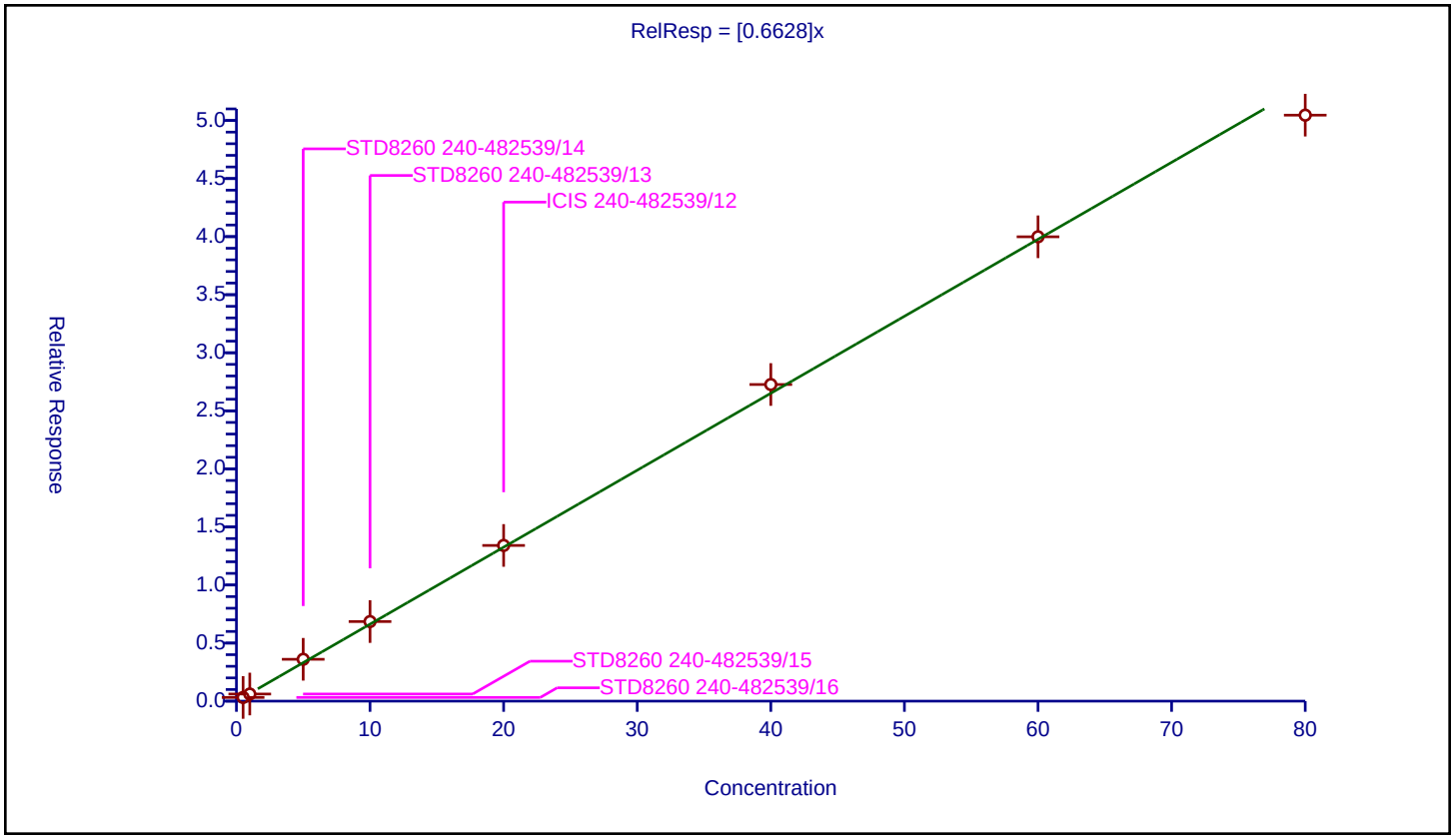
Curve Coefficients

Intercept:	0
Slope:	0.6628

Error Coefficients

Standard Error:	870000
Relative Standard Error:	5.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.317312	20.0	526359.0	0.634624	Y
2	STD8260 240-482539/15	1.0	0.612563	20.0	537741.0	0.612563	Y
3	STD8260 240-482539/14	5.0	3.604169	20.0	561078.0	0.720834	Y
4	STD8260 240-482539/13	10.0	6.85348	20.0	595960.0	0.685348	Y
5	ICIS 240-482539/12	20.0	13.407627	20.0	621051.0	0.670381	Y
6	STD8260 240-482539/11	40.0	27.265948	20.0	635127.0	0.681649	Y
7	STD8260 240-482539/10	60.0	39.986018	20.0	633664.0	0.666434	Y
8	STD8260 240-482539/9	80.0	50.461237	20.0	653221.0	0.630765	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

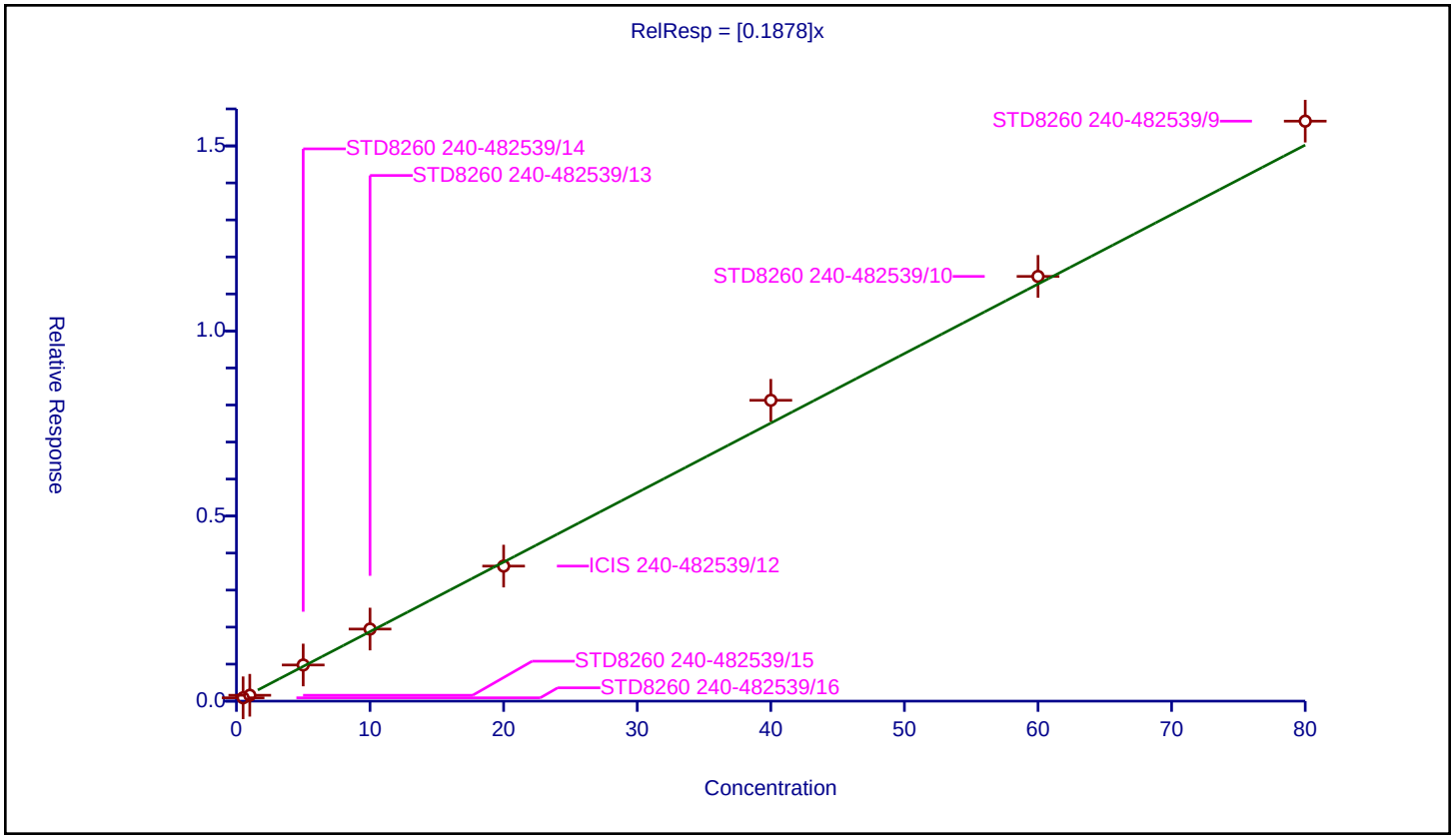
Curve Coefficients

Intercept:	0
Slope:	0.1878

Error Coefficients

Standard Error:	261000
Relative Standard Error:	7.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.090357	20.0	526359.0	0.180713	Y
2	STD8260 240-482539/15	1.0	0.158775	20.0	537741.0	0.158775	Y
3	STD8260 240-482539/14	5.0	0.976976	20.0	561078.0	0.195395	Y
4	STD8260 240-482539/13	10.0	1.947748	20.0	595960.0	0.194775	Y
5	ICIS 240-482539/12	20.0	3.648557	20.0	621051.0	0.182428	Y
6	STD8260 240-482539/11	40.0	8.127319	20.0	635127.0	0.203183	Y
7	STD8260 240-482539/10	60.0	11.473778	20.0	633664.0	0.19123	Y
8	STD8260 240-482539/9	80.0	15.669306	20.0	653221.0	0.195866	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

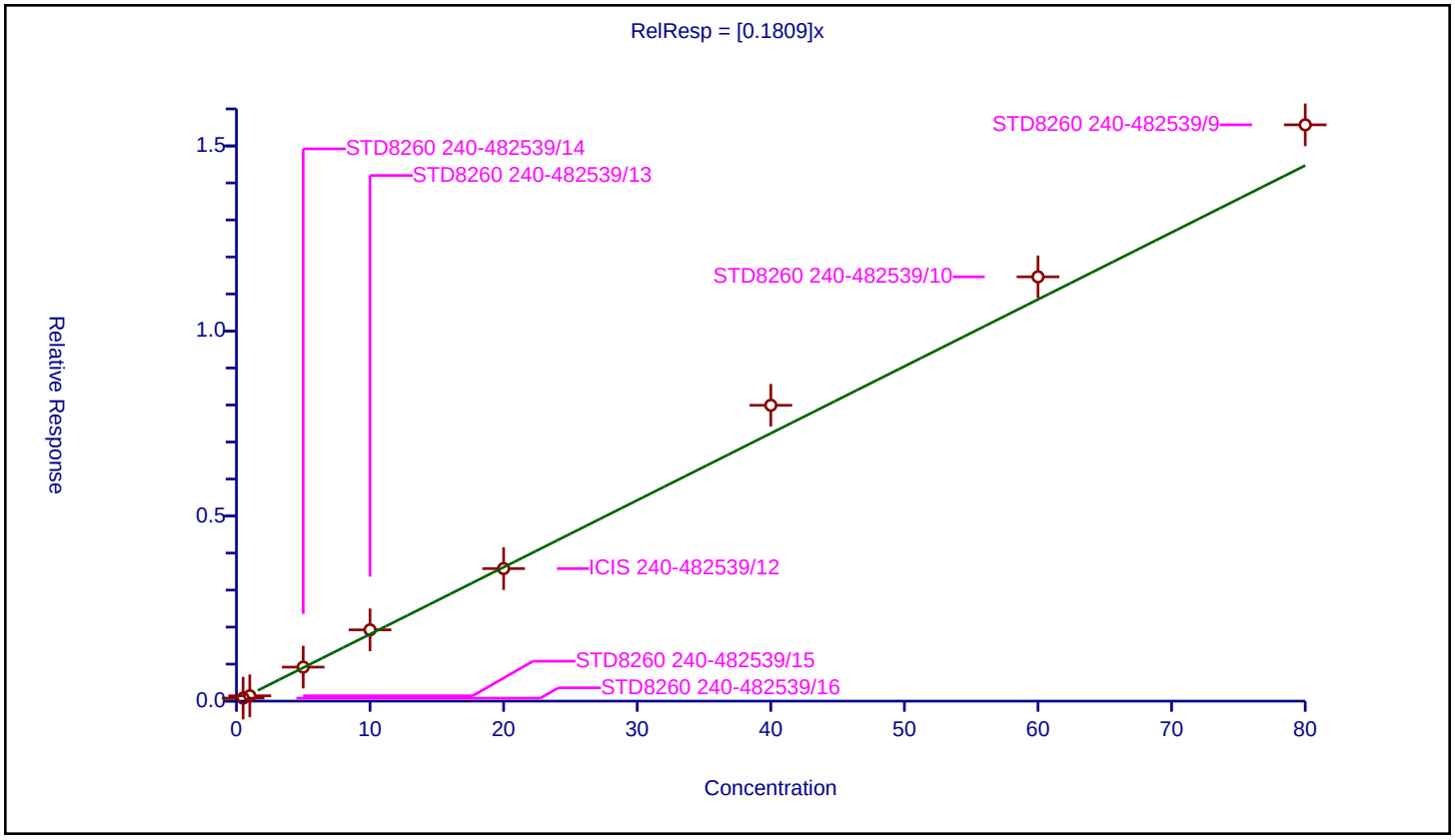
Curve Coefficients

Intercept:	0
Slope:	0.1809

Error Coefficients

Standard Error:	259000
Relative Standard Error:	10.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.080819	20.0	526359.0	0.161639	Y
2	STD8260 240-482539/15	1.0	0.144419	20.0	537741.0	0.144419	Y
3	STD8260 240-482539/14	5.0	0.919266	20.0	561078.0	0.183853	Y
4	STD8260 240-482539/13	10.0	1.925666	20.0	595960.0	0.192567	Y
5	ICIS 240-482539/12	20.0	3.581026	20.0	621051.0	0.179051	Y
6	STD8260 240-482539/11	40.0	7.993205	20.0	635127.0	0.19983	Y
7	STD8260 240-482539/10	60.0	11.463015	20.0	633664.0	0.19105	Y
8	STD8260 240-482539/9	80.0	15.569616	20.0	653221.0	0.19462	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

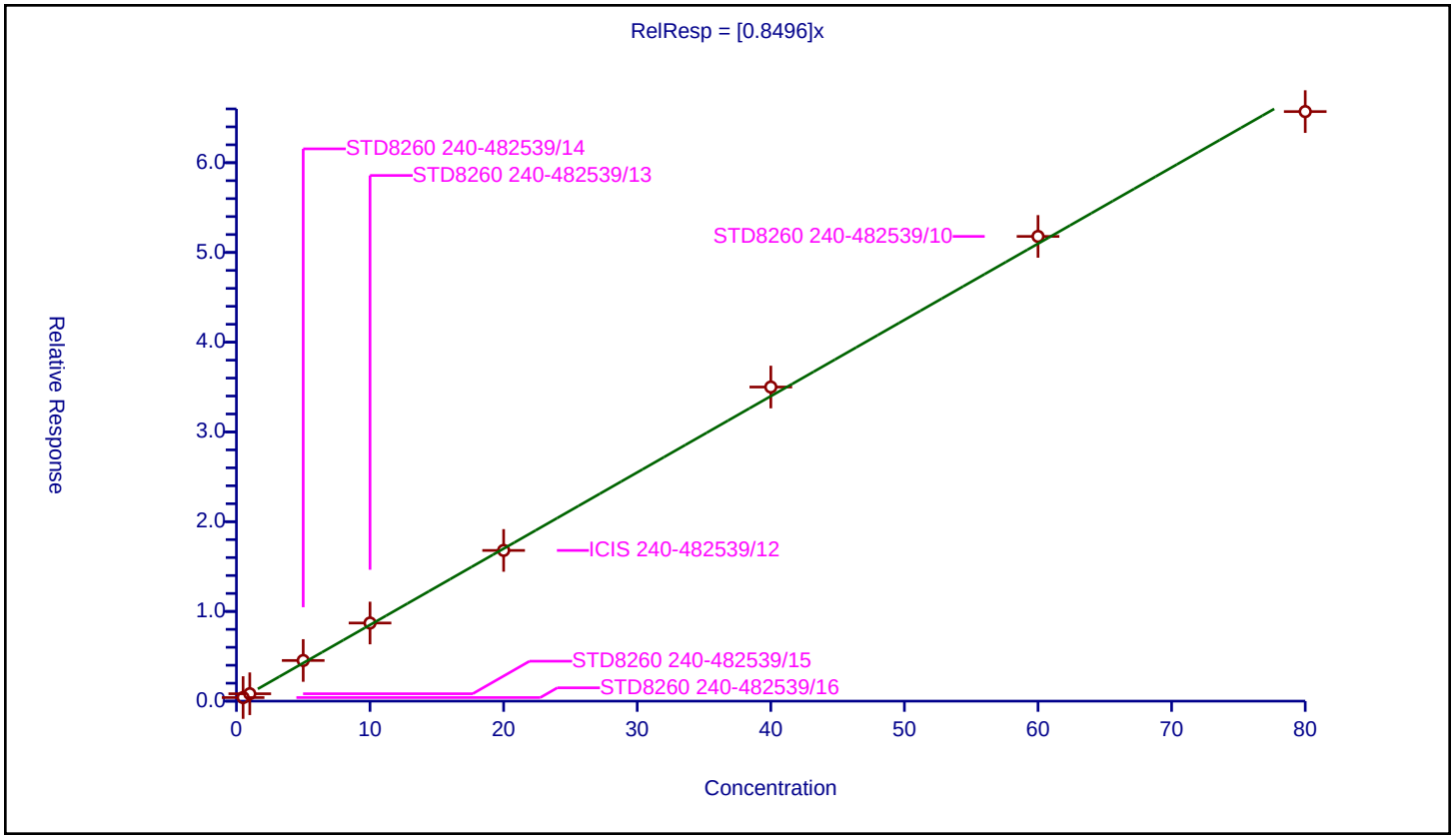
Curve Coefficients

Intercept:	0
Slope:	0.8496

Error Coefficients

Standard Error:	1130000
Relative Standard Error:	4.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.399613	20.0	526359.0	0.799226	Y
2	STD8260 240-482539/15	1.0	0.82218	20.0	537741.0	0.82218	Y
3	STD8260 240-482539/14	5.0	4.530101	20.0	561078.0	0.90602	Y
4	STD8260 240-482539/13	10.0	8.705651	20.0	595960.0	0.870565	Y
5	ICIS 240-482539/12	20.0	16.793597	20.0	621051.0	0.83968	Y
6	STD8260 240-482539/11	40.0	35.00544	20.0	635127.0	0.875136	Y
7	STD8260 240-482539/10	60.0	51.787319	20.0	633664.0	0.863122	Y
8	STD8260 240-482539/9	80.0	65.699296	20.0	653221.0	0.821241	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

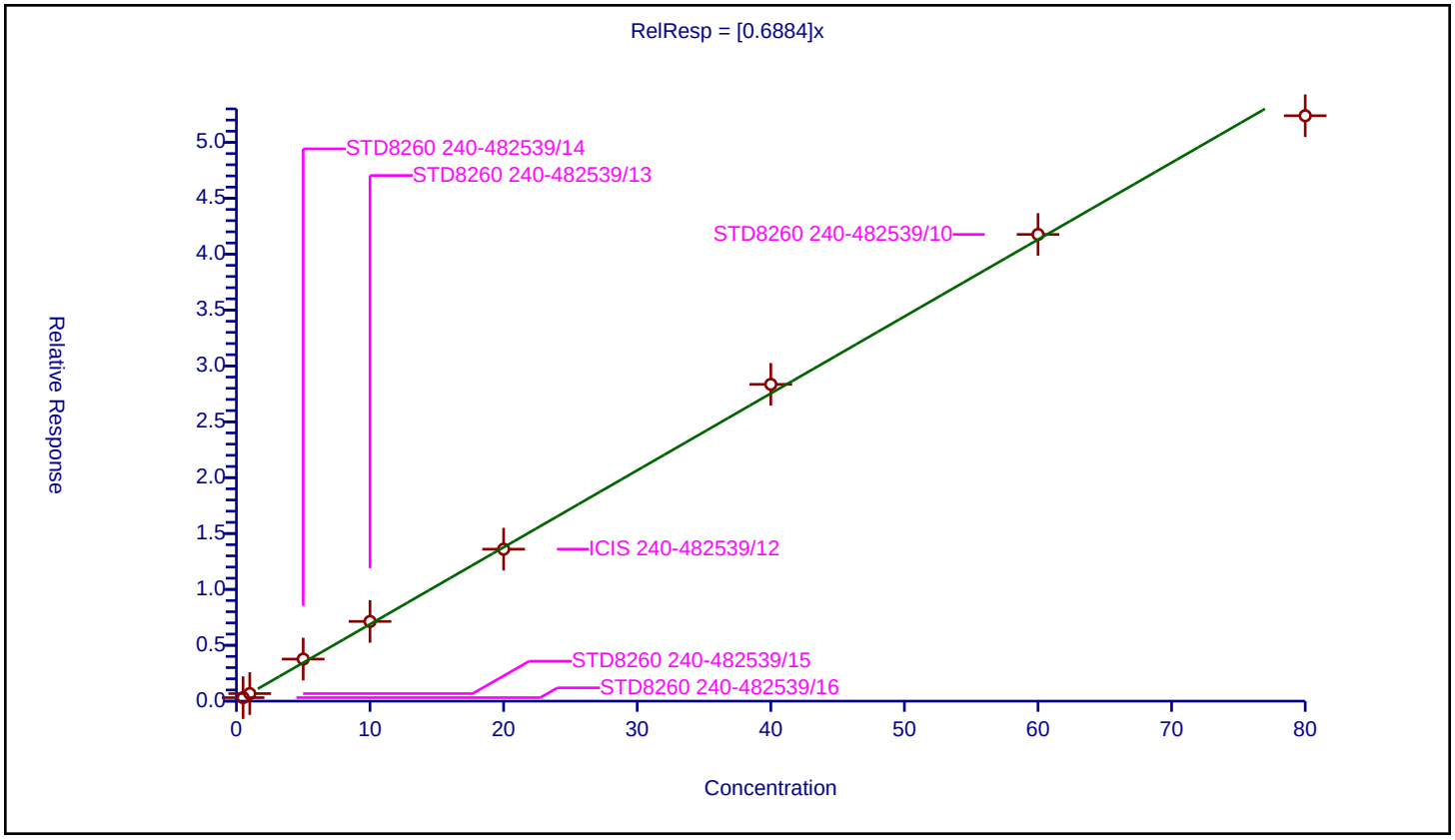
Curve Coefficients

Intercept:	0
Slope:	0.6884

Error Coefficients

Standard Error:	904000
Relative Standard Error:	5.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.31317	20.0	526359.0	0.626341	Y
2	STD8260 240-482539/15	1.0	0.675492	20.0	537741.0	0.675492	Y
3	STD8260 240-482539/14	5.0	3.763078	20.0	561078.0	0.752616	Y
4	STD8260 240-482539/13	10.0	7.132391	20.0	595960.0	0.713239	Y
5	ICIS 240-482539/12	20.0	13.599946	20.0	621051.0	0.679997	Y
6	STD8260 240-482539/11	40.0	28.350645	20.0	635127.0	0.708766	Y
7	STD8260 240-482539/10	60.0	41.763206	20.0	633664.0	0.696053	Y
8	STD8260 240-482539/9	80.0	52.387079	20.0	653221.0	0.654838	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

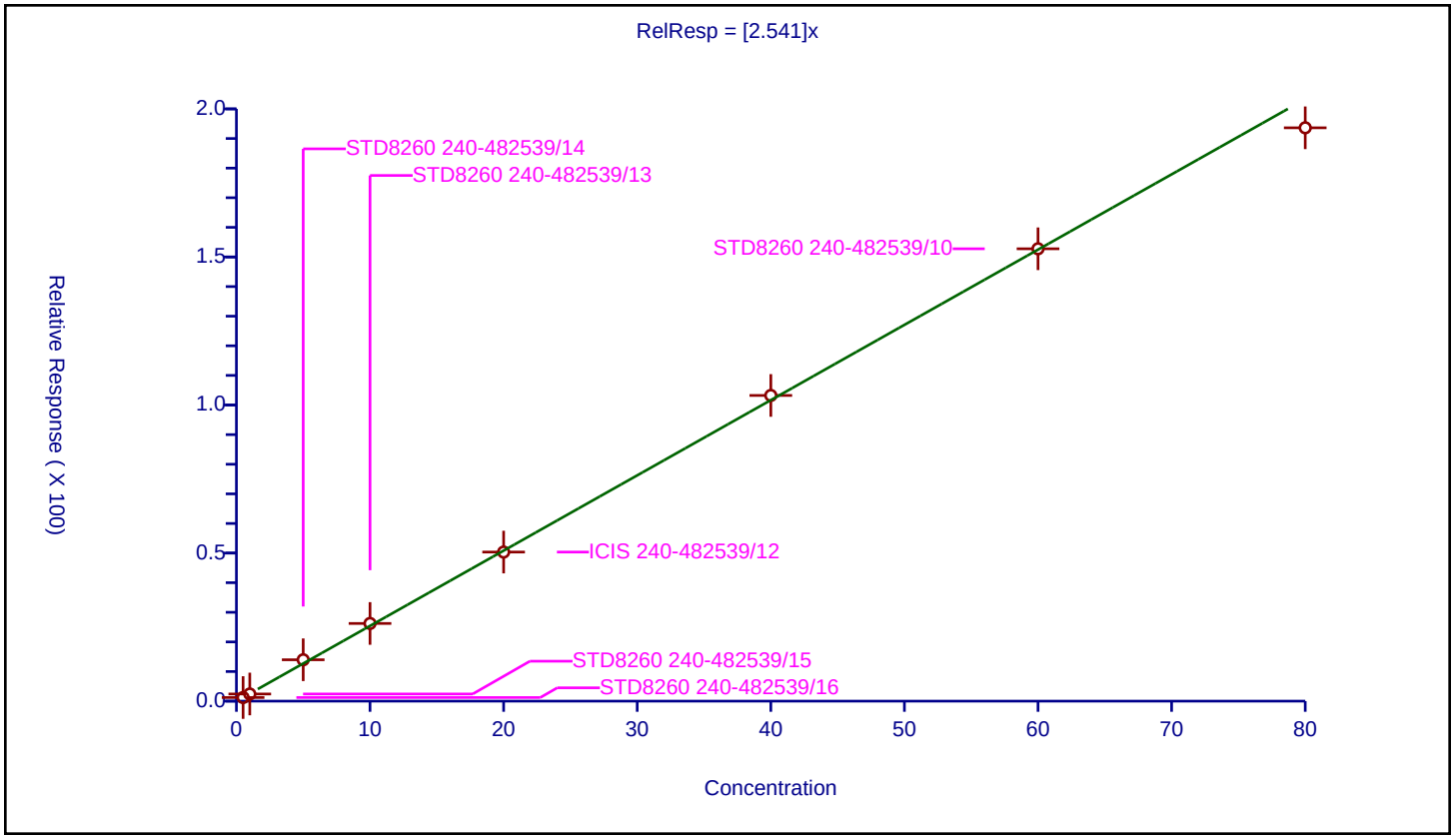
Curve Coefficients

Intercept:	0
Slope:	2.541

Error Coefficients

Standard Error:	3320000
Relative Standard Error:	5.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	1.218408	20.0	526359.0	2.436816	Y
2	STD8260 240-482539/15	1.0	2.412425	20.0	537741.0	2.412425	Y
3	STD8260 240-482539/14	5.0	13.96861	20.0	561078.0	2.793722	Y
4	STD8260 240-482539/13	10.0	26.233908	20.0	595960.0	2.623391	Y
5	ICIS 240-482539/12	20.0	50.341405	20.0	621051.0	2.51707	Y
6	STD8260 240-482539/11	40.0	103.228961	20.0	635127.0	2.580724	Y
7	STD8260 240-482539/10	60.0	152.764241	20.0	633664.0	2.546071	Y
8	STD8260 240-482539/9	80.0	193.611626	20.0	653221.0	2.420145	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

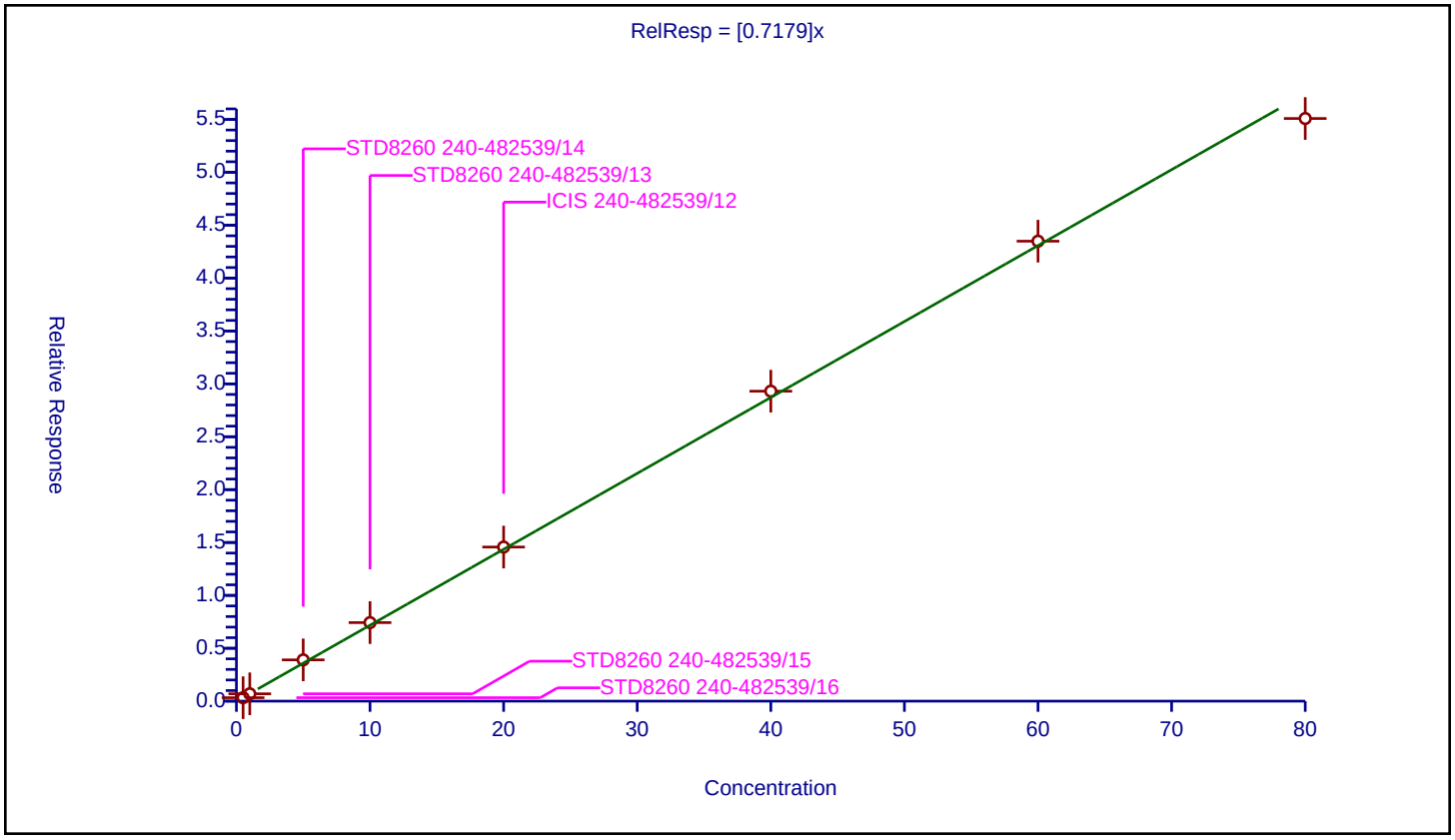
Curve Coefficients

Intercept:	0
Slope:	0.7179

Error Coefficients

Standard Error:	946000
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	STD8260 240-482539/16	0.5	0.325291	20.0	526359.0	0.650583	Y
2	STD8260 240-482539/15	1.0	0.694944	20.0	537741.0	0.694944	Y
3	STD8260 240-482539/14	5.0	3.901632	20.0	561078.0	0.780326	Y
4	STD8260 240-482539/13	10.0	7.4257	20.0	595960.0	0.74257	Y
5	ICIS 240-482539/12	20.0	14.570011	20.0	621051.0	0.728501	Y
6	STD8260 240-482539/11	40.0	29.307398	20.0	635127.0	0.732685	Y
7	STD8260 240-482539/10	60.0	43.490399	20.0	633664.0	0.72484	Y
8	STD8260 240-482539/9	80.0	55.089839	20.0	653221.0	0.688623	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

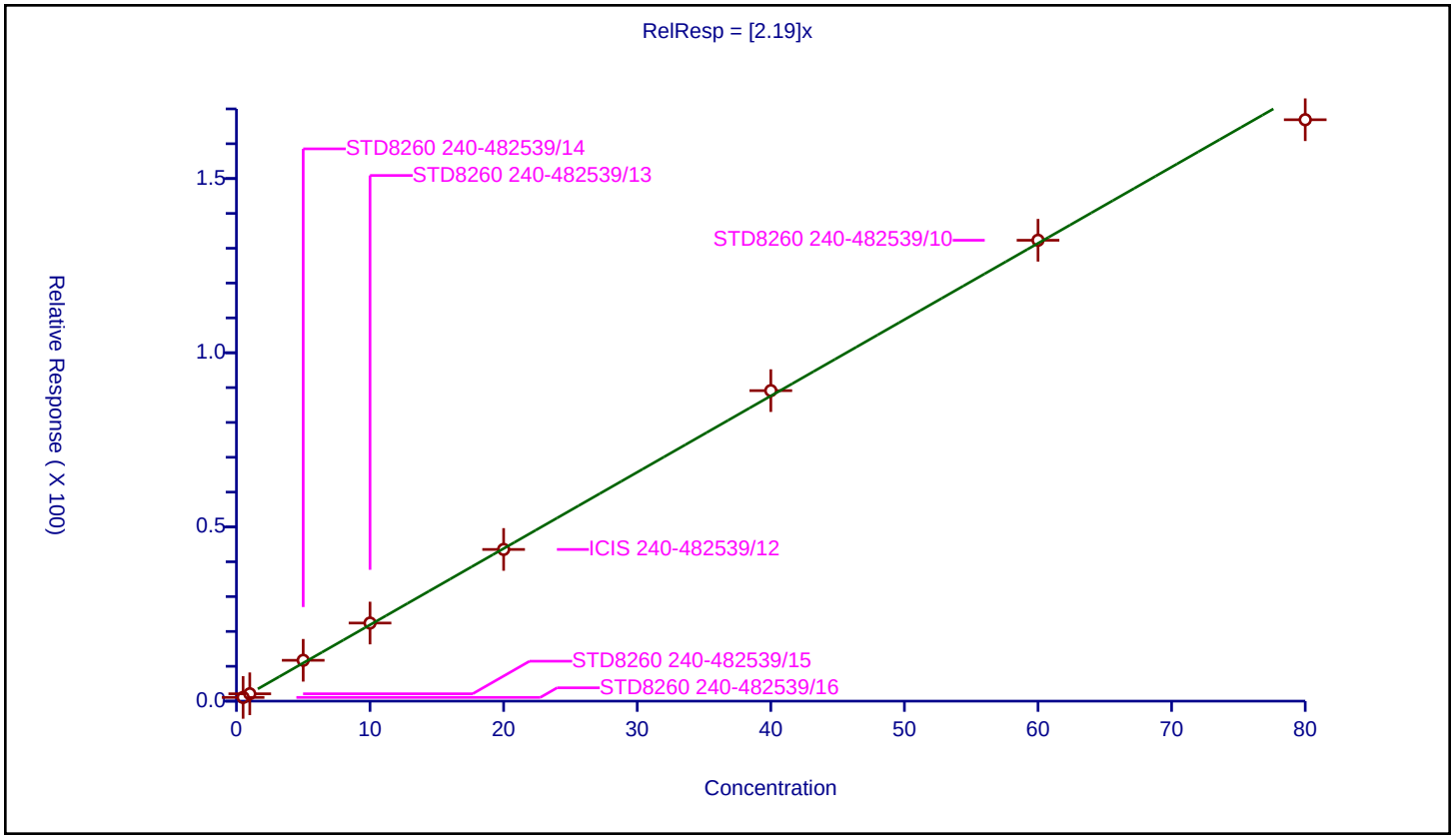
Curve Coefficients

Intercept:	0
Slope:	2.19

Error Coefficients

Standard Error:	2870000
Relative Standard Error:	3.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	1.063571	20.0	526359.0	2.127141	Y
2	STD8260 240-482539/15	1.0	2.110719	20.0	537741.0	2.110719	Y
3	STD8260 240-482539/14	5.0	11.726783	20.0	561078.0	2.345357	Y
4	STD8260 240-482539/13	10.0	22.421706	20.0	595960.0	2.242171	Y
5	ICIS 240-482539/12	20.0	43.542994	20.0	621051.0	2.17715	Y
6	STD8260 240-482539/11	40.0	89.126458	20.0	635127.0	2.228161	Y
7	STD8260 240-482539/10	60.0	132.297243	20.0	633664.0	2.204954	Y
8	STD8260 240-482539/9	80.0	166.886031	20.0	653221.0	2.086075	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

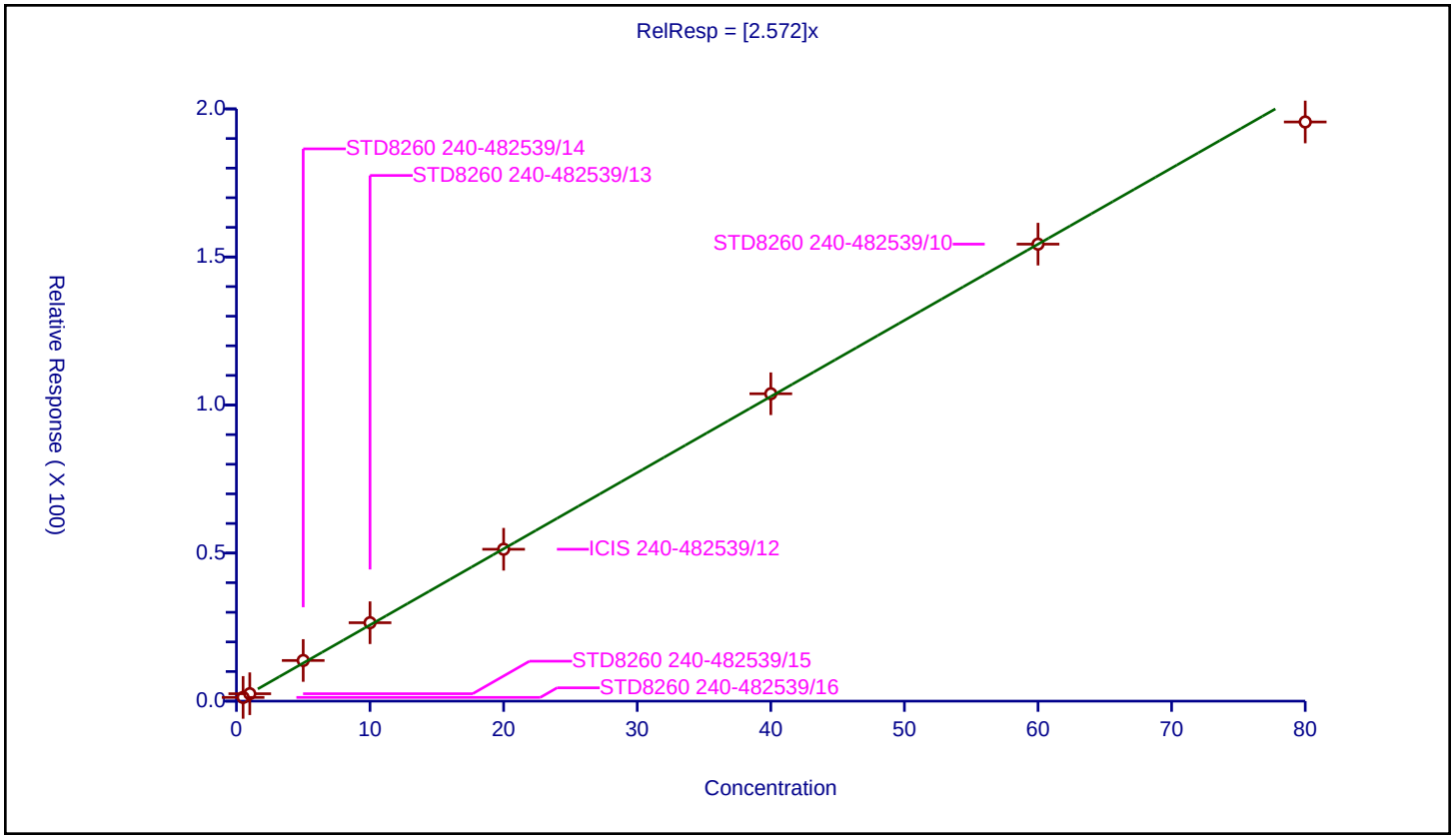
Curve Coefficients

Intercept:	0
Slope:	2.572

Error Coefficients

Standard Error:	3360000
Relative Standard Error:	3.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	1.250439	20.0	526359.0	2.500879	Y
2	STD8260 240-482539/15	1.0	2.501836	20.0	537741.0	2.501836	Y
3	STD8260 240-482539/14	5.0	13.733385	20.0	561078.0	2.746677	Y
4	STD8260 240-482539/13	10.0	26.482482	20.0	595960.0	2.648248	Y
5	ICIS 240-482539/12	20.0	51.292084	20.0	621051.0	2.564604	Y
6	STD8260 240-482539/11	40.0	103.804404	20.0	635127.0	2.59511	Y
7	STD8260 240-482539/10	60.0	154.330876	20.0	633664.0	2.572181	Y
8	STD8260 240-482539/9	80.0	195.583792	20.0	653221.0	2.444797	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

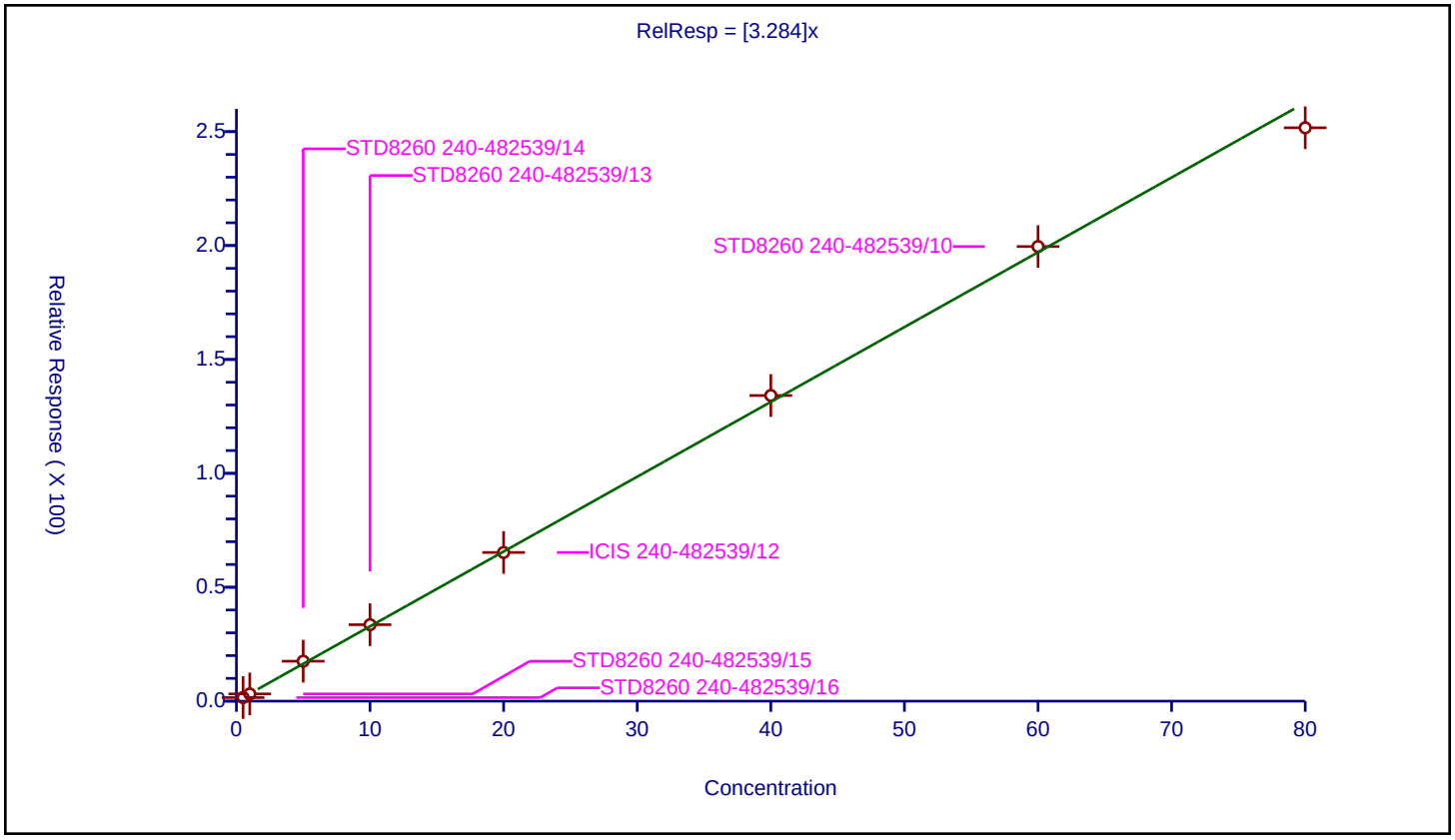
Curve Coefficients

Intercept:	0
Slope:	3.284

Error Coefficients

Standard Error:	4330000
Relative Standard Error:	3.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	1.571323	20.0	526359.0	3.142646	Y
2	STD8260 240-482539/15	1.0	3.176511	20.0	537741.0	3.176511	Y
3	STD8260 240-482539/14	5.0	17.535138	20.0	561078.0	3.507028	Y
4	STD8260 240-482539/13	10.0	33.559635	20.0	595960.0	3.355963	Y
5	ICIS 240-482539/12	20.0	65.272417	20.0	621051.0	3.263621	Y
6	STD8260 240-482539/11	40.0	134.177763	20.0	635127.0	3.354444	Y
7	STD8260 240-482539/10	60.0	199.570435	20.0	633664.0	3.326174	Y
8	STD8260 240-482539/9	80.0	251.714259	20.0	653221.0	3.146428	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

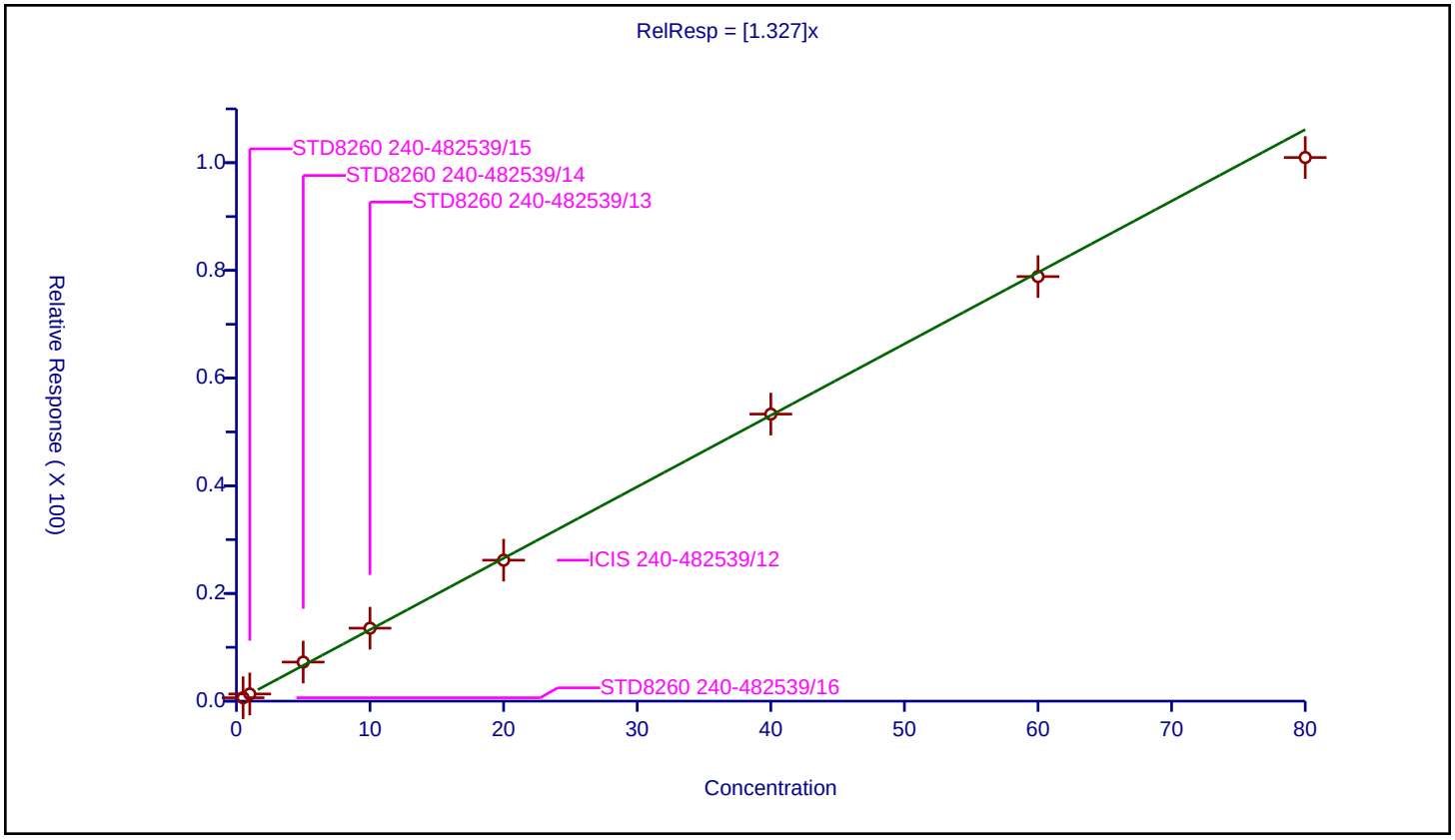
Curve Coefficients

Intercept:	0
Slope:	1.327

Error Coefficients

Standard Error:	1730000
Relative Standard Error:	4.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.629836	20.0	526359.0	1.259673	Y
2	STD8260 240-482539/15	1.0	1.331756	20.0	537741.0	1.331756	Y
3	STD8260 240-482539/14	5.0	7.254072	20.0	561078.0	1.450814	Y
4	STD8260 240-482539/13	10.0	13.550272	20.0	595960.0	1.355027	Y
5	ICIS 240-482539/12	20.0	26.181618	20.0	621051.0	1.309081	Y
6	STD8260 240-482539/11	40.0	53.312298	20.0	635127.0	1.332807	Y
7	STD8260 240-482539/10	60.0	78.855797	20.0	633664.0	1.314263	Y
8	STD8260 240-482539/9	80.0	100.966442	20.0	653221.0	1.262081	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

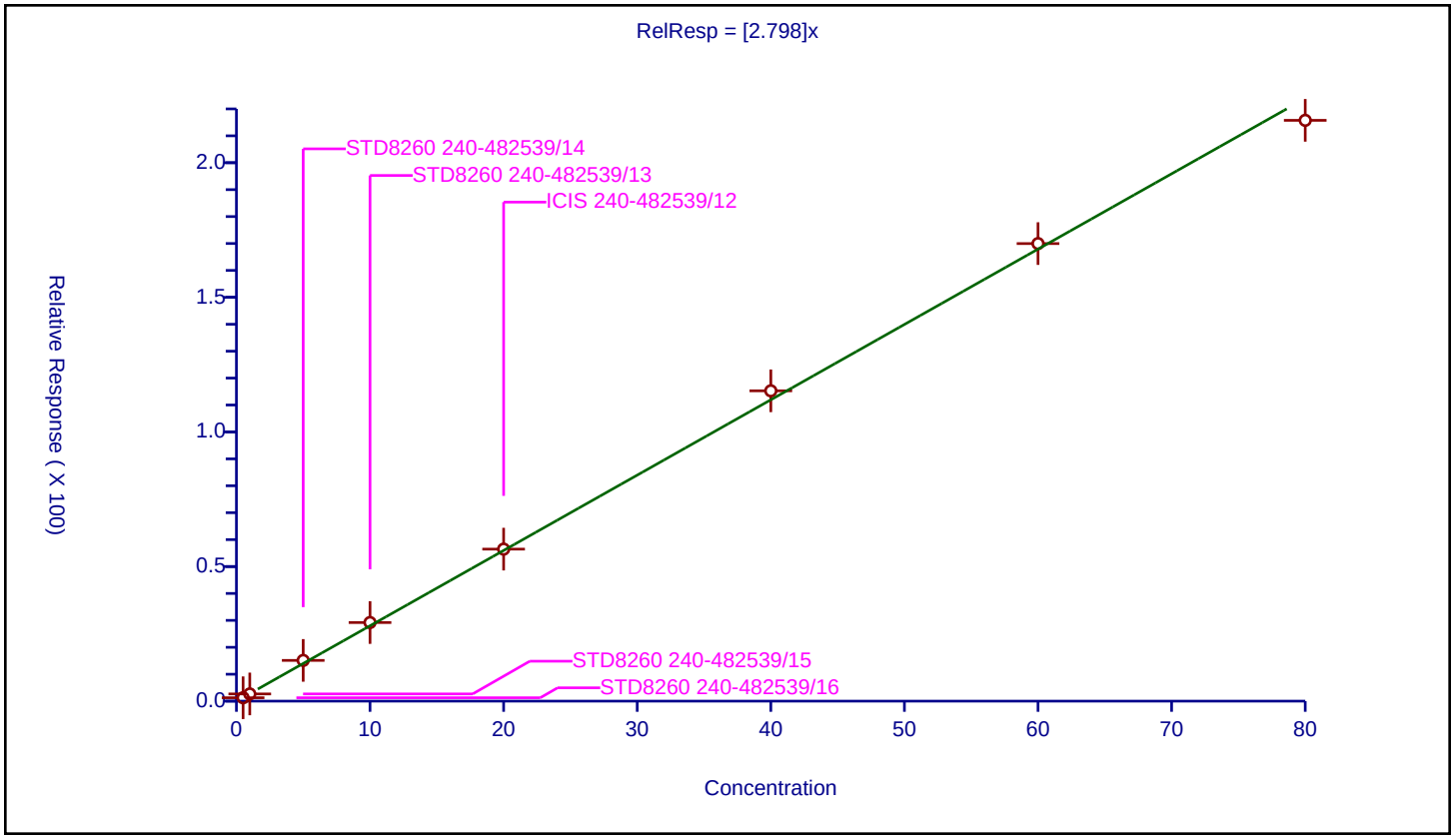
Curve Coefficients

Intercept:	0
Slope:	2.798

Error Coefficients

Standard Error:	3700000
Relative Standard Error:	5.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	1.26541	20.0	526359.0	2.53082	Y
2	STD8260 240-482539/15	1.0	2.674522	20.0	537741.0	2.674522	Y
3	STD8260 240-482539/14	5.0	15.137111	20.0	561078.0	3.027422	Y
4	STD8260 240-482539/13	10.0	29.204242	20.0	595960.0	2.920424	Y
5	ICIS 240-482539/12	20.0	56.46802	20.0	621051.0	2.823401	Y
6	STD8260 240-482539/11	40.0	115.272221	20.0	635127.0	2.881806	Y
7	STD8260 240-482539/10	60.0	169.964492	20.0	633664.0	2.832742	Y
8	STD8260 240-482539/9	80.0	215.741992	20.0	653221.0	2.696775	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

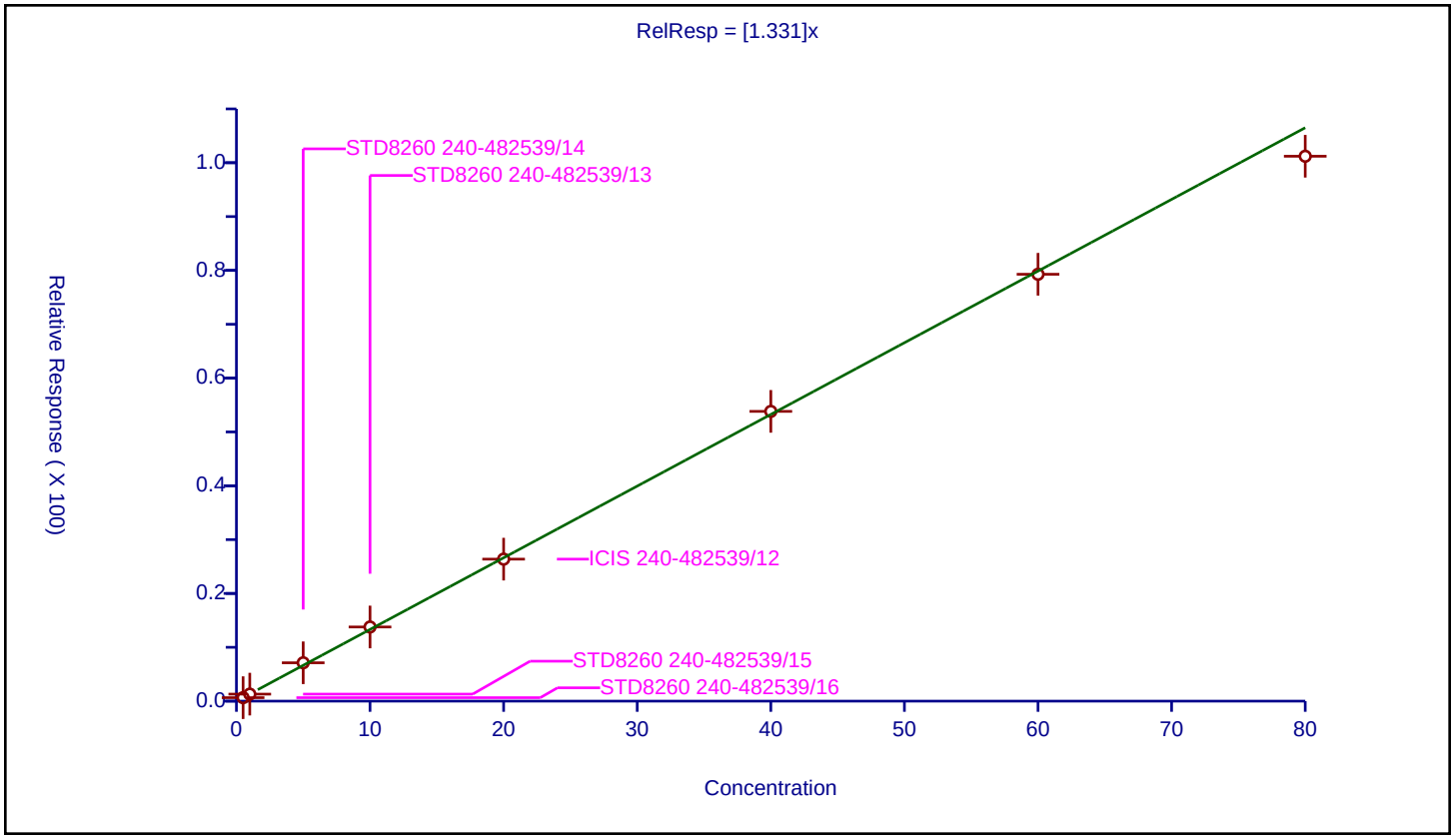
Curve Coefficients

Intercept:	0
Slope:	1.331

Error Coefficients

Standard Error:	1730000
Relative Standard Error:	3.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.645871	20.0	526359.0	1.291742	Y
2	STD8260 240-482539/15	1.0	1.305387	20.0	537741.0	1.305387	Y
3	STD8260 240-482539/14	5.0	7.125533	20.0	561078.0	1.425107	Y
4	STD8260 240-482539/13	10.0	13.774213	20.0	595960.0	1.377421	Y
5	ICIS 240-482539/12	20.0	26.372488	20.0	621051.0	1.318624	Y
6	STD8260 240-482539/11	40.0	53.818874	20.0	635127.0	1.345472	Y
7	STD8260 240-482539/10	60.0	79.286878	20.0	633664.0	1.321448	Y
8	STD8260 240-482539/9	80.0	101.206697	20.0	653221.0	1.265084	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

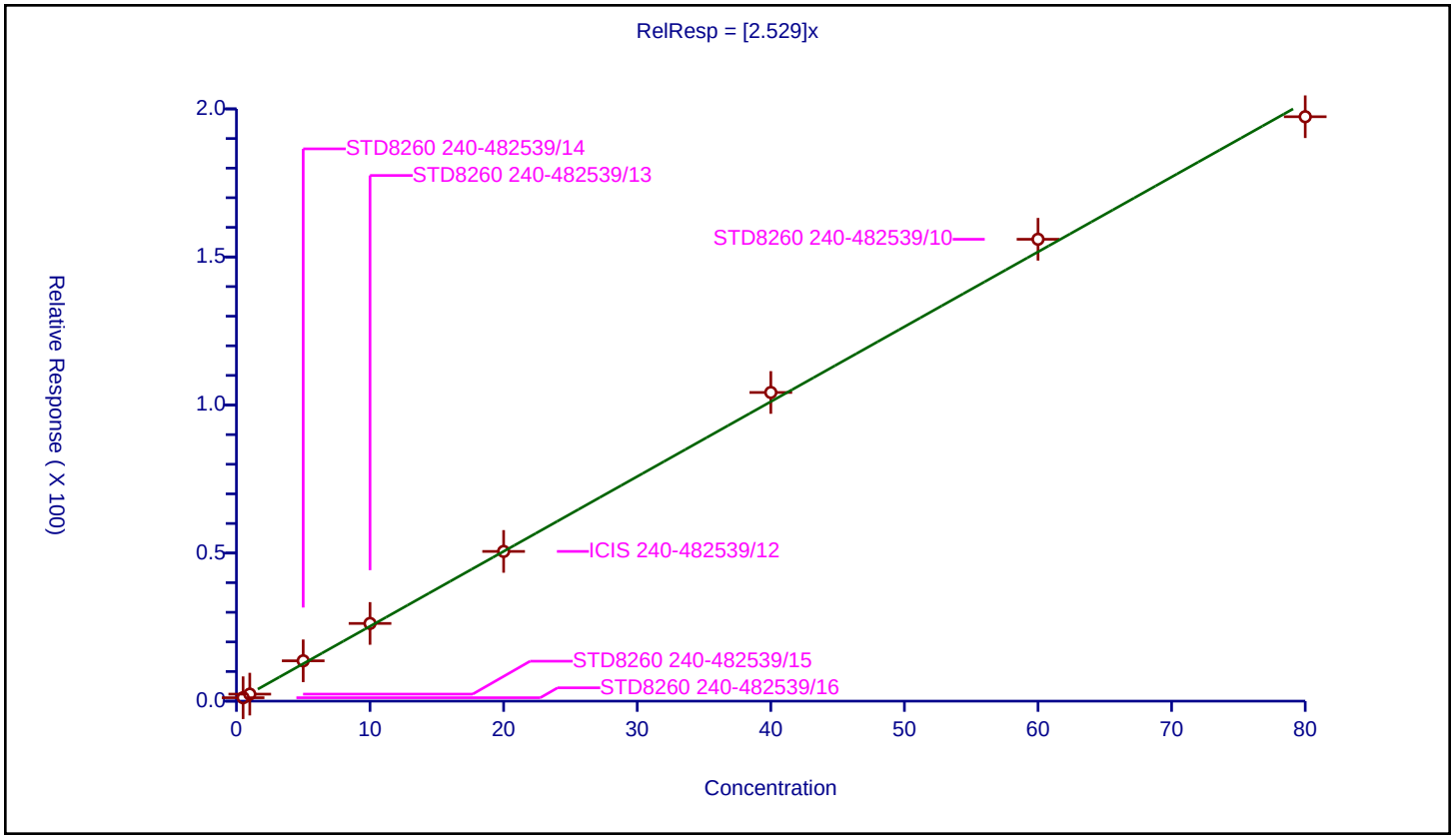
Curve Coefficients

Intercept:	0
Slope:	2.529

Error Coefficients

Standard Error:	3380000
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	STD8260 240-482539/16	0.5	1.153471	20.0	526359.0	2.306943	Y
2	STD8260 240-482539/15	1.0	2.373076	20.0	537741.0	2.373076	Y
3	STD8260 240-482539/14	5.0	13.622776	20.0	561078.0	2.724555	Y
4	STD8260 240-482539/13	10.0	26.242197	20.0	595960.0	2.62422	Y
5	ICIS 240-482539/12	20.0	50.557362	20.0	621051.0	2.527868	Y
6	STD8260 240-482539/11	40.0	104.240695	20.0	635127.0	2.606017	Y
7	STD8260 240-482539/10	60.0	155.976985	20.0	633664.0	2.599616	Y
8	STD8260 240-482539/9	80.0	197.352167	20.0	653221.0	2.466902	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

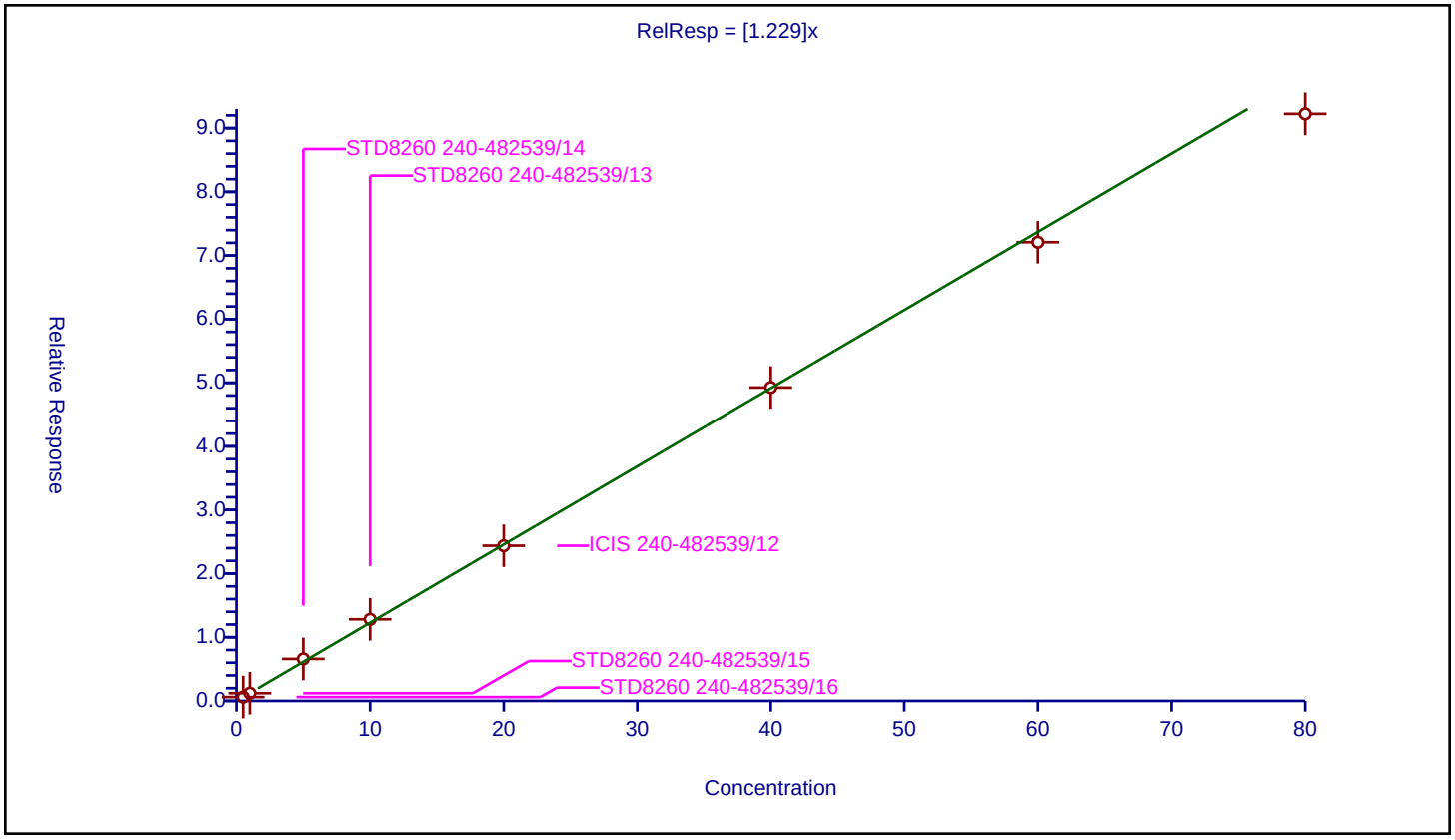
Curve Coefficients

Intercept:	0
Slope:	1.229

Error Coefficients

Standard Error:	1580000
Relative Standard Error:	4.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.60624	20.0	526359.0	1.21248	Y
2	STD8260 240-482539/15	1.0	1.210657	20.0	537741.0	1.210657	Y
3	STD8260 240-482539/14	5.0	6.598049	20.0	561078.0	1.31961	Y
4	STD8260 240-482539/13	10.0	12.81878	20.0	595960.0	1.281878	Y
5	ICIS 240-482539/12	20.0	24.379383	20.0	621051.0	1.218969	Y
6	STD8260 240-482539/11	40.0	49.257487	20.0	635127.0	1.231437	Y
7	STD8260 240-482539/10	60.0	72.099188	20.0	633664.0	1.201653	Y
8	STD8260 240-482539/9	80.0	92.23788	20.0	653221.0	1.152973	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

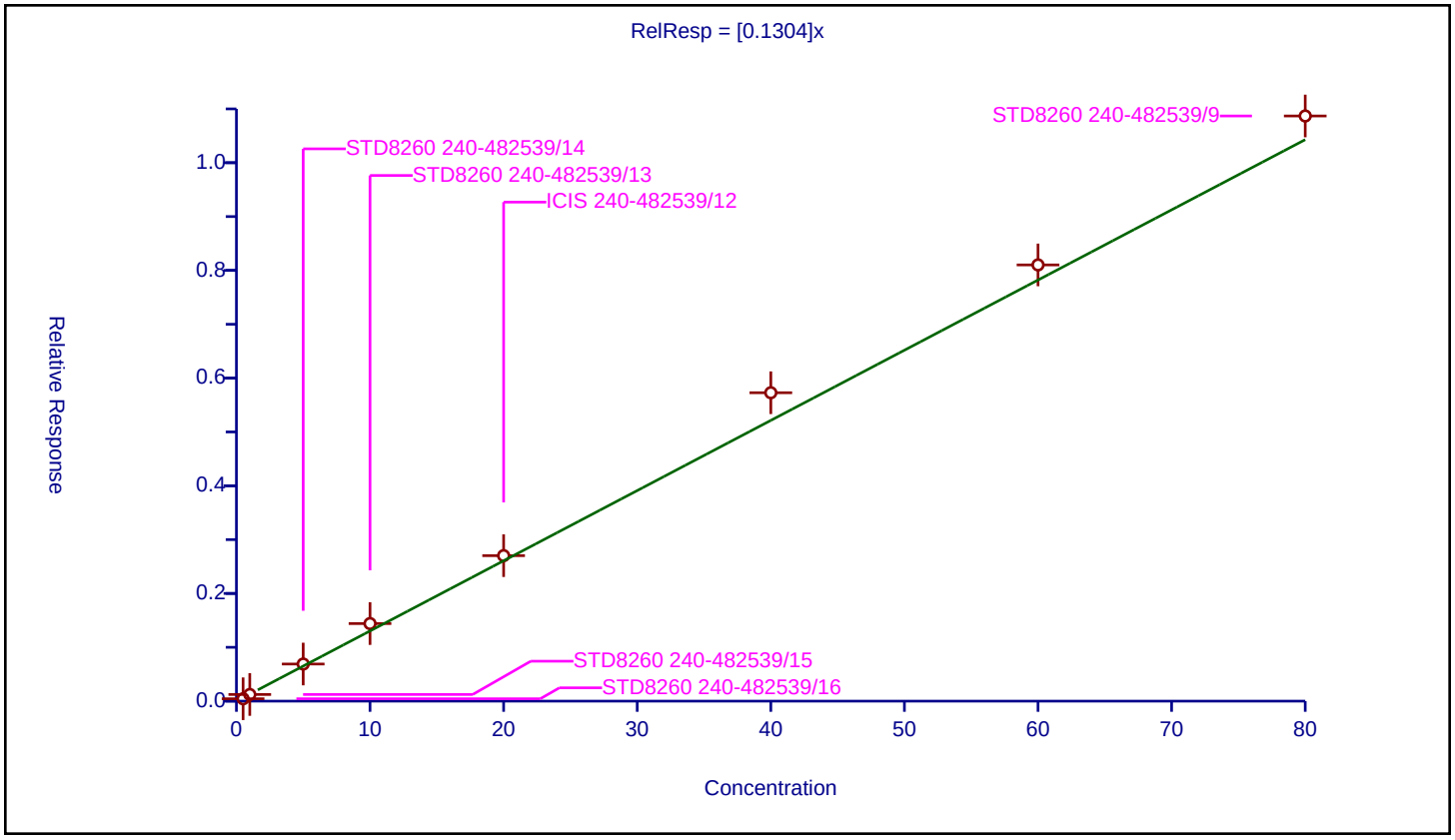
Curve Coefficients

Intercept:	0
Slope:	0.1304

Error Coefficients

Standard Error:	183000
Relative Standard Error:	13.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.044152	20.0	526359.0	0.088305	Y
2	STD8260 240-482539/15	1.0	0.123368	20.0	537741.0	0.123368	Y
3	STD8260 240-482539/14	5.0	0.689494	20.0	561078.0	0.137899	Y
4	STD8260 240-482539/13	10.0	1.440768	20.0	595960.0	0.144077	Y
5	ICIS 240-482539/12	20.0	2.702129	20.0	621051.0	0.135106	Y
6	STD8260 240-482539/11	40.0	5.728146	20.0	635127.0	0.143204	Y
7	STD8260 240-482539/10	60.0	8.10237	20.0	633664.0	0.135039	Y
8	STD8260 240-482539/9	80.0	10.868205	20.0	653221.0	0.135853	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

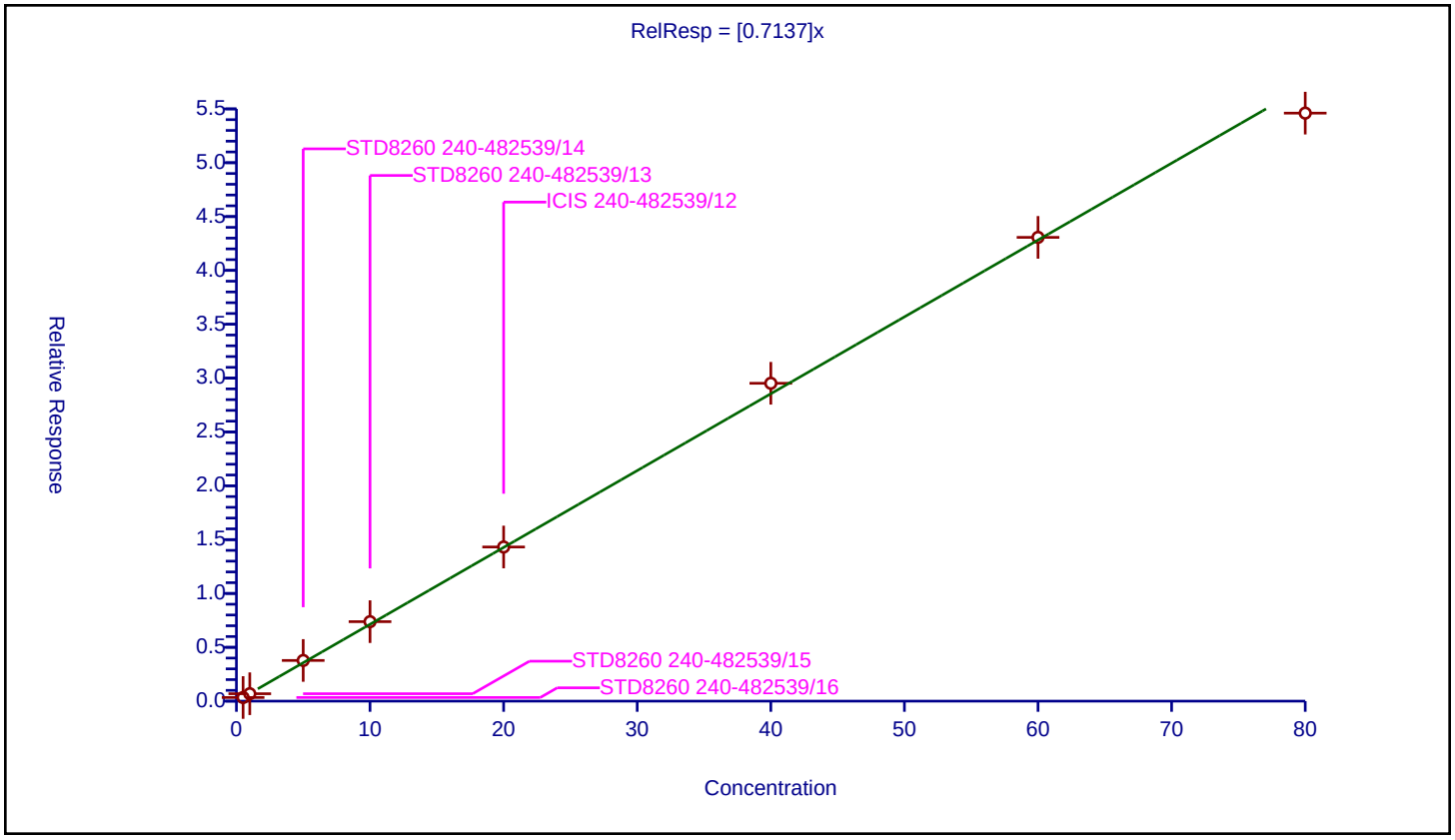
Curve Coefficients

Intercept:	0
Slope:	0.7137

Error Coefficients

Standard Error:	940000
Relative Standard Error:	4.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.336918	20.0	526359.0	0.673837	Y
2	STD8260 240-482539/15	1.0	0.687803	20.0	537741.0	0.687803	Y
3	STD8260 240-482539/14	5.0	3.778049	20.0	561078.0	0.75561	Y
4	STD8260 240-482539/13	10.0	7.38073	20.0	595960.0	0.738073	Y
5	ICIS 240-482539/12	20.0	14.3138	20.0	621051.0	0.71569	Y
6	STD8260 240-482539/11	40.0	29.519576	20.0	635127.0	0.737989	Y
7	STD8260 240-482539/10	60.0	43.069166	20.0	633664.0	0.717819	Y
8	STD8260 240-482539/9	80.0	54.606022	20.0	653221.0	0.682575	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

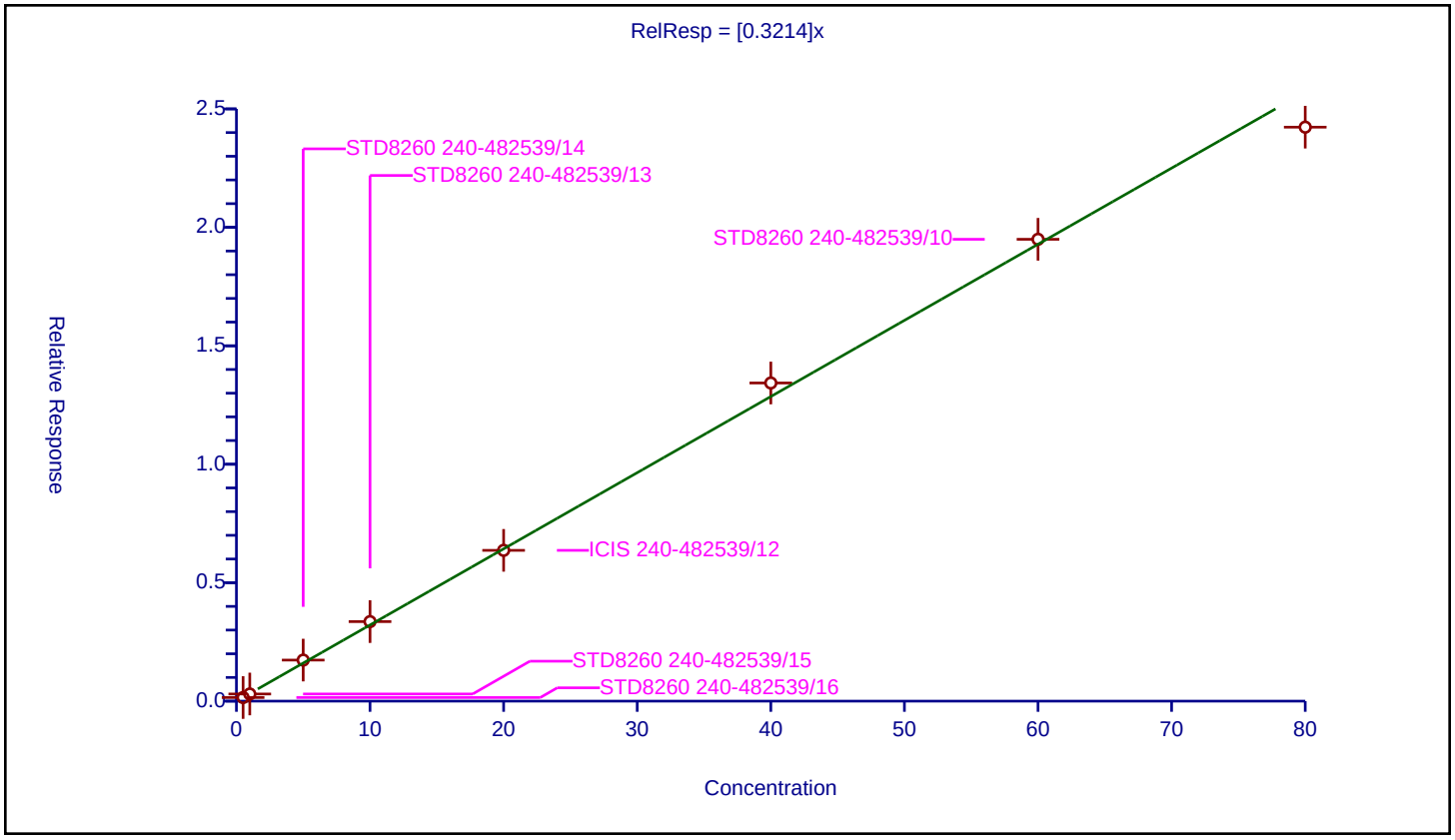
Curve Coefficients

Intercept:	0
Slope:	0.3214

Error Coefficients

Standard Error:	421000
Relative Standard Error:	5.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.152595	20.0	526359.0	0.305191	Y
2	STD8260 240-482539/15	1.0	0.302227	20.0	537741.0	0.302227	Y
3	STD8260 240-482539/14	5.0	1.732593	20.0	561078.0	0.346519	Y
4	STD8260 240-482539/13	10.0	3.357608	20.0	595960.0	0.335761	Y
5	ICIS 240-482539/12	20.0	6.365532	20.0	621051.0	0.318277	Y
6	STD8260 240-482539/11	40.0	13.430448	20.0	635127.0	0.335761	Y
7	STD8260 240-482539/10	60.0	19.49519	20.0	633664.0	0.32492	Y
8	STD8260 240-482539/9	80.0	24.228554	20.0	653221.0	0.302857	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

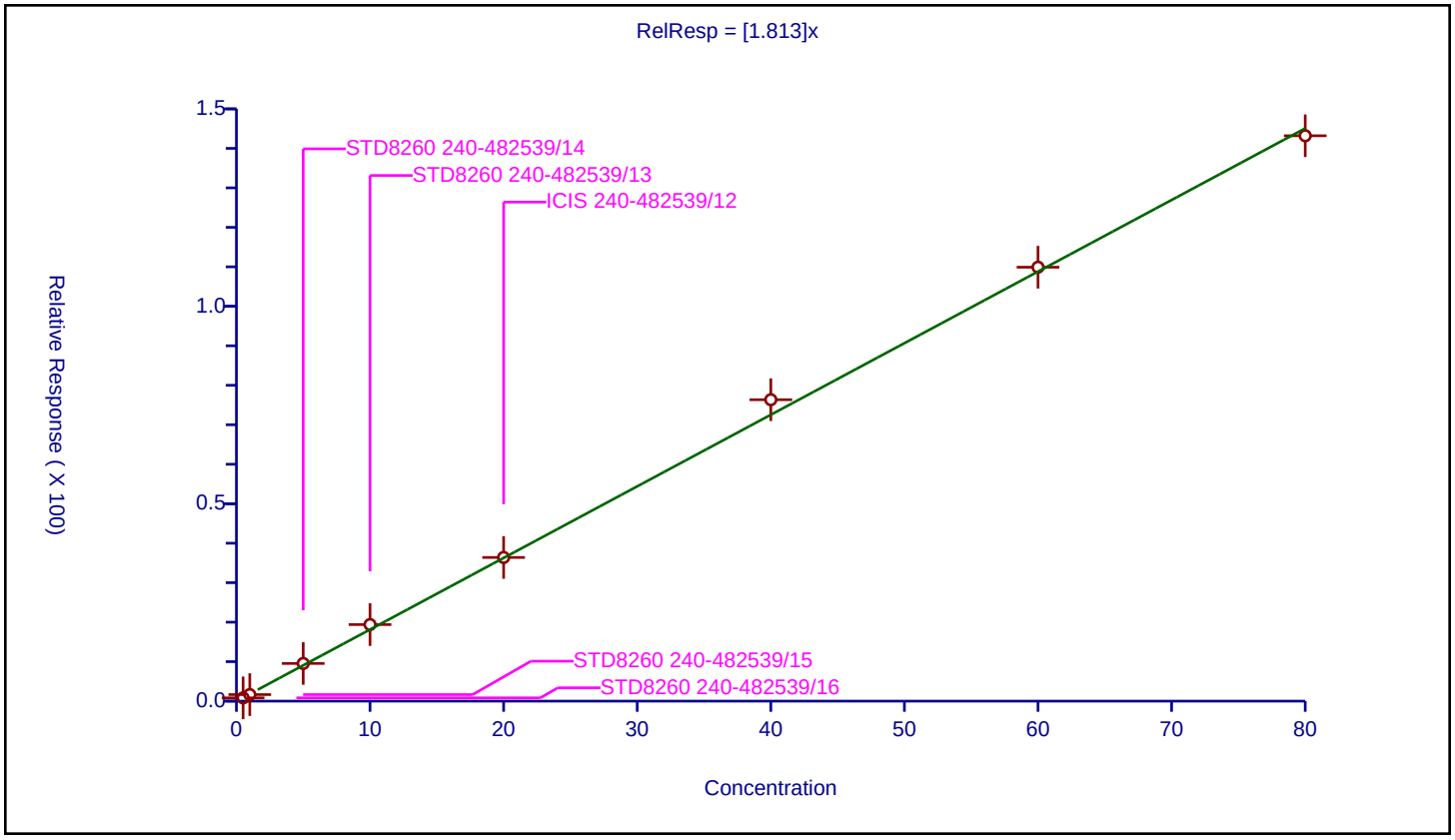
Curve Coefficients

Intercept:	0
Slope:	1.813

Error Coefficients

Standard Error:	2440000
Relative Standard Error:	6.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.826014	20.0	526359.0	1.652028	Y
2	STD8260 240-482539/15	1.0	1.657117	20.0	537741.0	1.657117	Y
3	STD8260 240-482539/14	5.0	9.53985	20.0	561078.0	1.90797	Y
4	STD8260 240-482539/13	10.0	19.391939	20.0	595960.0	1.939194	Y
5	ICIS 240-482539/12	20.0	36.38764	20.0	621051.0	1.819382	Y
6	STD8260 240-482539/11	40.0	76.346306	20.0	635127.0	1.908658	Y
7	STD8260 240-482539/10	60.0	109.904176	20.0	633664.0	1.831736	Y
8	STD8260 240-482539/9	80.0	143.195213	20.0	653221.0	1.78994	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

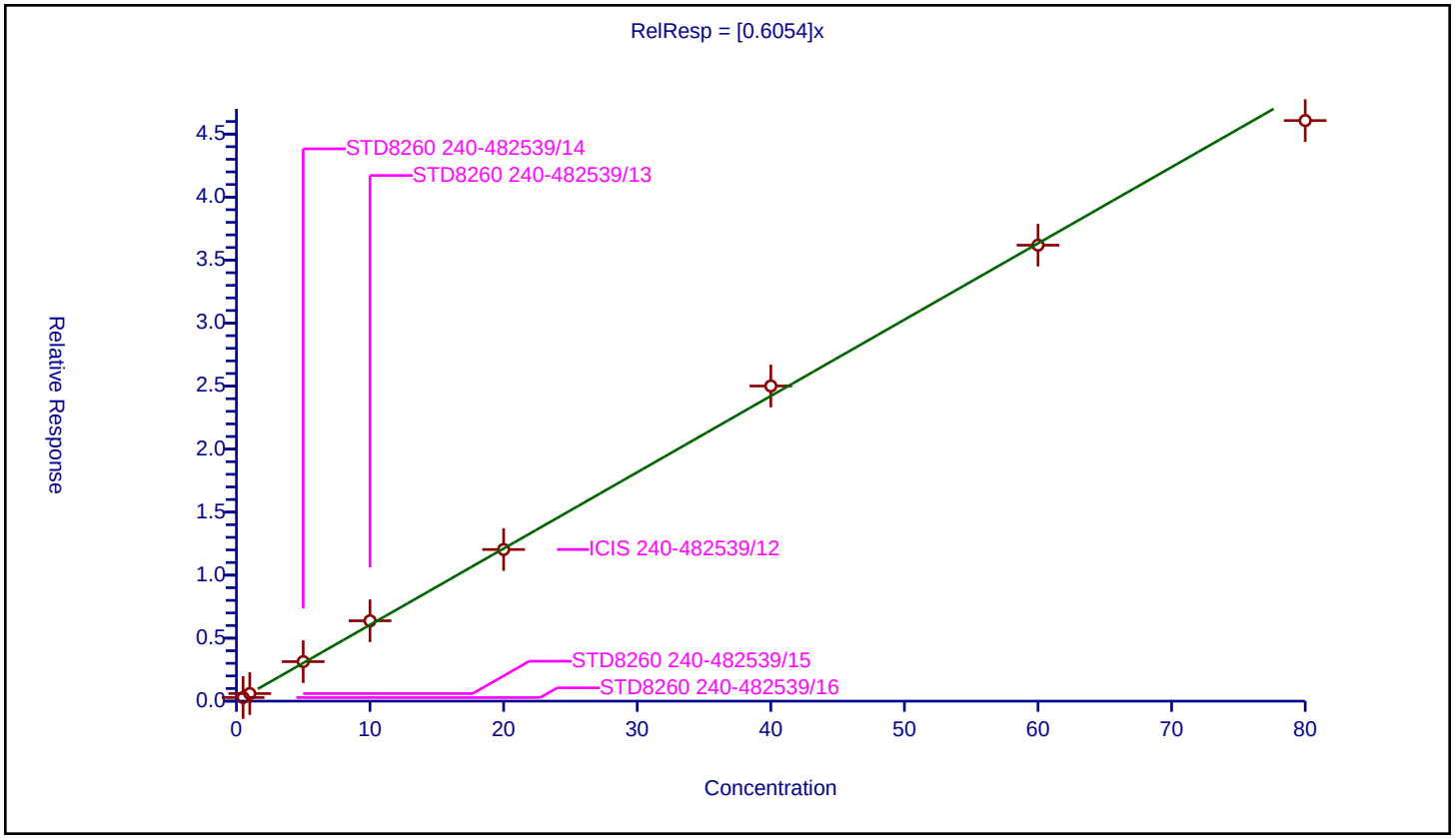
Curve Coefficients

Intercept:	0
Slope:	0.6054

Error Coefficients

Standard Error:	792000
Relative Standard Error:	3.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-482539/16	0.5	0.285889	20.0	526359.0	0.571777	Y
2	STD8260 240-482539/15	1.0	0.600475	20.0	537741.0	0.600475	Y
3	STD8260 240-482539/14	5.0	3.136284	20.0	561078.0	0.627257	Y
4	STD8260 240-482539/13	10.0	6.378482	20.0	595960.0	0.637848	Y
5	ICIS 240-482539/12	20.0	12.03505	20.0	621051.0	0.601753	Y
6	STD8260 240-482539/11	40.0	25.01062	20.0	635127.0	0.625265	Y
7	STD8260 240-482539/10	60.0	36.183466	20.0	633664.0	0.603058	Y
8	STD8260 240-482539/9	80.0	46.074361	20.0	653221.0	0.57593	Y



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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 16:29 Calibration End Date: 04/23/2021 18:30 Calibration ID: 61161

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-482539/25	UXM36575.D
Level 2	STDA9 240-482539/24	UXM36574.D
Level 3	STDA9 240-482539/23	UXM36573.D
Level 4	STDA9 240-482539/22	UXM36572.D
Level 5	STDA9 240-482539/21	UXM36571.D
Level 6	STDA9 240-482539/20	UXM36570.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetonitrile	+++++ 0.0276	0.0361	0.0334	0.0307	0.0303	Ave		0.0316				10.3		20.0			
Diisopropyl ether	0.1607 0.1883	0.1694	0.1882	0.1812	0.2021	Ave		0.1817				8.1		20.0			
2-Chloro-1,3-butadiene	0.3806 0.3581	0.3705	0.4035	0.3748	0.4039	Ave		0.3819				4.8		20.0			
Ethyl-t-butyl ether (ETBE)	0.5383 0.6509	0.5850	0.6143	0.5919	0.6640	Ave		0.6074				7.6		20.0			
Ethyl acetate	0.1451 0.1762	0.2028	0.1564	0.1607	0.1723	Ave		0.1689				11.9		20.0			
Propionitrile	0.0371 0.0314	0.0390	0.0357	0.0332	0.0327	Ave		0.0348				8.3		20.0			
Methacrylonitrile	0.1123 0.1338	0.1252	0.1210	0.1210	0.1283	Ave		0.1236				6.0		20.0			
Isooctane	0.8327 0.7002	0.8640	0.8265	0.7346	0.7951	Ave		0.7922				7.9		20.0			
Tert-amyl-methyl ether (TAME)	0.5310 0.6311	0.5519	0.5742	0.5553	0.6217	Ave		0.5775				7.0		20.0			
n-Butanol	0.0042 0.0057	0.0052	0.0047	0.0049	0.0049	Ave		0.0049				10.2		20.0			
Ethyl acrylate	0.2699 0.2483	0.3015	0.2287	0.2237	0.2366	Ave		0.2515				11.7		20.0			
Methyl methacrylate	0.1888 0.1727	0.1918	0.1675	0.1562	0.1691	Ave		0.1743				7.8		20.0			
2-Nitropropane	+++++ 0.0660	0.1151	0.0689	0.0672	0.0673	Lin1	0.0967	0.0654				1.9			1.0000		0.9900
n-Butyl acetate	+++++ 0.2715	0.3223	0.2992	0.2791	0.2787	Ave		0.2902				7.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 16:29 Calibration End Date: 04/23/2021 18:30 Calibration ID: 61161

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1-Chlorohexane	0.5947 0.4880	0.5337	0.5296	0.4894	0.5463	Ave		0.5303				7.5		20.0			
Cyclohexanone	0.0413 0.0194	0.0294	0.0170	0.0161	0.0187	Lin1	0.0994	0.0184				13.5			0.9940		0.9900
Pentachloroethane	0.0786 0.1343	0.1234	0.1012	0.0916	0.1249	Ave		0.1090				20.0		20.0			
1,2,3-Trimethylbenzene	2.5693 2.5949	2.5413	2.5936	2.4854	2.8197	Ave		2.6007				4.4		20.0			
Benzyl chloride	0.2381 0.3052	0.2654	0.2665	0.2548	0.3051	Ave		0.2725				10.0		20.0			
1,3,5-Trichlorobenzene	0.8932 0.9256	0.9009	0.9177	0.8818	1.0141	Ave		0.9222				5.2		20.0			
2-Methylnaphthalene	0.6888 0.8186	0.7584	0.6909	0.7136	0.7883	Ave		0.7431				7.3		20.0			
1-Methylnaphthalene	0.5434 0.6964	0.6120	0.5695	0.5946	0.6642	Ave		0.6134				9.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 16:29 Calibration End Date: 04/23/2021 18:30 Calibration ID: 61161

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-482539/25	UXM36575.D
Level 2	STDA9 240-482539/24	UXM36574.D
Level 3	STDA9 240-482539/23	UXM36573.D
Level 4	STDA9 240-482539/22	UXM36572.D
Level 5	STDA9 240-482539/21	UXM36571.D
Level 6	STDA9 240-482539/20	UXM36570.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Acetonitrile	FB	Ave	+++++ 1748658	19635	198462	389761	846391	+++++ 800	10.0	100	200	400
Diisopropyl ether	FB	Ave	4327 1193266	9217	111673	230108	564269	0.500 80.0	1.00	10.0	20.0	40.0
2-Chloro-1,3-butadiene	FB	Ave	10249 2269137	20153	239490	475883	1127455	0.500 80.0	1.00	10.0	20.0	40.0
Ethyl-t-butyl ether (ETBE)	FB	Ave	14494 4124144	31824	364610	751515	1853657	0.500 80.0	1.00	10.0	20.0	40.0
Ethyl acetate	FB	Ave	7812 2233061	22067	185634	408040	962255	1.00 160	2.00	20.0	40.0	80.0
Propionitrile	FB	Ave	9991 1988475	21201	211780	420976	913557	5.00 800	10.0	100	200	400
Methacrylonitrile	FB	Ave	30231 8478148	68094	718408	1536452	3582708	5.00 800	10.0	100	200	400
Isooctane	FB	Ave	22423 4436290	46997	490497	932793	2219553	0.500 80.0	1.00	10.0	20.0	40.0
Tert-amyl-methyl ether (TAME)	FB	Ave	14298 3998423	30022	340780	705080	1735614	0.500 80.0	1.00	10.0	20.0	40.0
n-Butanol	FB	Ave	2824 903607	7027	69003	156294	345423	12.5 2000	25.0	250	500	1000
Ethyl acrylate	FB	Ave	7267 1573460	16400	135742	284039	660573	0.500 80.0	1.00	10.0	20.0	40.0
Methyl methacrylate	FB	Ave	10166 2188122	20870	198850	396564	944139	1.00 160	2.00	20.0	40.0	80.0
2-Nitropropane	FB	Lin1	+++++ 836046	12520	81820	170553	376025	+++++ 160	2.00	20.0	40.0	80.0
n-Butyl acetate	FB	Ave	+++++	17532	177583	354416	777950	+++++	1.00	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.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 16:29 Calibration End Date: 04/23/2021 18:30 Calibration ID: 61161

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
			1719938					80.0				
1-Chlorohexane	CBNZ d5	Ave	14045 2246709	25253	256700	489556	1138099	0.500 80.0	1.00	10.0	20.0	40.0
Cyclohexanone	DCBd 4	Lin1	5542 461518	7650	45586	87605	200642	5.00 800	10.0	100	200	400
Pentachloroethane	CBNZ d5	Ave	3712 1236757	11677	98105	183295	520223	1.00 160	2.00	20.0	40.0	80.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	34447 6157878	66139	693474	1350473	3032742	0.500 80.0	1.00	10.0	20.0	40.0
Benzyl chloride	DCBd 4	Ave	3192 724297	6907	71266	138435	328177	0.500 80.0	1.00	10.0	20.0	40.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	11975 2196600	23445	245368	479162	1090709	0.500 80.0	1.00	10.0	20.0	40.0
2-Methylnaphthalene	DCBd 4	Ave	18469 3885388	39475	369455	775436	1695769	1.00 160	2.00	20.0	40.0	80.0
1-Methylnaphthalene	DCBd 4	Ave	14571 3305354	31855	304533	646167	1428852	1.00 160	2.00	20.0	40.0	80.0

Curve Type Legend
Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 482539

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/23/2021 16:29 Calibration End Date: 04/23/2021 18:30 Calibration ID: 61161

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-482539/25	UXM36575.D
Level 2	STDA9 240-482539/24	UXM36574.D
Level 3	STDA9 240-482539/23	UXM36573.D
Level 4	STDA9 240-482539/22	UXM36572.D
Level 5	STDA9 240-482539/21	UXM36571.D
Level 6	STDA9 240-482539/20	UXM36570.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
2-Nitropropane	+++++	2.0						50				
Cyclohexanone	16.7						50					

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36570.D
Lims ID: stdA9 L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 23-Apr-2021 16:29:30 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0108510-020
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub78

Method: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Apr-2021 08:34:42 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: bosworthh Date: 26-Apr-2021 08:01:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.846	5.845	0.001	99	1584023	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	1151063	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	98	593262	20.0	20.0	
25 Acetonitrile	41	3.545	3.545	0.000	99	1748658	800.0	698.0	
36 Isopropyl ether	87	4.363	4.363	0.000	93	1193266	80.0	82.9	
37 2-Chloro-1,3-butadiene	53	4.411	4.411	0.000	92	2269137	80.0	75.0	
38 Tert-butyl ethyl ether	59	4.683	4.683	0.000	97	4124144	80.0	85.7	
43 Ethyl acetate	43	4.849	4.849	0.000	99	2233061	160.0	166.9	
42 Propionitrile	54	4.885	4.885	0.000	99	1988475	800.0	720.7	
44 Methacrylonitrile	41	5.015	5.016	-0.001	93	8478148	800.0	866.0	
163 Isooctane	57	5.680	5.680	0.000	97	4436290	80.0	70.7	
55 Tert-amyl methyl ether	73	5.680	5.680	0.000	98	3998423	80.0	87.4	
57 n-Butanol	56	6.035	6.035	0.000	86	903607	2000.0	2313.4	
59 Ethyl acrylate	55	6.201	6.201	0.000	99	1573460	80.0	79.0	
62 Methyl methacrylate	41	6.403	6.403	0.000	89	2188122	160.0	158.5	
66 2-Nitropropane	41	6.794	6.794	0.000	97	836046	160.0	159.9	
77 n-Butyl acetate	43	7.944	7.945	-0.001	96	1719938	80.0	74.8	
81 1-Chlorohexane	91	8.549	8.549	0.000	98	2246709	80.0	73.6	
91 Cyclohexanone	55	9.617	9.617	0.000	92	461518	800.0	840.8	
103 Pentachloroethane	167	10.447	10.447	0.000	96	1236757	160.0	197.2	
109 1,2,3-Trimethylbenzene	105	10.874	10.874	0.000	98	6157878	80.0	79.8	
110 Benzyl chloride	126	10.968	10.968	0.000	99	724297	80.0	89.6	
114 1,3,5-Trichlorobenzene	180	12.190	12.190	0.000	98	2196600	80.0	80.3	
119 2-Methylnaphthalene	142	14.538	14.538	0.000	93	3885388	160.0	176.3	
162 1-Methylnaphthalene	142	14.811	14.811	0.000	0	3305354	160.0	181.7	

QC Flag Legend
Processing Flags

Reagents:

vmra9w_00388	Amount Added:	64.00	Units: uL
vm50is_stk_a_00008	Amount Added:	2.00	Units: uL

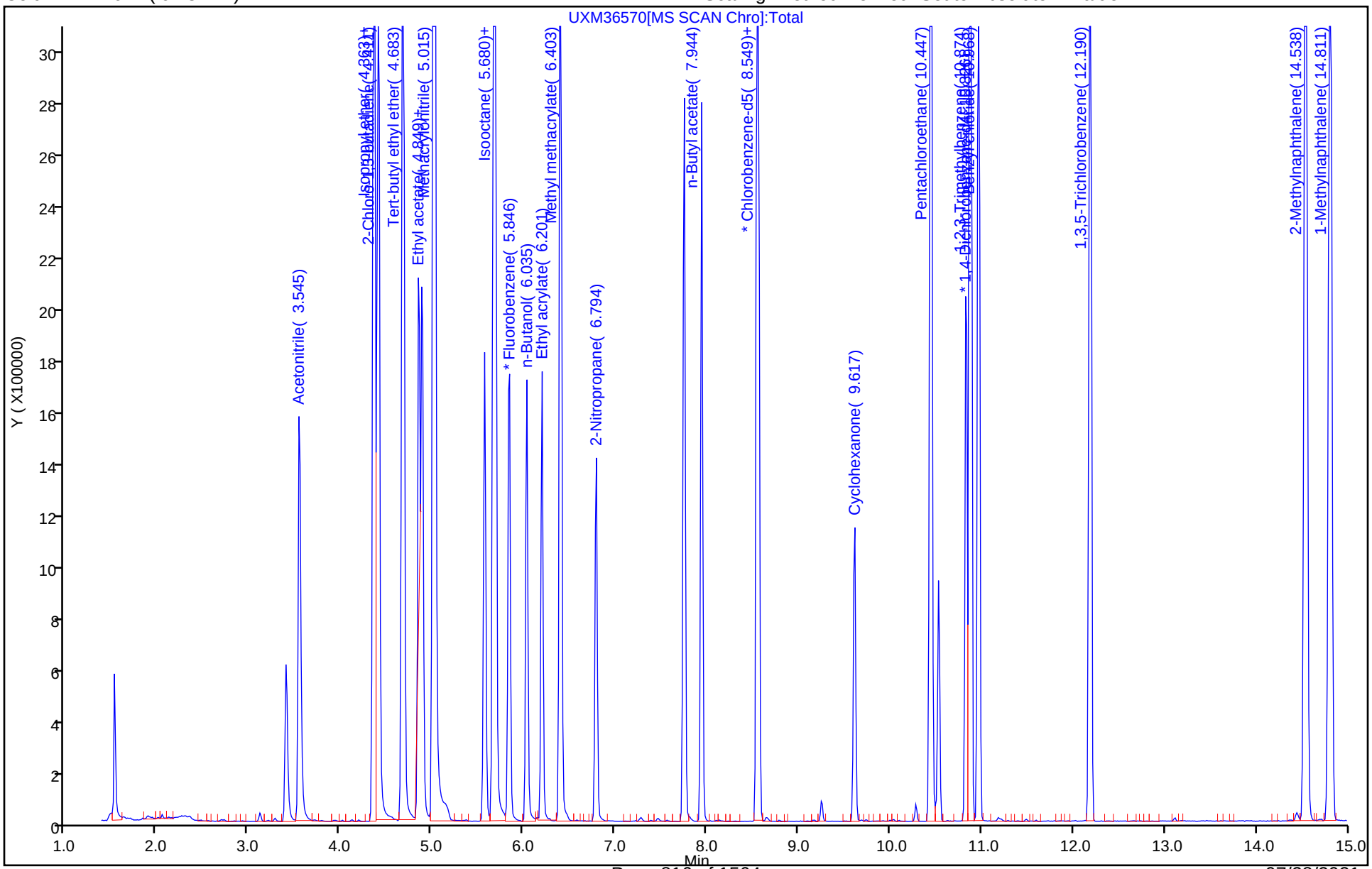
Report Date: 26-Apr-2021 08:34:43 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36570.D

Injection Date:	23-Apr-2021 16:29:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	stdA9 L6			Worklist Smp#:	20
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36571.D
Lims ID: stdA9 L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 23-Apr-2021 16:53:30 ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0108510-021
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub78

Method: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Apr-2021 08:34:44 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: bosworthh Date: 26-Apr-2021 08:01:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.846	5.846	0.000	99	1395855	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	86	1041684	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	95	537769	20.0	20.0	
25 Acetonitrile	41	3.545	3.545	0.000	99	846391	400.0	383.4	
36 Isopropyl ether	87	4.363	4.363	0.000	93	564269	40.0	44.5	
37 2-Chloro-1,3-butadiene	53	4.411	4.411	0.000	92	1127455	40.0	42.3	
38 Tert-butyl ethyl ether	59	4.683	4.683	0.000	97	1853657	40.0	43.7	
43 Ethyl acetate	43	4.849	4.849	0.000	99	962255	80.0	81.6	
42 Propionitrile	54	4.885	4.885	0.000	99	913557	400.0	375.7	
44 Methacrylonitrile	41	5.016	5.016	0.000	93	3582708	400.0	415.3	
163 Isooctane	57	5.680	5.680	0.000	97	2219553	40.0	40.1	
55 Tert-amyl methyl ether	73	5.680	5.680	0.000	96	1735614	40.0	43.1	
57 n-Butanol	56	6.035	6.035	0.000	85	345423	1000.0	1003.6	
59 Ethyl acrylate	55	6.201	6.201	0.000	99	660573	40.0	37.6	
62 Methyl methacrylate	41	6.403	6.403	0.000	90	944139	80.0	77.6	
66 2-Nitropropane	41	6.794	6.794	0.000	98	376025	80.0	80.9	
77 n-Butyl acetate	43	7.945	7.945	0.000	97	777950	40.0	38.4	
81 1-Chlorohexane	91	8.549	8.549	0.000	98	1138099	40.0	41.2	
91 Cyclohexanone	55	9.617	9.617	0.000	92	200642	400.0	400.5	
103 Pentachloroethane	167	10.447	10.447	0.000	96	520223	80.0	91.6	
109 1,2,3-Trimethylbenzene	105	10.874	10.874	0.000	98	3032742	40.0	43.4	
110 Benzyl chloride	126	10.968	10.968	0.000	99	328177	40.0	44.8	
114 1,3,5-Trichlorobenzene	180	12.190	12.190	0.000	98	1090709	40.0	44.0	
119 2-Methylnaphthalene	142	14.538	14.538	0.000	93	1695769	80.0	84.9	
162 1-Methylnaphthalene	142	14.811	14.811	0.000	0	1428852	80.0	86.6	

QC Flag Legend
Processing Flags

Reagents:

vmra9w_00388	Amount Added:	32.00	Units: uL
vm50is_stk_a_00008	Amount Added:	2.00	Units: uL

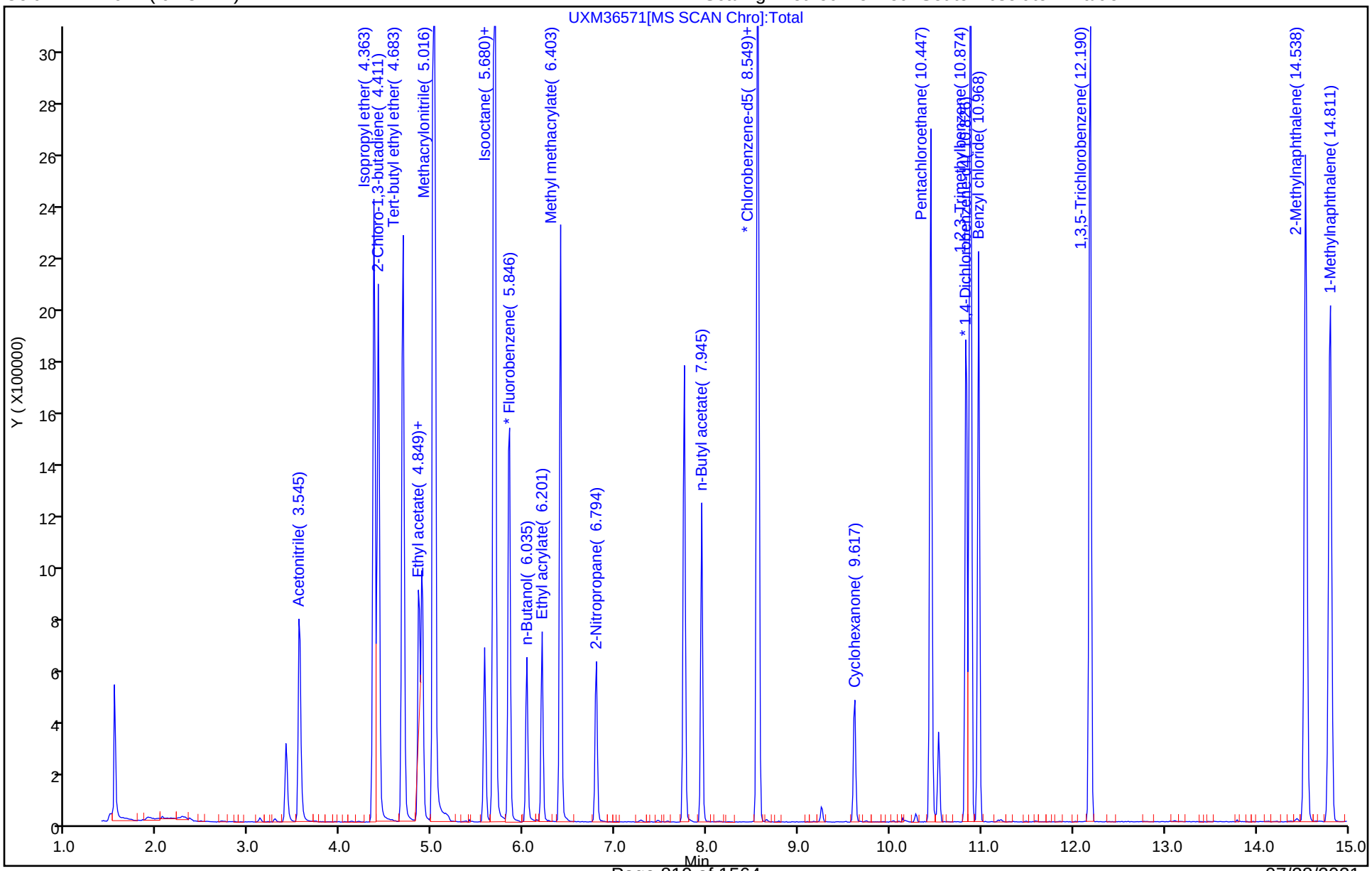
Report Date: 26-Apr-2021 08:34:45 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36571.D

Injection Date:	23-Apr-2021 16:53:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	stdA9 L5			Worklist Smp#:	21
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36572.D
Lims ID: stdA9 L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 23-Apr-2021 17:17:30 ALS Bottle#: 22 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0108510-022
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub78

Method: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Apr-2021 08:34:47 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: bosworthh Date: 26-Apr-2021 08:02:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.846	5.846	0.000	99	1269739	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	87	1000281	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	95	543363	20.0	20.0	
25 Acetonitrile	41	3.545	3.545	0.000	99	389761	200.0	194.1	
36 Isopropyl ether	87	4.363	4.363	0.000	93	230108	20.0	20.0	
37 2-Chloro-1,3-butadiene	53	4.411	4.411	0.000	92	475883	20.0	19.6	
38 Tert-butyl ethyl ether	59	4.683	4.683	0.000	97	751515	20.0	19.5	
43 Ethyl acetate	43	4.849	4.849	0.000	99	408040	40.0	38.0	
42 Propionitrile	54	4.885	4.885	0.000	99	420976	200.0	190.3	
44 Methacrylonitrile	41	5.016	5.016	0.000	93	1536452	200.0	195.8	
163 Isooctane	57	5.680	5.680	0.000	97	932793	20.0	18.5	
55 Tert-amyl methyl ether	73	5.680	5.680	0.000	96	705080	20.0	19.2	
57 n-Butanol	56	6.035	6.035	0.000	86	156294	500.0	499.2	
59 Ethyl acrylate	55	6.201	6.201	0.000	99	284039	20.0	17.8	
62 Methyl methacrylate	41	6.403	6.403	0.000	91	396564	40.0	35.8	
66 2-Nitropropane	41	6.794	6.794	0.000	98	170553	40.0	39.6	
77 n-Butyl acetate	43	7.945	7.945	0.000	96	354416	20.0	19.2	
81 1-Chlorohexane	91	8.549	8.549	0.000	98	489556	20.0	18.5	
91 Cyclohexanone	55	9.617	9.617	0.000	92	87605	200.0	170.0	
103 Pentachloroethane	167	10.447	10.447	0.000	96	183295	40.0	33.6	
109 1,2,3-Trimethylbenzene	105	10.874	10.874	0.000	98	1350473	20.0	19.1	
110 Benzyl chloride	126	10.968	10.968	0.000	99	138435	20.0	18.7	
114 1,3,5-Trichlorobenzene	180	12.190	12.190	0.000	97	479162	20.0	19.1	
119 2-Methylnaphthalene	142	14.538	14.538	0.000	93	775436	40.0	38.4	
162 1-Methylnaphthalene	142	14.811	14.811	0.000	0	646167	40.0	38.8	

QC Flag Legend

Processing Flags

Reagents:

vmra9w_00388	Amount Added:	16.00	Units: uL
vm50is_stk_a_00008	Amount Added:	2.00	Units: uL

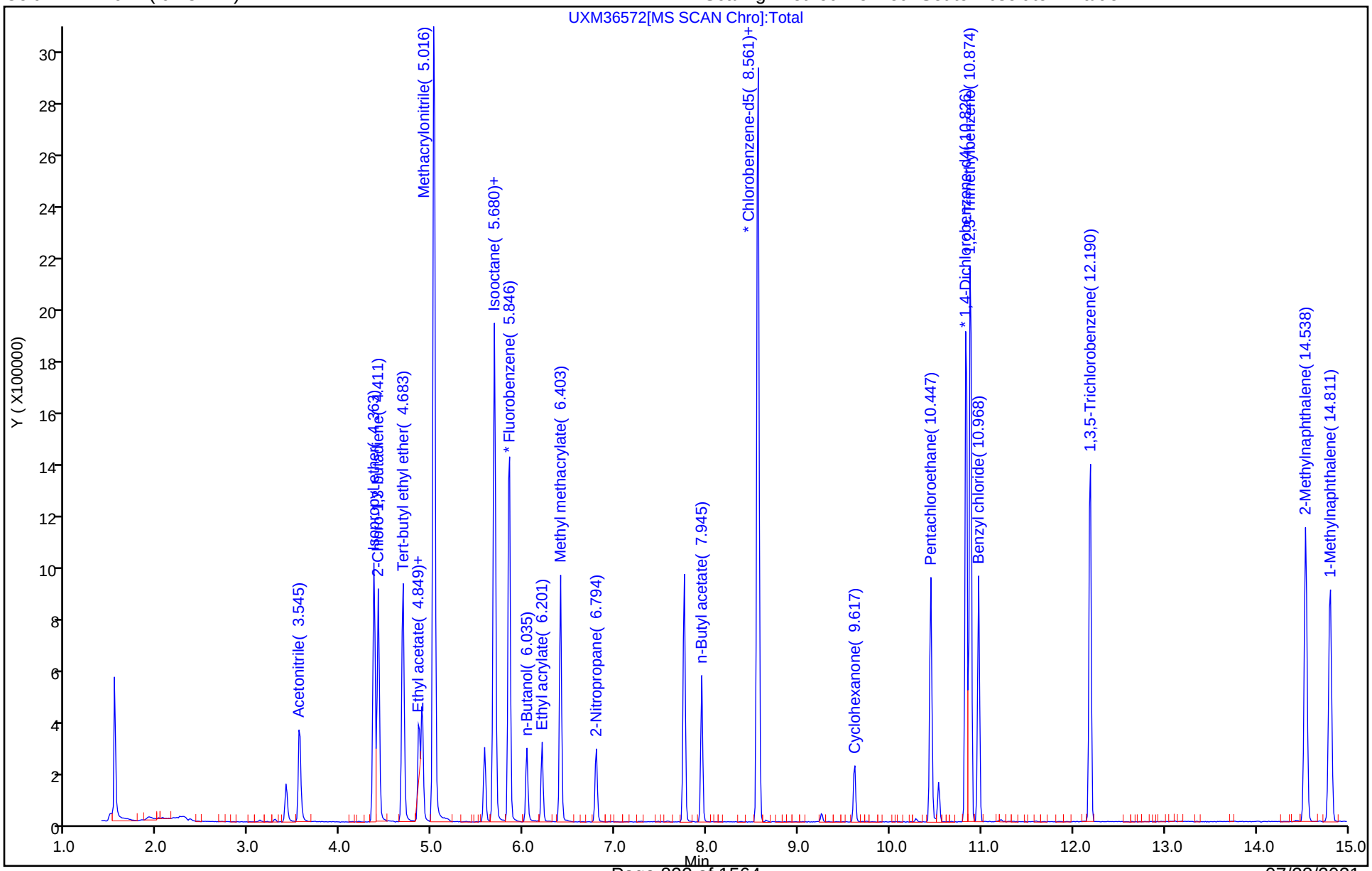
Report Date: 26-Apr-2021 08:34:48 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36572.D

Injection Date:	23-Apr-2021 17:17:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	stdA9 L4			Worklist Smp#:	22
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36573.D
Lims ID: stdA9 L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 23-Apr-2021 17:42:30 ALS Bottle#: 23 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0108510-023
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub78

Method: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Apr-2021 08:34:50 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: bosworthh Date: 26-Apr-2021 08:02:16

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.845	5.846	-0.001	99	1186994	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	87	969326	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	95	534763	20.0	20.0	
25 Acetonitrile	41	3.557	3.545	0.012	99	198462	100.0	105.7	
36 Isopropyl ether	87	4.363	4.363	0.000	93	111673	10.0	10.4	
37 2-Chloro-1,3-butadiene	53	4.411	4.411	0.000	92	239490	10.0	10.6	
38 Tert-butyl ethyl ether	59	4.683	4.683	0.000	97	364610	10.0	10.1	
43 Ethyl acetate	43	4.849	4.849	0.000	99	185634	20.0	18.5	
42 Propionitrile	54	4.885	4.885	0.000	99	211780	100.0	102.4	
44 Methacrylonitrile	41	5.015	5.016	-0.001	92	718408	100.0	97.9	
163 Isooctane	57	5.679	5.680	-0.001	96	490497	10.0	10.4	
55 Tert-amyl methyl ether	73	5.679	5.680	-0.001	99	340780	10.0	9.94	
57 n-Butanol	56	6.035	6.035	0.000	87	69003	250.0	235.7	
59 Ethyl acrylate	55	6.201	6.201	0.000	99	135742	10.0	9.10	
62 Methyl methacrylate	41	6.403	6.403	0.000	89	198850	20.0	19.2	
66 2-Nitropropane	41	6.794	6.794	0.000	97	81820	20.0	19.6	
77 n-Butyl acetate	43	7.944	7.945	-0.001	96	177583	10.0	10.3	
81 1-Chlorohexane	91	8.549	8.549	0.000	97	256700	10.0	9.99	
91 Cyclohexanone	55	9.616	9.617	-0.001	92	45586	100.0	87.3	
103 Pentachloroethane	167	10.447	10.447	0.000	93	98105	20.0	18.6	
109 1,2,3-Trimethylbenzene	105	10.874	10.874	0.000	98	693474	10.0	9.97	
110 Benzyl chloride	126	10.968	10.968	0.000	99	71266	10.0	9.78	
114 1,3,5-Trichlorobenzene	180	12.190	12.190	0.000	97	245368	10.0	9.95	
119 2-Methylnaphthalene	142	14.538	14.538	0.000	92	369455	20.0	18.6	
162 1-Methylnaphthalene	142	14.811	14.811	0.000	0	304533	20.0	18.6	

QC Flag Legend
Processing Flags

Reagents:

vmra9w_00388	Amount Added:	8.00	Units: uL
vm50is_stk_a_00008	Amount Added:	2.00	Units: uL

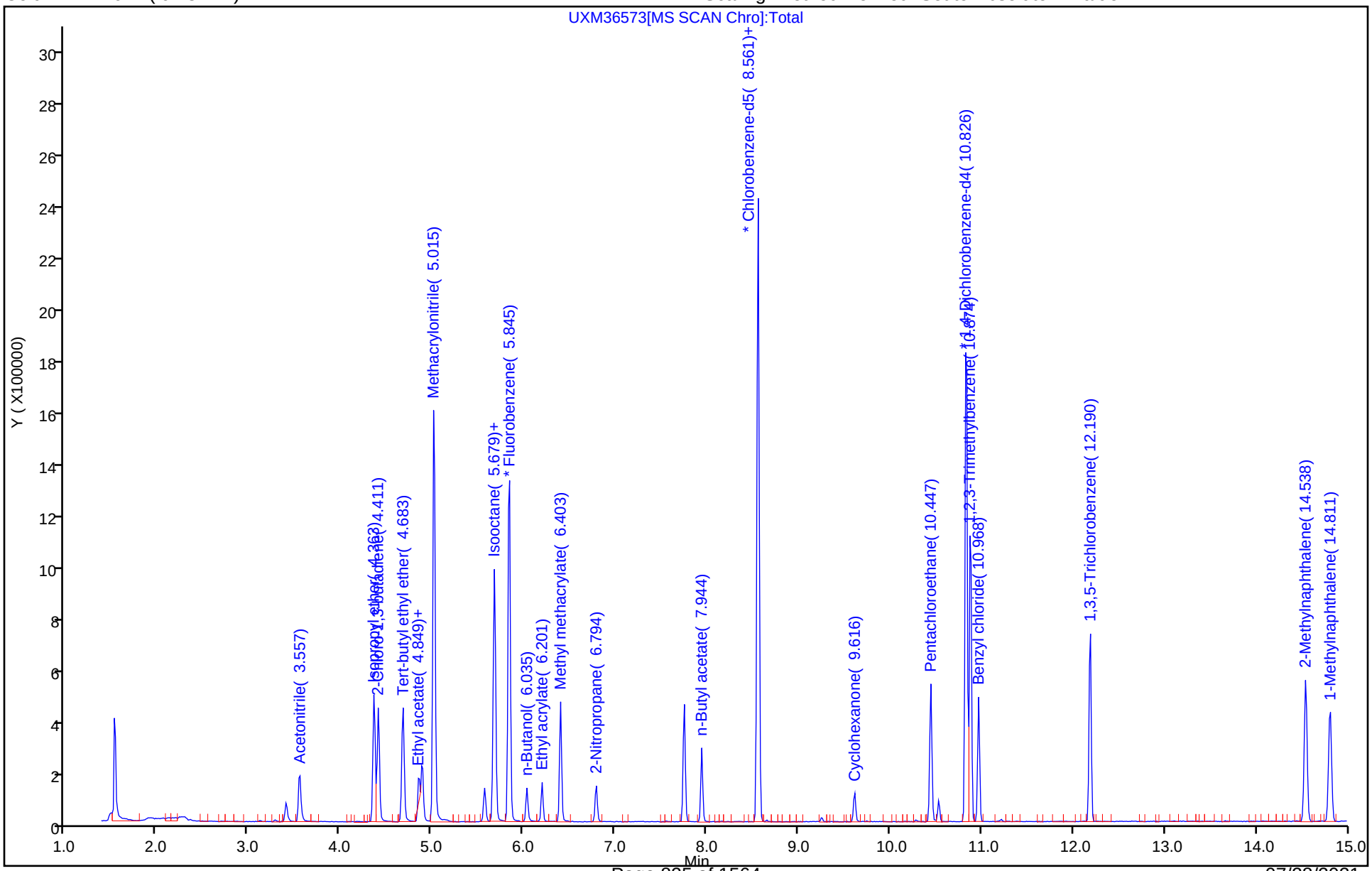
Report Date: 26-Apr-2021 08:34:51 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36573.D

Injection Date:	23-Apr-2021 17:42:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	stdA9 L3			Worklist Smp#:	23
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36574.D
Lims ID: stdA9 L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 23-Apr-2021 18:06:30 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0108510-024
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub78

Method: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Apr-2021 08:34:53 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: bosworthh Date: 26-Apr-2021 08:02:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.846	5.846	0.000	99	1087941	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	87	946330	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	96	520505	20.0	20.0	
25 Acetonitrile	41	3.557	3.545	0.012	99	19635	10.0	11.4	
36 Isopropyl ether	87	4.363	4.363	0.000	93	9217	1.00	0.9327	
37 2-Chloro-1,3-butadiene	53	4.411	4.411	0.000	93	20153	1.00	0.9701	
38 Tert-butyl ethyl ether	59	4.683	4.683	0.000	99	31824	1.00	0.9632	
43 Ethyl acetate	43	4.861	4.849	0.012	99	22067	2.00	2.40	
42 Propionitrile	54	4.897	4.885	0.012	97	21201	10.0	11.2	
44 Methacrylonitrile	41	5.015	5.016	-0.001	93	68094	10.0	10.1	
163 Isooctane	57	5.680	5.680	0.000	97	46997	1.00	1.09	
55 Tert-amyl methyl ether	73	5.680	5.680	0.000	94	30022	1.00	0.9556	
57 n-Butanol	56	6.035	6.035	0.000	94	7027	25.0	26.2	
59 Ethyl acrylate	55	6.201	6.201	0.000	98	16400	1.00	1.20	
62 Methyl methacrylate	41	6.403	6.403	0.000	89	20870	2.00	2.20	
66 2-Nitropropane	41	6.794	6.794	0.000	99	12520	2.00	2.04	
77 n-Butyl acetate	43	7.945	7.945	0.000	93	17532	1.00	1.11	
81 1-Chlorohexane	91	8.549	8.549	0.000	87	25253	1.00	1.01	
91 Cyclohexanone	55	9.617	9.617	0.000	86	7650	10.0	10.6	
103 Pentachloroethane	167	10.447	10.447	0.000	93	11677	2.00	2.26	
109 1,2,3-Trimethylbenzene	105	10.874	10.874	0.000	97	66139	1.00	0.9772	
110 Benzyl chloride	126	10.968	10.968	0.000	98	6907	1.00	0.9739	
114 1,3,5-Trichlorobenzene	180	12.190	12.190	0.000	96	23445	1.00	0.9768	
119 2-Methylnaphthalene	142	14.538	14.538	0.000	92	39475	2.00	2.04	
162 1-Methylnaphthalene	142	14.811	14.811	0.000	0	31855	2.00	2.00	

QC Flag Legend
Processing Flags

Reagents:

vmra9w_00388	Amount Added:	0.80	Units: uL
vm50is_stk_a_00008	Amount Added:	2.00	Units: uL

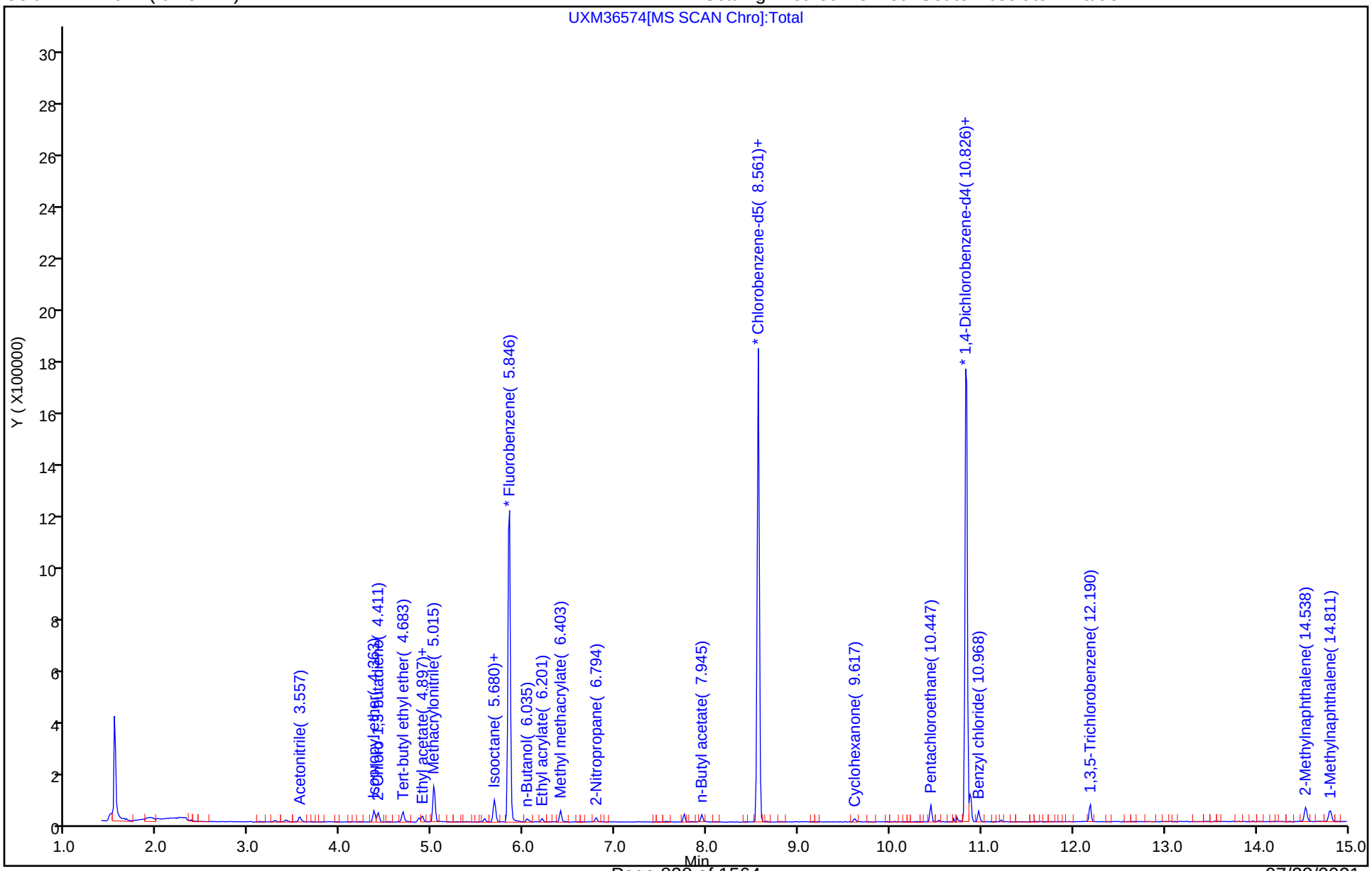
Report Date: 26-Apr-2021 08:34:54 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36574.D

Injection Date:	23-Apr-2021 18:06:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	stdA9 L2			Worklist Smp#:	24
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D
Lims ID: stdA9 L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 23-Apr-2021 18:30:30 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0108510-025
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub78

Method: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Apr-2021 08:34:55 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: bosworthh Date: 26-Apr-2021 08:05:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.846	5.846	0.000	99	1077059	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	86	944637	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	95	536296	20.0	20.0	
25 Acetonitrile	41		3.545				ND	ND	U
36 Isopropyl ether	87	4.363	4.363	0.000	96	4327	0.5000	0.4423	
37 2-Chloro-1,3-butadiene	53	4.411	4.411	0.000	91	10249	0.5000	0.4983	
38 Tert-butyl ethyl ether	59	4.683	4.683	0.000	98	14494	0.5000	0.4431	
43 Ethyl acetate	43	4.849	4.849	0.000	95	7812	1.00	0.8588	
42 Propionitrile	54	4.897	4.885	0.012	97	9991	5.00	5.33	
44 Methacrylonitrile	41	5.015	5.016	-0.001	91	30231	5.00	4.54	
163 Isooctane	57	5.679	5.680	-0.001	91	22423	0.5000	0.5256	
55 Tert-amyl methyl ether	73	5.679	5.680	-0.001	76	14298	0.5000	0.4597	
57 n-Butanol	56	6.035	6.035	0.000	82	2824	12.5	10.6	
59 Ethyl acrylate	55	6.201	6.201	0.000	94	7267	0.5000	0.5366	
62 Methyl methacrylate	41	6.403	6.403	0.000	86	10166	1.00	1.08	
66 2-Nitropropane	41		6.794				ND	ND	U
77 n-Butyl acetate	43		7.945				ND	ND	U
81 1-Chlorohexane	91	8.549	8.549	0.000	63	14045	0.5000	0.5608	
91 Cyclohexanone	55	9.617	9.617	-0.001	83	5542	5.00	5.83	
103 Pentachloroethane	167	10.447	10.447	0.000	86	3712	1.00	0.7210	
109 1,2,3-Trimethylbenzene	105	10.874	10.874	0.000	97	34447	0.5000	0.4940	
110 Benzyl chloride	126	10.968	10.968	0.000	98	3192	0.5000	0.4368	
114 1,3,5-Trichlorobenzene	180	12.190	12.190	0.000	94	11975	0.5000	0.4842	
119 2-Methylnaphthalene	142	14.538	14.538	0.000	91	18469	1.00	0.9269	
162 1-Methylnaphthalene	142	14.811	14.811	0.000	0	14571	1.00	0.8859	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND

Review Flags
U - Marked Undetected

Reagents:

vmra9w_00388	Amount Added:	0.40	Units: uL
vm50is_stk_a_00008	Amount Added:	2.00	Units: uL

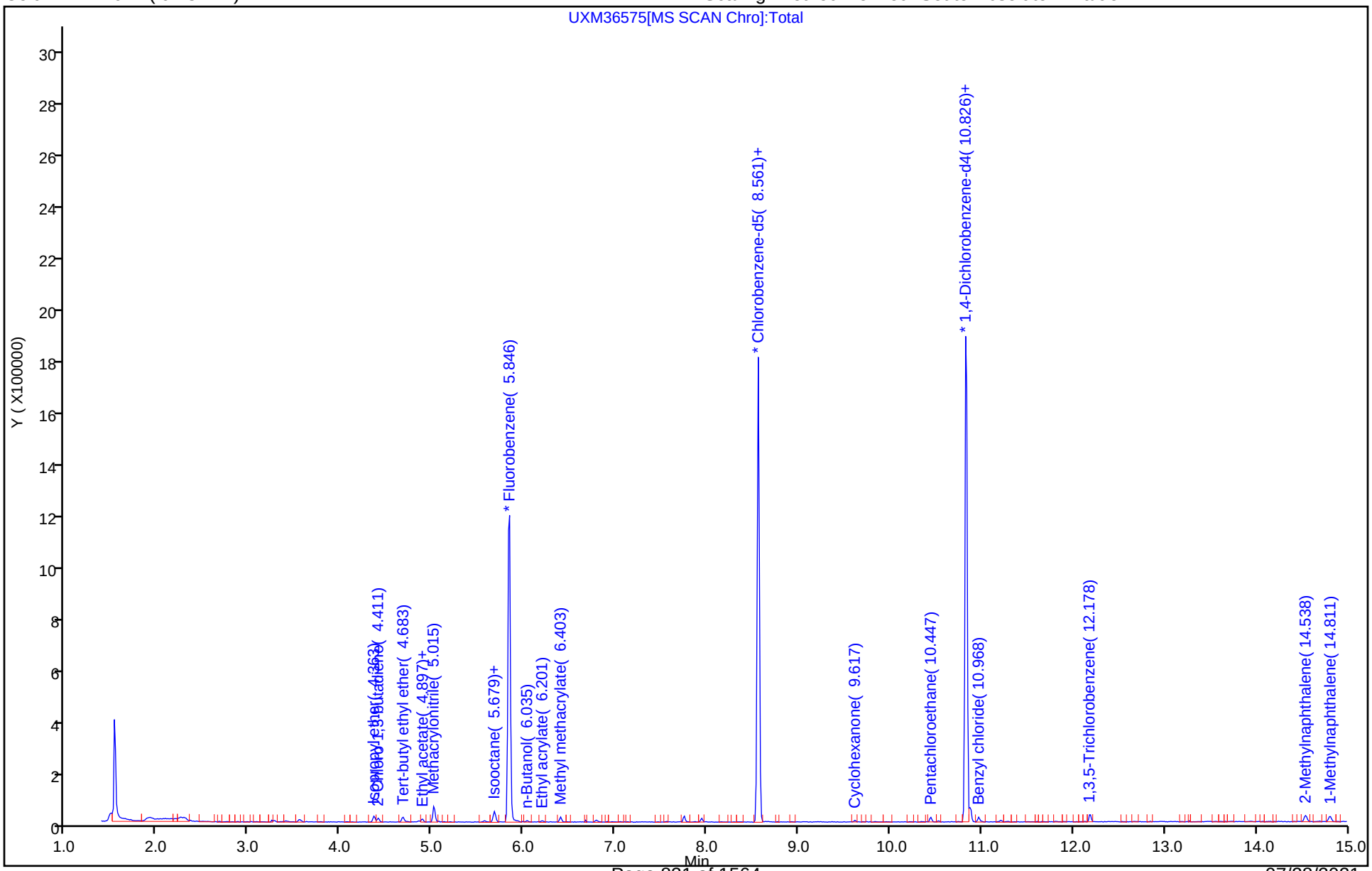
Report Date: 26-Apr-2021 08:34:56 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Injection Date:	23-Apr-2021 18:30:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	stdA9 L1			Worklist Smp#:	25
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton

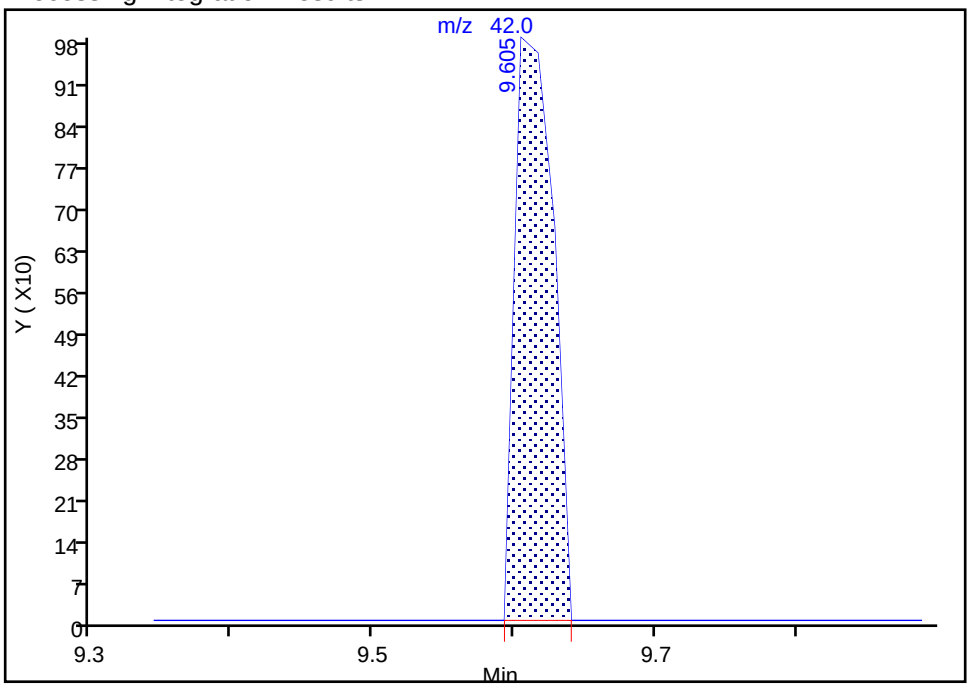
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Injection Date: 23-Apr-2021 18:30:30 Instrument ID: A3UX16
Lims ID: stdA9 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

91 Cyclohexanone, CAS: 108-94-1

Signal: 2

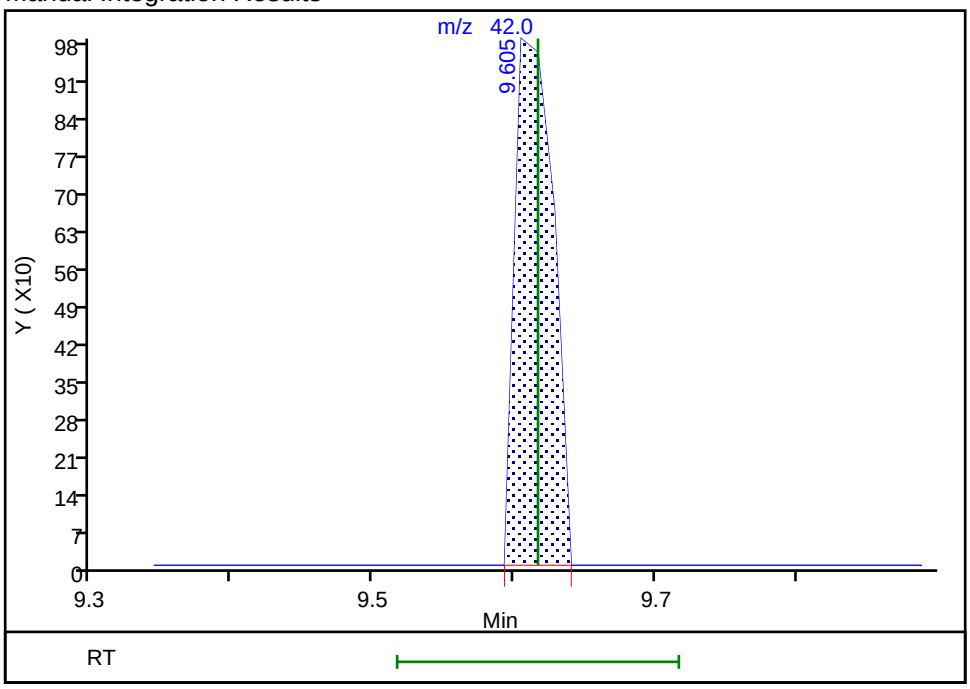
Processing Integration Results

RT: 9.60
Area: 1861
Amount: 5.833527
Amount Units: ug/l



Manual Integration Results

RT: 9.60
Area: 1861
Amount: 5.833527
Amount Units: ug/l



Reviewer: bosworthh, 26-Apr-2021 08:04:02
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Canton

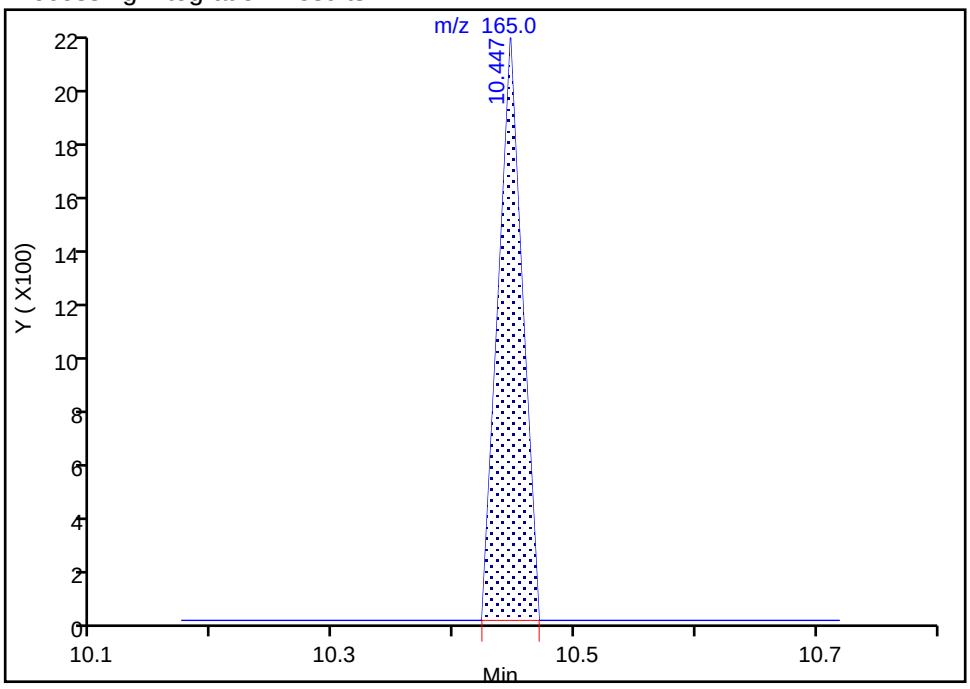
Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D
Injection Date: 23-Apr-2021 18:30:30 Instrument ID: A3UX16
Lims ID: stdA9 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

103 Pentachloroethane, CAS: 76-01-7

Signal: 2

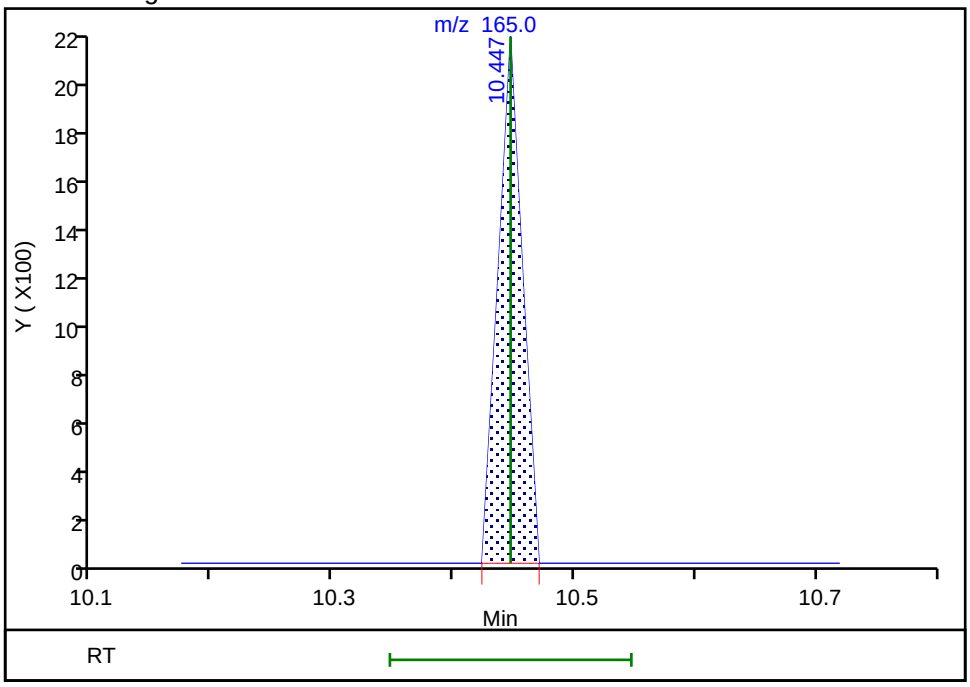
Processing Integration Results

RT: 10.45
Area: 3028
Amount: 2.012157
Amount Units: ug/l



Manual Integration Results

RT: 10.45
Area: 3028
Amount: 0.721049
Amount Units: ug/l



Reviewer: bosworthh, 26-Apr-2021 08:05:14
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

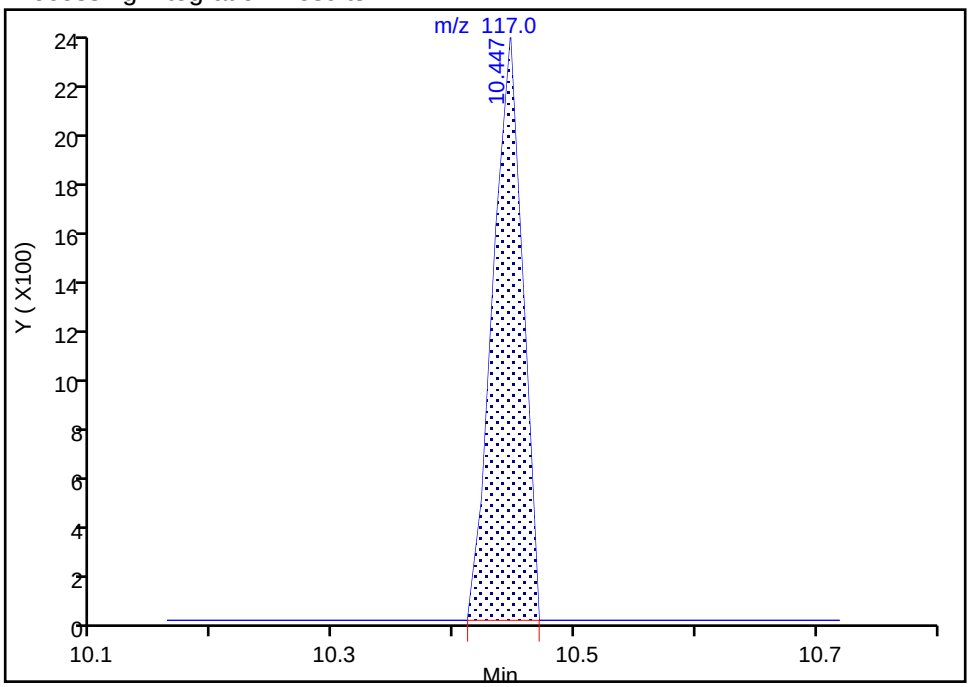
Injection Date:	23-Apr-2021 18:30:30	Instrument ID:	A3UX16		
Lims ID:	stdA9 L1				
Client ID:					
Operator ID:	001765	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_16	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

103 Pentachloroethane, CAS: 76-01-7

Signal: 3

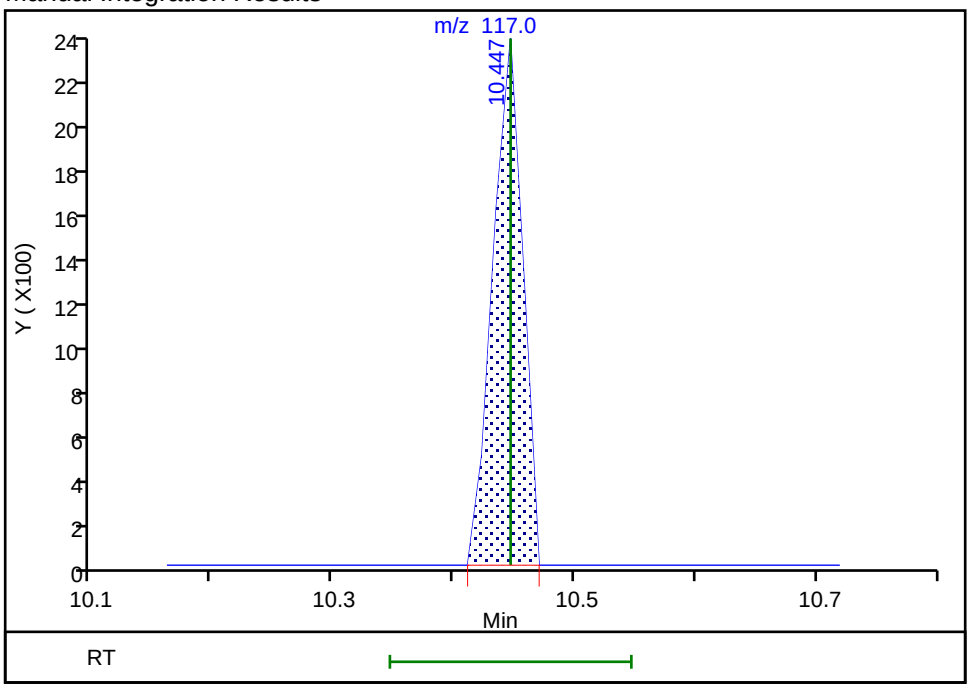
Processing Integration Results

RT: 10.45
Area: 4099
Amount: 2.012157
Amount Units: ug/l



Manual Integration Results

RT: 10.45
Area: 4099
Amount: 0.721049
Amount Units: ug/l



Reviewer: bosworthh, 26-Apr-2021 08:05:14

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

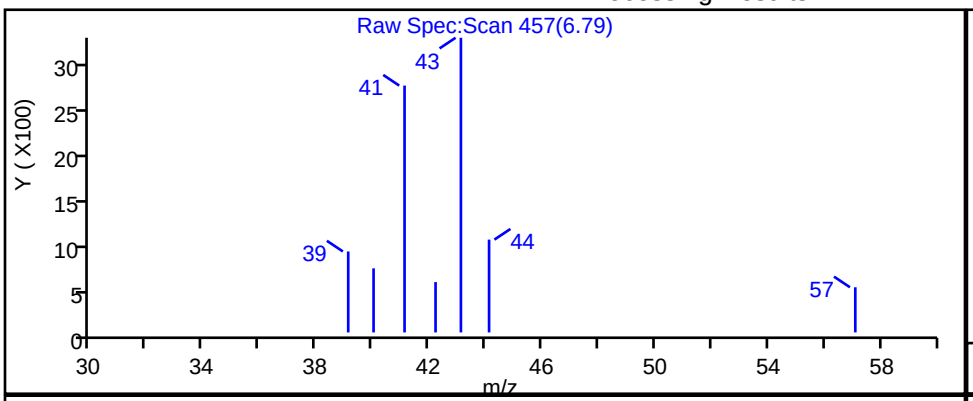
User Disabled Compound Report

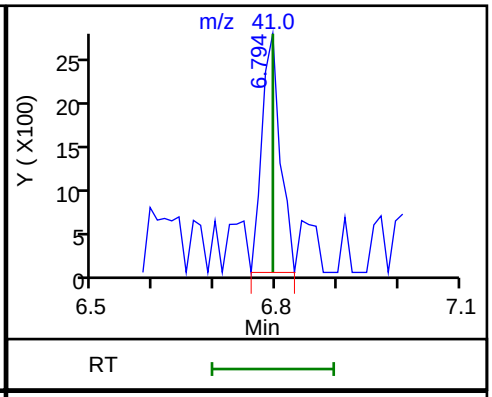
Eurofins TestAmerica, Canton

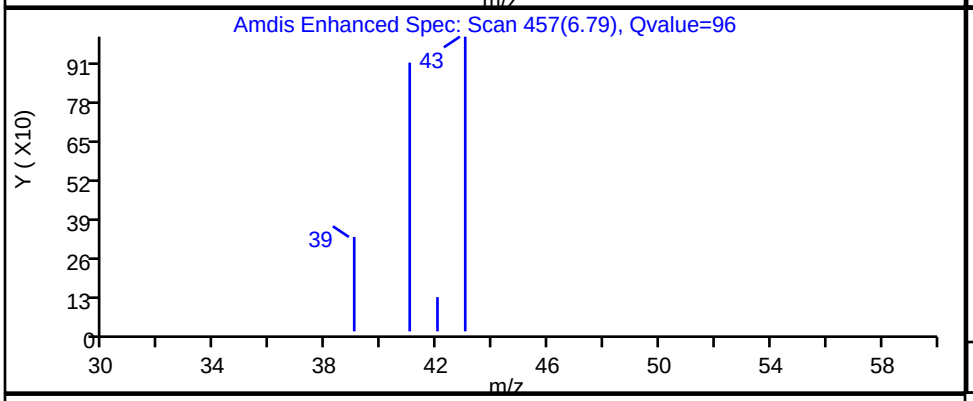
Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D
Injection Date: 23-Apr-2021 18:30:30 Instrument ID: A3UX16
Lims ID: stdA9 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

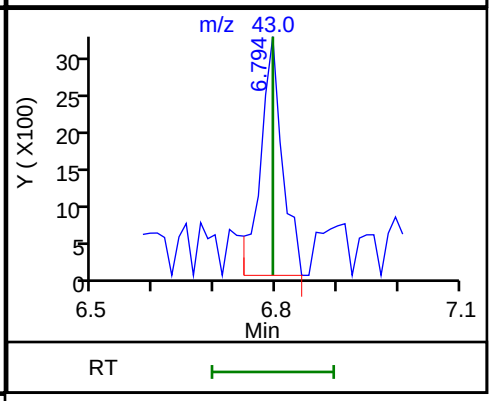
66 2-Nitropropane, CAS: 79-46-9

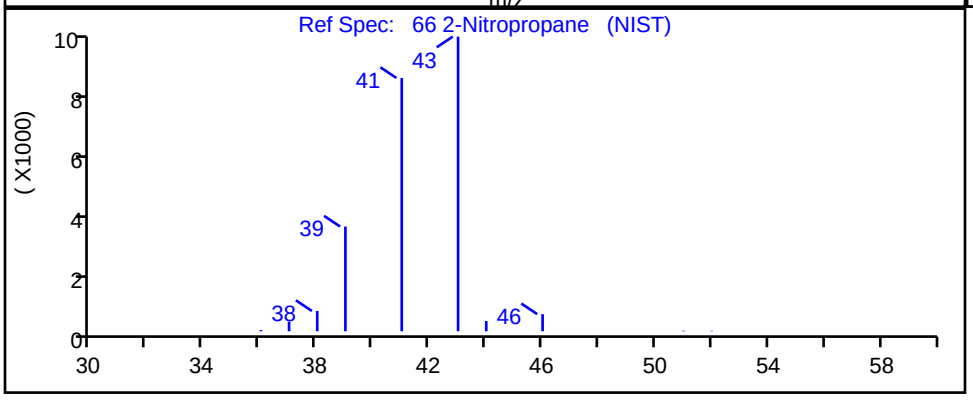
Processing Results











RT	Mass	Response	Amount
6.79	41.00	5717	1.298185
6.79	43.00	8149	

Reviewer: bosworthh, 26-Apr-2021 08:03:16
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

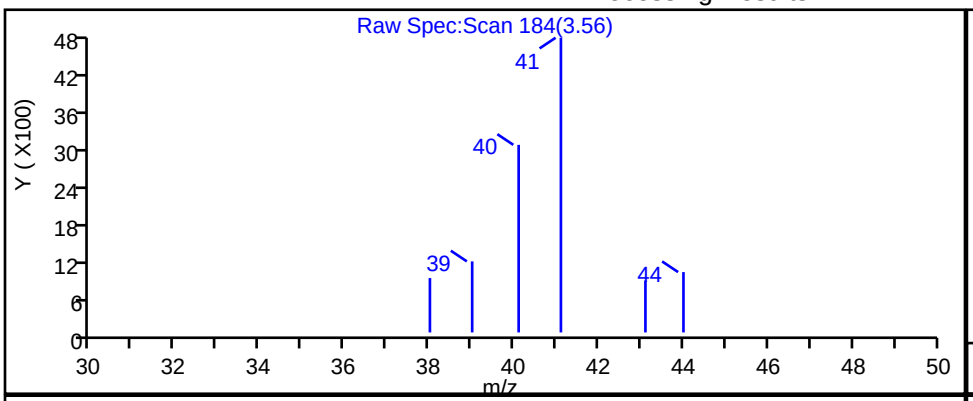
User Disabled Compound Report

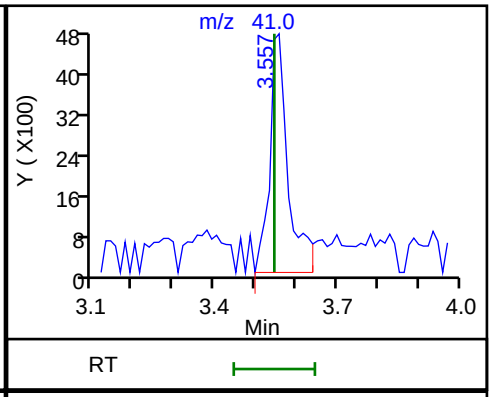
Eurofins TestAmerica, Canton

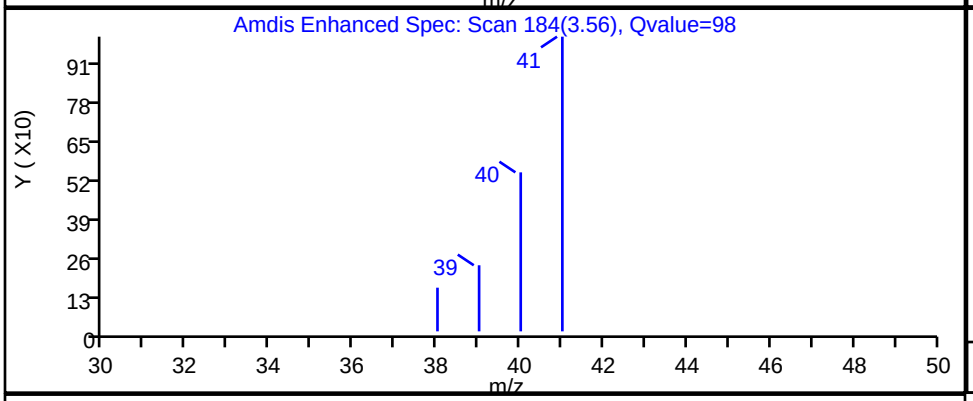
Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D
Injection Date: 23-Apr-2021 18:30:30 Instrument ID: A3UX16
Lims ID: stdA9 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

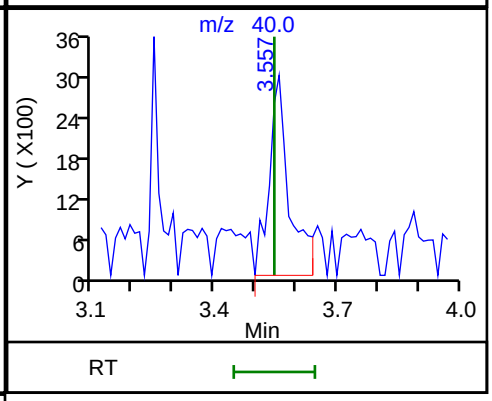
25 Acetonitrile, CAS: 75-05-8

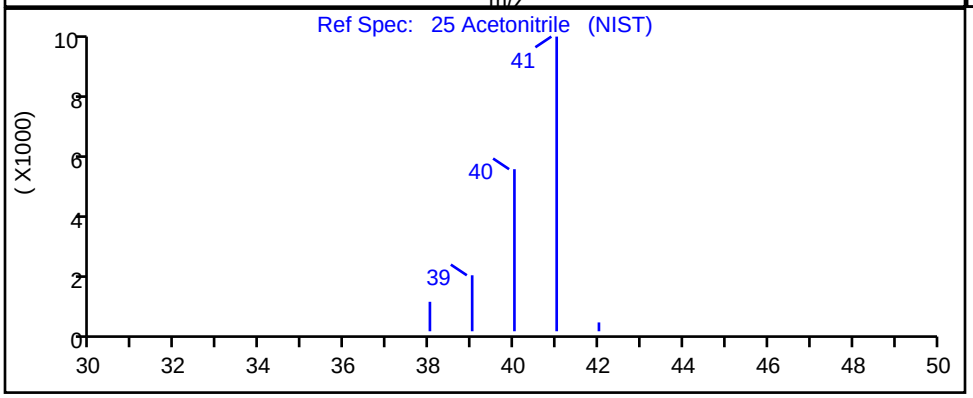
Processing Results











RT	Mass	Response	Amount
3.56	41.00	14801	5.128995
3.56	40.00	10349	

Reviewer: bosworthh, 26-Apr-2021 08:02:53
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

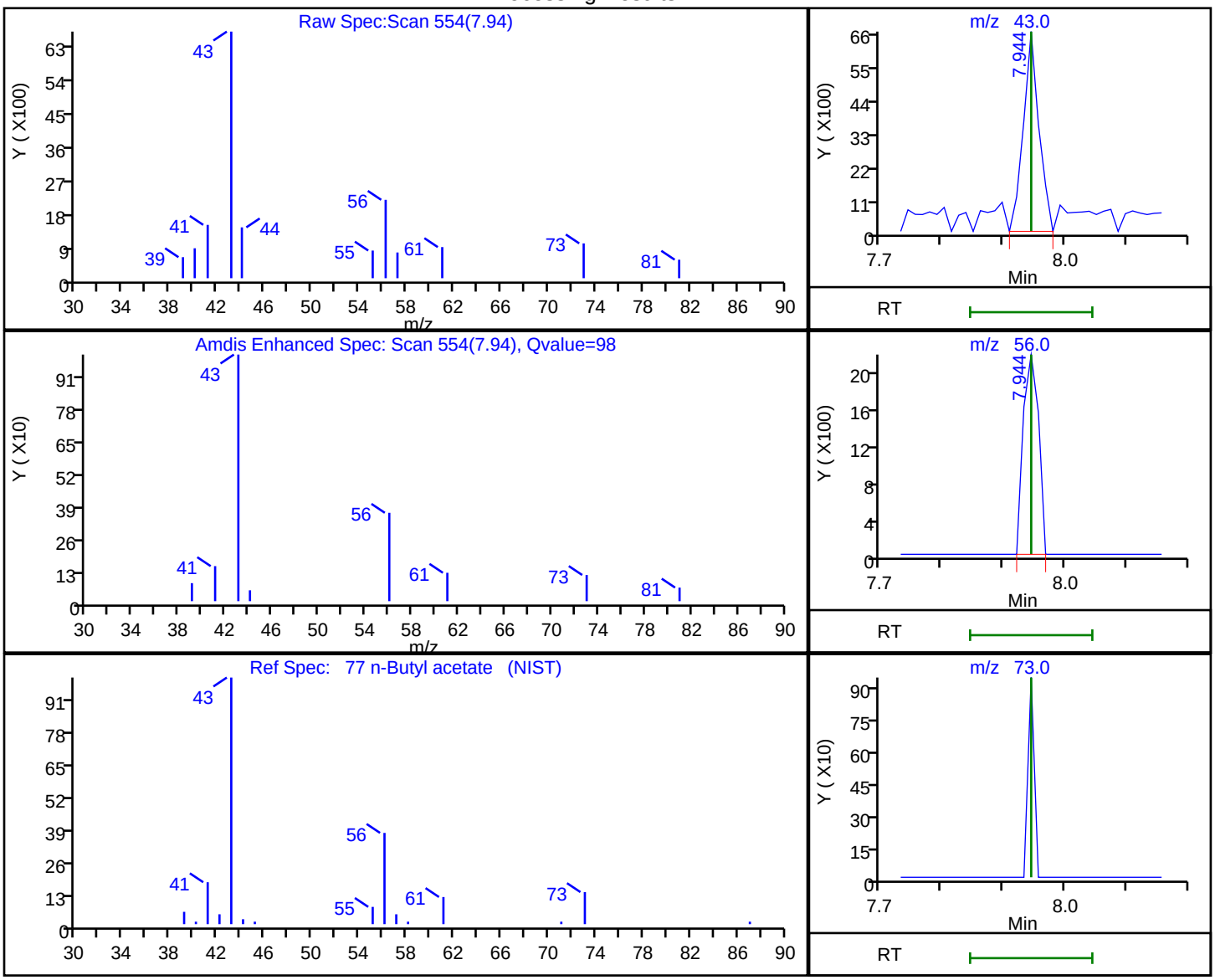
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D				
Injection Date:	23-Apr-2021 18:30:30	Instrument ID:	A3UX16		
Lims ID:	stdA9 L1				
Client ID:					
Operator ID:	001765	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_16	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

77 n-Butyl acetate, CAS: 123-86-4

Processing Results



RT	Mass	Response	Amount
7.94	43.00	11839	0.520336
7.94	56.00	3695	
7.94	73.00	0	

Reviewer: bosworthh, 26-Apr-2021 08:03:55

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

Calibration / Acetonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

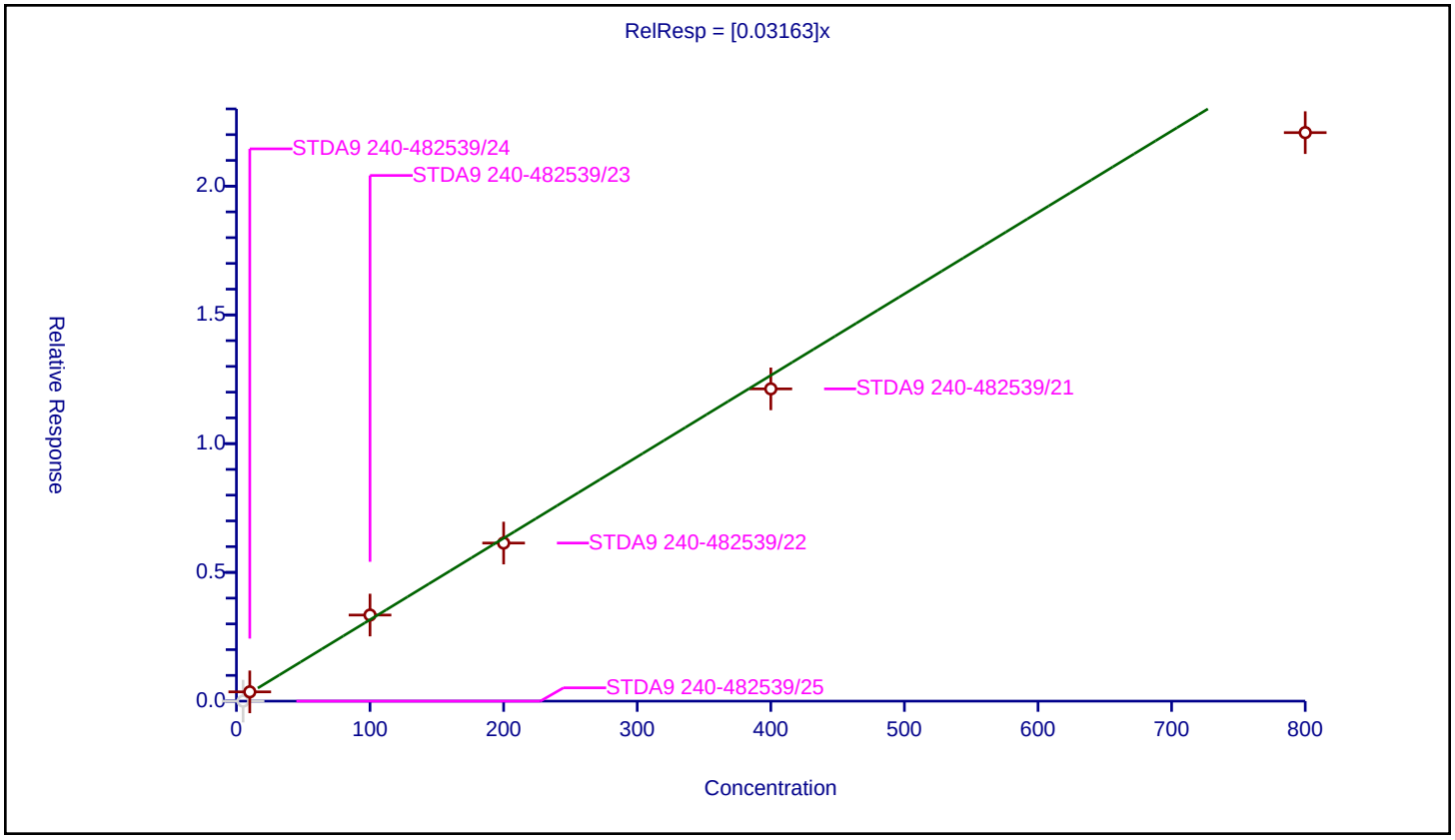
Curve Coefficients

Intercept:	0
Slope:	0.03163

Error Coefficients

Standard Error:	996000
Relative Standard Error:	10.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-482539/25	5.0	0.0	20.0	1077059.0	0.0	N
2	STDA9 240-482539/24	10.0	0.360957	20.0	1087941.0	0.036096	Y
3	STDA9 240-482539/23	100.0	3.343943	20.0	1186994.0	0.033439	Y
4	STDA9 240-482539/22	200.0	6.13923	20.0	1269739.0	0.030696	Y
5	STDA9 240-482539/21	400.0	12.127205	20.0	1395855.0	0.030318	Y
6	STDA9 240-482539/20	800.0	22.078695	20.0	1584023.0	0.027598	Y



Calibration / Isopropyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

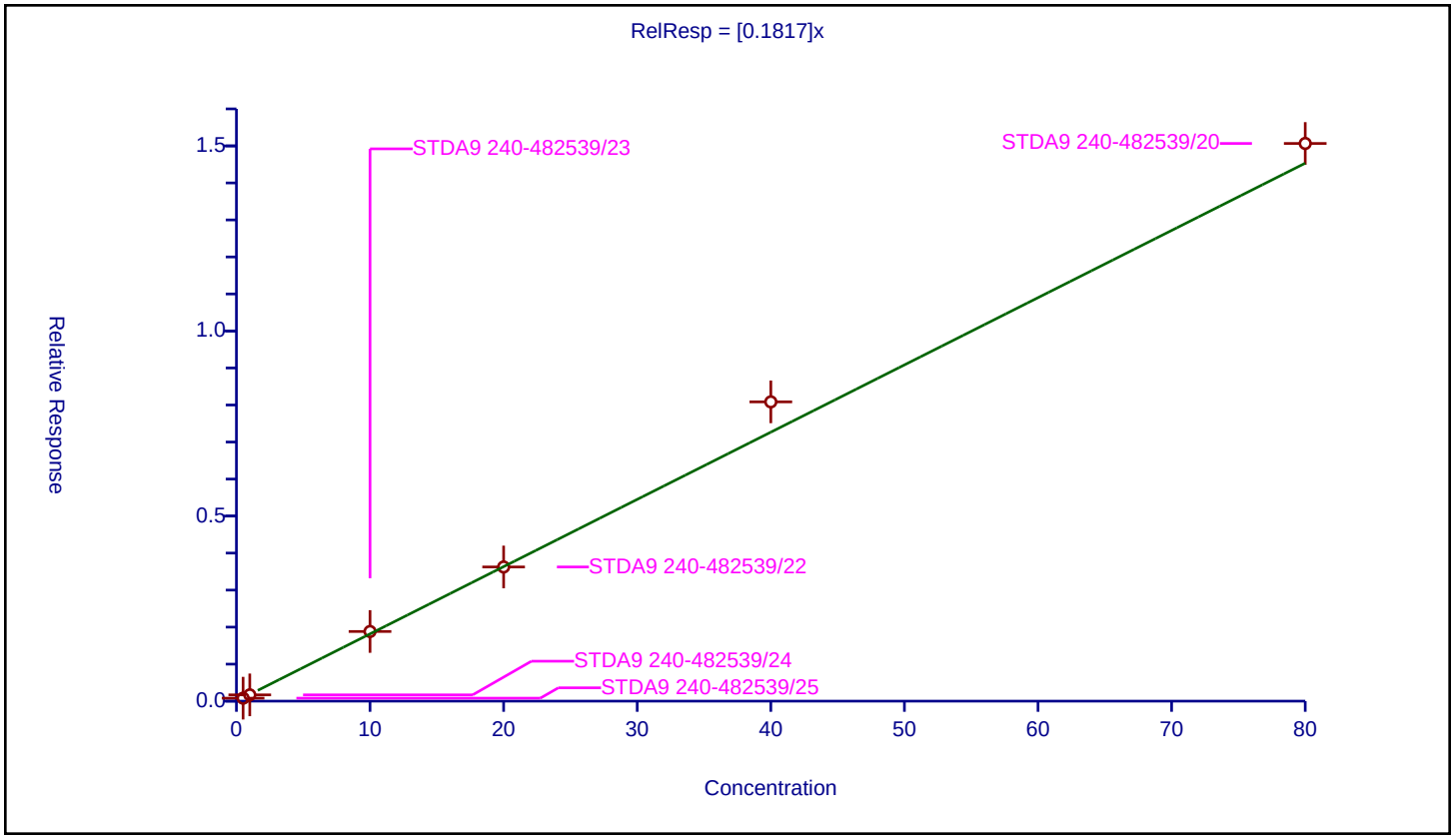
Curve Coefficients

Intercept:	0
Slope:	0.1817

Error Coefficients

Standard Error:	601000
Relative Standard Error:	8.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-482539/25	0.5	0.080348	20.0	1077059.0	0.160697	Y
2	STDA9 240-482539/24	1.0	0.169439	20.0	1087941.0	0.169439	Y
3	STDA9 240-482539/23	10.0	1.88161	20.0	1186994.0	0.188161	Y
4	STDA9 240-482539/22	20.0	3.624493	20.0	1269739.0	0.181225	Y
5	STDA9 240-482539/21	40.0	8.084923	20.0	1395855.0	0.202123	Y
6	STDA9 240-482539/20	80.0	15.066271	20.0	1584023.0	0.188328	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

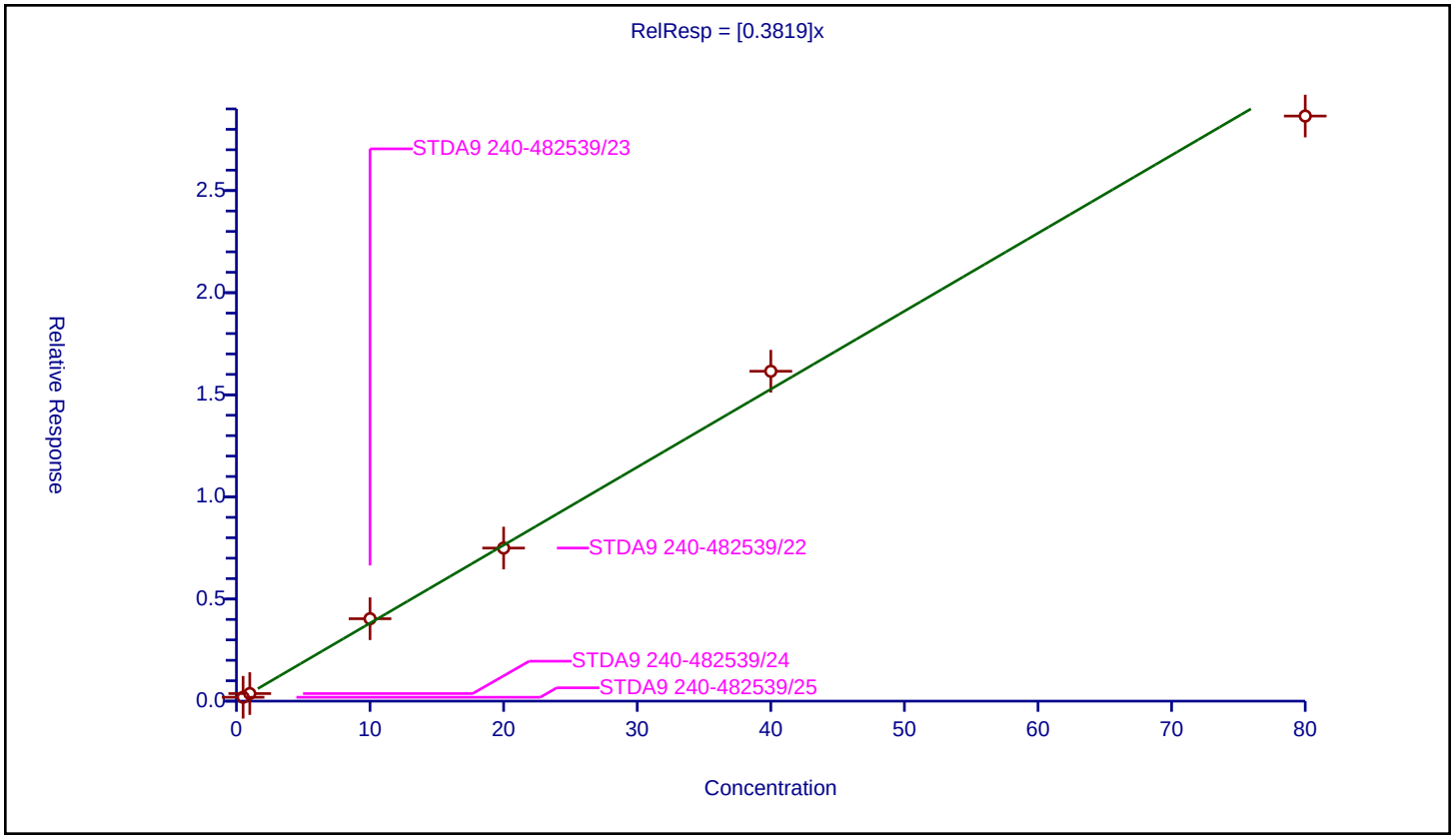
Curve Coefficients

Intercept:	0
Slope:	0.3819

Error Coefficients

Standard Error:	1160000
Relative Standard Error:	4.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-482539/25	0.5	0.190315	20.0	1077059.0	0.380629	Y
2	STDA9 240-482539/24	1.0	0.37048	20.0	1087941.0	0.37048	Y
3	STDA9 240-482539/23	10.0	4.035235	20.0	1186994.0	0.403524	Y
4	STDA9 240-482539/22	20.0	7.495761	20.0	1269739.0	0.374788	Y
5	STDA9 240-482539/21	40.0	16.154328	20.0	1395855.0	0.403858	Y
6	STDA9 240-482539/20	80.0	28.650304	20.0	1584023.0	0.358129	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

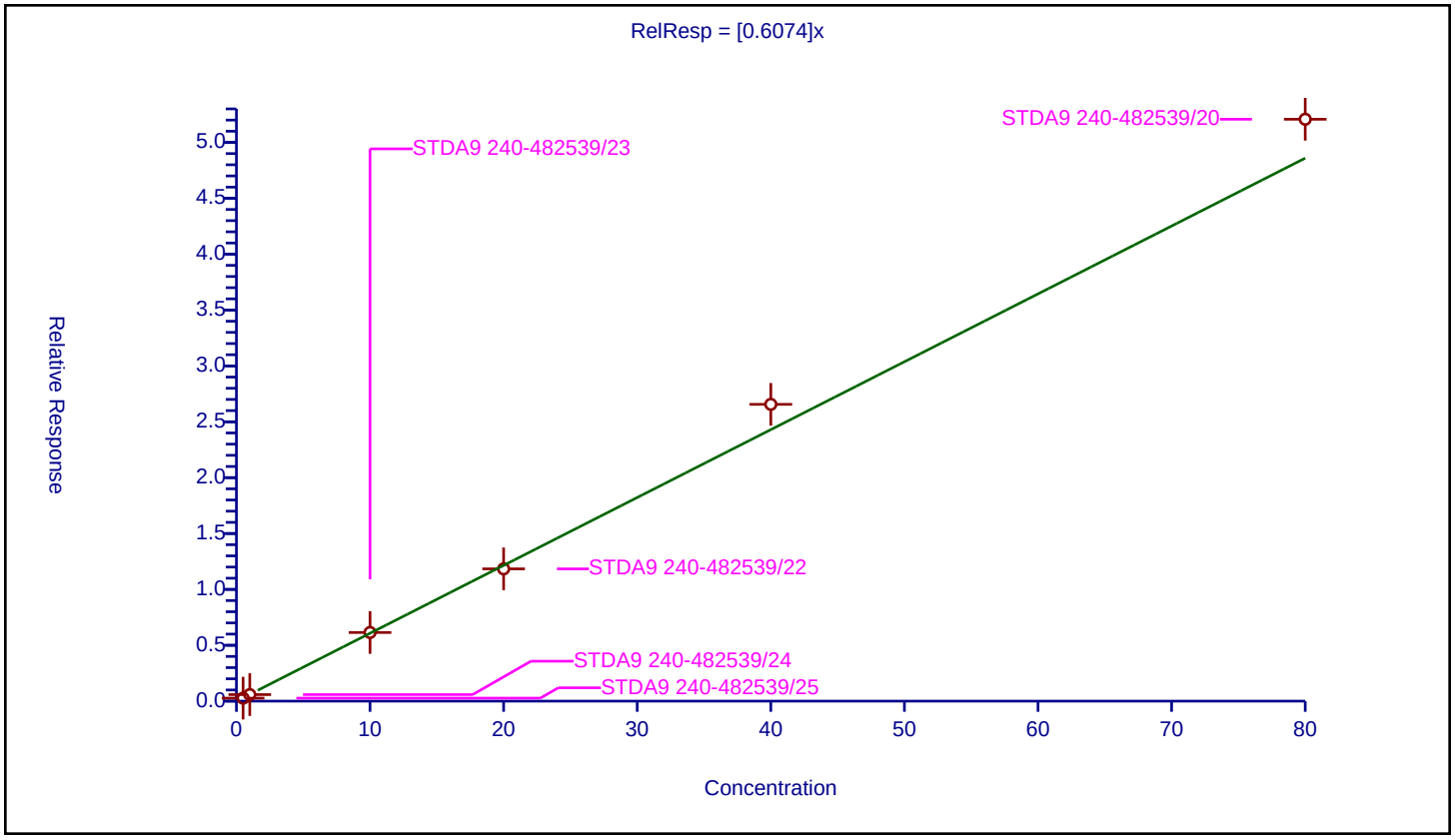
Curve Coefficients

Intercept:	0
Slope:	0.6074

Error Coefficients

Standard Error:	2060000
Relative Standard Error:	7.6
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-482539/25	0.5	0.26914	20.0	1077059.0	0.538281	Y
2	STDA9 240-482539/24	1.0	0.585032	20.0	1087941.0	0.585032	Y
3	STDA9 240-482539/23	10.0	6.143418	20.0	1186994.0	0.614342	Y
4	STDA9 240-482539/22	20.0	11.837315	20.0	1269739.0	0.591866	Y
5	STDA9 240-482539/21	40.0	26.559449	20.0	1395855.0	0.663986	Y
6	STDA9 240-482539/20	80.0	52.071769	20.0	1584023.0	0.650897	Y



Calibration / Ethyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

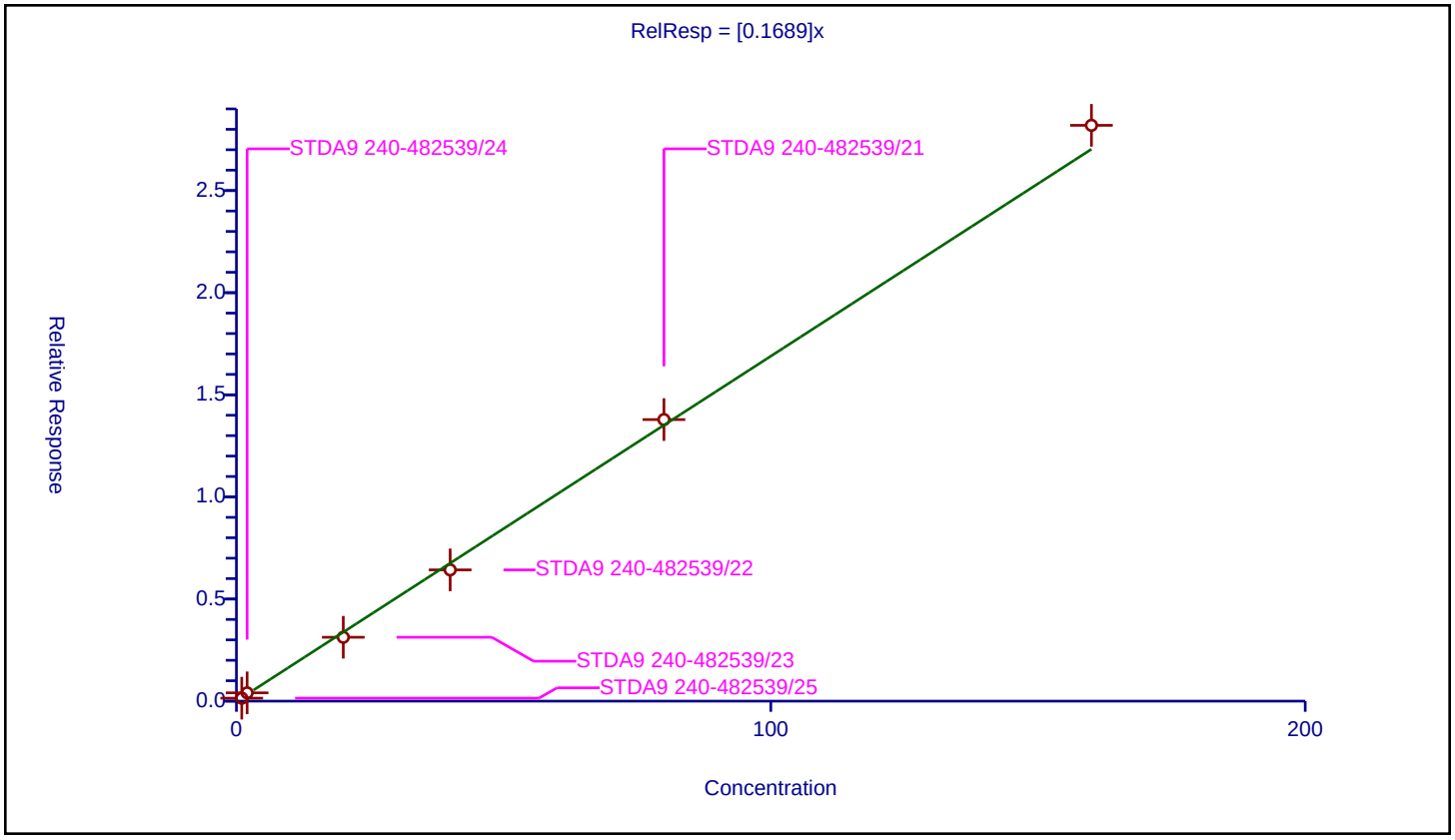
Curve Coefficients

Intercept:	0
Slope:	0.1689

Error Coefficients

Standard Error:	1110000
Relative Standard Error:	11.9
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-482539/25	1.0	0.145062	20.0	1077059.0	0.145062	Y
2	STDA9 240-482539/24	2.0	0.405665	20.0	1087941.0	0.202833	Y
3	STDA9 240-482539/23	20.0	3.1278	20.0	1186994.0	0.15639	Y
4	STDA9 240-482539/22	40.0	6.427148	20.0	1269739.0	0.160679	Y
5	STDA9 240-482539/21	80.0	13.78732	20.0	1395855.0	0.172342	Y
6	STDA9 240-482539/20	160.0	28.194805	20.0	1584023.0	0.176218	Y



Calibration / Propionitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

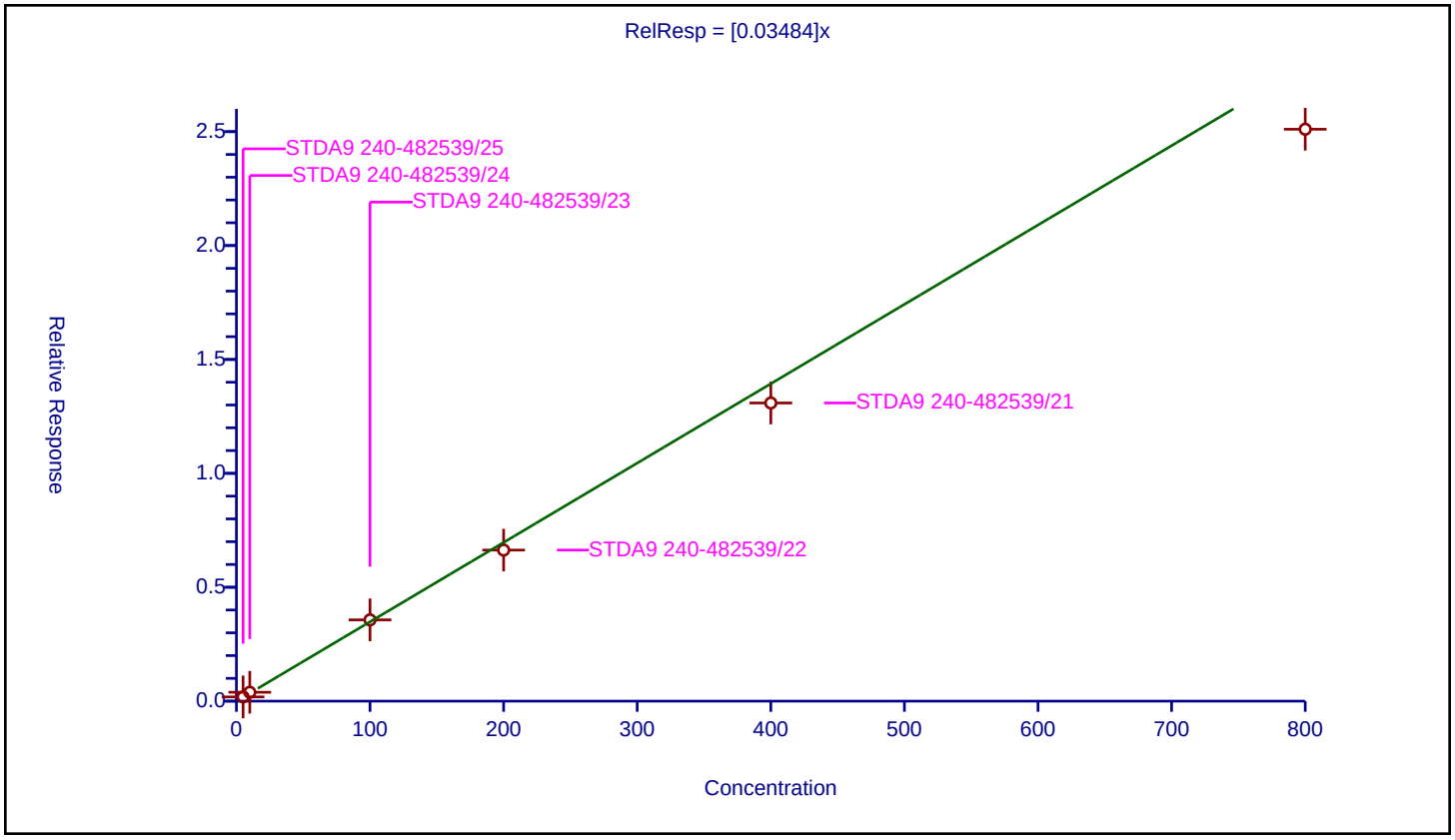
Curve Coefficients

Intercept:	0
Slope:	0.03484

Error Coefficients

Standard Error:	1000000
Relative Standard Error:	8.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-482539/25	5.0	0.185524	20.0	1077059.0	0.037105	Y
2	STDA9 240-482539/24	10.0	0.389745	20.0	1087941.0	0.038975	Y
3	STDA9 240-482539/23	100.0	3.568342	20.0	1186994.0	0.035683	Y
4	STDA9 240-482539/22	200.0	6.630906	20.0	1269739.0	0.033155	Y
5	STDA9 240-482539/21	400.0	13.089569	20.0	1395855.0	0.032724	Y
6	STDA9 240-482539/20	800.0	25.106643	20.0	1584023.0	0.031383	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

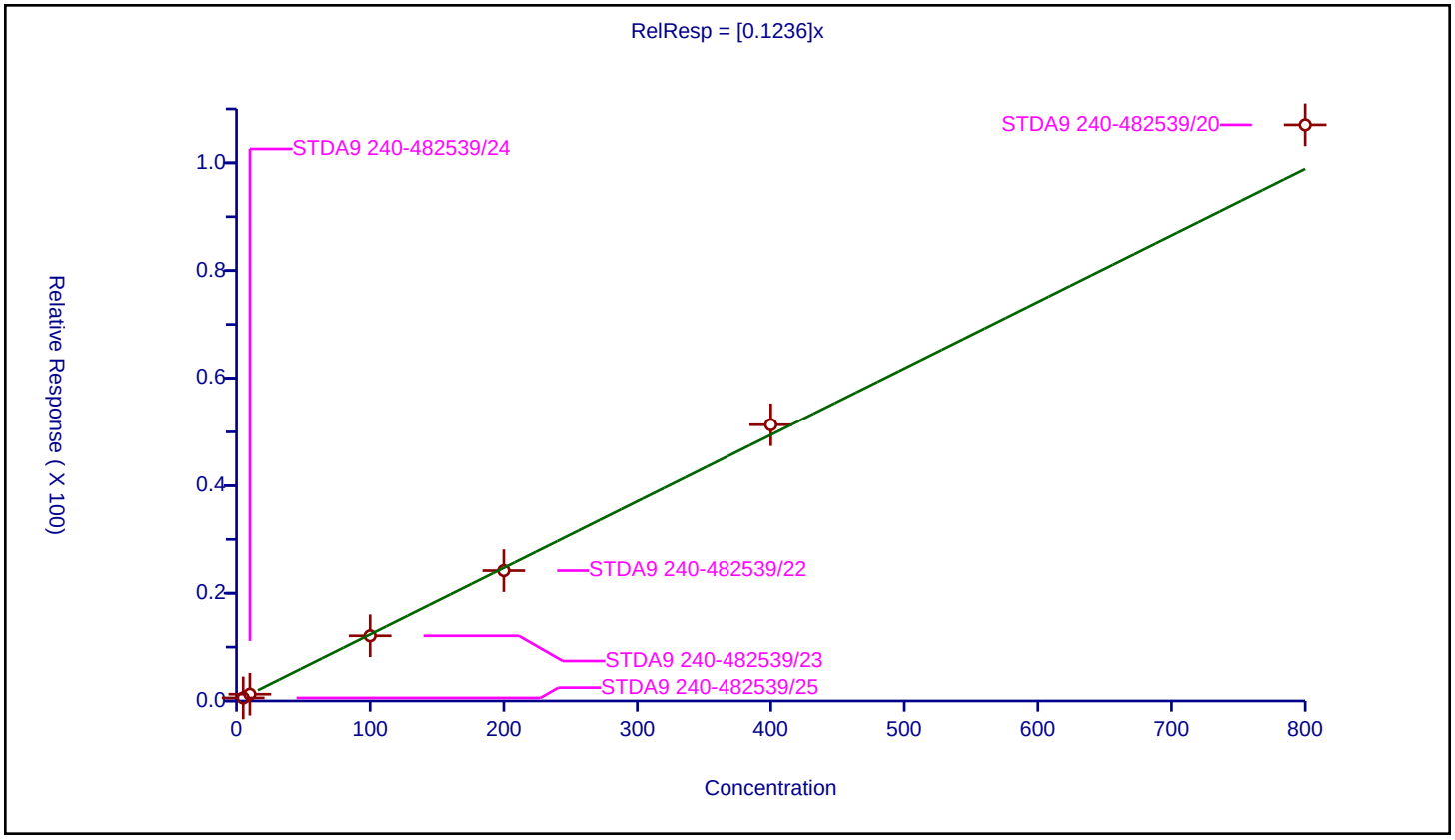
Curve Coefficients

Intercept:	0
Slope:	0.1236

Error Coefficients

Standard Error:	4190000
Relative Standard Error:	6.0
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-482539/25	5.0	0.561362	20.0	1077059.0	0.112272	Y
2	STDA9 240-482539/24	10.0	1.251796	20.0	1087941.0	0.12518	Y
3	STDA9 240-482539/23	100.0	12.104661	20.0	1186994.0	0.121047	Y
4	STDA9 240-482539/22	200.0	24.201068	20.0	1269739.0	0.121005	Y
5	STDA9 240-482539/21	400.0	51.333527	20.0	1395855.0	0.128334	Y
6	STDA9 240-482539/20	800.0	107.045769	20.0	1584023.0	0.133807	Y



Calibration / Isooctane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

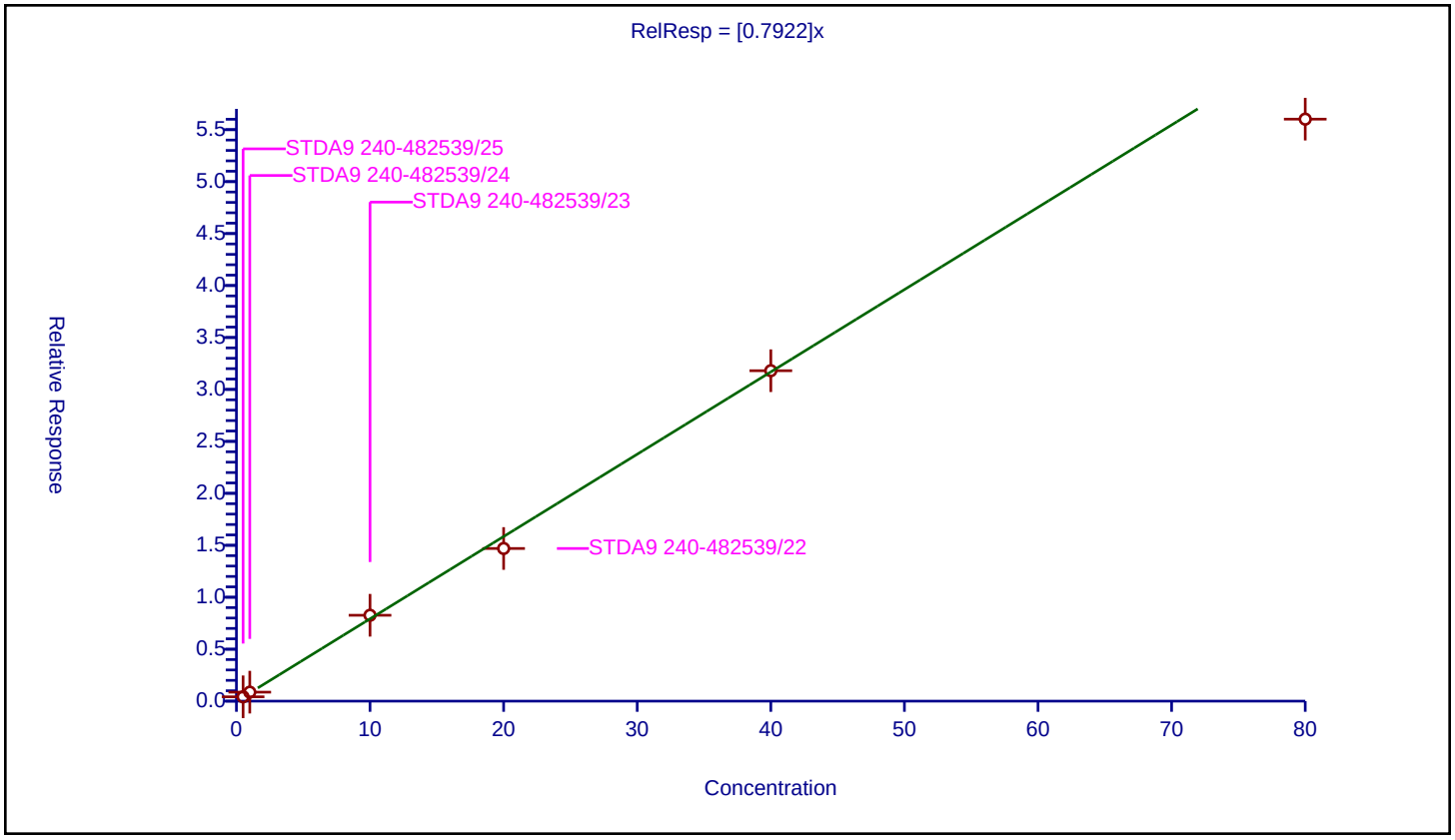
Curve Coefficients

Intercept:	0
Slope:	0.7922

Error Coefficients

Standard Error:	2270000
Relative Standard Error:	7.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-482539/25	0.5	0.416375	20.0	1077059.0	0.832749	Y
2	STDA9 240-482539/24	1.0	0.863962	20.0	1087941.0	0.863962	Y
3	STDA9 240-482539/23	10.0	8.264524	20.0	1186994.0	0.826452	Y
4	STDA9 240-482539/22	20.0	14.692673	20.0	1269739.0	0.734634	Y
5	STDA9 240-482539/21	40.0	31.802057	20.0	1395855.0	0.795051	Y
6	STDA9 240-482539/20	80.0	56.012949	20.0	1584023.0	0.700162	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

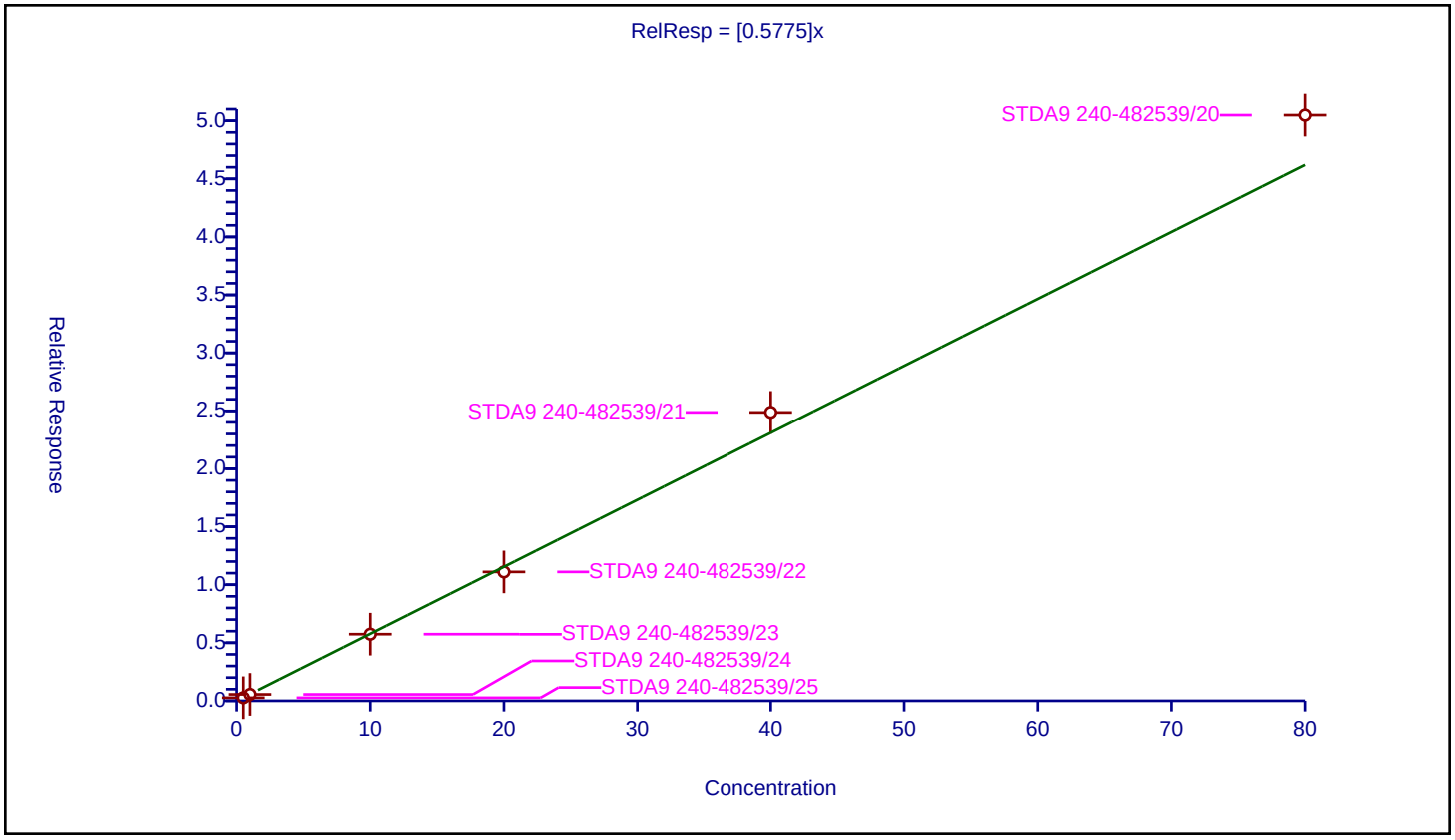
Curve Coefficients

Intercept:	0
Slope:	0.5775

Error Coefficients

Standard Error:	1980000
Relative Standard Error:	7.0
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-482539/25	0.5	0.265501	20.0	1077059.0	0.531002	Y
2	STDA9 240-482539/24	1.0	0.551905	20.0	1087941.0	0.551905	Y
3	STDA9 240-482539/23	10.0	5.741899	20.0	1186994.0	0.57419	Y
4	STDA9 240-482539/22	20.0	11.105904	20.0	1269739.0	0.555295	Y
5	STDA9 240-482539/21	40.0	24.868113	20.0	1395855.0	0.621703	Y
6	STDA9 240-482539/20	80.0	50.484406	20.0	1584023.0	0.631055	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

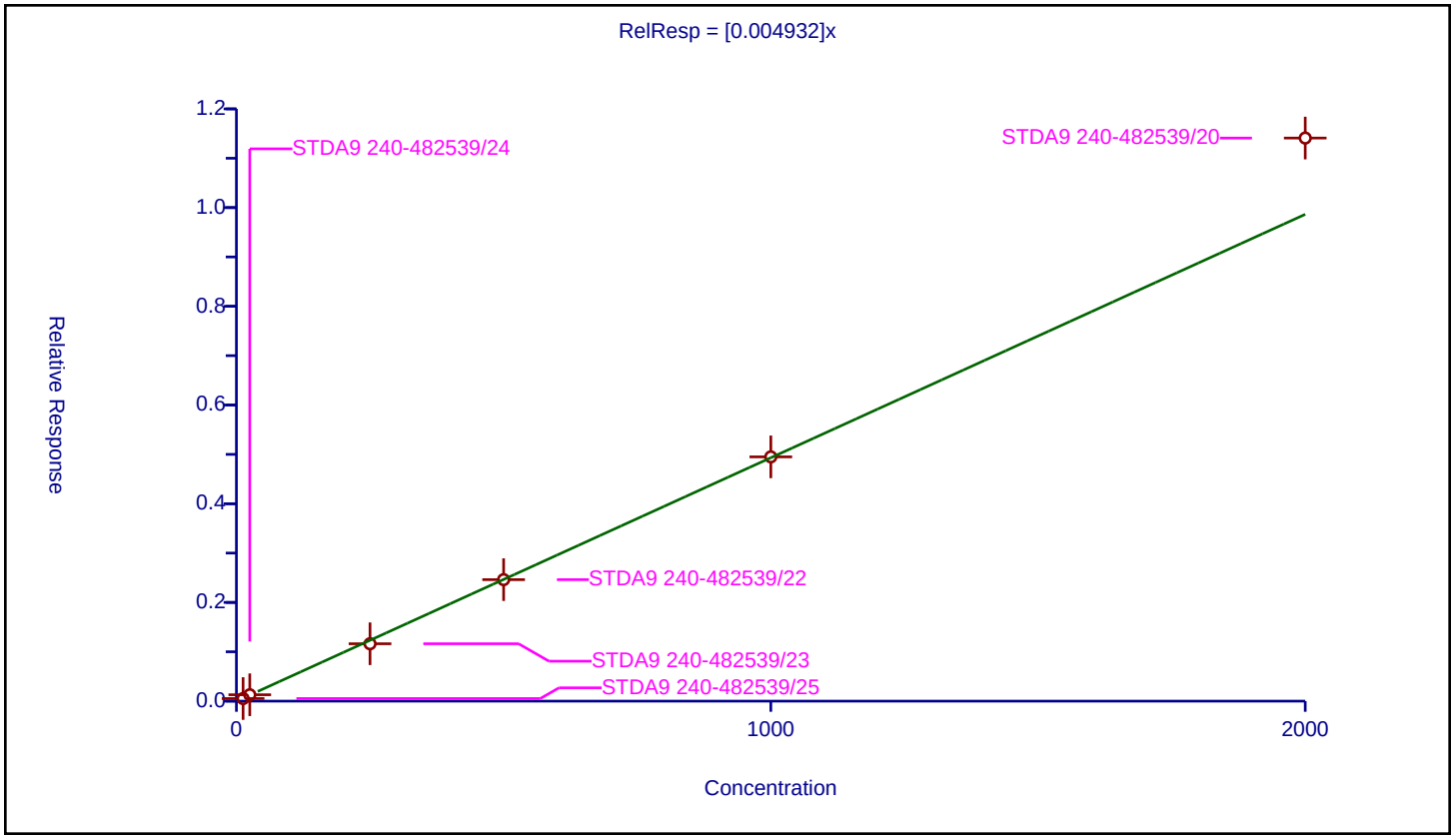
Curve Coefficients

Intercept:	0
Slope:	0.004932

Error Coefficients

Standard Error:	439000
Relative Standard Error:	10.2
Correlation Coefficient:	0.984
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-482539/25	12.5	0.052439	20.0	1077059.0	0.004195	Y
2	STDA9 240-482539/24	25.0	0.12918	20.0	1087941.0	0.005167	Y
3	STDA9 240-482539/23	250.0	1.162651	20.0	1186994.0	0.004651	Y
4	STDA9 240-482539/22	500.0	2.461829	20.0	1269739.0	0.004924	Y
5	STDA9 240-482539/21	1000.0	4.949268	20.0	1395855.0	0.004949	Y
6	STDA9 240-482539/20	2000.0	11.409014	20.0	1584023.0	0.005705	Y



Calibration / Ethyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

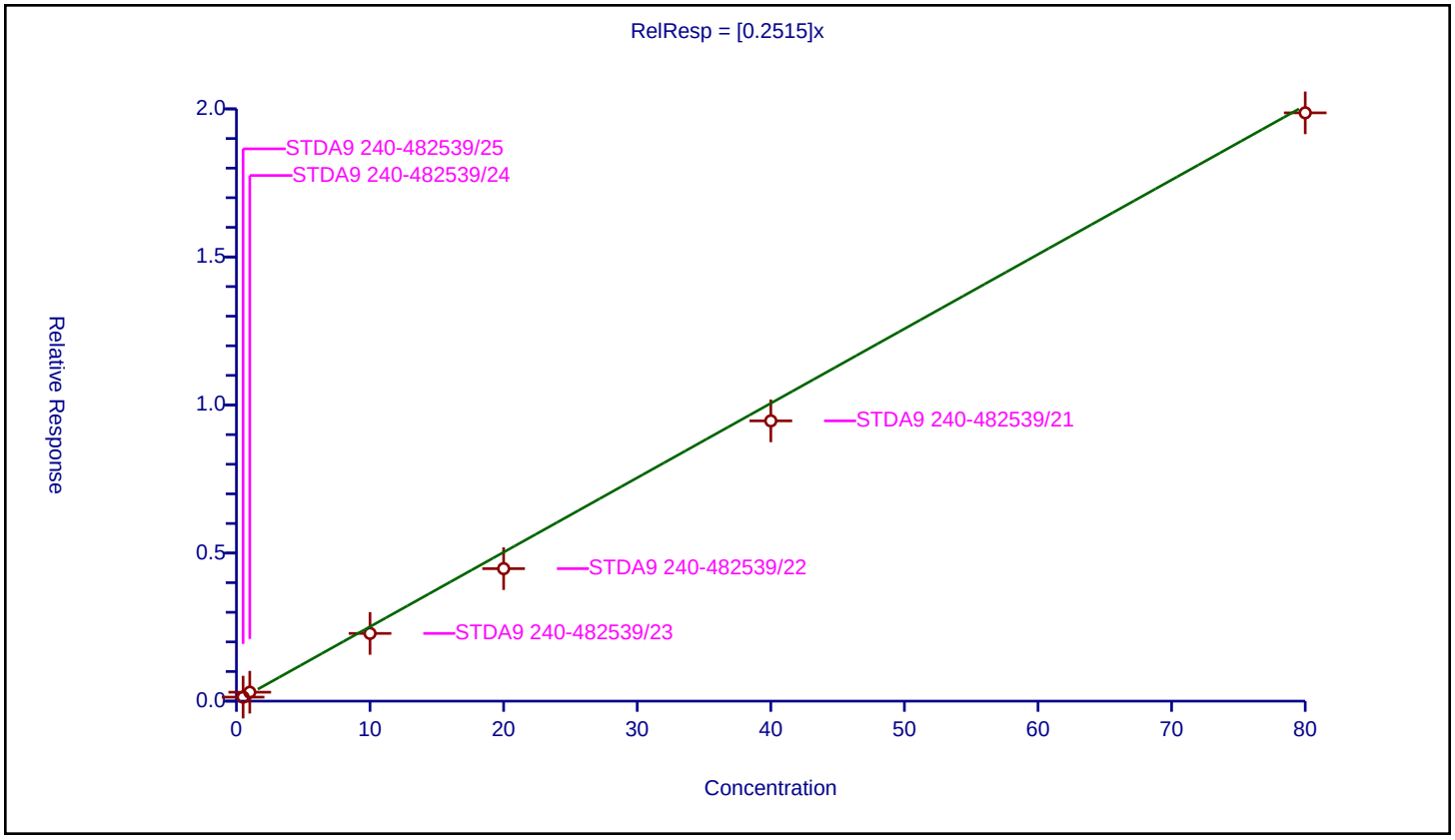
Curve Coefficients

Intercept:	0
Slope:	0.2515

Error Coefficients

Standard Error:	776000
Relative Standard Error:	11.7
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-482539/25	0.5	0.134942	20.0	1077059.0	0.269883	Y
2	STDA9 240-482539/24	1.0	0.301487	20.0	1087941.0	0.301487	Y
3	STDA9 240-482539/23	10.0	2.287156	20.0	1186994.0	0.228716	Y
4	STDA9 240-482539/22	20.0	4.473975	20.0	1269739.0	0.223699	Y
5	STDA9 240-482539/21	40.0	9.46478	20.0	1395855.0	0.236619	Y
6	STDA9 240-482539/20	80.0	19.866631	20.0	1584023.0	0.248333	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

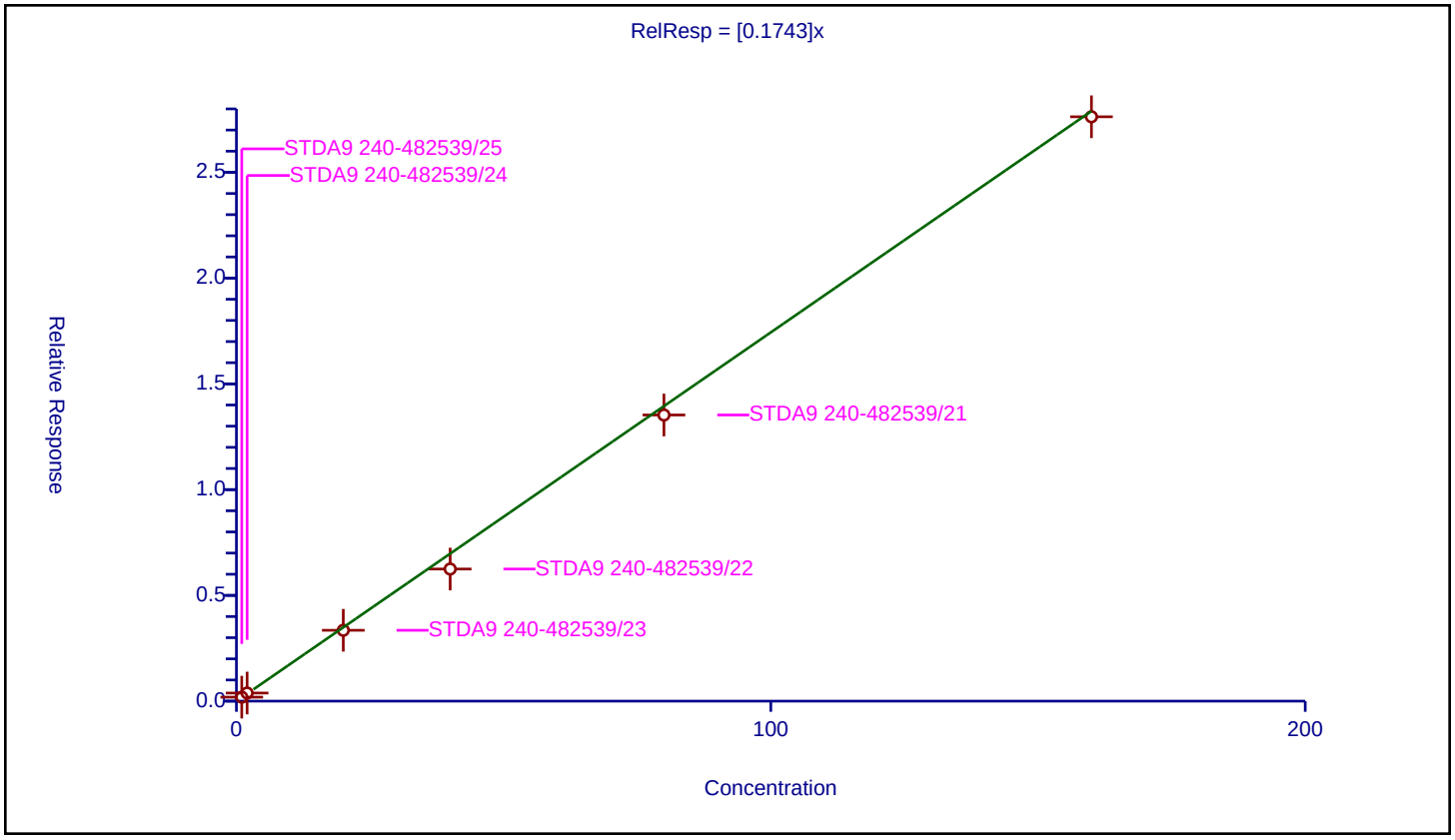
Curve Coefficients

Intercept:	0
Slope:	0.1743

Error Coefficients

Standard Error:	1080000
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	STDA9 240-482539/25	1.0	0.188773	20.0	1077059.0	0.188773	Y
2	STDA9 240-482539/24	2.0	0.383661	20.0	1087941.0	0.19183	Y
3	STDA9 240-482539/23	20.0	3.35048	20.0	1186994.0	0.167524	Y
4	STDA9 240-482539/22	40.0	6.246386	20.0	1269739.0	0.15616	Y
5	STDA9 240-482539/21	80.0	13.527752	20.0	1395855.0	0.169097	Y
6	STDA9 240-482539/20	160.0	27.627402	20.0	1584023.0	0.172671	Y



Calibration / 2-Nitropropane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

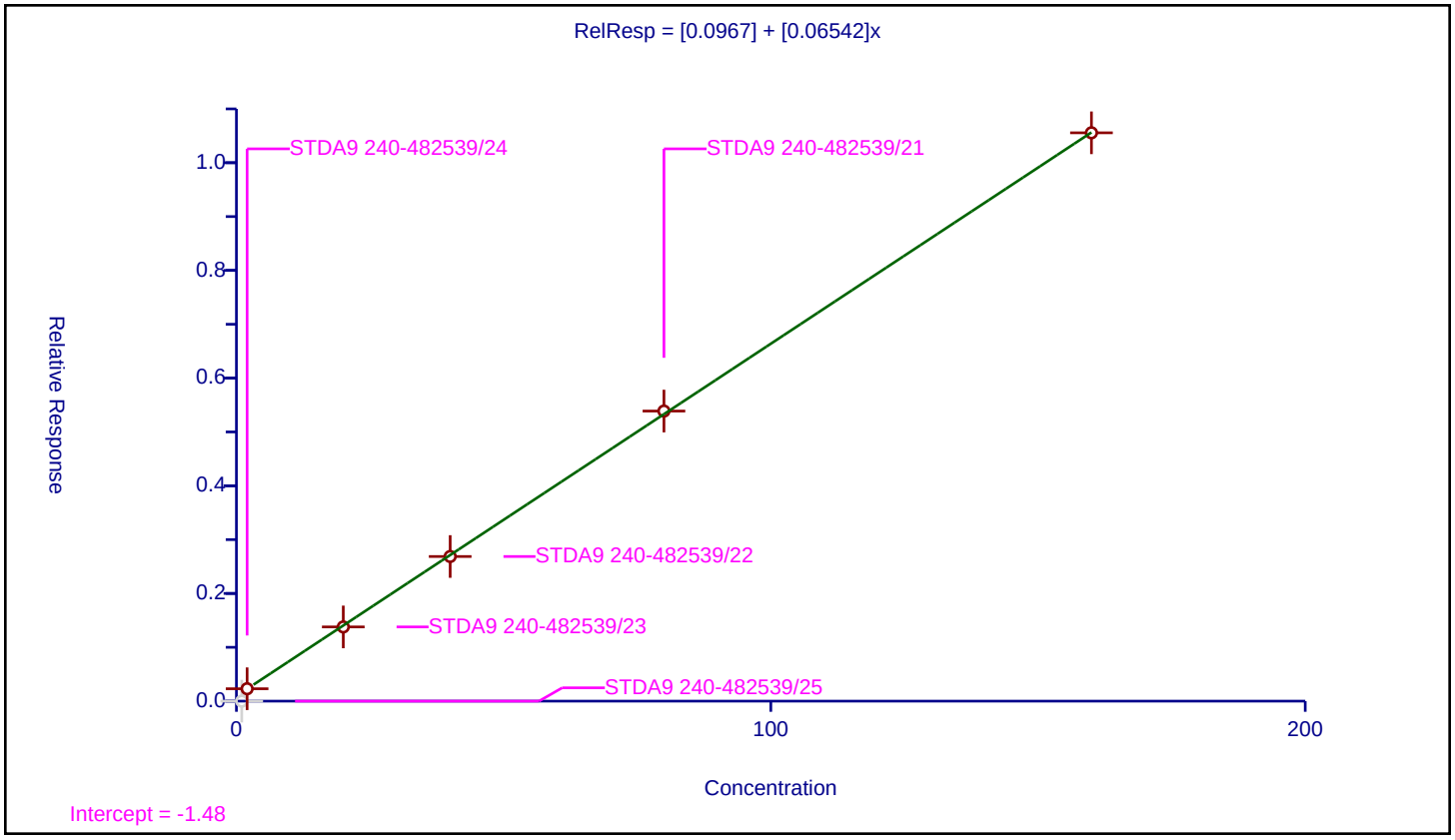
Curve Coefficients

Intercept:	0.0967
Slope:	0.06542

Error Coefficients

Standard Error:	540000
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	STDA9 240-482539/25	1.0	0.0	20.0	1077059.0	0.0	N
2	STDA9 240-482539/24	2.0	0.23016	20.0	1087941.0	0.11508	Y
3	STDA9 240-482539/23	20.0	1.378608	20.0	1186994.0	0.06893	Y
4	STDA9 240-482539/22	40.0	2.686426	20.0	1269739.0	0.067161	Y
5	STDA9 240-482539/21	80.0	5.387737	20.0	1395855.0	0.067347	Y
6	STDA9 240-482539/20	160.0	10.555983	20.0	1584023.0	0.065975	Y



Calibration / n-Butyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

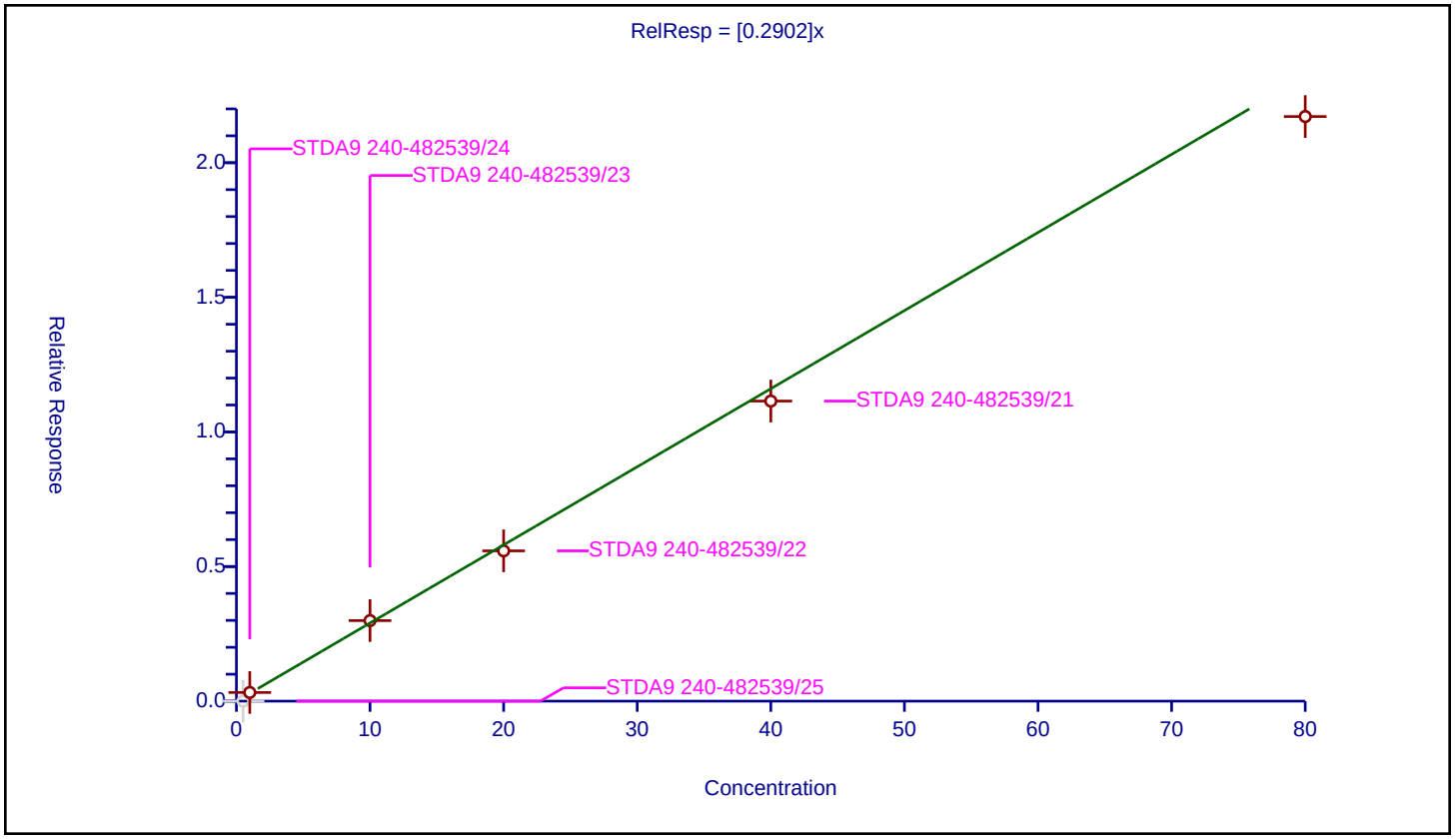
Curve Coefficients

Intercept:	0
Slope:	0.2902

Error Coefficients

Standard Error:	964000
Relative Standard Error:	7.1
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-482539/25	0.5	0.0	20.0	1077059.0	0.0	N
2	STDA9 240-482539/24	1.0	0.322297	20.0	1087941.0	0.322297	Y
3	STDA9 240-482539/23	10.0	2.992147	20.0	1186994.0	0.299215	Y
4	STDA9 240-482539/22	20.0	5.582502	20.0	1269739.0	0.279125	Y
5	STDA9 240-482539/21	40.0	11.146573	20.0	1395855.0	0.278664	Y
6	STDA9 240-482539/20	80.0	21.716074	20.0	1584023.0	0.271451	Y



Calibration / 1-Chlorohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

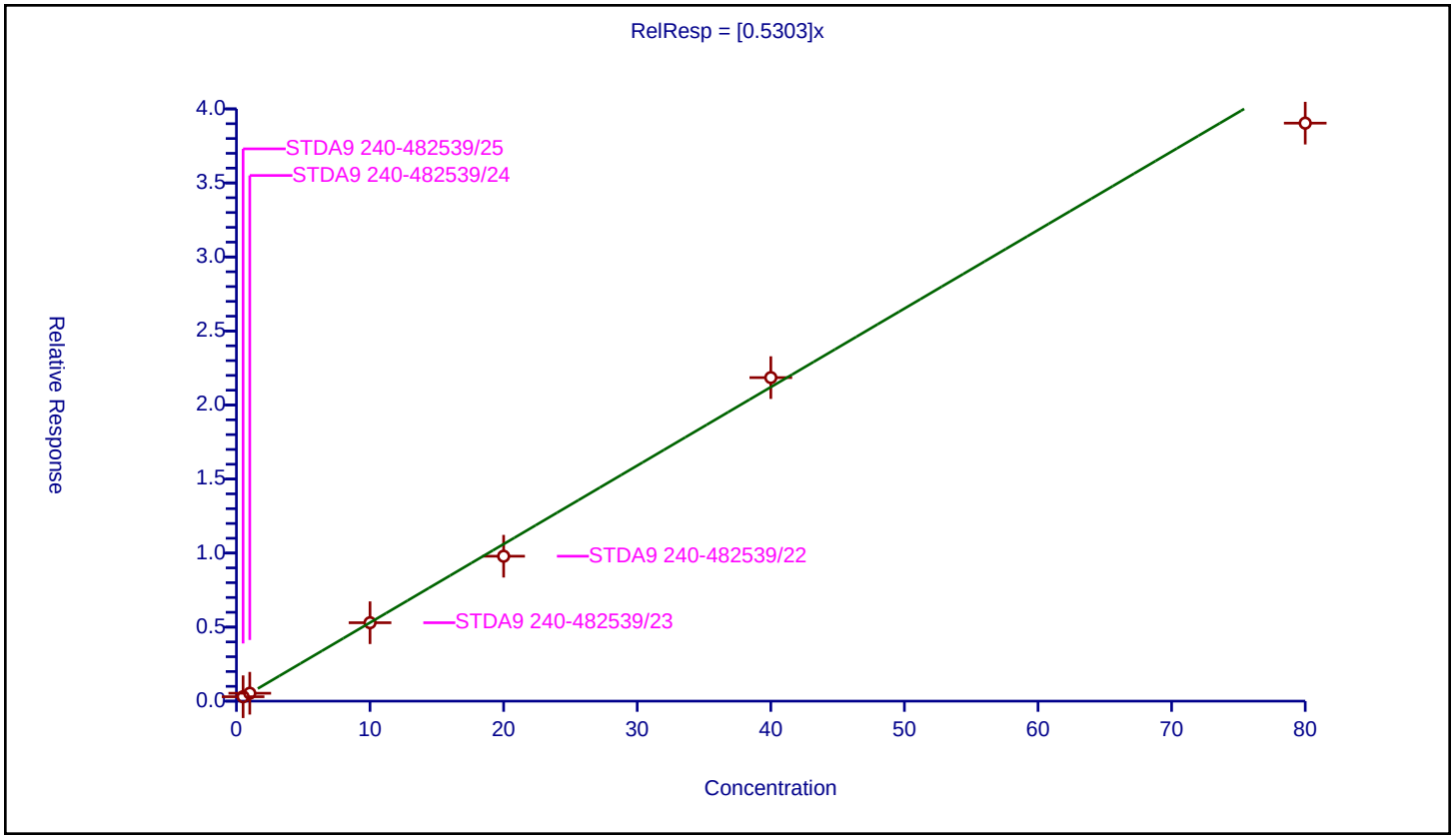
Curve Coefficients

Intercept:	0
Slope:	0.5303

Error Coefficients

Standard Error:	1150000
Relative Standard Error:	7.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-482539/25	0.5	0.297363	20.0	944637.0	0.594726	Y
2	STDA9 240-482539/24	1.0	0.533704	20.0	946330.0	0.533704	Y
3	STDA9 240-482539/23	10.0	5.296464	20.0	969326.0	0.529646	Y
4	STDA9 240-482539/22	20.0	9.788369	20.0	1000281.0	0.489418	Y
5	STDA9 240-482539/21	40.0	21.851137	20.0	1041684.0	0.546278	Y
6	STDA9 240-482539/20	80.0	39.037116	20.0	1151063.0	0.487964	Y



Calibration / Cyclohexanone

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

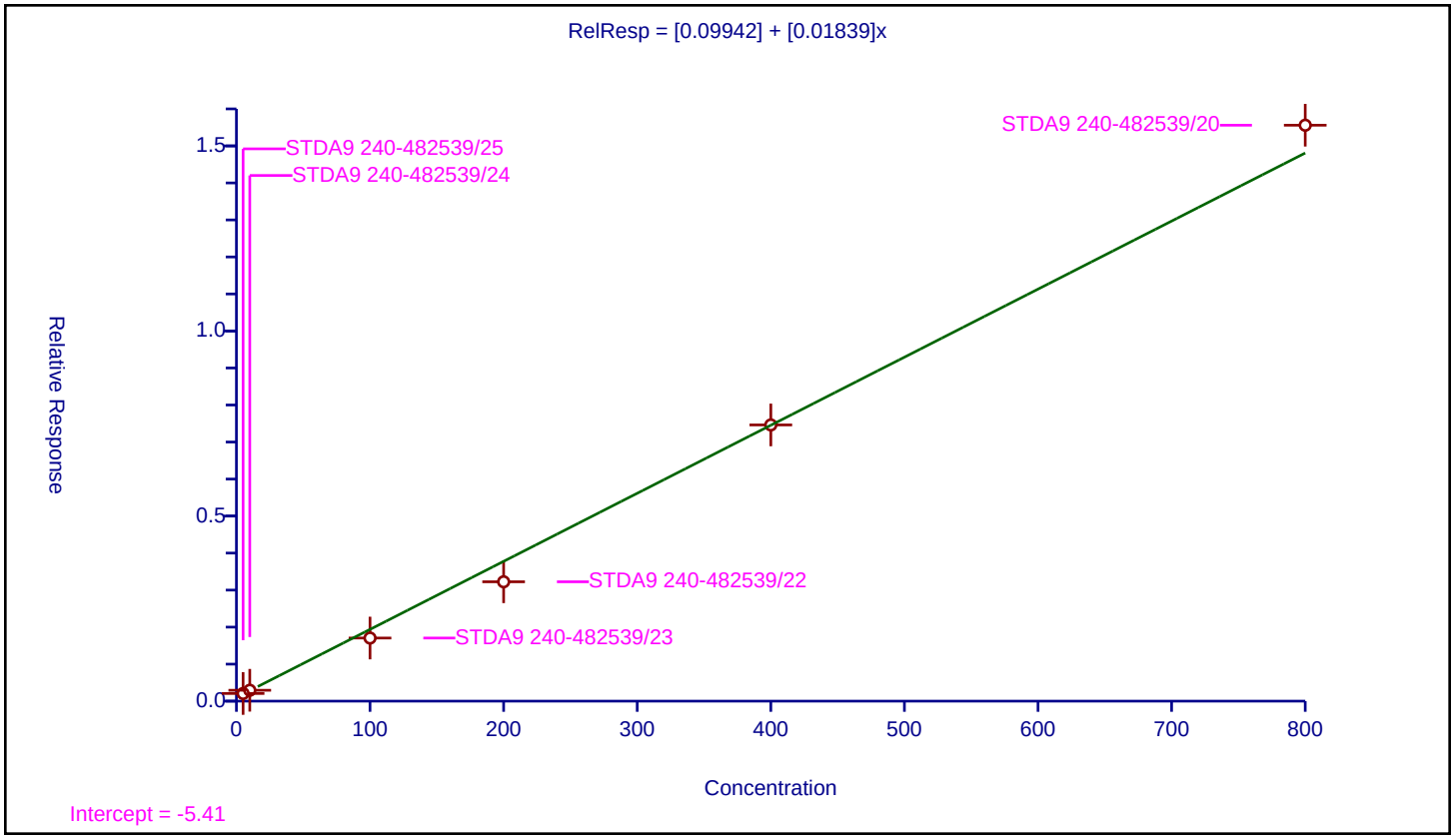
Curve Coefficients

Intercept:	0.09942
Slope:	0.01839

Error Coefficients

Standard Error:	256000
Relative Standard Error:	13.5
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-482539/25	5.0	0.206677	20.0	536296.0	0.041335	Y
2	STDA9 240-482539/24	10.0	0.293945	20.0	520505.0	0.029395	Y
3	STDA9 240-482539/23	100.0	1.704905	20.0	534763.0	0.017049	Y
4	STDA9 240-482539/22	200.0	3.224548	20.0	543363.0	0.016123	Y
5	STDA9 240-482539/21	400.0	7.462014	20.0	537769.0	0.018655	Y
6	STDA9 240-482539/20	800.0	15.558657	20.0	593262.0	0.019448	Y



Calibration / Pentachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

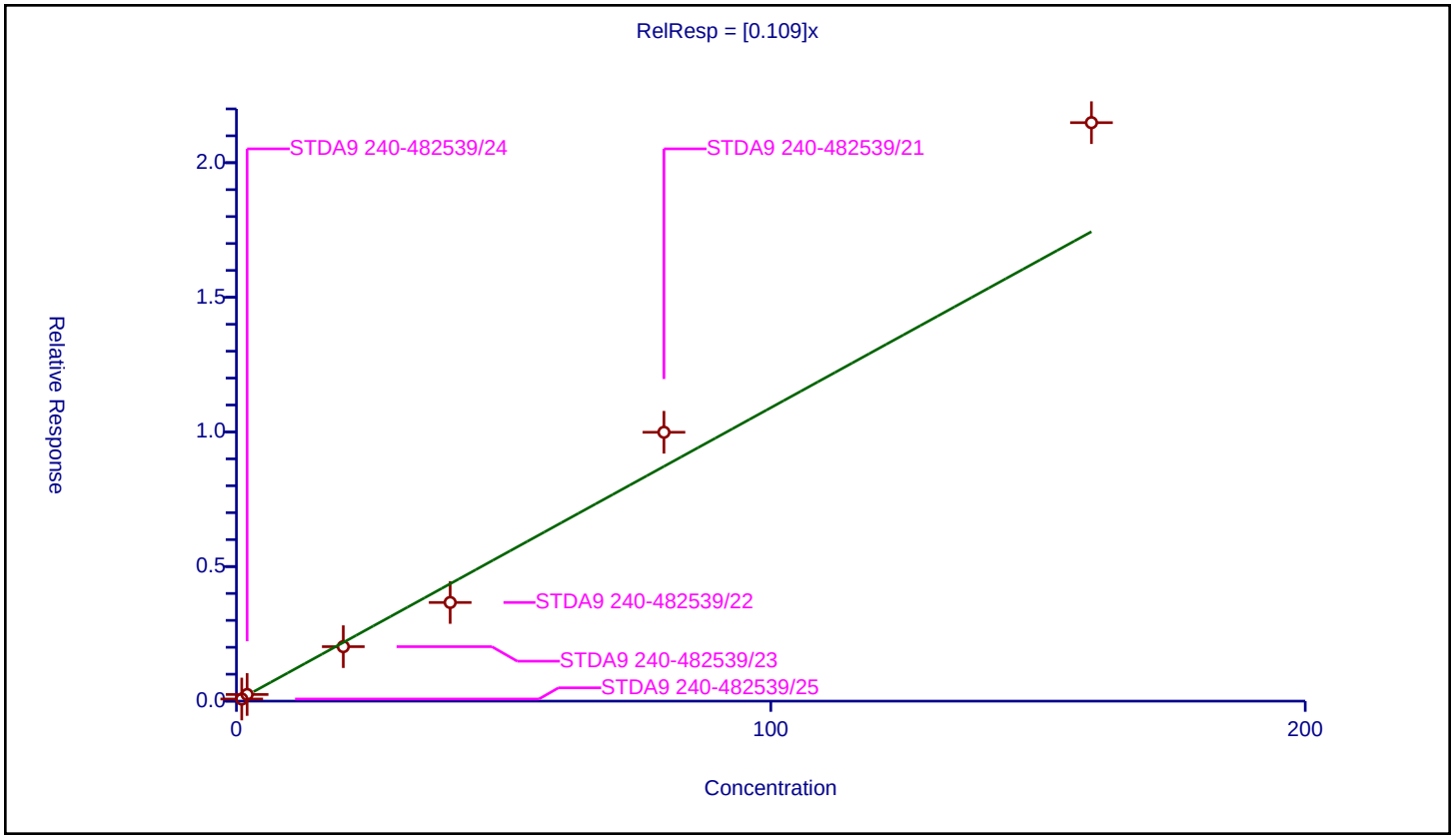
Curve Coefficients

Intercept:	0
Slope:	0.109

Error Coefficients

Standard Error:	607000
Relative Standard Error:	20.0
Correlation Coefficient:	0.987
Coefficient of Determination (Adjusted):	0.957

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-482539/25	1.0	0.078591	20.0	944637.0	0.078591	Y
2	STDA9 240-482539/24	2.0	0.246785	20.0	946330.0	0.123392	Y
3	STDA9 240-482539/23	20.0	2.02419	20.0	969326.0	0.10121	Y
4	STDA9 240-482539/22	40.0	3.66487	20.0	1000281.0	0.091622	Y
5	STDA9 240-482539/21	80.0	9.988115	20.0	1041684.0	0.124851	Y
6	STDA9 240-482539/20	160.0	21.488954	20.0	1151063.0	0.134306	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

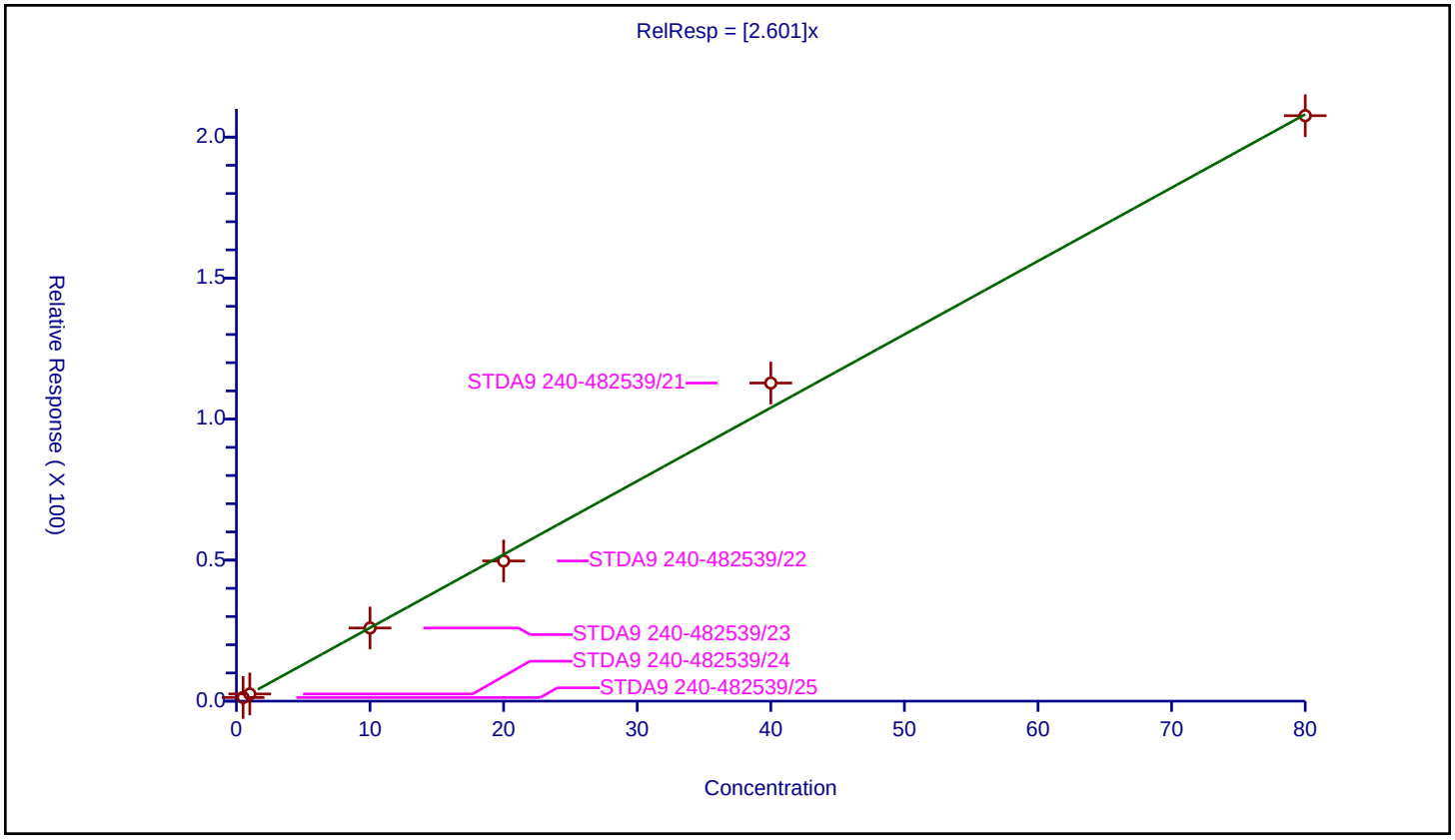
Curve Coefficients

Intercept:	0
Slope:	2.601

Error Coefficients

Standard Error:	3140000
Relative Standard Error:	4.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-482539/25	0.5	1.284626	20.0	536296.0	2.569253	Y
2	STDA9 240-482539/24	1.0	2.54134	20.0	520505.0	2.54134	Y
3	STDA9 240-482539/23	10.0	25.935751	20.0	534763.0	2.593575	Y
4	STDA9 240-482539/22	20.0	49.707948	20.0	543363.0	2.485397	Y
5	STDA9 240-482539/21	40.0	112.789767	20.0	537769.0	2.819744	Y
6	STDA9 240-482539/20	80.0	207.593879	20.0	593262.0	2.594923	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

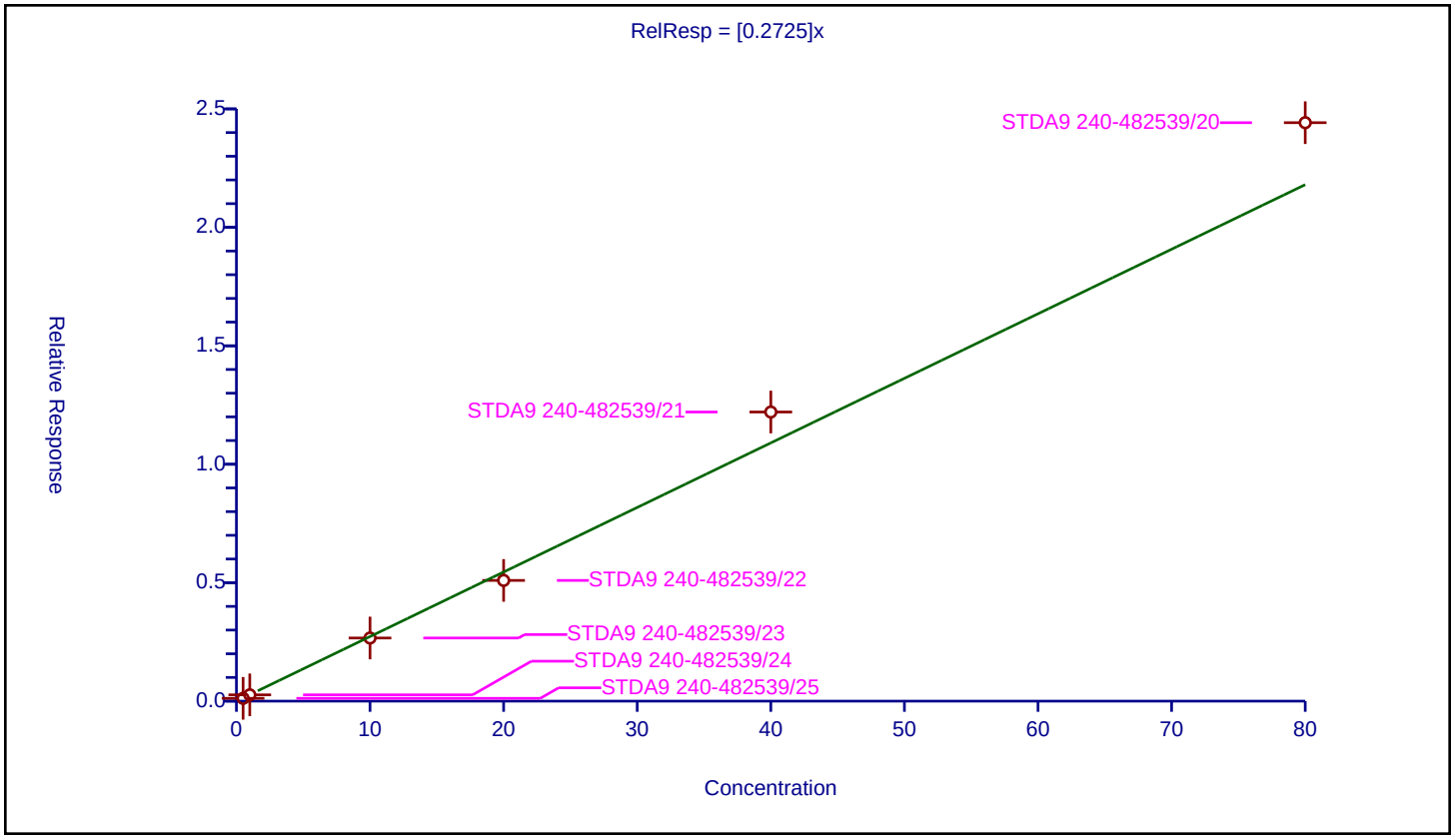
Curve Coefficients

Intercept:	0
Slope:	0.2725

Error Coefficients

Standard Error:	362000
Relative Standard Error:	10.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-482539/25	0.5	0.119039	20.0	536296.0	0.238077	Y
2	STDA9 240-482539/24	1.0	0.265396	20.0	520505.0	0.265396	Y
3	STDA9 240-482539/23	10.0	2.66533	20.0	534763.0	0.266533	Y
4	STDA9 240-482539/22	20.0	5.095489	20.0	543363.0	0.254774	Y
5	STDA9 240-482539/21	40.0	12.205129	20.0	537769.0	0.305128	Y
6	STDA9 240-482539/20	80.0	24.417441	20.0	593262.0	0.305218	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

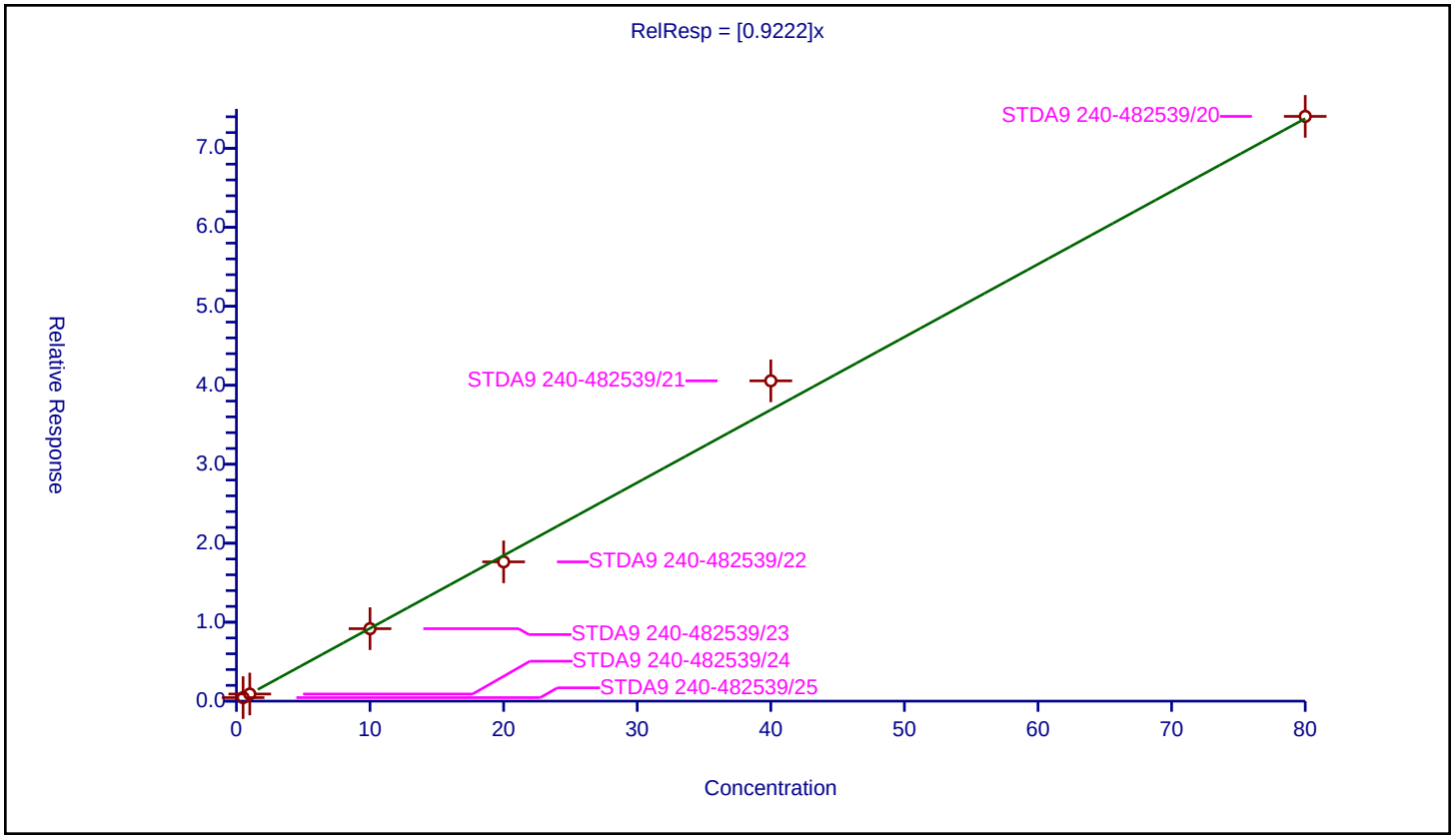
Curve Coefficients

Intercept:	0
Slope:	0.9222

Error Coefficients

Standard Error:	1120000
Relative Standard Error:	5.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-482539/25	0.5	0.446582	20.0	536296.0	0.893163	Y
2	STDA9 240-482539/24	1.0	0.900856	20.0	520505.0	0.900856	Y
3	STDA9 240-482539/23	10.0	9.176701	20.0	534763.0	0.91767	Y
4	STDA9 240-482539/22	20.0	17.636902	20.0	543363.0	0.881845	Y
5	STDA9 240-482539/21	40.0	40.56422	20.0	537769.0	1.014105	Y
6	STDA9 240-482539/20	80.0	74.051599	20.0	593262.0	0.925645	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

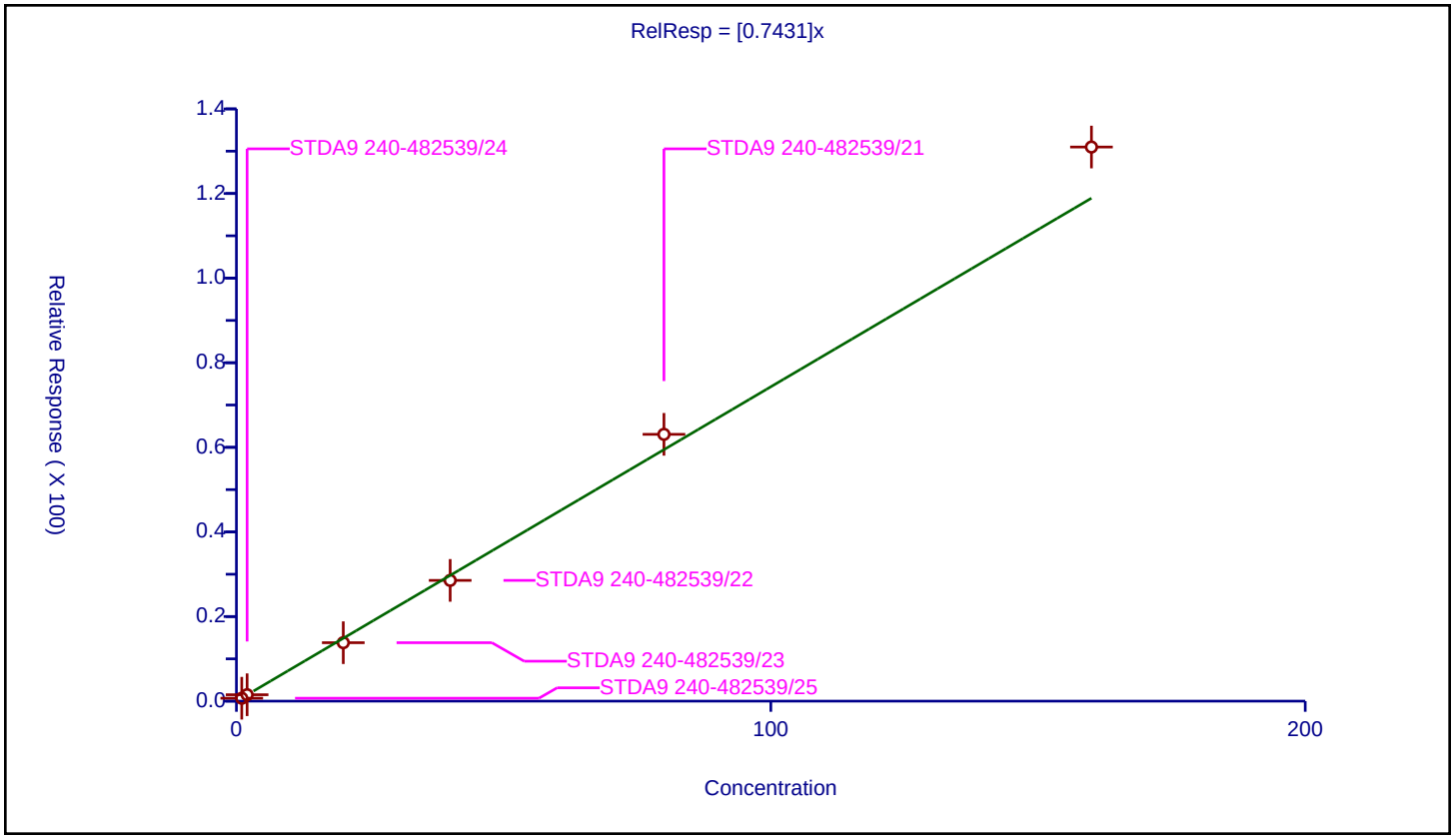
Curve Coefficients

Intercept:	0
Slope:	0.7431

Error Coefficients

Standard Error:	1930000
Relative Standard Error:	7.3
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-482539/25	1.0	0.688761	20.0	536296.0	0.688761	Y
2	STDA9 240-482539/24	2.0	1.516796	20.0	520505.0	0.758398	Y
3	STDA9 240-482539/23	20.0	13.817523	20.0	534763.0	0.690876	Y
4	STDA9 240-482539/22	40.0	28.542098	20.0	543363.0	0.713552	Y
5	STDA9 240-482539/21	80.0	63.066819	20.0	537769.0	0.788335	Y
6	STDA9 240-482539/20	160.0	130.983882	20.0	593262.0	0.818649	Y



Calibration / 1-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

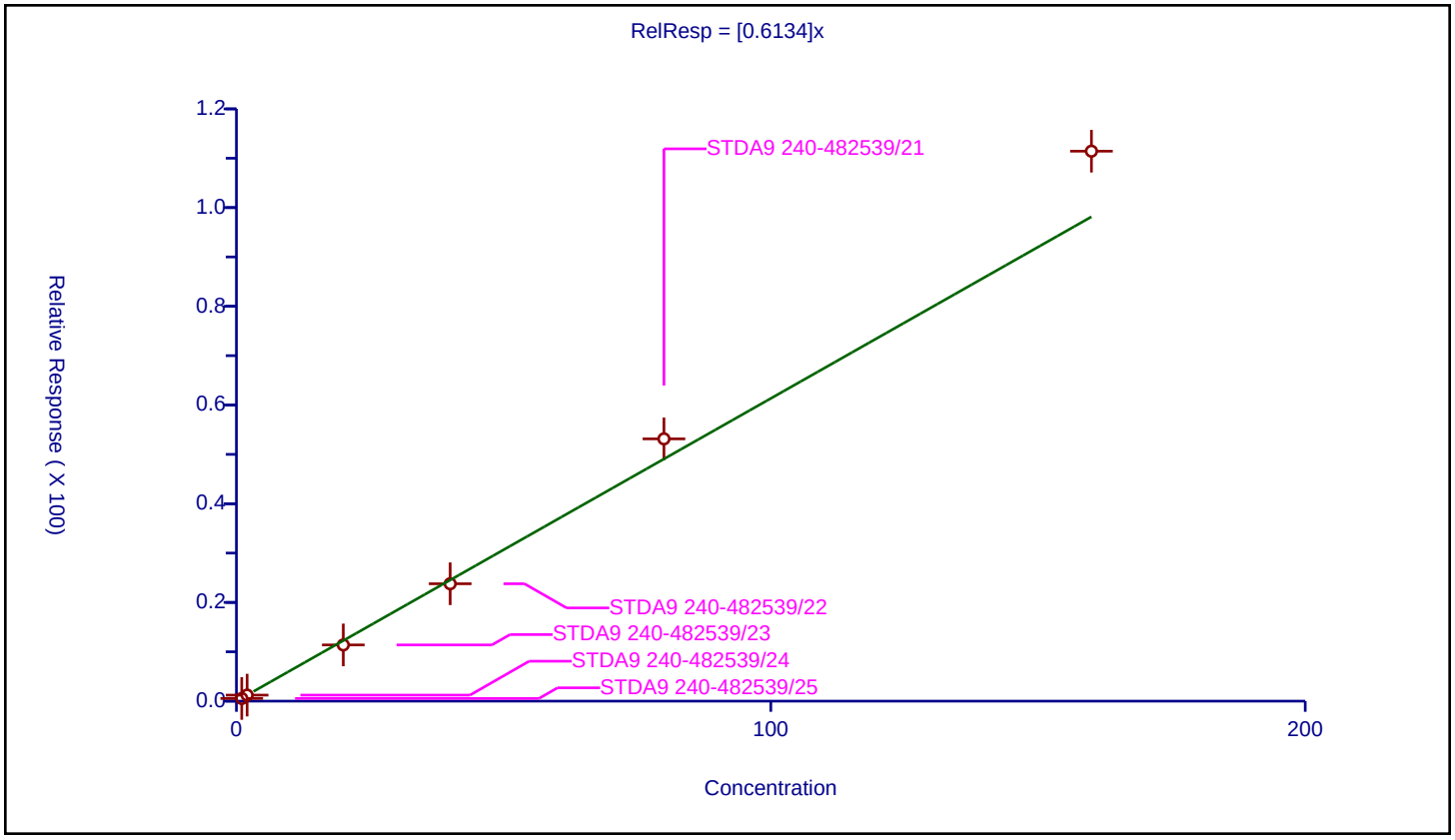
Curve Coefficients

Intercept:	0
Slope:	0.6134

Error Coefficients

Standard Error:	1640000
Relative Standard Error:	9.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-482539/25	1.0	0.543394	20.0	536296.0	0.543394	Y
2	STDA9 240-482539/24	2.0	1.224004	20.0	520505.0	0.612002	Y
3	STDA9 240-482539/23	20.0	11.389457	20.0	534763.0	0.569473	Y
4	STDA9 240-482539/22	40.0	23.78399	20.0	543363.0	0.5946	Y
5	STDA9 240-482539/21	80.0	53.139991	20.0	537769.0	0.66425	Y
6	STDA9 240-482539/20	160.0	111.429824	20.0	593262.0	0.696436	Y



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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 494428

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 14:02 Calibration End Date: 07/10/2021 16:37 Calibration ID: 61910

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-494428/16	U1922962.d
Level 2	STD8260 240-494428/15	U1922961.d
Level 3	STD8260 240-494428/14	U1922960.d
Level 4	STD8260 240-494428/13	U1922959.d
Level 5	ICIS 240-494428/12	U1922958.d
Level 6	STD8260 240-494428/11	U1922957.d
Level 7	STD8260 240-494428/10	U1922956.d
Level 8	STD8260 240-494428/9	U1922955.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	0.2817 0.2839	0.2521 0.2824	0.2252 0.2778	0.2610	0.2945	Ave		0.2698			0.1000	8.4		20.0			
Chloromethane	+++++ 0.3812	0.5042 0.3712	0.4660 0.3592	0.3986	0.3802	Ave		0.4086			0.1000	13.4		20.0			
Vinyl chloride	0.4655 0.3728	0.3685 0.3670	0.3707 0.3580	0.3875	0.3795	Ave		0.3837			0.1000	8.9		20.0			
Butadiene	+++++ 0.3491	0.4921 0.3405	0.3450 0.3461	0.3578	0.3705	Ave		0.3716				14.6		20.0			
Bromomethane	+++++ 0.2514	0.3673 0.2459	0.3409 0.2398	0.3024	0.2707	Ave		0.2884			0.0500	17.4		20.0			
Chloroethane	+++++ 0.2042	0.2668 0.1985	0.2806 0.1934	0.2408	0.2194	Ave		0.2291			0.0500	15.1		20.0			
Dichlorofluoromethane	+++++ 0.5469	0.7892 0.5371	0.6958 0.5128	0.6310	0.5932	Ave		0.6152				16.1		20.0			
Trichlorofluoromethane	0.6685 0.5454	0.5790 0.5359	0.5165 0.5314	0.5631	0.5915	Ave		0.5664			0.1000	8.5		20.0			
Ethyl ether	0.2040 0.2367	0.2110 0.2375	0.2140 0.2525	0.2084	0.2216	Ave		0.2232				7.7		20.0			
Acrolein	+++++ 0.0044	0.0118 0.0041	0.0090 0.0039	0.0062	0.0044	Ave		0.0063				48.3	*	20.0			
1,1-Dichloroethene	0.3722 0.3816	0.3557 0.3754	0.4075 0.3738	0.3693	0.3854	Ave		0.3776			0.1000	4.0		20.0			
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.2485 0.2481	0.2204 0.2409	0.2448 0.2465	0.2221	0.2515	Ave		0.2403			0.0500	5.1		20.0			
Acetone	+++++ 0.1312	0.1531 0.1361	0.1272 0.1323	0.1309	0.1231	Ave		0.1334			0.0100	7.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 494428

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 14:02 Calibration End Date: 07/10/2021 16:37 Calibration ID: 61910

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	0.4606 0.4466	0.4685 0.4482	0.4733 0.4351	0.4501	0.4448	Ave		0.4534				2.9		20.0			
Carbon disulfide	0.9995 0.7699	0.8808 0.7608	0.8829 0.7419	0.7628	0.7722	Ave		0.8214			0.1000	11.0		20.0			
Methyl acetate	0.3321 0.3040	0.3058 0.3039	0.3005 0.3011	0.2999	0.2932	Ave		0.3051			0.1000	3.8		20.0			
3-Chloro-1-propene	0.4005 0.3996	0.4143 0.3945	0.4218 0.3956	0.3963	0.3960	Ave		0.4023				2.5		20.0			
Methylene Chloride	0.3602 0.3312	0.3644 0.3226	0.3568 0.3224	0.3301	0.3261	Ave		0.3392			0.1000	5.3		20.0			
tert-Butyl alcohol	+++++ 0.0546	0.0506 0.0625	0.0539 0.0585	0.0531	0.0508	Ave		0.0549				7.8		20.0			
Acrylonitrile	0.1575 0.1511	0.1641 0.1523	0.1556 0.1509	0.1489	0.1461	Ave		0.1533				3.7		20.0			
Methyl tert-butyl ether	0.7751 0.8152	0.8694 0.7995	0.7933 0.8084	0.7949	0.7969	Ave		0.8066			0.1000	3.5		20.0			
trans-1,2-Dichloroethene	0.4100 0.3838	0.3871 0.3800	0.4032 0.3839	0.3759	0.3794	Ave		0.3879			0.1000	3.1		20.0			
Hexane	0.3675 0.3619	0.3285 0.3444	0.3423 0.3615	0.3112	0.3557	Ave		0.3466				5.5		20.0			
Vinyl acetate	0.5797 0.6652	0.6337 0.6634	0.6199 0.6715	0.6379	0.6412	Ave		0.6391				4.7		20.0			
1,1-Dichloroethane	0.4624 0.4832	0.4779 0.4670	0.4865 0.4703	0.4708	0.4770	Ave		0.4744			0.2000	1.7		20.0			
2-Butanone	0.0433 0.0590	0.0578 0.0599	0.0593 0.0586	0.0571	0.0572	Ave		0.0565			0.0100	9.6		20.0			
cis-1,2-Dichloroethene	0.3378 0.3072	0.3328 0.2961	0.3216 0.2976	0.3084	0.3031	Ave		0.3131			0.1000	5.1		20.0			
2,2-Dichloropropane	0.3329 0.3140	0.3384 0.3107	0.3420 0.3060	0.3311	0.3194	Ave		0.3243				4.2		20.0			
Bromochloromethane	0.2603 0.2416	0.2737 0.2396	0.2557 0.2396	0.2446	0.2370	Ave		0.2490				5.2		20.0			
Tetrahydrofuran	+++++ 0.1455	0.1849 0.1426	0.1562 0.1422	0.1471	0.1390	Ave		0.1511				10.5		20.0			
Chloroform	0.4913 0.4988	0.5343 0.4832	0.5076 0.4880	0.5032	0.4944	Ave		0.5001			0.2000	3.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 494428

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 14:02 Calibration End Date: 07/10/2021 16:37 Calibration ID: 61910

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	0.4335 0.4683	0.4310 0.4464	0.4542 0.4542	0.4509	0.4609	Ave		0.4499			0.1000	2.8		20.0			
Cyclohexane	0.3507 0.3887	0.3354 0.3751	0.3696 0.3871	0.3432	0.3826	Ave		0.3665			0.1000	5.7		20.0			
1,1-Dichloropropene	0.3756 0.4004	0.3628 0.3895	0.4066 0.3938	0.3844	0.3937	Ave		0.3884				3.6		20.0			
Isobutyl alcohol	0.0186 0.0213	0.0167 0.0221	0.0207 0.0226	0.0207	0.0205	Ave		0.0204				9.3		20.0			
Carbon tetrachloride	0.3934 0.4324	0.3612 0.4208	0.4077 0.4318	0.4132	0.4239	Ave		0.4105			0.1000	5.8		20.0			
Benzene	0.9920 1.0690	1.0441 1.0365	1.0740 1.0391	1.0391	1.0484	Ave		1.0428			0.5000	2.4		20.0			
1,2-Dichloroethane	0.4379 0.3998	0.3986 0.3858	0.4164 0.3915	0.4025	0.3969	Ave		0.4037			0.1000	4.1		20.0			
n-Heptane	+++++ 0.1758	+++++ 0.1620	0.4518 0.1665	0.2100	0.1906	Lin1	0.7102	0.1546				6.9			0.9990		0.9900
Trichloroethene	0.3323 0.3288	0.3433 0.3217	0.3280 0.3210	0.3203	0.3194	Ave		0.3268			0.1500	2.5		20.0			
Methylcyclohexane	0.4070 0.4418	0.3984 0.4171	0.4302 0.4454	0.3922	0.4354	Ave		0.4209			0.1000	4.8		20.0			
1,2-Dichloropropane	0.2455 0.2625	0.2699 0.2518	0.2557 0.2581	0.2493	0.2549	Ave		0.2560			0.1000	3.0		20.0			
1,4-Dioxane	+++++ 0.0055	0.0034 0.0054	0.0034 0.0053	0.0051	0.0048	Ave		0.0047				19.6		20.0			
Dibromomethane	0.2411 0.2321	0.2531 0.2267	0.2365 0.2234	0.2286	0.2288	Ave		0.2338				4.1		20.0			
Bromodichloromethane	0.3679 0.3852	0.3821 0.3745	0.3652 0.3793	0.3717	0.3641	Ave		0.3738			0.1500	2.1		20.0			
2-Chloroethyl vinyl ether	0.1793 0.2074	0.1968 0.1976	0.1885 0.1983	0.1952	0.1875	Ave		0.1938				4.4		20.0			
cis-1,3-Dichloropropene	0.4541 0.4507	0.4427 0.4373	0.4331 0.4434	0.4279	0.4263	Ave		0.4394			0.1500	2.3		20.0			
4-Methyl-2-pentanone	0.4416 0.4338	0.4317 0.4133	0.4148 0.4160	0.4250	0.4119	Ave		0.4235			0.0500	2.6		20.0			
Toluene	1.3557 1.4198	1.4762 1.3804	1.4268 1.4020	1.3999	1.4184	Ave		1.4099			0.4000	2.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 494428

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 14:02 Calibration End Date: 07/10/2021 16:37 Calibration ID: 61910

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	0.5888 0.5321	0.5604 0.5246	0.5371 0.5364	0.5199	0.5225	Ave		0.5402			0.1000	4.3		20.0			
Ethyl methacrylate	0.4229 0.4925	0.4965 0.4819	0.4644 0.4968	0.4771	0.4834	Ave		0.4769				5.1		20.0			
1,1,2-Trichloroethane	0.2724 0.3061	0.3115 0.2944	0.3041 0.3032	0.3041	0.2991	Ave		0.2994			0.1000	4.0		20.0			
Tetrachloroethene	0.4404 0.4242	0.4167 0.4152	0.4201 0.4193	0.4055	0.4236	Ave		0.4206			0.1500	2.4		20.0			
1,3-Dichloropropane	0.5039 0.5211	0.5200 0.5048	0.5202 0.5169	0.5127	0.5061	Ave		0.5132				1.4		20.0			
2-Hexanone	0.4544 0.4041	0.4666 0.3912	0.4128 0.3872	0.4193	0.4024	Ave		0.4173			0.0500	6.9		20.0			
Dibromochloromethane	0.3508 0.3864	0.3787 0.3786	0.3614 0.3892	0.3678	0.3748	Ave		0.3735				3.4		20.0			
1,2-Dibromoethane	0.3720 0.3472	0.3643 0.3379	0.3439 0.3428	0.3517	0.3452	Ave		0.3506				3.3		20.0			
Chlorobenzene	0.9545 0.9298	0.9722 0.9017	0.9322 0.9202	0.9077	0.9218	Ave		0.9300			0.3000	2.5		20.0			
1,1,1,2-Tetrachloroethane	0.3667 0.3703	0.3664 0.3649	0.3547 0.3753	0.3544	0.3627	Ave		0.3644				2.0		20.0			
Ethylbenzene	0.4885 0.5178	0.5203 0.5013	0.4954 0.5148	0.4973	0.5062	Ave		0.5052				2.3		20.0			
m-Xylene & p-Xylene	0.6150 0.6285	0.6023 0.6096	0.6139 0.6218	0.6087	0.6157	Ave		0.6144				1.3		20.0			
o-Xylene	0.5676 0.6114	0.6080 0.6028	0.5871 0.6181	0.5975	0.6066	Ave		0.5999				2.7		20.0			
Styrene	0.9048 1.0039	0.9631 0.9982	0.9591 1.0249	0.9719	0.9725	Ave		0.9748			0.3000	3.7		20.0			
Bromoform	0.2840 0.3154	0.2873 0.3174	0.2928 0.3260	0.2915	0.3029	Ave		0.3022			0.1000	5.2		20.0			
Isopropylbenzene	1.5379 1.5679	1.4813 1.5367	1.4782 1.5818	1.5140	1.5882	Ave		1.5357			0.1000	2.8		20.0			
1,1,2,2-Tetrachloroethane	0.8900 0.8353	0.8617 0.8077	0.9036 0.7992	0.8854	0.8468	Ave		0.8537			0.3000	4.5		20.0			
trans-1,4-Dichloro-2-butene	0.3973 0.3008	0.4182 0.2865	0.3412 0.2835	0.3259	0.2969	Ave		0.3313				15.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 494428

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 14:02 Calibration End Date: 07/10/2021 16:37 Calibration ID: 61910

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								
Bromobenzene	0.8197 0.7538	0.8136 0.7257	0.7439 0.7215	0.7790	0.7423	Ave		0.7625				5.0		20.0			
1,2,3-Trichloropropane	0.3165 0.3057	0.3492 0.2918	0.3148 0.2897	0.3188	0.3043	Ave		0.3113				6.0		20.0			
n-Propylbenzene	0.7736 0.7843	0.7902 0.7564	0.7827 0.7468	0.7805	0.7815	Ave		0.7745				1.9		20.0			
2-Chlorotoluene	0.6506 0.6736	0.7124 0.6528	0.6606 0.6498	0.6923	0.6760	Ave		0.6710				3.3		20.0			
1,3,5-Trimethylbenzene	2.2730 2.2333	2.2838 2.1982	2.2129 2.1896	2.2789	2.2869	Ave		2.2446				1.8		20.0			
4-Chlorotoluene	0.8058 0.6950	0.7563 0.6724	0.7090 0.6745	0.7100	0.6896	Ave		0.7141				6.4		20.0			
tert-Butylbenzene	1.9275 1.9703	1.9913 1.9312	1.9322 1.9312	1.9510	1.9983	Ave		1.9541				1.5		20.0			
1,2,4-Trimethylbenzene	2.2751 2.2832	2.3371 2.2310	2.2780 2.2389	2.3167	2.3014	Ave		2.2827				1.6		20.0			
sec-Butylbenzene	2.8454 2.7296	2.6952 2.6527	2.6856 2.6851	2.7116	2.7975	Ave		2.7253				2.4		20.0			
1,3-Dichlorobenzene	1.5187 1.3661	1.5346 1.3301	1.4180 1.3518	1.4114	1.3754	Ave		1.4133			0.6000	5.4		20.0			
p-Isopropyltoluene	2.4705 2.4028	2.4337 2.3641	2.3991 2.4069	2.3759	2.4607	Ave		2.4142				1.6		20.0			
1,4-Dichlorobenzene	1.6275 1.3893	1.6042 1.3388	1.4275 1.3520	1.4456	1.3746	Ave		1.4449			0.5000	7.7		20.0			
n-Butylbenzene	2.2420 2.0298	2.1711 1.9662	2.0649 1.9584	2.0404	2.0974	Ave		2.0713				4.7		20.0			
1,2-Dichlorobenzene	1.4622 1.3068	1.4547 1.2677	1.3848 1.2637	1.3300	1.2990	Ave		1.3461			0.4000	5.9		20.0			
1,2-Dibromo-3-Chloropropane	0.2762 0.3015	0.2858 0.2953	0.2926 0.2954	0.2935	0.2985	Ave		0.2923			0.0500	2.7		20.0			
1,2,4-Trichlorobenzene	1.1391 0.8418	1.1161 0.8357	0.9454 0.8195	0.8821	0.8766	Ave		0.9320			0.2000	13.6		20.0			
Hexachlorobutadiene	0.4861 0.3472	0.4281 0.3379	0.4281 0.3226	0.3653	0.3710	Ave		0.3858				14.6		20.0			
Naphthalene	3.2342 2.8502	3.5301 2.7766	3.1594 2.6954	3.0297	2.9914	Ave		3.0334				9.0		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.: 240-152946-1 Analy Batch No.: 494428

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 14:02 Calibration End Date: 07/10/2021 16:37 Calibration ID: 61910

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	1.0437 0.7974	1.0071 0.8035	0.9101 0.7938	0.8498	0.8266	Ave		0.8790				11.2		20.0			
Dibromofluoromethane (Surr)	0.2827 0.2824	0.3005 0.2795	0.2900 0.2768	0.2735	0.2821	Ave		0.2834				3.0		20.0			
1,2-Dichloroethane-d4 (Surr)	+++++ 0.3243	0.3785 0.3210	0.3632 0.3193	0.3237	0.3236	Ave		0.3362				7.2		20.0			
Toluene-d8 (Surr)	1.2683 1.1876	1.2861 1.1723	1.2117 1.1754	1.1730	1.1984	Ave		1.2091				3.7		20.0			
4-Bromofluorobenzene (Surr)	+++++ 0.4316	0.5064 0.4259	0.4633 0.4323	0.4275	0.4334	Ave		0.4458				6.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 494428

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 14:02 Calibration End Date: 07/10/2021 16:37 Calibration ID: 61910

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-494428/16	U1922962.d
Level 2	STD8260 240-494428/15	U1922961.d
Level 3	STD8260 240-494428/14	U1922960.d
Level 4	STD8260 240-494428/13	U1922959.d
Level 5	ICIS 240-494428/12	U1922958.d
Level 6	STD8260 240-494428/11	U1922957.d
Level 7	STD8260 240-494428/10	U1922956.d
Level 8	STD8260 240-494428/9	U1922955.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	5750 532050	10544 807349	24153 1047409	115743	267630	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Chloromethane	FB	Ave	+++++ 714416	21087 1061104	49979 1353984	176777	345557	+++++ 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Vinyl chloride	FB	Ave	9501 698646	15410 1049221	39763 1349641	171859	344892	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Butadiene	FB	Ave	+++++ 654262	20582 973459	36999 1304814	158679	336785	+++++ 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Bromomethane	FB	Ave	+++++ 471159	15361 702965	36564 903962	134131	246065	+++++ 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Chloroethane	FB	Ave	+++++ 382695	11158 567304	30100 729239	106813	199379	+++++ 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Dichlorofluoromethane	FB	Ave	+++++ 1024872	33008 1535457	74632 1932970	279876	539148	+++++ 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Trichlorofluoromethane	FB	Ave	13644 1022123	24216 1531882	55396 2003452	249773	537625	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Ethyl ether	FB	Ave	4163 443537	8825 678859	22954 951749	92443	201423	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Acrolein	FB	Ave	+++++ 40864	2461 59184	4823 73463	13669	20199	+++++ 200	5.00 300	12.5 400	50.0	100
1,1-Dichloroethene	FB	Ave	7597 715079	14876 1073174	43701 1409329	163797	350276	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	FB	Ave	5072 464852	9217 688530	26256 929255	98515	228592	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Acetone	FB	Ave	+++++	12809	27275	116098	223765	+++++	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.: 240-152946-1 Analy Batch No.: 494428

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 14:02 Calibration End Date: 07/10/2021 16:37 Calibration ID: 61910

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
			491730	777975	997665			80.0	120	160		
Iodomethane	FB	Ave	9402 837001	19594 1281344	50766 1640111	199646	404238	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Carbon disulfide	FB	Ave	20401 1442843	36837 2174818	94698 2796907	338342	701839	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Methyl acetate	FB	Ave	13559 1139507	25583 1737562	64461 2270302	266056	533065	1.00 80.0	2.00 120	5.00 160	20.0	40.0
3-Chloro-1-propene	FB	Ave	8174 748933	17326 1127642	45241 1491330	175758	359924	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Methylene Chloride	FB	Ave	7352 620639	15240 922146	38270 1215336	146388	296434	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
tert-Butyl alcohol	FB	Ave	+++++ 1023856	21173 1785355	57847 2204945	235584	461533	+++++ 400	10.0 600	25.0 800	100	200
Acrylonitrile	FB	Ave	32142 2831639	68615 4354425	166896 5687741	660220	1327892	5.00 400	10.0 600	25.0 800	100	200
Methyl tert-butyl ether	FB	Ave	15821 1527692	36360 2285605	85088 3047678	352543	724266	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
trans-1,2-Dichloroethene	FB	Ave	8368 719335	16190 1086230	43243 1447373	166739	344796	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Hexane	FB	Ave	7501 678236	13738 984491	36716 1362956	138032	323326	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Vinyl acetate	FB	Ave	11833 1246600	26503 1896337	66486 2531422	282922	582754	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,1-Dichloroethane	FB	Ave	9438 905437	19989 1335072	52181 1772751	208796	433587	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
2-Butanone	FB	Ave	1767 220970	4838 342426	12730 441570	50659	103960	1.00 80.0	2.00 120	5.00 160	20.0	40.0
cis-1,2-Dichloroethene	FB	Ave	6894 575676	13918 846334	34489 1121873	136783	275451	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
2,2-Dichloropropane	FB	Ave	6794 588378	14152 888236	36681 1153379	146838	290345	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Bromochloromethane	FB	Ave	5314 452819	11448 685030	27420 903325	108484	215401	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Tetrahydrofuran	FB	Ave	+++++ 545173	15470 815348	33502 1072246	130453	252720	+++++ 80.0	2.00 120	5.00 160	20.0	40.0
Chloroform	FB	Ave	10028	22346	54439	223173	449341	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.: 240-152946-1 Analy Batch No.: 494428

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 14:02 Calibration End Date: 07/10/2021 16:37 Calibration ID: 61910

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
			934762	1381259	1839628			40.0	60.0	80.0		
1,1,1-Trichloroethane	FB	Ave	8848 877580	18024 1276174	48715 1712382	199996	418905	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Cyclohexane	FB	Ave	7158 728343	14028 1072252	39644 1459100	152214	347766	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,1-Dichloropropene	FB	Ave	7666 750322	15175 1113586	43613 1484375	170497	357821	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Isobutyl alcohol	FB	Ave	9495 998922	17494 1576451	55528 2130077	229227	464929	12.5 1000	25.0 1500	62.5 2000	250	500
Carbon tetrachloride	FB	Ave	8030 810280	15105 1202992	43726 1627938	183252	385278	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Benzene	FB	Ave	20249 2003230	43667 2963085	115189 3917149	460853	952903	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,2-Dichloroethane	FB	Ave	8938 749297	16671 1102747	44665 1475760	178516	360698	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
n-Heptane	FB	Lin1	+++++ 329417	+++++ 463217	48458 627661	93124	173275	+++++ 40.0	+++++ 60.0	2.50 80.0	10.0	20.0
Trichloroethene	FB	Ave	6782 616198	14359 919622	35179 1209926	142073	290279	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Methylcyclohexane	FB	Ave	8307 827997	16661 1192345	46144 1679100	173955	395716	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,2-Dichloropropane	FB	Ave	5010 491864	11288 719856	27420 973150	110587	231719	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,4-Dioxane	FB	Ave	+++++ 205334	2823 309931	7289 397399	44929	87849	+++++ 800	20.0 1200	50.0 1600	200	400
Dibromomethane	FB	Ave	4922 434983	10584 648028	25370 842017	101387	207940	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Bromodichloromethane	FB	Ave	7510 721776	15980 1070608	39169 1430067	164877	330939	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
2-Chloroethyl vinyl ether	FB	Ave	7319 777211	16462 1129957	40443 1495153	173149	340785	1.00 80.0	2.00 120	5.00 160	20.0	40.0
cis-1,3-Dichloropropene	FB	Ave	9268 844591	18514 1250146	46447 1671489	189799	387475	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
4-Methyl-2-pentanone	FB	Ave	18027 1625903	36112 2362866	88969 3136460	377036	748704	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.: 240-152946-1 Analy Batch No.: 494428

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 14:02 Calibration End Date: 07/10/2021 16:37 Calibration ID: 61910

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	21334	48630	118867	487933	993531	0.500	1.00	2.50	10.0	20.0
			2152899	3187300	4227308			40.0	60.0	80.0		
trans-1,3-Dichloropropene	CBNZ d5	Ave	9266	18461	44751	181190	365958	0.500	1.00	2.50	10.0	20.0
			806832	1211369	1617165			40.0	60.0	80.0		
Ethyl methacrylate	CBNZ d5	Ave	6655	16356	38687	166306	338599	0.500	1.00	2.50	10.0	20.0
			746867	1112771	1497991			40.0	60.0	80.0		
1,1,2-Trichloroethane	CBNZ d5	Ave	4287	10262	25339	105995	209486	0.500	1.00	2.50	10.0	20.0
			464127	679764	914203			40.0	60.0	80.0		
Tetrachloroethene	CBNZ d5	Ave	6931	13727	34999	141323	296702	0.500	1.00	2.50	10.0	20.0
			643199	958711	1264325			40.0	60.0	80.0		
1,3-Dichloropropane	CBNZ d5	Ave	7929	17129	43337	178685	354517	0.500	1.00	2.50	10.0	20.0
			790169	1165628	1558621			40.0	60.0	80.0		
2-Hexanone	CBNZ d5	Ave	14302	30746	68781	292281	563737	1.00	2.00	5.00	20.0	40.0
			1225521	1806488	2334847			80.0	120	160		
Dibromochloromethane	CBNZ d5	Ave	5521	12476	30106	128205	262505	0.500	1.00	2.50	10.0	20.0
			585998	874165	1173381			40.0	60.0	80.0		
1,2-Dibromoethane	CBNZ d5	Ave	5854	12002	28649	122569	241775	0.500	1.00	2.50	10.0	20.0
			526430	780237	1033720			40.0	60.0	80.0		
Chlorobenzene	CBNZ d5	Ave	15021	32027	77664	316355	645666	0.500	1.00	2.50	10.0	20.0
			1409871	2081943	2774456			40.0	60.0	80.0		
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	5770	12069	29554	123525	254071	0.500	1.00	2.50	10.0	20.0
			561579	842483	1131494			40.0	60.0	80.0		
Ethylbenzene	CBNZ d5	Ave	7687	17140	41274	173336	354567	0.500	1.00	2.50	10.0	20.0
			785169	1157399	1552177			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.: 240-152946-1 Analy Batch No.: 494428

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 14:02 Calibration End Date: 07/10/2021 16:37 Calibration ID: 61910

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	9677	19841	51150	212168	431244	0.500	1.00	2.50	10.0	20.0
			953003	1407633	1874916			40.0	60.0	80.0		
o-Xylene	CBNZ d5	Ave	8932	20031	48910	208266	424900	0.500	1.00	2.50	10.0	20.0
			927084	1391852	1863524			40.0	60.0	80.0		
Styrene	CBNZ d5	Ave	14238	31727	79907	338753	681228	0.500	1.00	2.50	10.0	20.0
			1522324	2304871	3090091			40.0	60.0	80.0		
Bromoform	CBNZ d5	Ave	4469	9463	24390	101586	212142	0.500	1.00	2.50	10.0	20.0
			478318	732968	982992			40.0	60.0	80.0		
Isopropylbenzene	CBNZ d5	Ave	24201	48800	123153	527697	1112459	0.500	1.00	2.50	10.0	20.0
			2377564	3548174	4769258			40.0	60.0	80.0		
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	7537	15507	41335	166611	331646	0.500	1.00	2.50	10.0	20.0
			719630	1075106	1439466			40.0	60.0	80.0		
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	3365	7526	15607	61330	116299	0.500	1.00	2.50	10.0	20.0
			259160	381422	510567			40.0	60.0	80.0		
Bromobenzene	DCBd 4	Ave	6942	14640	34030	146598	290746	0.500	1.00	2.50	10.0	20.0
			649460	965988	1299489			40.0	60.0	80.0		
1,2,3-Trichloropropane	DCBd 4	Ave	2680	6283	14399	59989	119195	0.500	1.00	2.50	10.0	20.0
			263359	388362	521720			40.0	60.0	80.0		
n-Propylbenzene	DCBd 4	Ave	6551	14219	35801	146878	306093	0.500	1.00	2.50	10.0	20.0
			675727	1006857	1345021			40.0	60.0	80.0		
2-Chlorotoluene	DCBd 4	Ave	5510	12820	30216	130277	264778	0.500	1.00	2.50	10.0	20.0
			580347	868930	1170258			40.0	60.0	80.0		
1,3,5-Trimethylbenzene	DCBd 4	Ave	19249	41098	101222	428851	895717	0.500	1.00	2.50	10.0	20.0
			1924130	2925984	3943655			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.: 240-152946-1 Analy Batch No.: 494428

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 14:02 Calibration End Date: 07/10/2021 16:37 Calibration ID: 61910

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	6824 598795	13610 894955	32432 1214734	133605	270083	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
tert-Butylbenzene	DCBd 4	Ave	16323 1697504	35833 2570625	88385 3478136	367143	782687	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	19267 1967103	42056 2969605	104203 4032360	435965	901400	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
sec-Butylbenzene	DCBd 4	Ave	24097 2351705	48500 3530936	122848 4835917	510276	1095700	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,3-Dichlorobenzene	DCBd 4	Ave	12861 1176983	27615 1770529	64863 2434613	265602	538721	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
p-Isopropyltoluene	DCBd 4	Ave	20922 2070160	43794 3146805	109740 4335022	447106	963769	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,4-Dichlorobenzene	DCBd 4	Ave	13783 1196934	28868 1782104	65297 2435012	272041	538378	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
n-Butylbenzene	DCBd 4	Ave	18987 1748809	39070 2617132	94452 3527230	383974	821490	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,2-Dichlorobenzene	DCBd 4	Ave	12383 1125869	26178 1687448	63344 2275913	250286	508773	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	2339 259765	5143 393013	13383 532022	55229	116917	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	9647 725298	20085 1112344	43246 1475899	165996	343343	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Hexachlorobutadiene	DCBd 4	Ave	4117 299118	7704 449749	19584 581090	68747	145310	0.500 40.0	1.00 60.0	2.50 80.0	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.: 240-152946-1 Analy Batch No.: 494428

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 14:02 Calibration End Date: 07/10/2021 16:37 Calibration ID: 61910

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	27389	63525	144518	570140	1171633	0.500	1.00	2.50	10.0	20.0
			2455593	3695825	4854547			40.0	60.0	80.0		
1,2,3-Trichlorobenzene	DCBd 4	Ave	8839	18122	41629	159925	323755	0.500	1.00	2.50	10.0	20.0
			687036	1069471	1429617			40.0	60.0	80.0		
Dibromofluoromethane (Surr)	FB	Ave	5771	12566	31099	121284	256433	0.500	1.00	2.50	10.0	20.0
			529204	799038	1043456			40.0	60.0	80.0		
1,2-Dichloroethane-d4 (Surr)	FB	Ave	+++++	15831	38957	143573	294083	+++++	1.00	2.50	10.0	20.0
			607693	917693	1203704			40.0	60.0	80.0		
Toluene-d8 (Surr)	CBNZ d5	Ave	19958	42368	100948	408840	839440	0.500	1.00	2.50	10.0	20.0
			1800885	2706865	3543994			40.0	60.0	80.0		
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	+++++	16682	38601	148987	303598	+++++	1.00	2.50	10.0	20.0
			654459	983330	1303342			40.0	60.0	80.0		

Curve Type Legend

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 494428

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/10/2021 14:02 Calibration End Date: 07/10/2021 16:37 Calibration ID: 61910

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-494428/16	U1922962.d
Level 2	STD8260 240-494428/15	U1922961.d
Level 3	STD8260 240-494428/14	U1922960.d
Level 4	STD8260 240-494428/13	U1922959.d
Level 5	ICIS 240-494428/12	U1922958.d
Level 6	STD8260 240-494428/11	U1922957.d
Level 7	STD8260 240-494428/10	U1922956.d
Level 8	STD8260 240-494428/9	U1922955.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
n-Heptane	+++++	+++++	8.5						50			

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922955.d
Lims ID: std8260 L8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 10-Jul-2021 14:02:33 ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111101-009
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub1

Method: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 12-Jul-2021 14:48:23 Calib Date: 10-Jul-2021 16:37:56
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922962.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1645

First Level Reviewer: laveyt Date: 10-Jul-2021 14:32:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	942449	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.452	8.452	0.000	85	753782	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	93	450261	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.404	5.416	-0.012	94	1043456	80.0	78.1	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	99	1203704	80.0	76.0	
$ 6 Toluene-d8 (Surr)	98	7.207	7.207	0.000	93	3543994	80.0	77.8	
$ 7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	95	1303342	80.0	77.6	
9 Dichlorodifluoromethane	85	2.072	2.072	0.000	99	1047409	80.0	82.4	
10 Chloromethane	50	2.285	2.297	-0.012	99	1353984	80.0	70.3	
12 Vinyl chloride	62	2.416	2.427	-0.011	98	1349641	80.0	74.6	
11 Butadiene	54	2.451	2.451	0.000	93	1304814	80.0	74.5	
13 Bromomethane	94	2.772	2.783	-0.011	93	903962	80.0	66.5	
15 Chloroethane	64	2.866	2.878	-0.012	99	729239	80.0	67.5	
16 Dichlorofluoromethane	67	3.080	3.092	-0.012	98	1932970	80.0	66.7	
17 Trichlorofluoromethane	101	3.115	3.127	-0.012	97	2003452	80.0	75.1	
18 Ethyl ether	59	3.353	3.364	-0.011	91	951749	80.0	90.5	
19 Acrolein	56	3.495	3.495	0.000	99	73463	400.0	249.3	
20 1,1-Dichloroethene	61	3.590	3.590	0.000	98	1409329	80.0	79.2	
21 112TCTFE	101	3.602	3.602	0.000	93	929255	80.0	82.1	
22 Acetone	43	3.614	3.613	0.001	99	997665	160.0	158.7	
24 Iodomethane	142	3.744	3.744	0.000	99	1640111	80.0	76.8	
25 Carbon disulfide	76	3.803	3.815	-0.012	100	2796907	80.0	72.3	
28 Methyl acetate	43	3.874	3.874	0.000	97	2270302	160.0	157.9	
27 3-Chloro-1-propene	41	3.898	3.898	0.000	89	1491330	80.0	78.7	
29 Methylene Chloride	49	4.005	4.005	0.000	92	1215336	80.0	76.0	
30 2-Methyl-2-propanol	59	4.064	4.064	0.000	99	2204945	800.0	852.9	
31 Acrylonitrile	53	4.195	4.194	0.001	97	5687741	800.0	787.4	
33 Methyl tert-butyl ether	73	4.218	4.218	0.000	96	3047678	80.0	80.2	
32 trans-1,2-Dichloroethene	61	4.230	4.230	0.000	99	1447373	80.0	79.2	
34 Hexane	57	4.444	4.455	-0.011	94	1362956	80.0	83.4	
36 Vinyl acetate	43	4.562	4.562	0.000	97	2531422	80.0	84.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 1,1-Dichloroethane	63	4.586	4.586	0.000	96	1772751	80.0	79.3	
40 2-Butanone (MEK)	72	5.013	5.013	0.000	100	441570	160.0	165.8	
41 cis-1,2-Dichloroethene	96	5.037	5.036	0.001	82	1121873	80.0	76.1	
42 2,2-Dichloropropane	77	5.048	5.048	0.000	90	1153379	80.0	75.5	
46 Chlorobromomethane	49	5.214	5.226	-0.012	92	903325	80.0	77.0	
47 Tetrahydrofuran	42	5.238	5.238	0.000	86	1072246	160.0	150.6	
48 Chloroform	83	5.286	5.285	0.001	94	1839628	80.0	78.1	
49 1,1,1-Trichloroethane	97	5.440	5.440	0.000	98	1712382	80.0	80.8	
50 Cyclohexane	84	5.511	5.511	0.000	89	1459100	80.0	84.5	
53 Isobutyl alcohol	41	5.558	5.558	0.000	95	2130077	2000.0	2216.3	
51 1,1-Dichloropropene	75	5.558	5.558	0.000	93	1484375	80.0	81.1	
52 Carbon tetrachloride	117	5.570	5.570	0.000	79	1627938	80.0	84.1	
54 Benzene	78	5.724	5.724	0.000	97	3917149	80.0	79.7	
55 1,2-Dichloroethane	62	5.748	5.748	0.000	97	1475760	80.0	77.6	
57 n-Heptane	57	5.902	5.902	0.000	92	627661	80.0	81.6	
59 Trichloroethene	130	6.222	6.222	0.000	96	1209926	80.0	78.6	
61 Methylcyclohexane	83	6.424	6.424	0.000	92	1679100	80.0	84.7	
62 1,2-Dichloropropane	63	6.436	6.436	0.000	94	973150	80.0	80.7	
65 1,4-Dioxane	88	6.471	6.471	0.000	95	397399	1600.0	1797.6	
64 Dibromomethane	174	6.507	6.507	0.000	92	842017	80.0	76.4	
66 Dichlorobromomethane	83	6.626	6.625	0.001	98	1430067	80.0	81.2	
68 2-Chloroethyl vinyl ether	63	6.815	6.815	0.000	94	1495153	160.0	163.7	
69 cis-1,3-Dichloropropene	75	6.970	6.969	0.001	95	1671489	80.0	80.7	
70 4-Methyl-2-pentanone (MIBK)	43	7.064	7.076	-0.012	98	3136460	160.0	157.2	
71 Toluene	91	7.266	7.266	0.000	98	4227308	80.0	79.6	
72 trans-1,3-Dichloropropene	75	7.432	7.432	0.000	96	1617165	80.0	79.4	
73 Ethyl methacrylate	69	7.444	7.444	0.000	89	1497991	80.0	83.3	
74 1,1,2-Trichloroethane	97	7.598	7.598	0.000	92	914203	80.0	81.0	
75 Tetrachloroethene	166	7.705	7.705	0.000	98	1264325	80.0	79.8	
76 1,3-Dichloropropane	76	7.752	7.752	0.000	96	1558621	80.0	80.6	
77 2-Hexanone	43	7.764	7.764	0.000	96	2334847	160.0	148.5	
79 Chlorodibromomethane	129	7.942	7.942	0.000	90	1173381	80.0	83.4	
81 Ethylene Dibromide	107	8.061	8.060	0.001	98	1033720	80.0	78.2	
83 Chlorobenzene	112	8.487	8.487	0.000	95	2774456	80.0	79.2	
85 Ethylbenzene	106	8.547	8.547	0.000	98	1552177	80.0	81.5	
84 1,1,1,2-Tetrachloroethane	131	8.547	8.547	0.000	47	1131494	80.0	82.4	
86 m-Xylene & p-Xylene	106	8.665	8.665	0.000	99	1874916	80.0	81.0	
87 o-Xylene	106	9.009	9.009	0.000	94	1863524	80.0	82.4	
88 Styrene	104	9.021	9.021	0.000	94	3090091	80.0	84.1	
89 Bromoform	173	9.211	9.211	0.000	96	982992	80.0	86.3	
90 Isopropylbenzene	105	9.341	9.341	0.000	96	4769258	80.0	82.4	
93 1,1,2,2-Tetrachloroethane	83	9.602	9.602	0.000	96	1439466	80.0	74.9	
97 trans-1,4-Dichloro-2-butene	53	9.638	9.638	0.000	80	510567	80.0	68.5	
95 Bromobenzene	156	9.661	9.661	0.000	93	1299489	80.0	75.7	
96 1,2,3-Trichloropropane	110	9.673	9.673	0.000	80	521720	80.0	74.4	
98 N-Propylbenzene	120	9.721	9.721	0.000	98	1345021	80.0	77.1	
100 2-Chlorotoluene	126	9.816	9.815	0.001	97	1170258	80.0	77.5	
101 1,3,5-Trimethylbenzene	105	9.875	9.875	0.000	94	3943655	80.0	78.0	
102 4-Chlorotoluene	126	9.934	9.934	0.000	97	1214734	80.0	75.6	
103 tert-Butylbenzene	119	10.183	10.183	0.000	93	3478136	80.0	79.1	
105 1,2,4-Trimethylbenzene	105	10.231	10.230	0.001	97	4032360	80.0	78.5	
106 sec-Butylbenzene	105	10.385	10.385	0.000	94	4835917	80.0	78.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 4-Isopropyltoluene	119	10.515	10.515	0.000	96	4335022	80.0	79.8	
107 1,3-Dichlorobenzene	146	10.515	10.515	0.000	74	2434613	80.0	76.5	
109 1,4-Dichlorobenzene	146	10.610	10.610	0.000	95	2435012	80.0	74.9	
112 n-Butylbenzene	91	10.907	10.906	0.001	98	3527230	80.0	75.6	
113 1,2-Dichlorobenzene	146	10.954	10.954	0.000	98	2275913	80.0	75.1	
114 1,2-Dibromo-3-Chloropropane	157	11.689	11.689	0.000	88	532022	80.0	80.8	
116 1,2,4-Trichlorobenzene	180	12.484	12.484	0.000	94	1475899	80.0	70.3	
117 Hexachlorobutadiene	225	12.614	12.614	0.000	97	581090	80.0	66.9	
118 Naphthalene	128	12.757	12.756	0.001	97	4854547	80.0	71.1	
119 1,2,3-Trichlorobenzene	180	12.994	12.994	0.000	95	1429617	80.0	72.2	
S 124 Total BTEX	1				0		400.0	404.2	
S 125 Trihalomethanes, Total	1				0		320.0	328.9	
S 126 1,2-Dichloroethene, Total	96				0			155.2	
S 127 1,3-Dichloropropene, Total	75				0			160.1	
S 128 Xylenes, Total	106				0		160.0	163.4	

QC Flag Legend

Processing Flags

Reagents:

vm50is_stk_A_00008	Amount Added:	2.00	Units: uL
vmrgas_00391	Amount Added:	64.00	Units: uL
vmarolistdw_00399	Amount Added:	64.00	Units: uL
vmrprimw_00443	Amount Added:	64.00	Units: uL
vm50ss_00447	Amount Added:	64.00	Units: uL

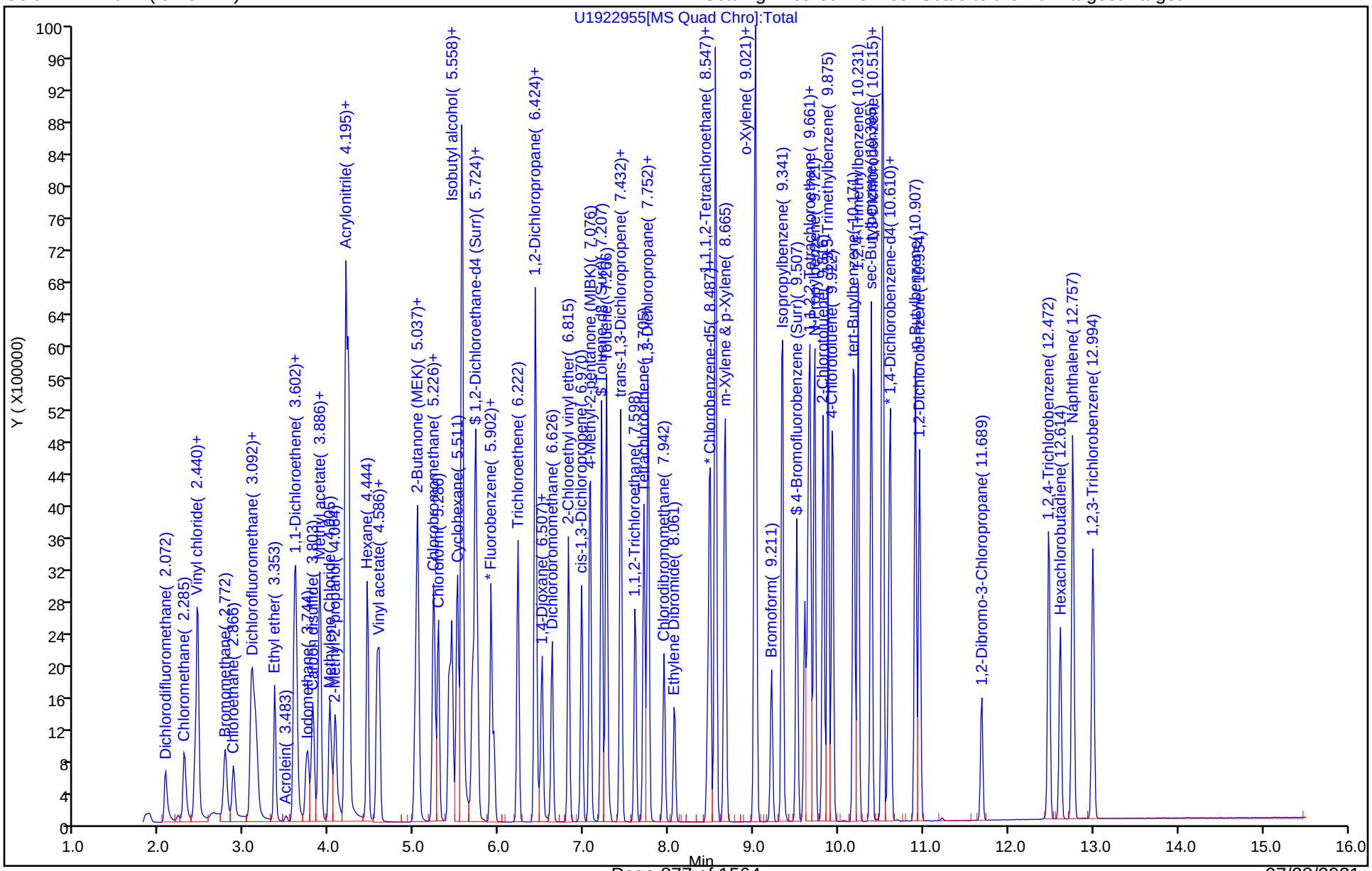
Report Date: 12-Jul-2021 14:48:25 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922955.d

Injection Date:	10-Jul-2021 14:02:33	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	std8260 L8			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922956.d
Lims ID: std8260 L7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 10-Jul-2021 14:24:30 ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111101-010
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub1

Method: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 12-Jul-2021 14:48:31 Calib Date: 10-Jul-2021 16:37:56
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922962.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1645

First Level Reviewer: laveyt Date: 10-Jul-2021 14:52:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	952883	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.452	8.452	0.000	86	769672	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	95	443695	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.404	5.416	-0.012	94	799038	60.0	59.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	99	917693	60.0	57.3	
$ 6 Toluene-d8 (Surr)	98	7.207	7.207	0.000	93	2706865	60.0	58.2	
$ 7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	95	983330	60.0	57.3	
9 Dichlorodifluoromethane	85	2.072	2.072	0.000	99	807349	60.0	62.8	
10 Chloromethane	50	2.285	2.297	-0.012	99	1061104	60.0	54.5	
12 Vinyl chloride	62	2.416	2.427	-0.011	98	1049221	60.0	57.4	
11 Butadiene	54	2.451	2.451	0.000	93	973459	60.0	55.0	
13 Bromomethane	94	2.771	2.783	-0.012	93	702965	60.0	51.2	
15 Chloroethane	64	2.866	2.878	-0.012	99	567304	60.0	52.0	
16 Dichlorofluoromethane	67	3.080	3.092	-0.012	98	1535457	60.0	52.4	
17 Trichlorofluoromethane	101	3.115	3.127	-0.012	97	1531882	60.0	56.8	
18 Ethyl ether	59	3.353	3.364	-0.012	91	678859	60.0	63.8	
19 Acrolein	56	3.483	3.495	-0.012	99	59184	300.0	198.7	
20 1,1-Dichloroethene	61	3.578	3.590	-0.012	98	1073174	60.0	59.7	
21 112TCTFE	101	3.602	3.602	0.000	93	688530	60.0	60.1	
22 Acetone	43	3.613	3.613	0.000	99	777975	120.0	122.4	
24 Iodomethane	142	3.732	3.744	-0.012	99	1281344	60.0	59.3	
25 Carbon disulfide	76	3.803	3.815	-0.012	100	2174818	60.0	55.6	
28 Methyl acetate	43	3.874	3.874	0.000	97	1737562	120.0	119.5	
27 3-Chloro-1-propene	41	3.898	3.898	0.000	89	1127642	60.0	58.8	
29 Methylene Chloride	49	4.005	4.005	0.000	92	922146	60.0	57.1	
30 2-Methyl-2-propanol	59	4.064	4.064	0.000	99	1785355	600.0	683.0	
31 Acrylonitrile	53	4.194	4.194	0.000	97	4354425	600.0	596.2	
33 Methyl tert-butyl ether	73	4.218	4.218	0.000	96	2285605	60.0	59.5	
32 trans-1,2-Dichloroethene	61	4.230	4.230	0.000	99	1086230	60.0	58.8	
34 Hexane	57	4.444	4.455	-0.011	93	984491	60.0	59.6	
36 Vinyl acetate	43	4.562	4.562	0.000	97	1896337	60.0	62.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 1,1-Dichloroethane	63	4.586	4.586	0.000	96	1335072	60.0	59.1	
40 2-Butanone (MEK)	72	5.013	5.013	0.000	100	342426	120.0	127.2	
41 cis-1,2-Dichloroethene	96	5.036	5.036	0.000	82	846334	60.0	56.7	
42 2,2-Dichloropropane	77	5.048	5.048	0.000	89	888236	60.0	57.5	
46 Chlorobromomethane	49	5.214	5.226	-0.012	91	685030	60.0	57.7	
47 Tetrahydrofuran	42	5.238	5.238	0.000	86	815348	120.0	113.3	
48 Chloroform	83	5.285	5.285	0.000	94	1381259	60.0	58.0	
49 1,1,1-Trichloroethane	97	5.440	5.440	0.000	98	1276174	60.0	59.5	
50 Cyclohexane	84	5.511	5.511	0.000	89	1072252	60.0	61.4	
53 Isobutyl alcohol	41	5.558	5.558	0.000	93	1576451	1500.0	1622.3	
51 1,1-Dichloropropene	75	5.558	5.558	0.000	94	1113586	60.0	60.2	
52 Carbon tetrachloride	117	5.570	5.570	0.000	76	1202992	60.0	61.5	
54 Benzene	78	5.724	5.724	0.000	97	2963085	60.0	59.6	
55 1,2-Dichloroethane	62	5.748	5.748	0.000	97	1102747	60.0	57.3	
57 n-Heptane	57	5.902	5.902	0.000	92	463217	60.0	58.3	
59 Trichloroethene	130	6.222	6.222	0.000	95	919622	60.0	59.1	
61 Methylcyclohexane	83	6.424	6.424	0.000	92	1192345	60.0	59.5	
62 1,2-Dichloropropane	63	6.436	6.436	0.000	94	719856	60.0	59.0	
65 1,4-Dioxane	88	6.471	6.471	0.000	96	309931	1200.0	1386.6	
64 Dibromomethane	174	6.507	6.507	0.000	91	648028	60.0	58.2	
66 Dichlorobromomethane	83	6.625	6.625	0.000	98	1070608	60.0	60.1	
68 2-Chloroethyl vinyl ether	63	6.815	6.815	0.000	93	1129957	120.0	122.4	
69 cis-1,3-Dichloropropene	75	6.969	6.969	0.000	95	1250146	60.0	59.7	
70 4-Methyl-2-pentanone (MIBK)	43	7.064	7.076	-0.012	98	2362866	120.0	117.1	
71 Toluene	91	7.266	7.266	0.000	98	3187300	60.0	58.7	
72 trans-1,3-Dichloropropene	75	7.432	7.432	0.000	96	1211369	60.0	58.3	
73 Ethyl methacrylate	69	7.444	7.444	0.000	89	1112771	60.0	60.6	
74 1,1,2-Trichloroethane	97	7.598	7.598	0.000	93	679764	60.0	59.0	
75 Tetrachloroethene	166	7.705	7.705	0.000	98	958711	60.0	59.2	
76 1,3-Dichloropropane	76	7.752	7.752	0.000	96	1165628	60.0	59.0	
77 2-Hexanone	43	7.764	7.764	0.000	96	1806488	120.0	112.5	
79 Chlorodibromomethane	129	7.942	7.942	0.000	89	874165	60.0	60.8	
81 Ethylene Dibromide	107	8.060	8.060	0.000	98	780237	60.0	57.8	
83 Chlorobenzene	112	8.487	8.487	0.000	95	2081943	60.0	58.2	
85 Ethylbenzene	106	8.547	8.547	0.000	98	1157399	60.0	59.5	
84 1,1,1,2-Tetrachloroethane	131	8.547	8.547	0.000	94	842483	60.0	60.1	
86 m-Xylene & p-Xylene	106	8.665	8.665	0.000	99	1407633	60.0	59.5	
87 o-Xylene	106	9.009	9.009	0.000	94	1391852	60.0	60.3	
88 Styrene	104	9.021	9.021	0.000	91	2304871	60.0	61.4	
89 Bromoform	173	9.211	9.211	0.000	97	732968	60.0	63.0	
90 Isopropylbenzene	105	9.341	9.341	0.000	96	3548174	60.0	60.0	
93 1,1,2,2-Tetrachloroethane	83	9.602	9.602	0.000	96	1075106	60.0	56.8	
97 trans-1,4-Dichloro-2-butene	53	9.638	9.638	0.000	85	381422	60.0	51.9	
95 Bromobenzene	156	9.661	9.661	0.000	92	965988	60.0	57.1	
96 1,2,3-Trichloropropane	110	9.673	9.673	0.000	81	388362	60.0	56.2	
98 N-Propylbenzene	120	9.721	9.721	0.000	98	1006857	60.0	58.6	
100 2-Chlorotoluene	126	9.815	9.815	0.000	97	868930	60.0	58.4	
101 1,3,5-Trimethylbenzene	105	9.875	9.875	0.000	94	2925984	60.0	58.8	
102 4-Chlorotoluene	126	9.934	9.934	0.000	97	894955	60.0	56.5	
103 tert-Butylbenzene	119	10.183	10.183	0.000	93	2570625	60.0	59.3	
105 1,2,4-Trimethylbenzene	105	10.231	10.230	0.001	97	2969605	60.0	58.6	
106 sec-Butylbenzene	105	10.385	10.385	0.000	94	3530936	60.0	58.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 4-Isopropyltoluene	119	10.515	10.515	0.000	96	3146805	60.0	58.8	
107 1,3-Dichlorobenzene	146	10.515	10.515	0.000	72	1770529	60.0	56.5	
109 1,4-Dichlorobenzene	146	10.610	10.610	0.000	95	1782104	60.0	55.6	
112 n-Butylbenzene	91	10.906	10.906	0.000	98	2617132	60.0	57.0	
113 1,2-Dichlorobenzene	146	10.954	10.954	0.000	98	1687448	60.0	56.5	
114 1,2-Dibromo-3-Chloropropane	157	11.689	11.689	0.000	88	393013	60.0	60.6	
116 1,2,4-Trichlorobenzene	180	12.472	12.484	-0.012	94	1112344	60.0	53.8	
117 Hexachlorobutadiene	225	12.614	12.614	0.000	97	449749	60.0	52.5	
118 Naphthalene	128	12.756	12.756	0.000	97	3695825	60.0	54.9	
119 1,2,3-Trichlorobenzene	180	12.994	12.994	0.000	95	1069471	60.0	54.8	
S 124 Total BTEX	1				0		300.0	297.7	
S 125 Trihalomethanes, Total	1				0		240.0	242.0	
S 126 1,2-Dichloroethene, Total	96				0			115.5	
S 127 1,3-Dichloropropene, Total	75				0			118.0	
S 128 Xylenes, Total	106				0		120.0	119.8	

QC Flag Legend

Processing Flags

Reagents:

vm50is_stk_A_00008	Amount Added:	2.00	Units: uL
vmrgas_00391	Amount Added:	48.00	Units: uL
vmarolistdw_00399	Amount Added:	48.00	Units: uL
vmrprimw_00443	Amount Added:	48.00	Units: uL
vm50ss_00447	Amount Added:	48.00	Units: uL

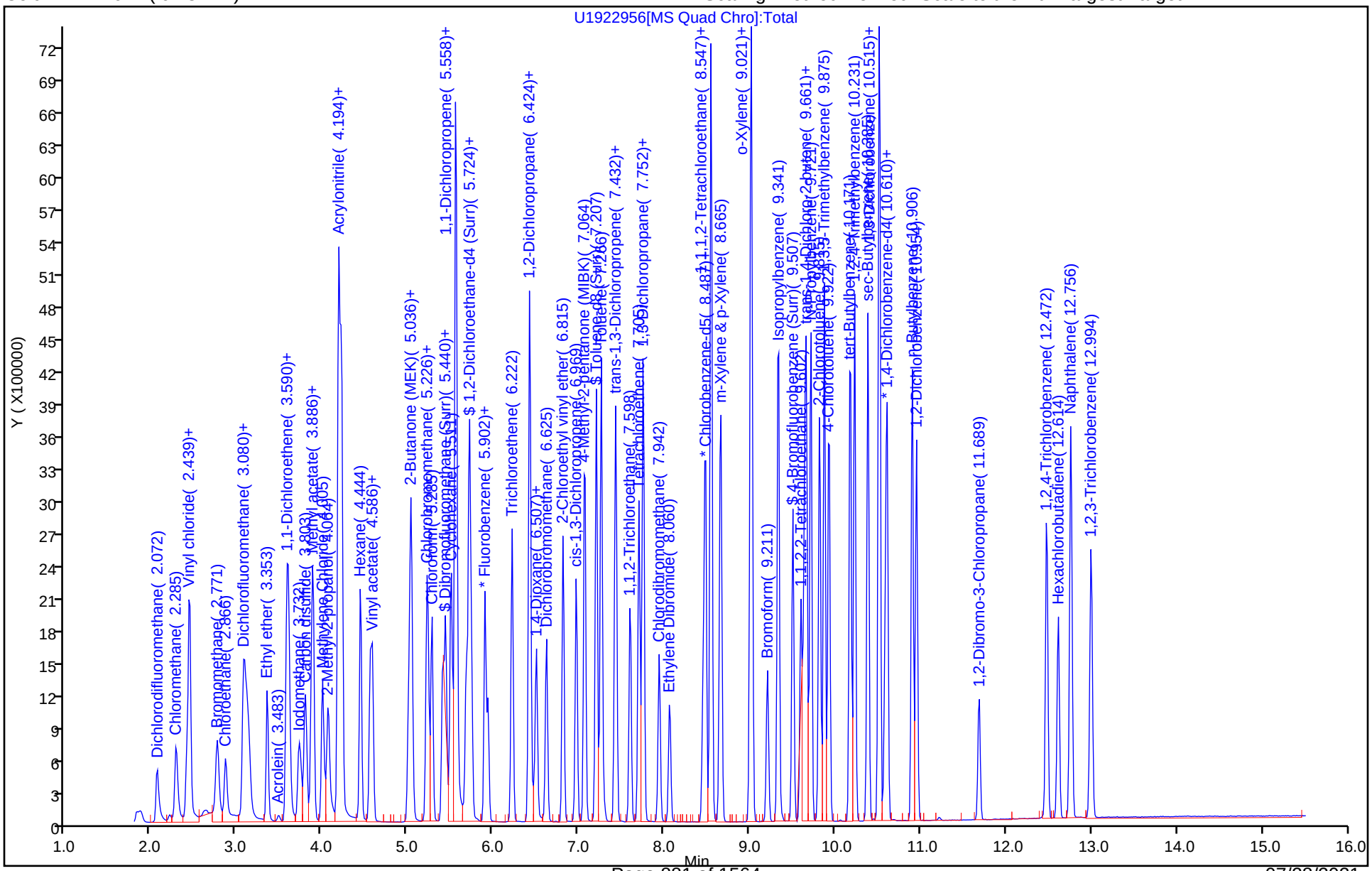
Report Date: 12-Jul-2021 14:48:31 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922956.d

Injection Date:	10-Jul-2021 14:24:30	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	std8260 L7			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922957.d
Lims ID: std8260 L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 10-Jul-2021 14:46:40 ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111101-011
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub1

Method: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 12-Jul-2021 14:48:39 Calib Date: 10-Jul-2021 16:37:56
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922962.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1645

First Level Reviewer: laveyt Date: 12-Jul-2021 14:20:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	98	937002	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.452	8.452	0.000	85	758192	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	94	430777	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.404	5.416	-0.012	96	529204	40.0	39.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	99	607693	40.0	38.6	
$ 6 Toluene-d8 (Surr)	98	7.206	7.207	-0.001	93	1800885	40.0	39.3	
$ 7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	94	654459	40.0	38.7	
9 Dichlorodifluoromethane	85	2.060	2.072	-0.012	99	532050	40.0	42.1	
10 Chloromethane	50	2.285	2.297	-0.012	99	714416	40.0	37.3	
12 Vinyl chloride	62	2.416	2.427	-0.011	98	698646	40.0	38.9	
11 Butadiene	54	2.439	2.451	-0.012	93	654262	40.0	37.6	
13 Bromomethane	94	2.771	2.783	-0.012	93	471159	40.0	34.9	
15 Chloroethane	64	2.866	2.878	-0.012	99	382695	40.0	35.7	
16 Dichlorofluoromethane	67	3.080	3.092	-0.012	98	1024872	40.0	35.6	
17 Trichlorofluoromethane	101	3.115	3.127	-0.012	98	1022123	40.0	38.5	
18 Ethyl ether	59	3.352	3.364	-0.012	92	443537	40.0	42.4	
19 Acrolein	56	3.483	3.495	-0.012	98	40864	200.0	139.5	
20 1,1-Dichloroethene	61	3.590	3.590	0.000	98	715079	40.0	40.4	
21 112TCTFE	101	3.601	3.602	-0.001	92	464852	40.0	41.3	
22 Acetone	43	3.613	3.613	0.000	99	491730	80.0	78.7	
24 Iodomethane	142	3.744	3.744	0.000	99	837001	40.0	39.4	
25 Carbon disulfide	76	3.803	3.815	-0.012	100	1442843	40.0	37.5	
28 Methyl acetate	43	3.874	3.874	0.000	97	1139507	80.0	79.7	
27 3-Chloro-1-propene	41	3.886	3.898	-0.012	89	748933	40.0	39.7	
29 Methylene Chloride	49	4.005	4.005	0.000	92	620639	40.0	39.1	
30 2-Methyl-2-propanol	59	4.064	4.064	0.000	100	1023856	400.0	398.3	
31 Acrylonitrile	53	4.194	4.194	0.000	98	2831639	400.0	394.3	
33 Methyl tert-butyl ether	73	4.218	4.218	0.000	96	1527692	40.0	40.4	
32 trans-1,2-Dichloroethene	61	4.230	4.230	0.000	98	719335	40.0	39.6	
34 Hexane	57	4.443	4.455	-0.012	94	678236	40.0	41.8	
36 Vinyl acetate	43	4.562	4.562	0.000	97	1246600	40.0	41.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 1,1-Dichloroethane	63	4.586	4.586	0.000	96	905437	40.0	40.7	
40 2-Butanone (MEK)	72	5.013	5.013	0.000	100	220970	80.0	83.4	
41 cis-1,2-Dichloroethene	96	5.036	5.036	0.000	82	575676	40.0	39.3	
42 2,2-Dichloropropane	77	5.048	5.048	0.000	90	588378	40.0	38.7	
46 Chlorobromomethane	49	5.214	5.226	-0.012	91	452819	40.0	38.8	
47 Tetrahydrofuran	42	5.238	5.238	0.000	86	545173	80.0	77.0	
48 Chloroform	83	5.285	5.285	0.000	94	934762	40.0	39.9	
49 1,1,1-Trichloroethane	97	5.440	5.440	0.000	99	877580	40.0	41.6	
50 Cyclohexane	84	5.511	5.511	0.000	89	728343	40.0	42.4	
53 Isobutyl alcohol	41	5.558	5.558	0.000	94	998922	1000.0	1045.4	
51 1,1-Dichloropropene	75	5.558	5.558	0.000	95	750322	40.0	41.2	
52 Carbon tetrachloride	117	5.570	5.570	0.000	94	810280	40.0	42.1	
54 Benzene	78	5.724	5.724	0.000	97	2003230	40.0	41.0	
55 1,2-Dichloroethane	62	5.748	5.748	0.000	97	749297	40.0	39.6	
57 n-Heptane	57	5.902	5.902	0.000	92	329417	40.0	40.9	
59 Trichloroethene	130	6.222	6.222	0.000	96	616198	40.0	40.2	
61 Methylcyclohexane	83	6.424	6.424	0.000	92	827997	40.0	42.0	
62 1,2-Dichloropropane	63	6.436	6.436	0.000	95	491864	40.0	41.0	
65 1,4-Dioxane	88	6.471	6.471	0.000	94	205334	800.0	934.2	
64 Dibromomethane	174	6.507	6.507	0.000	92	434983	40.0	39.7	
66 Dichlorobromomethane	83	6.625	6.625	0.000	98	721776	40.0	41.2	
68 2-Chloroethyl vinyl ether	63	6.815	6.815	0.000	93	777211	80.0	85.6	
69 cis-1,3-Dichloropropene	75	6.969	6.969	0.000	95	844591	40.0	41.0	
70 4-Methyl-2-pentanone (MIBK)	43	7.076	7.076	0.000	97	1625903	80.0	81.9	
71 Toluene	91	7.266	7.266	0.000	98	2152899	40.0	40.3	
72 trans-1,3-Dichloropropene	75	7.432	7.432	0.000	96	806832	40.0	39.4	
73 Ethyl methacrylate	69	7.444	7.444	0.000	88	746867	40.0	41.3	
74 1,1,2-Trichloroethane	97	7.598	7.598	0.000	93	464127	40.0	40.9	
75 Tetrachloroethene	166	7.705	7.705	-0.001	98	643199	40.0	40.3	
76 1,3-Dichloropropane	76	7.752	7.752	0.000	96	790169	40.0	40.6	
77 2-Hexanone	43	7.764	7.764	0.000	96	1225521	80.0	77.5	
79 Chlorodibromomethane	129	7.942	7.942	0.000	89	585998	40.0	41.4	
81 Ethylene Dibromide	107	8.060	8.060	0.000	98	526430	40.0	39.6	
83 Chlorobenzene	112	8.487	8.487	0.000	95	1409871	40.0	40.0	
85 Ethylbenzene	106	8.546	8.547	-0.001	98	785169	40.0	41.0	
84 1,1,1,2-Tetrachloroethane	131	8.546	8.547	-0.001	47	561579	40.0	40.6	
86 m-Xylene & p-Xylene	106	8.665	8.665	0.000	99	953003	40.0	40.9	
87 o-Xylene	106	9.009	9.009	0.000	94	927084	40.0	40.8	
88 Styrene	104	9.021	9.021	0.000	94	1522324	40.0	41.2	
89 Bromoform	173	9.211	9.211	0.000	96	478318	40.0	41.8	
90 Isopropylbenzene	105	9.341	9.341	0.000	96	2377564	40.0	40.8	
93 1,1,2,2-Tetrachloroethane	83	9.602	9.602	0.000	96	719630	40.0	39.1	
97 trans-1,4-Dichloro-2-butene	53	9.637	9.638	-0.001	74	259160	40.0	36.3	
95 Bromobenzene	156	9.661	9.661	0.000	92	649460	40.0	39.5	
96 1,2,3-Trichloropropane	110	9.673	9.673	0.000	81	263359	40.0	39.3	
98 N-Propylbenzene	120	9.720	9.721	-0.001	98	675727	40.0	40.5	
100 2-Chlorotoluene	126	9.815	9.815	0.000	97	580347	40.0	40.2	
101 1,3,5-Trimethylbenzene	105	9.875	9.875	0.000	95	1924130	40.0	39.8	
102 4-Chlorotoluene	126	9.934	9.934	0.000	97	598795	40.0	38.9	
103 tert-Butylbenzene	119	10.183	10.183	0.000	93	1697504	40.0	40.3	
105 1,2,4-Trimethylbenzene	105	10.230	10.230	0.000	96	1967103	40.0	40.0	
106 sec-Butylbenzene	105	10.385	10.385	0.000	94	2351705	40.0	40.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 4-Isopropyltoluene	119	10.515	10.515	0.000	96	2070160	40.0	39.8	
107 1,3-Dichlorobenzene	146	10.515	10.515	0.000	74	1176983	40.0	38.7	
109 1,4-Dichlorobenzene	146	10.610	10.610	0.000	95	1196934	40.0	38.5	
112 n-Butylbenzene	91	10.906	10.906	0.000	98	1748809	40.0	39.2	
113 1,2-Dichlorobenzene	146	10.954	10.954	0.000	98	1125869	40.0	38.8	
114 1,2-Dibromo-3-Chloropropane	157	11.689	11.689	0.000	88	259765	40.0	41.3	
116 1,2,4-Trichlorobenzene	180	12.484	12.484	0.000	94	725298	40.0	36.1	
117 Hexachlorobutadiene	225	12.614	12.614	0.000	97	299118	40.0	36.0	
118 Naphthalene	128	12.756	12.756	0.000	97	2455593	40.0	37.6	
119 1,2,3-Trichlorobenzene	180	12.993	12.994	-0.001	95	687036	40.0	36.3	
S 124 Total BTEX	1				0		200.0	204.0	
S 125 Trihalomethanes, Total	1				0		160.0	164.3	
S 126 1,2-Dichloroethene, Total	96				0			78.8	
S 127 1,3-Dichloropropene, Total	75				0			80.4	
S 128 Xylenes, Total	106				0		80.0	81.7	

QC Flag Legend

Processing Flags

Reagents:

vm50is_stk_A_00008	Amount Added:	2.00	Units: uL
vmrgas_00391	Amount Added:	32.00	Units: uL
vmarolistdw_00399	Amount Added:	32.00	Units: uL
vmrprimw_00443	Amount Added:	32.00	Units: uL
vm50ss_00447	Amount Added:	32.00	Units: uL

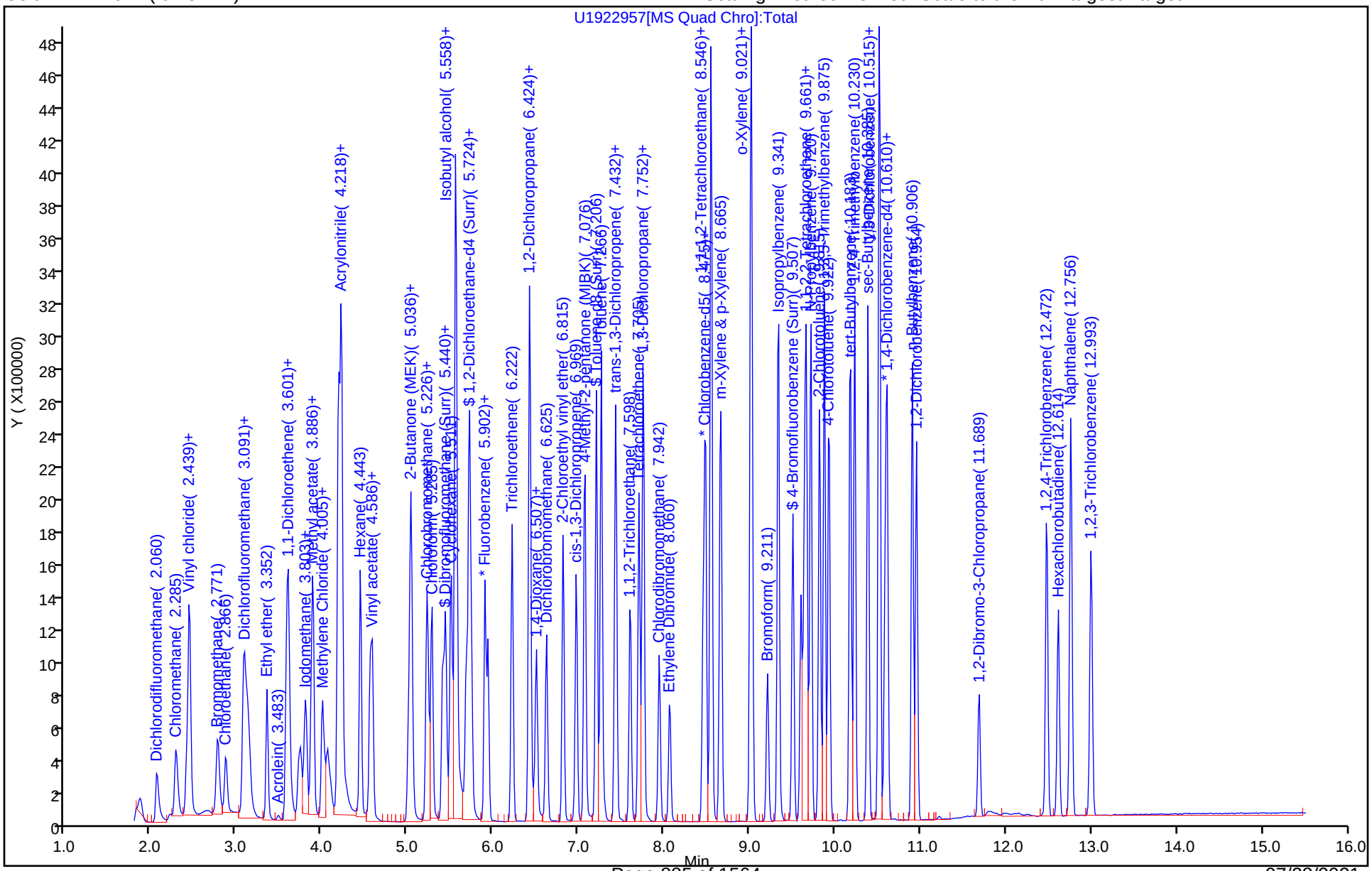
Report Date: 12-Jul-2021 14:48:40 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922957.d

Injection Date:	10-Jul-2021 14:46:40	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	std8260 L6			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922958.d
Lims ID: ICIS L5
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 10-Jul-2021 15:08:49 ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111101-012
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub1

Method: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 12-Jul-2021 14:48:45 Calib Date: 10-Jul-2021 16:37:56
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922962.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1645

First Level Reviewer: laveyt Date: 12-Jul-2021 14:22:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	908893	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.452	8.452	0.000	88	700460	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	95	391669	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.416	5.416	0.000	93	256433	20.0	19.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	99	294083	20.0	19.2	
$ 6 Toluene-d8 (Surr)	98	7.207	7.207	0.000	94	839440	20.0	19.8	
$ 7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	94	303598	20.0	19.4	
9 Dichlorodifluoromethane	85	2.072	2.072	0.000	99	267630	20.0	21.8	
10 Chloromethane	50	2.297	2.297	0.000	99	345557	20.0	18.6	
12 Vinyl chloride	62	2.428	2.428	0.000	98	344892	20.0	19.8	
11 Butadiene	54	2.451	2.451	0.000	93	336785	20.0	19.9	
13 Bromomethane	94	2.783	2.783	0.000	94	246065	20.0	18.8	
15 Chloroethane	64	2.878	2.878	0.000	99	199379	20.0	19.1	
16 Dichlorofluoromethane	67	3.092	3.092	0.000	98	539148	20.0	19.3	
17 Trichlorofluoromethane	101	3.127	3.127	0.000	98	537625	20.0	20.9	
18 Ethyl ether	59	3.365	3.365	0.000	91	201423	20.0	19.9	
19 Acrolein	56	3.495	3.495	0.000	98	20199	100.0	71.1	
20 1,1-Dichloroethene	61	3.590	3.590	0.000	98	350276	20.0	20.4	
21 112TCTFE	101	3.614	3.614	0.000	92	228592	20.0	20.9	
22 Acetone	43	3.614	3.614	0.000	99	223765	40.0	36.9	
24 Iodomethane	142	3.744	3.744	0.000	98	404238	20.0	19.6	
25 Carbon disulfide	76	3.815	3.815	0.000	100	701839	20.0	18.8	
28 Methyl acetate	43	3.874	3.874	0.000	97	533065	40.0	38.4	
27 3-Chloro-1-propene	41	3.898	3.898	0.000	88	359924	20.0	19.7	
29 Methylene Chloride	49	4.005	4.005	0.000	92	296434	20.0	19.2	
30 2-Methyl-2-propanol	59	4.064	4.064	0.000	99	461533	200.0	185.1	
31 Acrylonitrile	53	4.195	4.195	0.000	98	1327892	200.0	190.6	
33 Methyl tert-butyl ether	73	4.230	4.230	0.000	94	724266	20.0	19.8	
32 trans-1,2-Dichloroethene	61	4.230	4.230	0.000	99	344796	20.0	19.6	
34 Hexane	57	4.455	4.455	0.000	94	323326	20.0	20.5	
36 Vinyl acetate	43	4.562	4.562	0.000	97	582754	20.0	20.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 1,1-Dichloroethane	63	4.586	4.586	0.000	96	433587	20.0	20.1	
40 2-Butanone (MEK)	72	5.013	5.013	0.000	100	103960	40.0	40.5	
41 cis-1,2-Dichloroethene	96	5.037	5.037	0.000	82	275451	20.0	19.4	
42 2,2-Dichloropropane	77	5.048	5.048	0.000	90	290345	20.0	19.7	
46 Chlorobromomethane	49	5.226	5.226	0.000	91	215401	20.0	19.0	
47 Tetrahydrofuran	42	5.238	5.238	0.000	86	252720	40.0	36.8	
48 Chloroform	83	5.286	5.286	0.000	95	449341	20.0	19.8	
49 1,1,1-Trichloroethane	97	5.440	5.440	0.000	98	418905	20.0	20.5	
50 Cyclohexane	84	5.511	5.511	0.000	90	347766	20.0	20.9	
53 Isobutyl alcohol	41	5.558	5.558	0.000	95	464929	500.0	501.6	
51 1,1-Dichloropropene	75	5.558	5.558	0.000	94	357821	20.0	20.3	
52 Carbon tetrachloride	117	5.570	5.570	0.000	96	385278	20.0	20.7	
54 Benzene	78	5.724	5.724	0.000	96	952903	20.0	20.1	
55 1,2-Dichloroethane	62	5.748	5.748	0.000	97	360698	20.0	19.7	
57 n-Heptane	57	5.902	5.902	0.000	91	173275	20.0	20.1	
59 Trichloroethene	130	6.222	6.222	0.000	96	290279	20.0	19.5	
61 Methylcyclohexane	83	6.424	6.424	0.000	94	395716	20.0	20.7	
62 1,2-Dichloropropane	63	6.436	6.436	0.000	94	231719	20.0	19.9	
65 1,4-Dioxane	88	6.471	6.471	0.000	94	87849	400.0	412.0	
64 Dibromomethane	174	6.507	6.507	0.000	92	207940	20.0	19.6	
66 Dichlorobromomethane	83	6.626	6.626	0.000	98	330939	20.0	19.5	
68 2-Chloroethyl vinyl ether	63	6.815	6.815	0.000	94	340785	40.0	38.7	
69 cis-1,3-Dichloropropene	75	6.970	6.970	0.000	95	387475	20.0	19.4	
70 4-Methyl-2-pentanone (MIBK)	43	7.076	7.076	0.000	97	748704	40.0	38.9	
71 Toluene	91	7.266	7.266	0.000	98	993531	20.0	20.1	
72 trans-1,3-Dichloropropene	75	7.432	7.432	0.000	97	365958	20.0	19.3	
73 Ethyl methacrylate	69	7.444	7.444	0.000	85	338599	20.0	20.3	
74 1,1,2-Trichloroethane	97	7.598	7.598	0.000	92	209486	20.0	20.0	
75 Tetrachloroethene	166	7.705	7.705	0.000	97	296702	20.0	20.1	
76 1,3-Dichloropropane	76	7.752	7.752	0.000	97	354517	20.0	19.7	
77 2-Hexanone	43	7.764	7.764	0.000	97	563737	40.0	38.6	
79 Chlorodibromomethane	129	7.942	7.942	0.000	89	262505	20.0	20.1	
81 Ethylene Dibromide	107	8.061	8.061	0.000	98	241775	20.0	19.7	
83 Chlorobenzene	112	8.487	8.487	0.000	95	645666	20.0	19.8	
85 Ethylbenzene	106	8.547	8.547	0.000	98	354567	20.0	20.0	
84 1,1,1,2-Tetrachloroethane	131	8.547	8.547	0.000	93	254071	20.0	19.9	
86 m-Xylene & p-Xylene	106	8.665	8.665	0.000	99	431244	20.0	20.0	
87 o-Xylene	106	9.009	9.009	0.000	98	424900	20.0	20.2	
88 Styrene	104	9.021	9.021	0.000	94	681228	20.0	20.0	
89 Bromoform	173	9.211	9.211	0.000	96	212142	20.0	20.0	
90 Isopropylbenzene	105	9.341	9.341	0.000	96	1112459	20.0	20.7	
93 1,1,2,2-Tetrachloroethane	83	9.602	9.602	0.000	96	331646	20.0	19.8	
97 trans-1,4-Dichloro-2-butene	53	9.638	9.638	0.000	80	116299	20.0	17.9	
95 Bromobenzene	156	9.661	9.661	0.000	93	290746	20.0	19.5	
96 1,2,3-Trichloropropane	110	9.673	9.673	0.000	75	119195	20.0	19.6	
98 N-Propylbenzene	120	9.721	9.721	0.000	99	306093	20.0	20.2	
100 2-Chlorotoluene	126	9.816	9.816	0.000	96	264778	20.0	20.1	
101 1,3,5-Trimethylbenzene	105	9.875	9.875	0.000	94	895717	20.0	20.4	
102 4-Chlorotoluene	126	9.934	9.934	0.000	97	270083	20.0	19.3	
103 tert-Butylbenzene	119	10.183	10.183	0.000	93	782687	20.0	20.5	
105 1,2,4-Trimethylbenzene	105	10.231	10.231	0.000	97	901400	20.0	20.2	
106 sec-Butylbenzene	105	10.385	10.385	0.000	94	1095700	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
108 4-Isopropyltoluene	119	10.515	10.515	0.000	96	963769	20.0	20.4	
107 1,3-Dichlorobenzene	146	10.515	10.515	0.000	75	538721	20.0	19.5	
109 1,4-Dichlorobenzene	146	10.610	10.610	0.000	95	538378	20.0	19.0	
112 n-Butylbenzene	91	10.907	10.907	0.000	97	821490	20.0	20.3	
113 1,2-Dichlorobenzene	146	10.954	10.954	0.000	98	508773	20.0	19.3	
114 1,2-Dibromo-3-Chloropropane	157	11.689	11.689	0.000	89	116917	20.0	20.4	
116 1,2,4-Trichlorobenzene	180	12.484	12.484	0.000	94	343343	20.0	18.8	
117 Hexachlorobutadiene	225	12.614	12.614	0.000	97	145310	20.0	19.2	
118 Naphthalene	128	12.757	12.757	0.000	97	1171633	20.0	19.7	
119 1,2,3-Trichlorobenzene	180	12.994	12.994	0.000	95	323755	20.0	18.8	
S 124 Total BTEX	1				0		100.0	100.5	
S 125 Trihalomethanes, Total	1				0		80.0	79.4	
S 128 Xylenes, Total	106				0		40.0	40.3	

QC Flag Legend

Processing Flags

Reagents:

vm50is_stk_A_00008	Amount Added:	2.00	Units: uL
vmrgas_00391	Amount Added:	16.00	Units: uL
vmarolistdw_00399	Amount Added:	16.00	Units: uL
vmrprimw_00443	Amount Added:	16.00	Units: uL
vm50ss_00447	Amount Added:	16.00	Units: uL

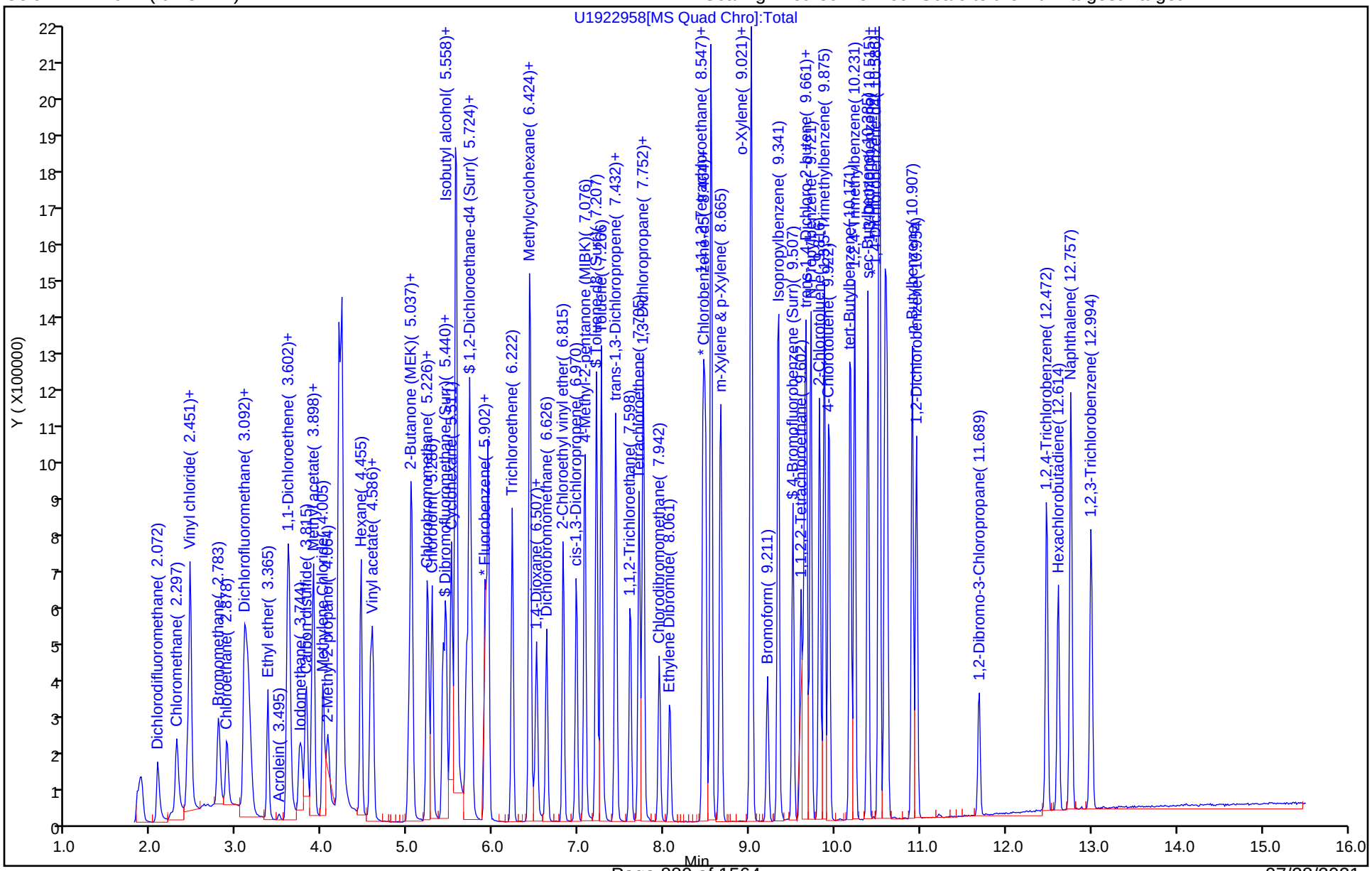
Report Date: 12-Jul-2021 14:48:46 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922958.d

Injection Date:	10-Jul-2021 15:08:49	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	ICIS L5			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922959.d
Lims ID: std8260 L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 10-Jul-2021 15:30:57 ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111101-013
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub1

Method: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 12-Jul-2021 14:48:51 Calib Date: 10-Jul-2021 16:37:56
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922962.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1645

First Level Reviewer: laveyt Date: 12-Jul-2021 14:24:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	887061	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.452	8.452	0.000	86	697083	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	95	376372	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.416	5.416	0.000	93	121284	10.0	9.65	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	99	143573	10.0	9.63	
$ 6 Toluene-d8 (Surr)	98	7.207	7.207	0.000	93	408840	10.0	9.70	
$ 7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	94	148987	10.0	9.59	
9 Dichlorodifluoromethane	85	2.072	2.072	0.000	99	115743	10.0	9.67	
10 Chloromethane	50	2.297	2.297	0.000	99	176777	10.0	9.75	
12 Vinyl chloride	62	2.427	2.427	0.000	98	171859	10.0	10.1	
11 Butadiene	54	2.451	2.451	0.000	93	158679	10.0	9.63	
13 Bromomethane	94	2.783	2.783	0.000	93	134131	10.0	10.5	
15 Chloroethane	64	2.878	2.878	0.000	99	106813	10.0	10.5	
16 Dichlorofluoromethane	67	3.092	3.092	0.000	97	279876	10.0	10.3	
17 Trichlorofluoromethane	101	3.127	3.127	0.000	98	249773	10.0	9.94	
18 Ethyl ether	59	3.364	3.364	0.000	91	92443	10.0	9.34	
19 Acrolein	56	3.495	3.495	0.000	96	13669	50.0	49.3	
20 1,1-Dichloroethene	61	3.590	3.590	0.000	98	163797	10.0	9.78	
21 112TCTFE	101	3.602	3.602	0.000	90	98515	10.0	9.24	
22 Acetone	43	3.613	3.613	0.000	100	116098	20.0	19.6	
24 Iodomethane	142	3.744	3.744	0.000	99	199646	10.0	9.93	
25 Carbon disulfide	76	3.815	3.815	0.000	100	338342	10.0	9.29	
28 Methyl acetate	43	3.874	3.874	0.000	97	266056	20.0	19.7	
27 3-Chloro-1-propene	41	3.898	3.898	0.000	88	175758	10.0	9.85	
29 Methylene Chloride	49	4.005	4.005	0.000	92	146388	10.0	9.73	
30 2-Methyl-2-propanol	59	4.064	4.064	0.000	99	235584	100.0	96.8	
31 Acrylonitrile	53	4.194	4.194	0.000	98	660220	100.0	97.1	
33 Methyl tert-butyl ether	73	4.218	4.218	0.000	96	352543	10.0	9.85	
32 trans-1,2-Dichloroethene	61	4.230	4.230	0.000	97	166739	10.0	9.69	
34 Hexane	57	4.455	4.455	0.000	94	138032	10.0	8.98	
36 Vinyl acetate	43	4.562	4.562	0.000	97	282922	10.0	9.98	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 1,1-Dichloroethane	63	4.586	4.586	0.000	97	208796	10.0	9.92	
40 2-Butanone (MEK)	72	5.013	5.013	0.000	100	50659	20.0	20.2	
41 cis-1,2-Dichloroethene	96	5.036	5.036	0.000	82	136783	10.0	9.85	
42 2,2-Dichloropropane	77	5.048	5.048	0.000	88	146838	10.0	10.2	
46 Chlorobromomethane	49	5.226	5.226	0.000	93	108484	10.0	9.82	
47 Tetrahydrofuran	42	5.238	5.238	0.000	87	130453	20.0	19.5	
48 Chloroform	83	5.285	5.285	0.000	94	223173	10.0	10.1	
49 1,1,1-Trichloroethane	97	5.440	5.440	0.000	98	199996	10.0	10.0	
50 Cyclohexane	84	5.511	5.511	0.000	89	152214	10.0	9.36	
53 Isobutyl alcohol	41	5.558	5.558	0.000	95	229227	250.0	253.4	
51 1,1-Dichloropropene	75	5.558	5.558	0.000	95	170497	10.0	9.90	
52 Carbon tetrachloride	117	5.570	5.570	0.000	94	183252	10.0	10.1	
54 Benzene	78	5.724	5.724	0.000	97	460853	10.0	9.96	
55 1,2-Dichloroethane	62	5.748	5.748	0.000	97	178516	10.0	9.97	
57 n-Heptane	57	5.902	5.902	0.000	93	93124	10.0	8.99	
59 Trichloroethene	130	6.222	6.222	0.000	96	142073	10.0	9.80	
61 Methylcyclohexane	83	6.424	6.424	0.000	92	173955	10.0	9.32	
62 1,2-Dichloropropane	63	6.436	6.436	0.000	93	110587	10.0	9.74	
65 1,4-Dioxane	88	6.471	6.471	0.000	90	44929	200.0	215.9	
64 Dibromomethane	174	6.507	6.507	0.000	91	101387	10.0	9.78	
66 Dichlorobromomethane	83	6.625	6.625	0.000	98	164877	10.0	9.95	
68 2-Chloroethyl vinyl ether	63	6.815	6.815	0.000	94	173149	20.0	20.1	
69 cis-1,3-Dichloropropene	75	6.969	6.969	0.000	94	189799	10.0	9.74	
70 4-Methyl-2-pentanone (MIBK)	43	7.076	7.076	0.000	97	377036	20.0	20.1	
71 Toluene	91	7.266	7.266	0.000	98	487933	10.0	9.93	
72 trans-1,3-Dichloropropene	75	7.432	7.432	0.000	96	181190	10.0	9.62	
73 Ethyl methacrylate	69	7.444	7.444	0.000	88	166306	10.0	10.0	
74 1,1,2-Trichloroethane	97	7.598	7.598	0.000	92	105995	10.0	10.2	
75 Tetrachloroethene	166	7.705	7.705	0.000	97	141323	10.0	9.64	
76 1,3-Dichloropropane	76	7.752	7.752	0.000	97	178685	10.0	9.99	
77 2-Hexanone	43	7.764	7.764	0.000	96	292281	20.0	20.1	
79 Chlorodibromomethane	129	7.942	7.942	0.000	89	128205	10.0	9.85	
81 Ethylene Dibromide	107	8.060	8.060	0.000	98	122569	10.0	10.0	
83 Chlorobenzene	112	8.487	8.487	0.000	95	316355	10.0	9.76	
85 Ethylbenzene	106	8.547	8.547	0.000	98	173336	10.0	9.84	
84 1,1,1,2-Tetrachloroethane	131	8.547	8.547	0.000	46	123525	10.0	9.73	
86 m-Xylene & p-Xylene	106	8.665	8.665	0.000	99	212168	10.0	9.91	
87 o-Xylene	106	9.009	9.009	0.000	98	208266	10.0	9.96	
88 Styrene	104	9.021	9.021	0.000	94	338753	10.0	9.97	
89 Bromoform	173	9.211	9.211	0.000	96	101586	10.0	9.65	
90 Isopropylbenzene	105	9.341	9.341	0.000	96	527697	10.0	9.86	
93 1,1,2,2-Tetrachloroethane	83	9.602	9.602	0.000	96	166611	10.0	10.4	
97 trans-1,4-Dichloro-2-butene	53	9.638	9.638	0.000	84	61330	10.0	9.84	
95 Bromobenzene	156	9.661	9.661	0.000	93	146598	10.0	10.2	
96 1,2,3-Trichloropropane	110	9.673	9.673	0.000	83	59989	10.0	10.2	
98 N-Propylbenzene	120	9.721	9.721	0.000	98	146878	10.0	10.1	
100 2-Chlorotoluene	126	9.815	9.815	0.000	96	130277	10.0	10.3	
101 1,3,5-Trimethylbenzene	105	9.875	9.875	0.000	94	428851	10.0	10.2	
102 4-Chlorotoluene	126	9.934	9.934	0.000	98	133605	10.0	9.94	
103 tert-Butylbenzene	119	10.183	10.183	0.000	93	367143	10.0	9.98	
105 1,2,4-Trimethylbenzene	105	10.230	10.230	0.000	97	435965	10.0	10.1	
106 sec-Butylbenzene	105	10.385	10.385	0.000	94	510276	10.0	9.95	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 4-Isopropyltoluene	119	10.515	10.515	0.000	96	447106	10.0	9.84	
107 1,3-Dichlorobenzene	146	10.515	10.515	0.000	76	265602	10.0	9.99	
109 1,4-Dichlorobenzene	146	10.610	10.610	0.000	95	272041	10.0	10.0	
112 n-Butylbenzene	91	10.906	10.906	0.000	97	383974	10.0	9.85	
113 1,2-Dichlorobenzene	146	10.954	10.954	0.000	98	250286	10.0	9.88	
114 1,2-Dibromo-3-Chloropropane	157	11.689	11.689	0.000	86	55229	10.0	10.0	
116 1,2,4-Trichlorobenzene	180	12.484	12.484	0.000	93	165996	10.0	9.46	
117 Hexachlorobutadiene	225	12.614	12.614	0.000	96	68747	10.0	9.47	
118 Naphthalene	128	12.756	12.756	0.000	97	570140	10.0	9.99	
119 1,2,3-Trichlorobenzene	180	12.994	12.994	0.000	95	159925	10.0	9.67	
S 124 Total BTEX	1				0		50.0	49.6	
S 125 Trihalomethanes, Total	1				0		40.0	39.5	
S 126 1,2-Dichloroethene, Total	96				0			19.5	
S 127 1,3-Dichloropropene, Total	75				0			19.4	
S 128 Xylenes, Total	106				0		20.0	19.9	

QC Flag Legend

Processing Flags

Reagents:

vm50is_stk_A_00008	Amount Added:	2.00	Units: uL
vmrgas_00391	Amount Added:	8.00	Units: uL
vmarolistdw_00399	Amount Added:	8.00	Units: uL
vmrprimw_00443	Amount Added:	8.00	Units: uL
vm50ss_00447	Amount Added:	8.00	Units: uL

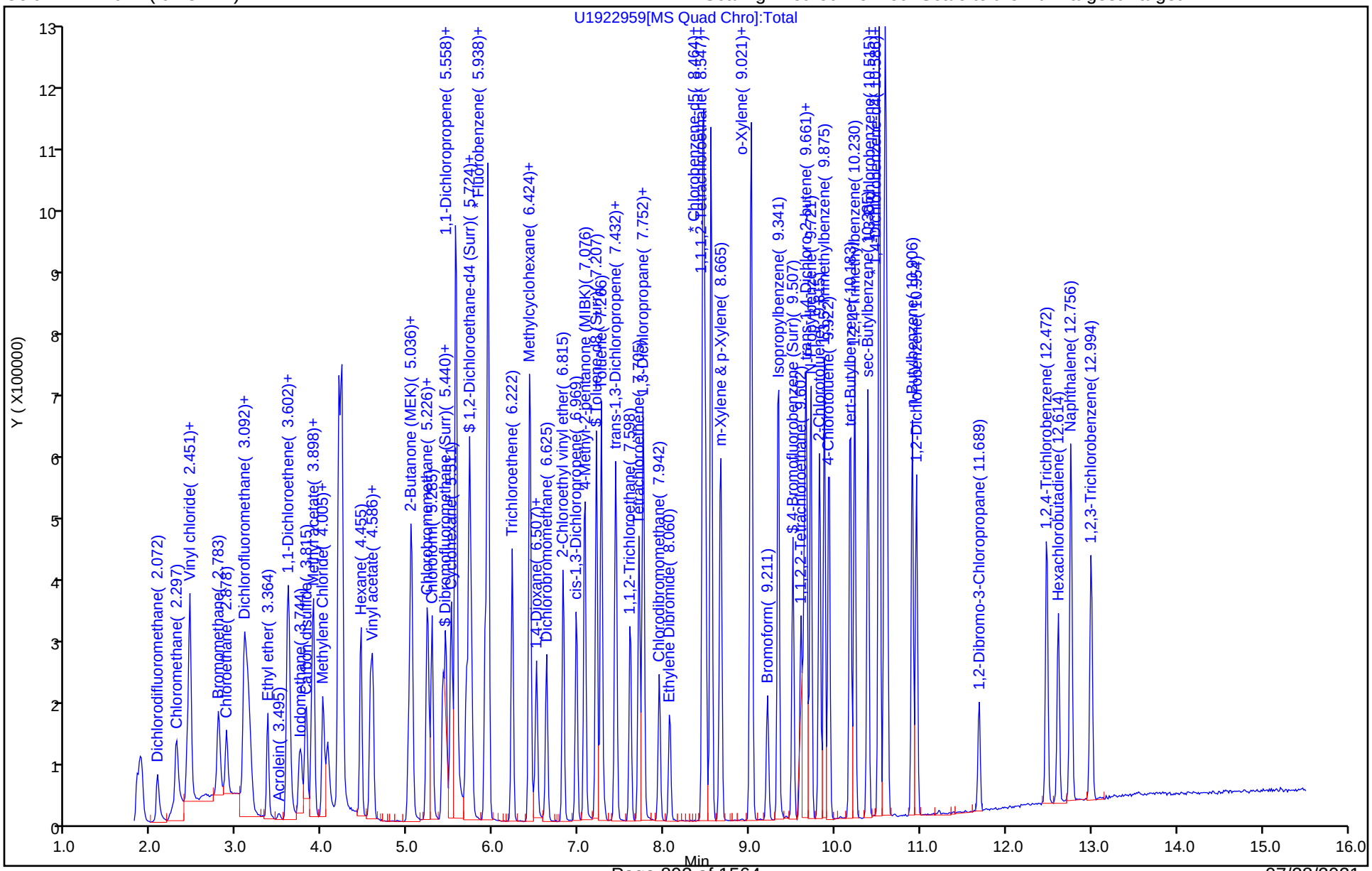
Report Date: 12-Jul-2021 14:48:52 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922959.d

Injection Date:	10-Jul-2021 15:30:57	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	std8260 L4			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922960.d
Lims ID: std8260 L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 10-Jul-2021 15:53:17 ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111101-014
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub1

Method: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 12-Jul-2021 14:48:58 Calib Date: 10-Jul-2021 16:37:56
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922962.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1645

First Level Reviewer: laveyt Date: 12-Jul-2021 14:27:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	858026	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.464	8.452	0.012	86	666504	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	95	365941	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.416	5.416	0.000	93	31099	2.50	2.56	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	98	38957	2.50	2.70	
$ 6 Toluene-d8 (Surr)	98	7.207	7.207	0.000	93	100948	2.50	2.51	
$ 7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	91	38601	2.50	2.60	
9 Dichlorodifluoromethane	85	2.084	2.072	0.012	100	24153	2.50	2.09	
10 Chloromethane	50	2.309	2.297	0.012	99	49979	2.50	2.85	
12 Vinyl chloride	62	2.440	2.427	0.013	97	39763	2.50	2.42	
11 Butadiene	54	2.463	2.451	0.012	94	36999	2.50	2.32	
13 Bromomethane	94	2.795	2.783	0.012	93	36564	2.50	2.96	
15 Chloroethane	64	2.890	2.878	0.012	99	30100	2.50	3.06	
16 Dichlorofluoromethane	67	3.092	3.092	0.000	99	74632	2.50	2.83	
17 Trichlorofluoromethane	101	3.127	3.127	0.000	99	55396	2.50	2.28	
18 Ethyl ether	59	3.365	3.364	0.000	89	22954	2.50	2.40	
19 Acrolein	56	3.495	3.495	0.000	89	4823	12.5	18.0	
20 1,1-Dichloroethene	61	3.590	3.590	0.000	96	43701	2.50	2.70	
21 112TCTFE	101	3.614	3.602	0.012	93	26256	2.50	2.55	
22 Acetone	43	3.614	3.613	0.001	82	27275	5.00	4.77	
24 Iodomethane	142	3.732	3.744	-0.012	99	50766	2.50	2.61	
25 Carbon disulfide	76	3.815	3.815	0.000	100	94698	2.50	2.69	
28 Methyl acetate	43	3.886	3.874	0.012	97	64461	5.00	4.92	
27 3-Chloro-1-propene	41	3.898	3.898	0.000	89	45241	2.50	2.62	
29 Methylene Chloride	49	4.005	4.005	0.000	92	38270	2.50	2.63	
30 2-Methyl-2-propanol	59	4.064	4.064	0.000	99	57847	25.0	24.6	
31 Acrylonitrile	53	4.195	4.194	0.001	98	166896	25.0	25.4	
33 Methyl tert-butyl ether	73	4.230	4.218	0.012	97	85088	2.50	2.46	
32 trans-1,2-Dichloroethene	61	4.242	4.230	0.012	97	43243	2.50	2.60	
34 Hexane	57	4.455	4.455	0.000	93	36716	2.50	2.47	
36 Vinyl acetate	43	4.562	4.562	0.000	97	66486	2.50	2.43	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 1,1-Dichloroethane	63	4.598	4.586	0.012	96	52181	2.50	2.56	
40 2-Butanone (MEK)	72	5.013	5.013	0.000	100	12730	5.00	5.25	
41 cis-1,2-Dichloroethene	96	5.037	5.036	0.001	82	34489	2.50	2.57	
42 2,2-Dichloropropane	77	5.048	5.048	0.000	88	36681	2.50	2.64	
46 Chlorobromomethane	49	5.226	5.226	0.000	92	27420	2.50	2.57	
47 Tetrahydrofuran	42	5.250	5.238	0.012	86	33502	5.00	5.17	
48 Chloroform	83	5.286	5.285	0.001	95	54439	2.50	2.54	
49 1,1,1-Trichloroethane	97	5.452	5.440	0.012	98	48715	2.50	2.52	
50 Cyclohexane	84	5.511	5.511	0.000	89	39644	2.50	2.52	
53 Isobutyl alcohol	41	5.570	5.558	0.012	88	55528	62.5	63.5	
51 1,1-Dichloropropene	75	5.558	5.558	0.000	93	43613	2.50	2.62	
52 Carbon tetrachloride	117	5.570	5.570	0.000	95	43726	2.50	2.48	
54 Benzene	78	5.724	5.724	0.000	97	115189	2.50	2.57	
55 1,2-Dichloroethane	62	5.748	5.748	0.000	98	44665	2.50	2.58	
57 n-Heptane	57	5.938	5.902	0.036	93	48458	2.50	2.71	
59 Trichloroethene	130	6.222	6.222	0.000	96	35179	2.50	2.51	
61 Methylcyclohexane	83	6.424	6.424	0.000	91	46144	2.50	2.56	
62 1,2-Dichloropropane	63	6.436	6.436	0.000	92	27420	2.50	2.50	
65 1,4-Dioxane	88	6.471	6.471	0.000	85	7289	50.0	36.2	
64 Dibromomethane	174	6.507	6.507	0.000	92	25370	2.50	2.53	
66 Dichlorobromomethane	83	6.626	6.625	0.001	98	39169	2.50	2.44	
68 2-Chloroethyl vinyl ether	63	6.815	6.815	0.000	92	40443	5.00	4.86	
69 cis-1,3-Dichloropropene	75	6.970	6.969	0.001	95	46447	2.50	2.46	
70 4-Methyl-2-pentanone (MIBK)	43	7.076	7.076	0.000	97	88969	5.00	4.90	
71 Toluene	91	7.266	7.266	0.000	97	118867	2.50	2.53	
72 trans-1,3-Dichloropropene	75	7.432	7.432	0.000	97	44751	2.50	2.49	
73 Ethyl methacrylate	69	7.444	7.444	0.000	89	38687	2.50	2.43	
74 1,1,2-Trichloroethane	97	7.598	7.598	0.000	94	25339	2.50	2.54	
75 Tetrachloroethene	166	7.705	7.705	0.000	97	34999	2.50	2.50	
76 1,3-Dichloropropane	76	7.752	7.752	0.000	95	43337	2.50	2.53	
77 2-Hexanone	43	7.764	7.764	0.000	95	68781	5.00	4.95	
79 Chlorodibromomethane	129	7.942	7.942	0.000	88	30106	2.50	2.42	
81 Ethylene Dibromide	107	8.072	8.060	0.012	98	28649	2.50	2.45	
83 Chlorobenzene	112	8.487	8.487	0.000	96	77664	2.50	2.51	
85 Ethylbenzene	106	8.547	8.547	0.000	98	41274	2.50	2.45	
84 1,1,1,2-Tetrachloroethane	131	8.547	8.547	0.000	92	29554	2.50	2.43	
86 m-Xylene & p-Xylene	106	8.665	8.665	0.000	99	51150	2.50	2.50	
87 o-Xylene	106	9.009	9.009	0.000	97	48910	2.50	2.45	
88 Styrene	104	9.021	9.021	0.000	94	79907	2.50	2.46	
89 Bromoform	173	9.211	9.211	0.000	95	24390	2.50	2.42	
90 Isopropylbenzene	105	9.341	9.341	0.000	96	123153	2.50	2.41	
93 1,1,2,2-Tetrachloroethane	83	9.602	9.602	0.000	96	41335	2.50	2.65	
97 trans-1,4-Dichloro-2-butene	53	9.638	9.638	0.000	79	15607	2.50	2.57	
95 Bromobenzene	156	9.661	9.661	0.000	94	34030	2.50	2.44	
96 1,2,3-Trichloropropane	110	9.673	9.673	0.000	82	14399	2.50	2.53	
98 N-Propylbenzene	120	9.721	9.721	0.000	98	35801	2.50	2.53	
100 2-Chlorotoluene	126	9.816	9.815	0.001	96	30216	2.50	2.46	
101 1,3,5-Trimethylbenzene	105	9.875	9.875	0.000	94	101222	2.50	2.46	
102 4-Chlorotoluene	126	9.934	9.934	0.000	98	32432	2.50	2.48	
103 tert-Butylbenzene	119	10.183	10.183	0.000	92	88385	2.50	2.47	
105 1,2,4-Trimethylbenzene	105	10.231	10.230	0.001	97	104203	2.50	2.49	
106 sec-Butylbenzene	105	10.385	10.385	0.000	95	122848	2.50	2.46	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 4-Isopropyltoluene	119	10.515	10.515	0.000	97	109740	2.50	2.48	
107 1,3-Dichlorobenzene	146	10.515	10.515	0.000	76	64863	2.50	2.51	
109 1,4-Dichlorobenzene	146	10.610	10.610	0.000	95	65297	2.50	2.47	
112 n-Butylbenzene	91	10.907	10.906	0.001	97	94452	2.50	2.49	
113 1,2-Dichlorobenzene	146	10.954	10.954	0.000	97	63344	2.50	2.57	
114 1,2-Dibromo-3-Chloropropane	157	11.689	11.689	0.000	89	13383	2.50	2.50	
116 1,2,4-Trichlorobenzene	180	12.484	12.484	0.000	94	43246	2.50	2.54	
117 Hexachlorobutadiene	225	12.614	12.614	0.000	96	19584	2.50	2.77	
118 Naphthalene	128	12.757	12.756	0.001	97	144518	2.50	2.60	
119 1,2,3-Trichlorobenzene	180	12.994	12.994	0.000	94	41629	2.50	2.59	
S 124 Total BTEX	1				0		12.5	12.5	
S 125 Trihalomethanes, Total	1				0		10.0	9.82	
S 126 1,2-Dichloroethene, Total	96				0			5.17	
S 127 1,3-Dichloropropene, Total	75				0			4.95	
S 128 Xylenes, Total	106				0		5.00	4.94	

QC Flag Legend

Processing Flags

Reagents:

vm50is_stk_A_00008	Amount Added:	2.00	Units: uL
vmrgas_00391	Amount Added:	2.00	Units: uL
vmarolistdw_00399	Amount Added:	2.00	Units: uL
vmrprimw_00443	Amount Added:	2.00	Units: uL
vm50ss_00447	Amount Added:	2.00	Units: uL

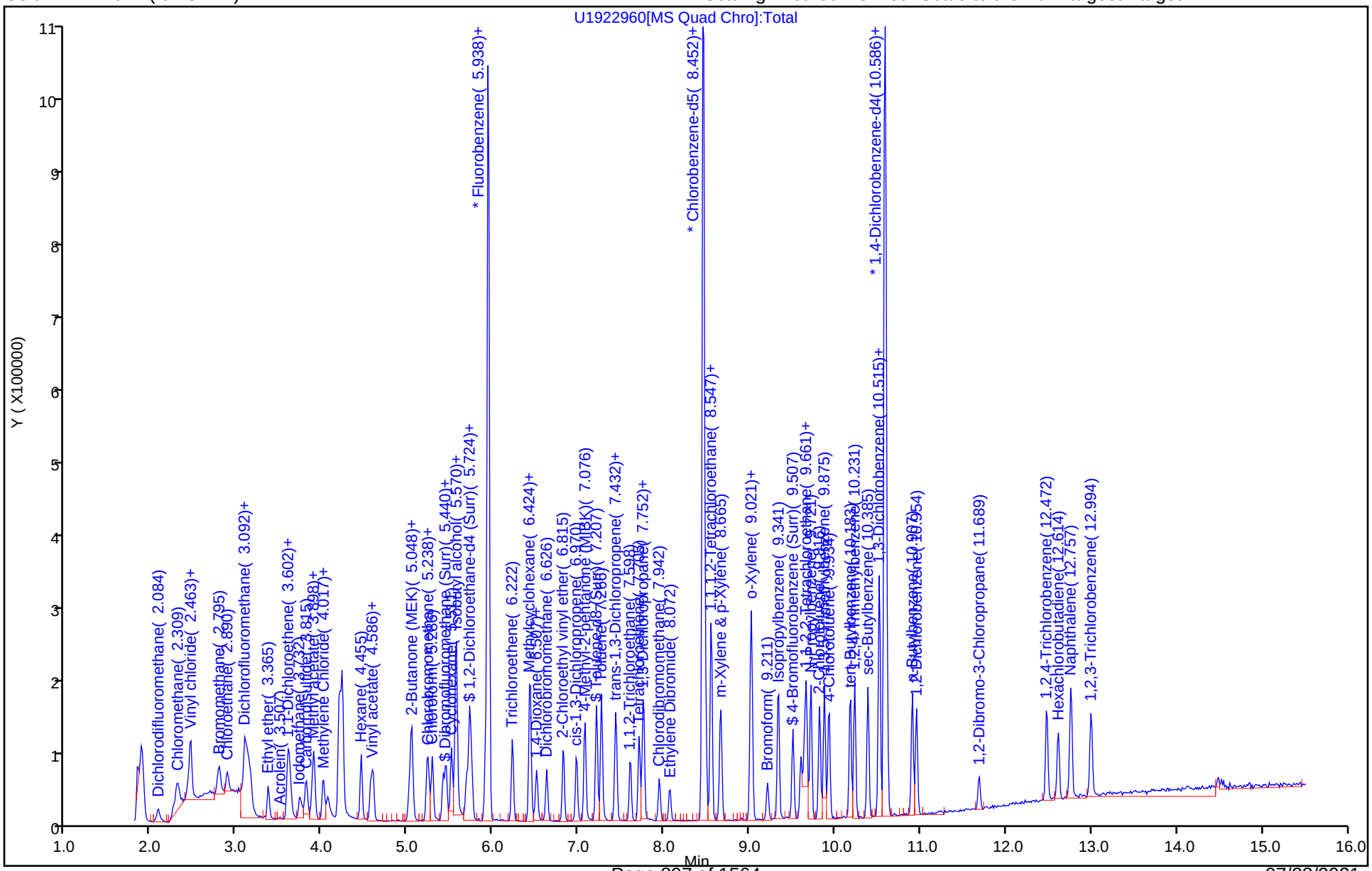
Report Date: 12-Jul-2021 14:48:59 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922960.d

Injection Date:	10-Jul-2021 15:53:17	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	std8260 L3			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922961.d
Lims ID: std8260 L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 10-Jul-2021 16:15:36 ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111101-015
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub1

Method: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 12-Jul-2021 14:49:04 Calib Date: 10-Jul-2021 16:37:56
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922962.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1645

First Level Reviewer: laveyt Date: 12-Jul-2021 14:30:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	836456	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.463	8.452	0.011	86	658867	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	95	359902	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.416	5.416	0.000	93	12566	1.00	1.06	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	97	15831	1.00	1.13	
$ 6 Toluene-d8 (Surr)	98	7.206	7.207	-0.001	94	42368	1.00	1.06	
$ 7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	92	16682	1.00	1.14	
9 Dichlorodifluoromethane	85	2.072	2.072	0.000	99	10544	1.00	0.9343	
10 Chloromethane	50	2.285	2.297	-0.012	98	21087	1.00	1.23	
12 Vinyl chloride	62	2.416	2.427	-0.011	98	15410	1.00	0.9603	
11 Butadiene	54	2.451	2.451	0.000	94	20582	1.00	1.32	
13 Bromomethane	94	2.783	2.783	0.000	94	15361	1.00	1.27	
15 Chloroethane	64	2.878	2.878	0.000	97	11158	1.00	1.16	
16 Dichlorofluoromethane	67	3.092	3.092	0.000	97	33008	1.00	1.28	
17 Trichlorofluoromethane	101	3.115	3.127	-0.012	98	24216	1.00	1.02	
18 Ethyl ether	59	3.364	3.364	0.000	93	8825	1.00	0.9454	
19 Acrolein	56	3.495	3.495	0.000	33	2461	5.00	9.41	
20 1,1-Dichloroethene	61	3.590	3.590	0.000	97	14876	1.00	0.9420	
21 112TCTFE	101	3.613	3.602	0.011	88	9217	1.00	0.9170	
22 Acetone	43	3.613	3.613	0.000	100	12809	2.00	2.30	
24 Iodomethane	142	3.744	3.744	0.000	99	19594	1.00	1.03	
25 Carbon disulfide	76	3.815	3.815	0.000	99	36837	1.00	1.07	
28 Methyl acetate	43	3.874	3.874	0.000	98	25583	2.00	2.00	
27 3-Chloro-1-propene	41	3.898	3.898	0.000	89	17326	1.00	1.03	
29 Methylene Chloride	49	4.016	4.005	0.011	90	15240	1.00	1.07	
30 2-Methyl-2-propanol	59	4.064	4.064	0.000	99	21173	10.0	9.23	
31 Acrylonitrile	53	4.194	4.194	0.000	100	68615	10.0	10.7	
33 Methyl tert-butyl ether	73	4.218	4.218	0.000	95	36360	1.00	1.08	
32 trans-1,2-Dichloroethene	61	4.230	4.230	0.000	96	16190	1.00	1.00	
34 Hexane	57	4.455	4.455	0.000	92	13738	1.00	0.9476	
36 Vinyl acetate	43	4.562	4.562	0.000	97	26503	1.00	0.99	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 1,1-Dichloroethane	63	4.586	4.586	0.000	97	19989	1.00	1.01	
40 2-Butanone (MEK)	72	5.013	5.013	0.000	100	4838	2.00	2.05	
41 cis-1,2-Dichloroethene	96	5.036	5.036	0.000	83	13918	1.00	1.06	
42 2,2-Dichloropropane	77	5.048	5.048	0.000	85	14152	1.00	1.04	
46 Chlorobromomethane	49	5.226	5.226	0.000	96	11448	1.00	1.10	
47 Tetrahydrofuran	42	5.250	5.238	0.012	84	15470	2.00	2.45	
48 Chloroform	83	5.285	5.285	0.000	94	22346	1.00	1.07	
49 1,1,1-Trichloroethane	97	5.440	5.440	0.000	97	18024	1.00	0.9578	
50 Cyclohexane	84	5.511	5.511	0.000	86	14028	1.00	0.9151	
53 Isobutyl alcohol	41	5.570	5.558	0.012	84	17494	25.0	20.5	
51 1,1-Dichloropropene	75	5.558	5.558	0.000	87	15175	1.00	0.9343	
52 Carbon tetrachloride	117	5.570	5.570	0.000	94	15105	1.00	0.8797	
54 Benzene	78	5.724	5.724	0.000	99	43667	1.00	1.00	
55 1,2-Dichloroethane	62	5.748	5.748	0.000	97	16671	1.00	0.9875	
57 n-Heptane	57		5.902				ND	ND	
59 Trichloroethene	130	6.222	6.222	0.000	98	14359	1.00	1.05	
61 Methylcyclohexane	83	6.424	6.424	0.000	89	16661	1.00	0.9464	
62 1,2-Dichloropropane	63	6.436	6.436	0.000	91	11288	1.00	1.05	
65 1,4-Dioxane	88	6.471	6.471	0.000	85	2823	20.0	14.4	
64 Dibromomethane	174	6.507	6.507	0.000	93	10584	1.00	1.08	
66 Dichlorobromomethane	83	6.625	6.625	0.000	97	15980	1.00	1.02	
68 2-Chloroethyl vinyl ether	63	6.815	6.815	0.000	93	16462	2.00	2.03	
69 cis-1,3-Dichloropropene	75	6.969	6.969	0.000	93	18514	1.00	1.01	
70 4-Methyl-2-pentanone (MIBK)	43	7.076	7.076	0.000	98	36112	2.00	2.04	
71 Toluene	91	7.266	7.266	0.000	98	48630	1.00	1.05	
72 trans-1,3-Dichloropropene	75	7.432	7.432	0.000	97	18461	1.00	1.04	
73 Ethyl methacrylate	69	7.444	7.444	0.000	87	16356	1.00	1.04	
74 1,1,2-Trichloroethane	97	7.610	7.598	0.012	94	10262	1.00	1.04	
75 Tetrachloroethene	166	7.705	7.705	0.000	96	13727	1.00	0.99	
76 1,3-Dichloropropane	76	7.752	7.752	0.000	94	17129	1.00	1.01	
77 2-Hexanone	43	7.764	7.764	0.000	96	30746	2.00	2.24	
79 Chlorodibromomethane	129	7.942	7.942	0.000	91	12476	1.00	1.01	
81 Ethylene Dibromide	107	8.060	8.060	0.000	98	12002	1.00	1.04	
83 Chlorobenzene	112	8.487	8.487	0.000	97	32027	1.00	1.05	
85 Ethylbenzene	106	8.546	8.547	-0.001	98	17140	1.00	1.03	
84 1,1,1,2-Tetrachloroethane	131	8.546	8.547	-0.001	45	12069	1.00	1.01	
86 m-Xylene & p-Xylene	106	8.665	8.665	0.000	99	19841	1.00	0.9802	
87 o-Xylene	106	9.009	9.009	0.000	97	20031	1.00	1.01	
88 Styrene	104	9.021	9.021	0.000	93	31727	1.00	0.9880	
89 Bromoform	173	9.211	9.211	0.000	93	9463	1.00	0.9507	
90 Isopropylbenzene	105	9.341	9.341	0.000	96	48800	1.00	0.9646	
93 1,1,2,2-Tetrachloroethane	83	9.602	9.602	0.000	97	15507	1.00	1.01	
97 trans-1,4-Dichloro-2-butene	53	9.637	9.638	-0.001	79	7526	1.00	1.26	
95 Bromobenzene	156	9.661	9.661	0.000	95	14640	1.00	1.07	
96 1,2,3-Trichloropropane	110	9.673	9.673	0.000	78	6283	1.00	1.12	
98 N-Propylbenzene	120	9.720	9.721	-0.001	98	14219	1.00	1.02	
100 2-Chlorotoluene	126	9.815	9.815	0.000	96	12820	1.00	1.06	
101 1,3,5-Trimethylbenzene	105	9.875	9.875	0.000	94	41098	1.00	1.02	
102 4-Chlorotoluene	126	9.934	9.934	0.000	97	13610	1.00	1.06	
103 tert-Butylbenzene	119	10.183	10.183	0.000	92	35833	1.00	1.02	
105 1,2,4-Trimethylbenzene	105	10.230	10.230	0.000	97	42056	1.00	1.02	
106 sec-Butylbenzene	105	10.385	10.385	0.000	95	48500	1.00	0.9889	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 4-Isopropyltoluene	119	10.515	10.515	0.000	96	43794	1.00	1.01	
107 1,3-Dichlorobenzene	146	10.515	10.515	0.000	80	27615	1.00	1.09	
109 1,4-Dichlorobenzene	146	10.610	10.610	0.000	91	28868	1.00	1.11	
112 n-Butylbenzene	91	10.906	10.906	0.000	97	39070	1.00	1.05	
113 1,2-Dichlorobenzene	146	10.954	10.954	0.000	97	26178	1.00	1.08	
114 1,2-Dibromo-3-Chloropropane	157	11.689	11.689	0.000	83	5143	1.00	0.9776	
116 1,2,4-Trichlorobenzene	180	12.484	12.484	0.000	94	20085	1.00	1.20	
117 Hexachlorobutadiene	225	12.614	12.614	0.000	93	7704	1.00	1.11	
118 Naphthalene	128	12.756	12.756	0.000	97	63525	1.00	1.16	
119 1,2,3-Trichlorobenzene	180	12.993	12.994	-0.001	94	18122	1.00	1.15	
S 124 Total BTEX	1				0		5.00	5.07	
S 125 Trihalomethanes, Total	1				0		4.00	4.06	
S 126 1,2-Dichloroethene, Total	96				0			2.06	
S 127 1,3-Dichloropropene, Total	75				0			2.04	
S 128 Xylenes, Total	106				0		2.00	1.99	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

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vmrgas_00391	Amount Added:	0.80	Units: uL
vmarolistdw_00399	Amount Added:	0.80	Units: uL
vmrprimw_00443	Amount Added:	0.80	Units: uL
vm50ss_00447	Amount Added:	0.80	Units: uL

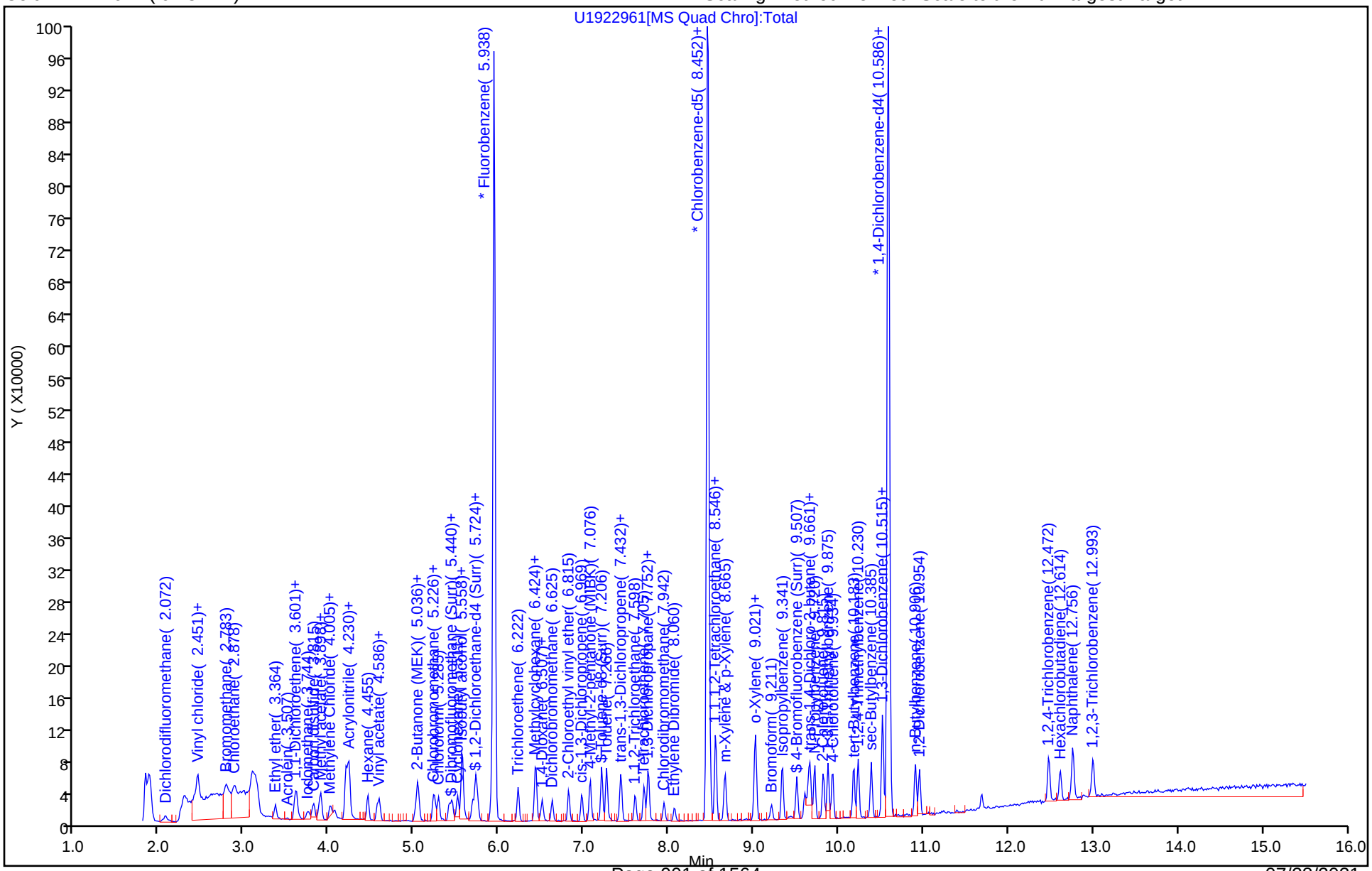
Report Date: 12-Jul-2021 14:49:05 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922961.d

Injection Date:	10-Jul-2021 16:15:36	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	std8260 L2			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922962.d
Lims ID: std8260 L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 10-Jul-2021 16:37:56 ALS Bottle#: 0 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111101-016
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub1

Method: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 12-Jul-2021 14:49:10 Calib Date: 10-Jul-2021 16:37:56
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922962.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1645

First Level Reviewer: laveyt Date: 12-Jul-2021 14:42:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	816451	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.452	8.452	0.000	86	629449	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	95	338746	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.404	5.416	-0.012	90	5771	0.5000	0.4988	
$ 5 1,2-Dichloroethane-d4 (Surr)	65		5.689				ND	ND	U
$ 6 Toluene-d8 (Surr)	98	7.206	7.207	-0.001	94	19958	0.5000	0.5245	
$ 7 4-Bromofluorobenzene (Surr)	95		9.507				ND	ND	U
9 Dichlorodifluoromethane	85	2.060	2.072	-0.012	96	5750	0.5000	0.5220	
10 Chloromethane	50		2.297				ND	ND	U
12 Vinyl chloride	62	2.415	2.427	-0.012	70	9501	0.5000	0.6066	
11 Butadiene	54		2.451				ND	ND	U
13 Bromomethane	94		2.783				ND	ND	U
15 Chloroethane	64		2.878				ND	ND	U
16 Dichlorofluoromethane	67		3.092				ND	ND	U
17 Trichlorofluoromethane	101	3.115	3.127	-0.012	99	13644	0.5000	0.5901	
18 Ethyl ether	59	3.364	3.364	0.000	94	4163	0.5000	0.4569	
19 Acrolein	56		3.495				ND	ND	U
20 1,1-Dichloroethene	61	3.589	3.590	-0.001	96	7597	0.5000	0.4928	
21 112TCTFE	101	3.601	3.602	-0.001	81	5072	0.5000	0.5170	
22 Acetone	43		3.613				ND	ND	U
24 Iodomethane	142	3.732	3.744	-0.012	99	9402	0.5000	0.5080	
25 Carbon disulfide	76	3.803	3.815	-0.012	99	20401	0.5000	0.6084	
28 Methyl acetate	43	3.874	3.874	0.000	97	13559	1.00	1.09	
27 3-Chloro-1-propene	41	3.898	3.898	0.000	87	8174	0.5000	0.4977	
29 Methylene Chloride	49	4.005	4.005	0.000	93	7352	0.5000	0.5309	
30 2-Methyl-2-propanol	59		4.064				ND	ND	U
31 Acrylonitrile	53	4.194	4.194	0.000	99	32142	5.00	5.14	
33 Methyl tert-butyl ether	73	4.218	4.218	0.000	95	15821	0.5000	0.4805	
32 trans-1,2-Dichloroethene	61	4.230	4.230	0.000	93	8368	0.5000	0.5284	
34 Hexane	57	4.455	4.455	0.000	94	7501	0.5000	0.5301	
36 Vinyl acetate	43	4.562	4.562	0.000	97	11833	0.5000	0.4536	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 1,1-Dichloroethane	63	4.586	4.586	0.000	95	9438	0.5000	0.4874	
40 2-Butanone (MEK)	72	5.013	5.013	0.000	99	1767	1.00	0.7658	
41 cis-1,2-Dichloroethene	96	5.036	5.036	0.000	79	6894	0.5000	0.5395	
42 2,2-Dichloropropane	77	5.048	5.048	0.000	89	6794	0.5000	0.5132	
46 Chlorobromomethane	49	5.214	5.226	-0.012	88	5314	0.5000	0.5227	
47 Tetrahydrofuran	42		5.238				ND	ND	U
48 Chloroform	83	5.285	5.285	0.000	97	10028	0.5000	0.4912	
49 1,1,1-Trichloroethane	97	5.439	5.440	-0.001	97	8848	0.5000	0.4817	
50 Cyclohexane	84	5.511	5.511	0.000	87	7158	0.5000	0.4784	
53 Isobutyl alcohol	41	5.558	5.558	0.000	87	9495	12.5	11.4	
51 1,1-Dichloropropene	75	5.558	5.558	0.000	93	7666	0.5000	0.4835	
52 Carbon tetrachloride	117	5.570	5.570	0.000	87	8030	0.5000	0.4791	
54 Benzene	78	5.724	5.724	0.000	98	20249	0.5000	0.4757	
55 1,2-Dichloroethane	62	5.748	5.748	0.000	95	8938	0.5000	0.5424	
57 n-Heptane	57		5.902				ND	ND	
59 Trichloroethene	130	6.222	6.222	0.000	90	6782	0.5000	0.5083	
61 Methylcyclohexane	83	6.424	6.424	0.000	90	8307	0.5000	0.4834	
62 1,2-Dichloropropane	63	6.436	6.436	0.000	86	5010	0.5000	0.4795	
65 1,4-Dioxane	88		6.471				ND	ND	U
64 Dibromomethane	174	6.507	6.507	0.000	90	4922	0.5000	0.5157	
66 Dichlorobromomethane	83	6.625	6.625	0.000	96	7510	0.5000	0.4922	
68 2-Chloroethyl vinyl ether	63	6.815	6.815	0.000	92	7319	1.00	0.9250	
69 cis-1,3-Dichloropropene	75	6.969	6.969	0.000	93	9268	0.5000	0.5166	
70 4-Methyl-2-pentanone (MIBK)	43	7.076	7.076	0.000	96	18027	1.00	1.04	
71 Toluene	91	7.266	7.266	0.000	98	21334	0.5000	0.4808	
72 trans-1,3-Dichloropropene	75	7.432	7.432	0.000	96	9266	0.5000	0.5450	
73 Ethyl methacrylate	69	7.444	7.444	0.000	86	6655	0.5000	0.4434	
74 1,1,2-Trichloroethane	97	7.610	7.598	0.012	92	4287	0.5000	0.4550	
75 Tetrachloroethene	166	7.704	7.705	-0.001	92	6931	0.5000	0.5236	
76 1,3-Dichloropropane	76	7.752	7.752	0.000	93	7929	0.5000	0.4909	
77 2-Hexanone	43	7.764	7.764	0.000	95	14302	1.00	1.09	
79 Chlorodibromomethane	129	7.942	7.942	0.000	87	5521	0.5000	0.4697	
81 Ethylene Dibromide	107	8.060	8.060	0.000	97	5854	0.5000	0.5305	
83 Chlorobenzene	112	8.487	8.487	0.000	95	15021	0.5000	0.5132	
85 Ethylbenzene	106	8.546	8.547	-0.001	98	7687	0.5000	0.4835	
84 1,1,1,2-Tetrachloroethane	131	8.546	8.547	-0.001	81	5770	0.5000	0.5031	
86 m-Xylene & p-Xylene	106	8.665	8.665	0.000	96	9677	0.5000	0.5004	
87 o-Xylene	106	9.009	9.009	0.000	95	8932	0.5000	0.4731	
88 Styrene	104	9.033	9.021	0.012	91	14238	0.5000	0.4641	
89 Bromoform	173	9.210	9.211	-0.001	92	4469	0.5000	0.4700	
90 Isopropylbenzene	105	9.341	9.341	0.000	95	24201	0.5000	0.5007	
93 1,1,2,2-Tetrachloroethane	83	9.602	9.602	0.000	95	7537	0.5000	0.5212	
97 trans-1,4-Dichloro-2-butene	53	9.637	9.638	-0.001	74	3365	0.5000	0.5997	
95 Bromobenzene	156	9.661	9.661	0.000	93	6942	0.5000	0.5376	
96 1,2,3-Trichloropropane	110	9.661	9.673	-0.012	83	2680	0.5000	0.5082	
98 N-Propylbenzene	120	9.720	9.721	-0.001	98	6551	0.5000	0.4994	
100 2-Chlorotoluene	126	9.815	9.815	0.000	95	5510	0.5000	0.4848	
101 1,3,5-Trimethylbenzene	105	9.875	9.875	0.000	93	19249	0.5000	0.5063	
102 4-Chlorotoluene	126	9.922	9.934	-0.012	97	6824	0.5000	0.5642	
103 tert-Butylbenzene	119	10.183	10.183	0.000	92	16323	0.5000	0.4932	
105 1,2,4-Trimethylbenzene	105	10.230	10.230	0.000	96	19267	0.5000	0.4983	
106 sec-Butylbenzene	105	10.384	10.385	-0.001	94	24097	0.5000	0.5220	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 4-Isopropyltoluene	119	10.515	10.515	0.000	96	20922	0.5000	0.5117	
107 1,3-Dichlorobenzene	146	10.515	10.515	0.000	90	12861	0.5000	0.5373	
109 1,4-Dichlorobenzene	146	10.610	10.610	0.000	92	13783	0.5000	0.5632	
112 n-Butylbenzene	91	10.906	10.906	0.000	97	18987	0.5000	0.5412	
113 1,2-Dichlorobenzene	146	10.954	10.954	0.000	95	12383	0.5000	0.5431	
114 1,2-Dibromo-3-Chloropropane	157	11.689	11.689	0.000	82	2339	0.5000	0.4724	
116 1,2,4-Trichlorobenzene	180	12.483	12.484	-0.001	92	9647	0.5000	0.6111	
117 Hexachlorobutadiene	225	12.614	12.614	0.000	94	4117	0.5000	0.6300	
118 Naphthalene	128	12.756	12.756	0.000	97	27389	0.5000	0.5331	
119 1,2,3-Trichlorobenzene	180	13.005	12.994	0.011	92	8839	0.5000	0.5937	
S 124 Total BTEX	1				0		2.50	2.41	
S 125 Trihalomethanes, Total	1				0		2.00	1.92	
S 126 1,2-Dichloroethene, Total	96				0			1.07	
S 127 1,3-Dichloropropene, Total	75				0			1.06	
S 128 Xylenes, Total	106				0		1.00	0.9735	

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_00391	Amount Added:	0.40	Units: uL
vmarolistdw_00399	Amount Added:	0.40	Units: uL
vmrprimw_00443	Amount Added:	0.40	Units: uL
vm50ss_00447	Amount Added:	0.40	Units: uL

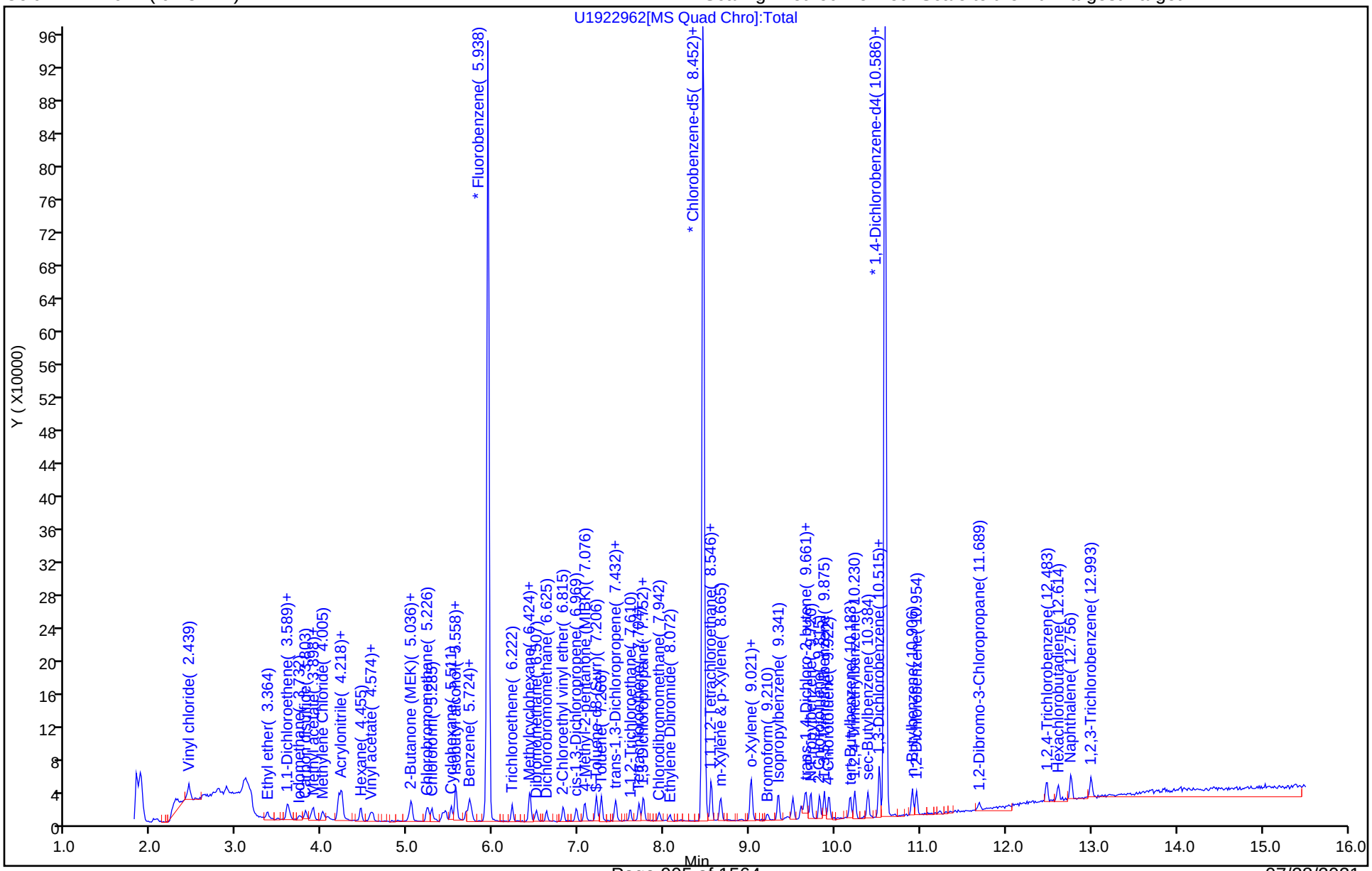
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Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922962.d

Injection Date:	10-Jul-2021 16:37:56	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	std8260 L1			Worklist Smp#:	16
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



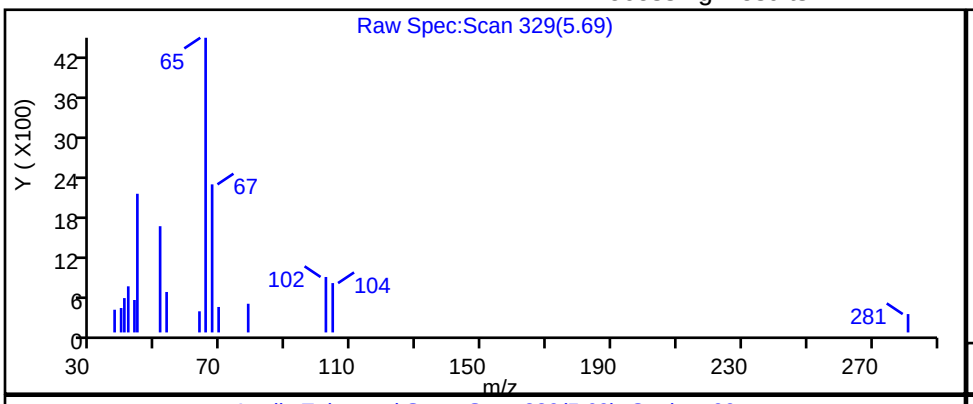
User Disabled Compound Report

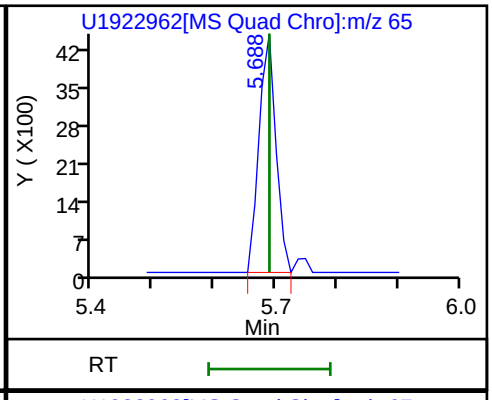
Eurofins TestAmerica, Canton

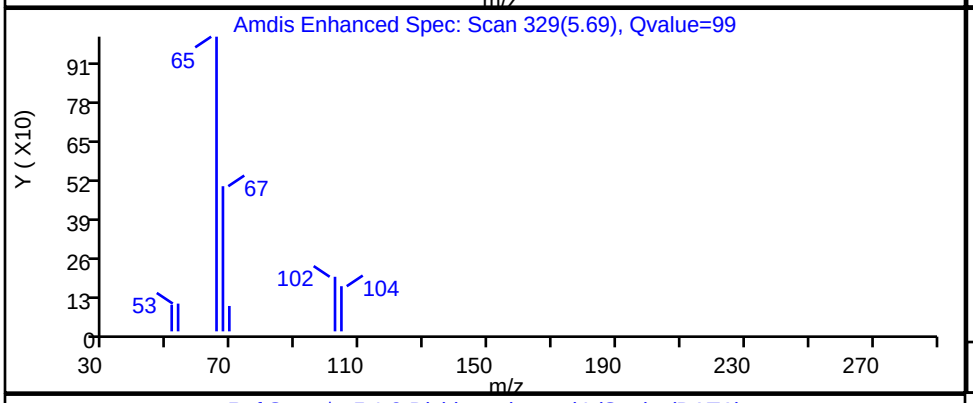
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Injection Date: 10-Jul-2021 16:37:56 Instrument ID: A3UX19
Lims ID: std8260 L1
Client ID:
Operator ID: 001904 ALS Bottle#: 0 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_19 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

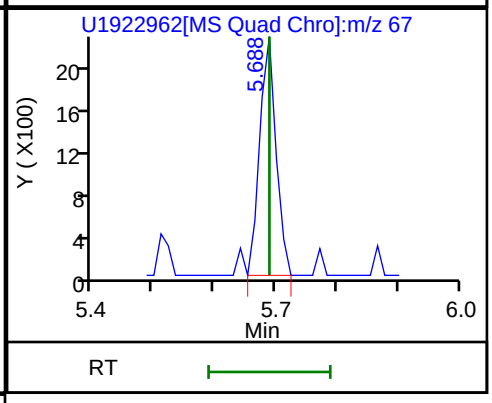
$ 5 1,2-Dichloroethane-d4 (Surr), CAS: 17060-07-0

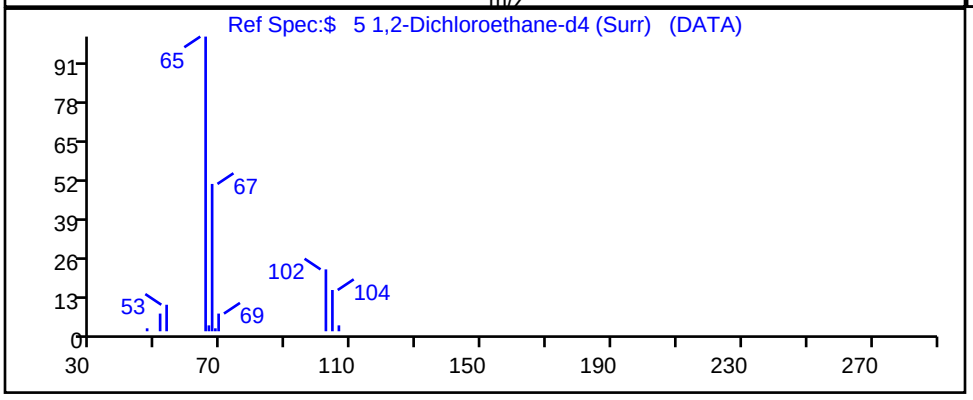
Processing Results











RT	Mass	Response	Amount
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Reviewer: laveyt, 12-Jul-2021 14:43:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

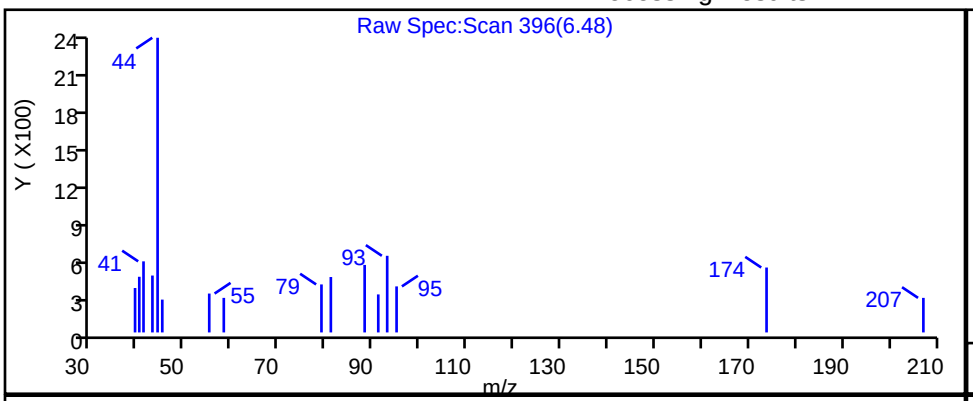
User Disabled Compound Report

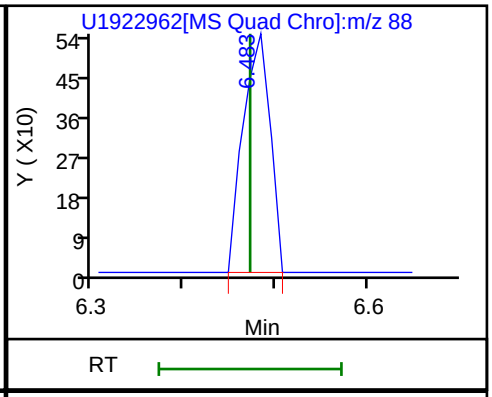
Eurofins TestAmerica, Canton

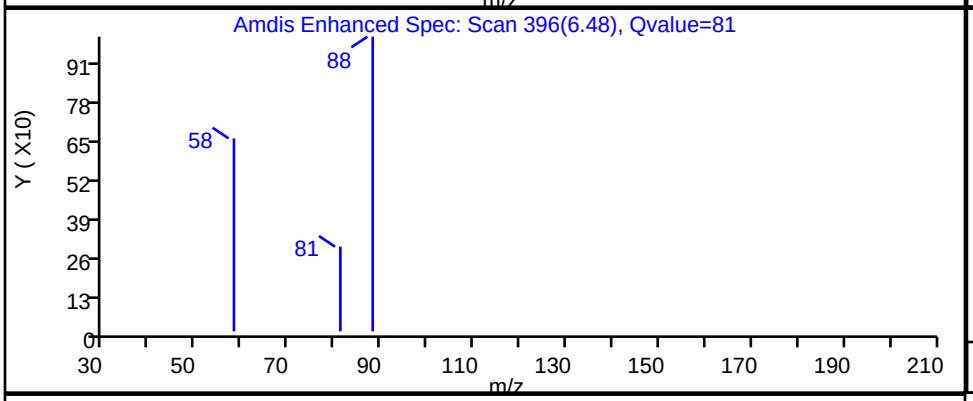
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Injection Date:	10-Jul-2021 16:37:56	Instrument ID:	A3UX19		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

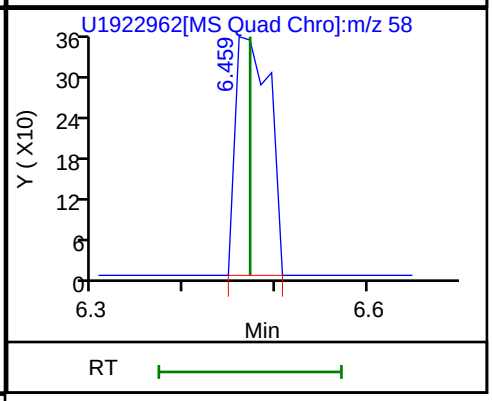
65 1,4-Dioxane, CAS: 123-91-1

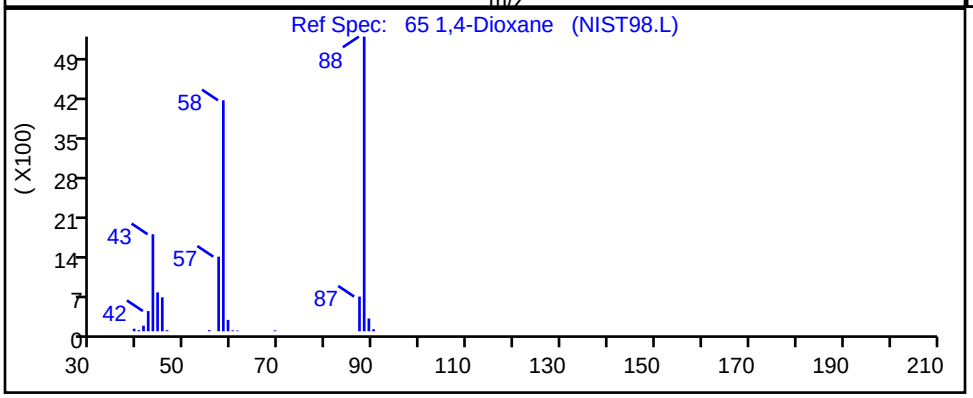
Processing Results











RT	Mass	Response	Amount
6.48	88.00	1122	12.547045
6.46	58.00	907	

Reviewer: laveyt, 12-Jul-2021 14:38:32

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

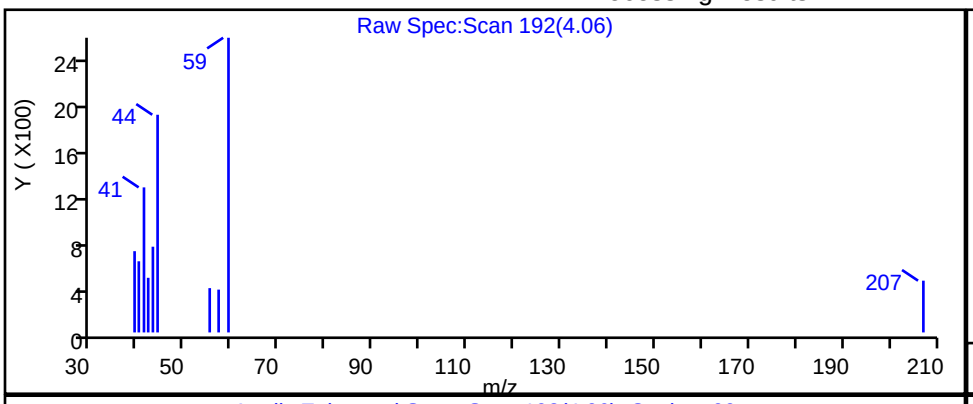
User Disabled Compound Report

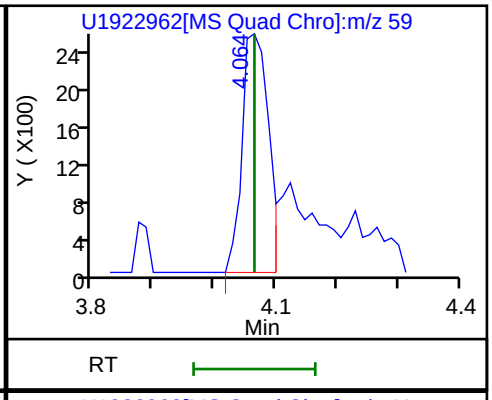
Eurofins TestAmerica, Canton

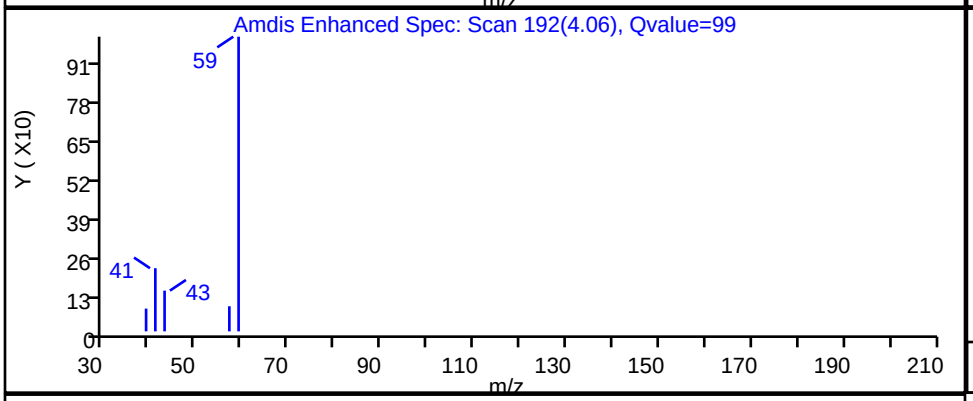
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Injection Date:	10-Jul-2021 16:37:56	Instrument ID:	A3UX19		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

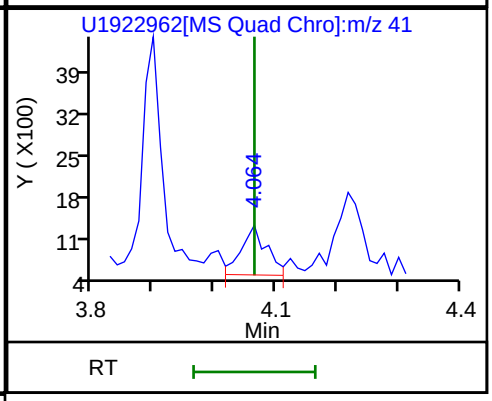
30 2-Methyl-2-propanol, CAS: 75-65-0

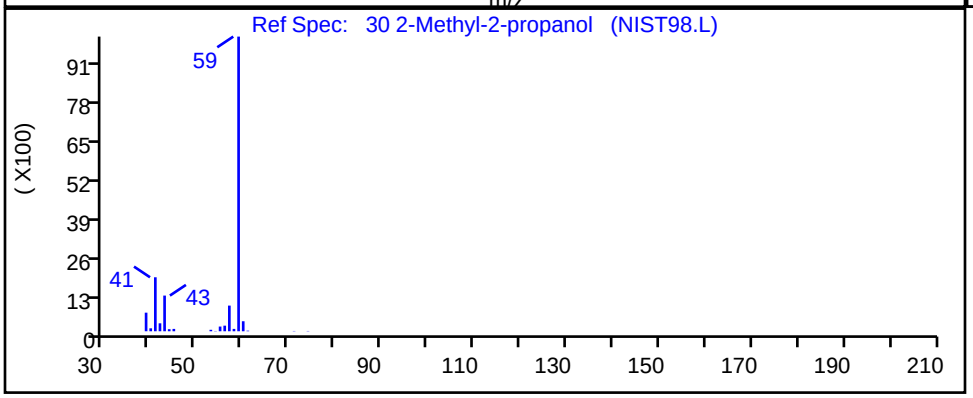
Processing Results











RT	Mass	Response	Amount
4.06	59.00	7797	3.618795
4.06	41.00	2488	

Reviewer: laveyt, 12-Jul-2021 14:37:22

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

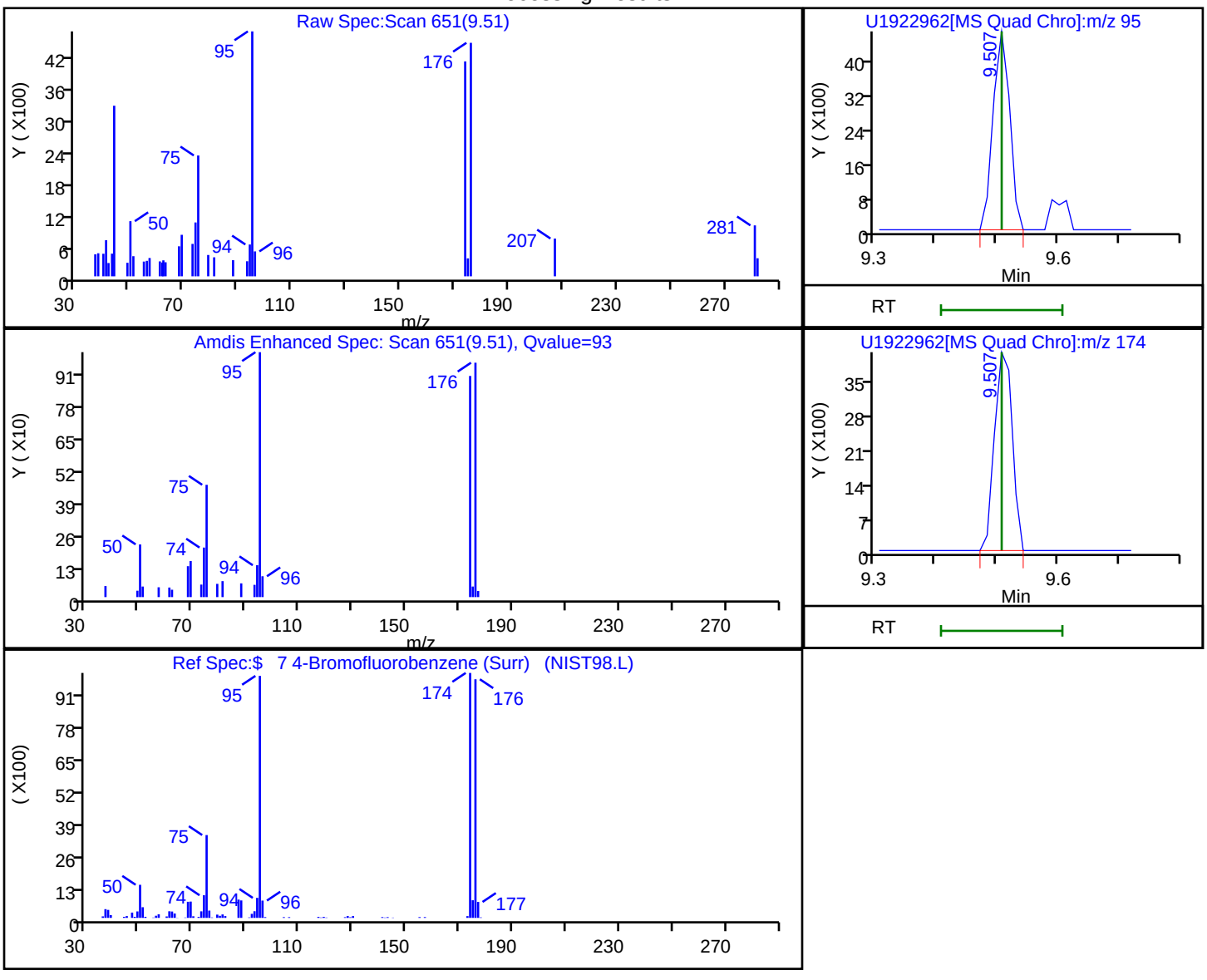
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922962.d				
Injection Date:	10-Jul-2021 16:37:56	Instrument ID:	A3UX19		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

$ 7 4-Bromofluorobenzene (Surr), CAS: 460-00-4

Processing Results



RT	Mass	Response	Amount
9.51	95.00	8766	0.605930
9.51	174.00	8218	

Reviewer: laveyt, 12-Jul-2021 14:44:00

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

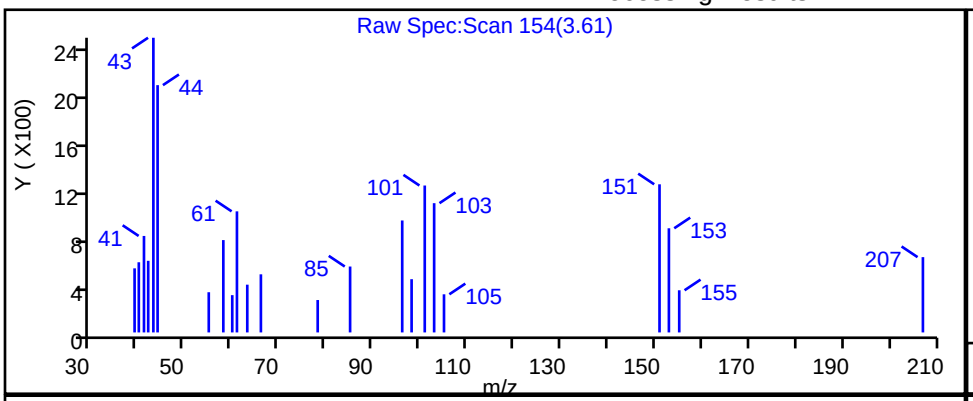
User Disabled Compound Report

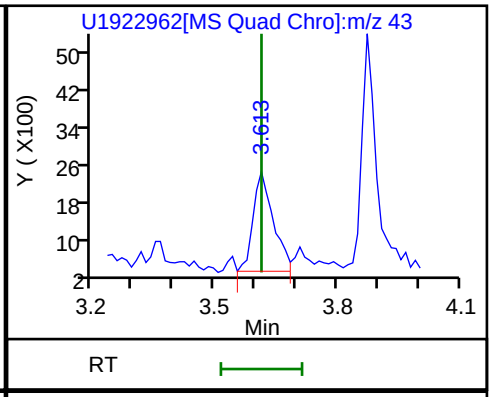
Eurofins TestAmerica, Canton

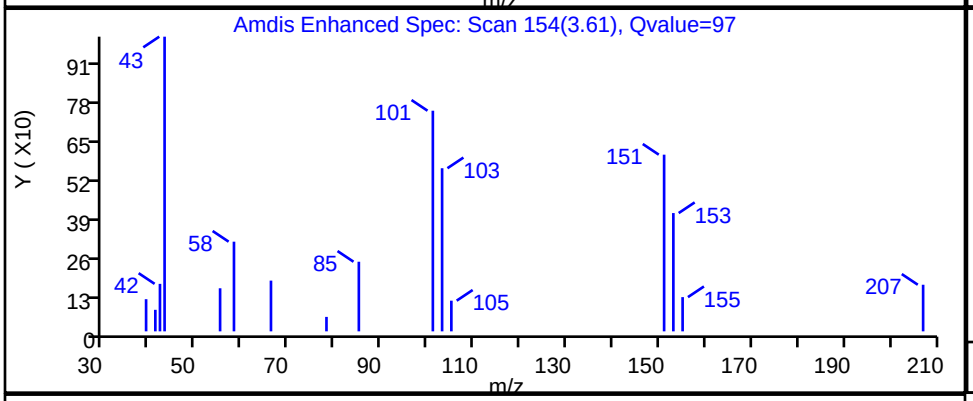
Data File:	\\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922962.d				
Injection Date:	10-Jul-2021 16:37:56	Instrument ID:	A3UX19		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

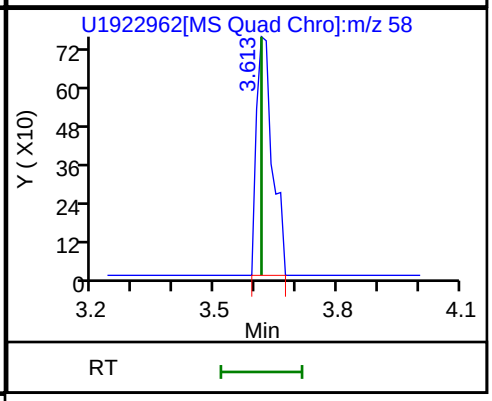
22 Acetone, CAS: 67-64-1

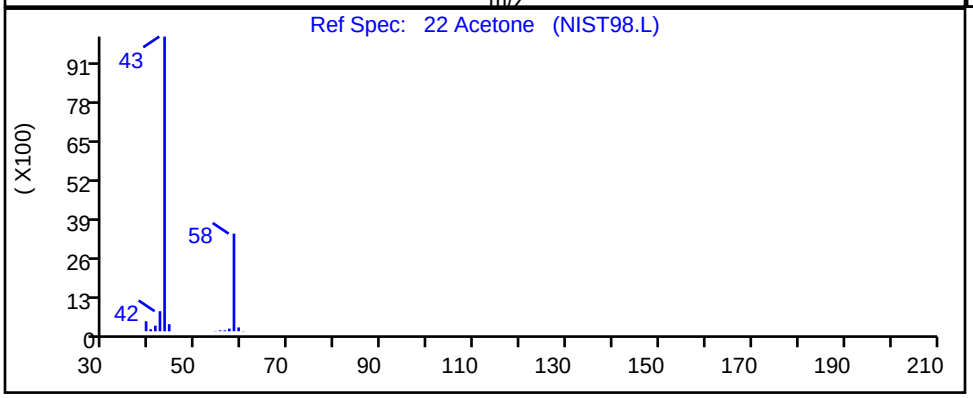
Processing Results











RT	Mass	Response	Amount
3.61	43.00	7292	1.284524
3.61	58.00	2069	

Reviewer: laveyt, 12-Jul-2021 14:36:52

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

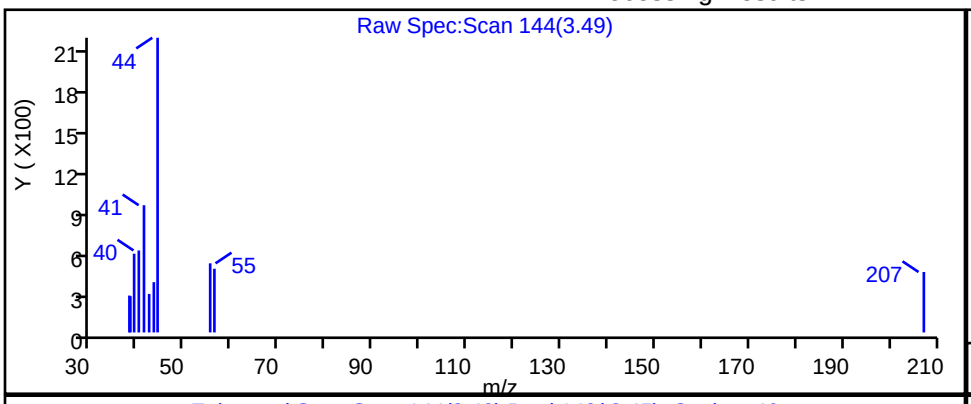
User Disabled Compound Report

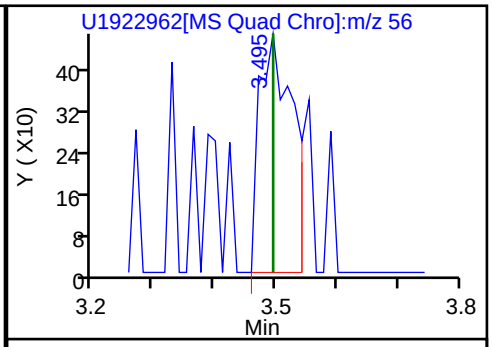
Eurofins TestAmerica, Canton

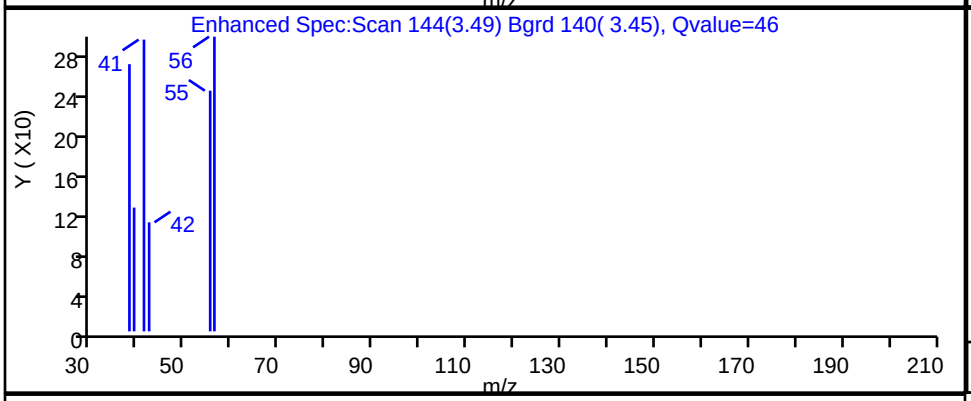
Data File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922962.d
Injection Date: 10-Jul-2021 16:37:56 Instrument ID: A3UX19
Lims ID: std8260 L1
Client ID:
Operator ID: 001904 ALS Bottle#: 0 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_19 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

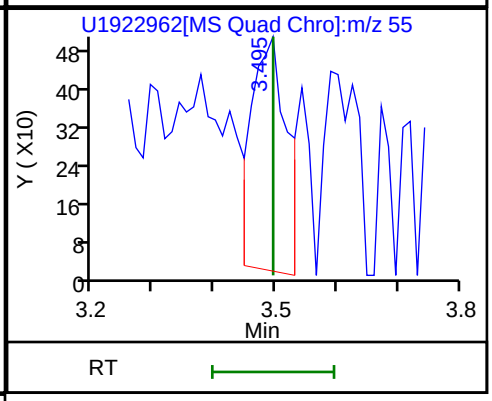
19 Acrolein, CAS: 107-02-8

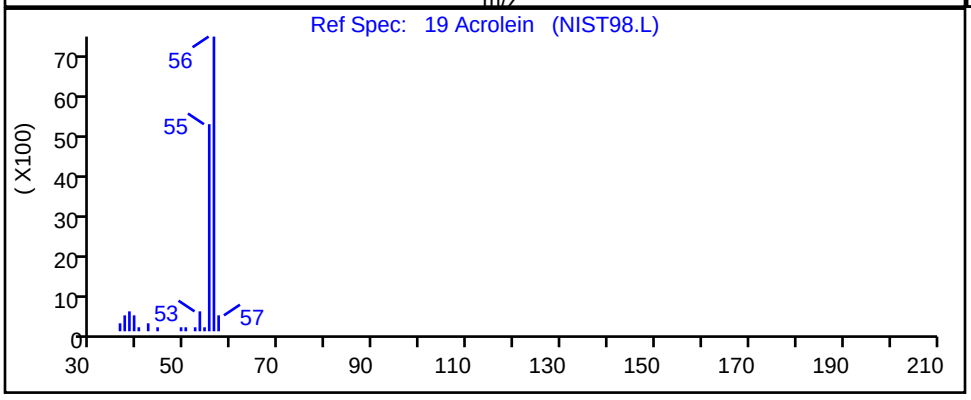
Processing Results











RT	Mass	Response	Amount
3.49	56.00	1802	5.748904
3.49	55.00	2068	

Reviewer: laveyt, 12-Jul-2021 14:35:20
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

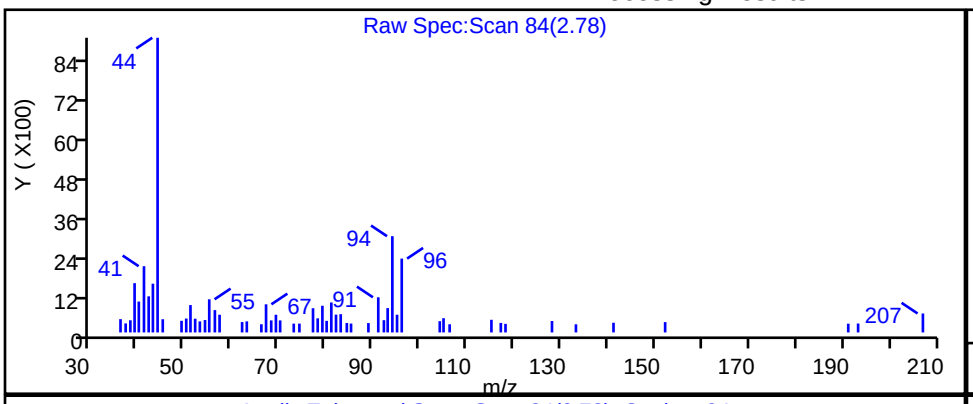
User Disabled Compound Report

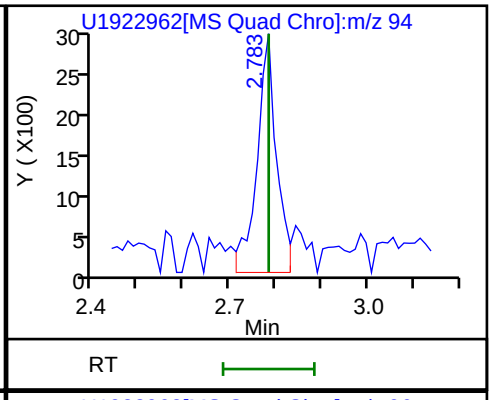
Eurofins TestAmerica, Canton

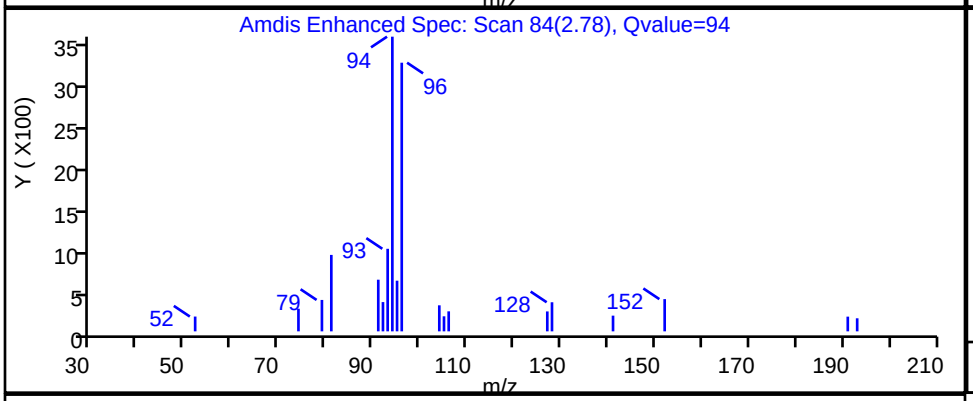
Data File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922962.d
Injection Date: 10-Jul-2021 16:37:56 Instrument ID: A3UX19
Lims ID: std8260 L1
Client ID:
Operator ID: 001904 ALS Bottle#: 0 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_19 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

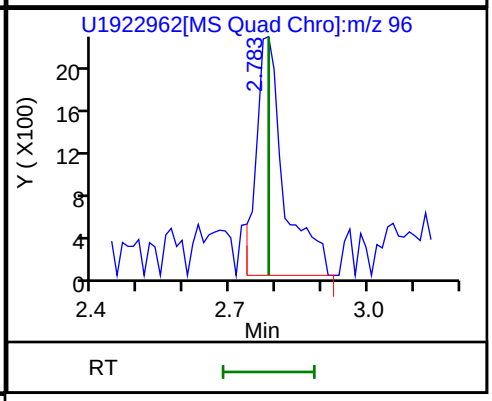
13 Bromomethane, CAS: 74-83-9

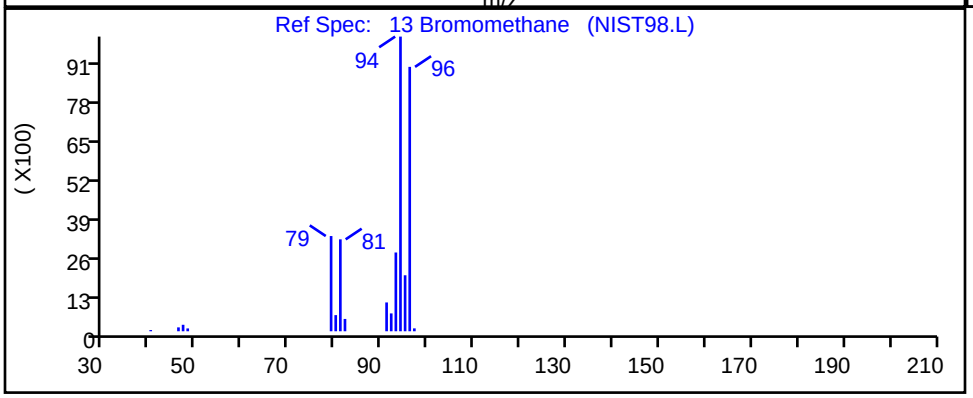
Processing Results











RT	Mass	Response	Amount
2.78	94.00	8850	0.341206
2.78	96.00	9596	

Reviewer: laveyt, 12-Jul-2021 14:34:15
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

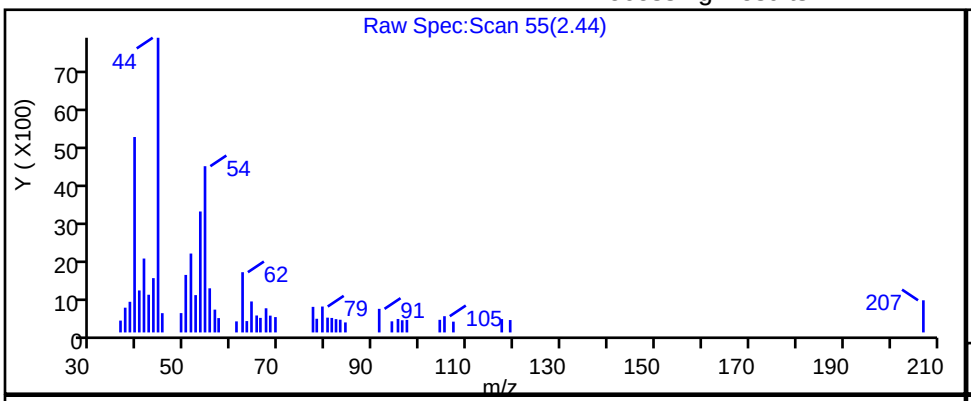
User Disabled Compound Report

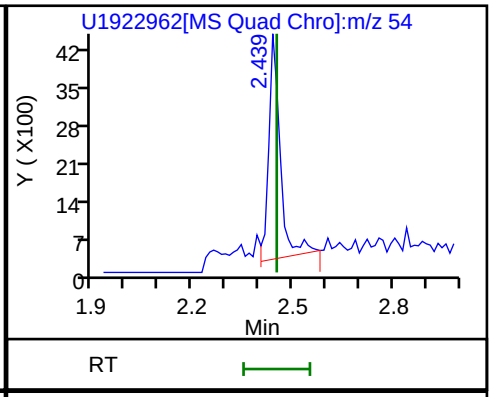
Eurofins TestAmerica, Canton

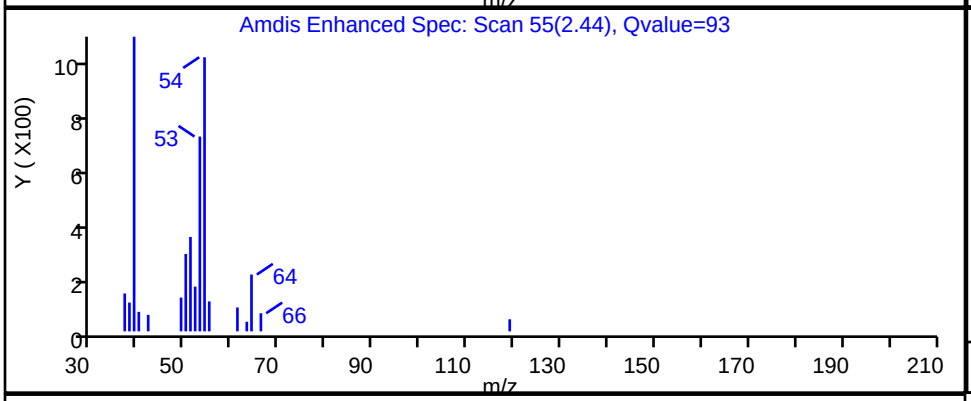
Data File:	\\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922962.d				
Injection Date:	10-Jul-2021 16:37:56	Instrument ID:	A3UX19		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

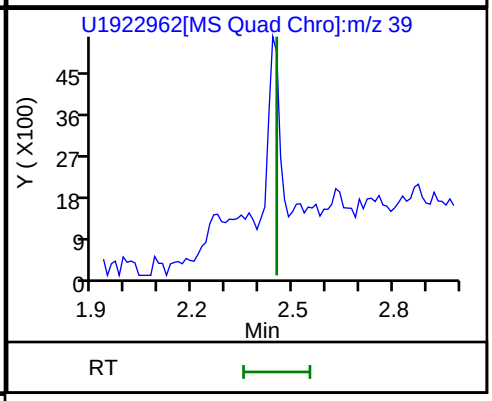
11 Butadiene, CAS: 106-99-0

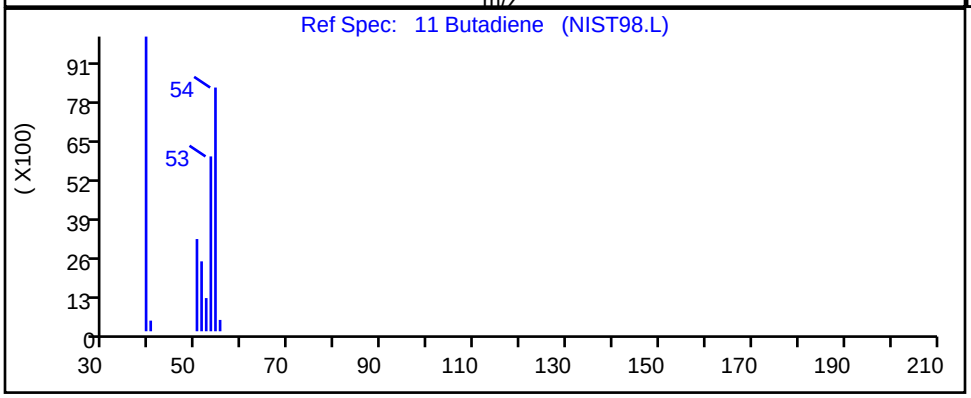
Processing Results











RT	Mass	Response	Amount
2.44	54.00	9931	0.630296
2.44	39.00	77562	

Reviewer: laveyt, 12-Jul-2021 14:34:04

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

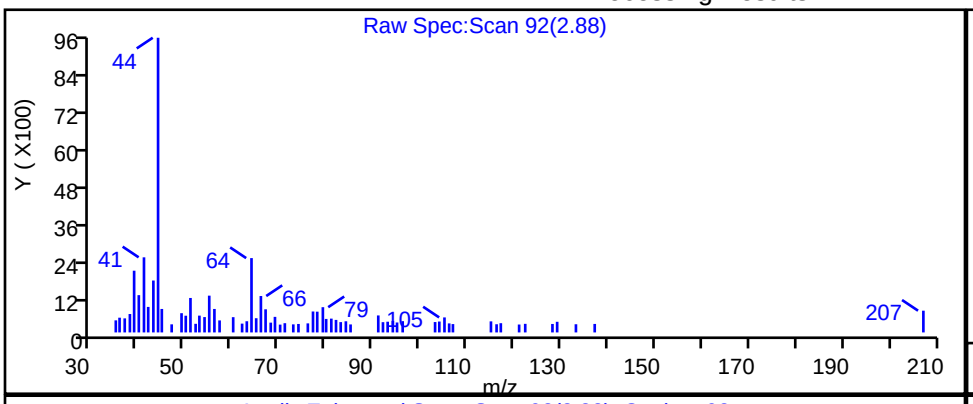
User Disabled Compound Report

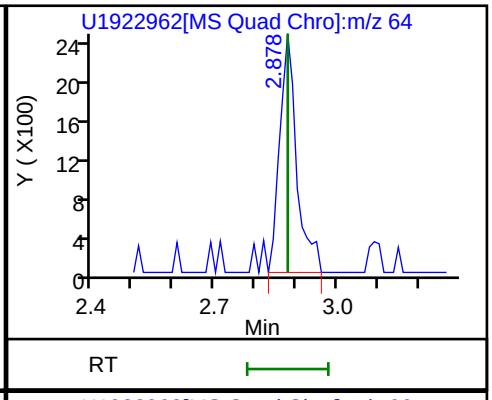
Eurofins TestAmerica, Canton

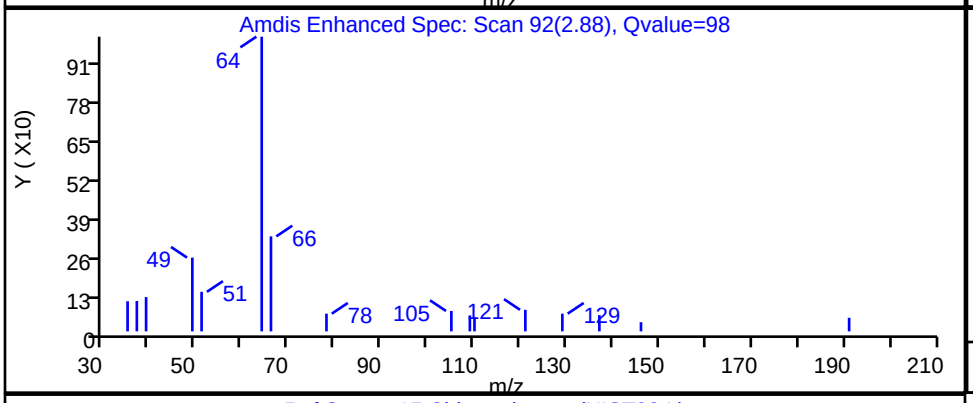
Data File:	\\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922962.d				
Injection Date:	10-Jul-2021 16:37:56	Instrument ID:	A3UX19		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

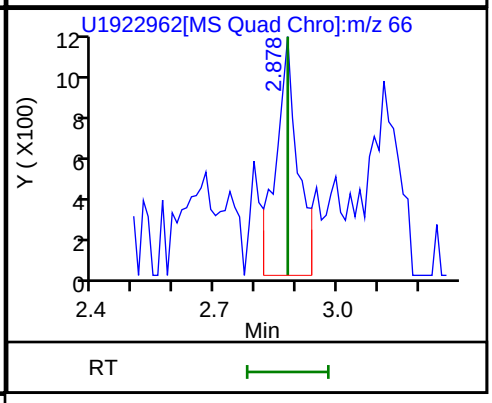
15 Chloroethane, CAS: 75-00-3

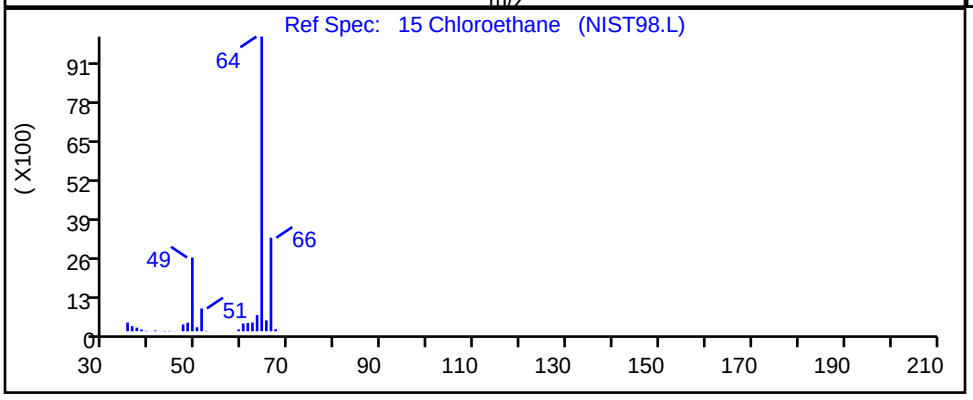
Processing Results











RT	Mass	Response	Amount
2.88	64.00	6992	0.372110
2.88	66.00	4480	

Reviewer: laveyt, 12-Jul-2021 14:34:33

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

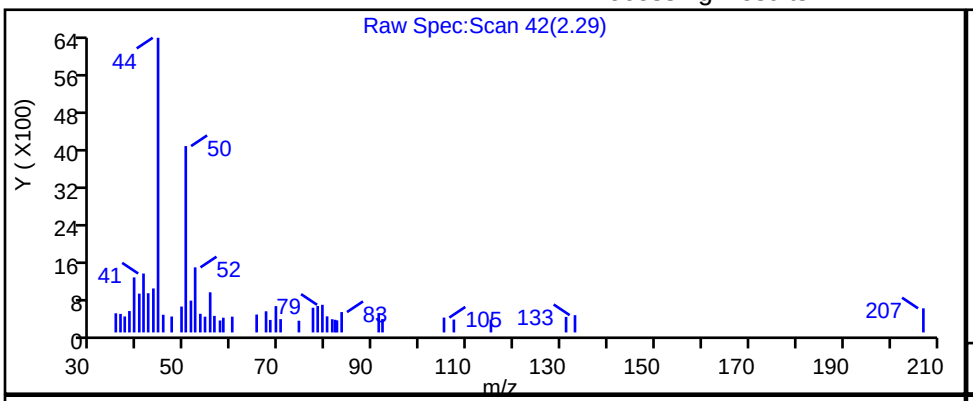
User Disabled Compound Report

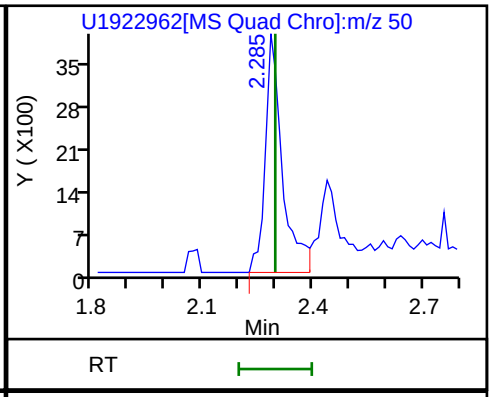
Eurofins TestAmerica, Canton

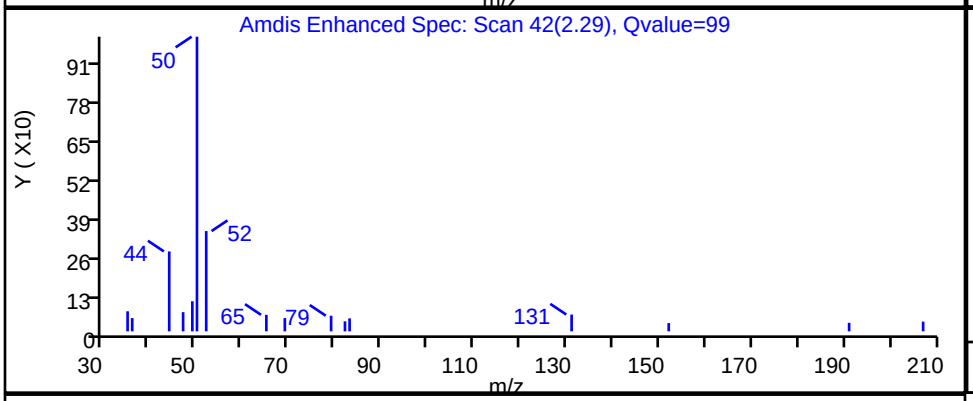
Data File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922962.d
Injection Date: 10-Jul-2021 16:37:56 Instrument ID: A3UX19
Lims ID: std8260 L1
Client ID:
Operator ID: 001904 ALS Bottle#: 0 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_19 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

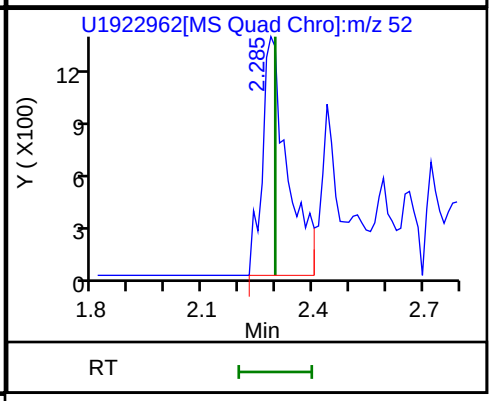
10 Chloromethane, CAS: 74-87-3

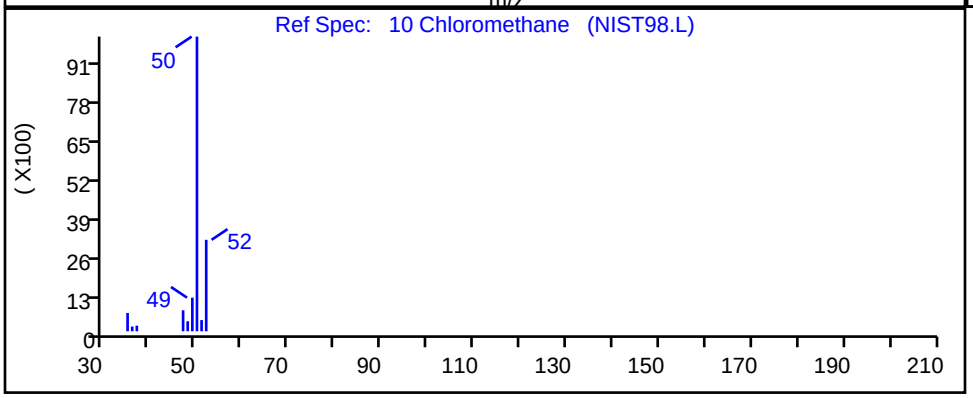
Processing Results











RT	Mass	Response	Amount
2.29	50.00	12991	0.444165
2.29	52.00	6688	

Reviewer: laveyt, 12-Jul-2021 14:33:30
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

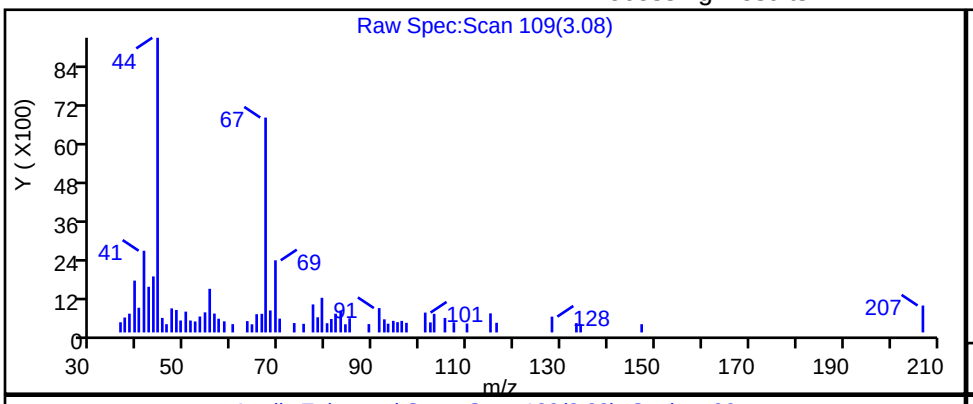
User Disabled Compound Report

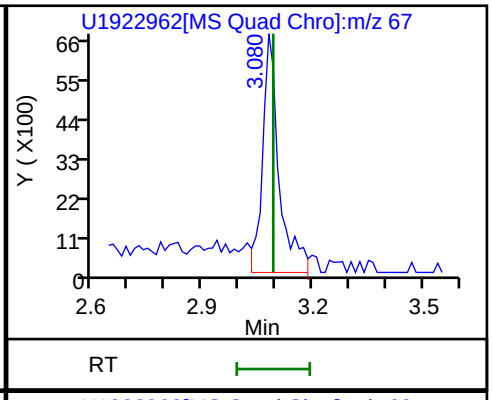
Eurofins TestAmerica, Canton

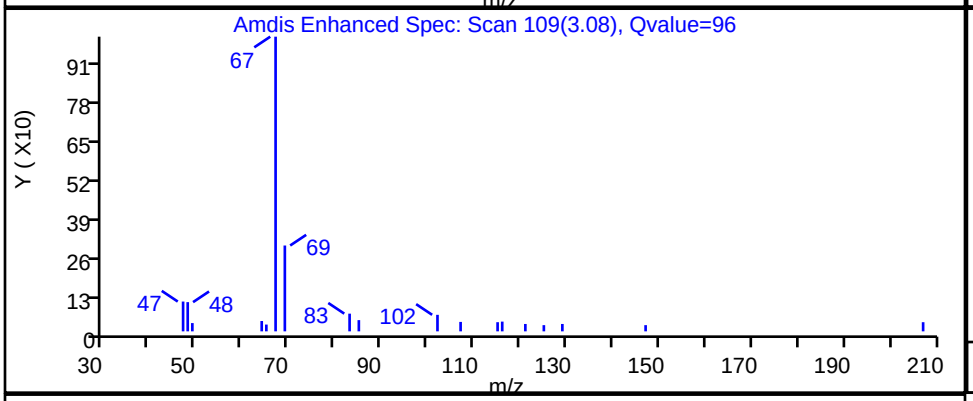
Data File:	\\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922962.d				
Injection Date:	10-Jul-2021 16:37:56	Instrument ID:	A3UX19		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

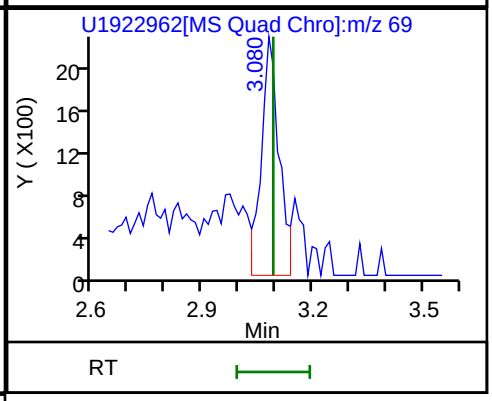
16 Dichlorofluoromethane, CAS: 75-43-4

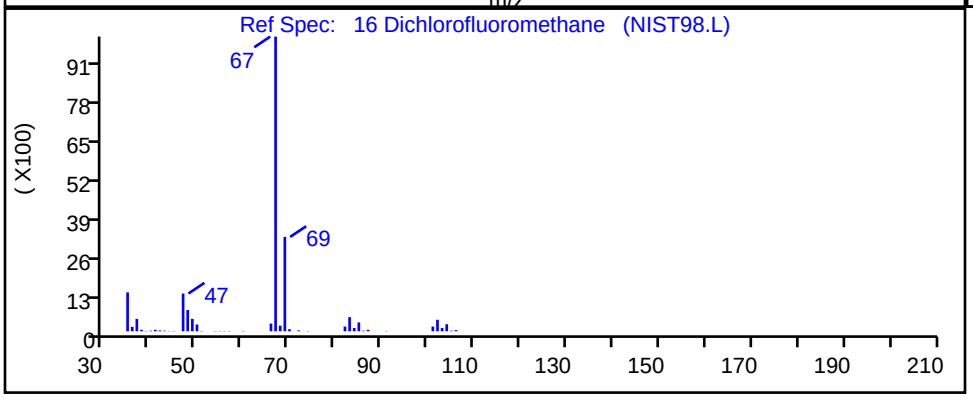
Processing Results











RT	Mass	Response	Amount
3.08	67.00	21263	0.410972
3.08	69.00	7815	

Reviewer: laveyt, 12-Jul-2021 14:34:47

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

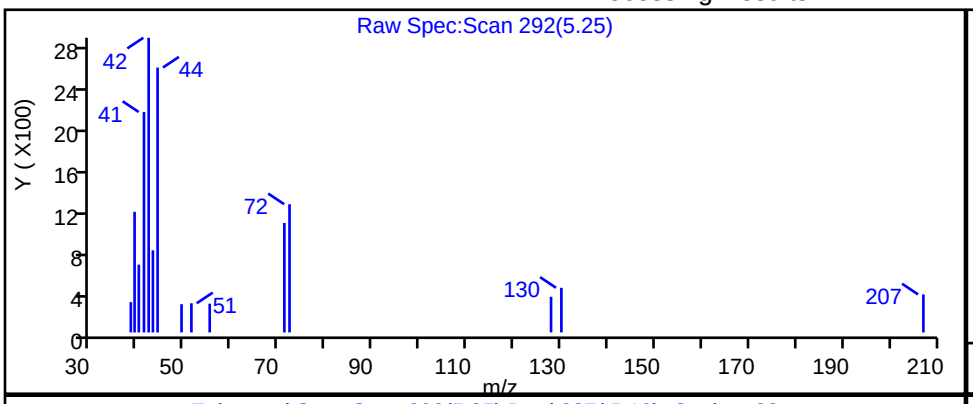
User Disabled Compound Report

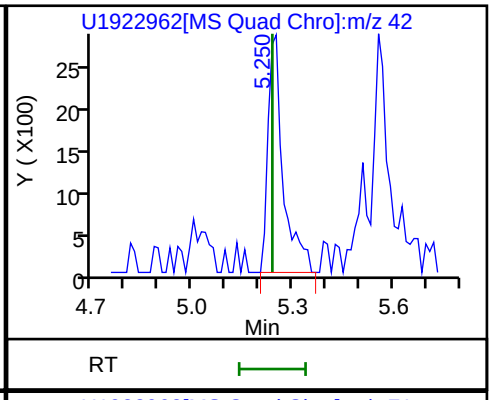
Eurofins TestAmerica, Canton

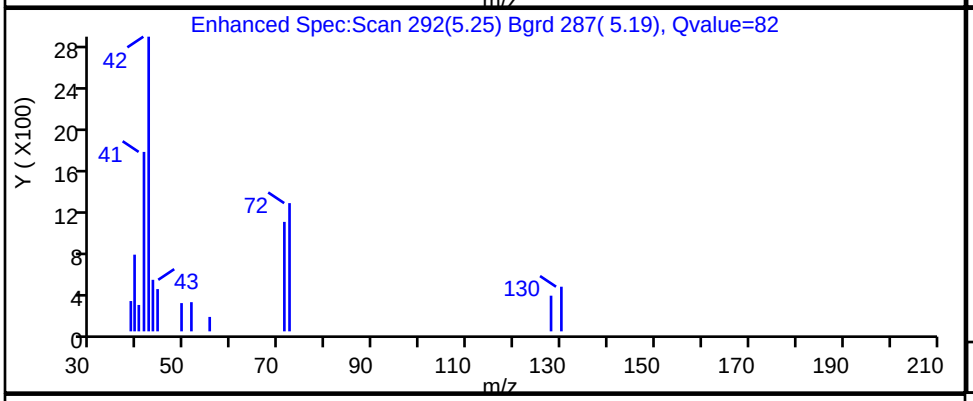
Data File:	\\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922962.d				
Injection Date:	10-Jul-2021 16:37:56	Instrument ID:	A3UX19		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

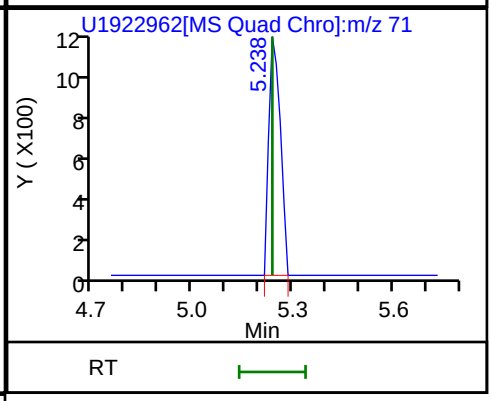
47 Tetrahydrofuran, CAS: 109-99-9

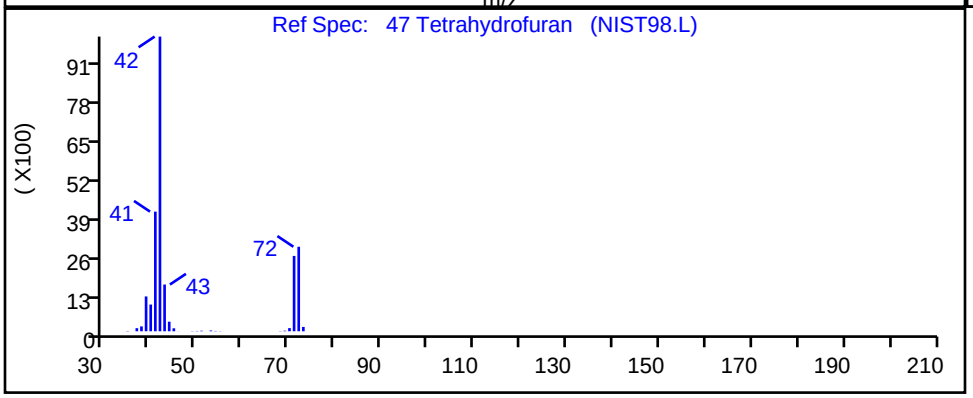
Processing Results











RT	Mass	Response	Amount
5.25	42.00	9047	1.386066
5.24	71.00	2895	

Reviewer: laveyt, 12-Jul-2021 14:37:56

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

Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

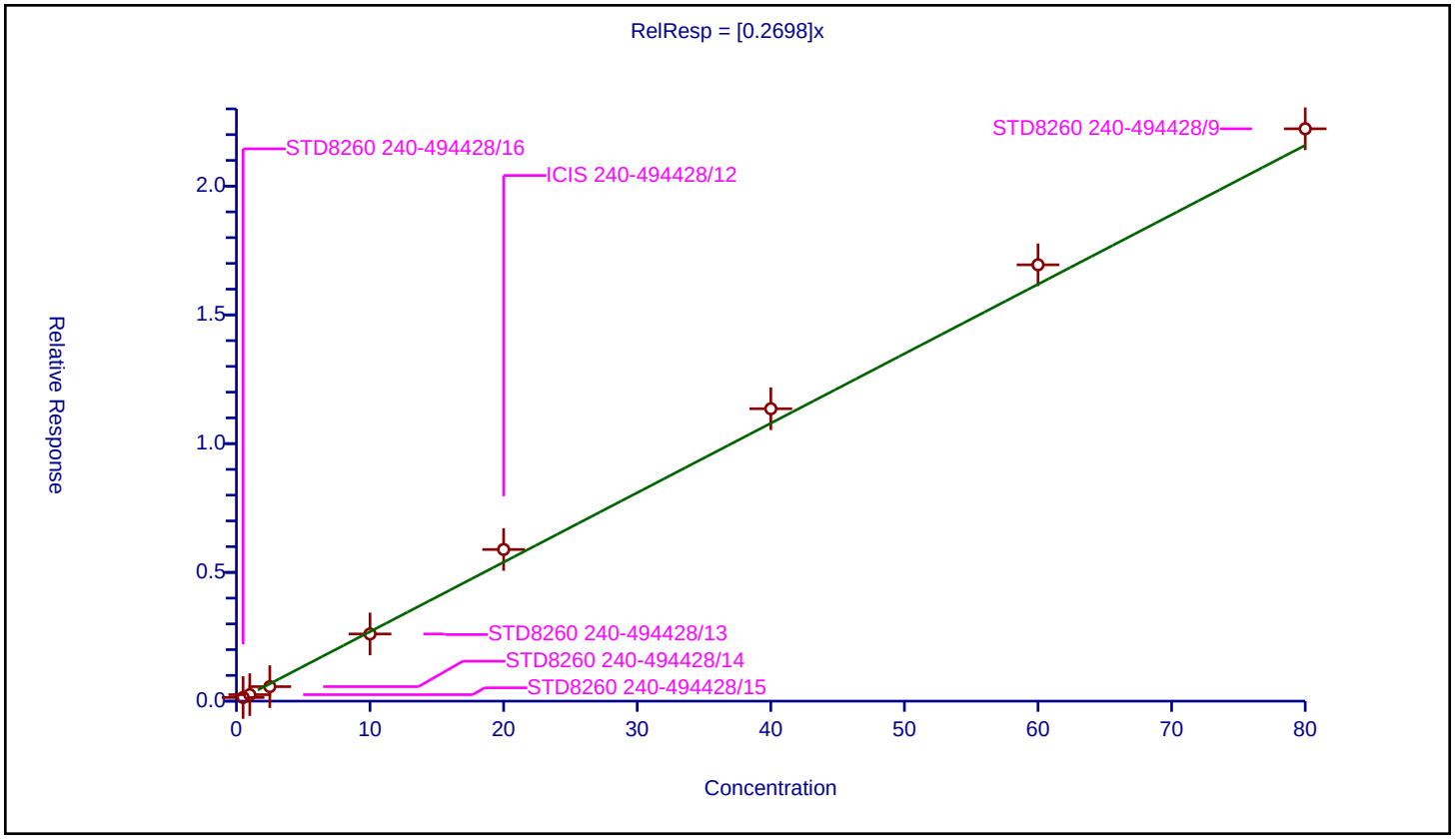
Curve Coefficients

Intercept:	0
Slope:	0.2698

Error Coefficients

Standard Error:	550000
Relative Standard Error:	8.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.140854	20.0	816451.0	0.281707	Y
2	STD8260 240-494428/15	1.0	0.252111	20.0	836456.0	0.252111	Y
3	STD8260 240-494428/14	2.5	0.56299	20.0	858026.0	0.225196	Y
4	STD8260 240-494428/13	10.0	2.609584	20.0	887061.0	0.260958	Y
5	ICIS 240-494428/12	20.0	5.889142	20.0	908893.0	0.294457	Y
6	STD8260 240-494428/11	40.0	11.356433	20.0	937002.0	0.283911	Y
7	STD8260 240-494428/10	60.0	16.945396	20.0	952883.0	0.282423	Y
8	STD8260 240-494428/9	80.0	22.227388	20.0	942449.0	0.277842	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

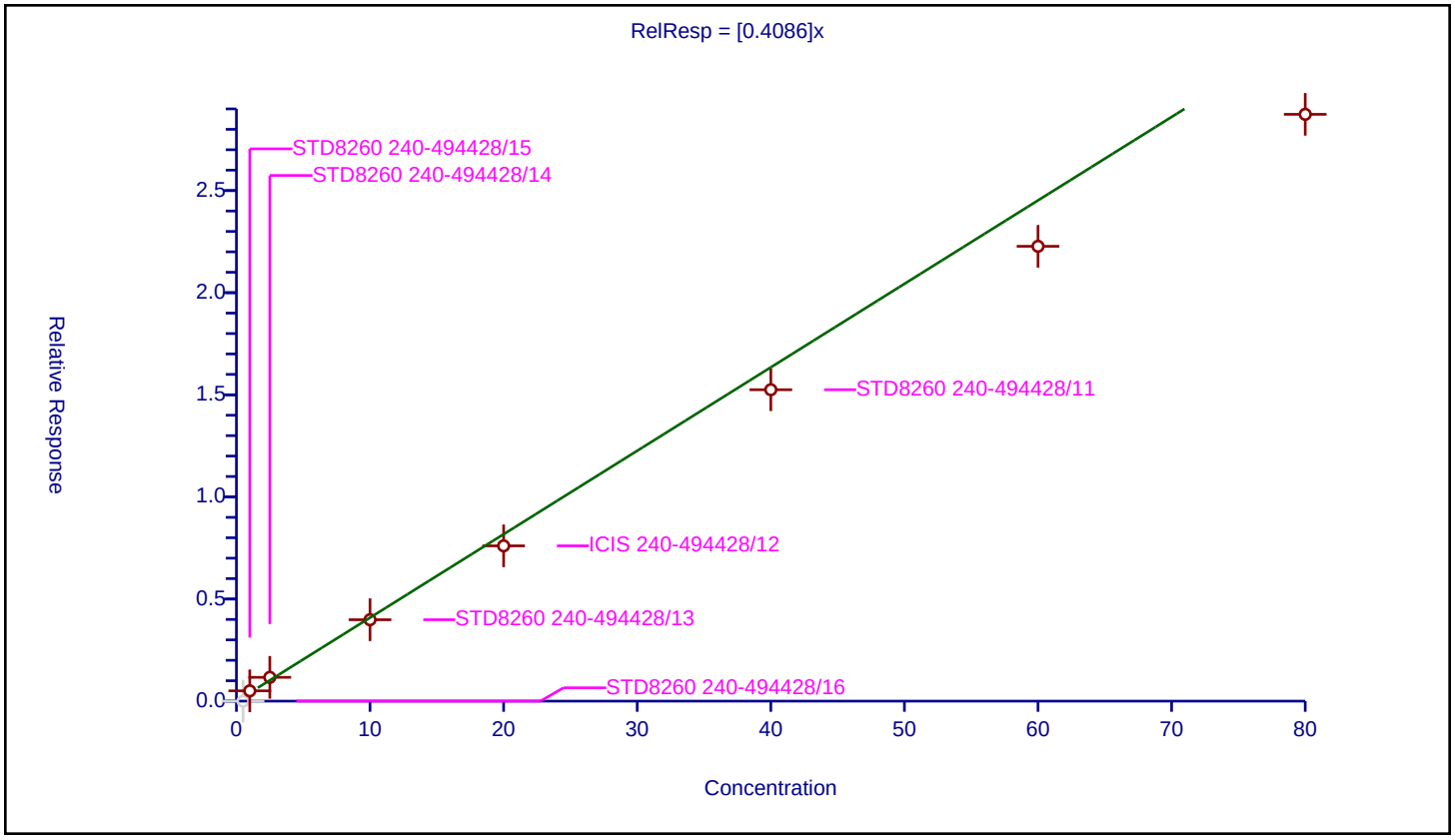
Curve Coefficients

Intercept:	0
Slope:	0.4086

Error Coefficients

Standard Error:	777000
Relative Standard Error:	13.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.0	20.0	816451.0	0.0	N
2	STD8260 240-494428/15	1.0	0.504199	20.0	836456.0	0.504199	Y
3	STD8260 240-494428/14	2.5	1.164976	20.0	858026.0	0.465991	Y
4	STD8260 240-494428/13	10.0	3.985679	20.0	887061.0	0.398568	Y
5	ICIS 240-494428/12	20.0	7.603909	20.0	908893.0	0.380195	Y
6	STD8260 240-494428/11	40.0	15.248975	20.0	937002.0	0.381224	Y
7	STD8260 240-494428/10	60.0	22.271444	20.0	952883.0	0.371191	Y
8	STD8260 240-494428/9	80.0	28.733311	20.0	942449.0	0.359166	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

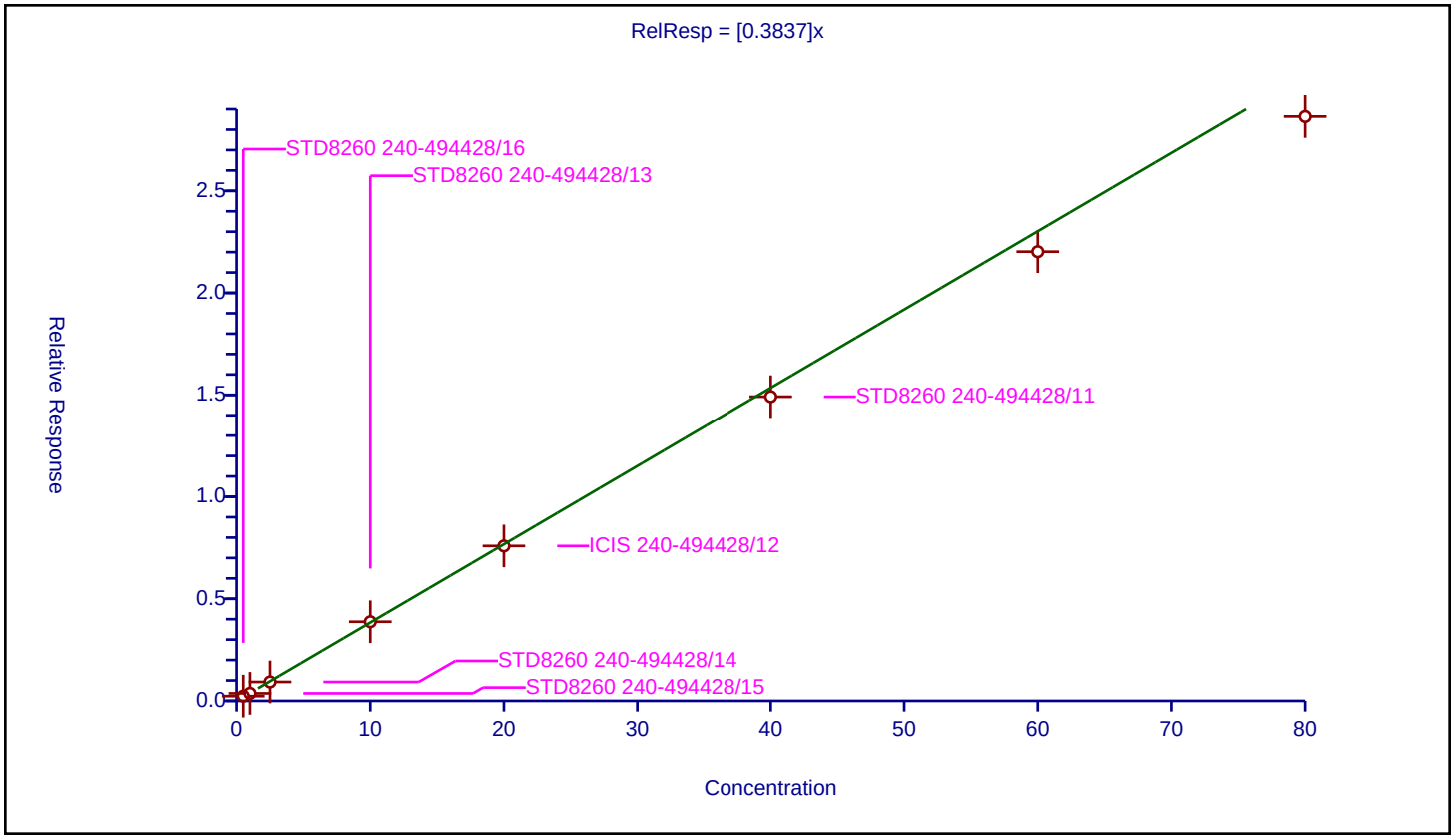
Curve Coefficients

Intercept:	0
Slope:	0.3837

Error Coefficients

Standard Error:	713000
Relative Standard Error:	8.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.232739	20.0	816451.0	0.465478	Y
2	STD8260 240-494428/15	1.0	0.368459	20.0	836456.0	0.368459	Y
3	STD8260 240-494428/14	2.5	0.926848	20.0	858026.0	0.370739	Y
4	STD8260 240-494428/13	10.0	3.874796	20.0	887061.0	0.38748	Y
5	ICIS 240-494428/12	20.0	7.589276	20.0	908893.0	0.379464	Y
6	STD8260 240-494428/11	40.0	14.912369	20.0	937002.0	0.372809	Y
7	STD8260 240-494428/10	60.0	22.022032	20.0	952883.0	0.367034	Y
8	STD8260 240-494428/9	80.0	28.641147	20.0	942449.0	0.358014	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

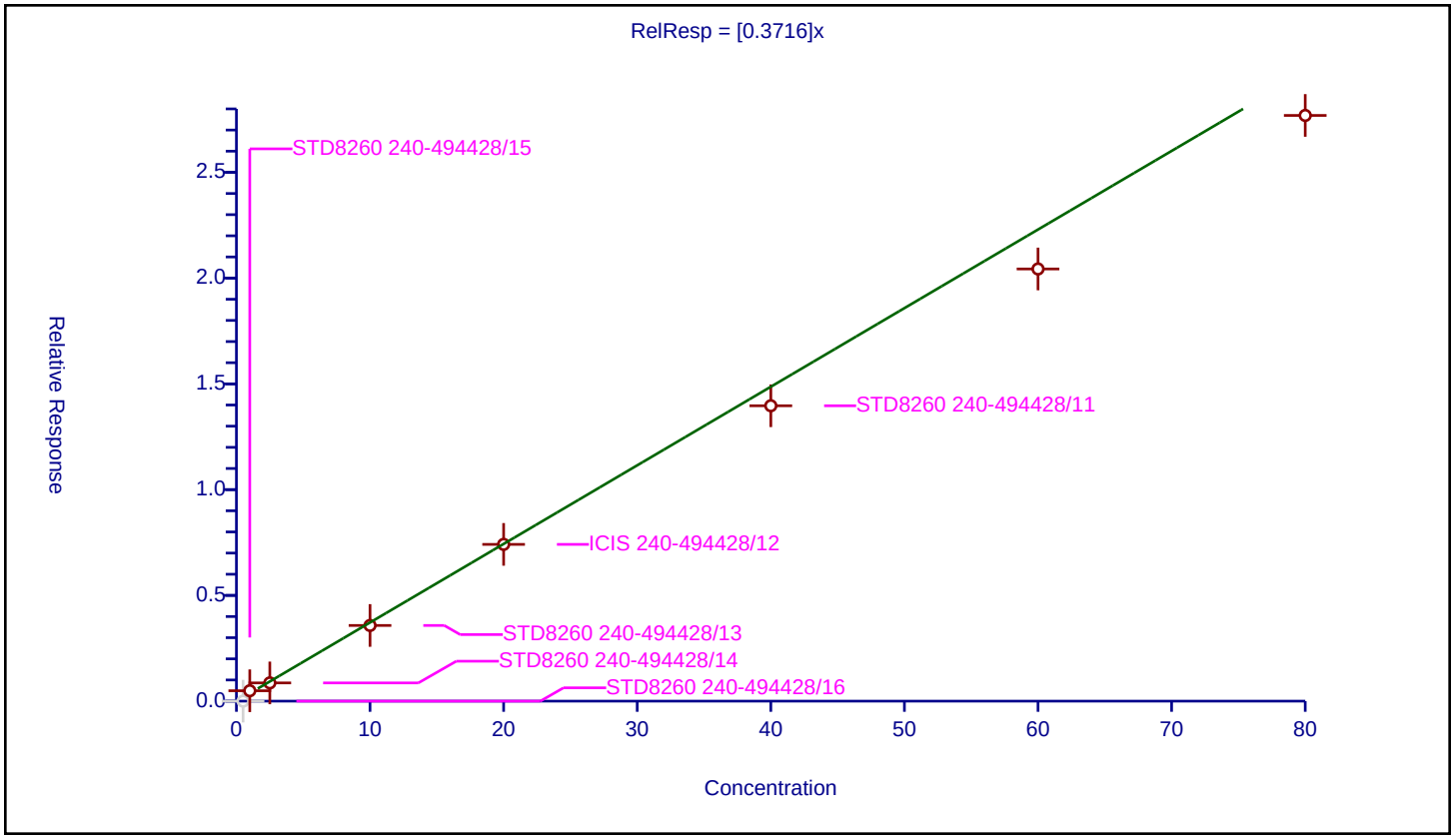
Curve Coefficients

Intercept:	0
Slope:	0.3716

Error Coefficients

Standard Error:	732000
Relative Standard Error:	14.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.0	20.0	816451.0	0.0	N
2	STD8260 240-494428/15	1.0	0.492124	20.0	836456.0	0.492124	Y
3	STD8260 240-494428/14	2.5	0.862421	20.0	858026.0	0.344969	Y
4	STD8260 240-494428/13	10.0	3.577634	20.0	887061.0	0.357763	Y
5	ICIS 240-494428/12	20.0	7.410883	20.0	908893.0	0.370544	Y
6	STD8260 240-494428/11	40.0	13.965008	20.0	937002.0	0.349125	Y
7	STD8260 240-494428/10	60.0	20.431868	20.0	952883.0	0.340531	Y
8	STD8260 240-494428/9	80.0	27.689859	20.0	942449.0	0.346123	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

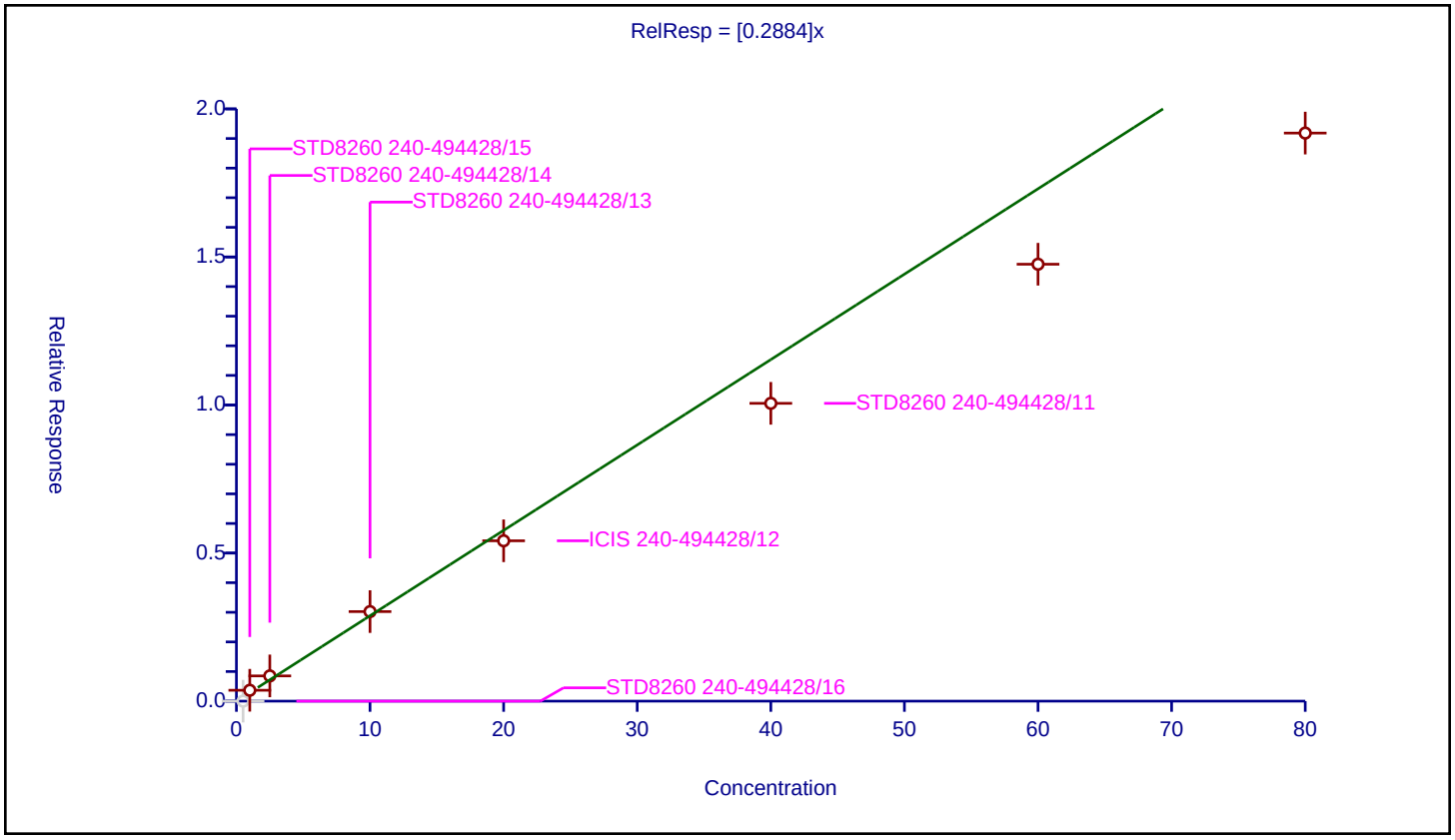
Curve Coefficients

Intercept:	0
Slope:	0.2884

Error Coefficients

Standard Error:	519000
Relative Standard Error:	17.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.954

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.0	20.0	816451.0	0.0	N
2	STD8260 240-494428/15	1.0	0.367288	20.0	836456.0	0.367288	Y
3	STD8260 240-494428/14	2.5	0.852282	20.0	858026.0	0.340913	Y
4	STD8260 240-494428/13	10.0	3.024166	20.0	887061.0	0.302417	Y
5	ICIS 240-494428/12	20.0	5.414609	20.0	908893.0	0.27073	Y
6	STD8260 240-494428/11	40.0	10.056734	20.0	937002.0	0.251418	Y
7	STD8260 240-494428/10	60.0	14.754487	20.0	952883.0	0.245908	Y
8	STD8260 240-494428/9	80.0	19.183256	20.0	942449.0	0.239791	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

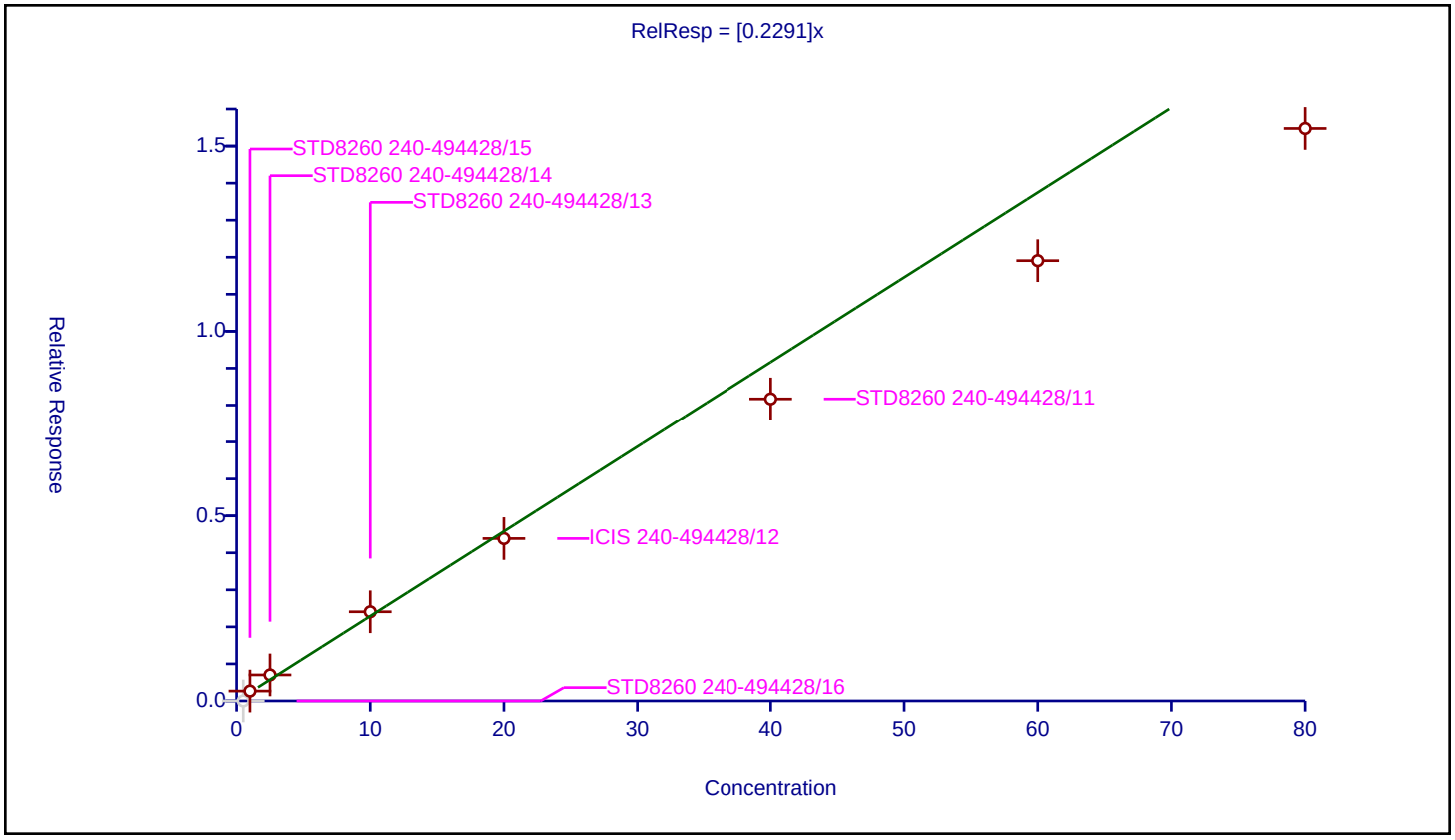
Curve Coefficients

Intercept:	0
Slope:	0.2291

Error Coefficients

Standard Error:	419000
Relative Standard Error:	15.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.968

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.0	20.0	816451.0	0.0	N
2	STD8260 240-494428/15	1.0	0.266792	20.0	836456.0	0.266792	Y
3	STD8260 240-494428/14	2.5	0.70161	20.0	858026.0	0.280644	Y
4	STD8260 240-494428/13	10.0	2.408245	20.0	887061.0	0.240824	Y
5	ICIS 240-494428/12	20.0	4.387293	20.0	908893.0	0.219365	Y
6	STD8260 240-494428/11	40.0	8.168499	20.0	937002.0	0.204212	Y
7	STD8260 240-494428/10	60.0	11.907107	20.0	952883.0	0.198452	Y
8	STD8260 240-494428/9	80.0	15.475405	20.0	942449.0	0.193443	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

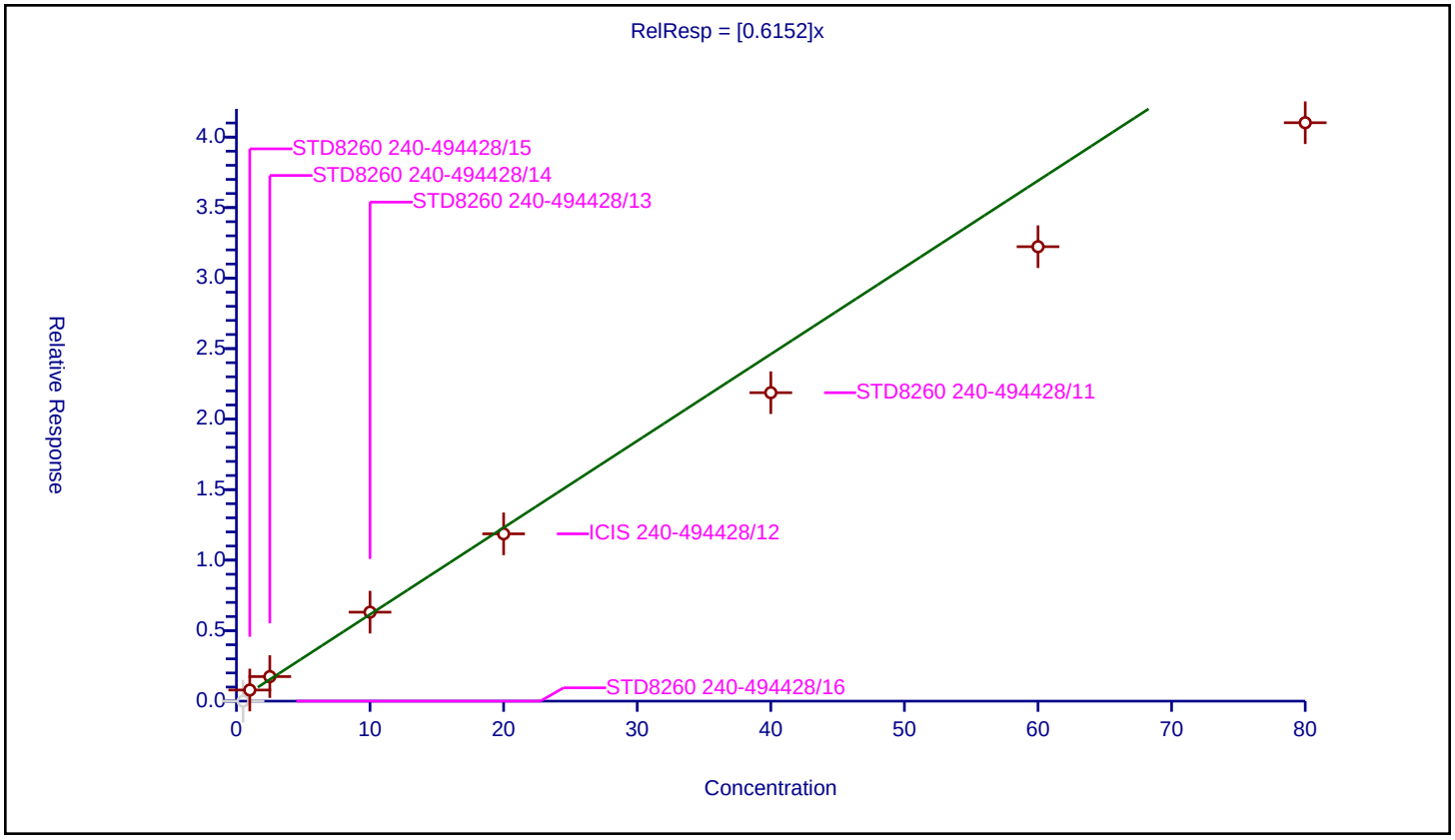
Curve Coefficients

Intercept:	0
Slope:	0.6152

Error Coefficients

Standard Error:	1120000
Relative Standard Error:	16.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.961

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.0	20.0	816451.0	0.0	N
2	STD8260 240-494428/15	1.0	0.789235	20.0	836456.0	0.789235	Y
3	STD8260 240-494428/14	2.5	1.739621	20.0	858026.0	0.695848	Y
4	STD8260 240-494428/13	10.0	6.310186	20.0	887061.0	0.631019	Y
5	ICIS 240-494428/12	20.0	11.863839	20.0	908893.0	0.593192	Y
6	STD8260 240-494428/11	40.0	21.875556	20.0	937002.0	0.546889	Y
7	STD8260 240-494428/10	60.0	32.227608	20.0	952883.0	0.537127	Y
8	STD8260 240-494428/9	80.0	41.020151	20.0	942449.0	0.512752	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

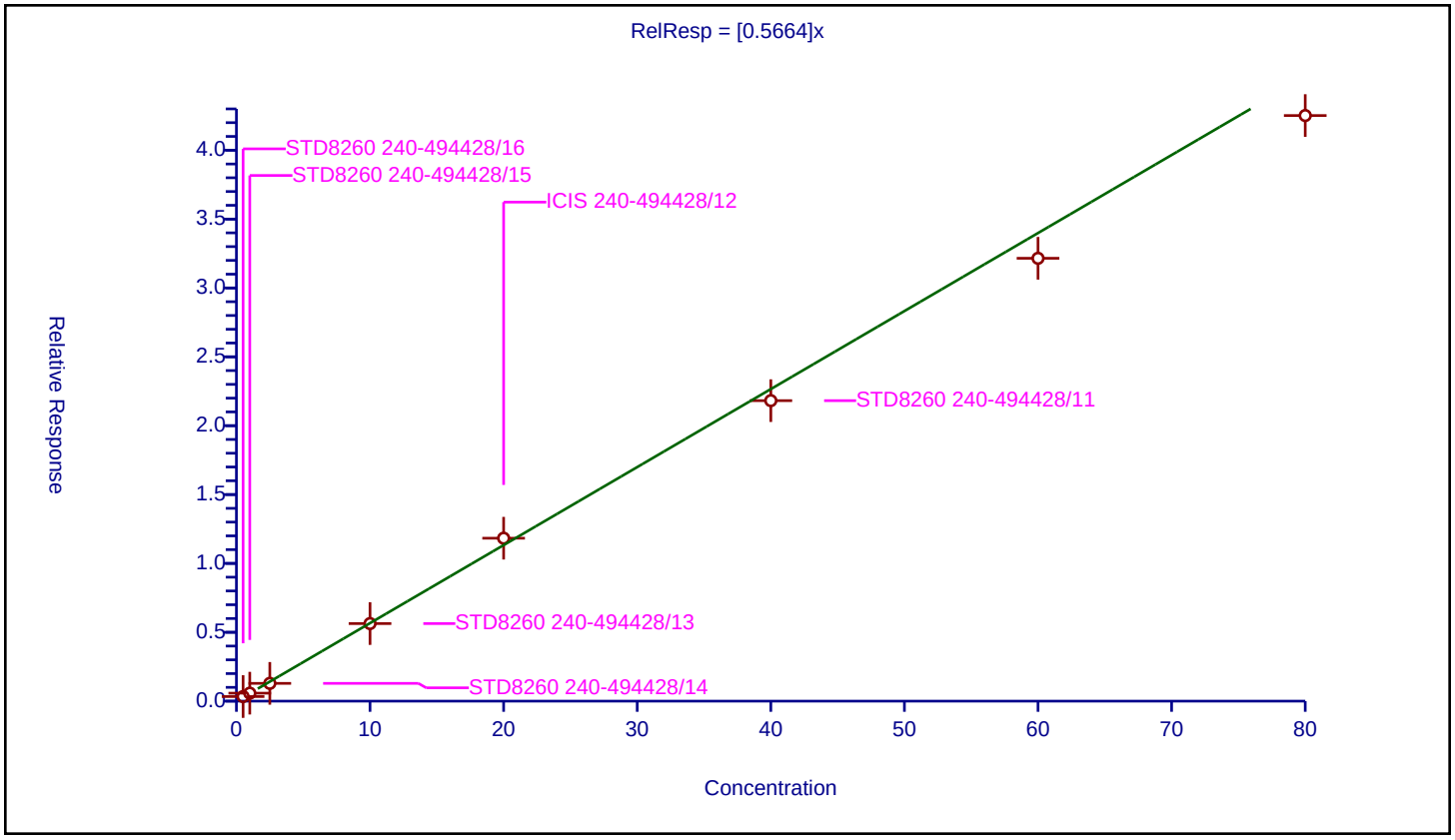
Curve Coefficients

Intercept:	0
Slope:	0.5664

Error Coefficients

Standard Error:	1050000
Relative Standard Error:	8.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.334227	20.0	816451.0	0.668454	Y
2	STD8260 240-494428/15	1.0	0.579014	20.0	836456.0	0.579014	Y
3	STD8260 240-494428/14	2.5	1.291243	20.0	858026.0	0.516497	Y
4	STD8260 240-494428/13	10.0	5.631473	20.0	887061.0	0.563147	Y
5	ICIS 240-494428/12	20.0	11.830325	20.0	908893.0	0.591516	Y
6	STD8260 240-494428/11	40.0	21.81688	20.0	937002.0	0.545422	Y
7	STD8260 240-494428/10	60.0	32.152573	20.0	952883.0	0.535876	Y
8	STD8260 240-494428/9	80.0	42.515871	20.0	942449.0	0.531448	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

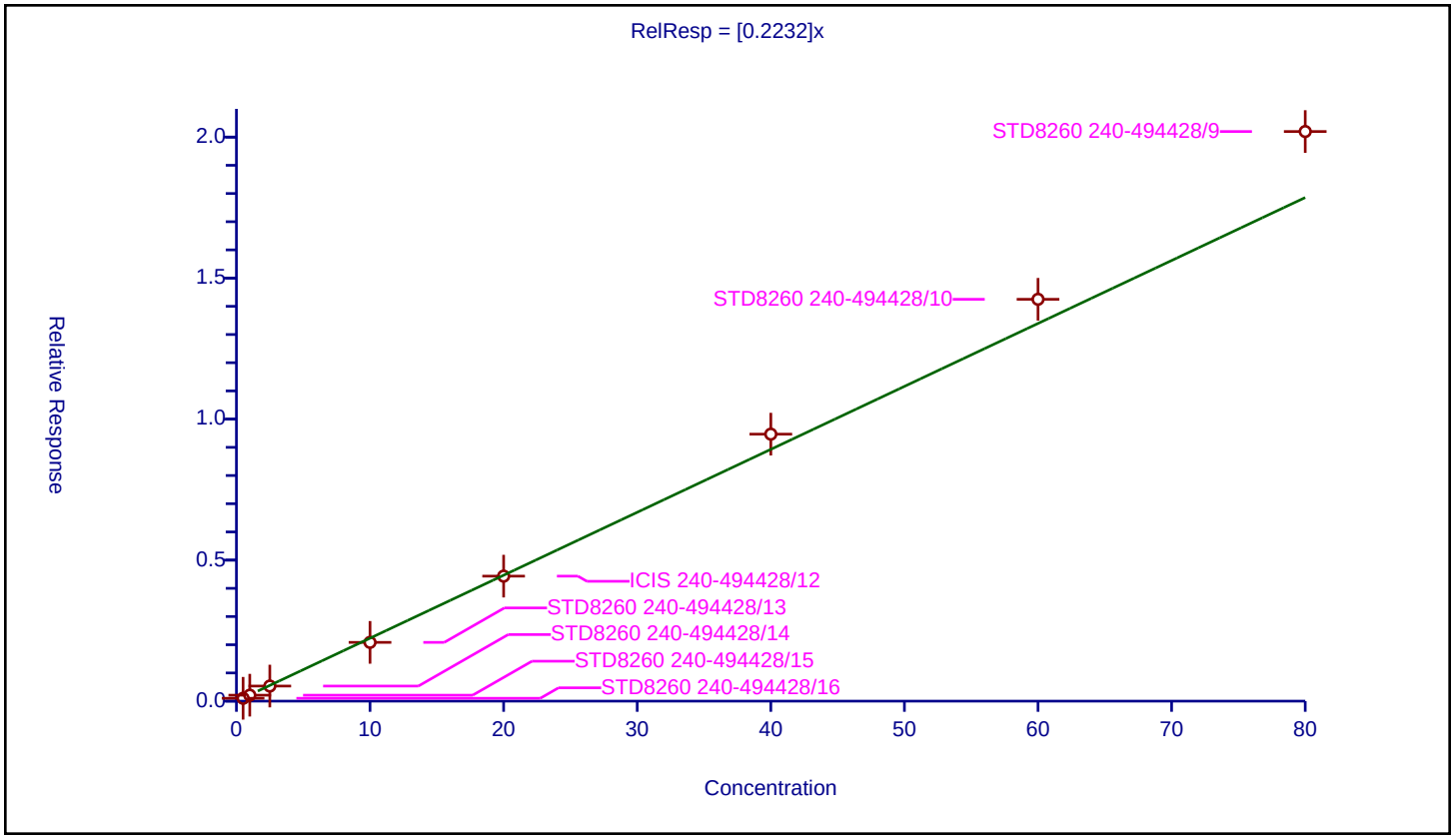
Curve Coefficients

Intercept:	0
Slope:	0.2232

Error Coefficients

Standard Error:	480000
Relative Standard Error:	7.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.101978	20.0	816451.0	0.203956	Y
2	STD8260 240-494428/15	1.0	0.211009	20.0	836456.0	0.211009	Y
3	STD8260 240-494428/14	2.5	0.535042	20.0	858026.0	0.214017	Y
4	STD8260 240-494428/13	10.0	2.084254	20.0	887061.0	0.208425	Y
5	ICIS 240-494428/12	20.0	4.432271	20.0	908893.0	0.221614	Y
6	STD8260 240-494428/11	40.0	9.467152	20.0	937002.0	0.236679	Y
7	STD8260 240-494428/10	60.0	14.248528	20.0	952883.0	0.237475	Y
8	STD8260 240-494428/9	80.0	20.197358	20.0	942449.0	0.252467	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

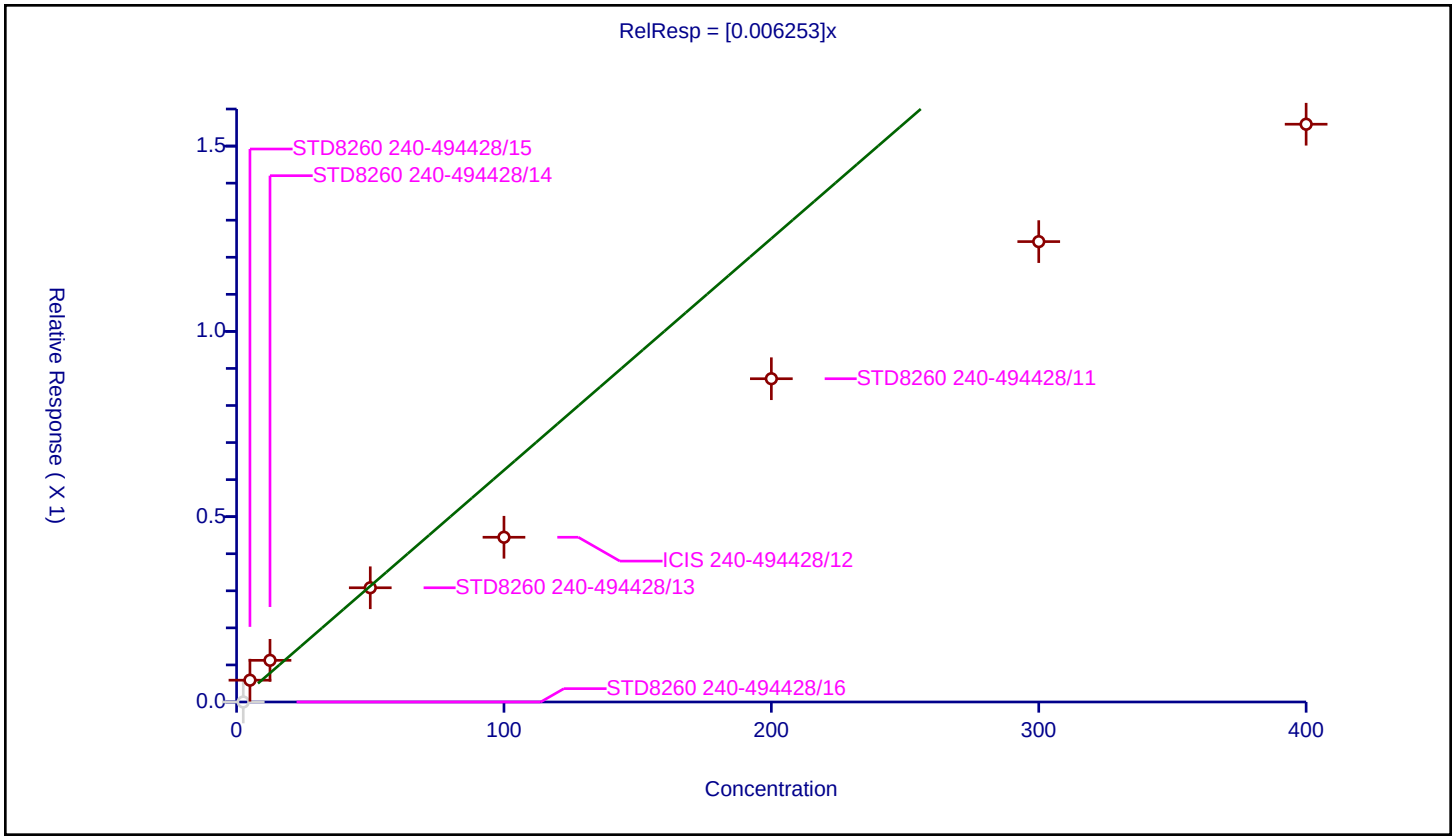
Curve Coefficients

Intercept:	0
Slope:	0.006253

Error Coefficients

Standard Error:	43200
Relative Standard Error:	48.3
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.443

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	2.5	0.0	20.0	816451.0	0.0	N
2	STD8260 240-494428/15	5.0	0.058844	20.0	836456.0	0.011769	Y
3	STD8260 240-494428/14	12.5	0.112421	20.0	858026.0	0.008994	Y
4	STD8260 240-494428/13	50.0	0.308186	20.0	887061.0	0.006164	Y
5	ICIS 240-494428/12	100.0	0.444475	20.0	908893.0	0.004445	Y
6	STD8260 240-494428/11	200.0	0.872229	20.0	937002.0	0.004361	Y
7	STD8260 240-494428/10	300.0	1.242209	20.0	952883.0	0.004141	Y
8	STD8260 240-494428/9	400.0	1.558981	20.0	942449.0	0.003897	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

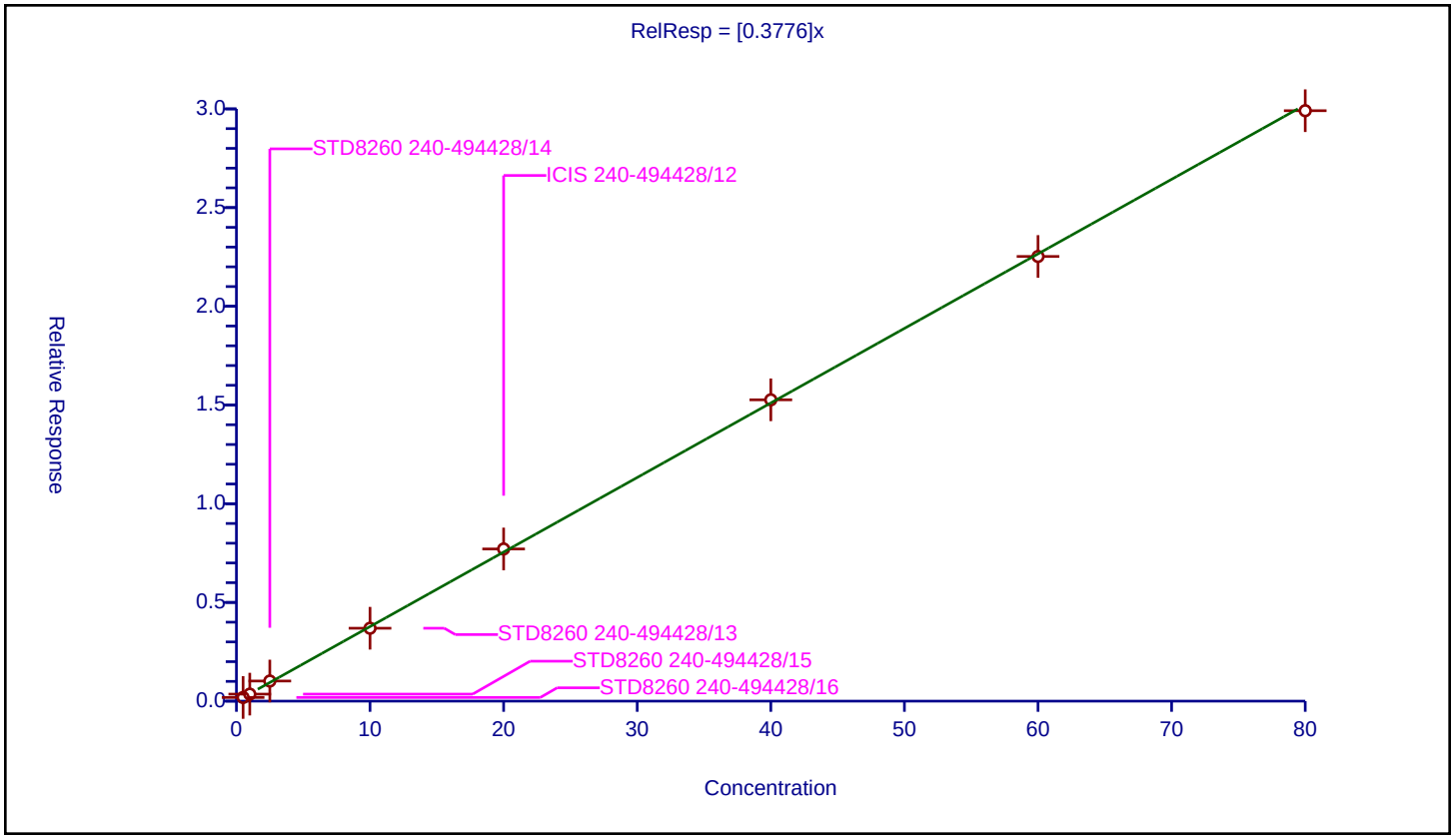
Curve Coefficients

Intercept:	0
Slope:	0.3776

Error Coefficients

Standard Error:	737000
Relative Standard Error:	4.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.186098	20.0	816451.0	0.372196	Y
2	STD8260 240-494428/15	1.0	0.355691	20.0	836456.0	0.355691	Y
3	STD8260 240-494428/14	2.5	1.01864	20.0	858026.0	0.407456	Y
4	STD8260 240-494428/13	10.0	3.693027	20.0	887061.0	0.369303	Y
5	ICIS 240-494428/12	20.0	7.70775	20.0	908893.0	0.385387	Y
6	STD8260 240-494428/11	40.0	15.263126	20.0	937002.0	0.381578	Y
7	STD8260 240-494428/10	60.0	22.52478	20.0	952883.0	0.375413	Y
8	STD8260 240-494428/9	80.0	29.907804	20.0	942449.0	0.373848	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

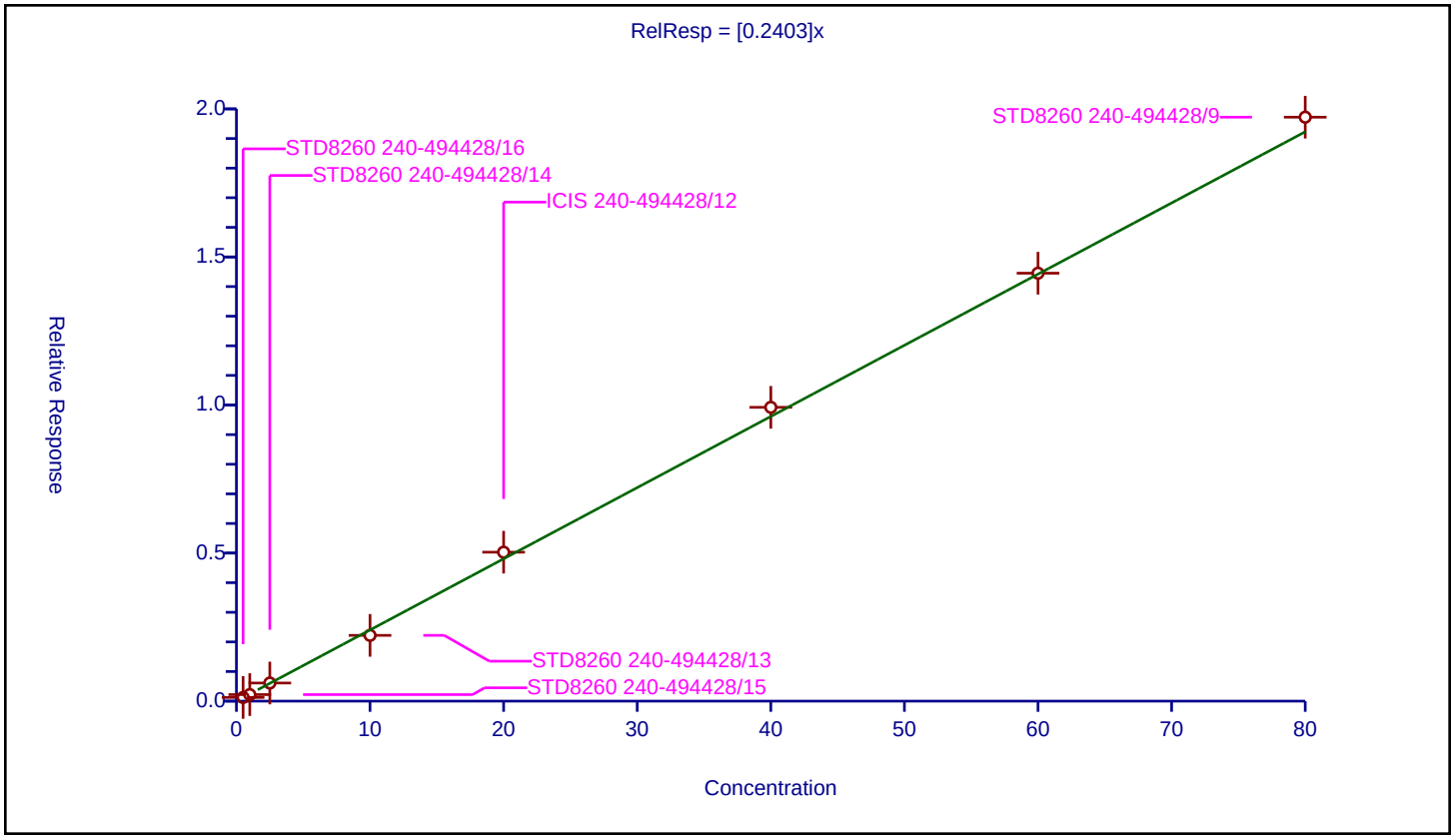
Curve Coefficients

Intercept:	0
Slope:	0.2403

Error Coefficients

Standard Error:	481000
Relative Standard Error:	5.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.124245	20.0	816451.0	0.24849	Y
2	STD8260 240-494428/15	1.0	0.220382	20.0	836456.0	0.220382	Y
3	STD8260 240-494428/14	2.5	0.612009	20.0	858026.0	0.244804	Y
4	STD8260 240-494428/13	10.0	2.221155	20.0	887061.0	0.222116	Y
5	ICIS 240-494428/12	20.0	5.030119	20.0	908893.0	0.251506	Y
6	STD8260 240-494428/11	40.0	9.922113	20.0	937002.0	0.248053	Y
7	STD8260 240-494428/10	60.0	14.451512	20.0	952883.0	0.240859	Y
8	STD8260 240-494428/9	80.0	19.720006	20.0	942449.0	0.2465	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

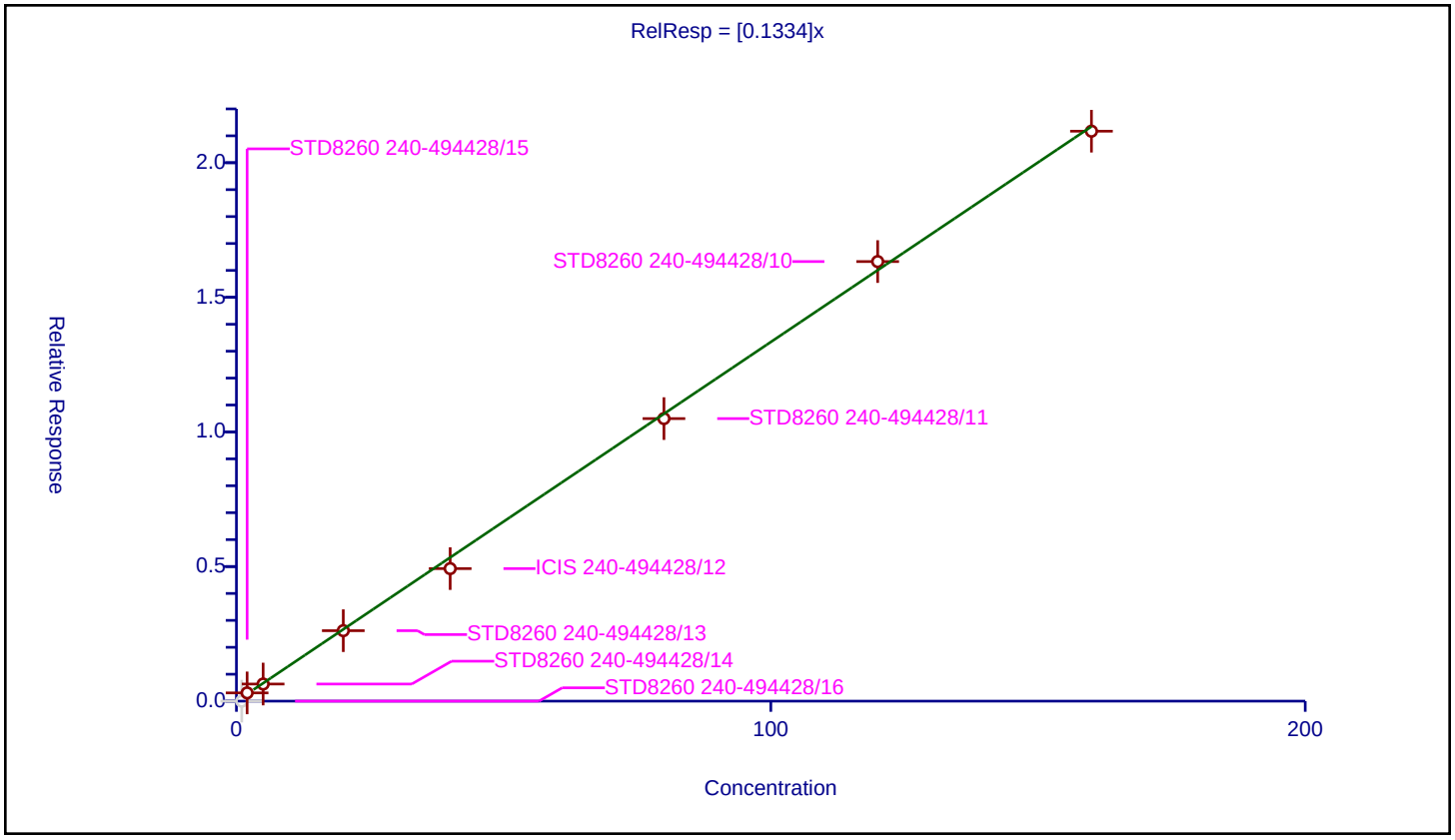
Curve Coefficients

Intercept:	0
Slope:	0.1334

Error Coefficients

Standard Error:	564000
Relative Standard Error:	7.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	1.0	0.0	20.0	816451.0	0.0	N
2	STD8260 240-494428/15	2.0	0.306268	20.0	836456.0	0.153134	Y
3	STD8260 240-494428/14	5.0	0.635762	20.0	858026.0	0.127152	Y
4	STD8260 240-494428/13	20.0	2.617588	20.0	887061.0	0.130879	Y
5	ICIS 240-494428/12	40.0	4.923902	20.0	908893.0	0.123098	Y
6	STD8260 240-494428/11	80.0	10.495815	20.0	937002.0	0.131198	Y
7	STD8260 240-494428/10	120.0	16.328867	20.0	952883.0	0.136074	Y
8	STD8260 240-494428/9	160.0	21.171756	20.0	942449.0	0.132323	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

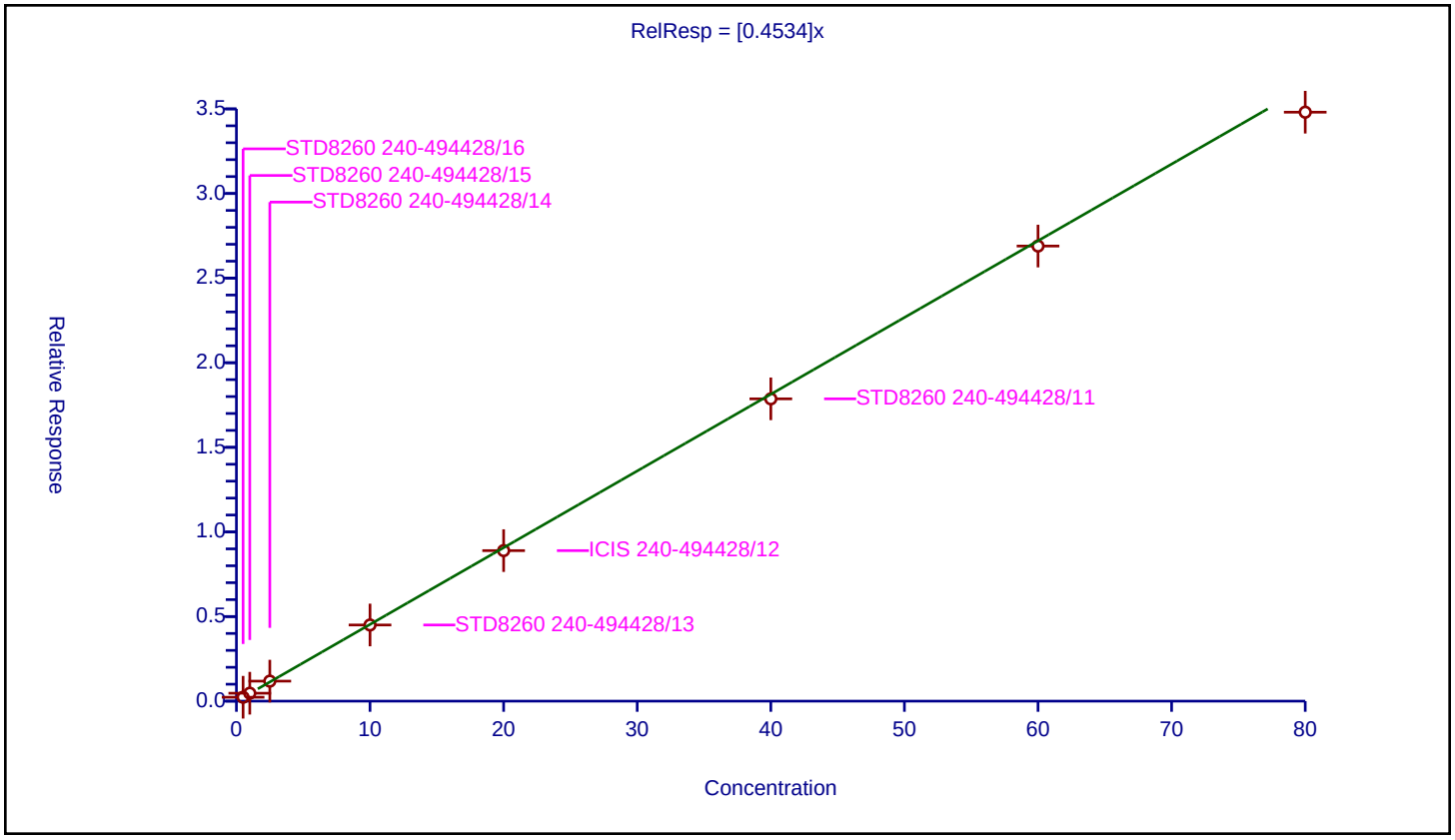
Curve Coefficients

Intercept:	0
Slope:	0.4534

Error Coefficients

Standard Error:	865000
Relative Standard Error:	2.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.230314	20.0	816451.0	0.460628	Y
2	STD8260 240-494428/15	1.0	0.4685	20.0	836456.0	0.4685	Y
3	STD8260 240-494428/14	2.5	1.183321	20.0	858026.0	0.473328	Y
4	STD8260 240-494428/13	10.0	4.501291	20.0	887061.0	0.450129	Y
5	ICIS 240-494428/12	20.0	8.895172	20.0	908893.0	0.444759	Y
6	STD8260 240-494428/11	40.0	17.865511	20.0	937002.0	0.446638	Y
7	STD8260 240-494428/10	60.0	26.894047	20.0	952883.0	0.448234	Y
8	STD8260 240-494428/9	80.0	34.8053	20.0	942449.0	0.435066	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

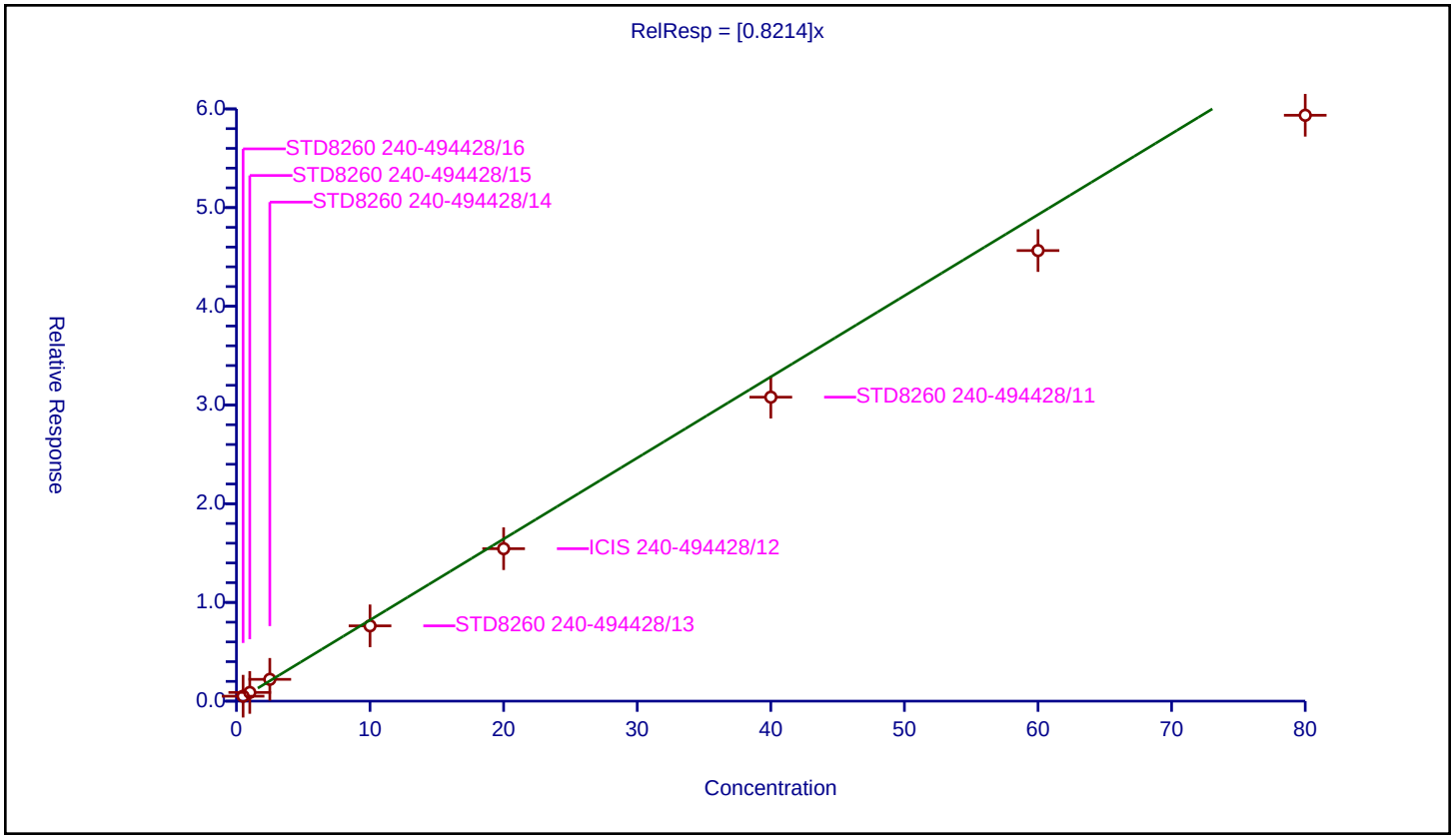
Curve Coefficients

Intercept:	0
Slope:	0.8214

Error Coefficients

Standard Error:	1480000
Relative Standard Error:	11.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.499748	20.0	816451.0	0.999497	Y
2	STD8260 240-494428/15	1.0	0.880788	20.0	836456.0	0.880788	Y
3	STD8260 240-494428/14	2.5	2.207346	20.0	858026.0	0.882938	Y
4	STD8260 240-494428/13	10.0	7.628382	20.0	887061.0	0.762838	Y
5	ICIS 240-494428/12	20.0	15.44382	20.0	908893.0	0.772191	Y
6	STD8260 240-494428/11	40.0	30.79701	20.0	937002.0	0.769925	Y
7	STD8260 240-494428/10	60.0	45.647115	20.0	952883.0	0.760785	Y
8	STD8260 240-494428/9	80.0	59.354023	20.0	942449.0	0.741925	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

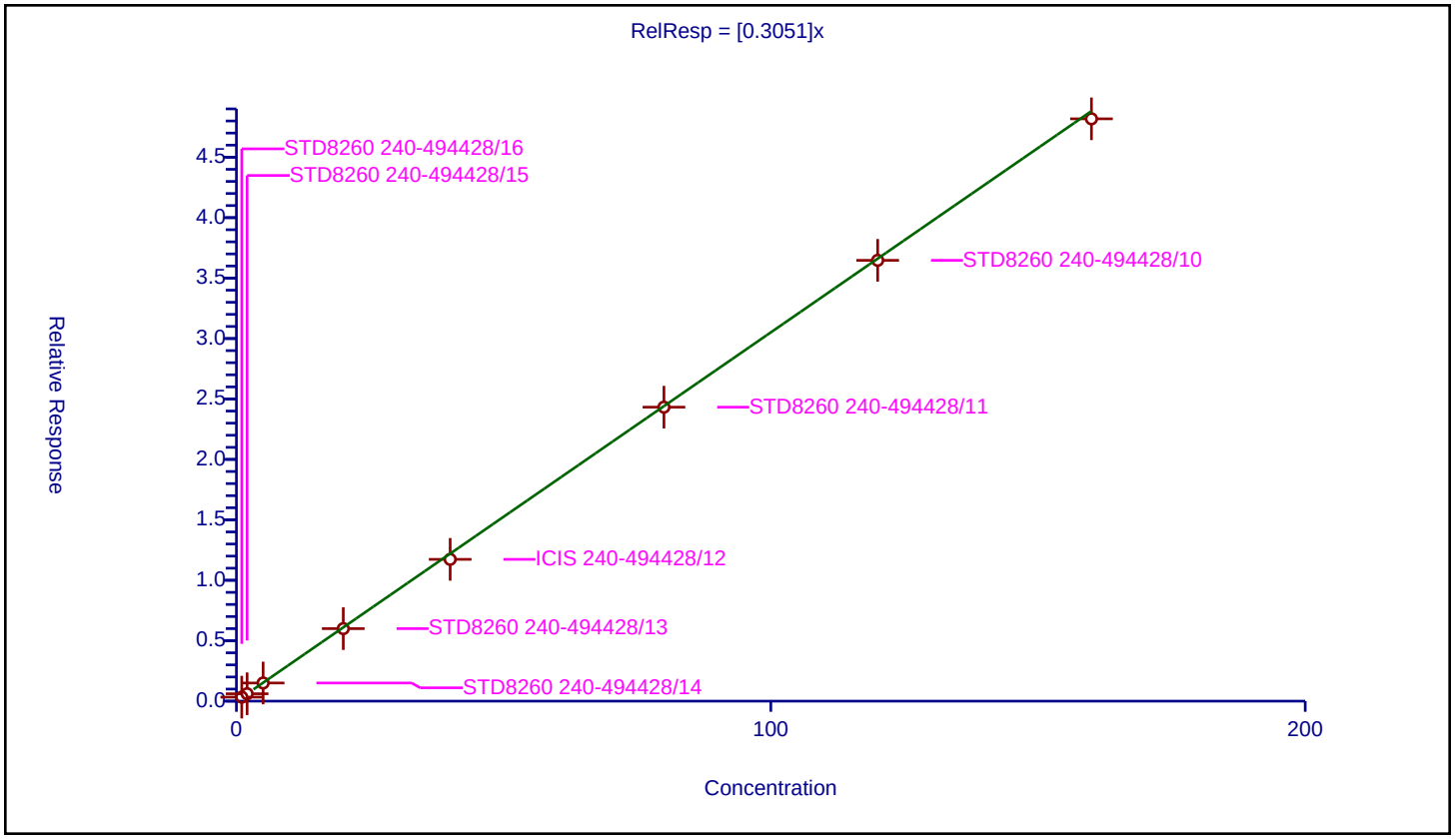
Curve Coefficients

Intercept:	0
Slope:	0.3051

Error Coefficients

Standard Error:	1190000
Relative Standard Error:	3.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	1.0	0.332145	20.0	816451.0	0.332145	Y
2	STD8260 240-494428/15	2.0	0.6117	20.0	836456.0	0.30585	Y
3	STD8260 240-494428/14	5.0	1.502542	20.0	858026.0	0.300508	Y
4	STD8260 240-494428/13	20.0	5.998595	20.0	887061.0	0.29993	Y
5	ICIS 240-494428/12	40.0	11.729984	20.0	908893.0	0.29325	Y
6	STD8260 240-494428/11	80.0	24.322403	20.0	937002.0	0.30403	Y
7	STD8260 240-494428/10	120.0	36.469577	20.0	952883.0	0.303913	Y
8	STD8260 240-494428/9	160.0	48.178777	20.0	942449.0	0.301117	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

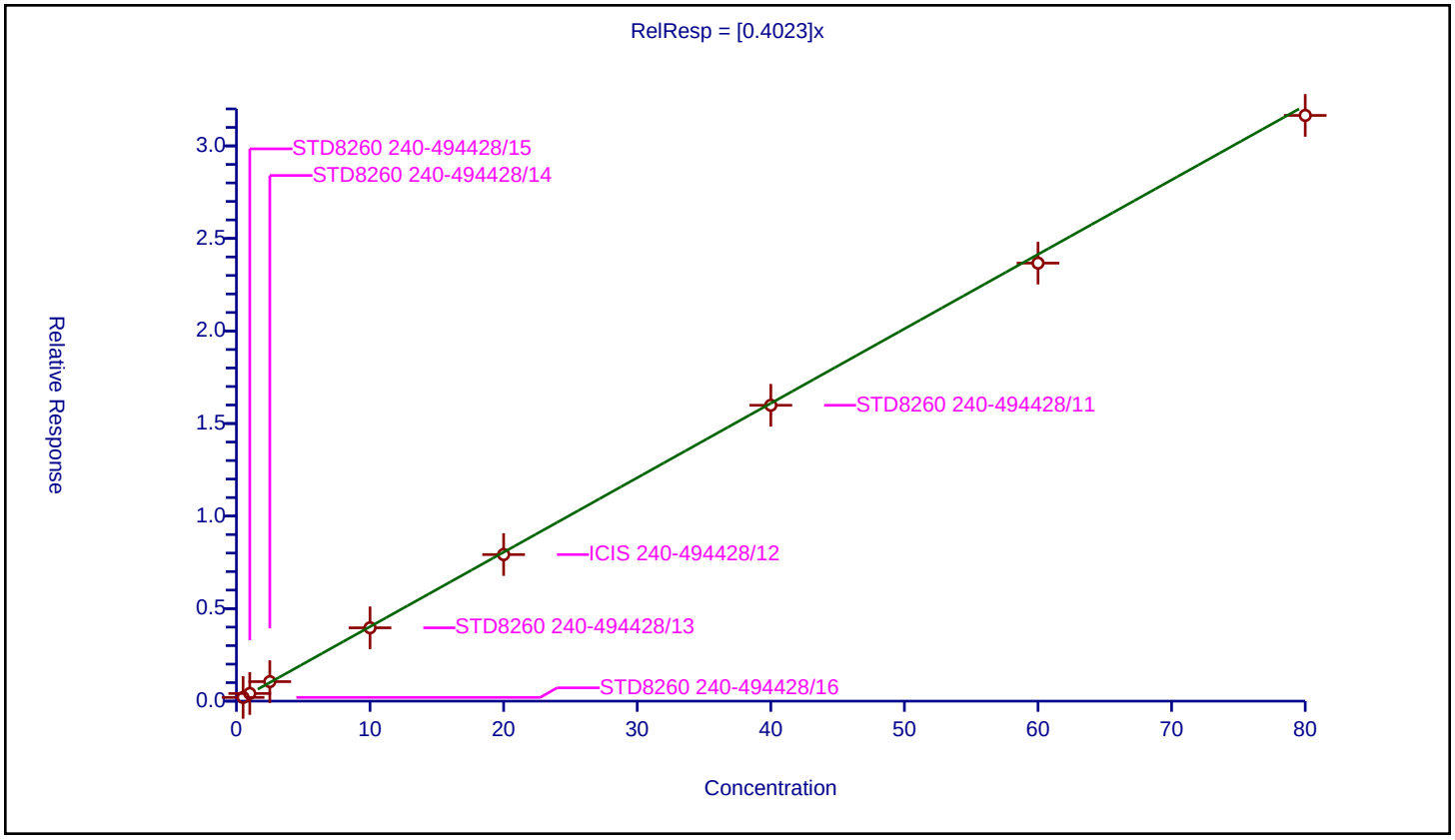
Curve Coefficients

Intercept:	0
Slope:	0.4023

Error Coefficients

Standard Error:	776000
Relative Standard Error:	2.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.200232	20.0	816451.0	0.400465	Y
2	STD8260 240-494428/15	1.0	0.414272	20.0	836456.0	0.414272	Y
3	STD8260 240-494428/14	2.5	1.054537	20.0	858026.0	0.421815	Y
4	STD8260 240-494428/13	10.0	3.962704	20.0	887061.0	0.39627	Y
5	ICIS 240-494428/12	20.0	7.920052	20.0	908893.0	0.396003	Y
6	STD8260 240-494428/11	40.0	15.985729	20.0	937002.0	0.399643	Y
7	STD8260 240-494428/10	60.0	23.668005	20.0	952883.0	0.394467	Y
8	STD8260 240-494428/9	80.0	31.647972	20.0	942449.0	0.3956	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

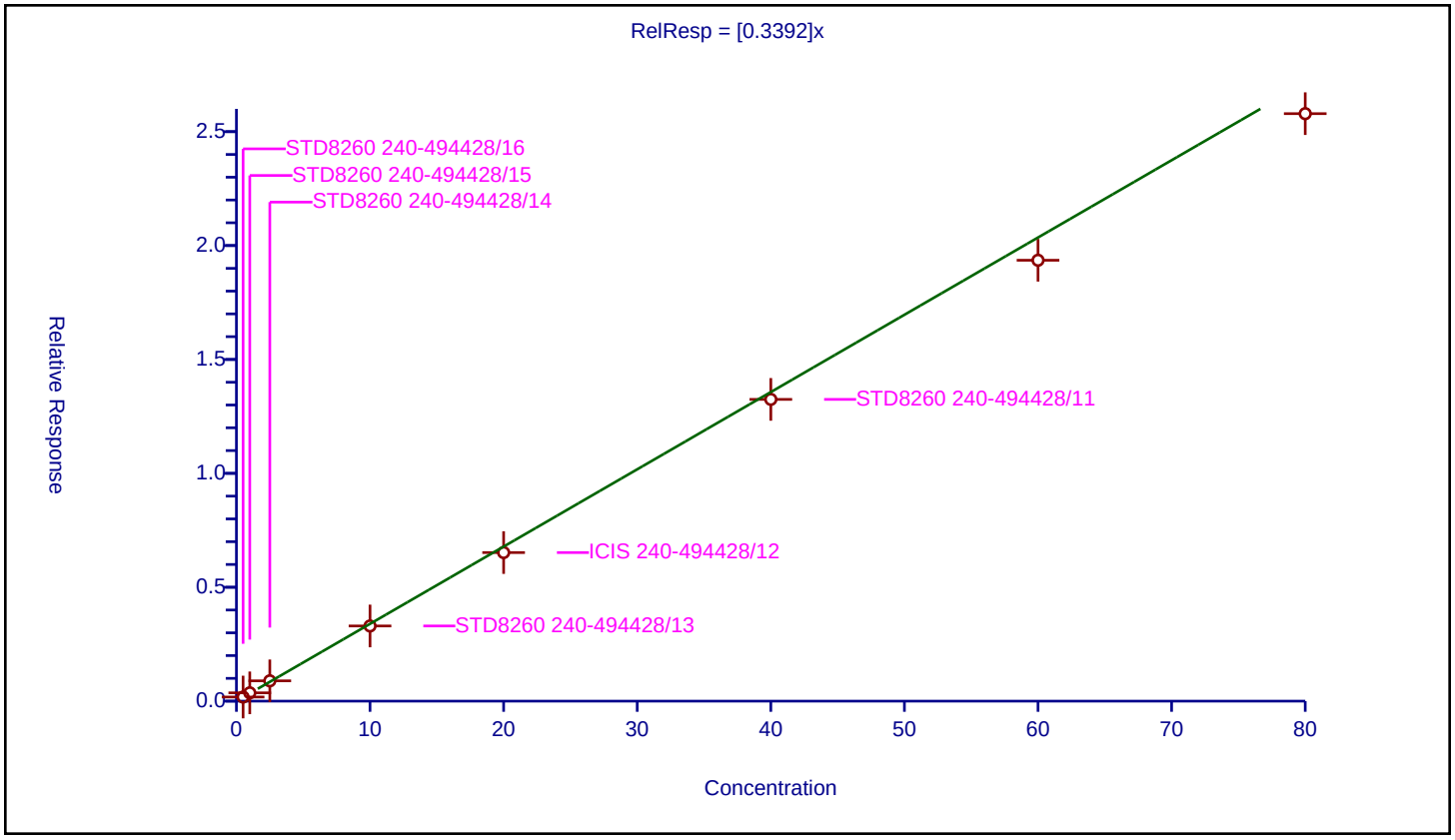
Curve Coefficients

Intercept:	0
Slope:	0.3392

Error Coefficients

Standard Error:	635000
Relative Standard Error:	5.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.180097	20.0	816451.0	0.360193	Y
2	STD8260 240-494428/15	1.0	0.364395	20.0	836456.0	0.364395	Y
3	STD8260 240-494428/14	2.5	0.892048	20.0	858026.0	0.356819	Y
4	STD8260 240-494428/13	10.0	3.300517	20.0	887061.0	0.330052	Y
5	ICIS 240-494428/12	20.0	6.522968	20.0	908893.0	0.326148	Y
6	STD8260 240-494428/11	40.0	13.247336	20.0	937002.0	0.331183	Y
7	STD8260 240-494428/10	60.0	19.354863	20.0	952883.0	0.322581	Y
8	STD8260 240-494428/9	80.0	25.791019	20.0	942449.0	0.322388	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

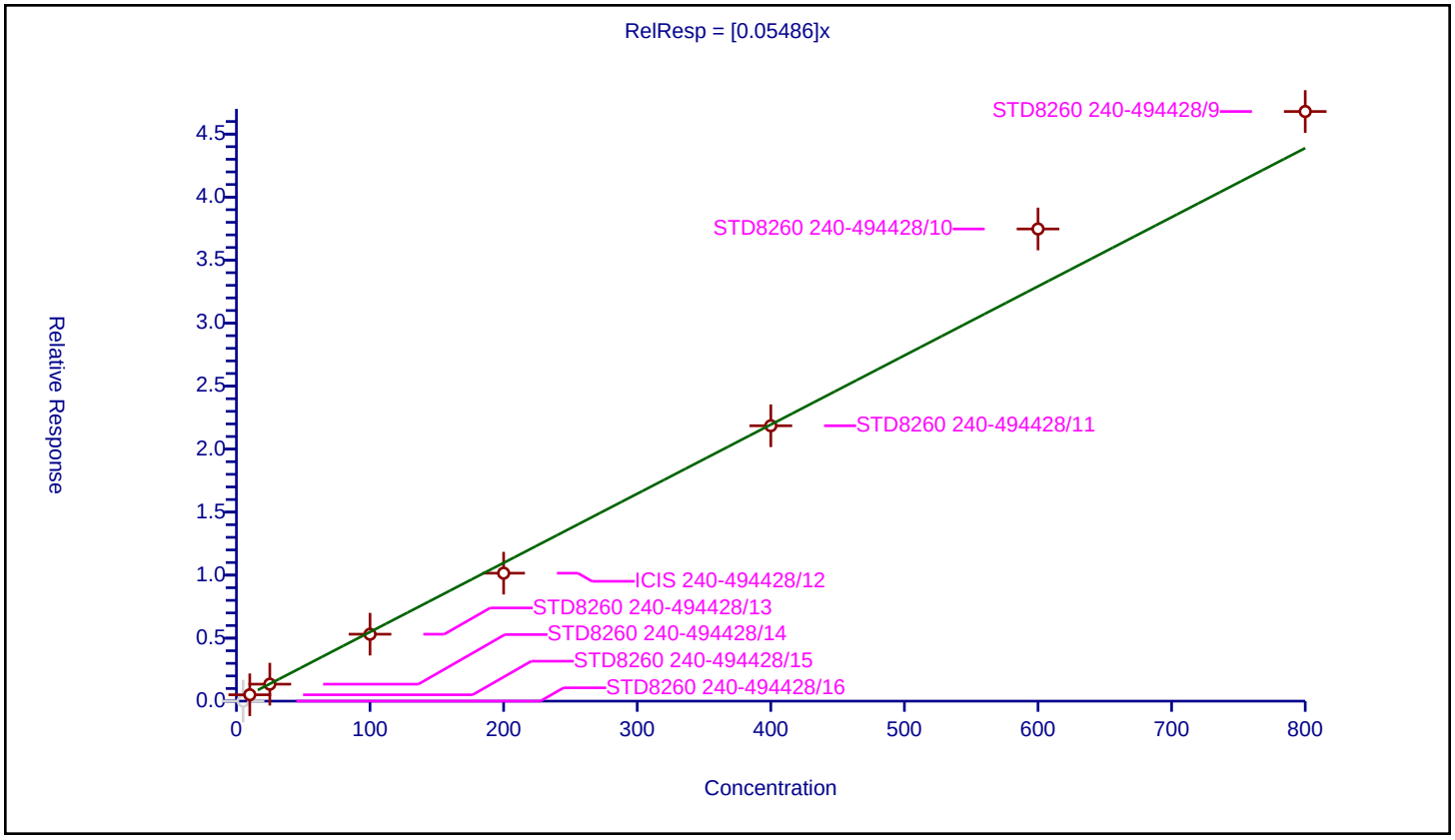
Curve Coefficients

Intercept:	0
Slope:	0.05486

Error Coefficients

Standard Error:	1250000
Relative Standard Error:	7.8
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	5.0	0.0	20.0	816451.0	0.0	N
2	STD8260 240-494428/15	10.0	0.506255	20.0	836456.0	0.050625	Y
3	STD8260 240-494428/14	25.0	1.348374	20.0	858026.0	0.053935	Y
4	STD8260 240-494428/13	100.0	5.311563	20.0	887061.0	0.053116	Y
5	ICIS 240-494428/12	200.0	10.155937	20.0	908893.0	0.05078	Y
6	STD8260 240-494428/11	400.0	21.85387	20.0	937002.0	0.054635	Y
7	STD8260 240-494428/10	600.0	37.472701	20.0	952883.0	0.062455	Y
8	STD8260 240-494428/9	800.0	46.791816	20.0	942449.0	0.05849	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

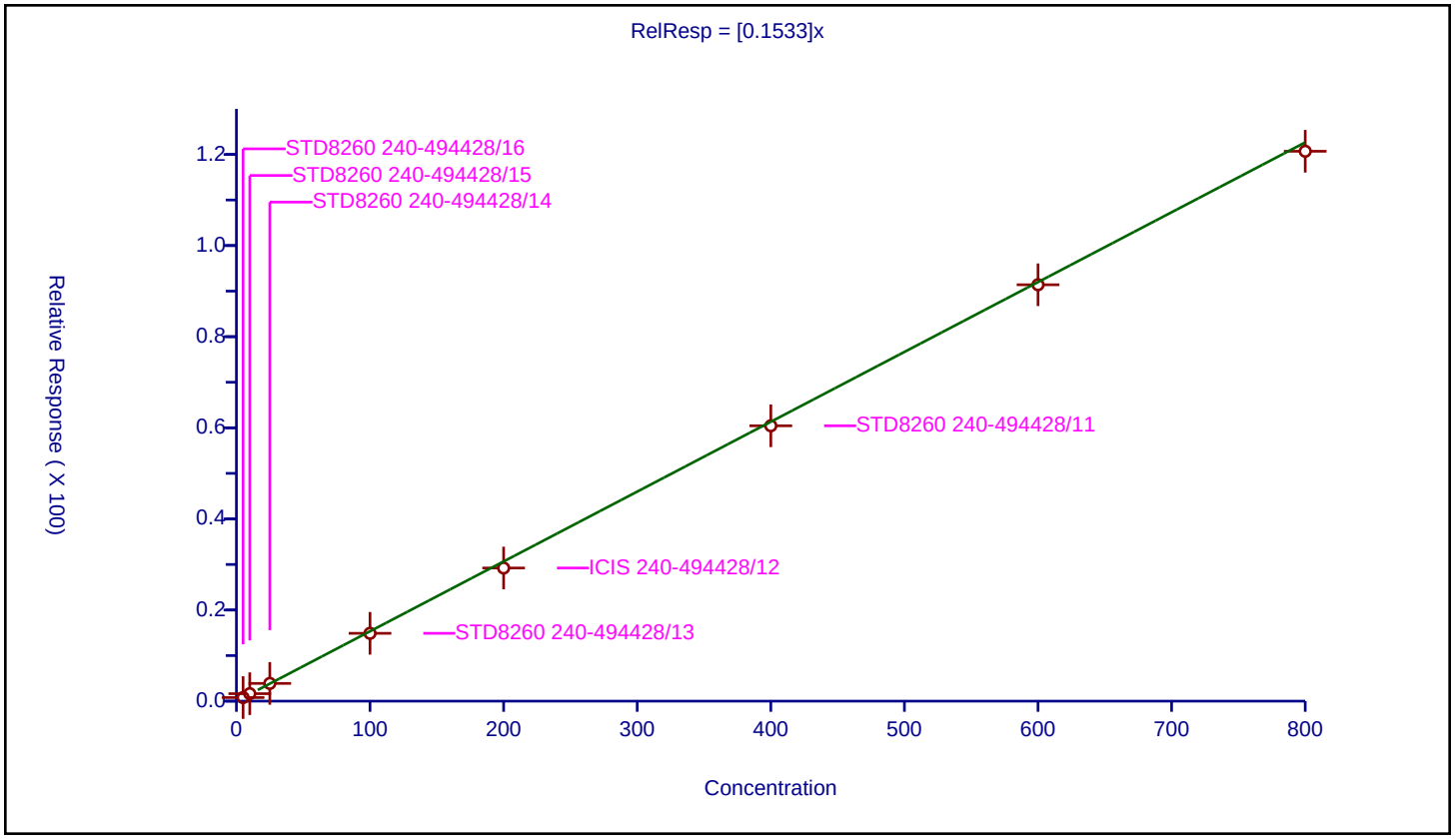
Curve Coefficients

Intercept:	0
Slope:	0.1533

Error Coefficients

Standard Error:	2970000
Relative Standard Error:	3.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	5.0	0.787359	20.0	816451.0	0.157472	Y
2	STD8260 240-494428/15	10.0	1.640612	20.0	836456.0	0.164061	Y
3	STD8260 240-494428/14	25.0	3.890232	20.0	858026.0	0.155609	Y
4	STD8260 240-494428/13	100.0	14.88556	20.0	887061.0	0.148856	Y
5	ICIS 240-494428/12	200.0	29.219985	20.0	908893.0	0.1461	Y
6	STD8260 240-494428/11	400.0	60.440405	20.0	937002.0	0.151101	Y
7	STD8260 240-494428/10	600.0	91.394746	20.0	952883.0	0.152325	Y
8	STD8260 240-494428/9	800.0	120.701301	20.0	942449.0	0.150877	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

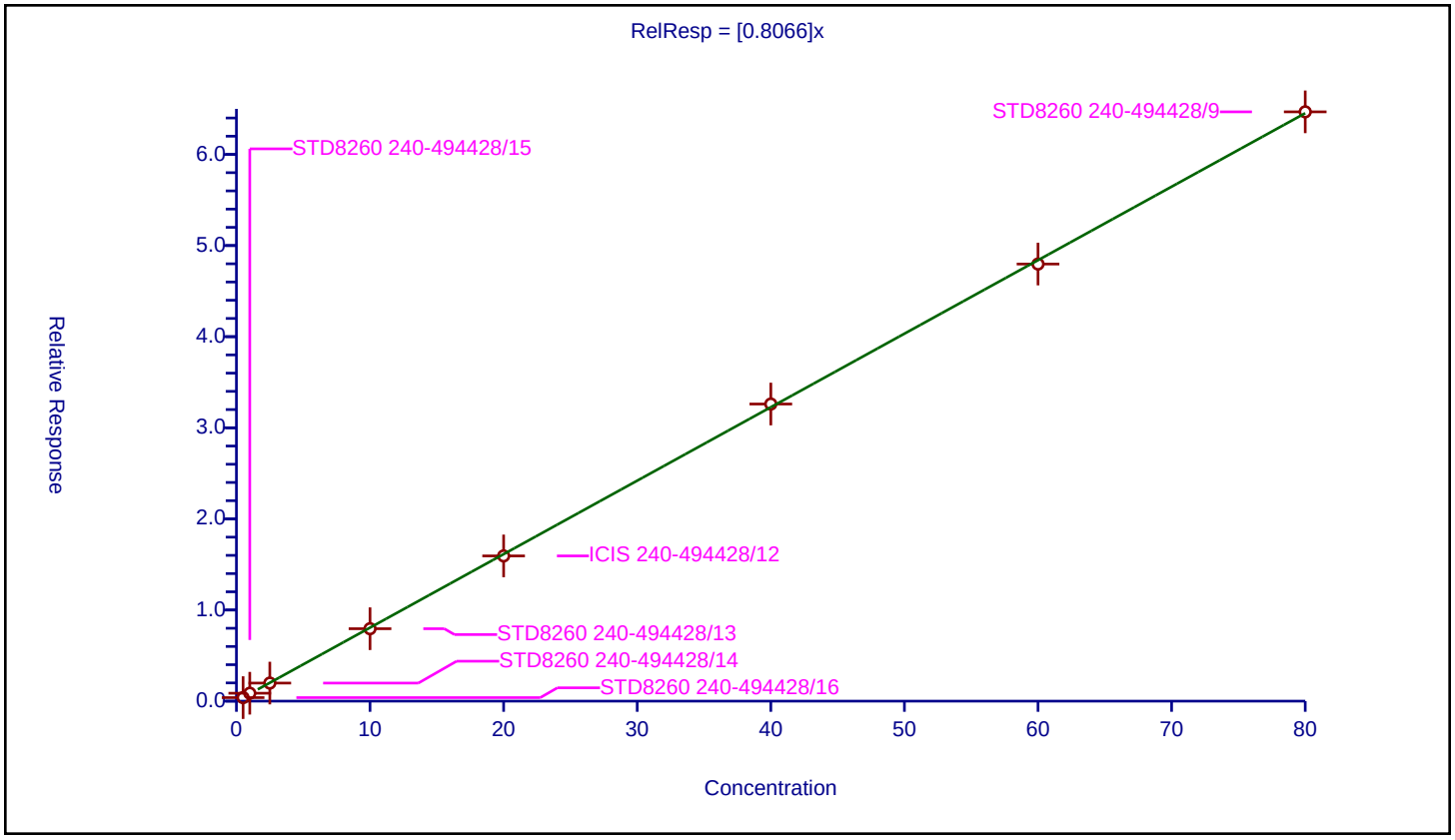
Curve Coefficients

Intercept:	0
Slope:	0.8066

Error Coefficients

Standard Error:	1580000
Relative Standard Error:	3.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.387555	20.0	816451.0	0.775111	Y
2	STD8260 240-494428/15	1.0	0.869382	20.0	836456.0	0.869382	Y
3	STD8260 240-494428/14	2.5	1.983343	20.0	858026.0	0.793337	Y
4	STD8260 240-494428/13	10.0	7.948563	20.0	887061.0	0.794856	Y
5	ICIS 240-494428/12	20.0	15.937322	20.0	908893.0	0.796866	Y
6	STD8260 240-494428/11	40.0	32.608084	20.0	937002.0	0.815202	Y
7	STD8260 240-494428/10	60.0	47.972416	20.0	952883.0	0.79954	Y
8	STD8260 240-494428/9	80.0	64.675712	20.0	942449.0	0.808446	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

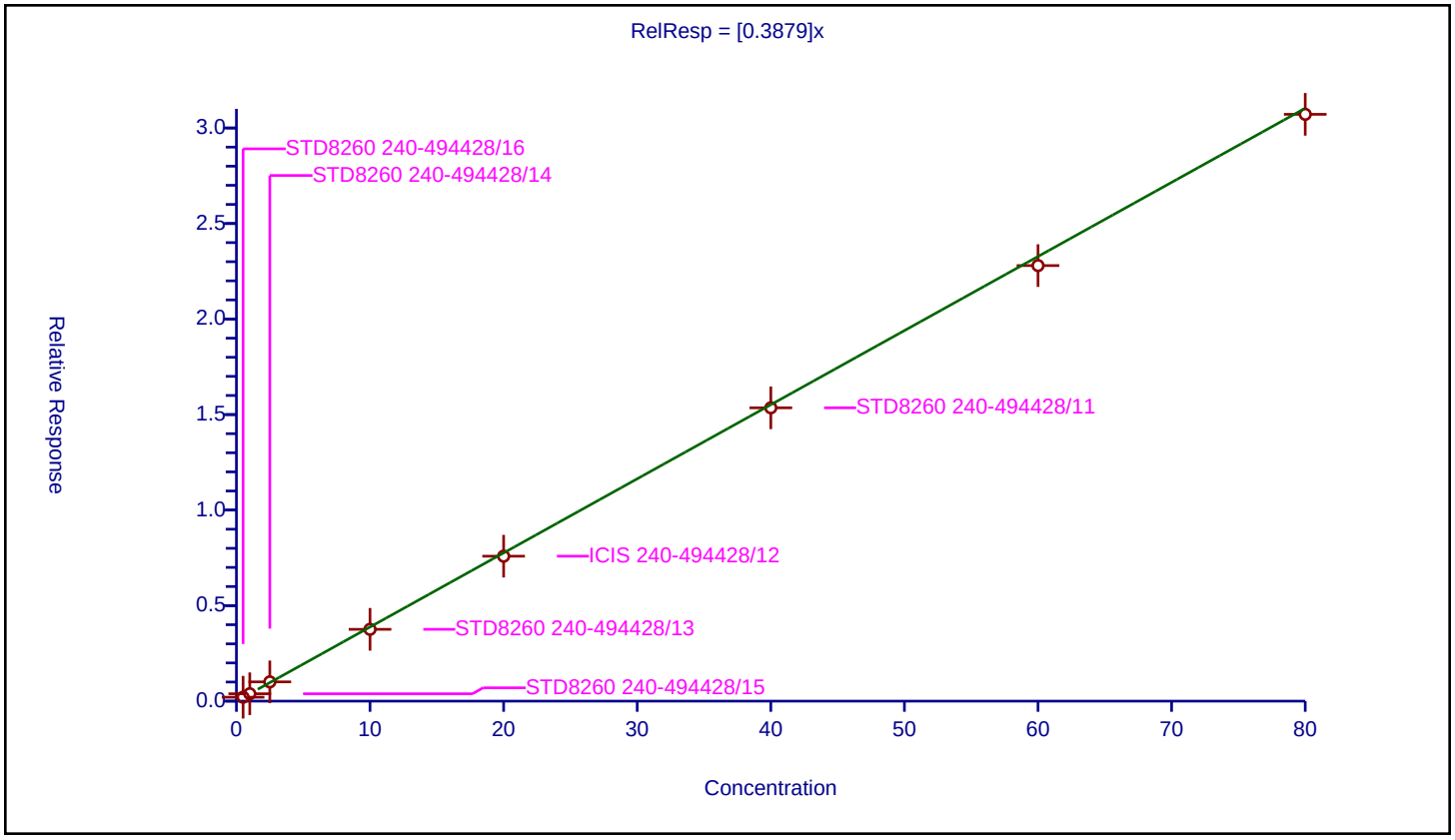
Curve Coefficients

Intercept:	0
Slope:	0.3879

Error Coefficients

Standard Error:	750000
Relative Standard Error:	3.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.204985	20.0	816451.0	0.409969	Y
2	STD8260 240-494428/15	1.0	0.387109	20.0	836456.0	0.387109	Y
3	STD8260 240-494428/14	2.5	1.007965	20.0	858026.0	0.403186	Y
4	STD8260 240-494428/13	10.0	3.759358	20.0	887061.0	0.375936	Y
5	ICIS 240-494428/12	20.0	7.587164	20.0	908893.0	0.379358	Y
6	STD8260 240-494428/11	40.0	15.353969	20.0	937002.0	0.383849	Y
7	STD8260 240-494428/10	60.0	22.798812	20.0	952883.0	0.37998	Y
8	STD8260 240-494428/9	80.0	30.715147	20.0	942449.0	0.383939	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

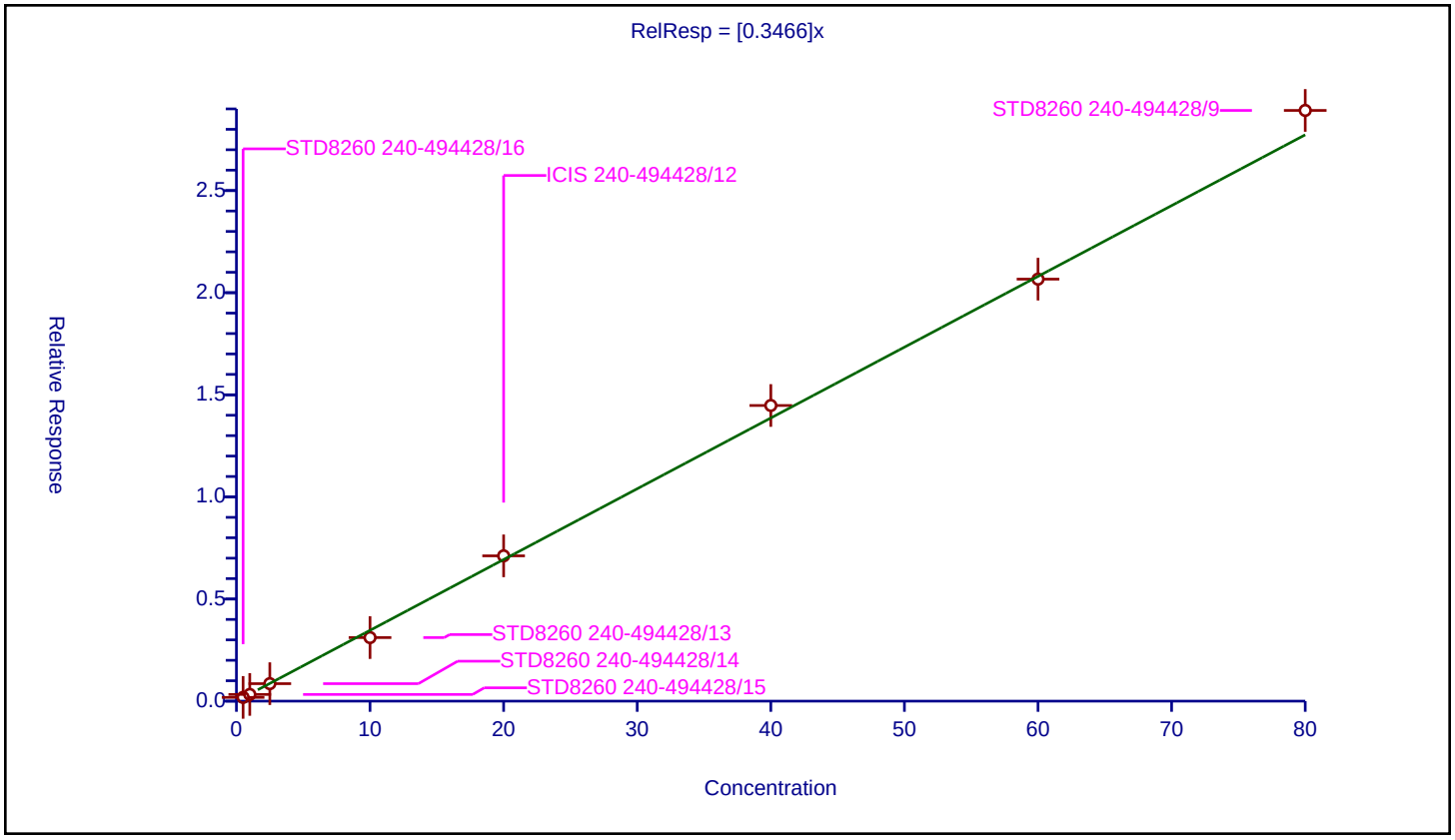
Curve Coefficients

Intercept:	0
Slope:	0.3466

Error Coefficients

Standard Error:	698000
Relative Standard Error:	5.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.183746	20.0	816451.0	0.367493	Y
2	STD8260 240-494428/15	1.0	0.328481	20.0	836456.0	0.328481	Y
3	STD8260 240-494428/14	2.5	0.855825	20.0	858026.0	0.34233	Y
4	STD8260 240-494428/13	10.0	3.11212	20.0	887061.0	0.311212	Y
5	ICIS 240-494428/12	20.0	7.114721	20.0	908893.0	0.355736	Y
6	STD8260 240-494428/11	40.0	14.476725	20.0	937002.0	0.361918	Y
7	STD8260 240-494428/10	60.0	20.663418	20.0	952883.0	0.34439	Y
8	STD8260 240-494428/9	80.0	28.923708	20.0	942449.0	0.361546	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

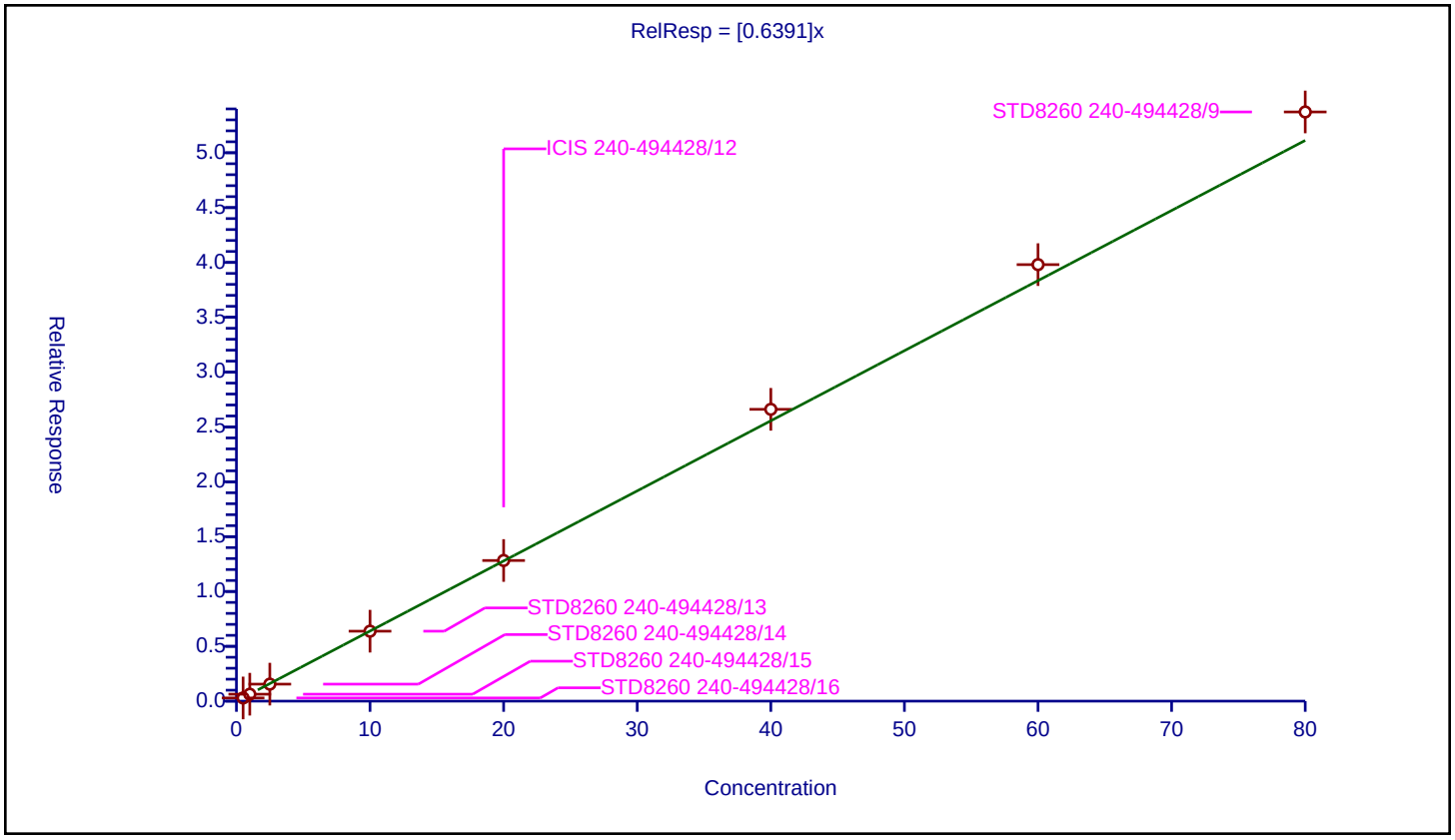
Curve Coefficients

Intercept:	0
Slope:	0.6391

Error Coefficients

Standard Error:	1310000
Relative Standard Error:	4.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.289864	20.0	816451.0	0.579729	Y
2	STD8260 240-494428/15	1.0	0.633697	20.0	836456.0	0.633697	Y
3	STD8260 240-494428/14	2.5	1.549743	20.0	858026.0	0.619897	Y
4	STD8260 240-494428/13	10.0	6.378862	20.0	887061.0	0.637886	Y
5	ICIS 240-494428/12	20.0	12.82338	20.0	908893.0	0.641169	Y
6	STD8260 240-494428/11	40.0	26.608268	20.0	937002.0	0.665207	Y
7	STD8260 240-494428/10	60.0	39.802095	20.0	952883.0	0.663368	Y
8	STD8260 240-494428/9	80.0	53.720085	20.0	942449.0	0.671501	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

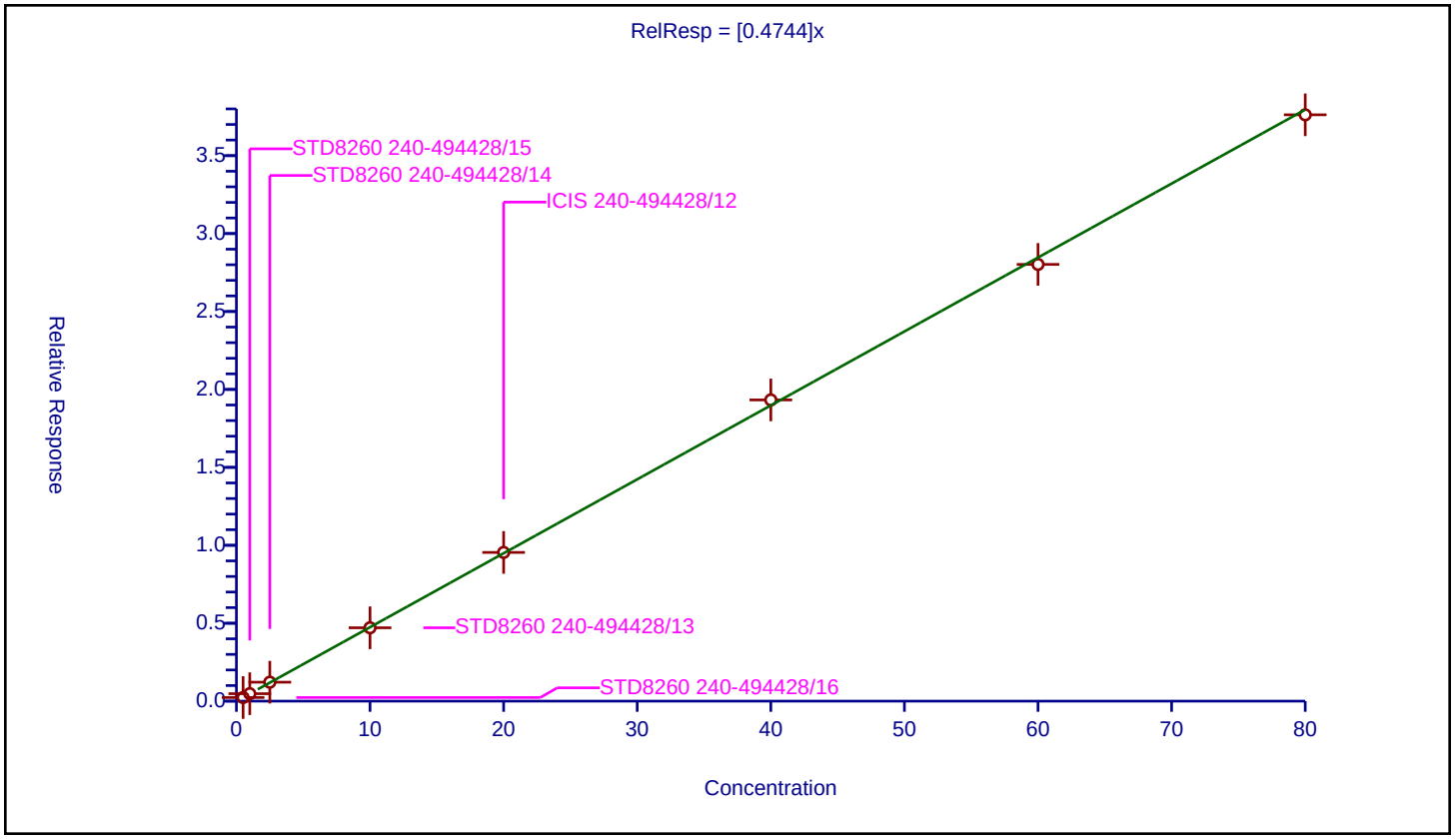
Curve Coefficients

Intercept:	0
Slope:	0.4744

Error Coefficients

Standard Error:	924000
Relative Standard Error:	1.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.231196	20.0	816451.0	0.462391	Y
2	STD8260 240-494428/15	1.0	0.477945	20.0	836456.0	0.477945	Y
3	STD8260 240-494428/14	2.5	1.216303	20.0	858026.0	0.486521	Y
4	STD8260 240-494428/13	10.0	4.707591	20.0	887061.0	0.470759	Y
5	ICIS 240-494428/12	20.0	9.540991	20.0	908893.0	0.47705	Y
6	STD8260 240-494428/11	40.0	19.326255	20.0	937002.0	0.483156	Y
7	STD8260 240-494428/10	60.0	28.02174	20.0	952883.0	0.467029	Y
8	STD8260 240-494428/9	80.0	37.620094	20.0	942449.0	0.470251	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

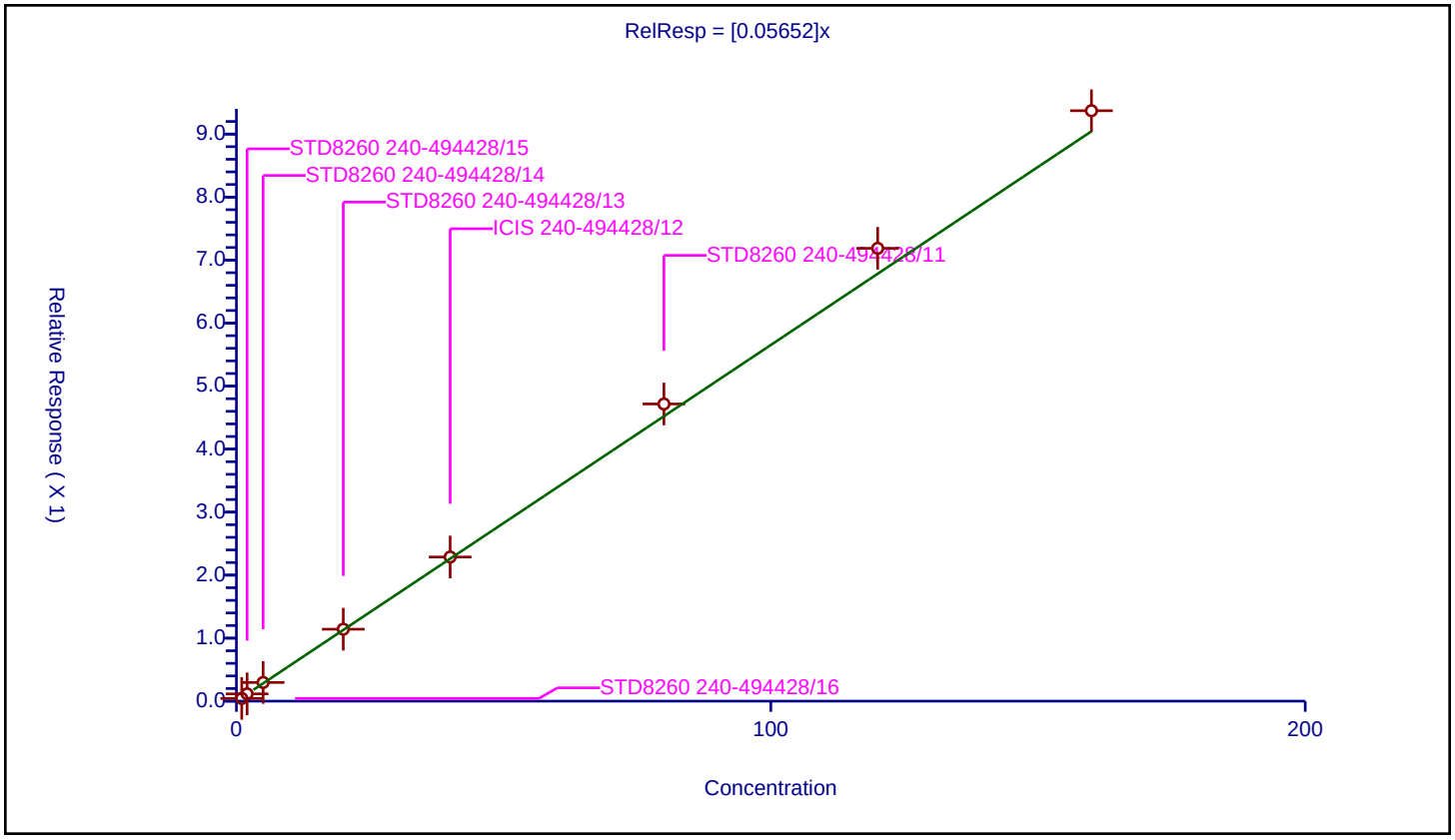
Curve Coefficients

Intercept:	0
Slope:	0.05652

Error Coefficients

Standard Error:	231000
Relative Standard Error:	9.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	1.0	0.043285	20.0	816451.0	0.043285	Y
2	STD8260 240-494428/15	2.0	0.115679	20.0	836456.0	0.057839	Y
3	STD8260 240-494428/14	5.0	0.296728	20.0	858026.0	0.059346	Y
4	STD8260 240-494428/13	20.0	1.142176	20.0	887061.0	0.057109	Y
5	ICIS 240-494428/12	40.0	2.287618	20.0	908893.0	0.05719	Y
6	STD8260 240-494428/11	80.0	4.716532	20.0	937002.0	0.058957	Y
7	STD8260 240-494428/10	120.0	7.187157	20.0	952883.0	0.059893	Y
8	STD8260 240-494428/9	160.0	9.370693	20.0	942449.0	0.058567	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

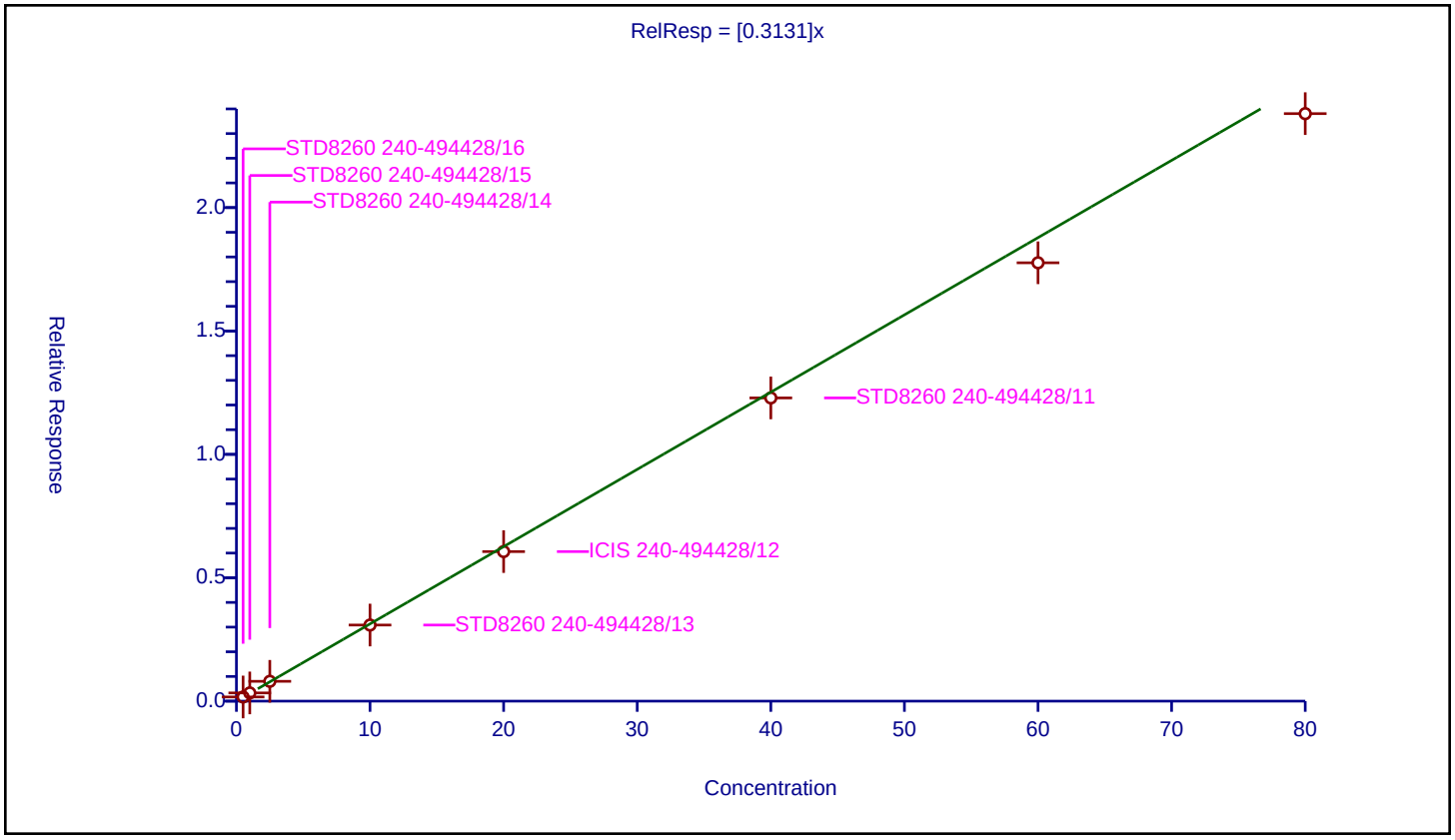
Curve Coefficients

Intercept:	0
Slope:	0.3131

Error Coefficients

Standard Error:	586000
Relative Standard Error:	5.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.168877	20.0	816451.0	0.337755	Y
2	STD8260 240-494428/15	1.0	0.332785	20.0	836456.0	0.332785	Y
3	STD8260 240-494428/14	2.5	0.803915	20.0	858026.0	0.321566	Y
4	STD8260 240-494428/13	10.0	3.083959	20.0	887061.0	0.308396	Y
5	ICIS 240-494428/12	20.0	6.061242	20.0	908893.0	0.303062	Y
6	STD8260 240-494428/11	40.0	12.287615	20.0	937002.0	0.30719	Y
7	STD8260 240-494428/10	60.0	17.76365	20.0	952883.0	0.296061	Y
8	STD8260 240-494428/9	80.0	23.807612	20.0	942449.0	0.297595	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

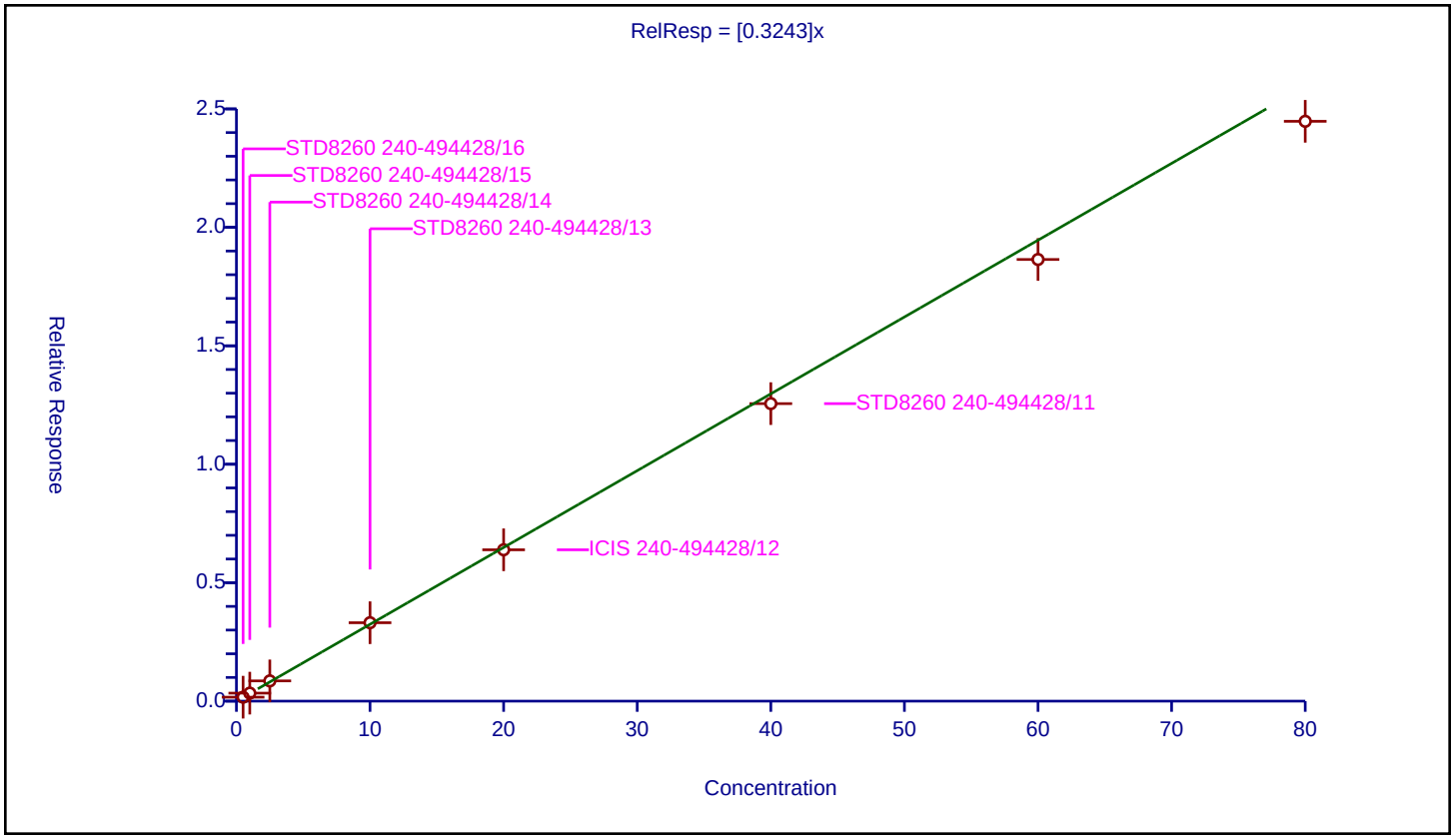
Curve Coefficients

Intercept:	0
Slope:	0.3243

Error Coefficients

Standard Error:	606000
Relative Standard Error:	4.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.166428	20.0	816451.0	0.332855	Y
2	STD8260 240-494428/15	1.0	0.33838	20.0	836456.0	0.33838	Y
3	STD8260 240-494428/14	2.5	0.855009	20.0	858026.0	0.342004	Y
4	STD8260 240-494428/13	10.0	3.310663	20.0	887061.0	0.331066	Y
5	ICIS 240-494428/12	20.0	6.388981	20.0	908893.0	0.319449	Y
6	STD8260 240-494428/11	40.0	12.558735	20.0	937002.0	0.313968	Y
7	STD8260 240-494428/10	60.0	18.643128	20.0	952883.0	0.310719	Y
8	STD8260 240-494428/9	80.0	24.47621	20.0	942449.0	0.305953	Y



Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

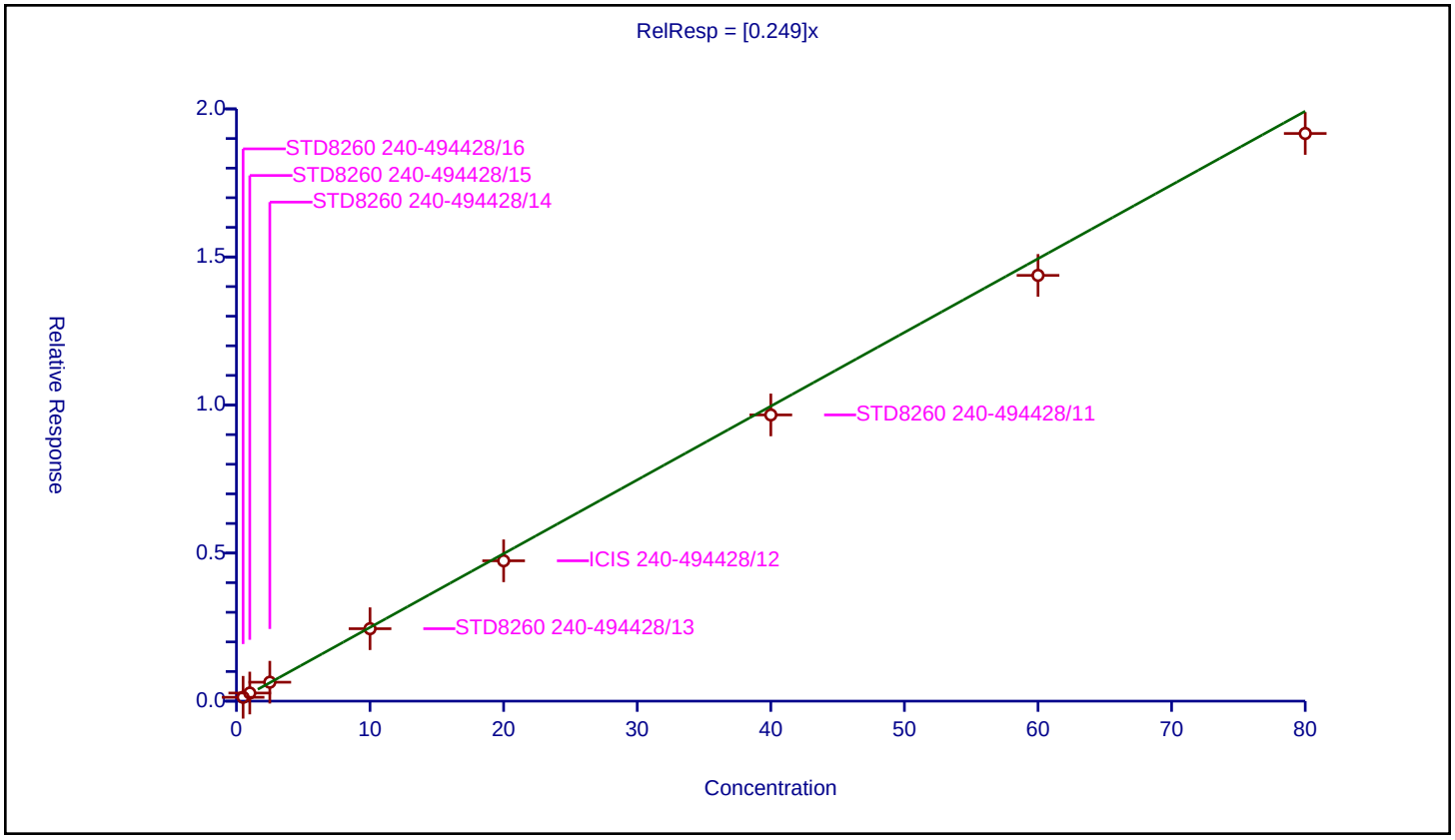
Curve Coefficients

Intercept:	0
Slope:	0.249

Error Coefficients

Standard Error:	470000
Relative Standard Error:	5.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.130173	20.0	816451.0	0.260346	Y
2	STD8260 240-494428/15	1.0	0.273726	20.0	836456.0	0.273726	Y
3	STD8260 240-494428/14	2.5	0.639141	20.0	858026.0	0.255657	Y
4	STD8260 240-494428/13	10.0	2.44592	20.0	887061.0	0.244592	Y
5	ICIS 240-494428/12	20.0	4.739854	20.0	908893.0	0.236993	Y
6	STD8260 240-494428/11	40.0	9.665273	20.0	937002.0	0.241632	Y
7	STD8260 240-494428/10	60.0	14.378051	20.0	952883.0	0.239634	Y
8	STD8260 240-494428/9	80.0	19.169738	20.0	942449.0	0.239622	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

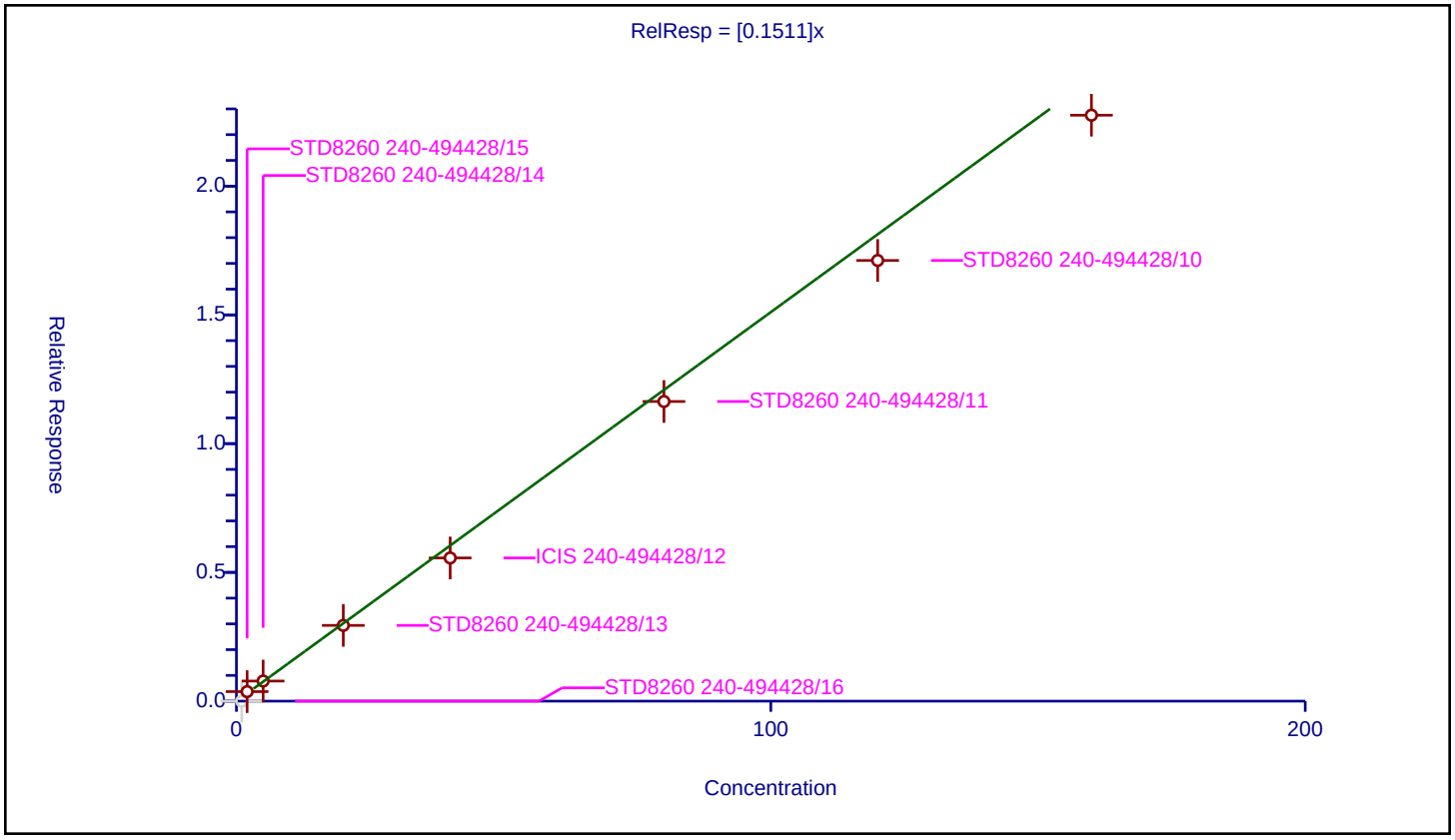
Curve Coefficients

Intercept:	0
Slope:	0.1511

Error Coefficients

Standard Error:	605000
Relative Standard Error:	10.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	1.0	0.0	20.0	816451.0	0.0	N
2	STD8260 240-494428/15	2.0	0.369894	20.0	836456.0	0.184947	Y
3	STD8260 240-494428/14	5.0	0.780909	20.0	858026.0	0.156182	Y
4	STD8260 240-494428/13	20.0	2.941241	20.0	887061.0	0.147062	Y
5	ICIS 240-494428/12	40.0	5.561051	20.0	908893.0	0.139026	Y
6	STD8260 240-494428/11	80.0	11.636539	20.0	937002.0	0.145457	Y
7	STD8260 240-494428/10	120.0	17.113287	20.0	952883.0	0.142611	Y
8	STD8260 240-494428/9	160.0	22.754462	20.0	942449.0	0.142215	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

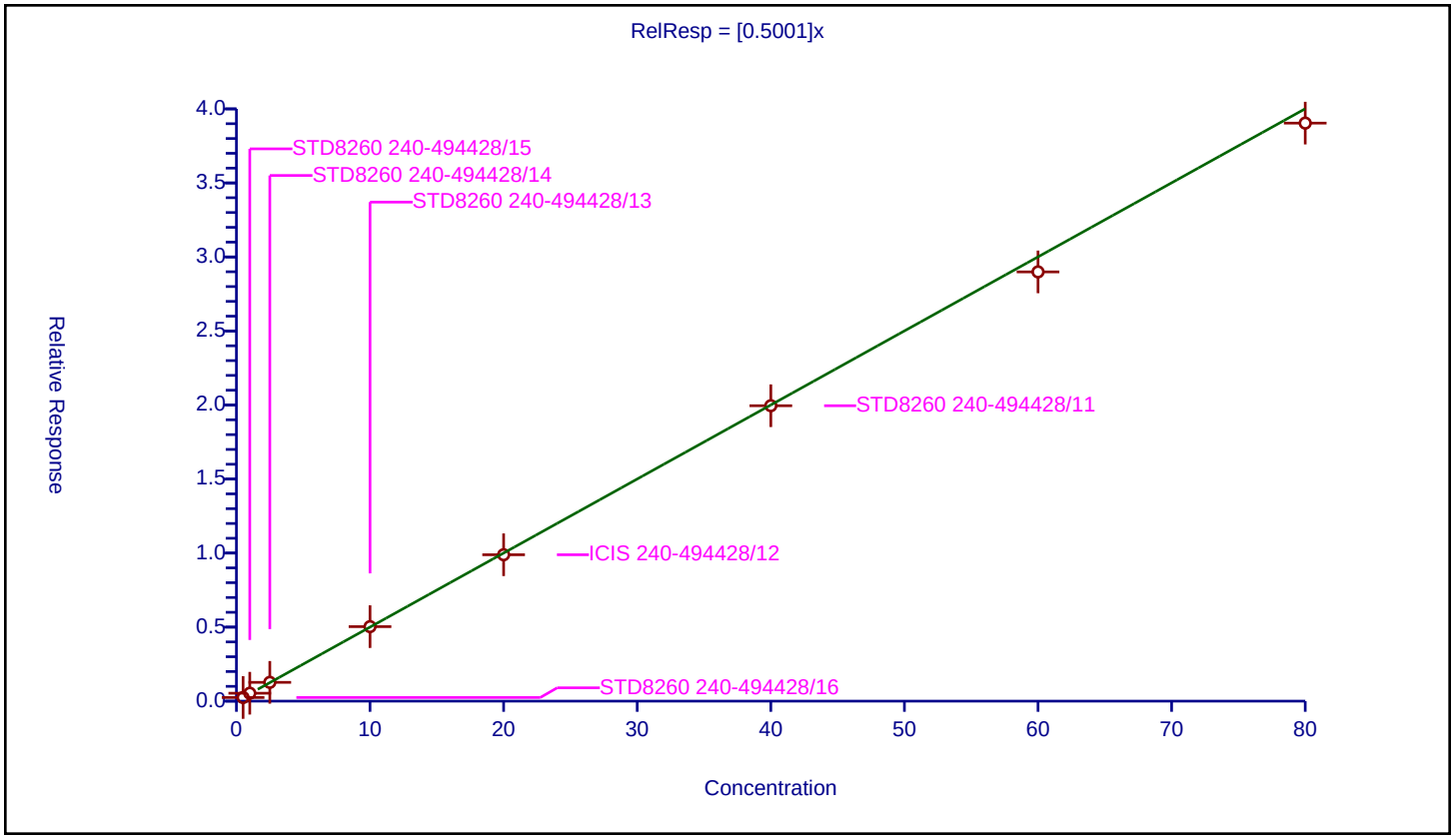
Curve Coefficients

Intercept:	0
Slope:	0.5001

Error Coefficients

Standard Error:	958000
Relative Standard Error:	3.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.245649	20.0	816451.0	0.491297	Y
2	STD8260 240-494428/15	1.0	0.534302	20.0	836456.0	0.534302	Y
3	STD8260 240-494428/14	2.5	1.268936	20.0	858026.0	0.507574	Y
4	STD8260 240-494428/13	10.0	5.03174	20.0	887061.0	0.503174	Y
5	ICIS 240-494428/12	20.0	9.887655	20.0	908893.0	0.494383	Y
6	STD8260 240-494428/11	40.0	19.952188	20.0	937002.0	0.498805	Y
7	STD8260 240-494428/10	60.0	28.991156	20.0	952883.0	0.483186	Y
8	STD8260 240-494428/9	80.0	39.039311	20.0	942449.0	0.487991	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

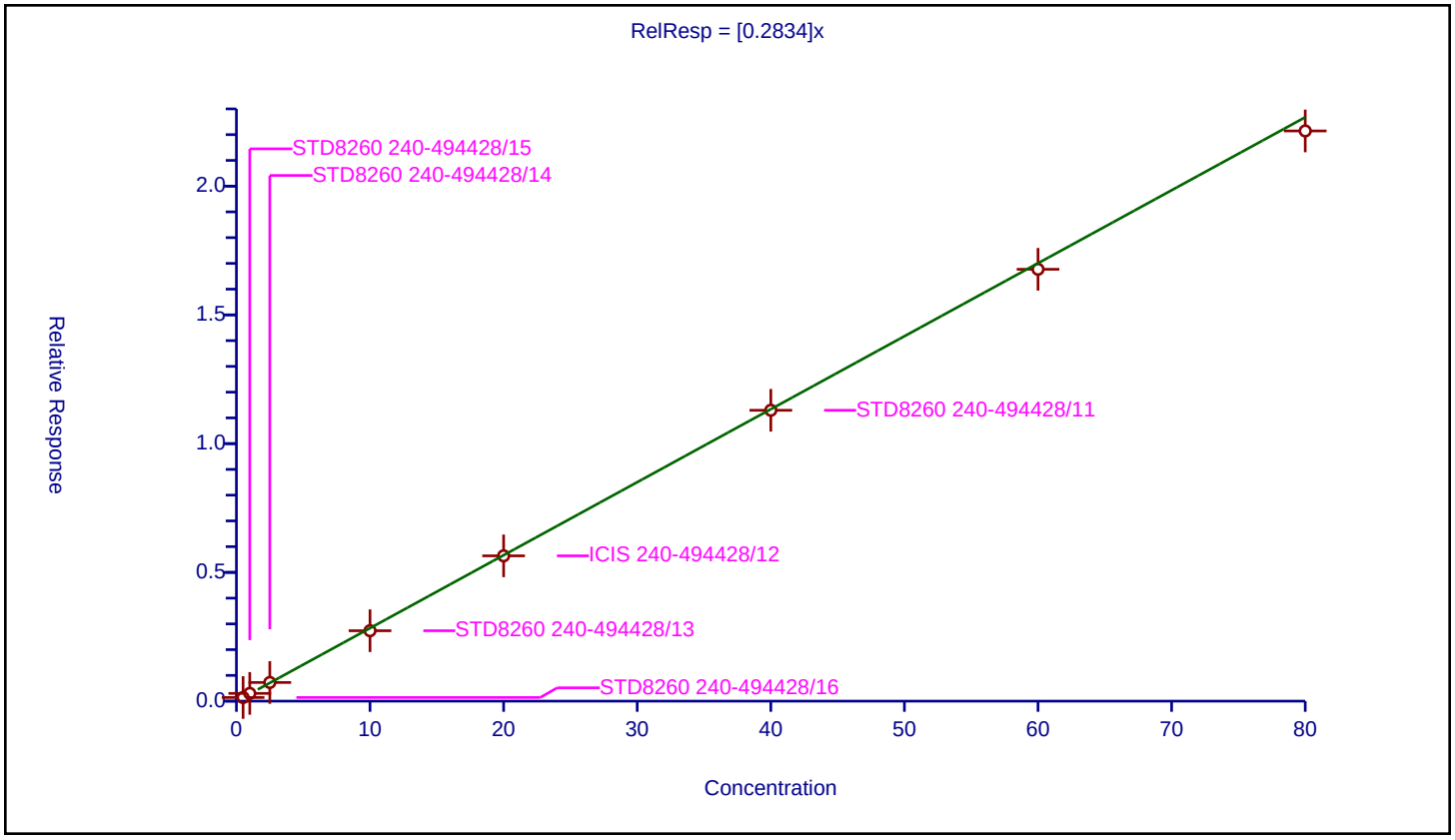
Curve Coefficients

Intercept:	0
Slope:	0.2834

Error Coefficients

Standard Error:	546000
Relative Standard Error:	3.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.141368	20.0	816451.0	0.282736	Y
2	STD8260 240-494428/15	1.0	0.300458	20.0	836456.0	0.300458	Y
3	STD8260 240-494428/14	2.5	0.724896	20.0	858026.0	0.289959	Y
4	STD8260 240-494428/13	10.0	2.734513	20.0	887061.0	0.273451	Y
5	ICIS 240-494428/12	20.0	5.642754	20.0	908893.0	0.282138	Y
6	STD8260 240-494428/11	40.0	11.295686	20.0	937002.0	0.282392	Y
7	STD8260 240-494428/10	60.0	16.770957	20.0	952883.0	0.279516	Y
8	STD8260 240-494428/9	80.0	22.143501	20.0	942449.0	0.276794	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

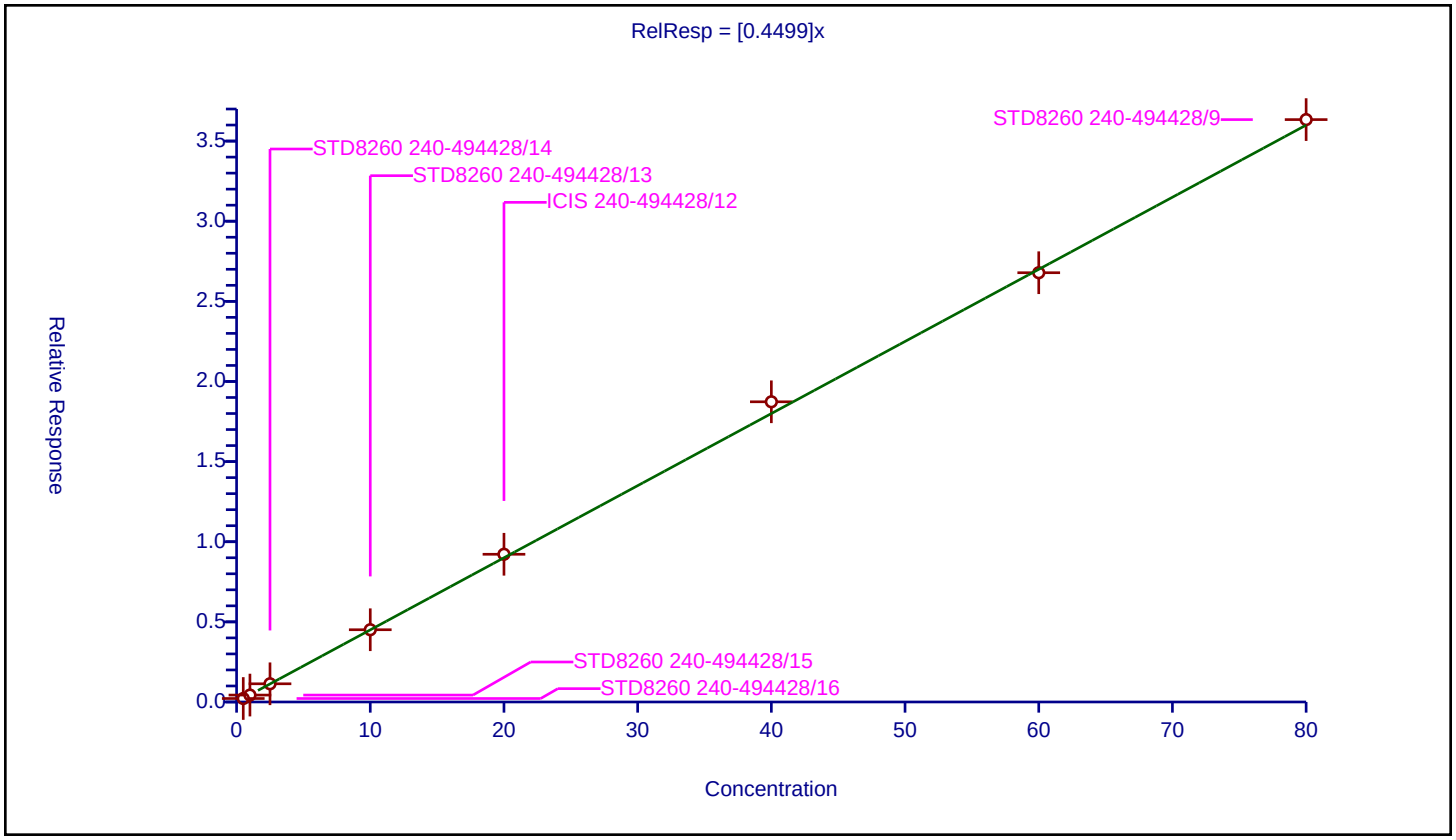
Curve Coefficients

Intercept:	0
Slope:	0.4499

Error Coefficients

Standard Error:	890000
Relative Standard Error:	2.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.216743	20.0	816451.0	0.433486	Y
2	STD8260 240-494428/15	1.0	0.430961	20.0	836456.0	0.430961	Y
3	STD8260 240-494428/14	2.5	1.135513	20.0	858026.0	0.454205	Y
4	STD8260 240-494428/13	10.0	4.509183	20.0	887061.0	0.450918	Y
5	ICIS 240-494428/12	20.0	9.217917	20.0	908893.0	0.460896	Y
6	STD8260 240-494428/11	40.0	18.731657	20.0	937002.0	0.468291	Y
7	STD8260 240-494428/10	60.0	26.785534	20.0	952883.0	0.446426	Y
8	STD8260 240-494428/9	80.0	36.338985	20.0	942449.0	0.454237	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

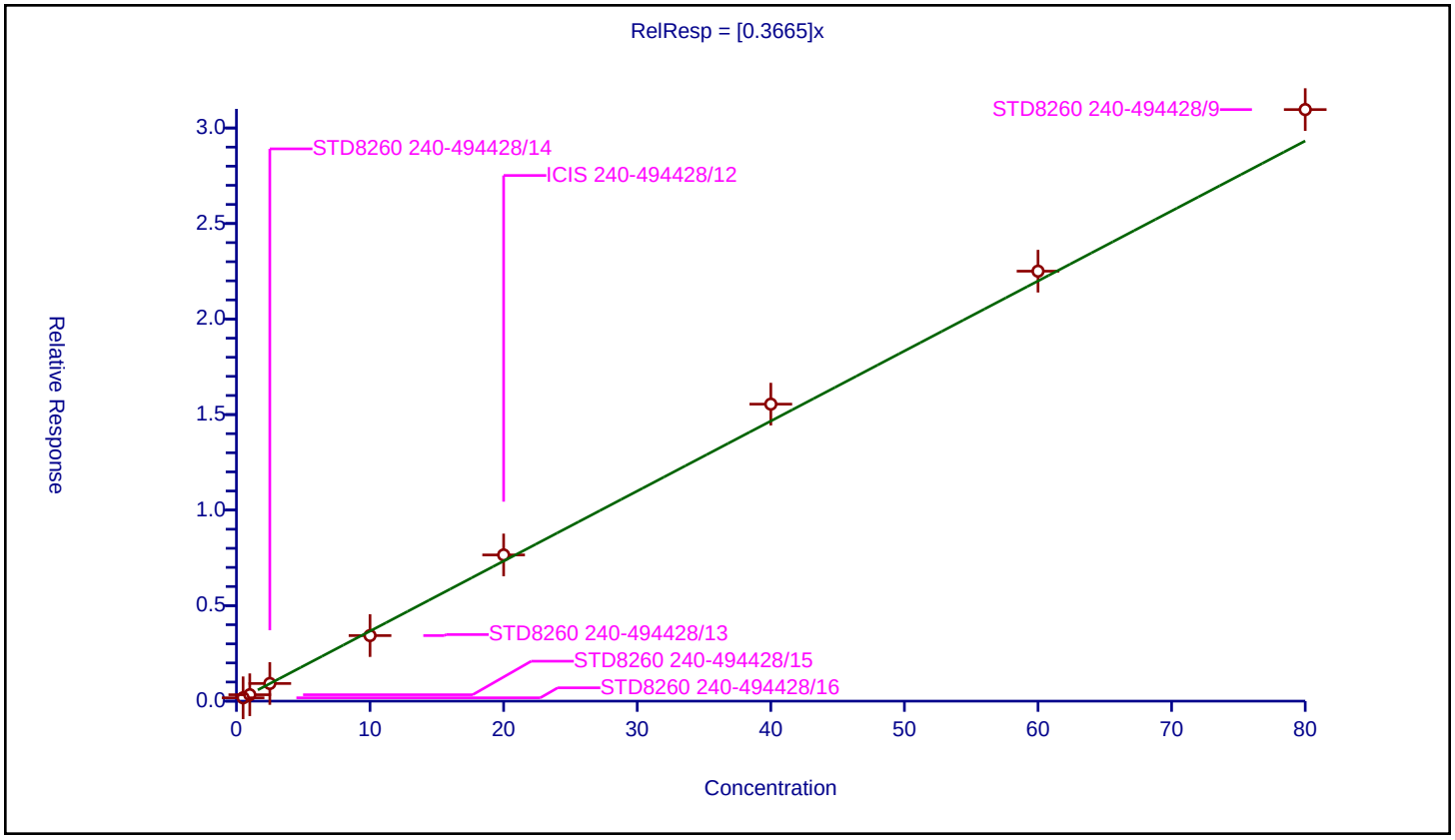
Curve Coefficients

Intercept:	0
Slope:	0.3665

Error Coefficients

Standard Error:	752000
Relative Standard Error:	5.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.175344	20.0	816451.0	0.350689	Y
2	STD8260 240-494428/15	1.0	0.335415	20.0	836456.0	0.335415	Y
3	STD8260 240-494428/14	2.5	0.924075	20.0	858026.0	0.36963	Y
4	STD8260 240-494428/13	10.0	3.431872	20.0	887061.0	0.343187	Y
5	ICIS 240-494428/12	20.0	7.652518	20.0	908893.0	0.382626	Y
6	STD8260 240-494428/11	40.0	15.546242	20.0	937002.0	0.388656	Y
7	STD8260 240-494428/10	60.0	22.505428	20.0	952883.0	0.37509	Y
8	STD8260 240-494428/9	80.0	30.96401	20.0	942449.0	0.38705	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

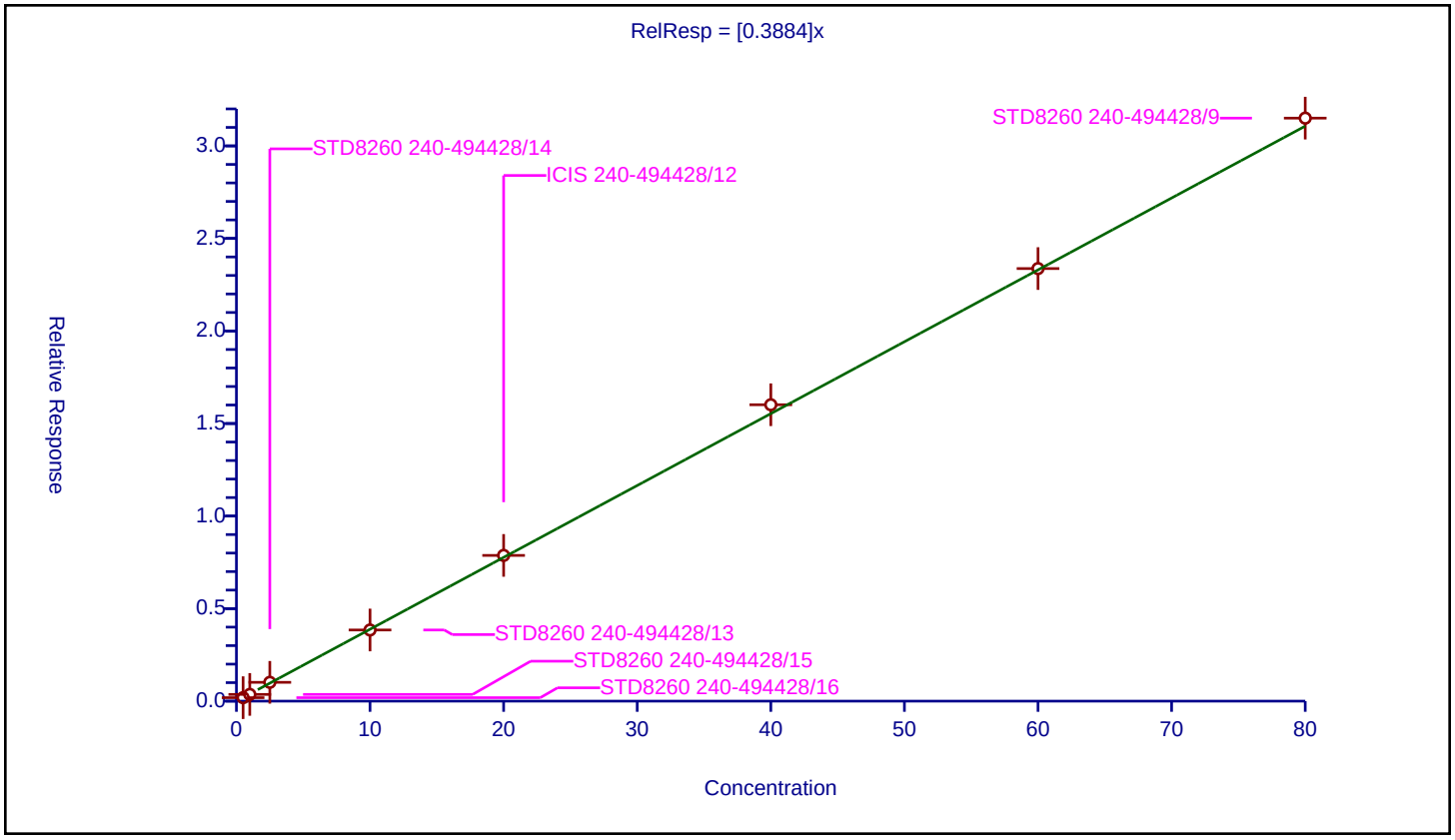
Curve Coefficients

Intercept:	0
Slope:	0.3884

Error Coefficients

Standard Error:	771000
Relative Standard Error:	3.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.187788	20.0	816451.0	0.375577	Y
2	STD8260 240-494428/15	1.0	0.36284	20.0	836456.0	0.36284	Y
3	STD8260 240-494428/14	2.5	1.016589	20.0	858026.0	0.406636	Y
4	STD8260 240-494428/13	10.0	3.844087	20.0	887061.0	0.384409	Y
5	ICIS 240-494428/12	20.0	7.873776	20.0	908893.0	0.393689	Y
6	STD8260 240-494428/11	40.0	16.015377	20.0	937002.0	0.400384	Y
7	STD8260 240-494428/10	60.0	23.372985	20.0	952883.0	0.38955	Y
8	STD8260 240-494428/9	80.0	31.500378	20.0	942449.0	0.393755	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

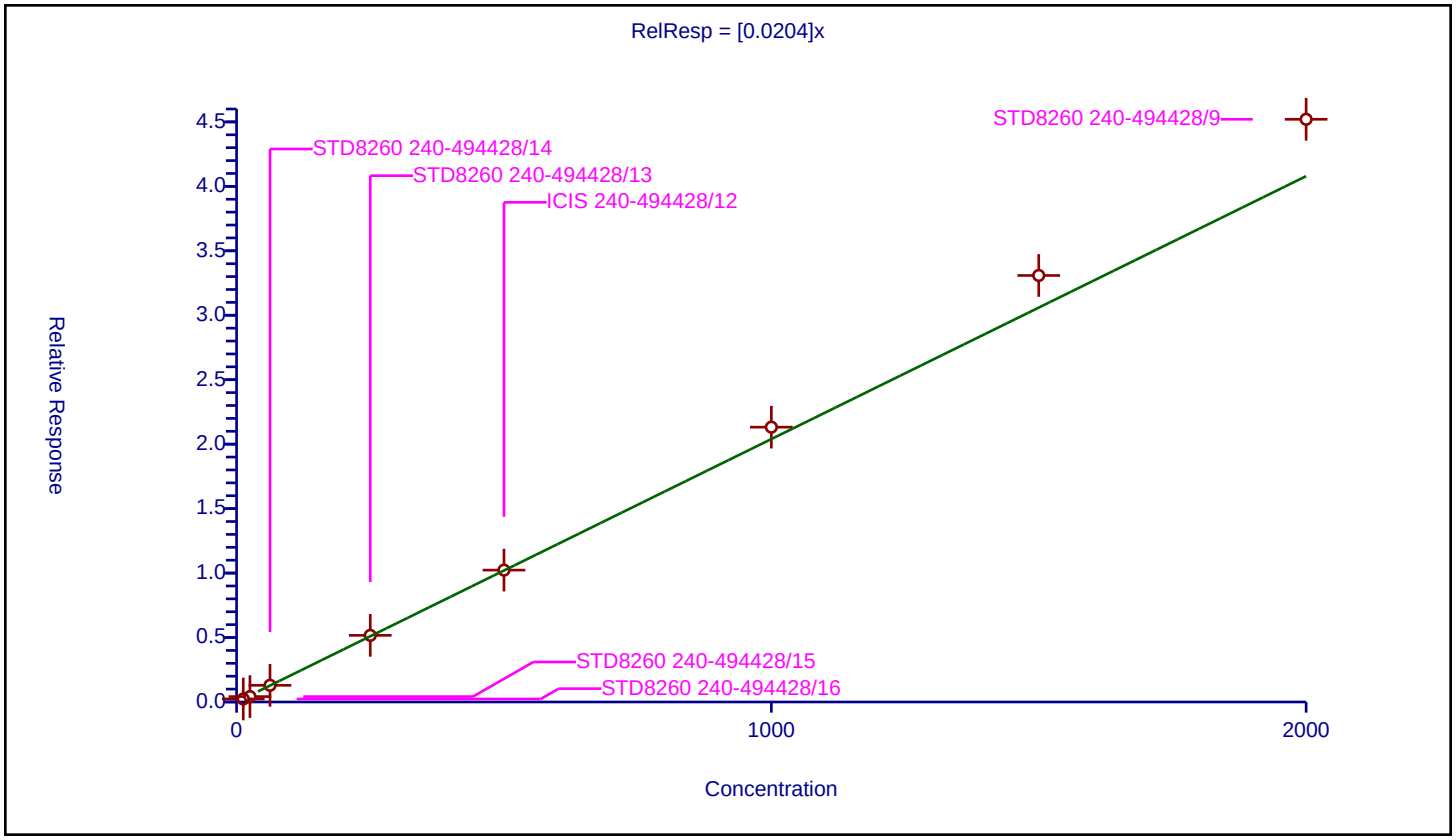
Curve Coefficients

Intercept:	0
Slope:	0.0204

Error Coefficients

Standard Error:	1090000
Relative Standard Error:	9.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	12.5	0.232592	20.0	816451.0	0.018607	Y
2	STD8260 240-494428/15	25.0	0.418289	20.0	836456.0	0.016732	Y
3	STD8260 240-494428/14	62.5	1.29432	20.0	858026.0	0.020709	Y
4	STD8260 240-494428/13	250.0	5.168235	20.0	887061.0	0.020673	Y
5	ICIS 240-494428/12	500.0	10.230665	20.0	908893.0	0.020461	Y
6	STD8260 240-494428/11	1000.0	21.321662	20.0	937002.0	0.021322	Y
7	STD8260 240-494428/10	1500.0	33.088029	20.0	952883.0	0.022059	Y
8	STD8260 240-494428/9	2000.0	45.203019	20.0	942449.0	0.022602	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

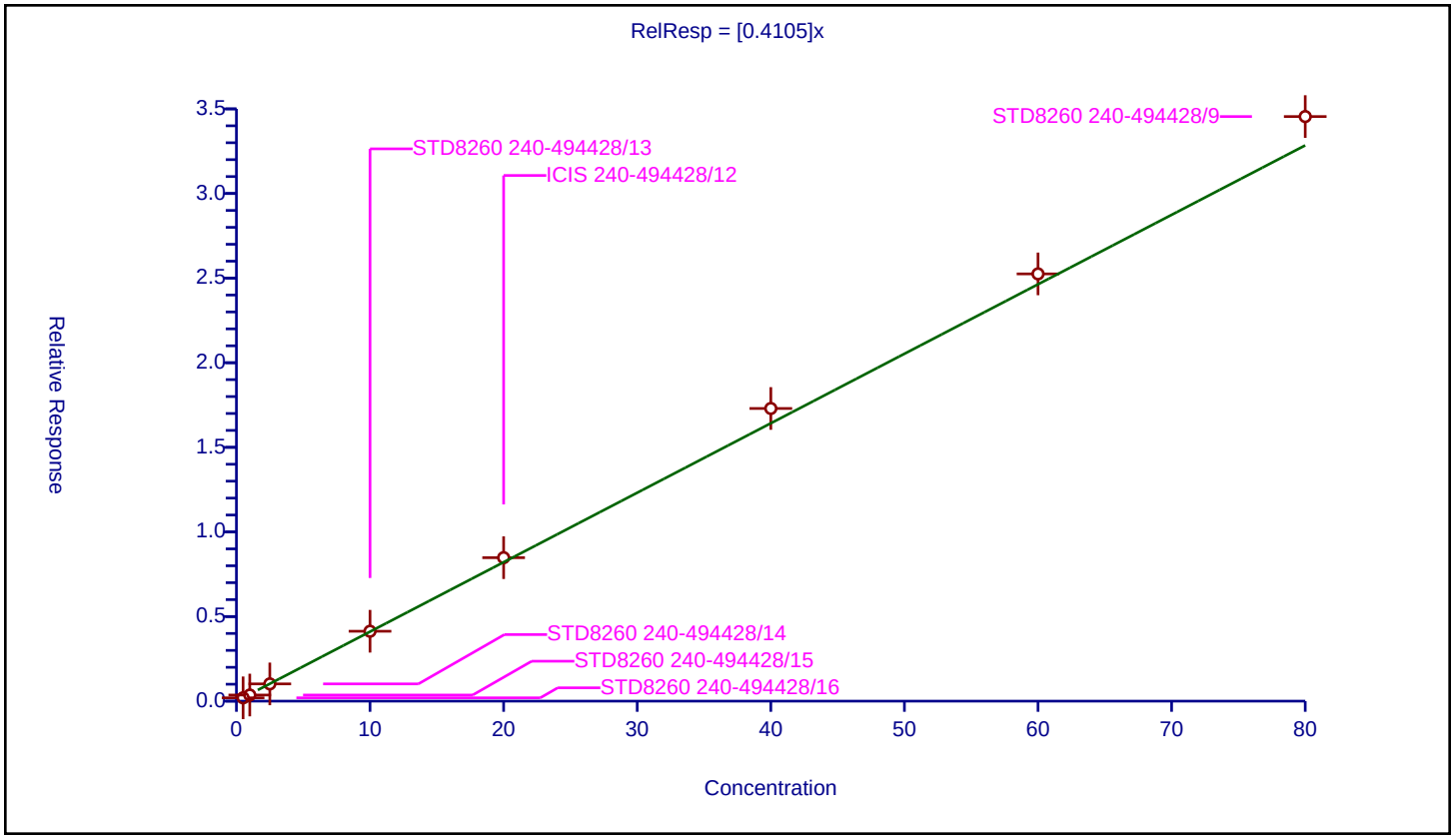
Curve Coefficients

Intercept:	0
Slope:	0.4105

Error Coefficients

Standard Error:	840000
Relative Standard Error:	5.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.196705	20.0	816451.0	0.39341	Y
2	STD8260 240-494428/15	1.0	0.361167	20.0	836456.0	0.361167	Y
3	STD8260 240-494428/14	2.5	1.019223	20.0	858026.0	0.407689	Y
4	STD8260 240-494428/13	10.0	4.131666	20.0	887061.0	0.413167	Y
5	ICIS 240-494428/12	20.0	8.477962	20.0	908893.0	0.423898	Y
6	STD8260 240-494428/11	40.0	17.295161	20.0	937002.0	0.432379	Y
7	STD8260 240-494428/10	60.0	25.249522	20.0	952883.0	0.420825	Y
8	STD8260 240-494428/9	80.0	34.546973	20.0	942449.0	0.431837	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

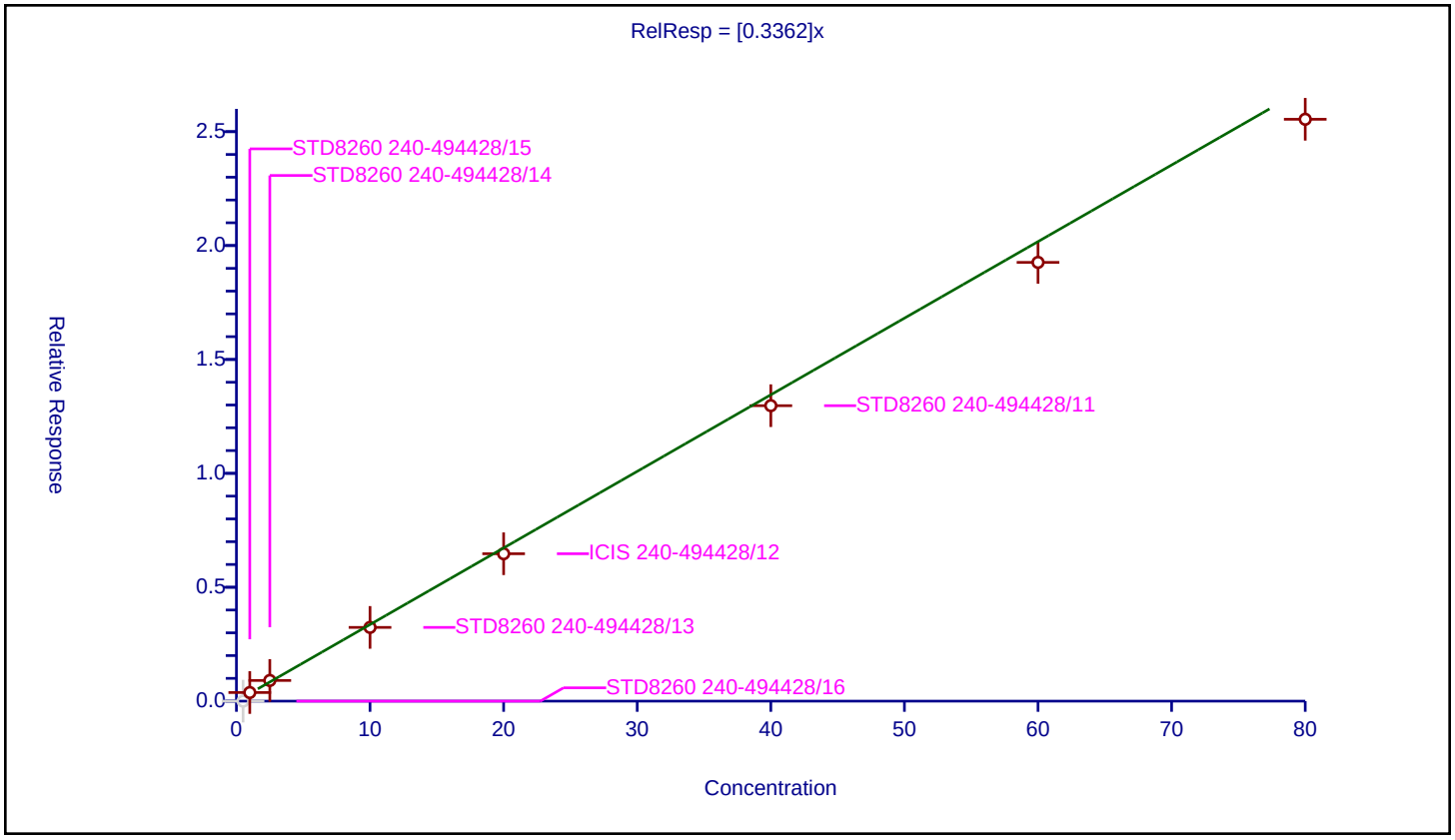
Curve Coefficients

Intercept:	0
Slope:	0.3362

Error Coefficients

Standard Error:	679000
Relative Standard Error:	7.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.0	20.0	816451.0	0.0	N
2	STD8260 240-494428/15	1.0	0.378526	20.0	836456.0	0.378526	Y
3	STD8260 240-494428/14	2.5	0.908061	20.0	858026.0	0.363224	Y
4	STD8260 240-494428/13	10.0	3.237049	20.0	887061.0	0.323705	Y
5	ICIS 240-494428/12	20.0	6.471235	20.0	908893.0	0.323562	Y
6	STD8260 240-494428/11	40.0	12.971008	20.0	937002.0	0.324275	Y
7	STD8260 240-494428/10	60.0	19.261399	20.0	952883.0	0.321023	Y
8	STD8260 240-494428/9	80.0	25.544173	20.0	942449.0	0.319302	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

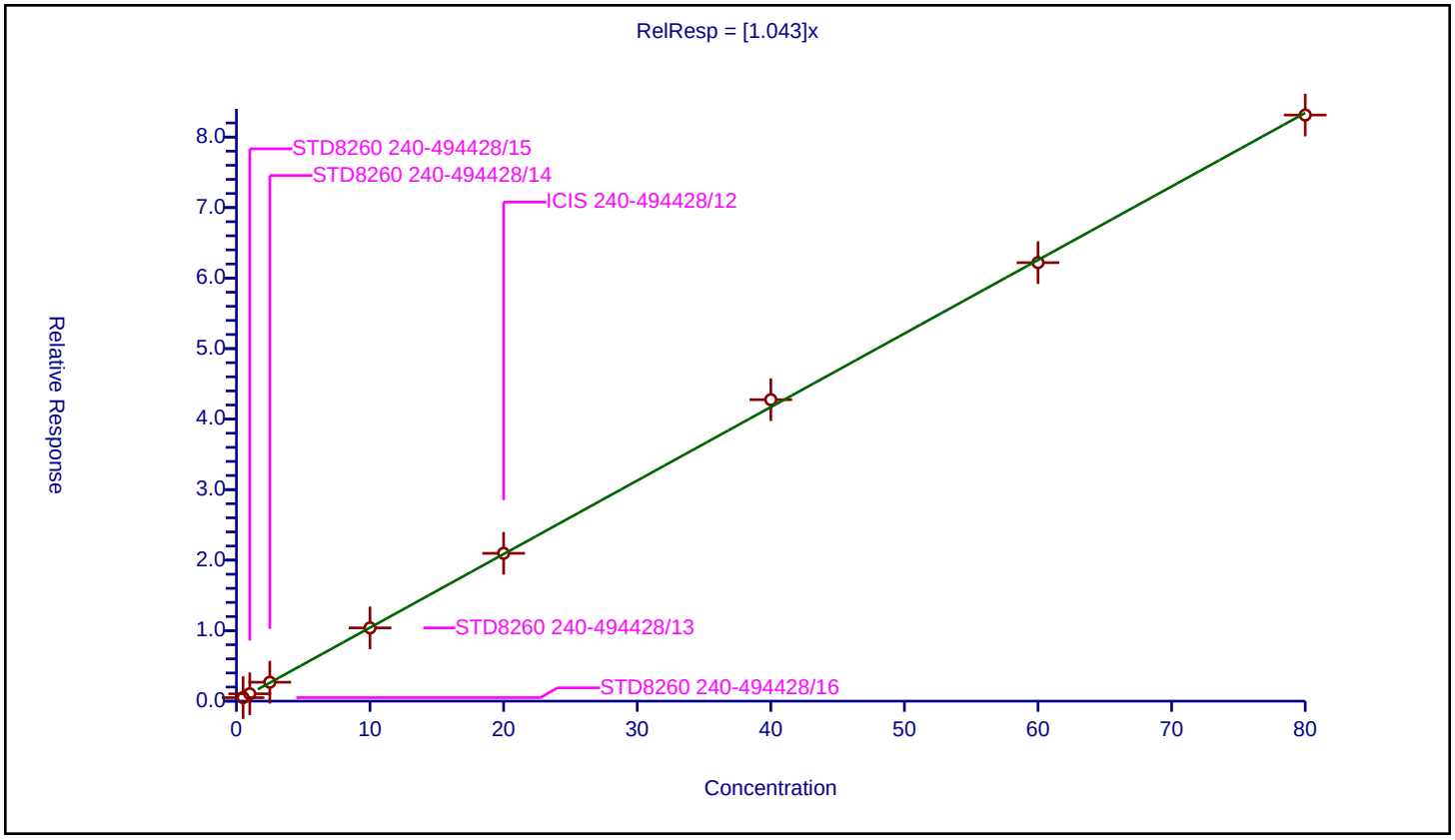
Curve Coefficients

Intercept:	0
Slope:	1.043

Error Coefficients

Standard Error:	2040000
Relative Standard Error:	2.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.496025	20.0	816451.0	0.99205	Y
2	STD8260 240-494428/15	1.0	1.044096	20.0	836456.0	1.044096	Y
3	STD8260 240-494428/14	2.5	2.684977	20.0	858026.0	1.073991	Y
4	STD8260 240-494428/13	10.0	10.390559	20.0	887061.0	1.039056	Y
5	ICIS 240-494428/12	20.0	20.968431	20.0	908893.0	1.048422	Y
6	STD8260 240-494428/11	40.0	42.758287	20.0	937002.0	1.068957	Y
7	STD8260 240-494428/10	60.0	62.192	20.0	952883.0	1.036533	Y
8	STD8260 240-494428/9	80.0	83.127023	20.0	942449.0	1.039088	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

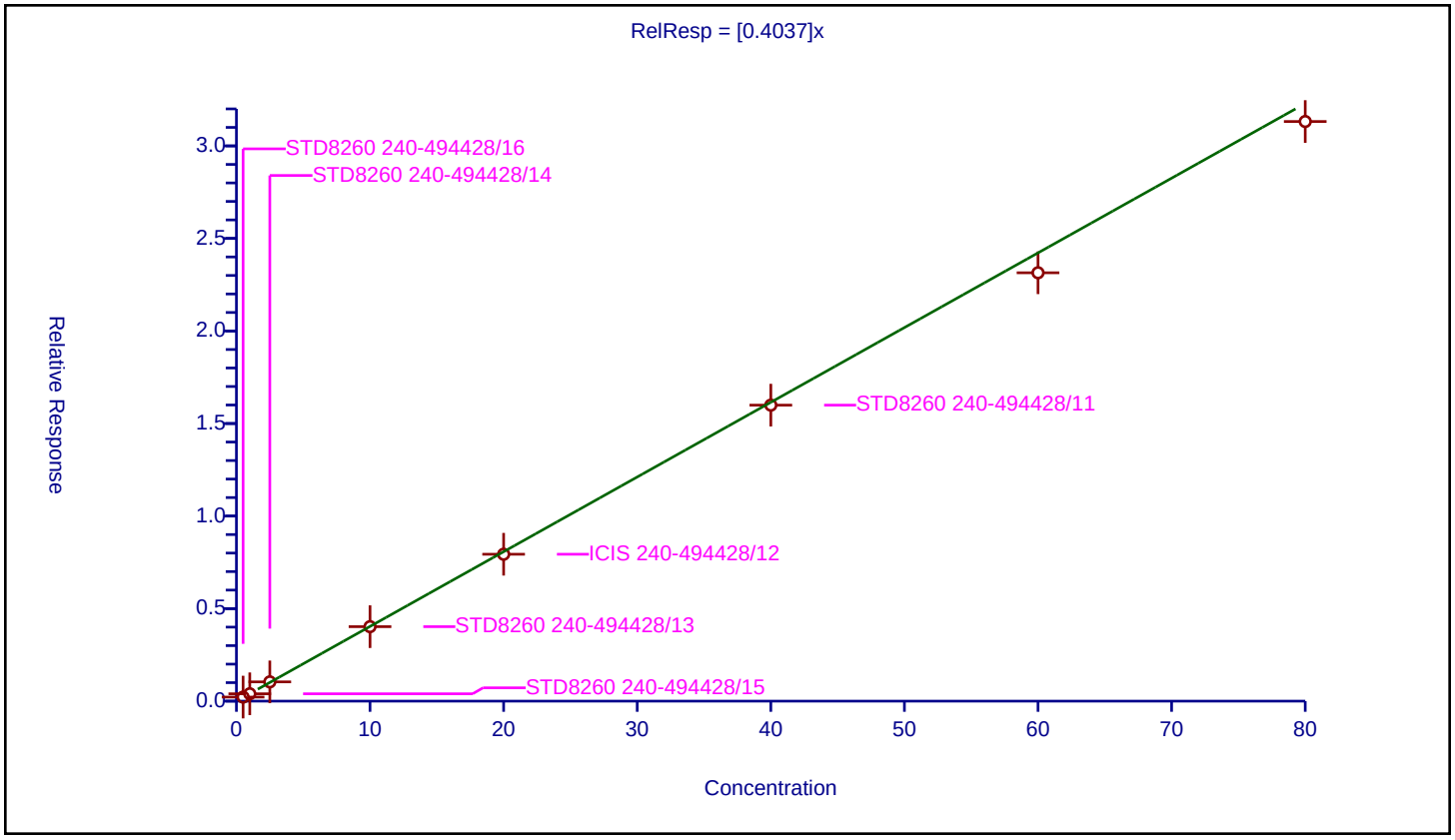
Curve Coefficients

Intercept:	0
Slope:	0.4037

Error Coefficients

Standard Error:	767000
Relative Standard Error:	4.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.218948	20.0	816451.0	0.437895	Y
2	STD8260 240-494428/15	1.0	0.39861	20.0	836456.0	0.39861	Y
3	STD8260 240-494428/14	2.5	1.041111	20.0	858026.0	0.416444	Y
4	STD8260 240-494428/13	10.0	4.024887	20.0	887061.0	0.402489	Y
5	ICIS 240-494428/12	20.0	7.937084	20.0	908893.0	0.396854	Y
6	STD8260 240-494428/11	40.0	15.993498	20.0	937002.0	0.399837	Y
7	STD8260 240-494428/10	60.0	23.145486	20.0	952883.0	0.385758	Y
8	STD8260 240-494428/9	80.0	31.317557	20.0	942449.0	0.391469	Y



Calibration / n-Heptane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

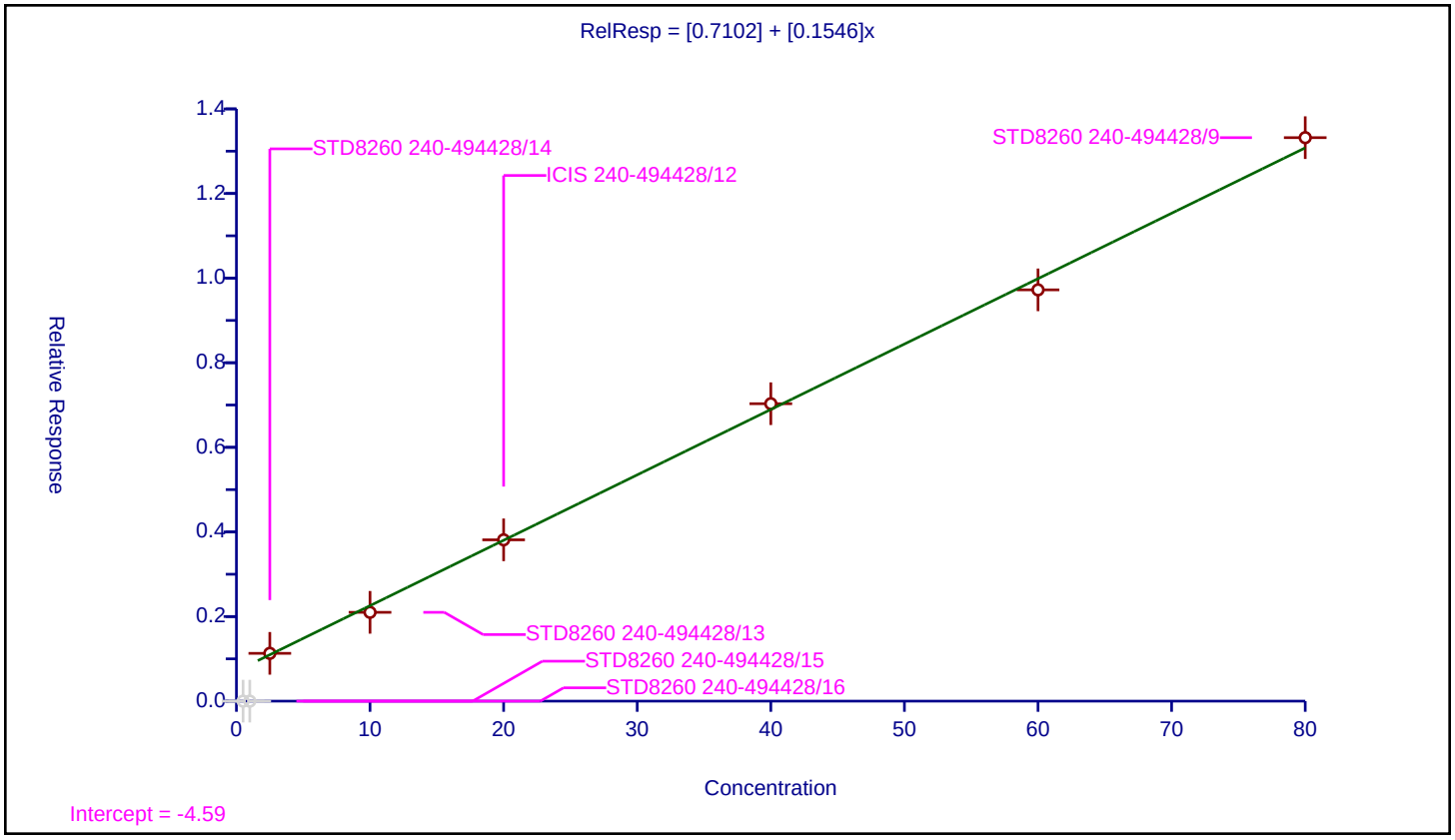
Curve Coefficients

Intercept:	0.7102
Slope:	0.1546

Error Coefficients

Standard Error:	435000
Relative Standard Error:	6.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.0	20.0	816451.0	0.0	N
2	STD8260 240-494428/15	1.0	0.0	20.0	836456.0	0.0	N
3	STD8260 240-494428/14	2.5	1.129523	20.0	858026.0	0.451809	Y
4	STD8260 240-494428/13	10.0	2.099608	20.0	887061.0	0.209961	Y
5	ICIS 240-494428/12	20.0	3.81288	20.0	908893.0	0.190644	Y
6	STD8260 240-494428/11	40.0	7.031298	20.0	937002.0	0.175782	Y
7	STD8260 240-494428/10	60.0	9.722432	20.0	952883.0	0.162041	Y
8	STD8260 240-494428/9	80.0	13.319787	20.0	942449.0	0.166497	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

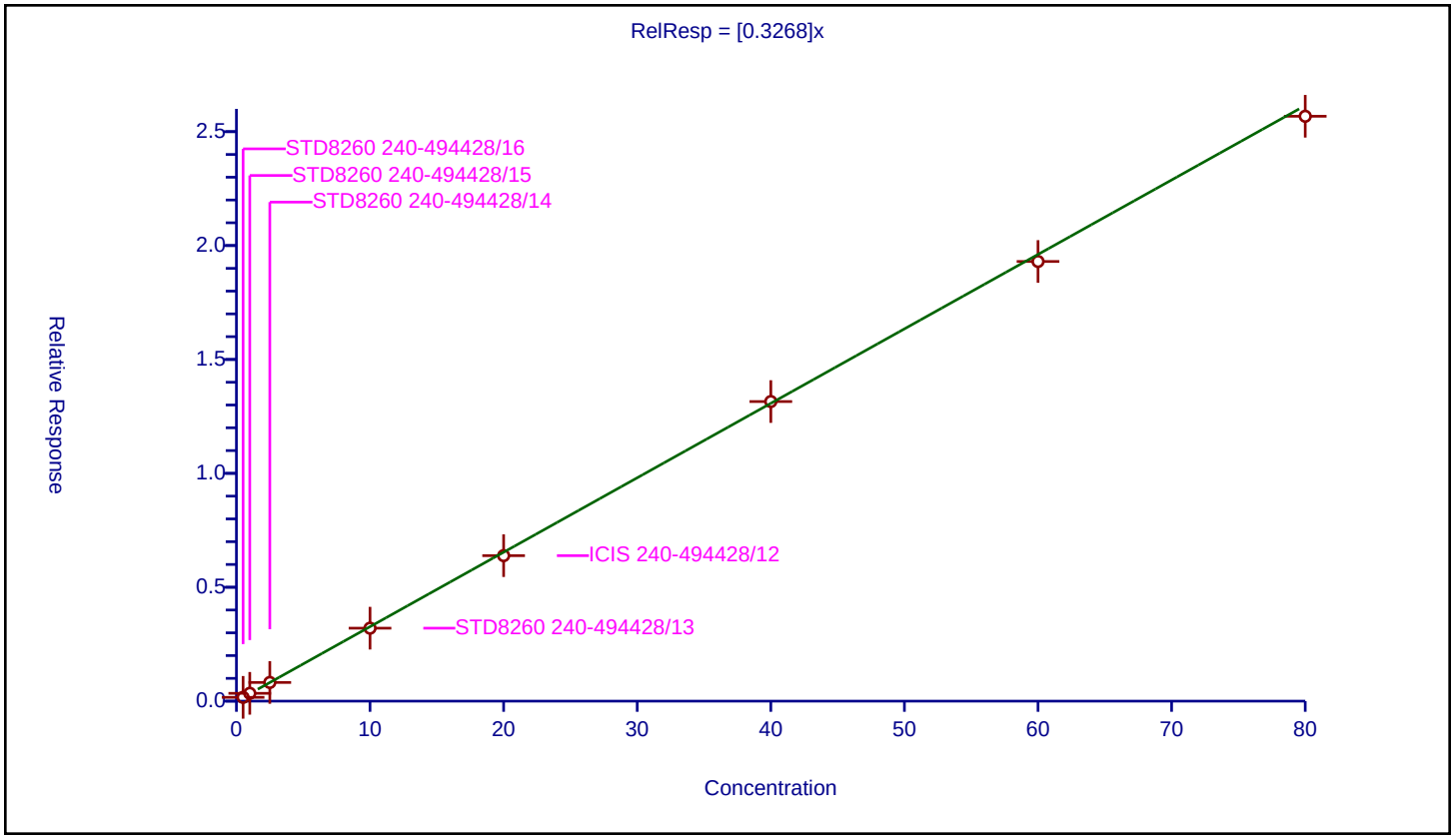
Curve Coefficients

Intercept:	0
Slope:	0.3268

Error Coefficients

Standard Error:	632000
Relative Standard Error:	2.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.166134	20.0	816451.0	0.332267	Y
2	STD8260 240-494428/15	1.0	0.343329	20.0	836456.0	0.343329	Y
3	STD8260 240-494428/14	2.5	0.819998	20.0	858026.0	0.327999	Y
4	STD8260 240-494428/13	10.0	3.20323	20.0	887061.0	0.320323	Y
5	ICIS 240-494428/12	20.0	6.387529	20.0	908893.0	0.319376	Y
6	STD8260 240-494428/11	40.0	13.152544	20.0	937002.0	0.328814	Y
7	STD8260 240-494428/10	60.0	19.301887	20.0	952883.0	0.321698	Y
8	STD8260 240-494428/9	80.0	25.676212	20.0	942449.0	0.320953	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

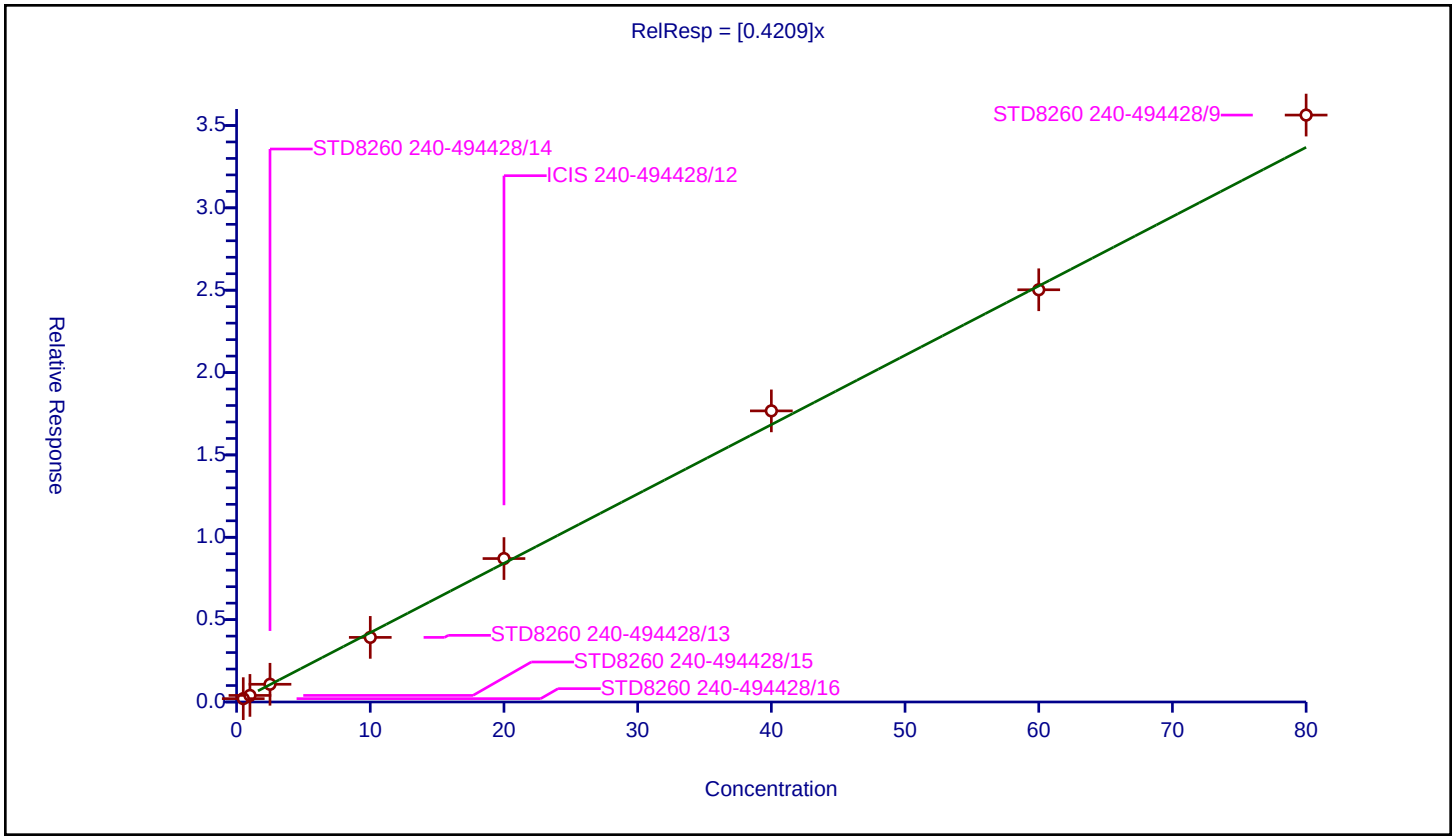
Curve Coefficients

Intercept:	0
Slope:	0.4209

Error Coefficients

Standard Error:	855000
Relative Standard Error:	4.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.20349	20.0	816451.0	0.406981	Y
2	STD8260 240-494428/15	1.0	0.398371	20.0	836456.0	0.398371	Y
3	STD8260 240-494428/14	2.5	1.075585	20.0	858026.0	0.430234	Y
4	STD8260 240-494428/13	10.0	3.922053	20.0	887061.0	0.392205	Y
5	ICIS 240-494428/12	20.0	8.707648	20.0	908893.0	0.435382	Y
6	STD8260 240-494428/11	40.0	17.673324	20.0	937002.0	0.441833	Y
7	STD8260 240-494428/10	60.0	25.026053	20.0	952883.0	0.417101	Y
8	STD8260 240-494428/9	80.0	35.632697	20.0	942449.0	0.445409	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

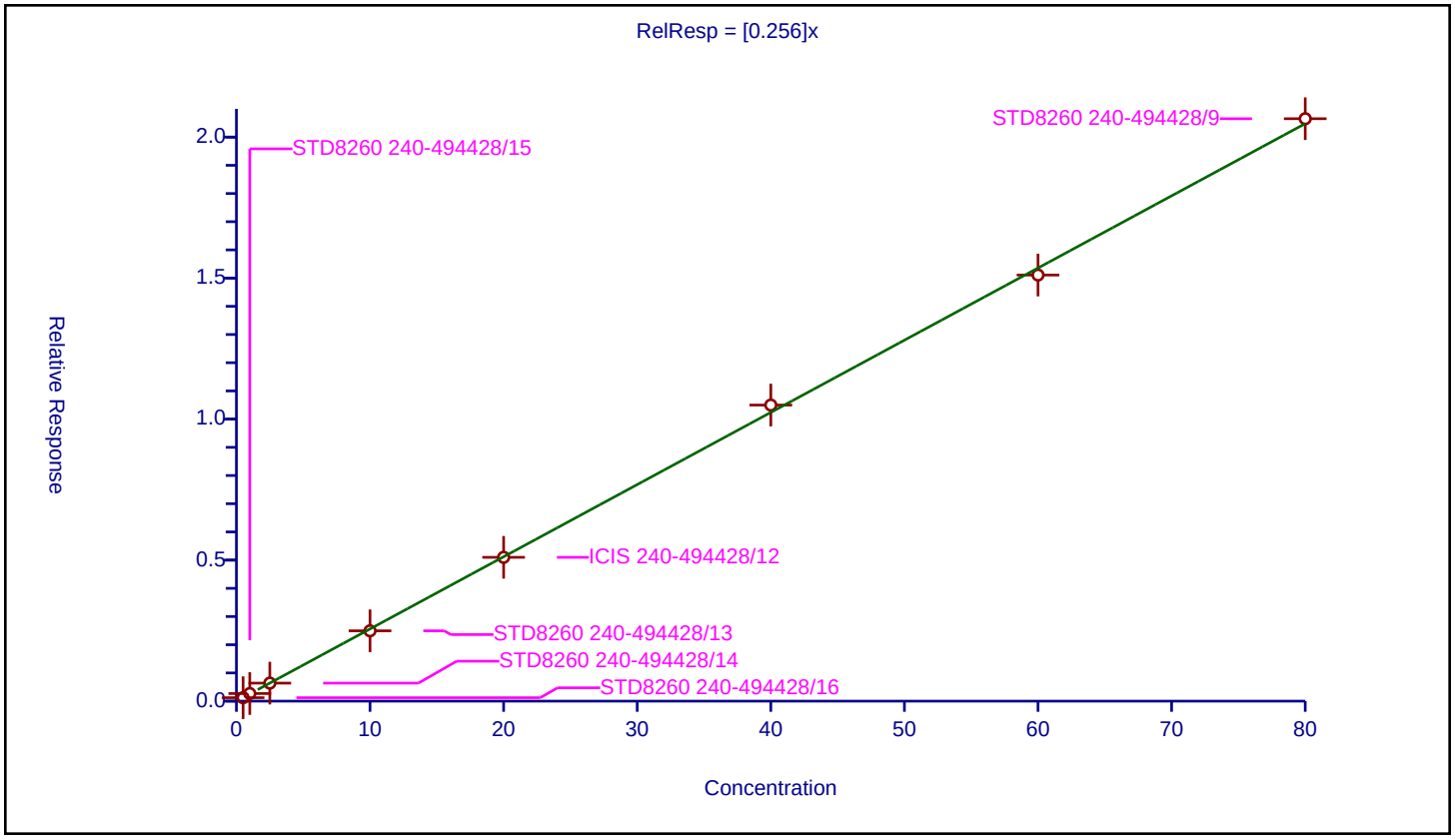
Curve Coefficients

Intercept:	0
Slope:	0.256

Error Coefficients

Standard Error:	503000
Relative Standard Error:	3.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.122726	20.0	816451.0	0.245453	Y
2	STD8260 240-494428/15	1.0	0.269901	20.0	836456.0	0.269901	Y
3	STD8260 240-494428/14	2.5	0.639141	20.0	858026.0	0.255657	Y
4	STD8260 240-494428/13	10.0	2.493335	20.0	887061.0	0.249333	Y
5	ICIS 240-494428/12	20.0	5.098928	20.0	908893.0	0.254946	Y
6	STD8260 240-494428/11	40.0	10.498676	20.0	937002.0	0.262467	Y
7	STD8260 240-494428/10	60.0	15.109011	20.0	952883.0	0.251817	Y
8	STD8260 240-494428/9	80.0	20.651515	20.0	942449.0	0.258144	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

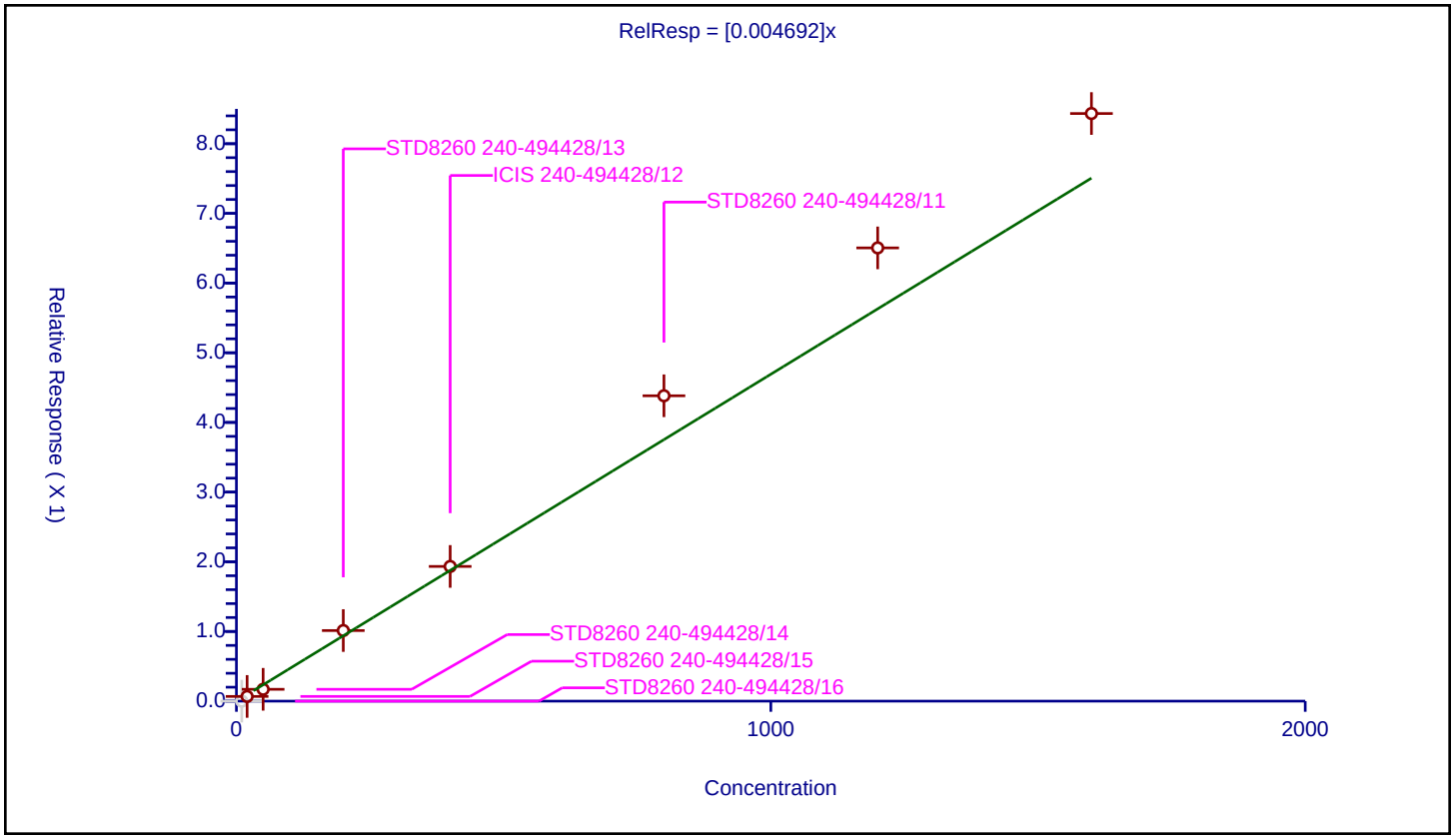
Curve Coefficients

Intercept:	0
Slope:	0.004692

Error Coefficients

Standard Error:	226000
Relative Standard Error:	19.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.961

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	10.0	0.0	20.0	816451.0	0.0	N
2	STD8260 240-494428/15	20.0	0.067499	20.0	836456.0	0.003375	Y
3	STD8260 240-494428/14	50.0	0.169902	20.0	858026.0	0.003398	Y
4	STD8260 240-494428/13	200.0	1.012986	20.0	887061.0	0.005065	Y
5	ICIS 240-494428/12	400.0	1.933099	20.0	908893.0	0.004833	Y
6	STD8260 240-494428/11	800.0	4.382787	20.0	937002.0	0.005478	Y
7	STD8260 240-494428/10	1200.0	6.505122	20.0	952883.0	0.005421	Y
8	STD8260 240-494428/9	1600.0	8.433326	20.0	942449.0	0.005271	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

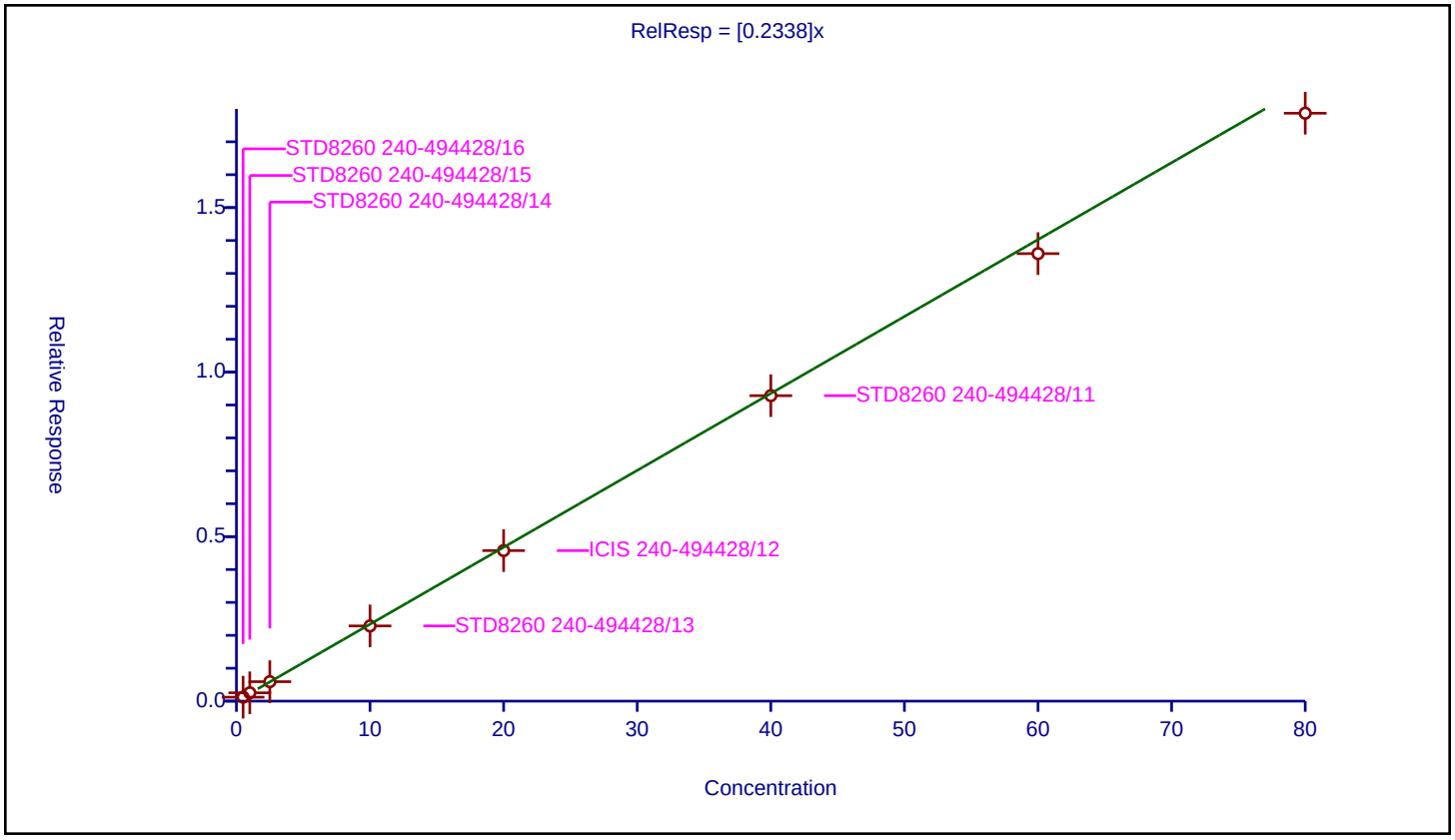
Curve Coefficients

Intercept:	0
Slope:	0.2338

Error Coefficients

Standard Error:	443000
Relative Standard Error:	4.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.120571	20.0	816451.0	0.241141	Y
2	STD8260 240-494428/15	1.0	0.253068	20.0	836456.0	0.253068	Y
3	STD8260 240-494428/14	2.5	0.591357	20.0	858026.0	0.236543	Y
4	STD8260 240-494428/13	10.0	2.285908	20.0	887061.0	0.228591	Y
5	ICIS 240-494428/12	20.0	4.575676	20.0	908893.0	0.228784	Y
6	STD8260 240-494428/11	40.0	9.284569	20.0	937002.0	0.232114	Y
7	STD8260 240-494428/10	60.0	13.601418	20.0	952883.0	0.22669	Y
8	STD8260 240-494428/9	80.0	17.868702	20.0	942449.0	0.223359	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

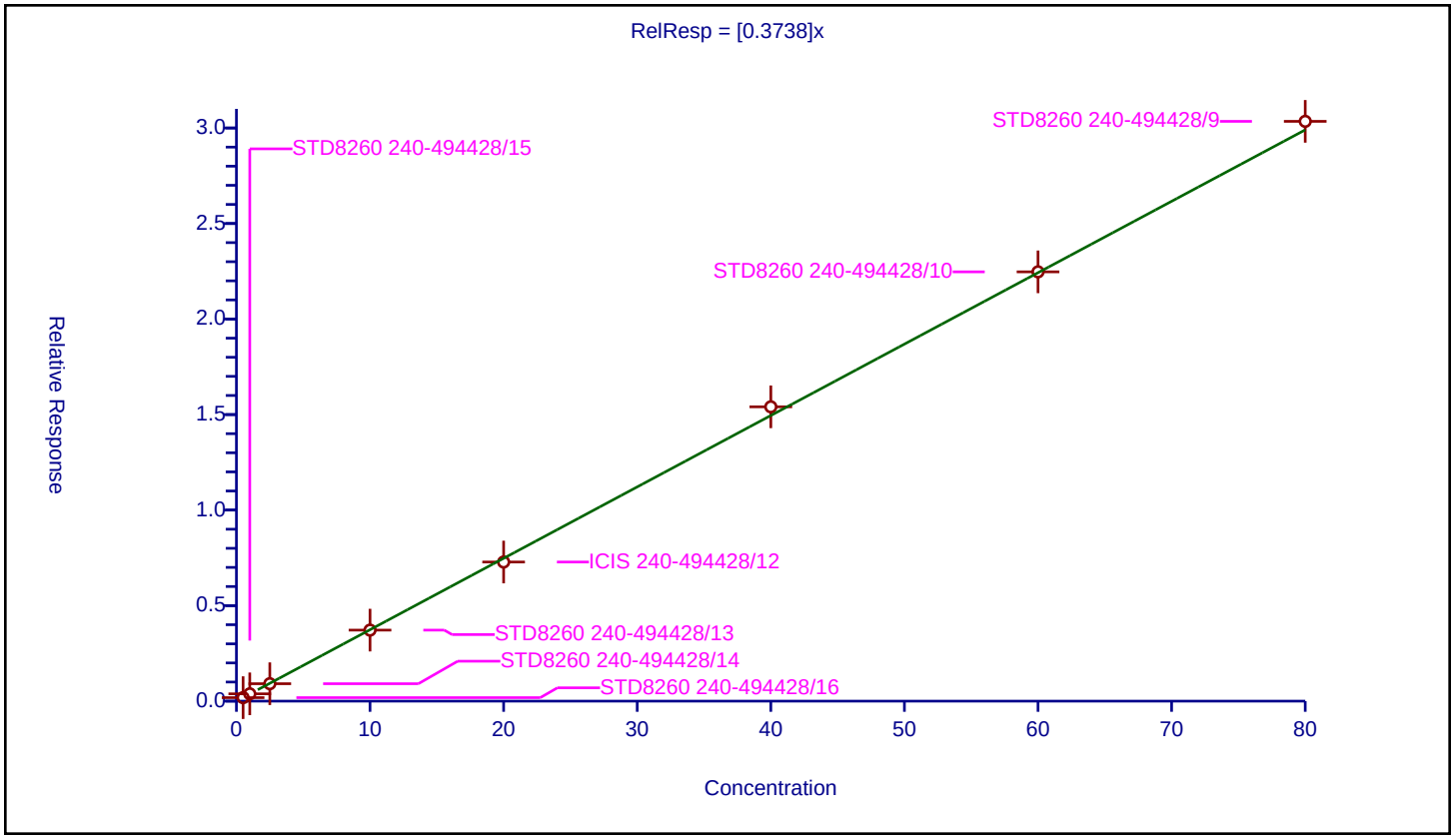
Curve Coefficients

Intercept:	0
Slope:	0.3738

Error Coefficients

Standard Error:	742000
Relative Standard Error:	2.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.183967	20.0	816451.0	0.367934	Y
2	STD8260 240-494428/15	1.0	0.382088	20.0	836456.0	0.382088	Y
3	STD8260 240-494428/14	2.5	0.913003	20.0	858026.0	0.365201	Y
4	STD8260 240-494428/13	10.0	3.717377	20.0	887061.0	0.371738	Y
5	ICIS 240-494428/12	20.0	7.282243	20.0	908893.0	0.364112	Y
6	STD8260 240-494428/11	40.0	15.406072	20.0	937002.0	0.385152	Y
7	STD8260 240-494428/10	60.0	22.470922	20.0	952883.0	0.374515	Y
8	STD8260 240-494428/9	80.0	30.347892	20.0	942449.0	0.379349	Y



Calibration / 2-Chloroethyl vinyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

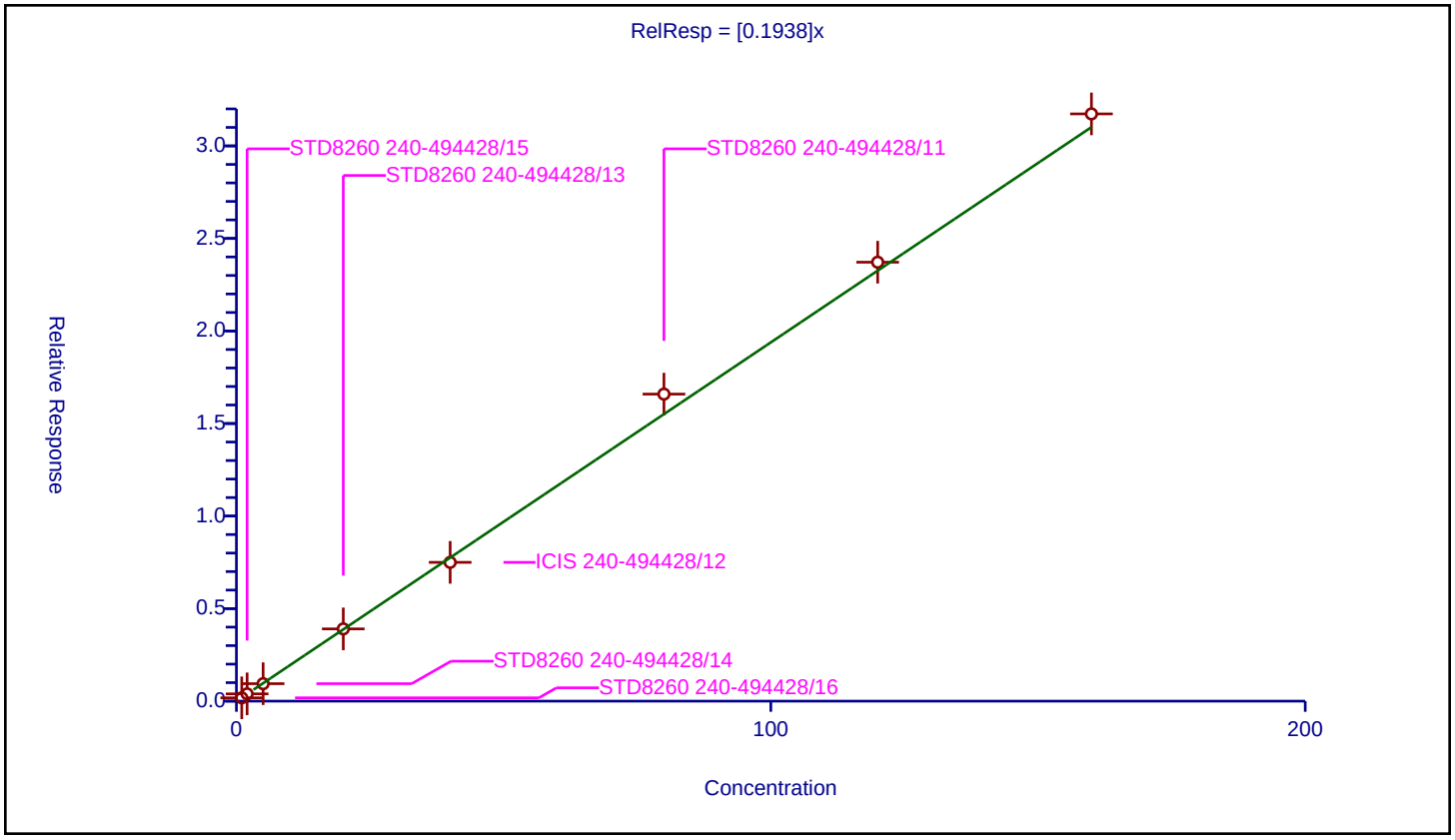
Curve Coefficients

Intercept:	0
Slope:	0.1938

Error Coefficients

Standard Error:	780000
Relative Standard Error:	4.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	1.0	0.179288	20.0	816451.0	0.179288	Y
2	STD8260 240-494428/15	2.0	0.393613	20.0	836456.0	0.196807	Y
3	STD8260 240-494428/14	5.0	0.942699	20.0	858026.0	0.18854	Y
4	STD8260 240-494428/13	20.0	3.90388	20.0	887061.0	0.195194	Y
5	ICIS 240-494428/12	40.0	7.498903	20.0	908893.0	0.187473	Y
6	STD8260 240-494428/11	80.0	16.589314	20.0	937002.0	0.207366	Y
7	STD8260 240-494428/10	120.0	23.716595	20.0	952883.0	0.197638	Y
8	STD8260 240-494428/9	160.0	31.729102	20.0	942449.0	0.198307	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

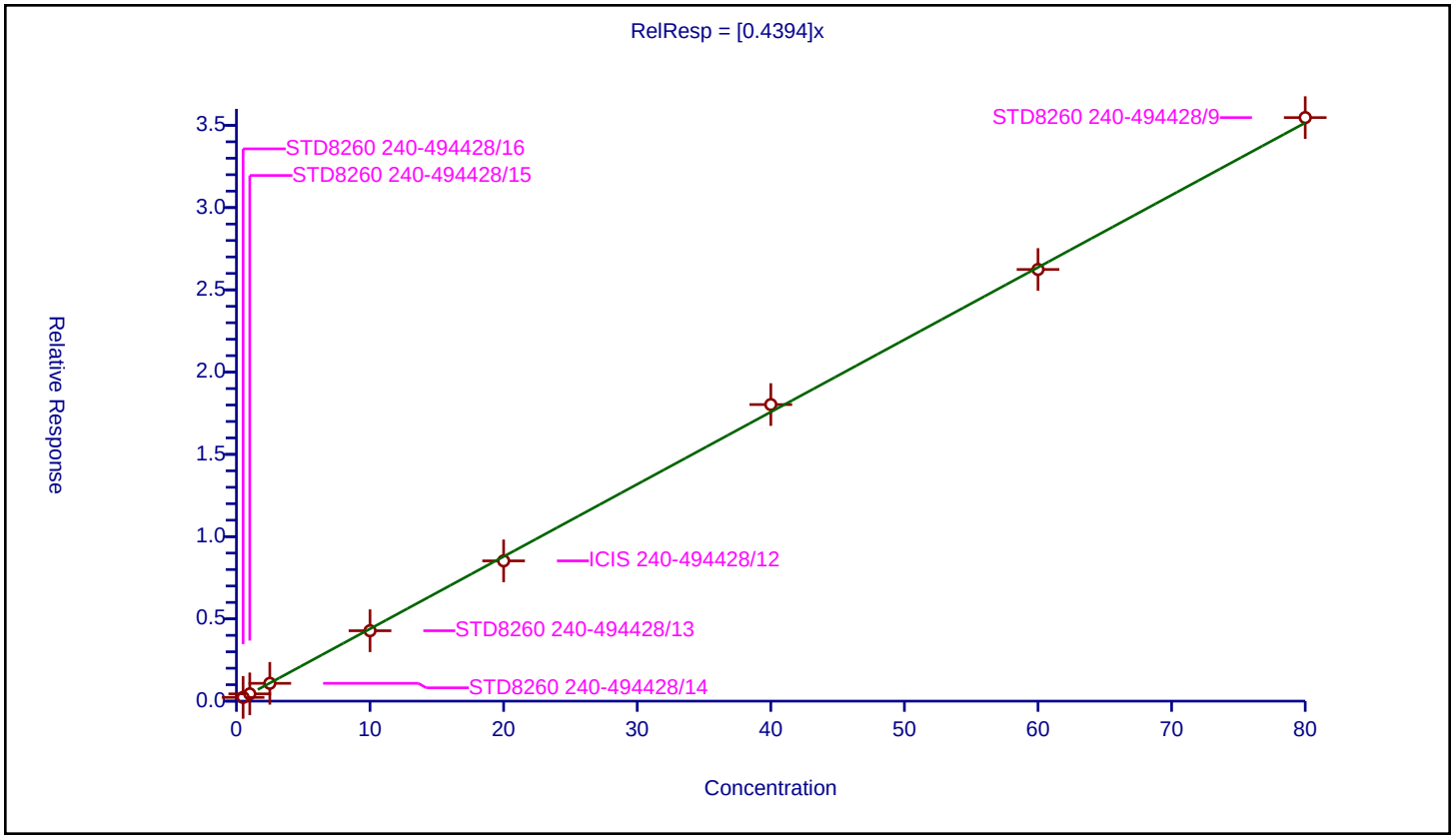
Curve Coefficients

Intercept:	0
Slope:	0.4394

Error Coefficients

Standard Error:	867000
Relative Standard Error:	2.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.227031	20.0	816451.0	0.454063	Y
2	STD8260 240-494428/15	1.0	0.442677	20.0	836456.0	0.442677	Y
3	STD8260 240-494428/14	2.5	1.082648	20.0	858026.0	0.433059	Y
4	STD8260 240-494428/13	10.0	4.279277	20.0	887061.0	0.427928	Y
5	ICIS 240-494428/12	20.0	8.526306	20.0	908893.0	0.426315	Y
6	STD8260 240-494428/11	40.0	18.027518	20.0	937002.0	0.450688	Y
7	STD8260 240-494428/10	60.0	26.239234	20.0	952883.0	0.437321	Y
8	STD8260 240-494428/9	80.0	35.471182	20.0	942449.0	0.44339	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

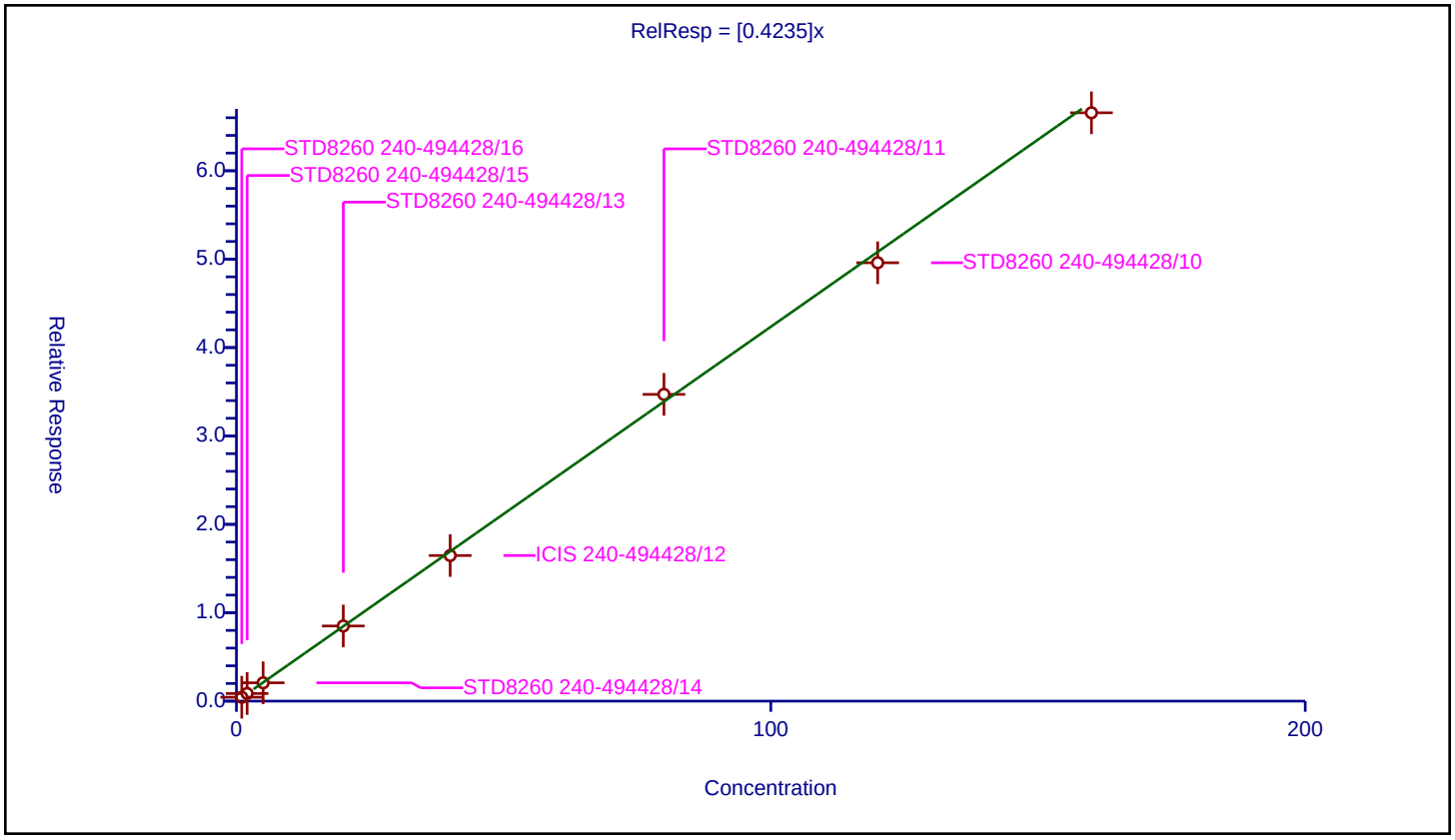
Curve Coefficients

Intercept:	0
Slope:	0.4235

Error Coefficients

Standard Error:	1640000
Relative Standard Error:	2.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	1.0	0.441594	20.0	816451.0	0.441594	Y
2	STD8260 240-494428/15	2.0	0.863452	20.0	836456.0	0.431726	Y
3	STD8260 240-494428/14	5.0	2.073807	20.0	858026.0	0.414761	Y
4	STD8260 240-494428/13	20.0	8.500791	20.0	887061.0	0.42504	Y
5	ICIS 240-494428/12	40.0	16.475075	20.0	908893.0	0.411877	Y
6	STD8260 240-494428/11	80.0	34.704366	20.0	937002.0	0.433805	Y
7	STD8260 240-494428/10	120.0	49.594043	20.0	952883.0	0.413284	Y
8	STD8260 240-494428/9	160.0	66.559782	20.0	942449.0	0.415999	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

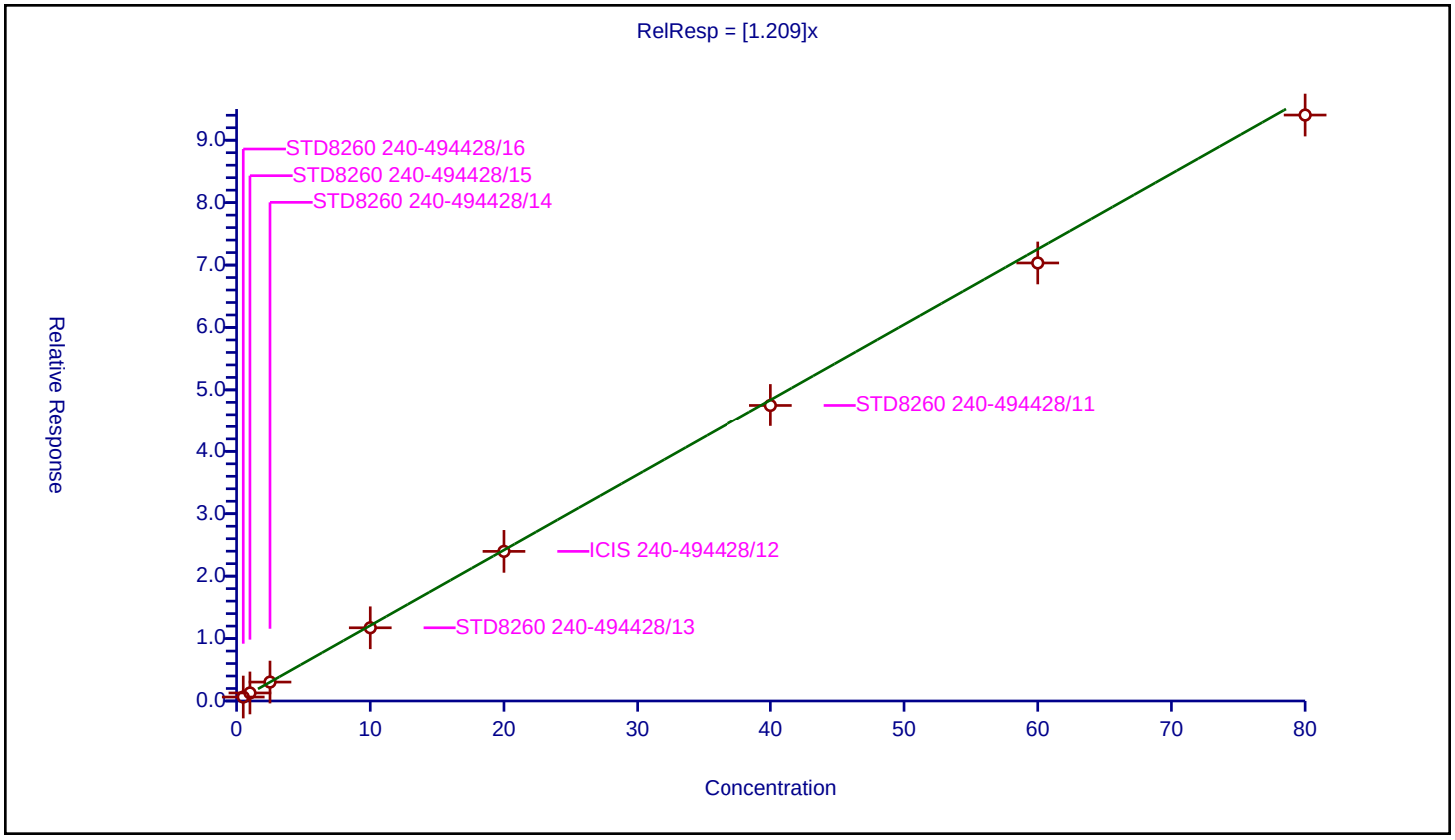
Curve Coefficients

Intercept:	0
Slope:	1.209

Error Coefficients

Standard Error:	1850000
Relative Standard Error:	3.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.634142	20.0	629449.0	1.268284	Y
2	STD8260 240-494428/15	1.0	1.286087	20.0	658867.0	1.286087	Y
3	STD8260 240-494428/14	2.5	3.029179	20.0	666504.0	1.211672	Y
4	STD8260 240-494428/13	10.0	11.730024	20.0	697083.0	1.173002	Y
5	ICIS 240-494428/12	20.0	23.968249	20.0	700460.0	1.198412	Y
6	STD8260 240-494428/11	40.0	47.504722	20.0	758192.0	1.187618	Y
7	STD8260 240-494428/10	60.0	70.338144	20.0	769672.0	1.172302	Y
8	STD8260 240-494428/9	80.0	94.032333	20.0	753782.0	1.175404	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

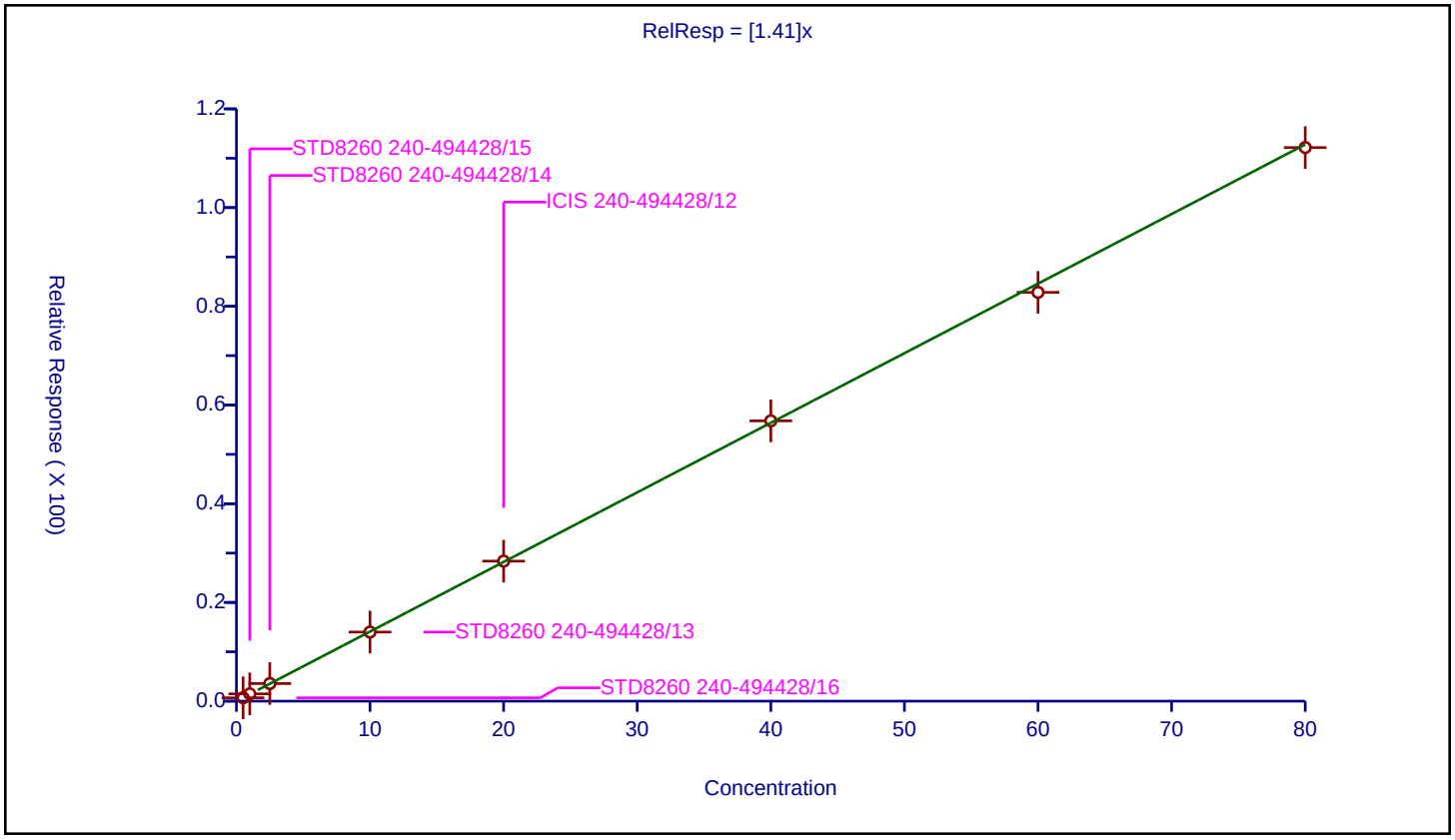
Curve Coefficients

Intercept:	0
Slope:	1.41

Error Coefficients

Standard Error:	2200000
Relative Standard Error:	2.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.677863	20.0	629449.0	1.355725	Y
2	STD8260 240-494428/15	1.0	1.47617	20.0	658867.0	1.47617	Y
3	STD8260 240-494428/14	2.5	3.56688	20.0	666504.0	1.426752	Y
4	STD8260 240-494428/13	10.0	13.99928	20.0	697083.0	1.399928	Y
5	ICIS 240-494428/12	20.0	28.367958	20.0	700460.0	1.418398	Y
6	STD8260 240-494428/11	40.0	56.790338	20.0	758192.0	1.419758	Y
7	STD8260 240-494428/10	60.0	82.822293	20.0	769672.0	1.380372	Y
8	STD8260 240-494428/9	80.0	112.162615	20.0	753782.0	1.402033	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

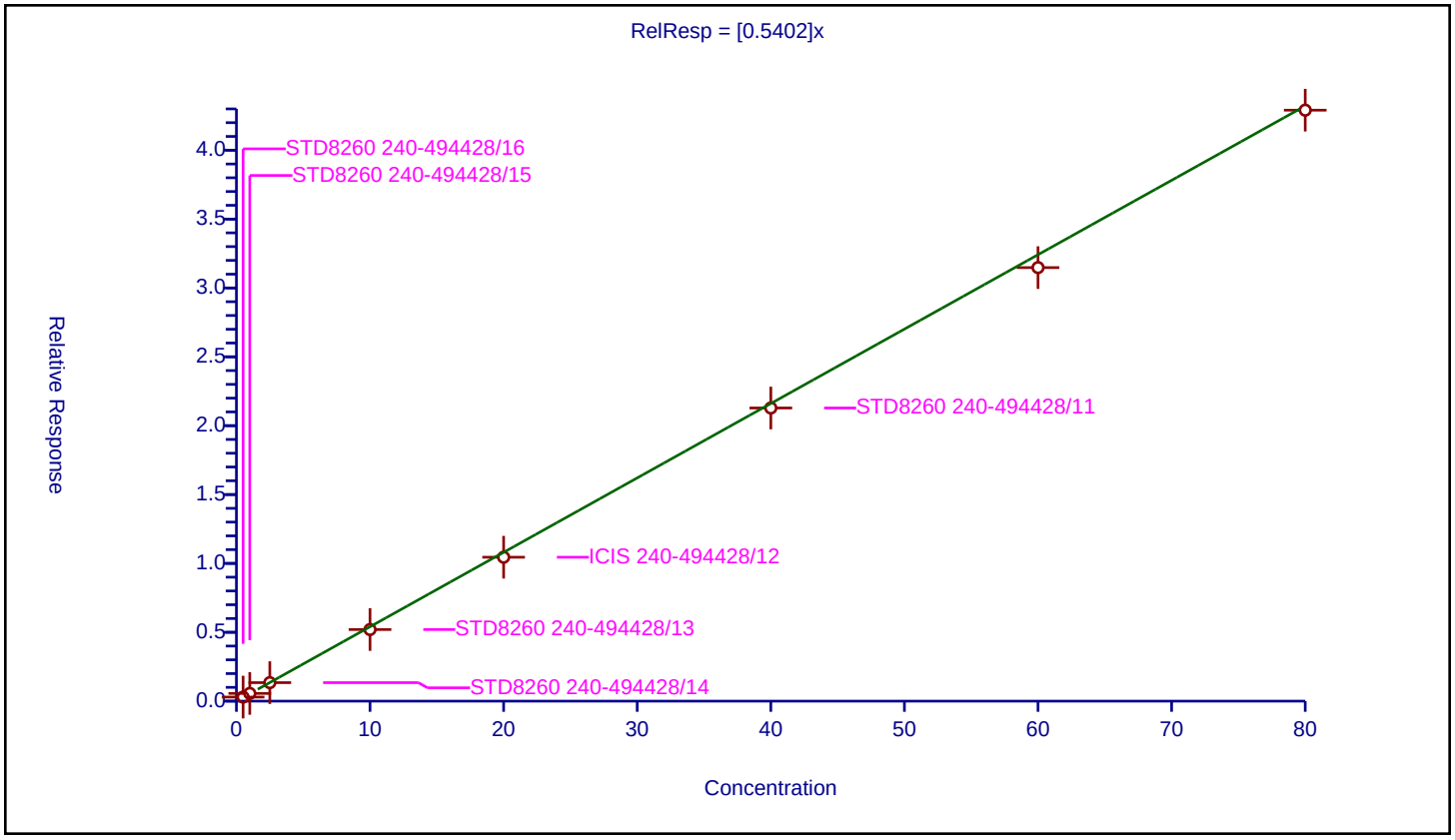
Curve Coefficients

Intercept:	0
Slope:	0.5402

Error Coefficients

Standard Error:	837000
Relative Standard Error:	4.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.294416	20.0	629449.0	0.588832	Y
2	STD8260 240-494428/15	1.0	0.560386	20.0	658867.0	0.560386	Y
3	STD8260 240-494428/14	2.5	1.342858	20.0	666504.0	0.537143	Y
4	STD8260 240-494428/13	10.0	5.19852	20.0	697083.0	0.519852	Y
5	ICIS 240-494428/12	20.0	10.449076	20.0	700460.0	0.522454	Y
6	STD8260 240-494428/11	40.0	21.283052	20.0	758192.0	0.532076	Y
7	STD8260 240-494428/10	60.0	31.477538	20.0	769672.0	0.524626	Y
8	STD8260 240-494428/9	80.0	42.908029	20.0	753782.0	0.53635	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

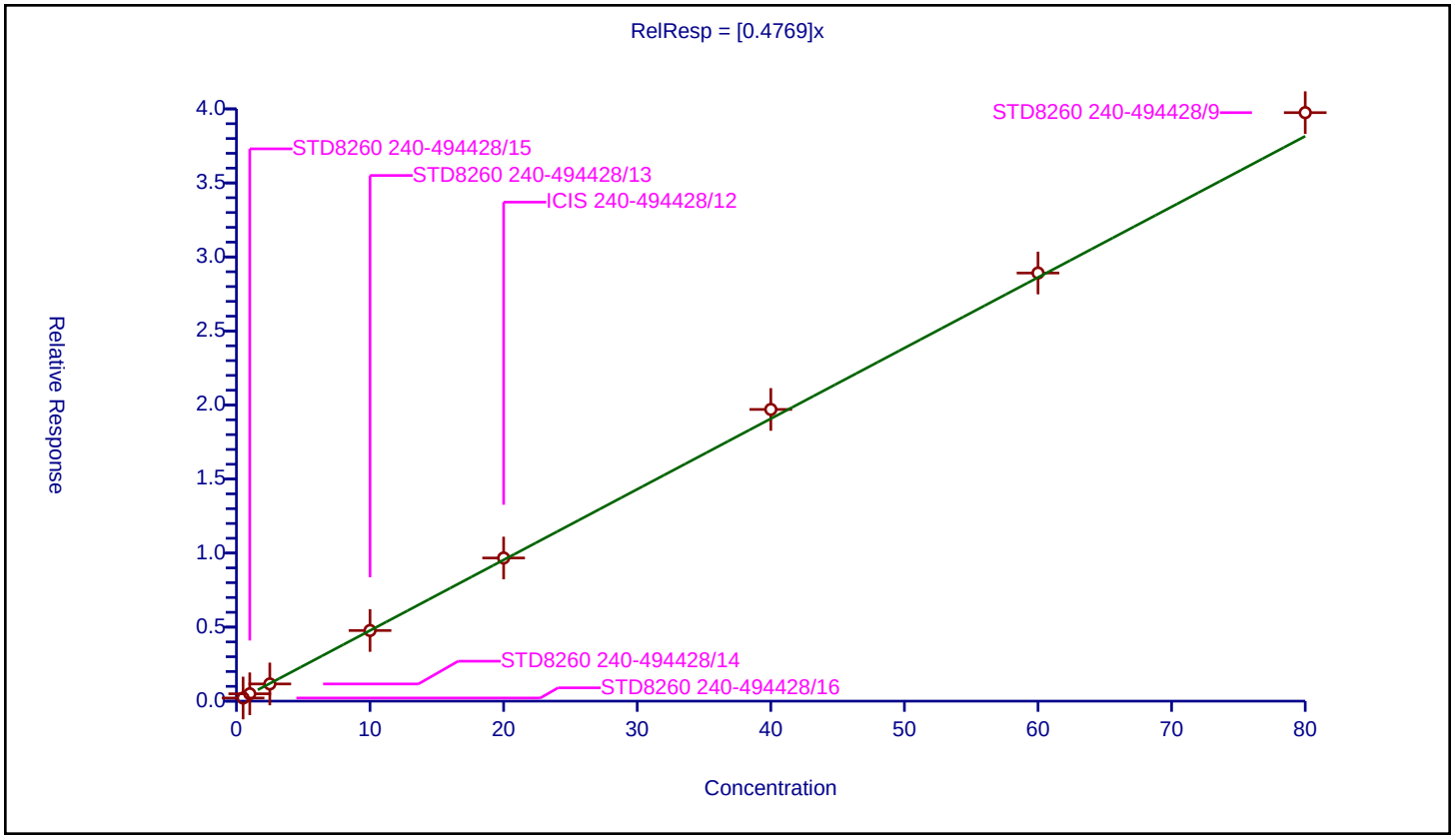
Curve Coefficients

Intercept:	0
Slope:	0.4769

Error Coefficients

Standard Error:	773000
Relative Standard Error:	5.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.211455	20.0	629449.0	0.42291	Y
2	STD8260 240-494428/15	1.0	0.496489	20.0	658867.0	0.496489	Y
3	STD8260 240-494428/14	2.5	1.160893	20.0	666504.0	0.464357	Y
4	STD8260 240-494428/13	10.0	4.771483	20.0	697083.0	0.477148	Y
5	ICIS 240-494428/12	20.0	9.667904	20.0	700460.0	0.483395	Y
6	STD8260 240-494428/11	40.0	19.701263	20.0	758192.0	0.492532	Y
7	STD8260 240-494428/10	60.0	28.91546	20.0	769672.0	0.481924	Y
8	STD8260 240-494428/9	80.0	39.746001	20.0	753782.0	0.496825	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

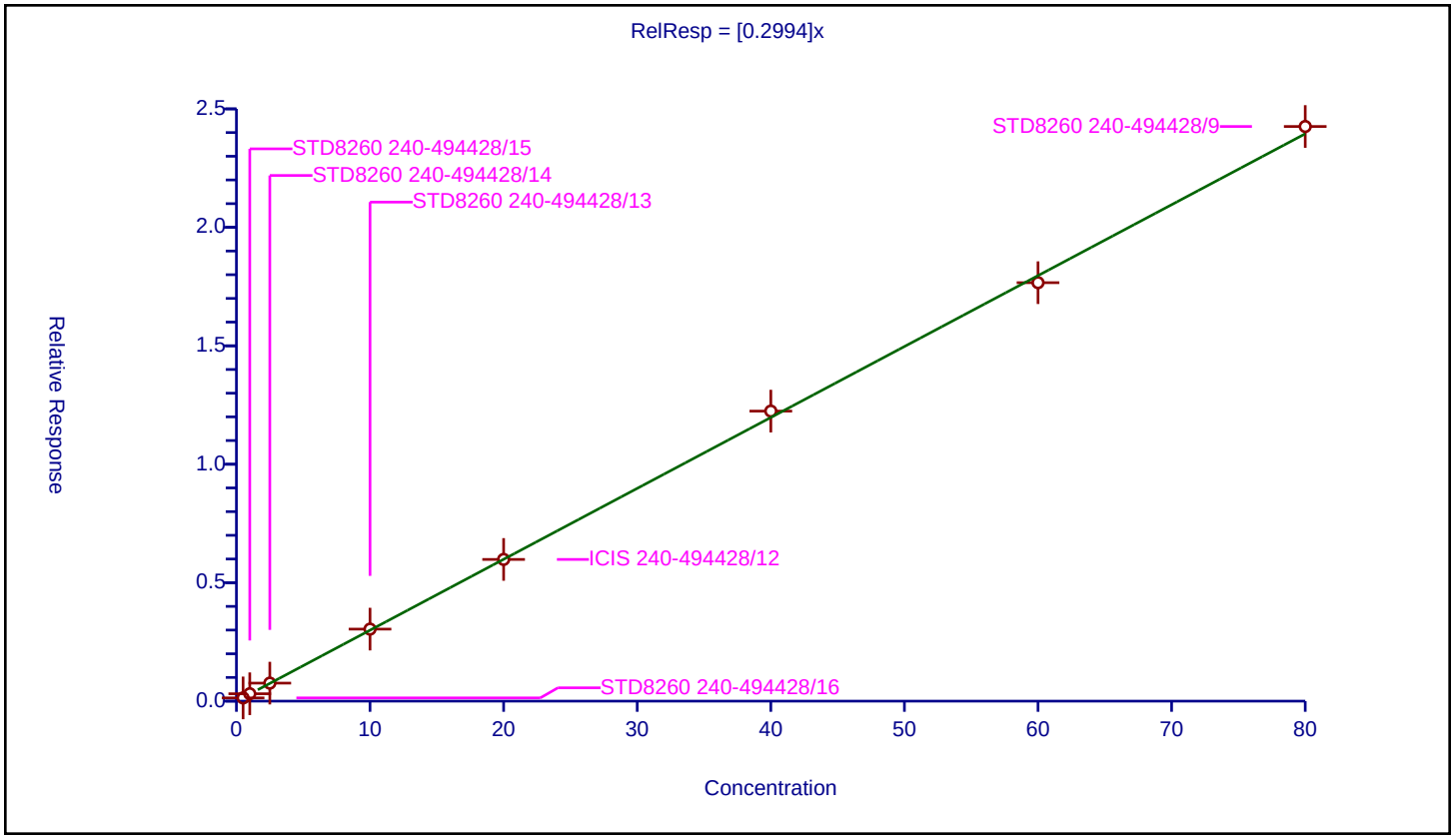
Curve Coefficients

Intercept:	0
Slope:	0.2994

Error Coefficients

Standard Error:	473000
Relative Standard Error:	4.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.136214	20.0	629449.0	0.272429	Y
2	STD8260 240-494428/15	1.0	0.311504	20.0	658867.0	0.311504	Y
3	STD8260 240-494428/14	2.5	0.760356	20.0	666504.0	0.304142	Y
4	STD8260 240-494428/13	10.0	3.041101	20.0	697083.0	0.30411	Y
5	ICIS 240-494428/12	20.0	5.981384	20.0	700460.0	0.299069	Y
6	STD8260 240-494428/11	40.0	12.242994	20.0	758192.0	0.306075	Y
7	STD8260 240-494428/10	60.0	17.663732	20.0	769672.0	0.294396	Y
8	STD8260 240-494428/9	80.0	24.25643	20.0	753782.0	0.303205	Y



Calibration / Tetrachloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

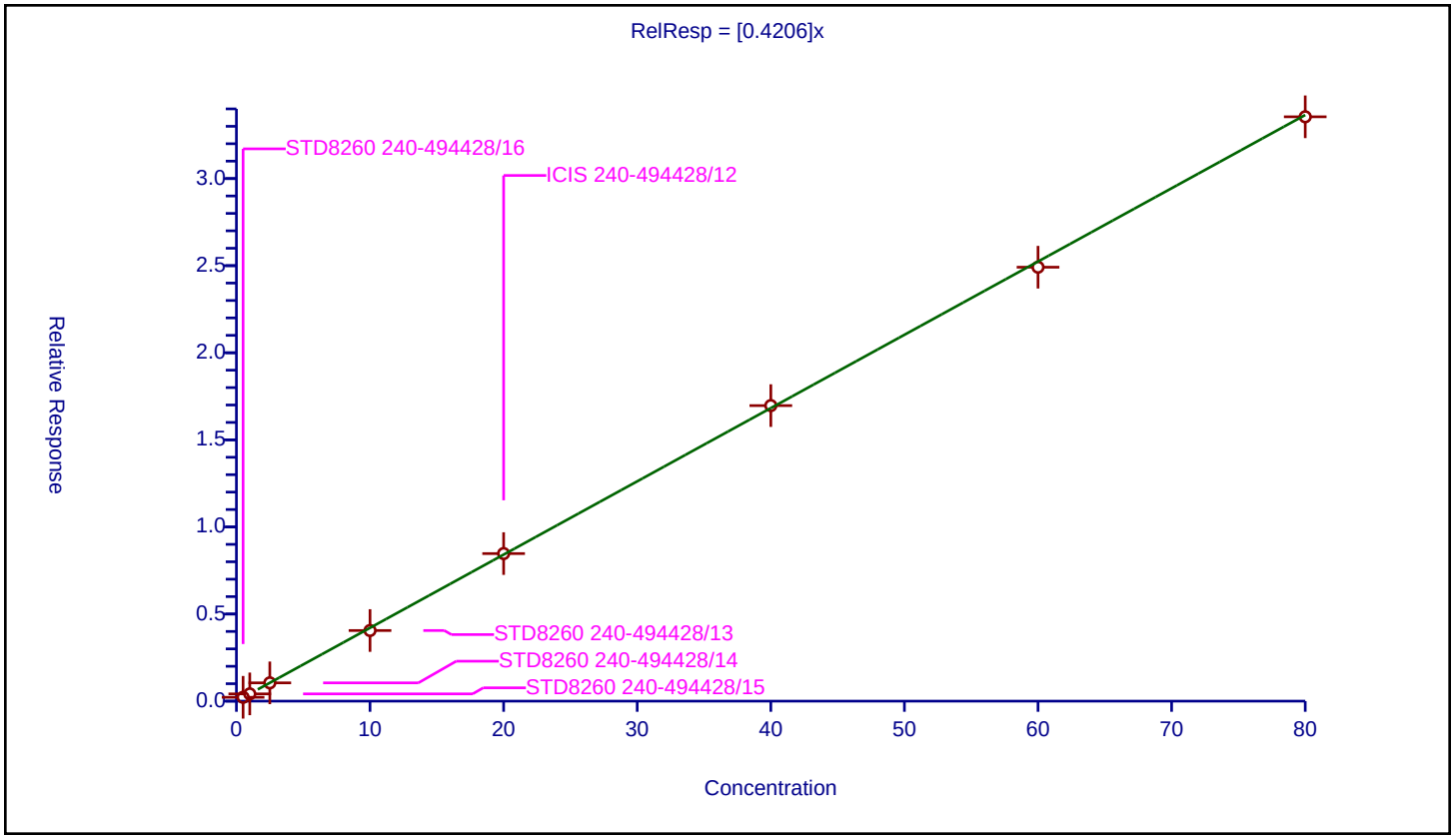
Curve Coefficients

Intercept:	0
Slope:	0.4206

Error Coefficients

Standard Error:	659000
Relative Standard Error:	2.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.220224	20.0	629449.0	0.440449	Y
2	STD8260 240-494428/15	1.0	0.416685	20.0	658867.0	0.416685	Y
3	STD8260 240-494428/14	2.5	1.050226	20.0	666504.0	0.420091	Y
4	STD8260 240-494428/13	10.0	4.054696	20.0	697083.0	0.40547	Y
5	ICIS 240-494428/12	20.0	8.471633	20.0	700460.0	0.423582	Y
6	STD8260 240-494428/11	40.0	16.966652	20.0	758192.0	0.424166	Y
7	STD8260 240-494428/10	60.0	24.912196	20.0	769672.0	0.415203	Y
8	STD8260 240-494428/9	80.0	33.546171	20.0	753782.0	0.419327	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

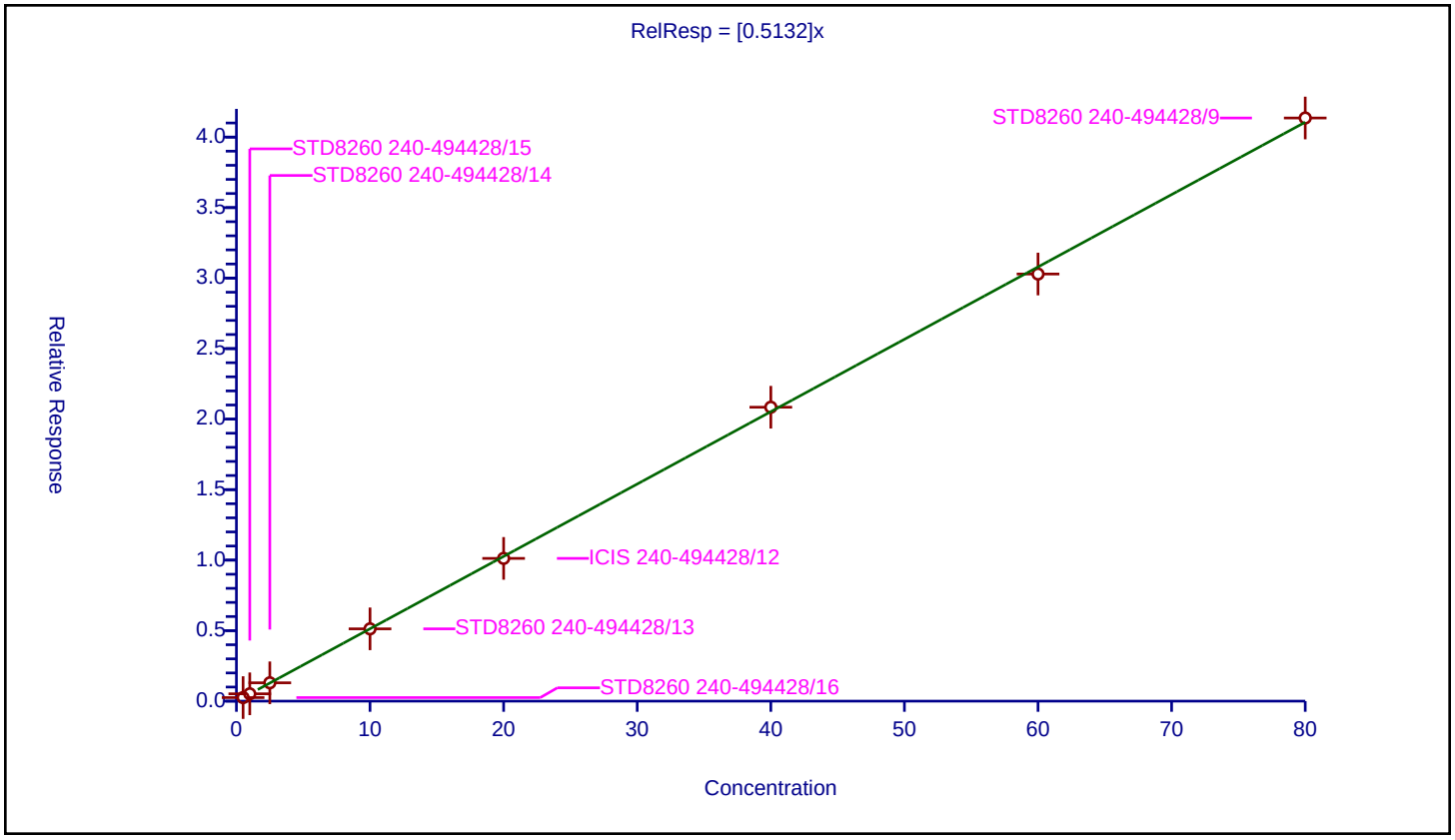
Curve Coefficients

Intercept:	0
Slope:	0.5132

Error Coefficients

Standard Error:	808000
Relative Standard Error:	1.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.251935	20.0	629449.0	0.503869	Y
2	STD8260 240-494428/15	1.0	0.519953	20.0	658867.0	0.519953	Y
3	STD8260 240-494428/14	2.5	1.300427	20.0	666504.0	0.520171	Y
4	STD8260 240-494428/13	10.0	5.126649	20.0	697083.0	0.512665	Y
5	ICIS 240-494428/12	20.0	10.122405	20.0	700460.0	0.50612	Y
6	STD8260 240-494428/11	40.0	20.843507	20.0	758192.0	0.521088	Y
7	STD8260 240-494428/10	60.0	30.288954	20.0	769672.0	0.504816	Y
8	STD8260 240-494428/9	80.0	41.354689	20.0	753782.0	0.516934	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

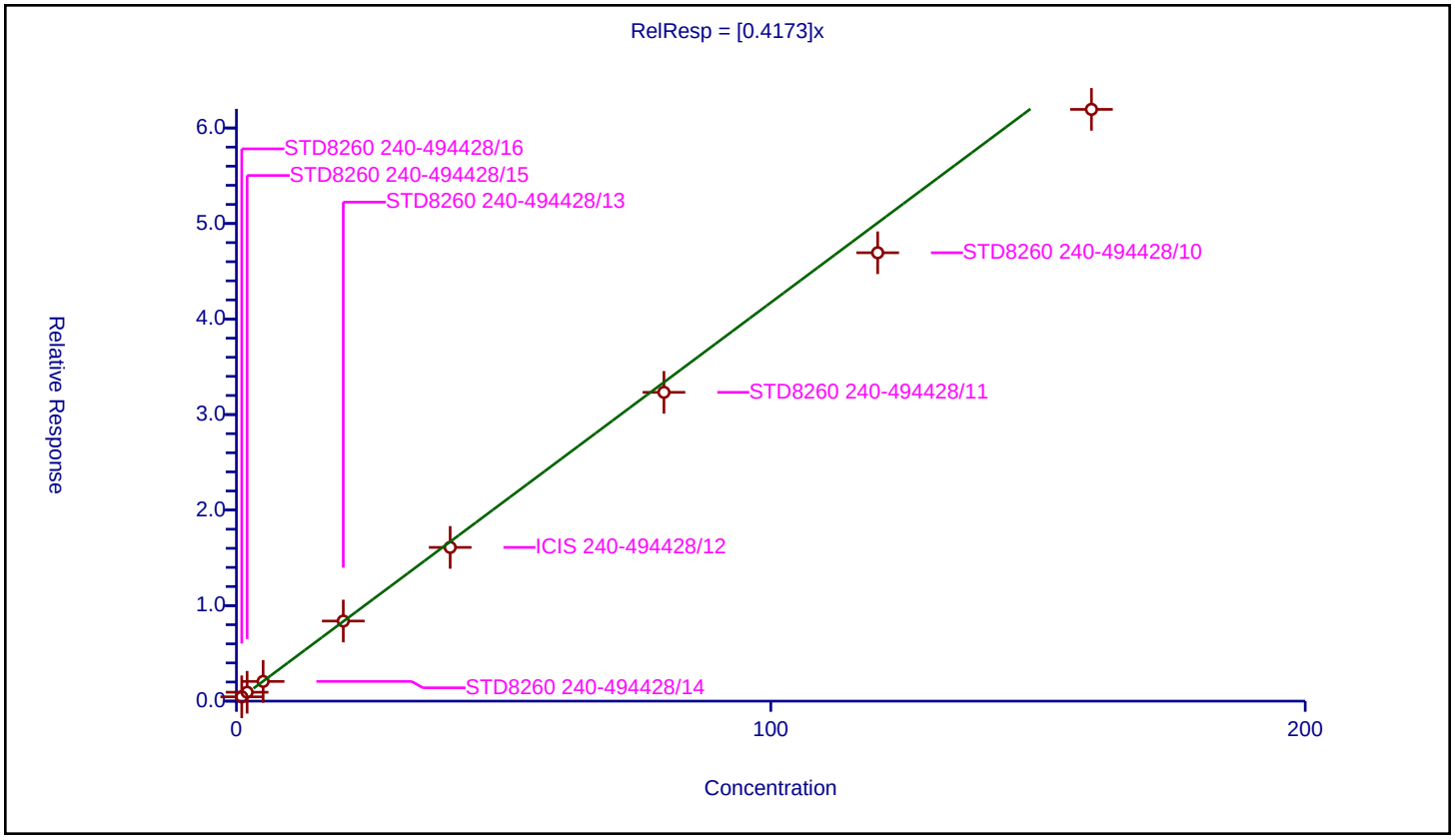
Curve Coefficients

Intercept:	0
Slope:	0.4173

Error Coefficients

Standard Error:	1230000
Relative Standard Error:	6.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	1.0	0.454429	20.0	629449.0	0.454429	Y
2	STD8260 240-494428/15	2.0	0.933299	20.0	658867.0	0.46665	Y
3	STD8260 240-494428/14	5.0	2.063934	20.0	666504.0	0.412787	Y
4	STD8260 240-494428/13	20.0	8.385831	20.0	697083.0	0.419292	Y
5	ICIS 240-494428/12	40.0	16.096194	20.0	700460.0	0.402405	Y
6	STD8260 240-494428/11	80.0	32.327458	20.0	758192.0	0.404093	Y
7	STD8260 240-494428/10	120.0	46.941762	20.0	769672.0	0.391181	Y
8	STD8260 240-494428/9	160.0	61.950192	20.0	753782.0	0.387189	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

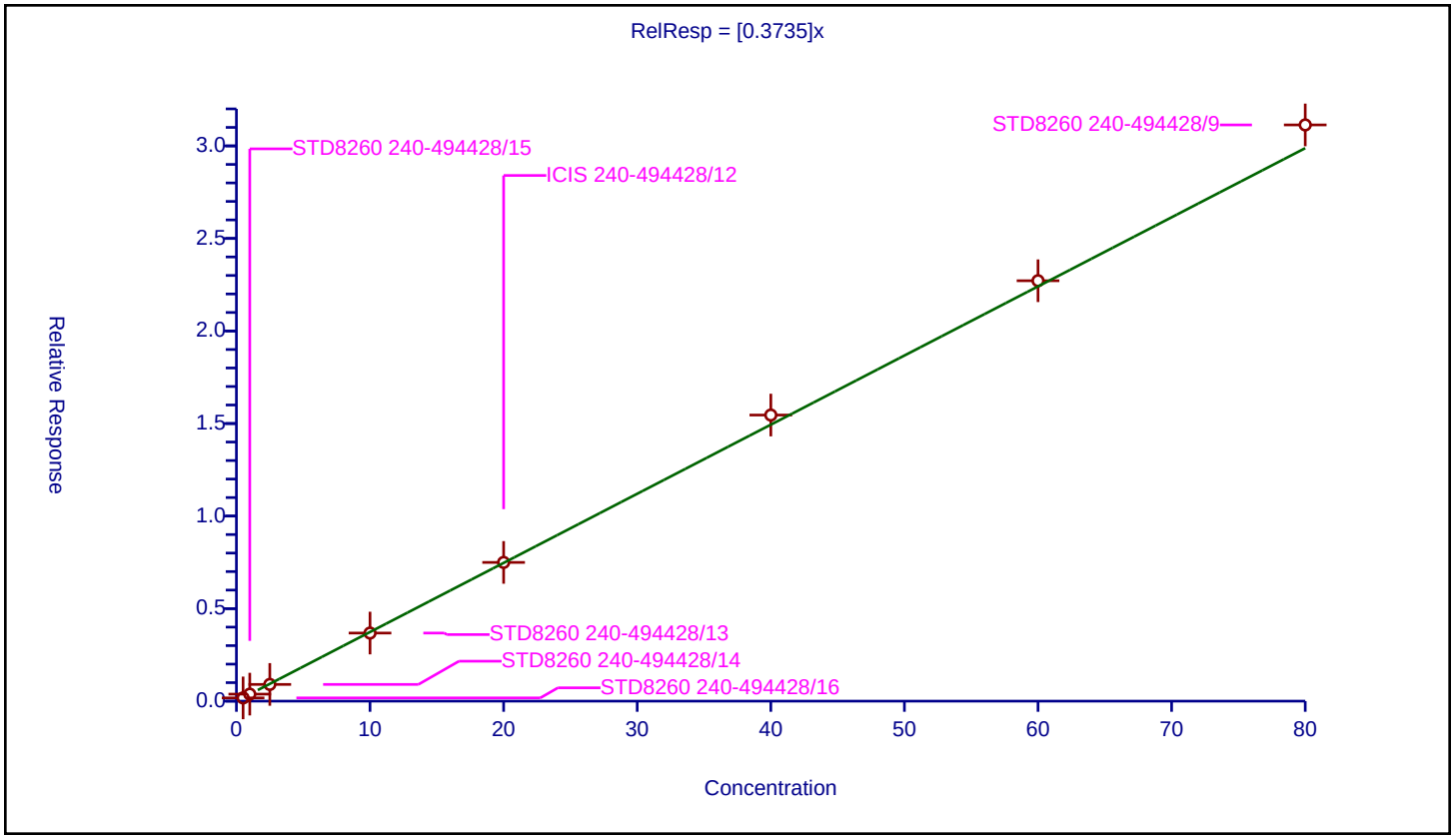
Curve Coefficients

Intercept:	0
Slope:	0.3735

Error Coefficients

Standard Error:	606000
Relative Standard Error:	3.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.175423	20.0	629449.0	0.350847	Y
2	STD8260 240-494428/15	1.0	0.378711	20.0	658867.0	0.378711	Y
3	STD8260 240-494428/14	2.5	0.9034	20.0	666504.0	0.36136	Y
4	STD8260 240-494428/13	10.0	3.678328	20.0	697083.0	0.367833	Y
5	ICIS 240-494428/12	20.0	7.495217	20.0	700460.0	0.374761	Y
6	STD8260 240-494428/11	40.0	15.457773	20.0	758192.0	0.386444	Y
7	STD8260 240-494428/10	60.0	22.715261	20.0	769672.0	0.378588	Y
8	STD8260 240-494428/9	80.0	31.133166	20.0	753782.0	0.389165	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

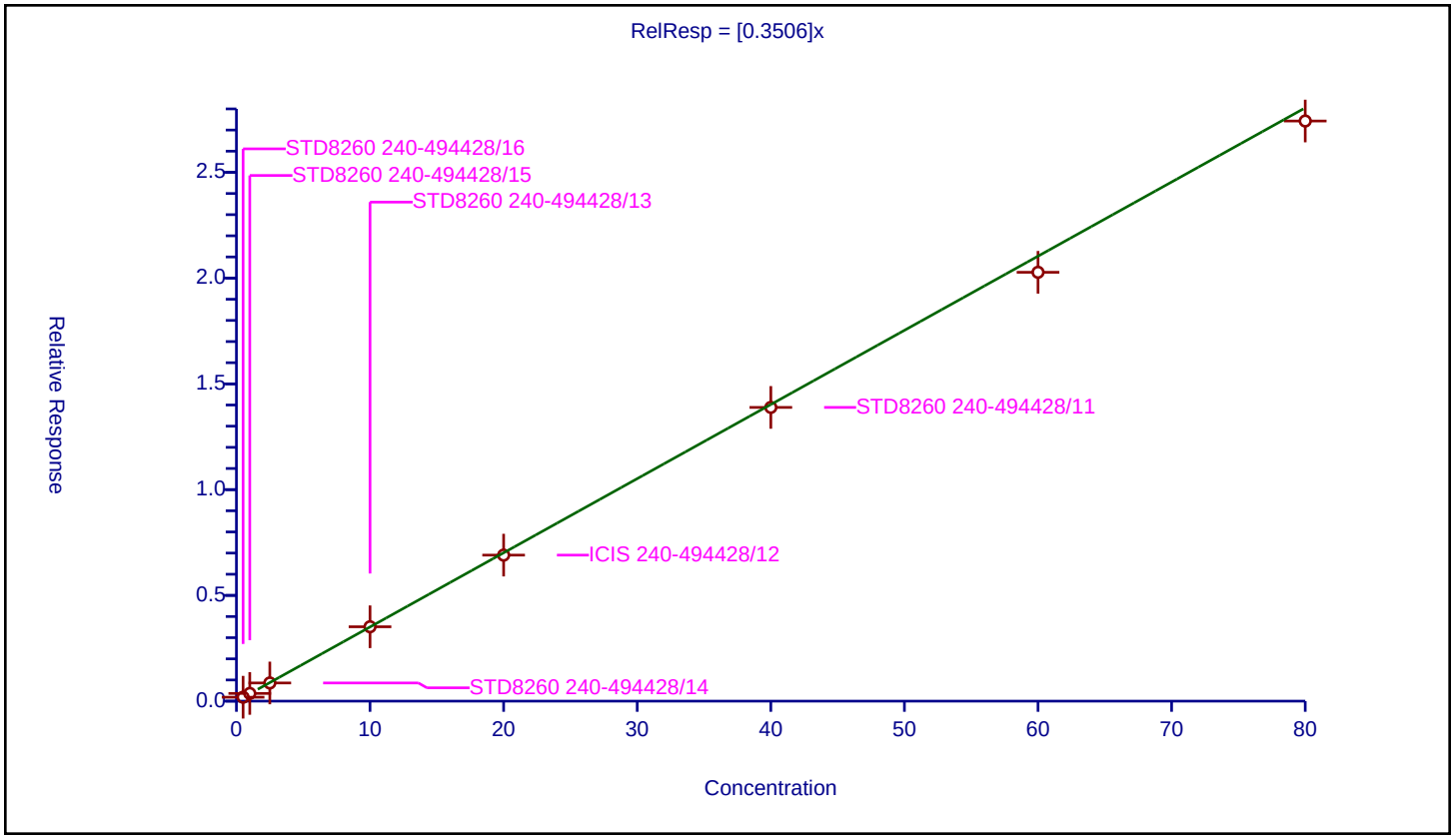
Curve Coefficients

Intercept:	0
Slope:	0.3506

Error Coefficients

Standard Error:	538000
Relative Standard Error:	3.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.186004	20.0	629449.0	0.372008	Y
2	STD8260 240-494428/15	1.0	0.364322	20.0	658867.0	0.364322	Y
3	STD8260 240-494428/14	2.5	0.85968	20.0	666504.0	0.343872	Y
4	STD8260 240-494428/13	10.0	3.516626	20.0	697083.0	0.351663	Y
5	ICIS 240-494428/12	20.0	6.903321	20.0	700460.0	0.345166	Y
6	STD8260 240-494428/11	40.0	13.886456	20.0	758192.0	0.347161	Y
7	STD8260 240-494428/10	60.0	20.274533	20.0	769672.0	0.337909	Y
8	STD8260 240-494428/9	80.0	27.427559	20.0	753782.0	0.342844	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

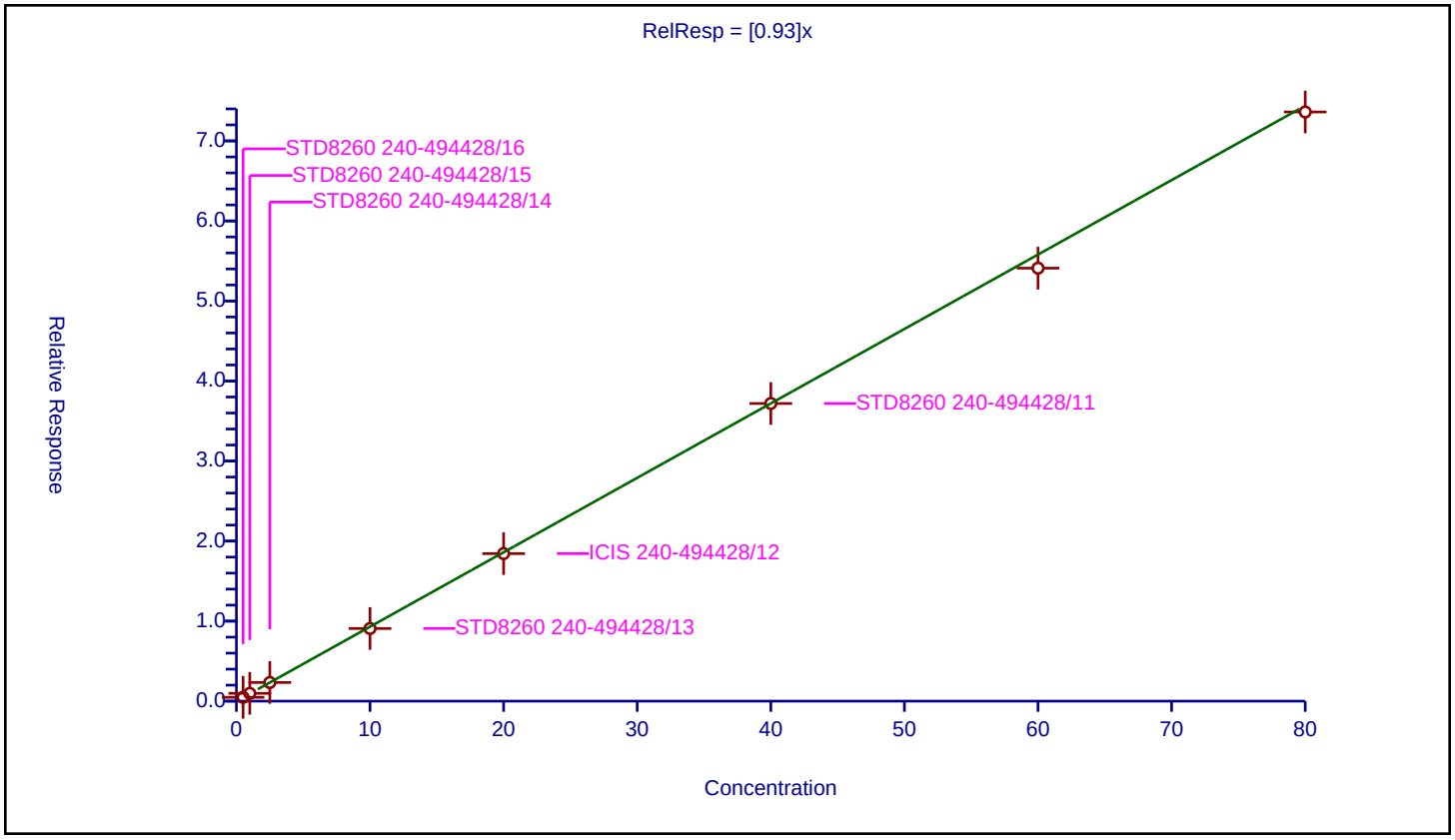
Curve Coefficients

Intercept:	0
Slope:	0.93

Error Coefficients

Standard Error:	1440000
Relative Standard Error:	2.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.477275	20.0	629449.0	0.954549	Y
2	STD8260 240-494428/15	1.0	0.972184	20.0	658867.0	0.972184	Y
3	STD8260 240-494428/14	2.5	2.330489	20.0	666504.0	0.932195	Y
4	STD8260 240-494428/13	10.0	9.076538	20.0	697083.0	0.907654	Y
5	ICIS 240-494428/12	20.0	18.435485	20.0	700460.0	0.921774	Y
6	STD8260 240-494428/11	40.0	37.190342	20.0	758192.0	0.929759	Y
7	STD8260 240-494428/10	60.0	54.099487	20.0	769672.0	0.901658	Y
8	STD8260 240-494428/9	80.0	73.614281	20.0	753782.0	0.920179	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

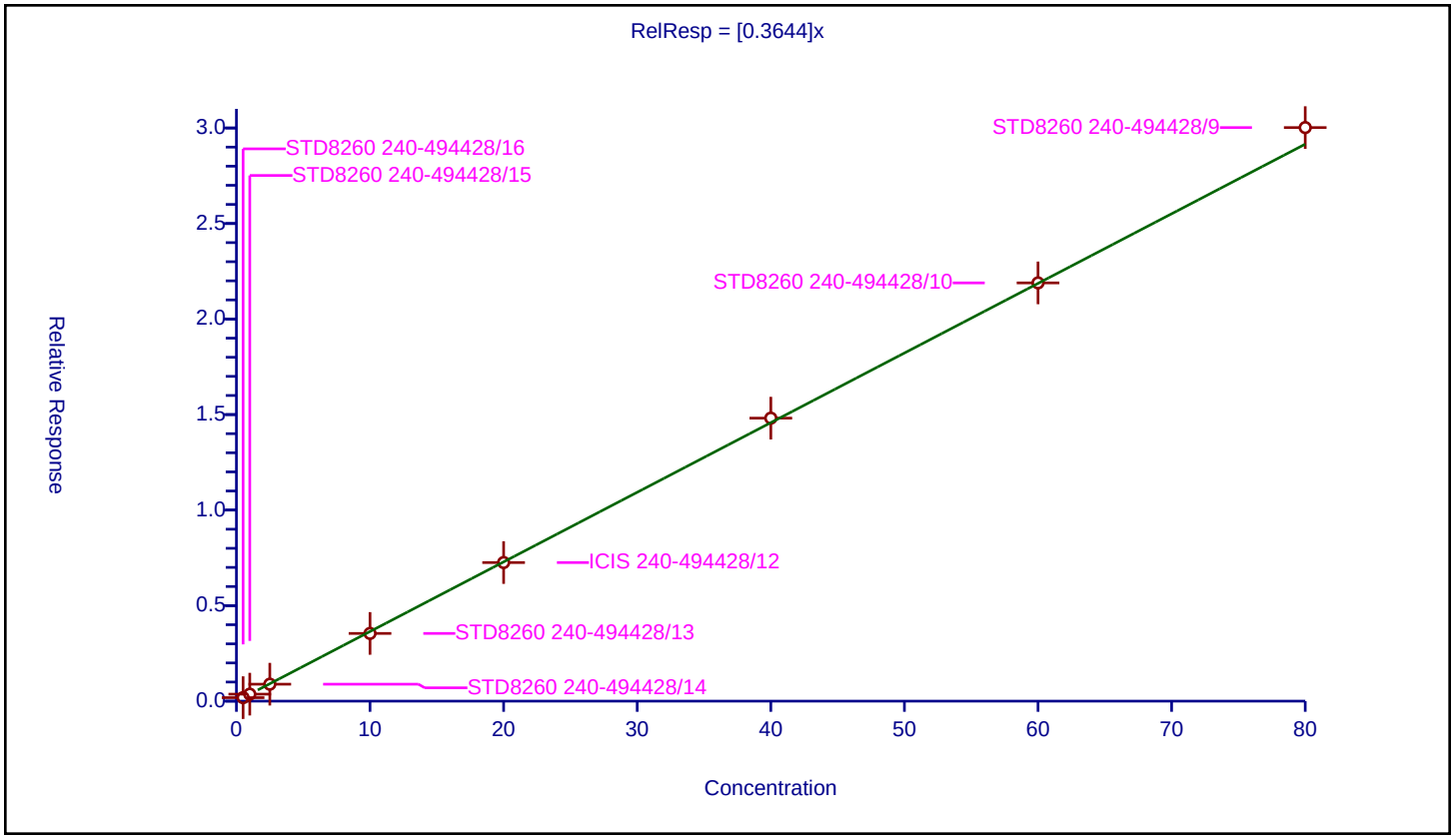
Curve Coefficients

Intercept:	0
Slope:	0.3644

Error Coefficients

Standard Error:	584000
Relative Standard Error:	2.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.183335	20.0	629449.0	0.36667	Y
2	STD8260 240-494428/15	1.0	0.366356	20.0	658867.0	0.366356	Y
3	STD8260 240-494428/14	2.5	0.886836	20.0	666504.0	0.354735	Y
4	STD8260 240-494428/13	10.0	3.544054	20.0	697083.0	0.354405	Y
5	ICIS 240-494428/12	20.0	7.254404	20.0	700460.0	0.36272	Y
6	STD8260 240-494428/11	40.0	14.813636	20.0	758192.0	0.370341	Y
7	STD8260 240-494428/10	60.0	21.892001	20.0	769672.0	0.364867	Y
8	STD8260 240-494428/9	80.0	30.021783	20.0	753782.0	0.375272	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

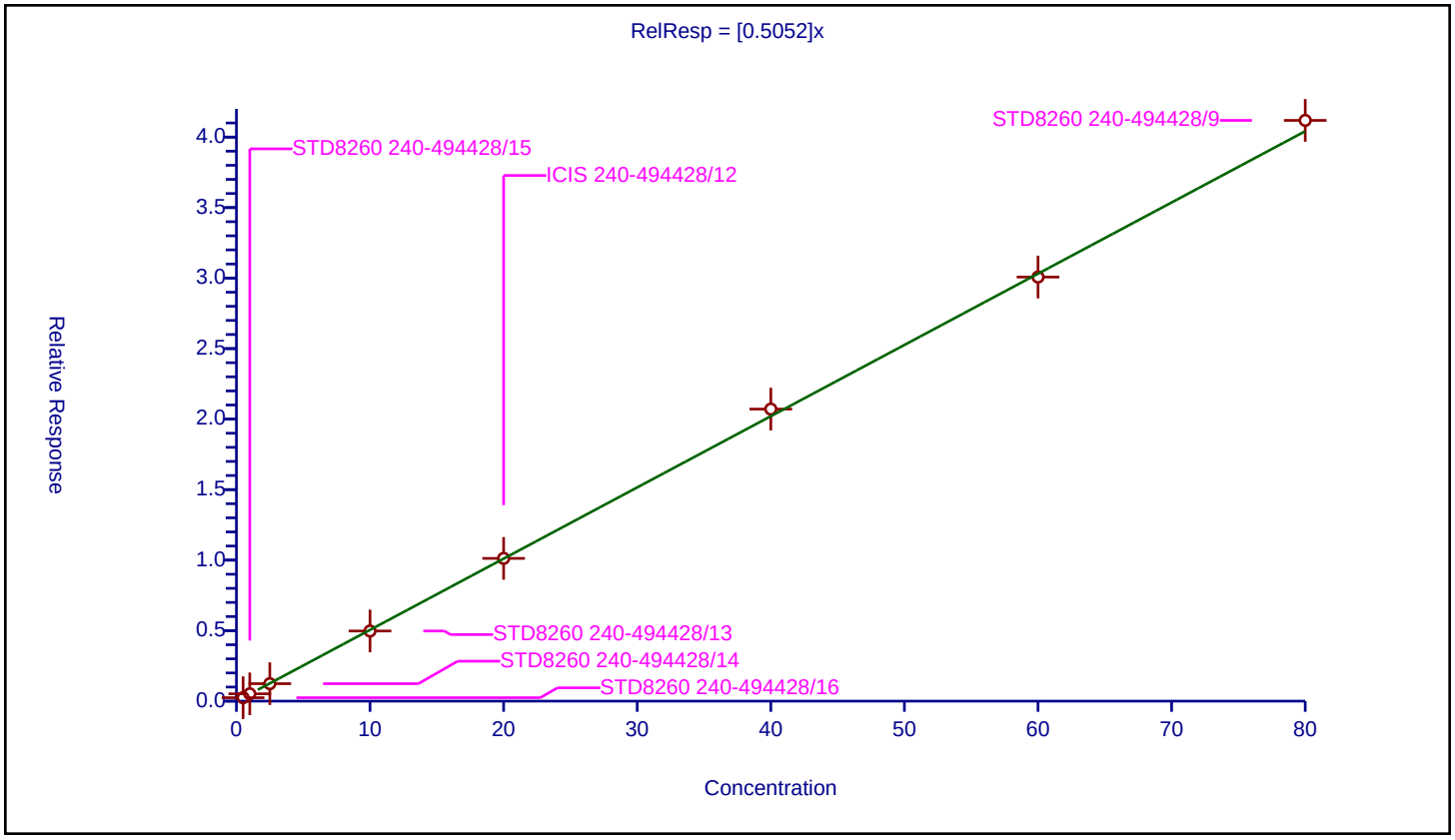
Curve Coefficients

Intercept:	0
Slope:	0.5052

Error Coefficients

Standard Error:	804000
Relative Standard Error:	2.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.244245	20.0	629449.0	0.488491	Y
2	STD8260 240-494428/15	1.0	0.520287	20.0	658867.0	0.520287	Y
3	STD8260 240-494428/14	2.5	1.238522	20.0	666504.0	0.495409	Y
4	STD8260 240-494428/13	10.0	4.973181	20.0	697083.0	0.497318	Y
5	ICIS 240-494428/12	20.0	10.123833	20.0	700460.0	0.506192	Y
6	STD8260 240-494428/11	40.0	20.711614	20.0	758192.0	0.51779	Y
7	STD8260 240-494428/10	60.0	30.075123	20.0	769672.0	0.501252	Y
8	STD8260 240-494428/9	80.0	41.183711	20.0	753782.0	0.514796	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

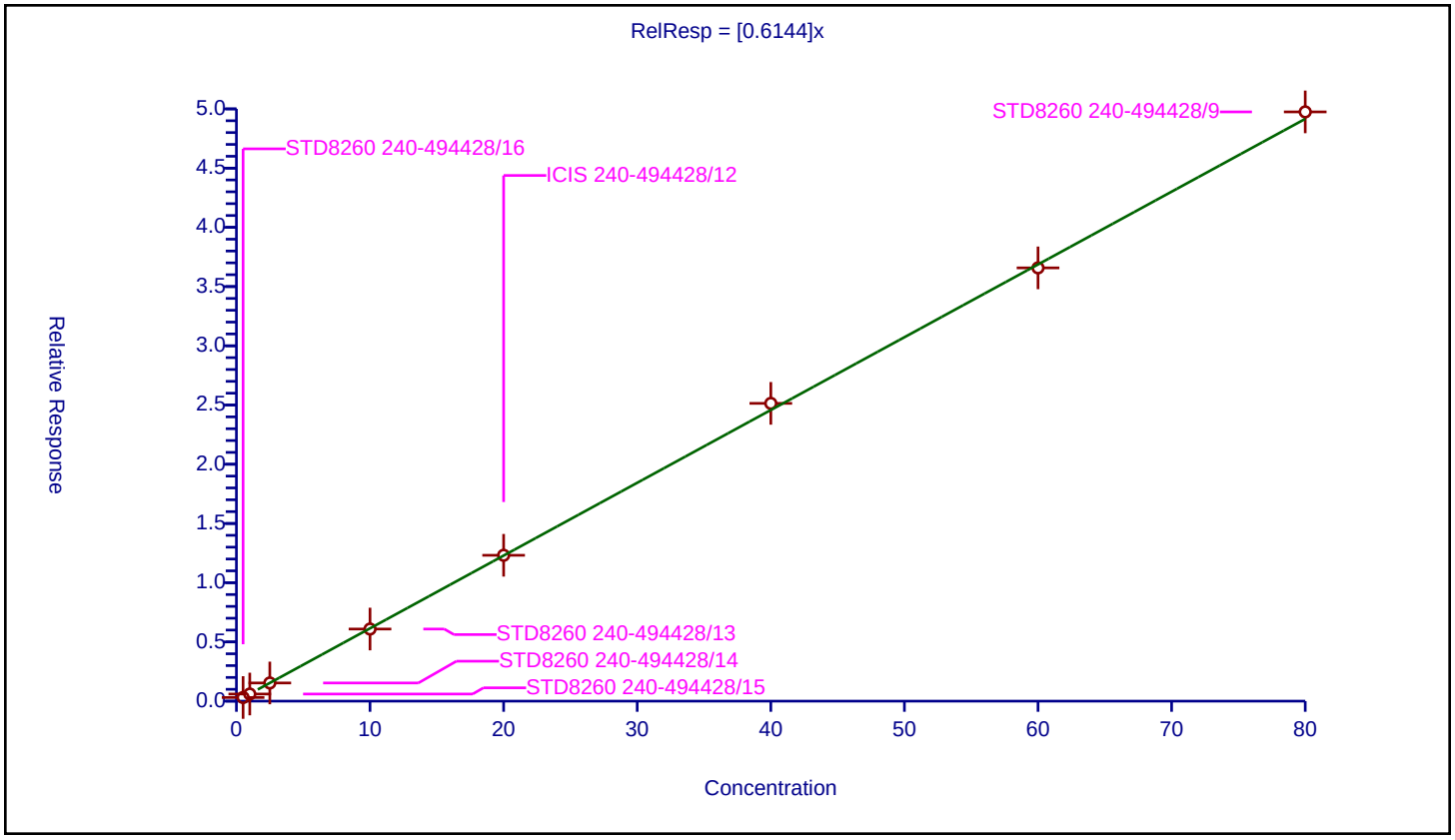
Curve Coefficients

Intercept:	0
Slope:	0.6144

Error Coefficients

Standard Error:	974000
Relative Standard Error:	1.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.307475	20.0	629449.0	0.614951	Y
2	STD8260 240-494428/15	1.0	0.602276	20.0	658867.0	0.602276	Y
3	STD8260 240-494428/14	2.5	1.534875	20.0	666504.0	0.61395	Y
4	STD8260 240-494428/13	10.0	6.08731	20.0	697083.0	0.608731	Y
5	ICIS 240-494428/12	20.0	12.313166	20.0	700460.0	0.615658	Y
6	STD8260 240-494428/11	40.0	25.13883	20.0	758192.0	0.628471	Y
7	STD8260 240-494428/10	60.0	36.577477	20.0	769672.0	0.609625	Y
8	STD8260 240-494428/9	80.0	49.746903	20.0	753782.0	0.621836	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

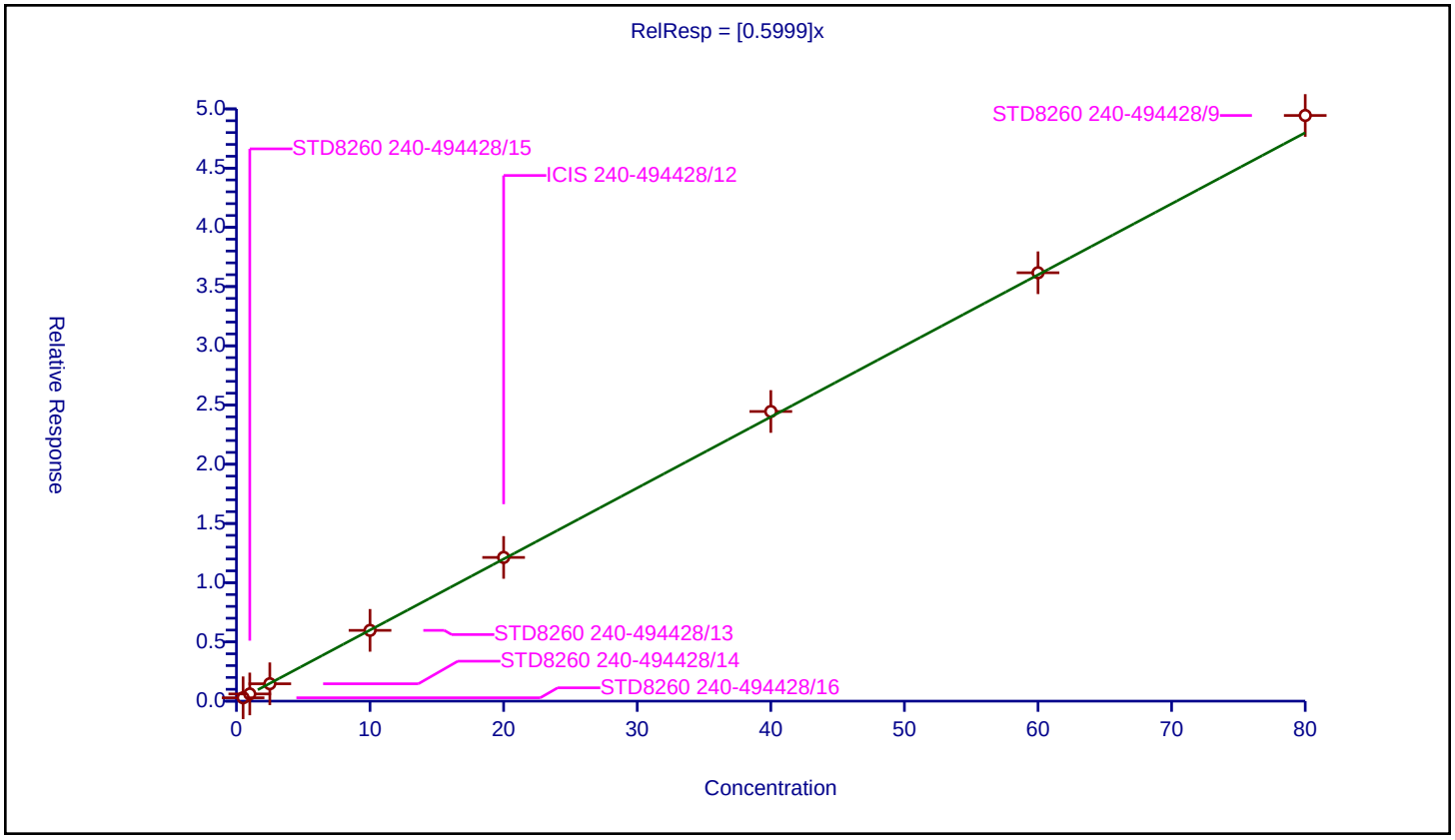
Curve Coefficients

Intercept:	0
Slope:	0.5999

Error Coefficients

Standard Error:	963000
Relative Standard Error:	2.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.283804	20.0	629449.0	0.567608	Y
2	STD8260 240-494428/15	1.0	0.608044	20.0	658867.0	0.608044	Y
3	STD8260 240-494428/14	2.5	1.467658	20.0	666504.0	0.587063	Y
4	STD8260 240-494428/13	10.0	5.975357	20.0	697083.0	0.597536	Y
5	ICIS 240-494428/12	20.0	12.132028	20.0	700460.0	0.606601	Y
6	STD8260 240-494428/11	40.0	24.455125	20.0	758192.0	0.611378	Y
7	STD8260 240-494428/10	60.0	36.167406	20.0	769672.0	0.60279	Y
8	STD8260 240-494428/9	80.0	49.44464	20.0	753782.0	0.618058	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

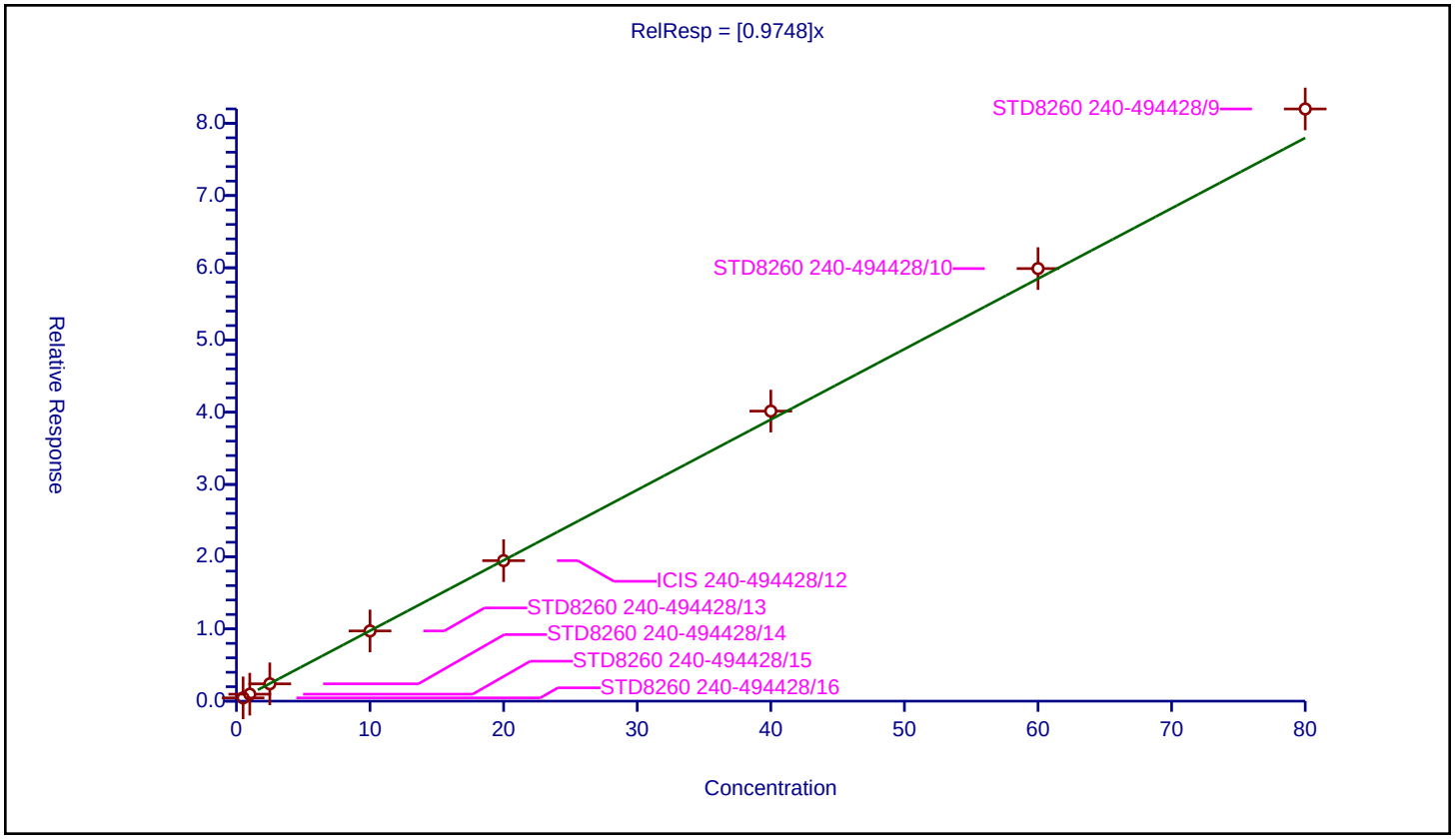
Curve Coefficients

Intercept:	0
Slope:	0.9748

Error Coefficients

Standard Error:	1590000
Relative Standard Error:	3.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.452396	20.0	629449.0	0.904791	Y
2	STD8260 240-494428/15	1.0	0.963078	20.0	658867.0	0.963078	Y
3	STD8260 240-494428/14	2.5	2.397795	20.0	666504.0	0.959118	Y
4	STD8260 240-494428/13	10.0	9.719158	20.0	697083.0	0.971916	Y
5	ICIS 240-494428/12	20.0	19.450875	20.0	700460.0	0.972544	Y
6	STD8260 240-494428/11	40.0	40.156689	20.0	758192.0	1.003917	Y
7	STD8260 240-494428/10	60.0	59.892292	20.0	769672.0	0.998205	Y
8	STD8260 240-494428/9	80.0	81.988984	20.0	753782.0	1.024862	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

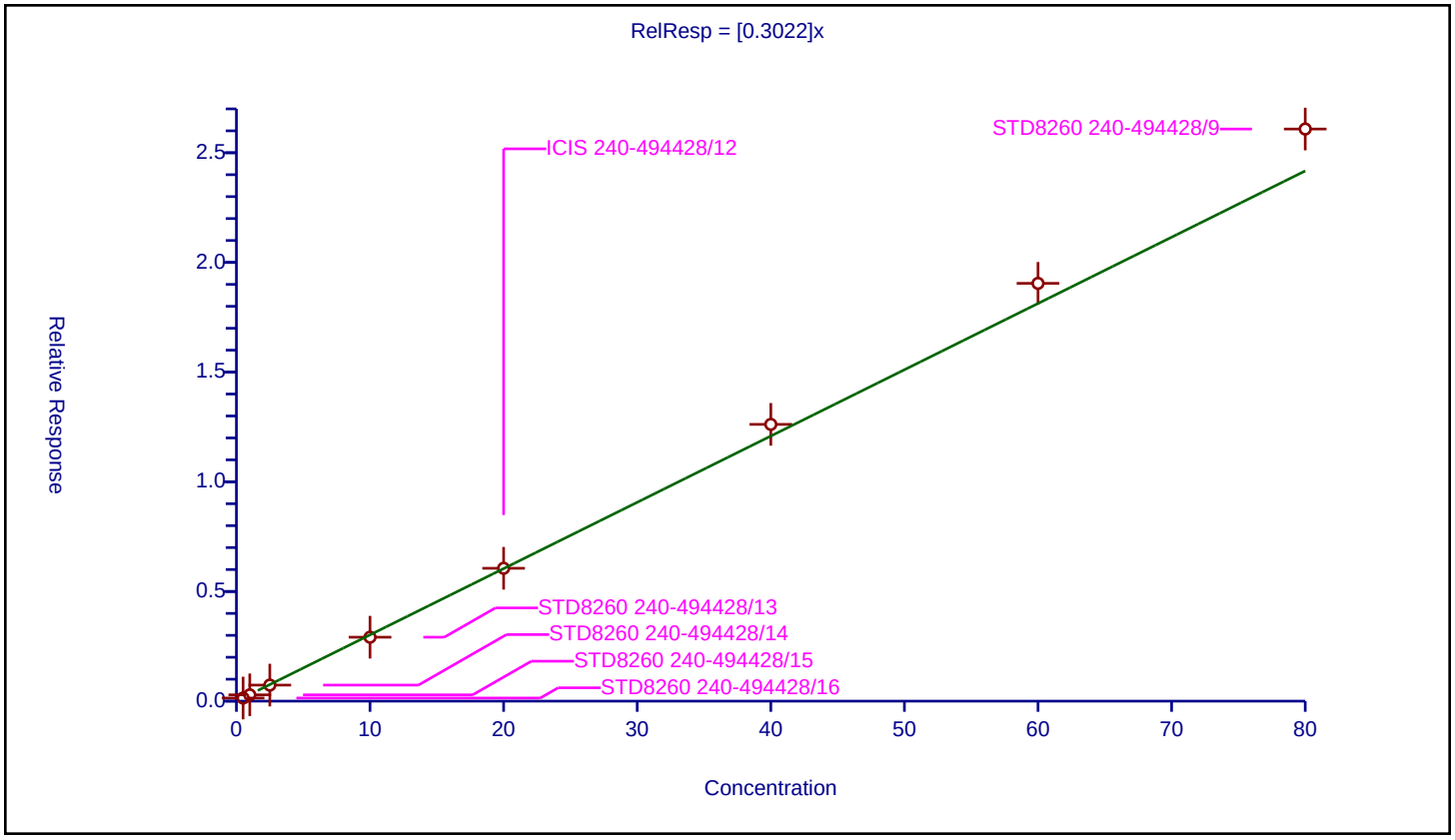
Curve Coefficients

Intercept:	0
Slope:	0.3022

Error Coefficients

Standard Error:	505000
Relative Standard Error:	5.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.141997	20.0	629449.0	0.283994	Y
2	STD8260 240-494428/15	1.0	0.287251	20.0	658867.0	0.287251	Y
3	STD8260 240-494428/14	2.5	0.731879	20.0	666504.0	0.292751	Y
4	STD8260 240-494428/13	10.0	2.914603	20.0	697083.0	0.29146	Y
5	ICIS 240-494428/12	20.0	6.05722	20.0	700460.0	0.302861	Y
6	STD8260 240-494428/11	40.0	12.617332	20.0	758192.0	0.315433	Y
7	STD8260 240-494428/10	60.0	19.046243	20.0	769672.0	0.317437	Y
8	STD8260 240-494428/9	80.0	26.081599	20.0	753782.0	0.32602	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

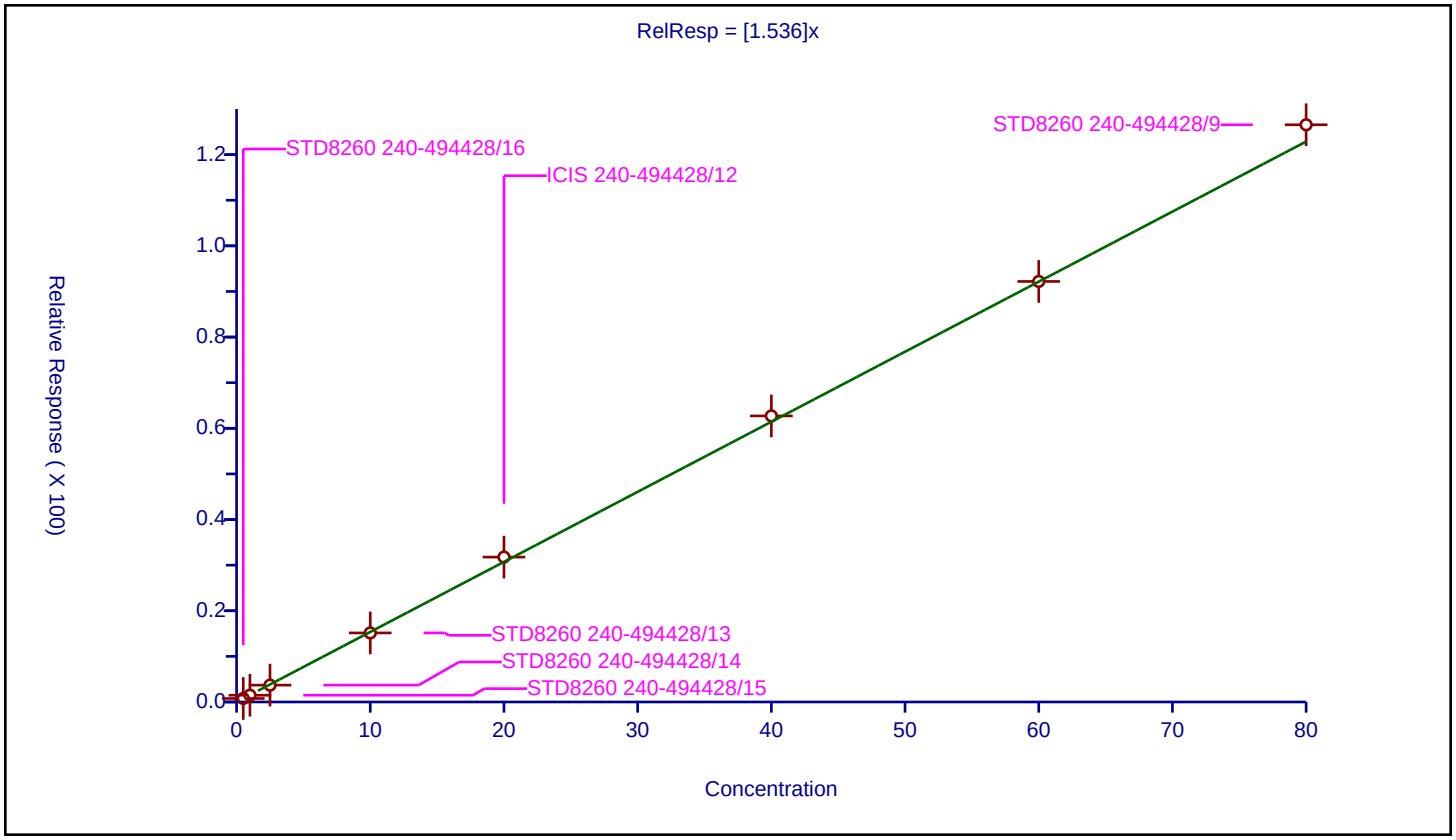
Curve Coefficients

Intercept:	0
Slope:	1.536

Error Coefficients

Standard Error:	2460000
Relative Standard Error:	2.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.768958	20.0	629449.0	1.537916	Y
2	STD8260 240-494428/15	1.0	1.481331	20.0	658867.0	1.481331	Y
3	STD8260 240-494428/14	2.5	3.695492	20.0	666504.0	1.478197	Y
4	STD8260 240-494428/13	10.0	15.140148	20.0	697083.0	1.514015	Y
5	ICIS 240-494428/12	20.0	31.76367	20.0	700460.0	1.588183	Y
6	STD8260 240-494428/11	40.0	62.716673	20.0	758192.0	1.567917	Y
7	STD8260 240-494428/10	60.0	92.199638	20.0	769672.0	1.536661	Y
8	STD8260 240-494428/9	80.0	126.542104	20.0	753782.0	1.581776	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

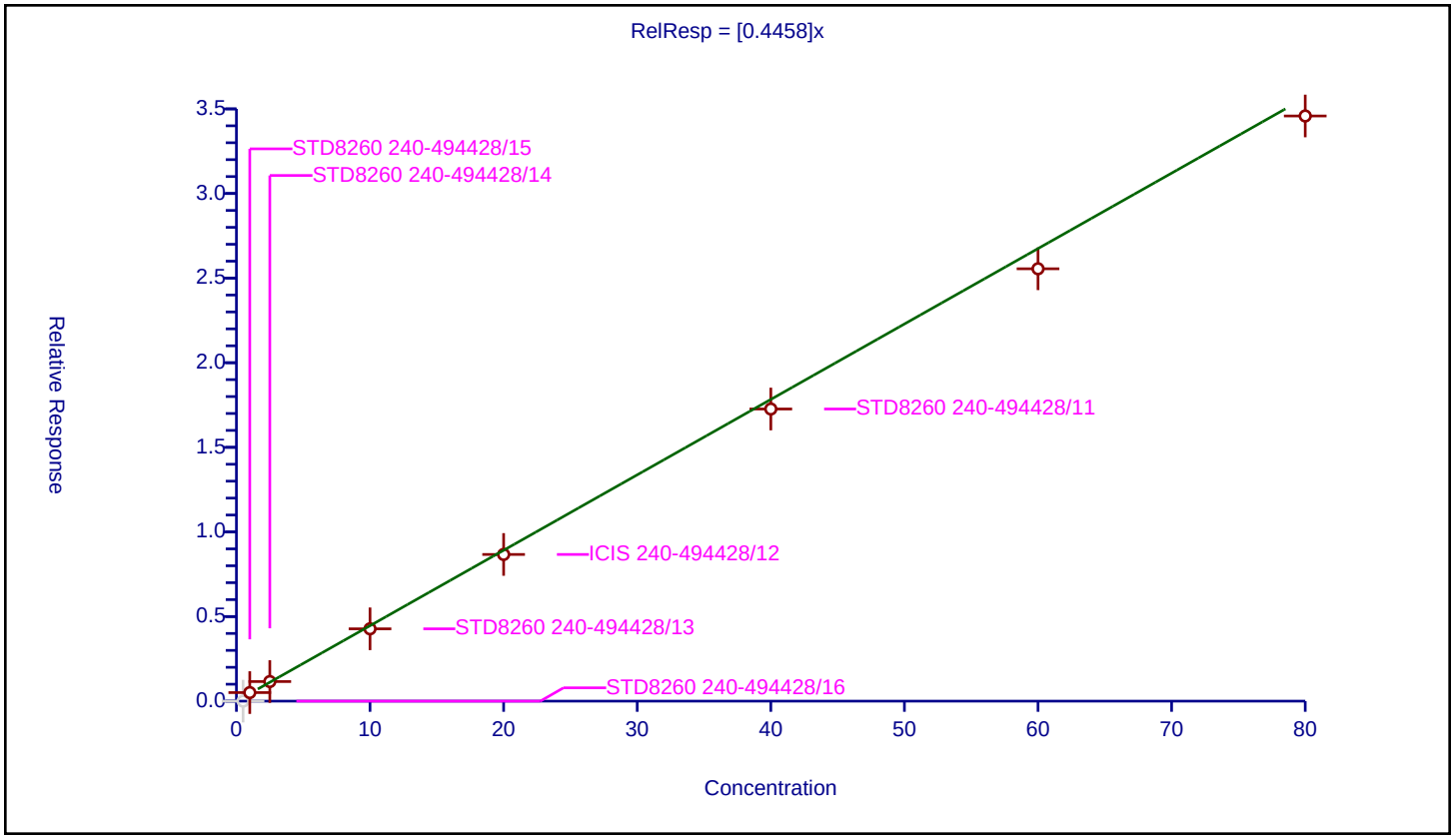
Curve Coefficients

Intercept:	0
Slope:	0.4458

Error Coefficients

Standard Error:	731000
Relative Standard Error:	6.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.0	20.0	629449.0	0.0	N
2	STD8260 240-494428/15	1.0	0.506384	20.0	658867.0	0.506384	Y
3	STD8260 240-494428/14	2.5	1.158313	20.0	666504.0	0.463325	Y
4	STD8260 240-494428/13	10.0	4.274584	20.0	697083.0	0.427458	Y
5	ICIS 240-494428/12	20.0	8.668532	20.0	700460.0	0.433427	Y
6	STD8260 240-494428/11	40.0	17.263675	20.0	758192.0	0.431592	Y
7	STD8260 240-494428/10	60.0	25.551923	20.0	769672.0	0.425865	Y
8	STD8260 240-494428/9	80.0	34.581404	20.0	753782.0	0.432268	Y



Calibration / 1,1,2,2-Tetrachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

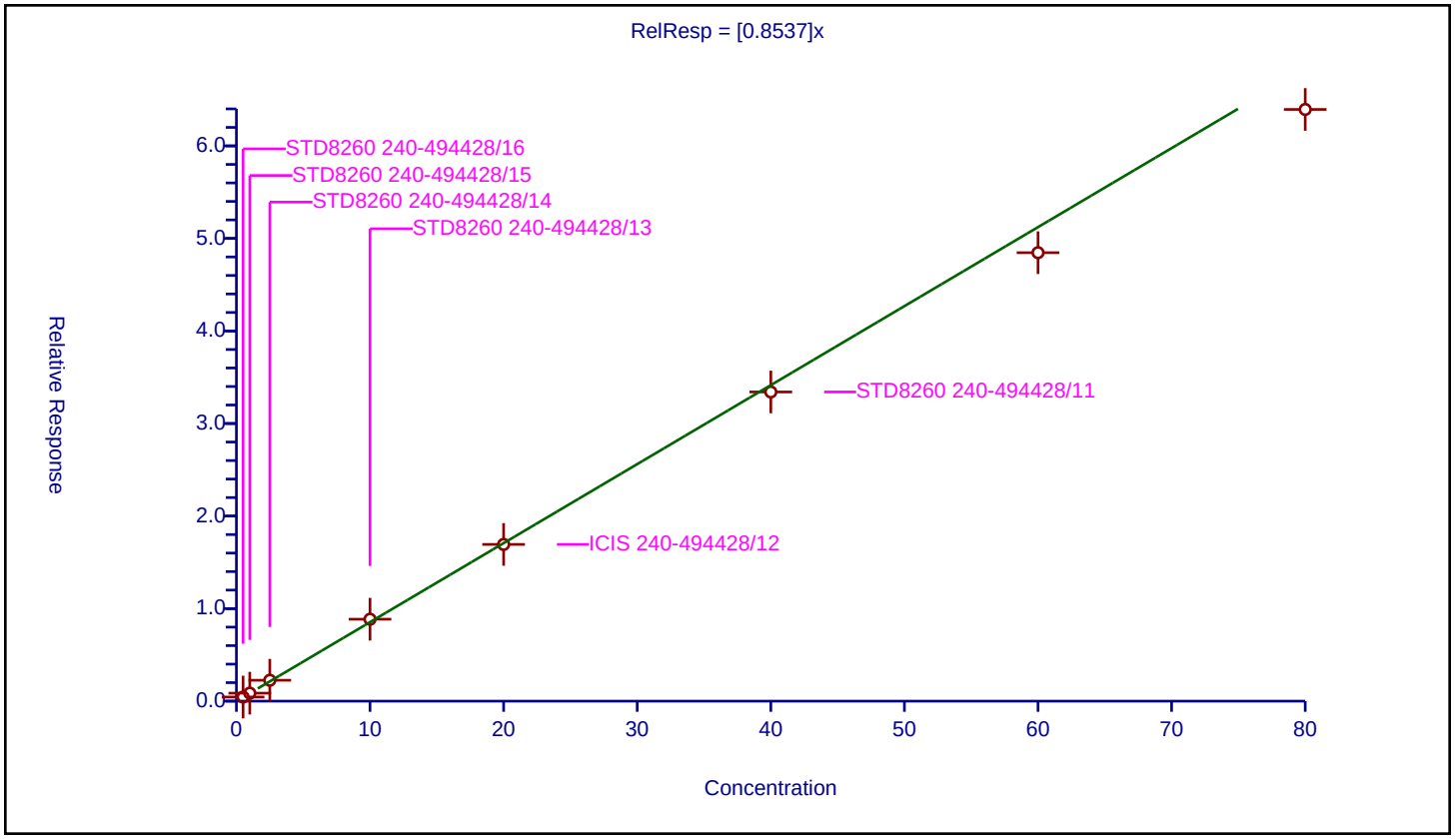
Curve Coefficients

Intercept:	0
Slope:	0.8537

Error Coefficients

Standard Error:	745000
Relative Standard Error:	4.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.444994	20.0	338746.0	0.889988	Y
2	STD8260 240-494428/15	1.0	0.861735	20.0	359902.0	0.861735	Y
3	STD8260 240-494428/14	2.5	2.259107	20.0	365941.0	0.903643	Y
4	STD8260 240-494428/13	10.0	8.853528	20.0	376372.0	0.885353	Y
5	ICIS 240-494428/12	20.0	16.935014	20.0	391669.0	0.846751	Y
6	STD8260 240-494428/11	40.0	33.41079	20.0	430777.0	0.83527	Y
7	STD8260 240-494428/10	60.0	48.461488	20.0	443695.0	0.807691	Y
8	STD8260 240-494428/9	80.0	63.939182	20.0	450261.0	0.79924	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

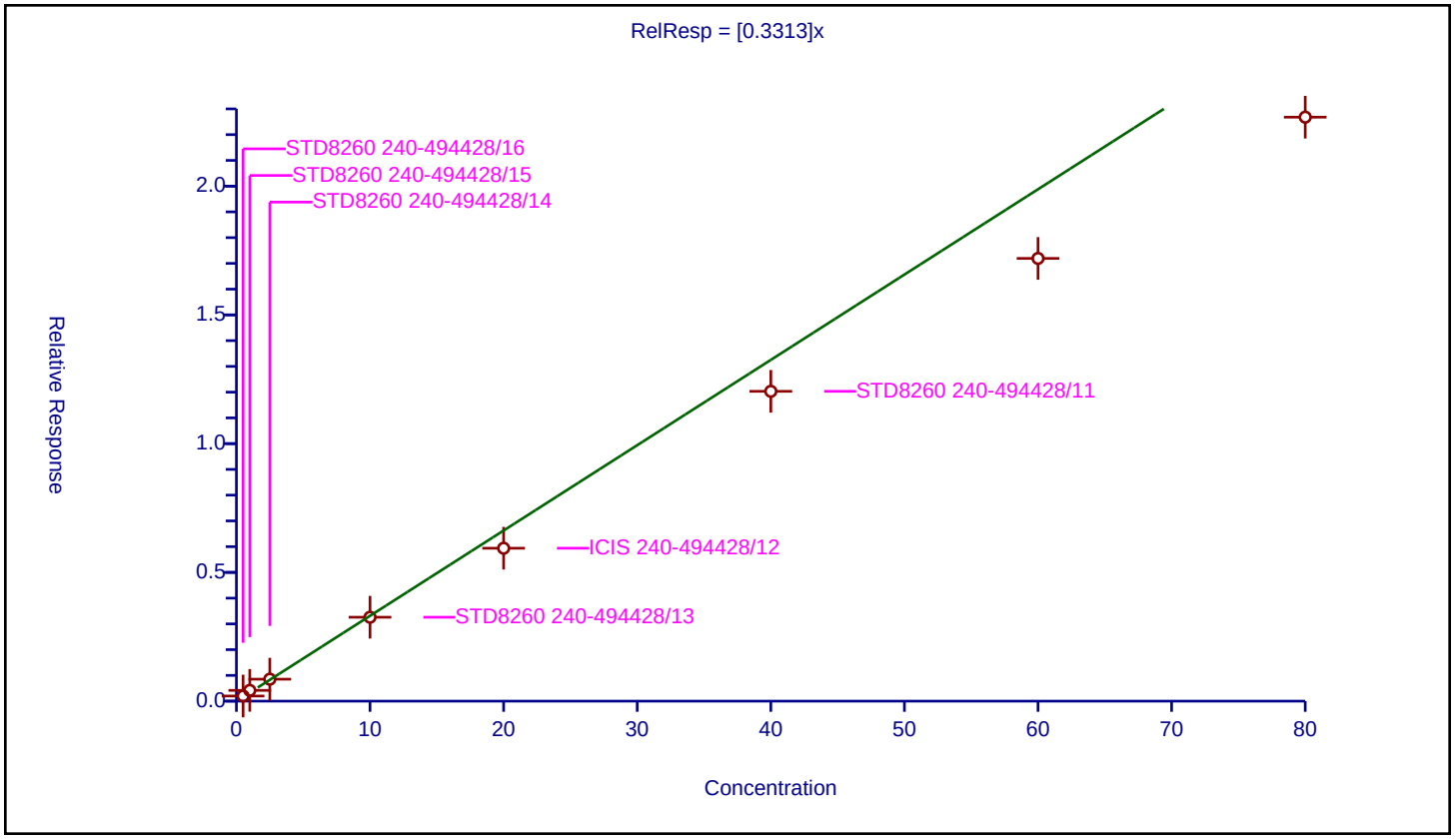
Curve Coefficients

Intercept:	0
Slope:	0.3313

Error Coefficients

Standard Error:	265000
Relative Standard Error:	15.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.964

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.198674	20.0	338746.0	0.397348	Y
2	STD8260 240-494428/15	1.0	0.418225	20.0	359902.0	0.418225	Y
3	STD8260 240-494428/14	2.5	0.852979	20.0	365941.0	0.341192	Y
4	STD8260 240-494428/13	10.0	3.25901	20.0	376372.0	0.325901	Y
5	ICIS 240-494428/12	20.0	5.938637	20.0	391669.0	0.296932	Y
6	STD8260 240-494428/11	40.0	12.032212	20.0	430777.0	0.300805	Y
7	STD8260 240-494428/10	60.0	17.192982	20.0	443695.0	0.28655	Y
8	STD8260 240-494428/9	80.0	22.678713	20.0	450261.0	0.283484	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

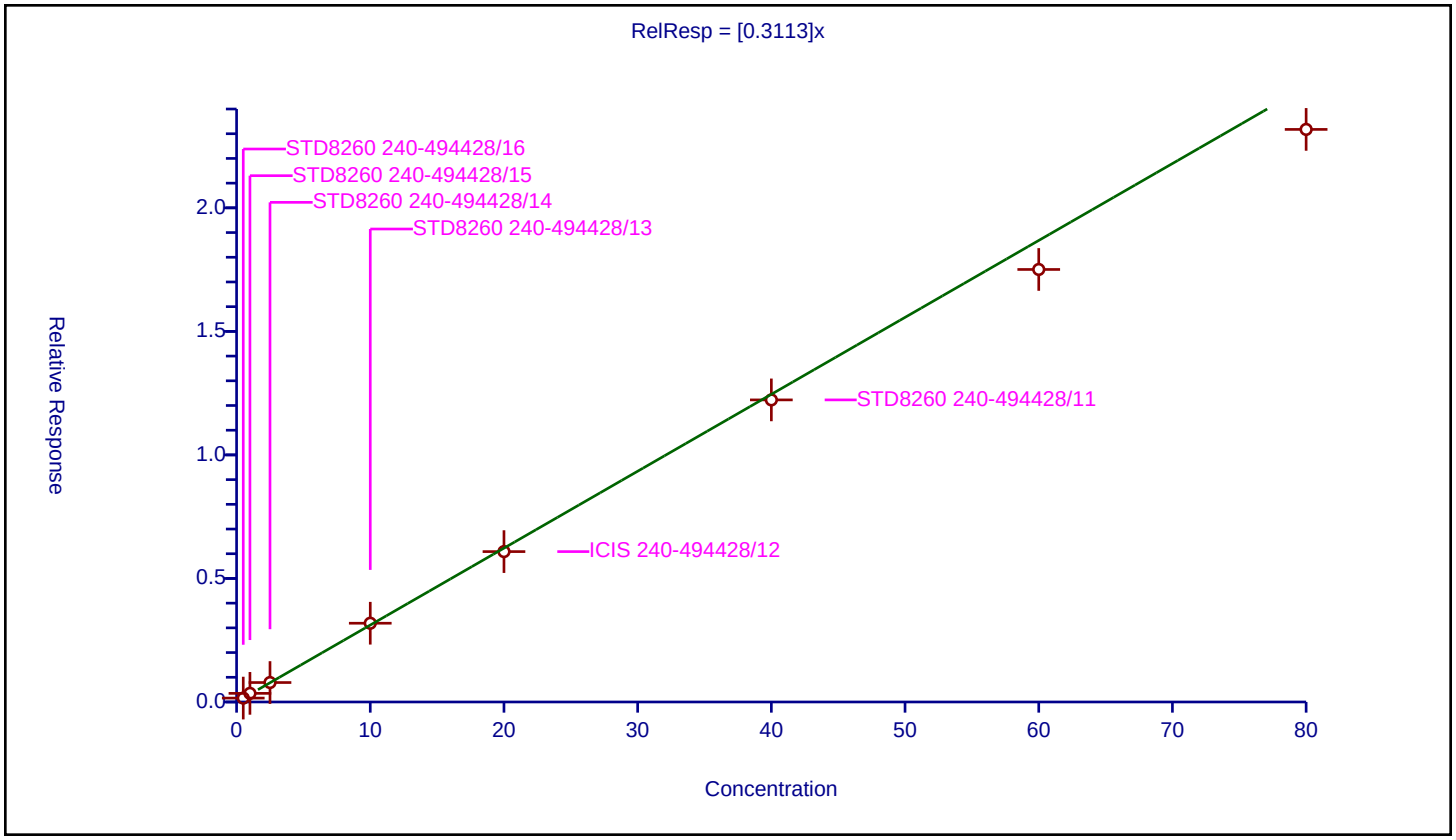
Curve Coefficients

Intercept:	0
Slope:	0.3113

Error Coefficients

Standard Error:	270000
Relative Standard Error:	6.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.158231	20.0	338746.0	0.316461	Y
2	STD8260 240-494428/15	1.0	0.349151	20.0	359902.0	0.349151	Y
3	STD8260 240-494428/14	2.5	0.786957	20.0	365941.0	0.314783	Y
4	STD8260 240-494428/13	10.0	3.18775	20.0	376372.0	0.318775	Y
5	ICIS 240-494428/12	20.0	6.086517	20.0	391669.0	0.304326	Y
6	STD8260 240-494428/11	40.0	12.227162	20.0	430777.0	0.305679	Y
7	STD8260 240-494428/10	60.0	17.505809	20.0	443695.0	0.291763	Y
8	STD8260 240-494428/9	80.0	23.174115	20.0	450261.0	0.289676	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

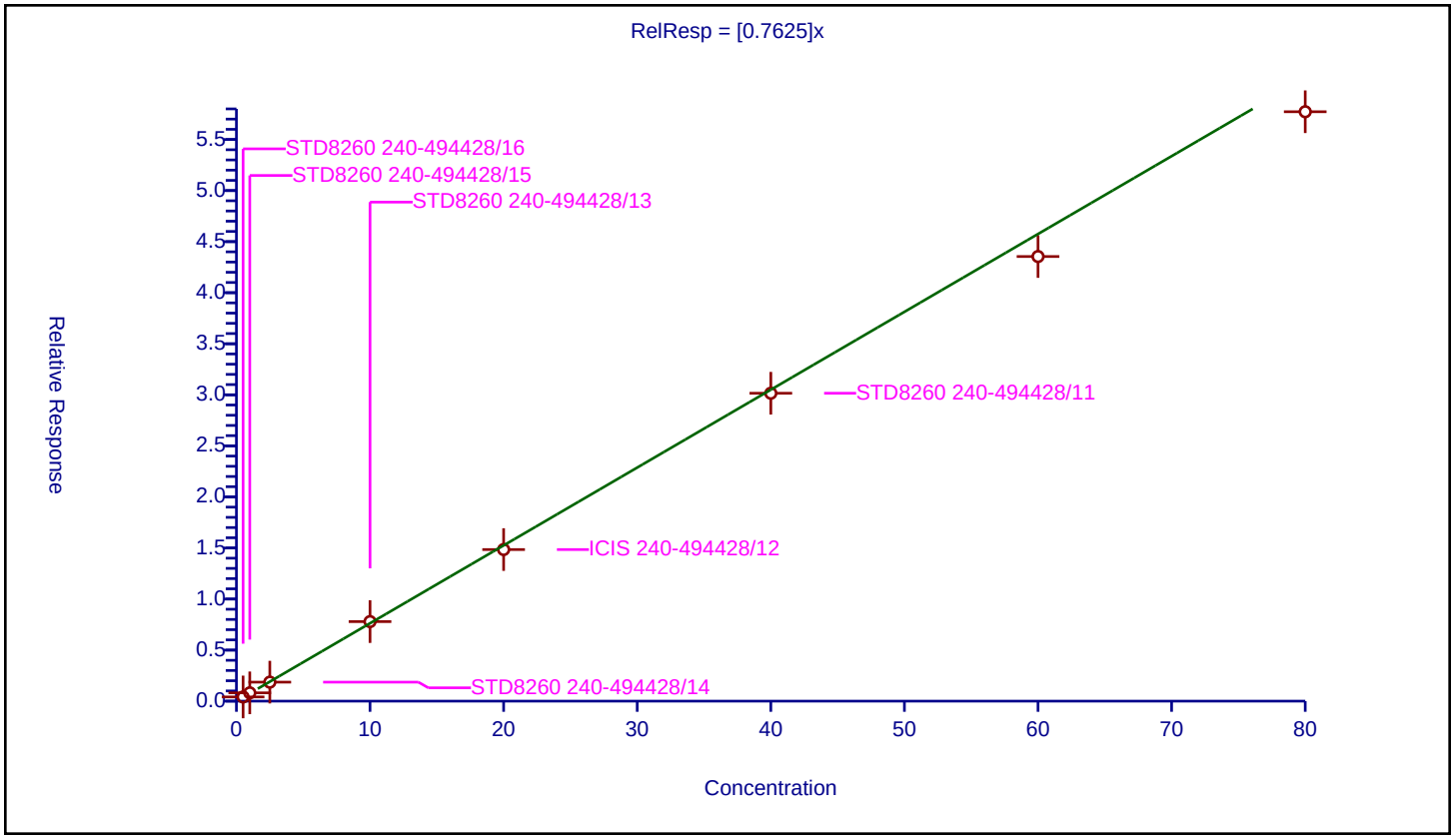
Curve Coefficients

Intercept:	0
Slope:	0.7625

Error Coefficients

Standard Error:	671000
Relative Standard Error:	5.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.409865	20.0	338746.0	0.819729	Y
2	STD8260 240-494428/15	1.0	0.813555	20.0	359902.0	0.813555	Y
3	STD8260 240-494428/14	2.5	1.859863	20.0	365941.0	0.743945	Y
4	STD8260 240-494428/13	10.0	7.790059	20.0	376372.0	0.779006	Y
5	ICIS 240-494428/12	20.0	14.846516	20.0	391669.0	0.742326	Y
6	STD8260 240-494428/11	40.0	30.152956	20.0	430777.0	0.753824	Y
7	STD8260 240-494428/10	60.0	43.542884	20.0	443695.0	0.725715	Y
8	STD8260 240-494428/9	80.0	57.721588	20.0	450261.0	0.72152	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

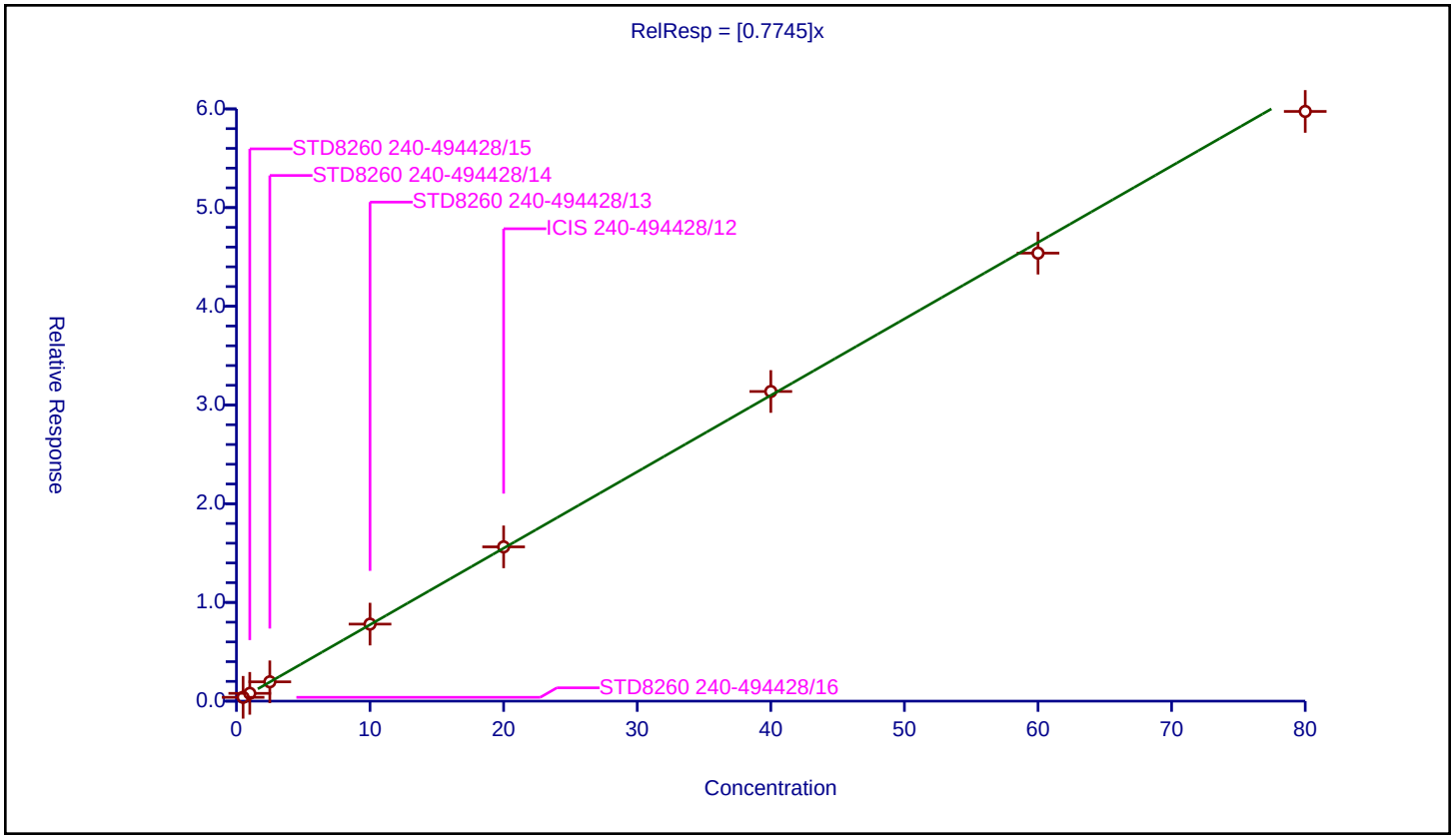
Curve Coefficients

Intercept:	0
Slope:	0.7745

Error Coefficients

Standard Error:	697000
Relative Standard Error:	1.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.386779	20.0	338746.0	0.773559	Y
2	STD8260 240-494428/15	1.0	0.79016	20.0	359902.0	0.79016	Y
3	STD8260 240-494428/14	2.5	1.956654	20.0	365941.0	0.782662	Y
4	STD8260 240-494428/13	10.0	7.804938	20.0	376372.0	0.780494	Y
5	ICIS 240-494428/12	20.0	15.630188	20.0	391669.0	0.781509	Y
6	STD8260 240-494428/11	40.0	31.372473	20.0	430777.0	0.784312	Y
7	STD8260 240-494428/10	60.0	45.385096	20.0	443695.0	0.756418	Y
8	STD8260 240-494428/9	80.0	59.74406	20.0	450261.0	0.746801	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

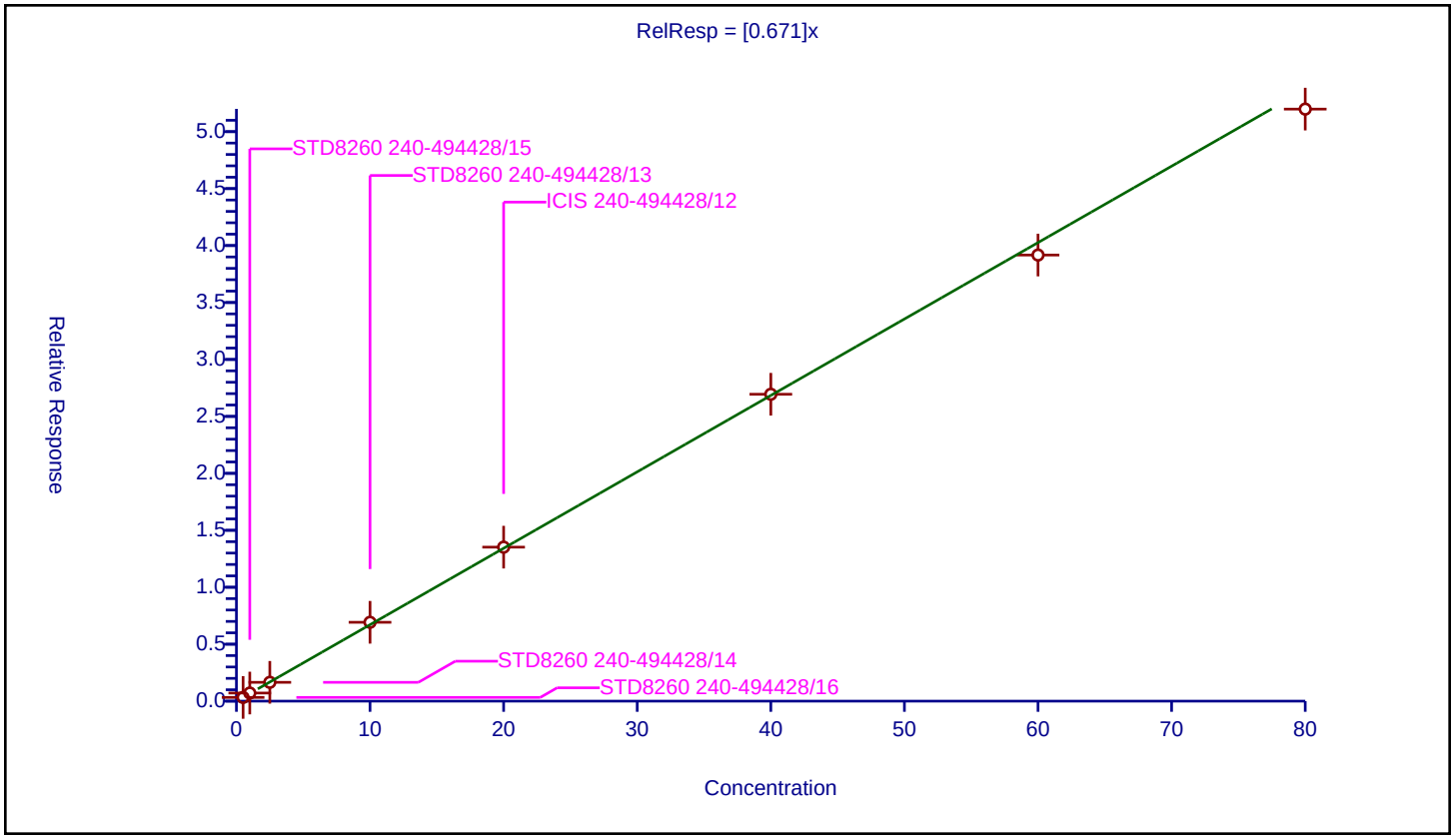
Curve Coefficients

Intercept:	0
Slope:	0.671

Error Coefficients

Standard Error:	603000
Relative Standard Error:	3.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.325317	20.0	338746.0	0.650635	Y
2	STD8260 240-494428/15	1.0	0.712416	20.0	359902.0	0.712416	Y
3	STD8260 240-494428/14	2.5	1.651414	20.0	365941.0	0.660566	Y
4	STD8260 240-494428/13	10.0	6.922779	20.0	376372.0	0.692278	Y
5	ICIS 240-494428/12	20.0	13.520498	20.0	391669.0	0.676025	Y
6	STD8260 240-494428/11	40.0	26.944196	20.0	430777.0	0.673605	Y
7	STD8260 240-494428/10	60.0	39.167897	20.0	443695.0	0.652798	Y
8	STD8260 240-494428/9	80.0	51.981318	20.0	450261.0	0.649766	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

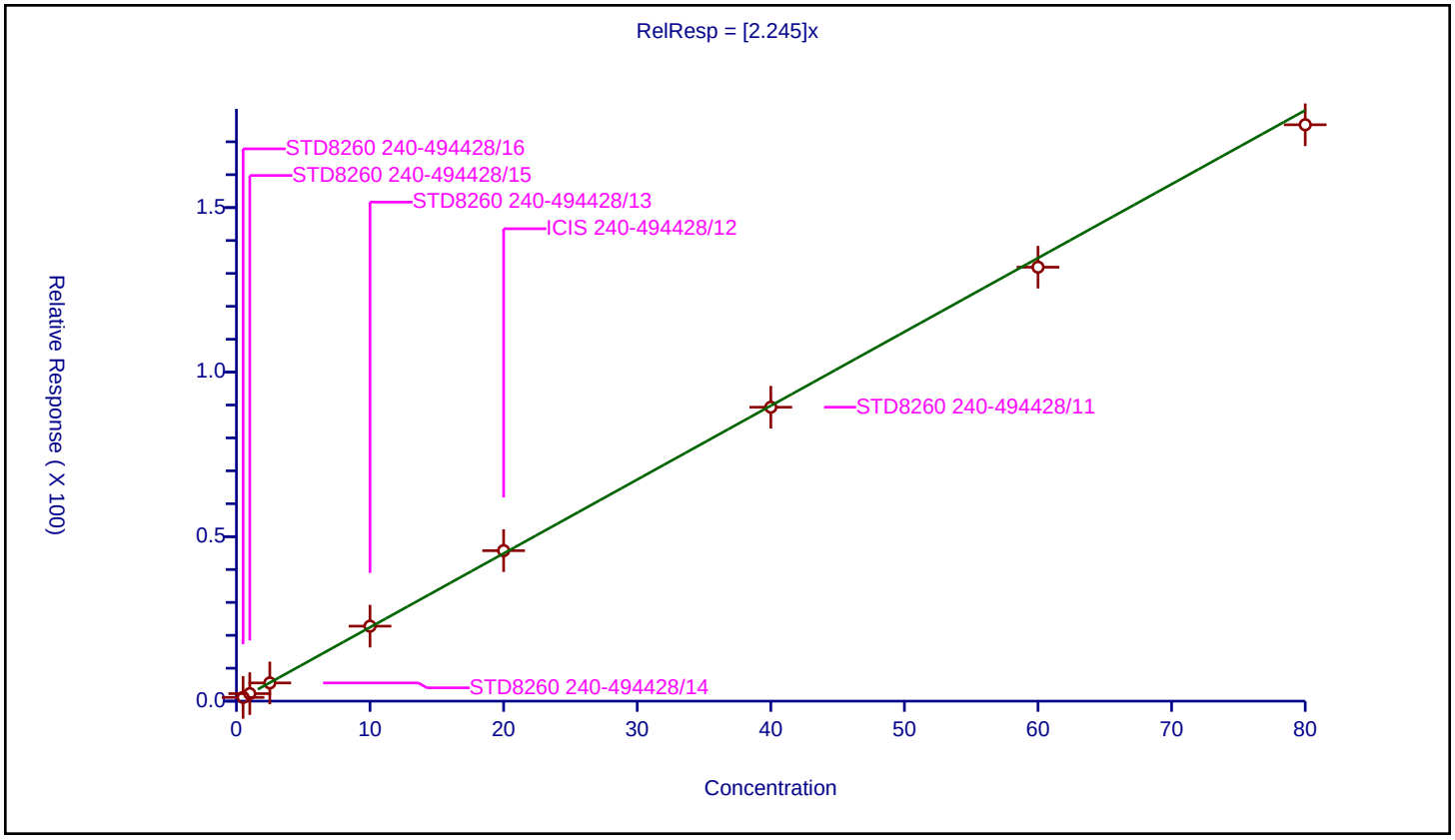
Curve Coefficients

Intercept:	0
Slope:	2.245

Error Coefficients

Standard Error:	2030000
Relative Standard Error:	1.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	1.136486	20.0	338746.0	2.272971	Y
2	STD8260 240-494428/15	1.0	2.283844	20.0	359902.0	2.283844	Y
3	STD8260 240-494428/14	2.5	5.532149	20.0	365941.0	2.212859	Y
4	STD8260 240-494428/13	10.0	22.788677	20.0	376372.0	2.278868	Y
5	ICIS 240-494428/12	20.0	45.738468	20.0	391669.0	2.286923	Y
6	STD8260 240-494428/11	40.0	89.332996	20.0	430777.0	2.233325	Y
7	STD8260 240-494428/10	60.0	131.891682	20.0	443695.0	2.198195	Y
8	STD8260 240-494428/9	80.0	175.171956	20.0	450261.0	2.189649	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

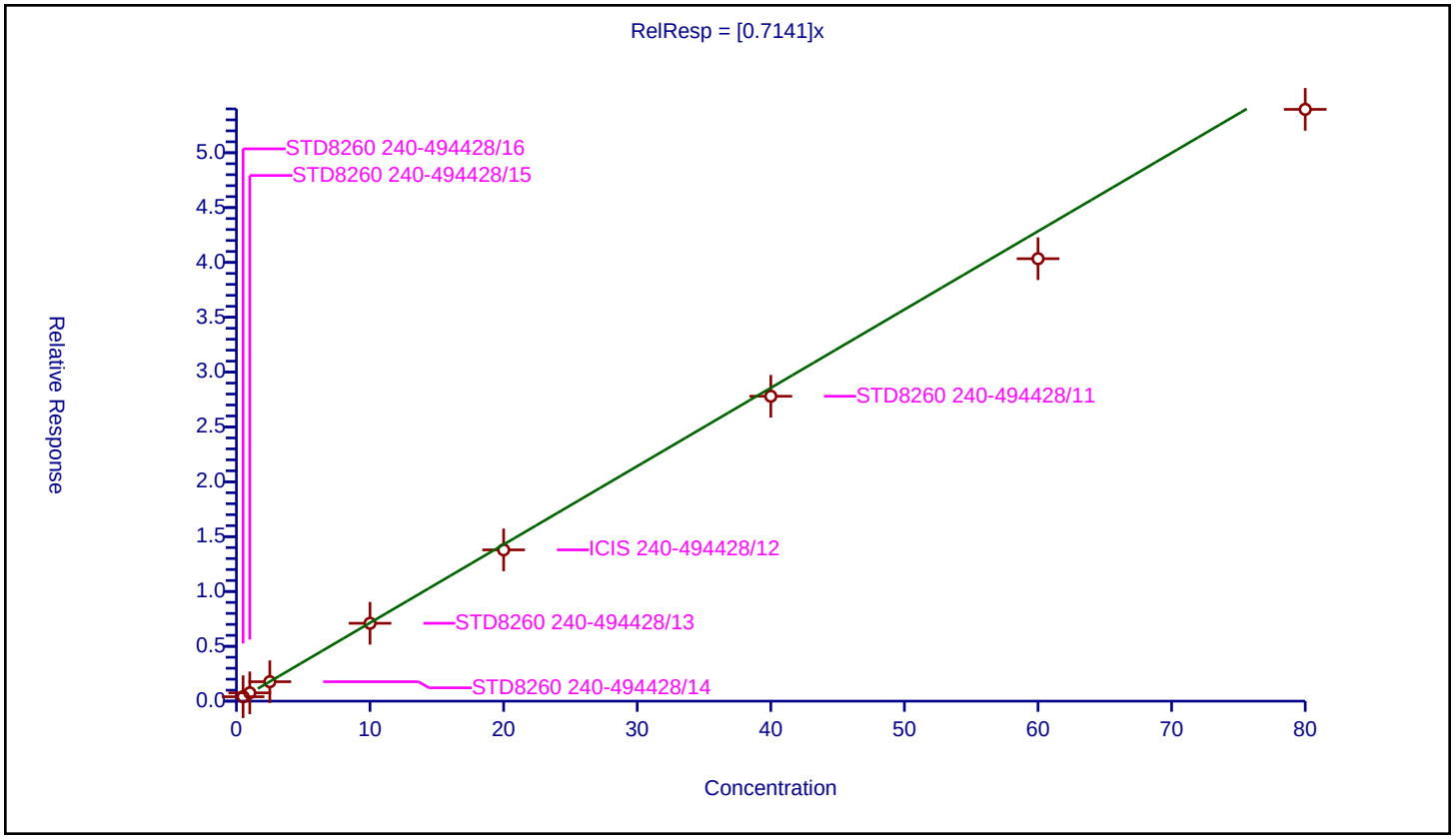
Curve Coefficients

Intercept:	0
Slope:	0.7141

Error Coefficients

Standard Error:	624000
Relative Standard Error:	6.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.402898	20.0	338746.0	0.805795	Y
2	STD8260 240-494428/15	1.0	0.756317	20.0	359902.0	0.756317	Y
3	STD8260 240-494428/14	2.5	1.772526	20.0	365941.0	0.70901	Y
4	STD8260 240-494428/13	10.0	7.099625	20.0	376372.0	0.709962	Y
5	ICIS 240-494428/12	20.0	13.79139	20.0	391669.0	0.68957	Y
6	STD8260 240-494428/11	40.0	27.800695	20.0	430777.0	0.695017	Y
7	STD8260 240-494428/10	60.0	40.341	20.0	443695.0	0.67235	Y
8	STD8260 240-494428/9	80.0	53.956883	20.0	450261.0	0.674461	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

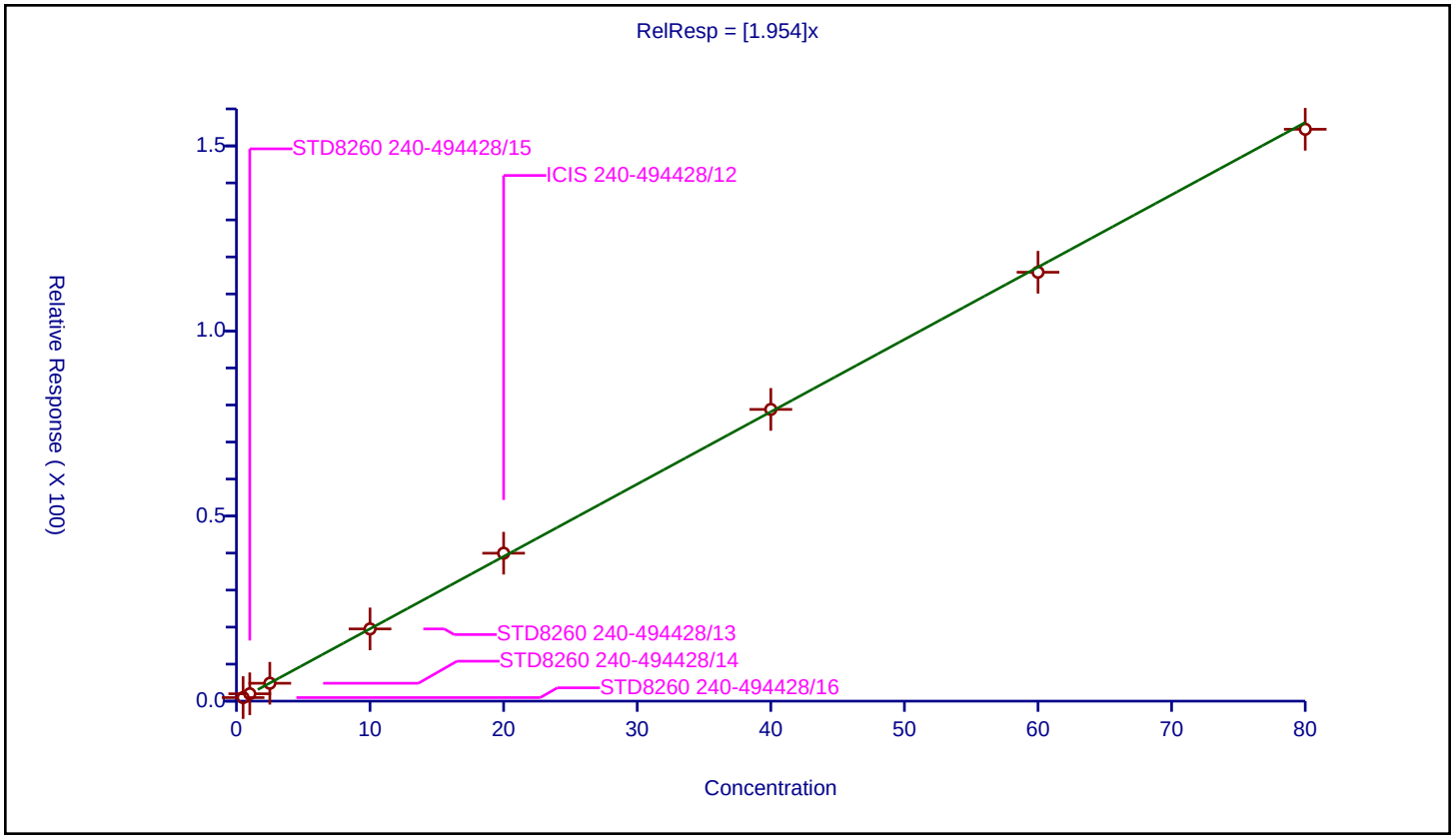
Curve Coefficients

Intercept:	0
Slope:	1.954

Error Coefficients

Standard Error:	1790000
Relative Standard Error:	1.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.963731	20.0	338746.0	1.927462	Y
2	STD8260 240-494428/15	1.0	1.991264	20.0	359902.0	1.991264	Y
3	STD8260 240-494428/14	2.5	4.83056	20.0	365941.0	1.932224	Y
4	STD8260 240-494428/13	10.0	19.509581	20.0	376372.0	1.950958	Y
5	ICIS 240-494428/12	20.0	39.966758	20.0	391669.0	1.998338	Y
6	STD8260 240-494428/11	40.0	78.811264	20.0	430777.0	1.970282	Y
7	STD8260 240-494428/10	60.0	115.873517	20.0	443695.0	1.931225	Y
8	STD8260 240-494428/9	80.0	154.494216	20.0	450261.0	1.931178	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

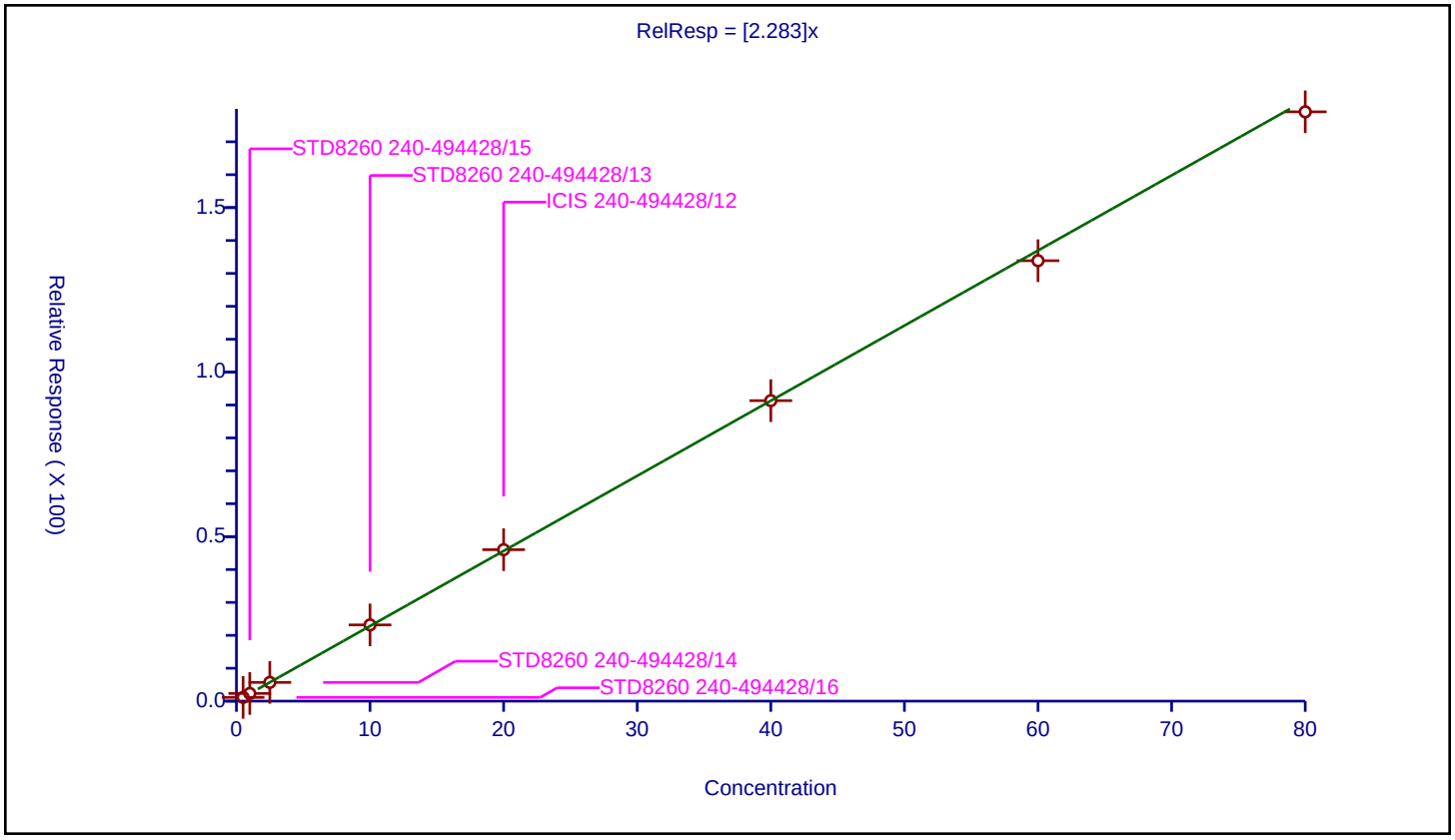
Curve Coefficients

Intercept:	0
Slope:	2.283

Error Coefficients

Standard Error:	2070000
Relative Standard Error:	1.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	1.137548	20.0	338746.0	2.275097	Y
2	STD8260 240-494428/15	1.0	2.337081	20.0	359902.0	2.337081	Y
3	STD8260 240-494428/14	2.5	5.695071	20.0	365941.0	2.278028	Y
4	STD8260 240-494428/13	10.0	23.166707	20.0	376372.0	2.316671	Y
5	ICIS 240-494428/12	20.0	46.028662	20.0	391669.0	2.301433	Y
6	STD8260 240-494428/11	40.0	91.328135	20.0	430777.0	2.283203	Y
7	STD8260 240-494428/10	60.0	133.857943	20.0	443695.0	2.230966	Y
8	STD8260 240-494428/9	80.0	179.112115	20.0	450261.0	2.238901	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

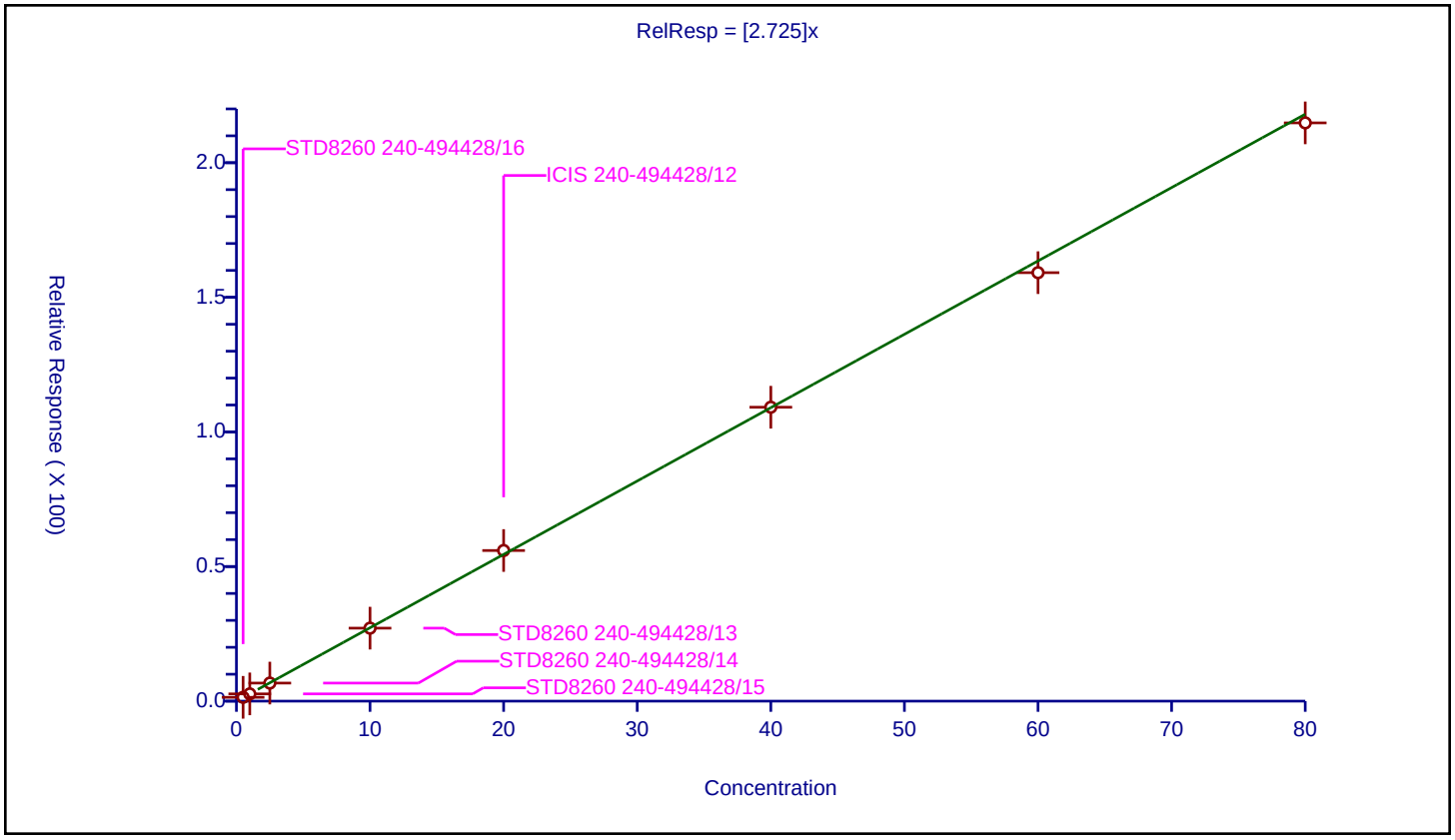
Curve Coefficients

Intercept:	0
Slope:	2.725

Error Coefficients

Standard Error:	2470000
Relative Standard Error:	2.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	1.422718	20.0	338746.0	2.845436	Y
2	STD8260 240-494428/15	1.0	2.695178	20.0	359902.0	2.695178	Y
3	STD8260 240-494428/14	2.5	6.714088	20.0	365941.0	2.685635	Y
4	STD8260 240-494428/13	10.0	27.115513	20.0	376372.0	2.711551	Y
5	ICIS 240-494428/12	20.0	55.950305	20.0	391669.0	2.797515	Y
6	STD8260 240-494428/11	40.0	109.184334	20.0	430777.0	2.729608	Y
7	STD8260 240-494428/10	60.0	159.160504	20.0	443695.0	2.652675	Y
8	STD8260 240-494428/9	80.0	214.805058	20.0	450261.0	2.685063	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

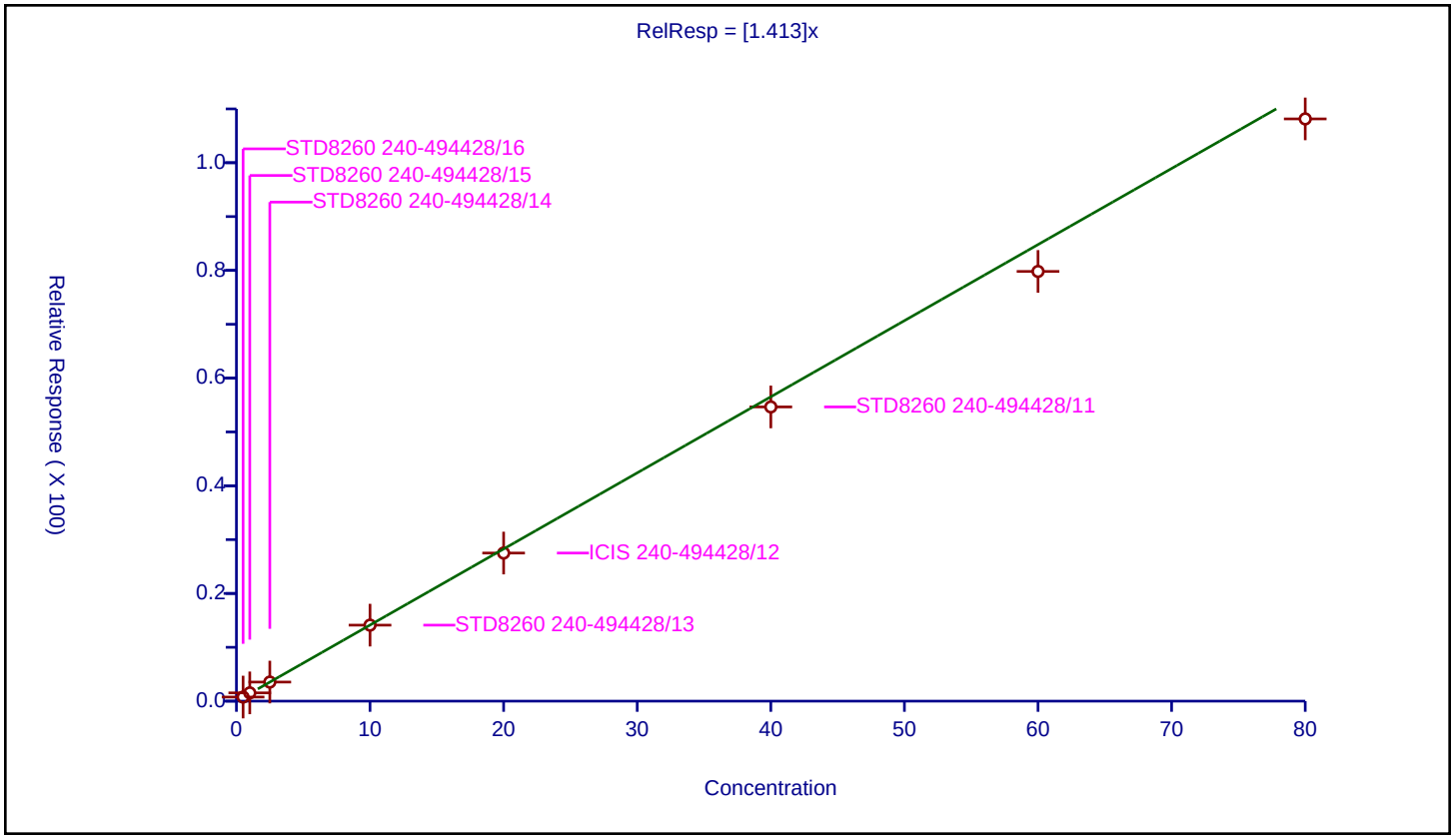
Curve Coefficients

Intercept:	0
Slope:	1.413

Error Coefficients

Standard Error:	1240000
Relative Standard Error:	5.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.75933	20.0	338746.0	1.51866	Y
2	STD8260 240-494428/15	1.0	1.534584	20.0	359902.0	1.534584	Y
3	STD8260 240-494428/14	2.5	3.544998	20.0	365941.0	1.417999	Y
4	STD8260 240-494428/13	10.0	14.113802	20.0	376372.0	1.41138	Y
5	ICIS 240-494428/12	20.0	27.508994	20.0	391669.0	1.37545	Y
6	STD8260 240-494428/11	40.0	54.644654	20.0	430777.0	1.366116	Y
7	STD8260 240-494428/10	60.0	79.808382	20.0	443695.0	1.33014	Y
8	STD8260 240-494428/9	80.0	108.1423	20.0	450261.0	1.351779	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

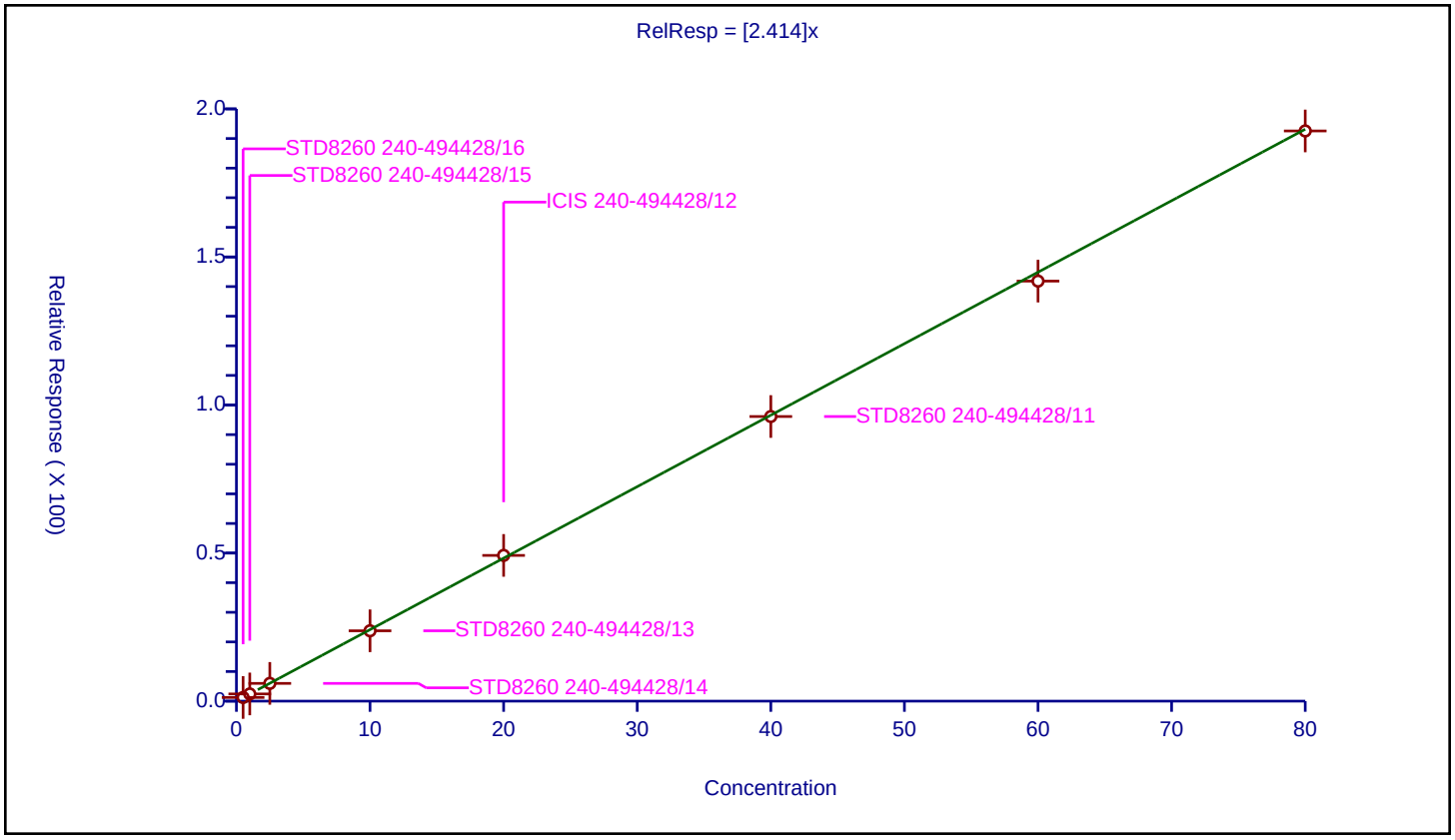
Curve Coefficients

Intercept:	0
Slope:	2.414

Error Coefficients

Standard Error:	2210000
Relative Standard Error:	1.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	1.235262	20.0	338746.0	2.470524	Y
2	STD8260 240-494428/15	1.0	2.433662	20.0	359902.0	2.433662	Y
3	STD8260 240-494428/14	2.5	5.997688	20.0	365941.0	2.399075	Y
4	STD8260 240-494428/13	10.0	23.758728	20.0	376372.0	2.375873	Y
5	ICIS 240-494428/12	20.0	49.213443	20.0	391669.0	2.460672	Y
6	STD8260 240-494428/11	40.0	96.112838	20.0	430777.0	2.402821	Y
7	STD8260 240-494428/10	60.0	141.845412	20.0	443695.0	2.36409	Y
8	STD8260 240-494428/9	80.0	192.555962	20.0	450261.0	2.40695	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

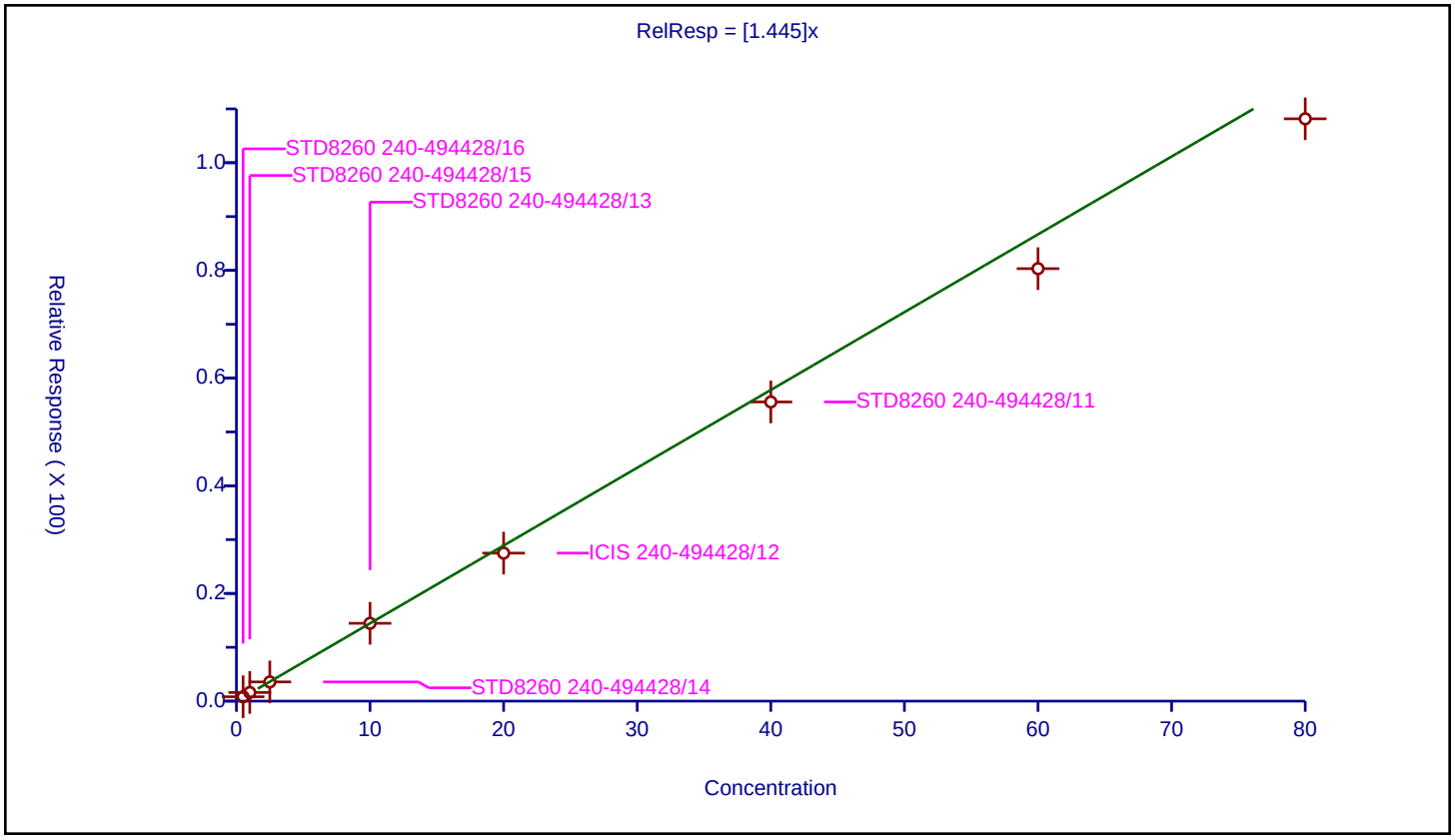
Curve Coefficients

Intercept:	0
Slope:	1.445

Error Coefficients

Standard Error:	1250000
Relative Standard Error:	7.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.813766	20.0	338746.0	1.627532	Y
2	STD8260 240-494428/15	1.0	1.604214	20.0	359902.0	1.604214	Y
3	STD8260 240-494428/14	2.5	3.568717	20.0	365941.0	1.427487	Y
4	STD8260 240-494428/13	10.0	14.455964	20.0	376372.0	1.445596	Y
5	ICIS 240-494428/12	20.0	27.491479	20.0	391669.0	1.374574	Y
6	STD8260 240-494428/11	40.0	55.570933	20.0	430777.0	1.389273	Y
7	STD8260 240-494428/10	60.0	80.330137	20.0	443695.0	1.338836	Y
8	STD8260 240-494428/9	80.0	108.160023	20.0	450261.0	1.352	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

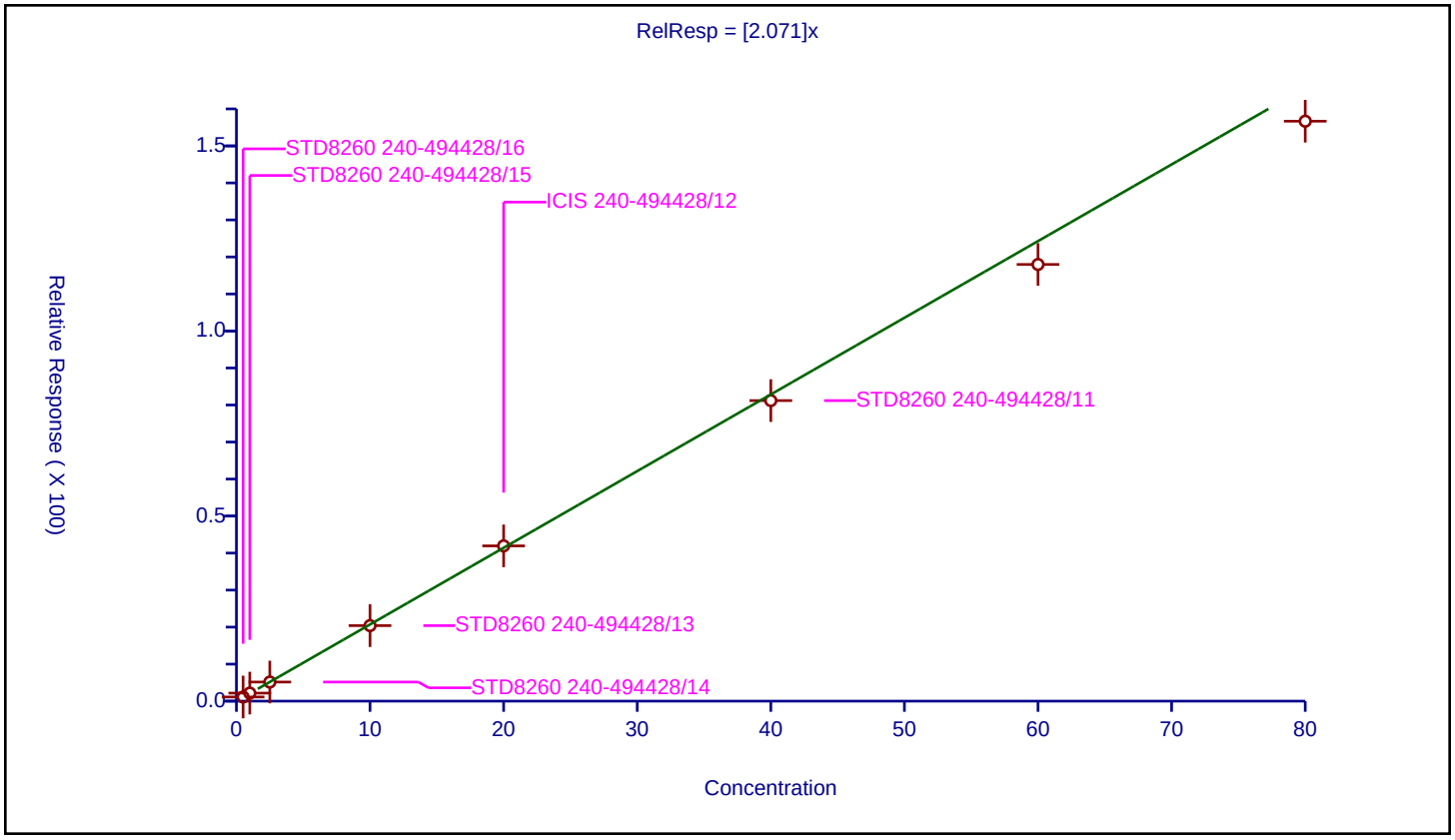
Curve Coefficients

Intercept:	0
Slope:	2.071

Error Coefficients

Standard Error:	1820000
Relative Standard Error:	4.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	1.121017	20.0	338746.0	2.242034	Y
2	STD8260 240-494428/15	1.0	2.171147	20.0	359902.0	2.171147	Y
3	STD8260 240-494428/14	2.5	5.162144	20.0	365941.0	2.064857	Y
4	STD8260 240-494428/13	10.0	20.403962	20.0	376372.0	2.040396	Y
5	ICIS 240-494428/12	20.0	41.948176	20.0	391669.0	2.097409	Y
6	STD8260 240-494428/11	40.0	81.193239	20.0	430777.0	2.029831	Y
7	STD8260 240-494428/10	60.0	117.969867	20.0	443695.0	1.966164	Y
8	STD8260 240-494428/9	80.0	156.674906	20.0	450261.0	1.958436	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

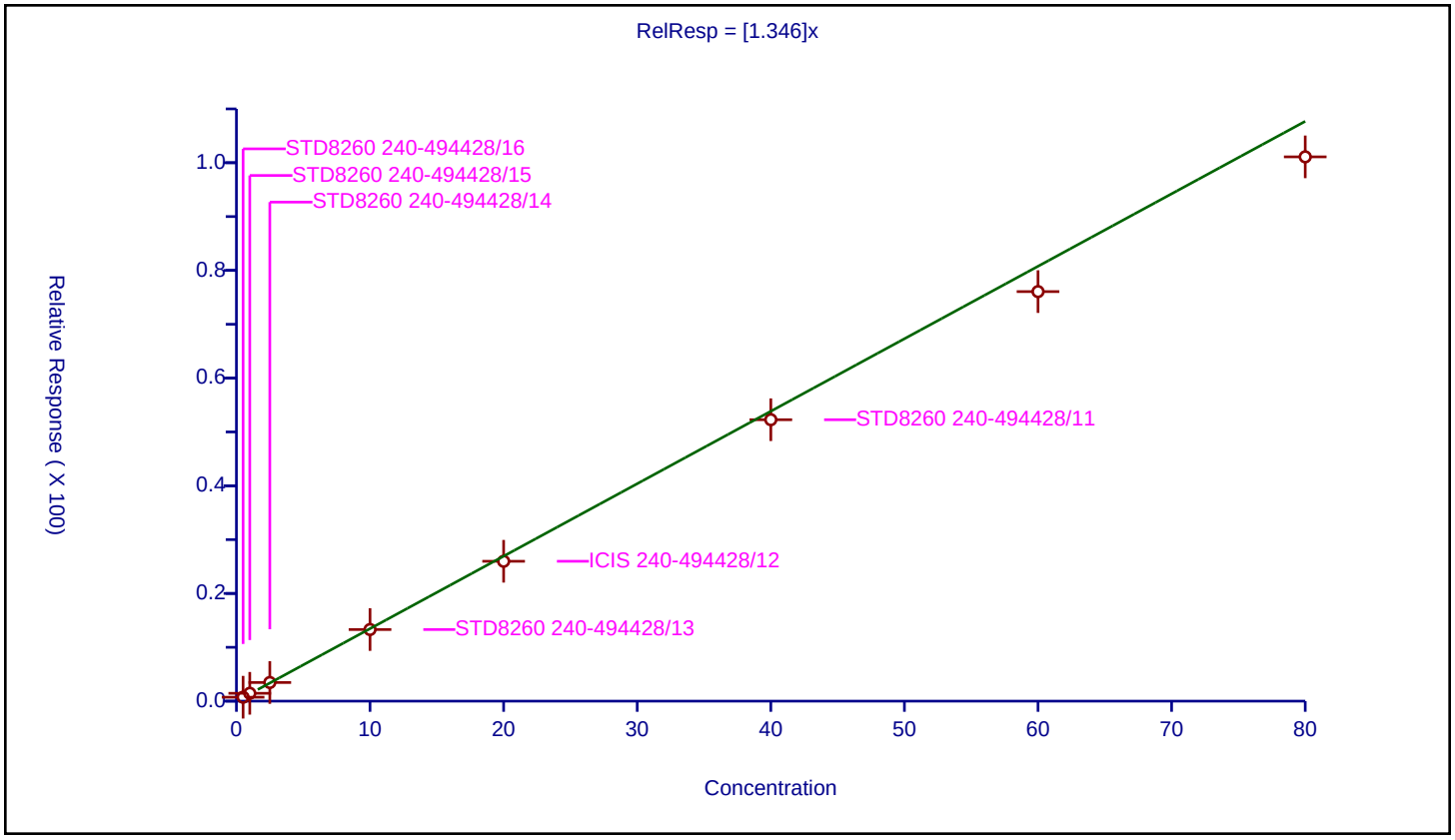
Curve Coefficients

Intercept:	0
Slope:	1.346

Error Coefficients

Standard Error:	1170000
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 240-494428/16	0.5	0.731108	20.0	338746.0	1.462217	Y
2	STD8260 240-494428/15	1.0	1.454729	20.0	359902.0	1.454729	Y
3	STD8260 240-494428/14	2.5	3.461979	20.0	365941.0	1.384792	Y
4	STD8260 240-494428/13	10.0	13.299927	20.0	376372.0	1.329993	Y
5	ICIS 240-494428/12	20.0	25.979743	20.0	391669.0	1.298987	Y
6	STD8260 240-494428/11	40.0	52.271547	20.0	430777.0	1.306789	Y
7	STD8260 240-494428/10	60.0	76.063422	20.0	443695.0	1.267724	Y
8	STD8260 240-494428/9	80.0	101.093055	20.0	450261.0	1.263663	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

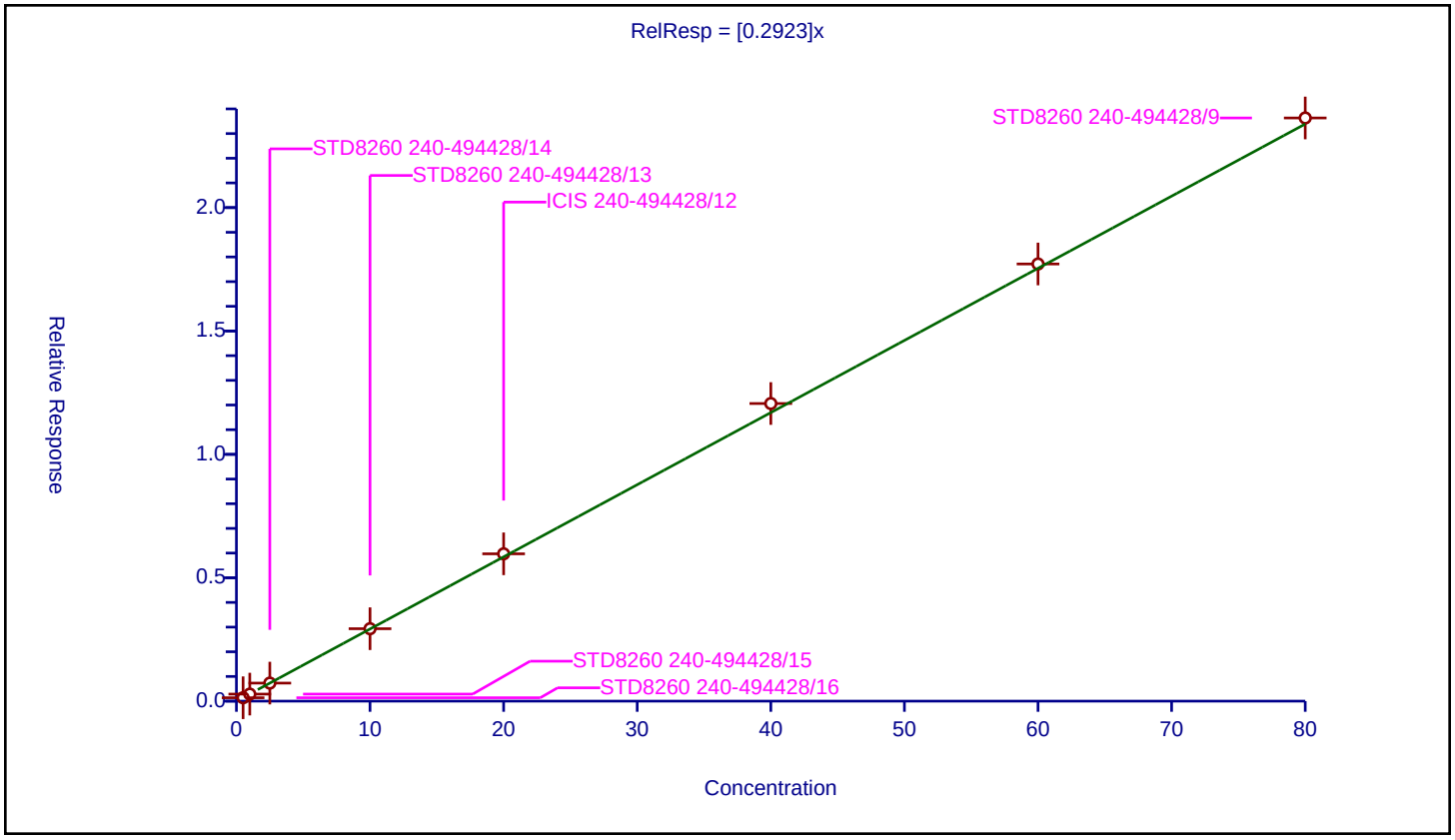
Curve Coefficients

Intercept:	0
Slope:	0.2923

Error Coefficients

Standard Error:	273000
Relative Standard Error:	2.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.138098	20.0	338746.0	0.276195	Y
2	STD8260 240-494428/15	1.0	0.2858	20.0	359902.0	0.2858	Y
3	STD8260 240-494428/14	2.5	0.731429	20.0	365941.0	0.292572	Y
4	STD8260 240-494428/13	10.0	2.934809	20.0	376372.0	0.293481	Y
5	ICIS 240-494428/12	20.0	5.970194	20.0	391669.0	0.29851	Y
6	STD8260 240-494428/11	40.0	12.0603	20.0	430777.0	0.301508	Y
7	STD8260 240-494428/10	60.0	17.715458	20.0	443695.0	0.295258	Y
8	STD8260 240-494428/9	80.0	23.631716	20.0	450261.0	0.295396	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

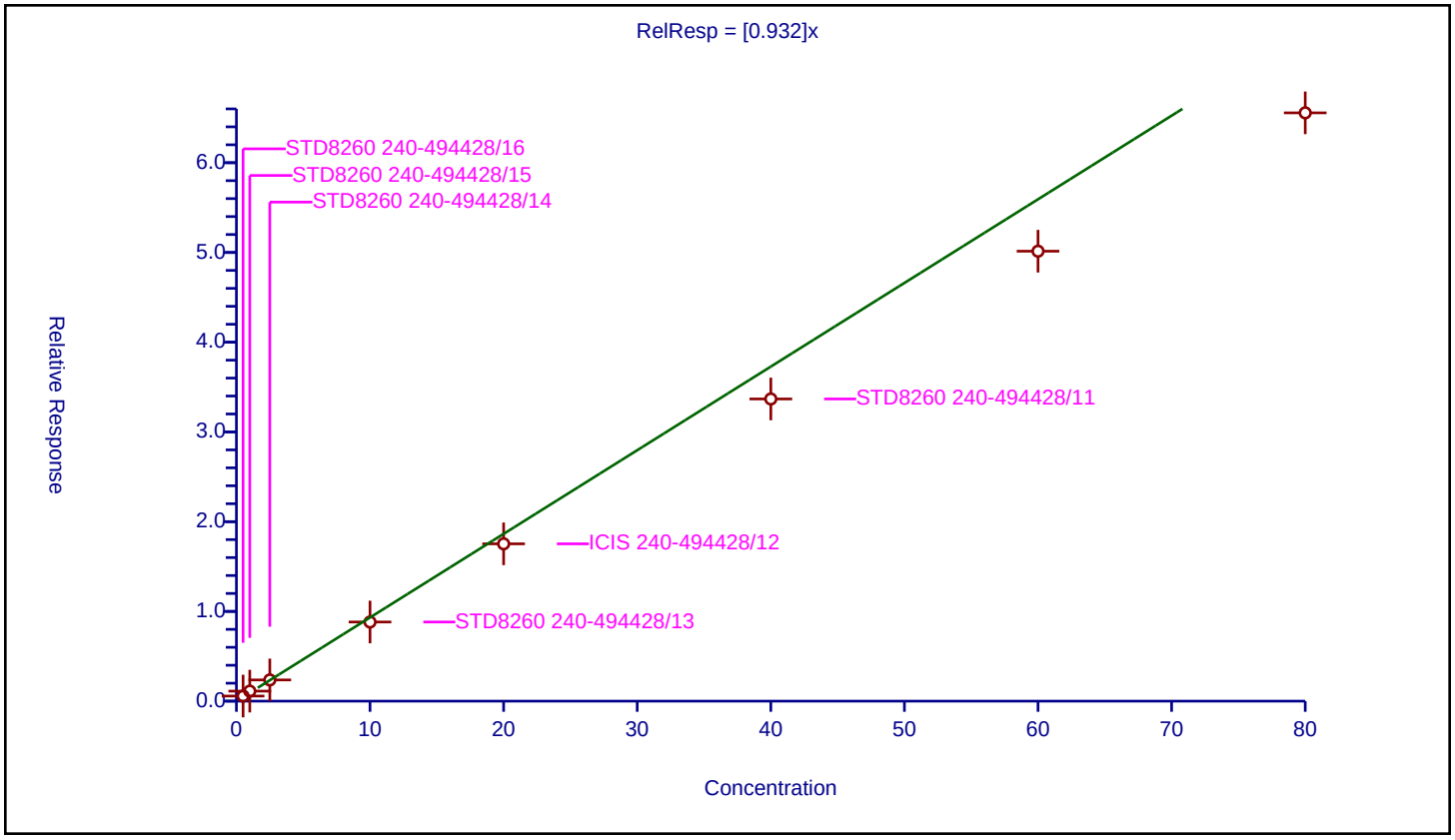
Curve Coefficients

Intercept:	0
Slope:	0.932

Error Coefficients

Standard Error:	764000
Relative Standard Error:	13.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.569571	20.0	338746.0	1.139143	Y
2	STD8260 240-494428/15	1.0	1.116137	20.0	359902.0	1.116137	Y
3	STD8260 240-494428/14	2.5	2.36355	20.0	365941.0	0.94542	Y
4	STD8260 240-494428/13	10.0	8.820847	20.0	376372.0	0.882085	Y
5	ICIS 240-494428/12	20.0	17.532304	20.0	391669.0	0.876615	Y
6	STD8260 240-494428/11	40.0	33.673943	20.0	430777.0	0.841849	Y
7	STD8260 240-494428/10	60.0	50.140029	20.0	443695.0	0.835667	Y
8	STD8260 240-494428/9	80.0	65.557488	20.0	450261.0	0.819469	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

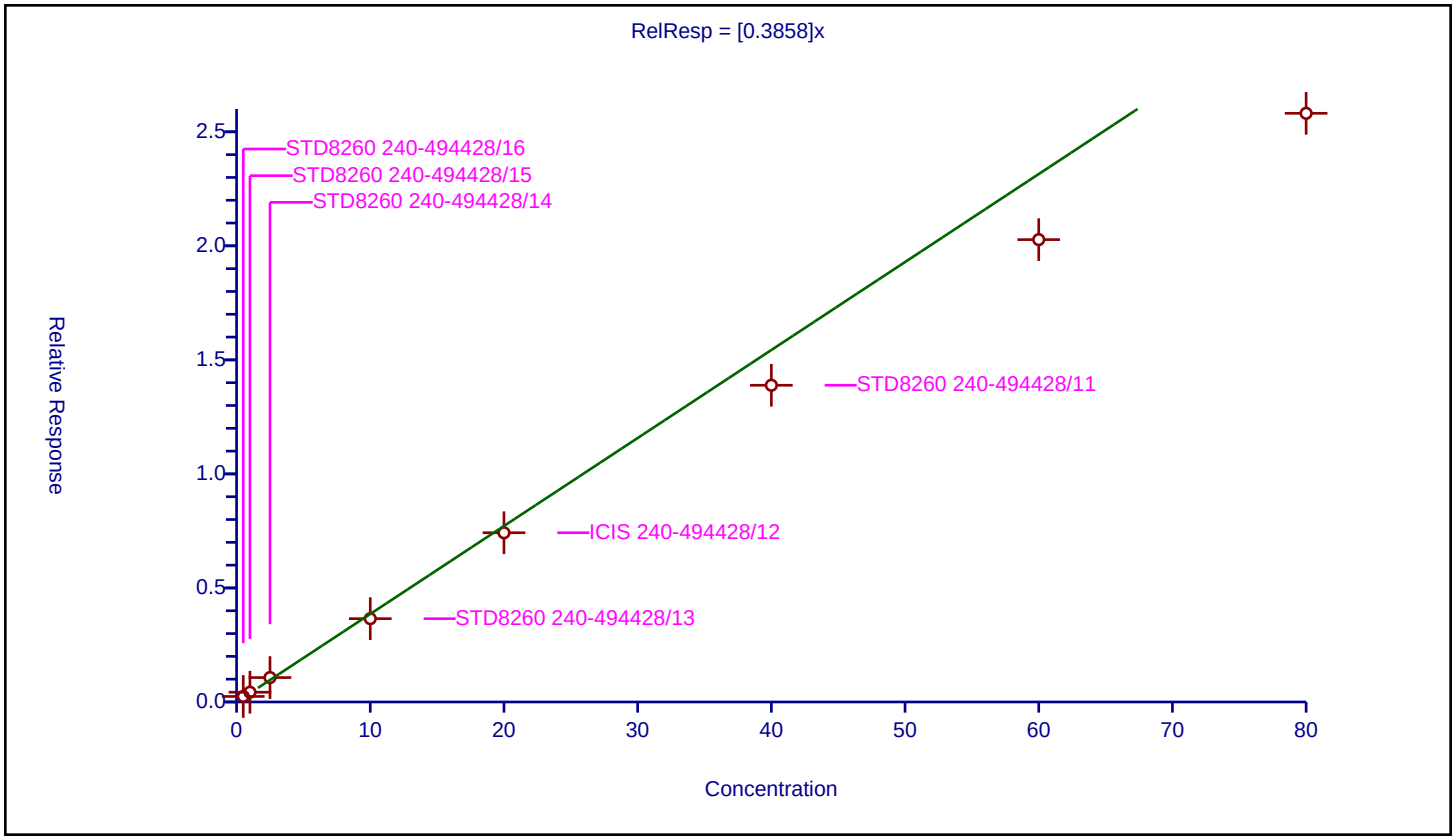
Curve Coefficients

Intercept:	0
Slope:	0.3858

Error Coefficients

Standard Error:	306000
Relative Standard Error:	14.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.968

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.243073	20.0	338746.0	0.486146	Y
2	STD8260 240-494428/15	1.0	0.428117	20.0	359902.0	0.428117	Y
3	STD8260 240-494428/14	2.5	1.070336	20.0	365941.0	0.428135	Y
4	STD8260 240-494428/13	10.0	3.653141	20.0	376372.0	0.365314	Y
5	ICIS 240-494428/12	20.0	7.420041	20.0	391669.0	0.371002	Y
6	STD8260 240-494428/11	40.0	13.887371	20.0	430777.0	0.347184	Y
7	STD8260 240-494428/10	60.0	20.27289	20.0	443695.0	0.337882	Y
8	STD8260 240-494428/9	80.0	25.811252	20.0	450261.0	0.322641	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

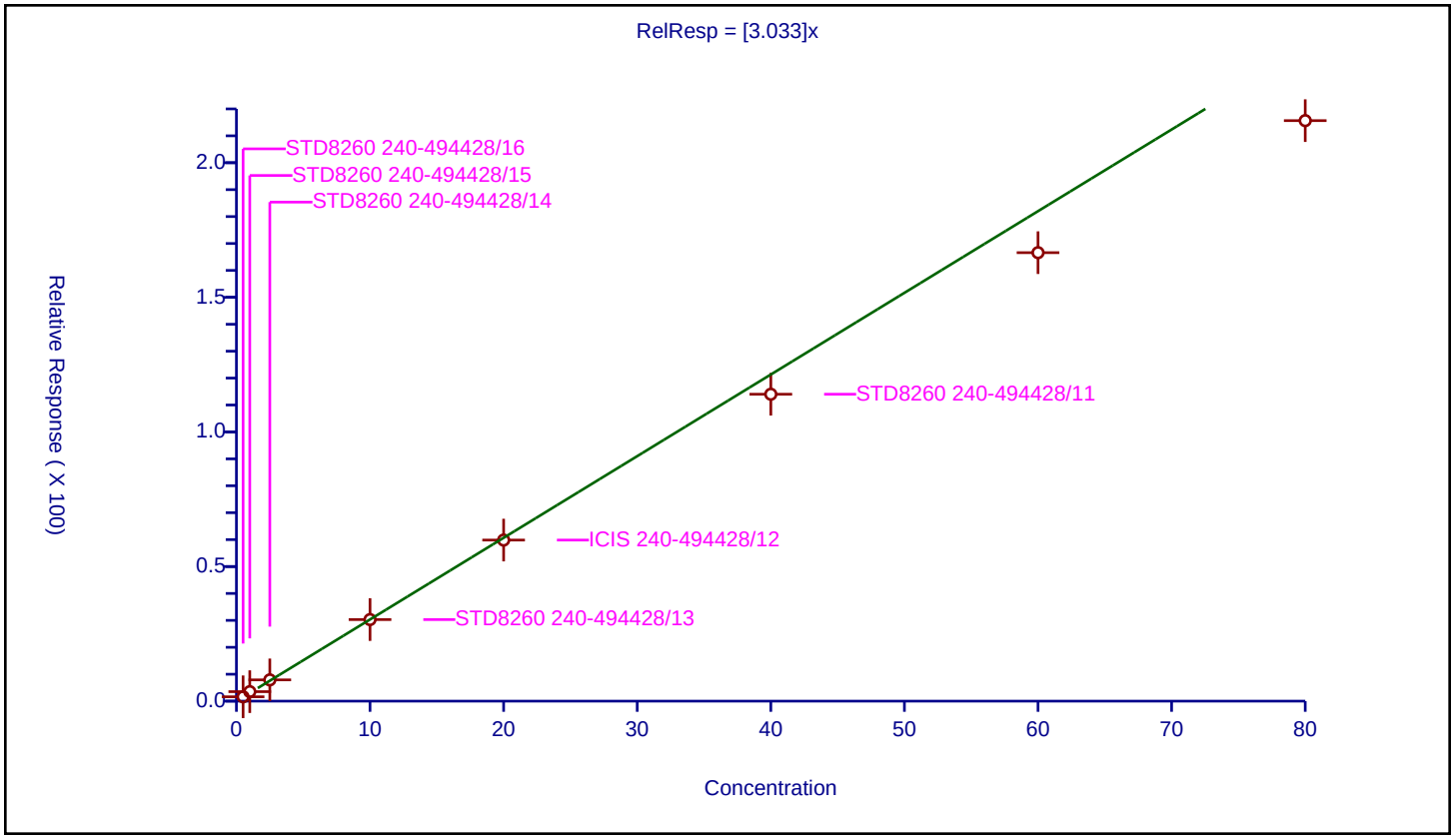
Curve Coefficients

Intercept:	0
Slope:	3.033

Error Coefficients

Standard Error:	2530000
Relative Standard Error:	9.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	1.617082	20.0	338746.0	3.234164	Y
2	STD8260 240-494428/15	1.0	3.530128	20.0	359902.0	3.530128	Y
3	STD8260 240-494428/14	2.5	7.898432	20.0	365941.0	3.159373	Y
4	STD8260 240-494428/13	10.0	30.296621	20.0	376372.0	3.029662	Y
5	ICIS 240-494428/12	20.0	59.827712	20.0	391669.0	2.991386	Y
6	STD8260 240-494428/11	40.0	114.007619	20.0	430777.0	2.85019	Y
7	STD8260 240-494428/10	60.0	166.593043	20.0	443695.0	2.776551	Y
8	STD8260 240-494428/9	80.0	215.632578	20.0	450261.0	2.695407	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

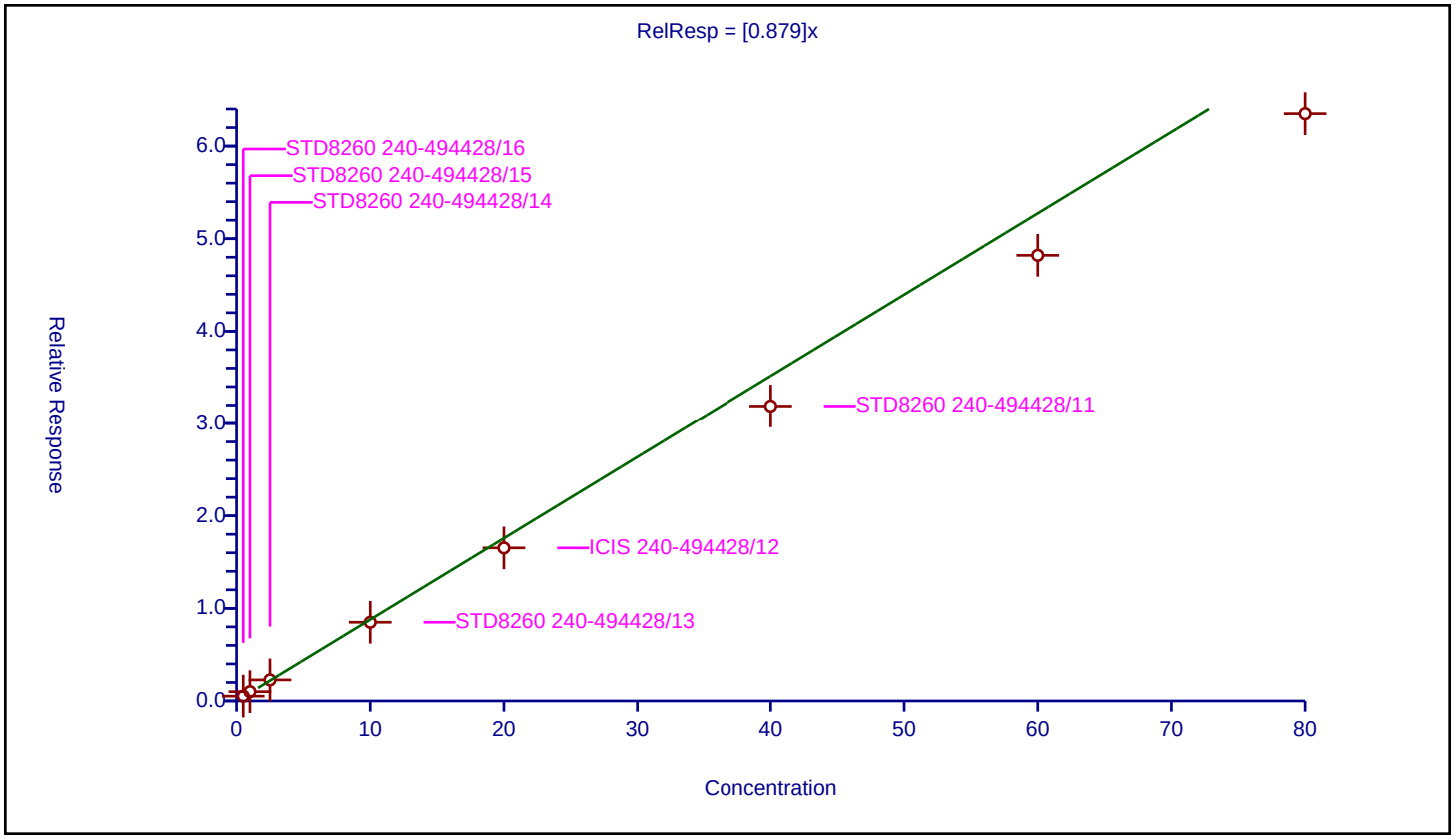
Curve Coefficients

Intercept:	0
Slope:	0.879

Error Coefficients

Standard Error:	736000
Relative Standard Error:	11.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-494428/16	0.5	0.521866	20.0	338746.0	1.043732	Y
2	STD8260 240-494428/15	1.0	1.007052	20.0	359902.0	1.007052	Y
3	STD8260 240-494428/14	2.5	2.275176	20.0	365941.0	0.91007	Y
4	STD8260 240-494428/13	10.0	8.498241	20.0	376372.0	0.849824	Y
5	ICIS 240-494428/12	20.0	16.532072	20.0	391669.0	0.826604	Y
6	STD8260 240-494428/11	40.0	31.897525	20.0	430777.0	0.797438	Y
7	STD8260 240-494428/10	60.0	48.207485	20.0	443695.0	0.803458	Y
8	STD8260 240-494428/9	80.0	63.501702	20.0	450261.0	0.793771	Y



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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 494648

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/12/2021 19:46 Calibration End Date: 07/12/2021 21:37 Calibration ID: 61927

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-494648/16	U1922980.d
Level 2	STDA9 240-494648/15	U1922979.d
Level 3	STDA9 240-494648/14	U1922978.d
Level 4	STDA9 240-494648/13	U1922977.d
Level 5	STDA9 240-494648/12	U1922976.d
Level 6	STDA9 240-494648/11	U1922975.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetonitrile	+++++ 0.0528	0.0688	0.0470	0.0517	0.0537	Ave		0.0548				15.0		20.0			
Diisopropyl ether	0.1939 0.2136	0.2224	0.2172	0.2170	0.2232	Ave		0.2146				5.0		20.0			
2-Chloro-1,3-butadiene	0.4141 0.4207	0.3967	0.4169	0.4268	0.4325	Ave		0.4180				3.0		20.0			
Ethyl-t-butyl ether (ETBE)	0.7377 0.7420	0.7374	0.7541	0.7528	0.7670	Ave		0.7485				1.6		20.0			
Ethyl acetate	0.4062 0.3718	0.3697	0.3535	0.3691	0.3713	Ave		0.3736				4.7		20.0			
Propionitrile	0.0689 0.0664	0.0699	0.0624	0.0616	0.0647	Ave		0.0657				5.2		20.0			
Methacrylonitrile	0.2112 0.2383	0.2134	0.2202	0.2282	0.2375	Ave		0.2248				5.2		20.0			
Tert-amyl-methyl ether (TAME)	0.7671 0.8401	0.8054	0.8211	0.8155	0.8383	Ave		0.8146				3.3		20.0			
n-Butanol	0.0172 0.0180	0.0158	0.0162	0.0171	0.0177	Ave		0.0170				5.1		20.0			
Ethyl acrylate	0.4357 0.4493	0.4011	0.4118	0.4471	0.4376	Ave		0.4304				4.5		20.0			
Methyl methacrylate	0.3082 0.2926	0.2830	0.2667	0.2813	0.2837	Ave		0.2859				4.8		20.0			
2-Nitropropane	0.1433 0.1217	0.1419	0.1099	0.1164	0.1179	Ave		0.1252				11.2		20.0			
n-Butyl acetate	0.6692 0.6623	0.6784	0.6371	0.6613	0.6703	Ave		0.6631				2.1		20.0			
1-Chlorohexane	0.4928 0.4549	0.4179	0.4076	0.4401	0.4436	Ave		0.4428				6.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 494648

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/12/2021 19:46 Calibration End Date: 07/12/2021 21:37 Calibration ID: 61927

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Cyclohexanone	0.0252 0.0228	0.0261	0.0210	0.0212	0.0230	Ave		0.0232				8.9		20.0			
Pentachloroethane	0.3371 0.4309	0.3497	0.3866	0.3969	0.4376	Ave		0.3898				10.5		20.0			
1,2,3-Trimethylbenzene	2.2757 2.2841	2.4947	2.2013	2.2878	2.4137	Ave		2.3262				4.6		20.0			
Benzyl chloride	1.4835 1.8514	1.5303	1.5416	1.6913	1.8747	Ave		1.6621				10.3		20.0			
1,3,5-Trichlorobenzene	1.0794 0.9214	1.2012	0.9177	0.9130	0.9763	Ave		1.0015				11.6		20.0			
2-Methylnaphthalene	+++++ 1.5935	2.5986	1.6328	1.6307	1.7184	Lin1	1.8986	1.6094				4.5			0.9990		0.9900
1-Methylnaphthalene	+++++ 1.4475	2.3547	1.4972	1.5044	1.5779	Lin1	1.7365	1.4701				4.4			0.9980		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 494648

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/12/2021 19:46 Calibration End Date: 07/12/2021 21:37 Calibration ID: 61927

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-494648/16	U1922980.d
Level 2	STDA9 240-494648/15	U1922979.d
Level 3	STDA9 240-494648/14	U1922978.d
Level 4	STDA9 240-494648/13	U1922977.d
Level 5	STDA9 240-494648/12	U1922976.d
Level 6	STDA9 240-494648/11	U1922975.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Acetonitrile	FB	Ave	+++++ 1892260	27928	193073	452665	940493	+++++ 800	10.0	100	200	400
Diisopropyl ether	FB	Ave	3914 765294	9028	89204	189987	390977	0.500 80.0	1.00	10.0	20.0	40.0
2-Chloro-1,3-butadiene	FB	Ave	8357 1507334	16101	171222	373757	757691	0.500 80.0	1.00	10.0	20.0	40.0
Ethyl-t-butyl ether (ETBE)	FB	Ave	14889 2658776	29929	309700	659257	1343618	0.500 80.0	1.00	10.0	20.0	40.0
Ethyl acetate	FB	Ave	16398 2664348	30007	290333	646445	1300818	1.00 160	2.00	20.0	40.0	80.0
Propionitrile	FB	Ave	13914 2380242	28380	256258	539656	1132894	5.00 800	10.0	100	200	400
Methacrylonitrile	FB	Ave	42619 8538613	86627	904309	1998440	4160224	5.00 800	10.0	100	200	400
Tert-amyl-methyl ether (TAME)	FB	Ave	15483 3010174	32687	337193	714172	1468509	0.500 80.0	1.00	10.0	20.0	40.0
n-Butanol	FB	Ave	8667 1615245	15989	166800	374151	774826	12.5 2000	25.0	250	500	1000
Ethyl acrylate	FB	Ave	8793 1609700	16281	169135	391546	766580	0.500 80.0	1.00	10.0	20.0	40.0
Methyl methacrylate	FB	Ave	12439 2096959	22970	219082	492679	993833	1.00 160	2.00	20.0	40.0	80.0
2-Nitropropane	FB	Ave	5785 872268	11519	90279	203868	413028	1.00 160	2.00	20.0	40.0	80.0
n-Butyl acetate	CBNZ d5	Ave	10647 1862894	21225	203762	460431	909867	0.500 80.0	1.00	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.: 240-152946-1 Analy Batch No.: 494648

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/12/2021 19:46 Calibration End Date: 07/12/2021 21:37 Calibration ID: 61927

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1-Chlorohexane	CBNZ d5	Ave	7841 1279476	13075	130376	306384	602246	0.500 80.0	1.00	10.0	20.0	40.0
Cyclohexanone	CBNZ d5	Ave	4006 641688	8158	67284	147369	311860	5.00 800	10.0	100	200	400
Pentachloroethane	DCBd 4	Ave	5772 1339599	11728	134050	295278	632515	1.00 160	2.00	20.0	40.0	80.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	19481 3550365	41839	381604	850930	1744372	0.500 80.0	1.00	10.0	20.0	40.0
Benzyl chloride	DCBd 4	Ave	12700 2877800	25665	267242	629061	1354824	0.500 80.0	1.00	10.0	20.0	40.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	9240 1432164	20146	159093	339585	705564	0.500 80.0	1.00	10.0	20.0	40.0
2-Methylnaphthalene	DCBd 4	Lin1	+++++ 4953882	87162	566126	1213026	2483816	+++++ 160	2.00	20.0	40.0	80.0
1-Methylnaphthalene	DCBd 4	Lin1	+++++ 4499985	78981	519111	1119084	2280713	+++++ 160	2.00	20.0	40.0	80.0

Curve Type Legend
Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 494648

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/12/2021 19:46 Calibration End Date: 07/12/2021 21:37 Calibration ID: 61927

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-494648/16	U1922980.d
Level 2	STDA9 240-494648/15	U1922979.d
Level 3	STDA9 240-494648/14	U1922978.d
Level 4	STDA9 240-494648/13	U1922977.d
Level 5	STDA9 240-494648/12	U1922976.d
Level 6	STDA9 240-494648/11	U1922975.d

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
2-Methylnaphthalene	+++++	2.5						50				
1-Methylnaphthalene	+++++	1.1						50				

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922975.d
Lims ID: stdA9 L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 12-Jul-2021 19:46:50 ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111153-011
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub13

Method: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 13-Jul-2021 14:44:30 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: laveyt Date: 12-Jul-2021 20:42:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	895768	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.464	8.452	0.012	87	703212	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	95	388597	20.0	20.0	
26 Acetonitrile	41	3.851	3.850	0.000	99	1892260	800.0	770.9	
37 Isopropyl ether	87	4.586	4.586	0.000	92	765294	80.0	79.6	
38 2-Chloro-1,3-butadiene	53	4.645	4.645	0.000	94	1507334	80.0	80.5	
39 Tert-butyl ethyl ether	59	4.870	4.870	0.000	97	2658776	80.0	79.3	
44 Ethyl acetate	43	5.025	5.024	0.000	99	2664348	160.0	159.2	
43 Propionitrile	54	5.060	5.060	0.000	99	2380242	800.0	809.3	
45 Methacrylonitrile	41	5.179	5.179	0.000	90	8538613	800.0	848.1	
56 Tert-amyl methyl ether	73	5.783	5.783	0.000	95	3010174	80.0	82.5	
58 n-Butanol	56	6.068	6.068	0.000	87	1615245	2000.0	2121.5	
60 Ethyl acrylate	55	6.234	6.234	0.000	99	1609700	80.0	83.5	
63 Methyl methacrylate	41	6.424	6.424	0.000	88	2096959	160.0	163.8	
67 2-Nitropropane	41	6.791	6.791	0.000	99	872268	160.0	155.6	
78 n-Butyl acetate	43	7.835	7.835	0.000	98	1862894	80.0	79.9	
82 1-Chlorohexane	91	8.428	8.428	0.000	98	1279476	80.0	82.2	
91 Cyclohexanone	55	9.448	9.448	0.000	93	641688	800.0	786.4	
104 Pentachloroethane	167	10.219	10.219	0.000	91	1339599	160.0	176.9	
110 1,2,3-Trimethylbenzene	105	10.622	10.622	0.000	98	3550365	80.0	78.6	
111 Benzyl chloride	91	10.705	10.705	0.000	99	2877800	80.0	89.1	
115 1,3,5-Trichlorobenzene	180	11.867	11.867	0.000	97	1432164	80.0	73.6	
120 2-Methylnaphthalene	142	14.120	14.120	0.000	92	4953882	160.0	157.2	
168 1-Methylnaphthalene	142	14.381	14.369	0.012	93	4499985	160.0	156.4	
169 Isooctane	57		0.100				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_00398	Amount Added:	64.00	Units: uL

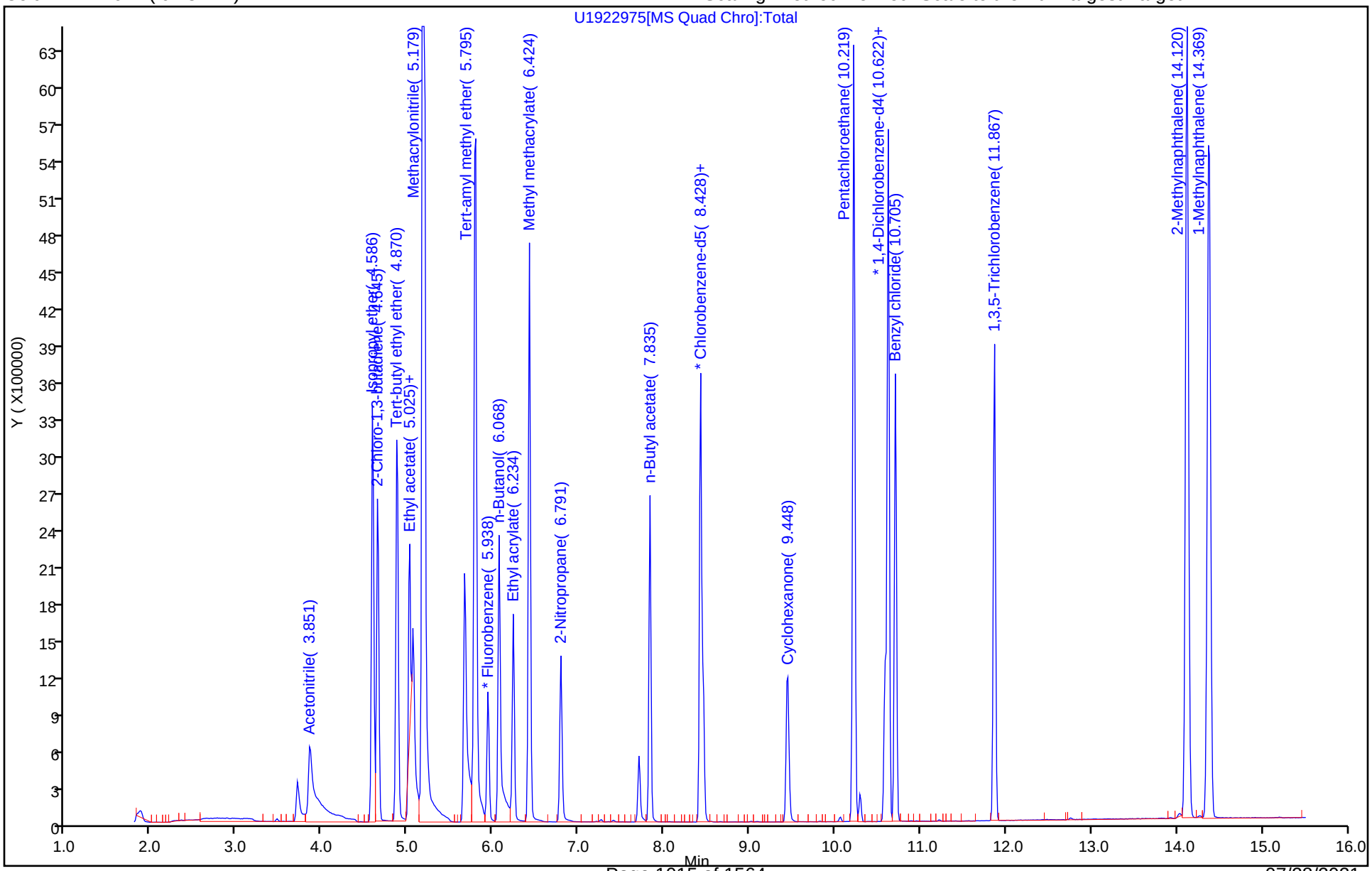
Report Date: 13-Jul-2021 14:44:31 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922975.d

Injection Date:	12-Jul-2021 19:46:50	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	stdA9 L6			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922976.d
Lims ID: stdA9 L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 12-Jul-2021 20:09:12 ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111153-012
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub13

Method: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 13-Jul-2021 14:44:33 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: laveyt Date: 12-Jul-2021 20:43:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	875867	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.463	8.452	0.011	85	678746	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	95	361349	20.0	20.0	
26 Acetonitrile	41	3.862	3.850	0.012	99	940493	400.0	391.9	
37 Isopropyl ether	87	4.598	4.586	0.012	93	390977	40.0	41.6	
38 2-Chloro-1,3-butadiene	53	4.657	4.645	0.012	93	757691	40.0	41.4	
39 Tert-butyl ethyl ether	59	4.882	4.870	0.012	97	1343618	40.0	41.0	
44 Ethyl acetate	43	5.024	5.024	0.000	99	1300818	80.0	79.5	
43 Propionitrile	54	5.060	5.060	0.000	99	1132894	400.0	394.0	
45 Methacrylonitrile	41	5.190	5.179	0.011	91	4160224	400.0	422.6	
56 Tert-amyl methyl ether	73	5.795	5.783	0.012	90	1468509	40.0	41.2	
58 n-Butanol	56	6.068	6.068	0.000	88	774826	1000.0	1040.8	
60 Ethyl acrylate	55	6.234	6.234	0.000	99	766580	40.0	40.7	
63 Methyl methacrylate	41	6.424	6.424	0.000	88	993833	80.0	79.4	
67 2-Nitropropane	41	6.791	6.791	0.000	99	413028	80.0	75.3	
78 n-Butyl acetate	43	7.835	7.835	0.000	98	909867	40.0	40.4	
82 1-Chlorohexane	91	8.428	8.428	0.000	96	602246	40.0	40.1	
91 Cyclohexanone	55	9.448	9.448	0.000	93	311860	400.0	396.0	
104 Pentachloroethane	167	10.219	10.219	0.000	90	632515	80.0	89.8	
110 1,2,3-Trimethylbenzene	105	10.622	10.622	0.000	98	1744372	40.0	41.5	
111 Benzyl chloride	91	10.705	10.705	0.000	99	1354824	40.0	45.1	
115 1,3,5-Trichlorobenzene	180	11.867	11.867	0.000	97	705564	40.0	39.0	
120 2-Methylnaphthalene	142	14.120	14.120	0.000	92	2483816	80.0	84.2	
168 1-Methylnaphthalene	142	14.381	14.369	0.012	93	2280713	80.0	84.7	
169 Isooctane	57		0.100				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_00398	Amount Added:	32.00	Units: uL

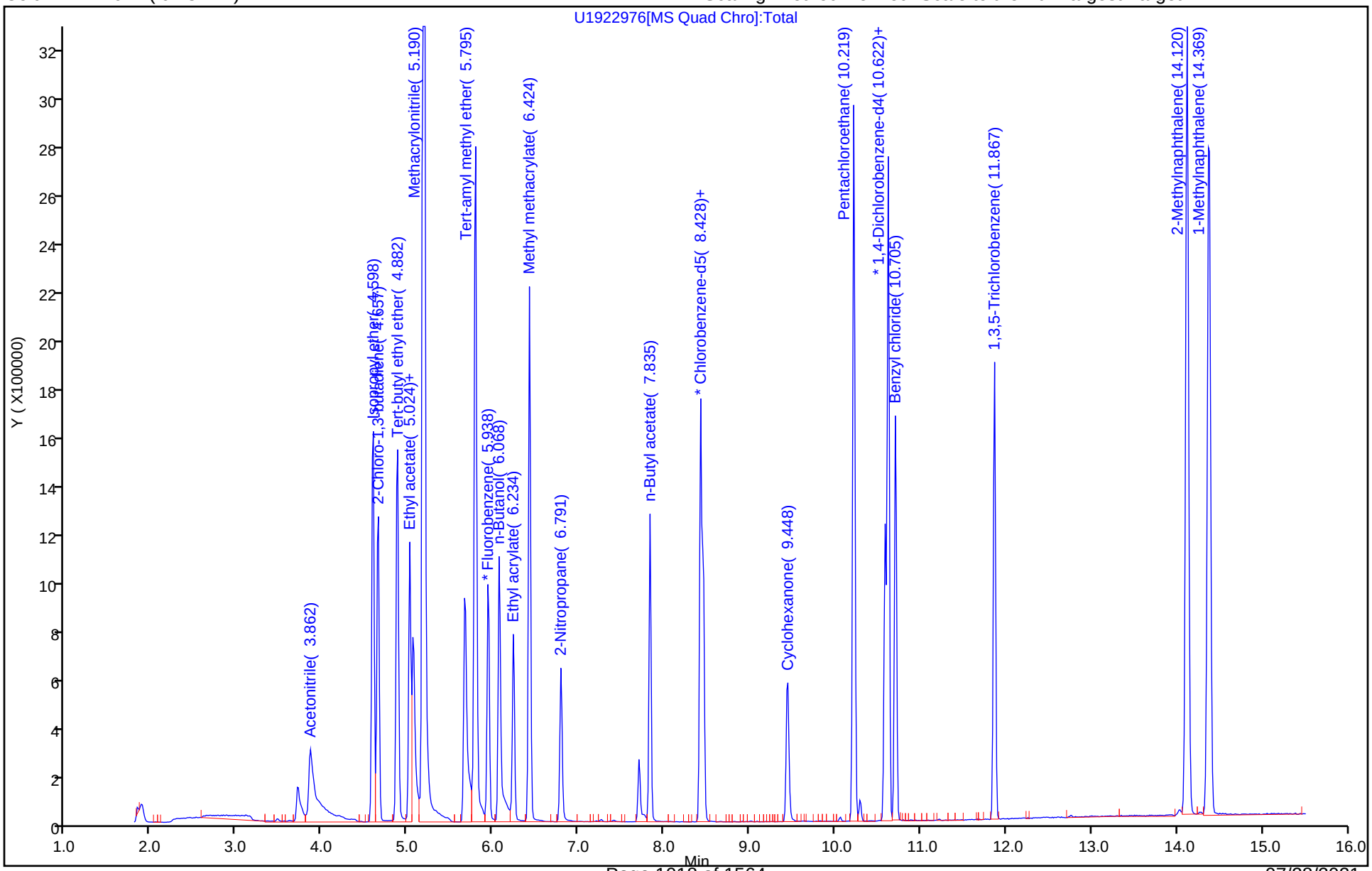
Report Date: 13-Jul-2021 14:44:34 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922976.d

Injection Date:	12-Jul-2021 20:09:12	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	stdA9 L5			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922977.d
Lims ID: stdA9 L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 12-Jul-2021 20:31:31 ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111153-013
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub13

Method: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 13-Jul-2021 14:44:36 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: laveyt Date: 12-Jul-2021 20:59:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	875714	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.452	8.452	0.000	86	696214	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	94	371939	20.0	20.0	
26 Acetonitrile	41	3.850	3.850	0.000	99	452665	200.0	188.6	
37 Isopropyl ether	87	4.586	4.586	0.000	92	189987	20.0	20.2	
38 2-Chloro-1,3-butadiene	53	4.645	4.645	0.000	93	373757	20.0	20.4	
39 Tert-butyl ethyl ether	59	4.870	4.870	0.000	98	659257	20.0	20.1	
44 Ethyl acetate	43	5.024	5.024	0.000	99	646445	40.0	39.5	
43 Propionitrile	54	5.060	5.060	0.000	98	539656	200.0	187.7	
45 Methacrylonitrile	41	5.179	5.179	0.000	92	1998440	200.0	203.0	
56 Tert-amyl methyl ether	73	5.783	5.783	0.000	90	714172	20.0	20.0	
58 n-Butanol	56	6.068	6.068	0.000	87	374151	500.0	502.7	
60 Ethyl acrylate	55	6.234	6.234	0.000	99	391546	20.0	20.8	
63 Methyl methacrylate	41	6.424	6.424	0.000	89	492679	40.0	39.4	
67 2-Nitropropane	41	6.791	6.791	0.000	100	203868	40.0	37.2	
78 n-Butyl acetate	43	7.835	7.835	0.000	98	460431	20.0	19.9	
82 1-Chlorohexane	91	8.428	8.428	0.000	96	306384	20.0	19.9	
91 Cyclohexanone	55	9.448	9.448	0.000	92	147369	200.0	182.4	
104 Pentachloroethane	167	10.219	10.219	0.000	90	295278	40.0	40.7	
110 1,2,3-Trimethylbenzene	105	10.622	10.622	0.000	98	850930	20.0	19.7	
111 Benzyl chloride	91	10.705	10.705	0.000	99	629061	20.0	20.4	
115 1,3,5-Trichlorobenzene	180	11.867	11.867	0.000	97	339585	20.0	18.2	
120 2-Methylnaphthalene	142	14.120	14.120	0.000	92	1213026	40.0	39.4	
168 1-Methylnaphthalene	142	14.369	14.369	0.000	93	1119084	40.0	39.8	
169 Isooctane	57		0.100				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_00398	Amount Added:	16.00	Units: uL

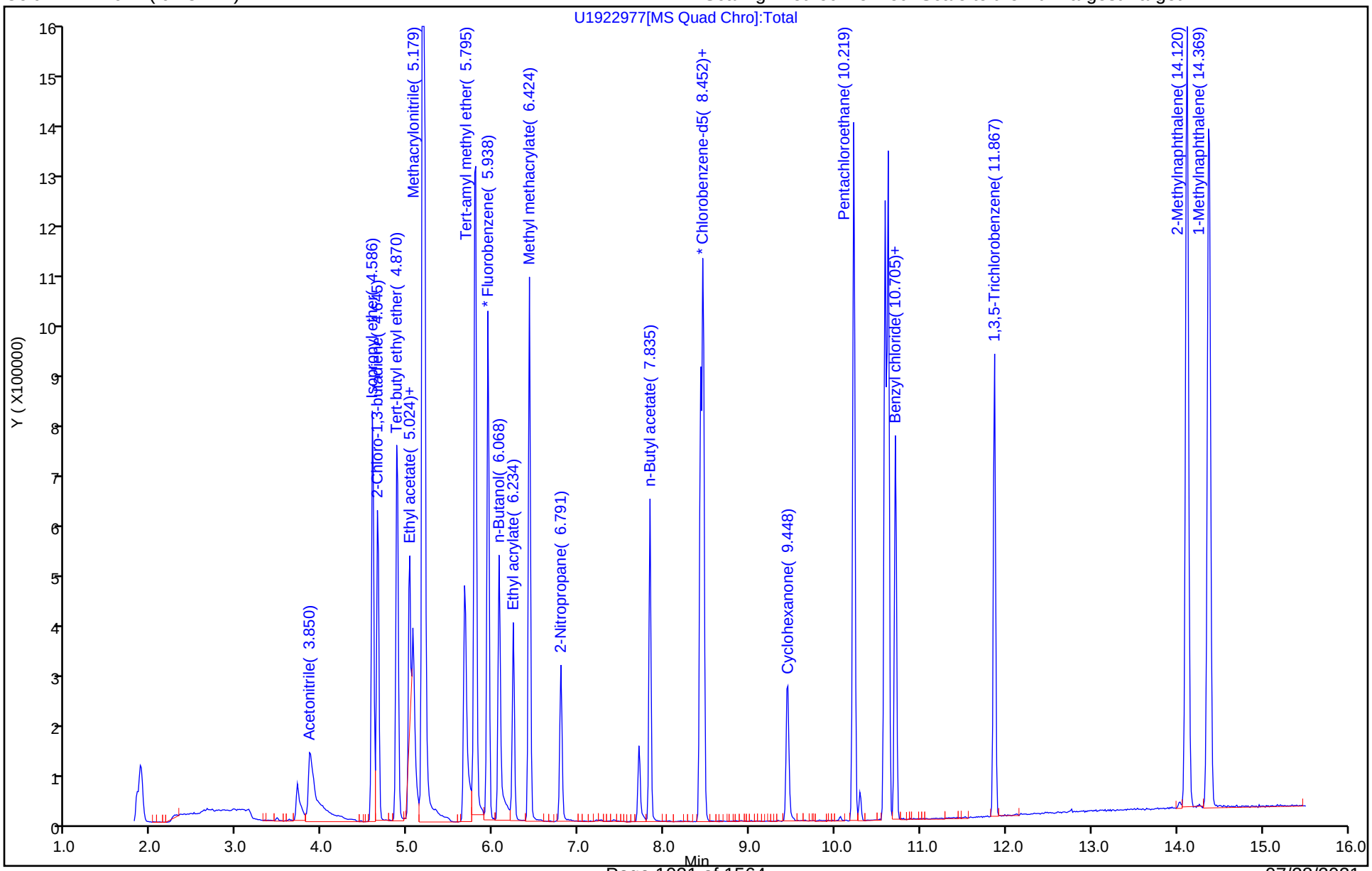
Report Date: 13-Jul-2021 14:44:37 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922977.d

Injection Date:	12-Jul-2021 20:31:31	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	stdA9 L4			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922978.d
Lims ID: stdA9 L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 12-Jul-2021 20:53:50 ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111153-014
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub13

Method: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 13-Jul-2021 14:44:38 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: laveyt Date: 12-Jul-2021 21:34:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	821357	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.464	8.452	0.012	86	639668	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	94	346713	20.0	20.0	
26 Acetonitrile	41	3.862	3.850	0.012	99	193073	100.0	85.8	
37 Isopropyl ether	87	4.598	4.586	0.012	92	89204	10.0	10.1	
38 2-Chloro-1,3-butadiene	53	4.657	4.645	0.012	94	171222	10.0	9.98	
39 Tert-butyl ethyl ether	59	4.882	4.870	0.012	97	309700	10.0	10.1	
44 Ethyl acetate	43	5.025	5.024	0.001	99	290333	20.0	18.9	
43 Propionitrile	54	5.060	5.060	0.000	99	256258	100.0	95.0	
45 Methacrylonitrile	41	5.191	5.179	0.012	91	904309	100.0	98.0	
56 Tert-amyl methyl ether	73	5.795	5.783	0.012	91	337193	10.0	10.1	
58 n-Butanol	56	6.068	6.068	0.000	88	166800	250.0	238.9	
60 Ethyl acrylate	55	6.234	6.234	0.000	99	169135	10.0	9.57	
63 Methyl methacrylate	41	6.424	6.424	0.000	90	219082	20.0	18.7	
67 2-Nitropropane	41	6.791	6.791	0.000	100	90279	20.0	17.6	
78 n-Butyl acetate	43	7.835	7.835	0.000	98	203762	10.0	9.61	
82 1-Chlorohexane	91	8.428	8.428	0.000	96	130376	10.0	9.21	
91 Cyclohexanone	55	9.448	9.448	0.000	93	67284	100.0	90.6	
104 Pentachloroethane	167	10.219	10.219	0.000	89	134050	20.0	19.8	
110 1,2,3-Trimethylbenzene	105	10.622	10.622	0.000	98	381604	10.0	9.46	
111 Benzyl chloride	91	10.705	10.705	0.000	99	267242	10.0	9.27	
115 1,3,5-Trichlorobenzene	180	11.867	11.867	0.000	97	159093	10.0	9.16	
120 2-Methylnaphthalene	142	14.120	14.120	0.000	91	566126	20.0	19.1	
168 1-Methylnaphthalene	142	14.381	14.369	0.012	93	519111	20.0	19.2	
169 Isooctane	57		0.100				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_00398	Amount Added:	8.00	Units: uL

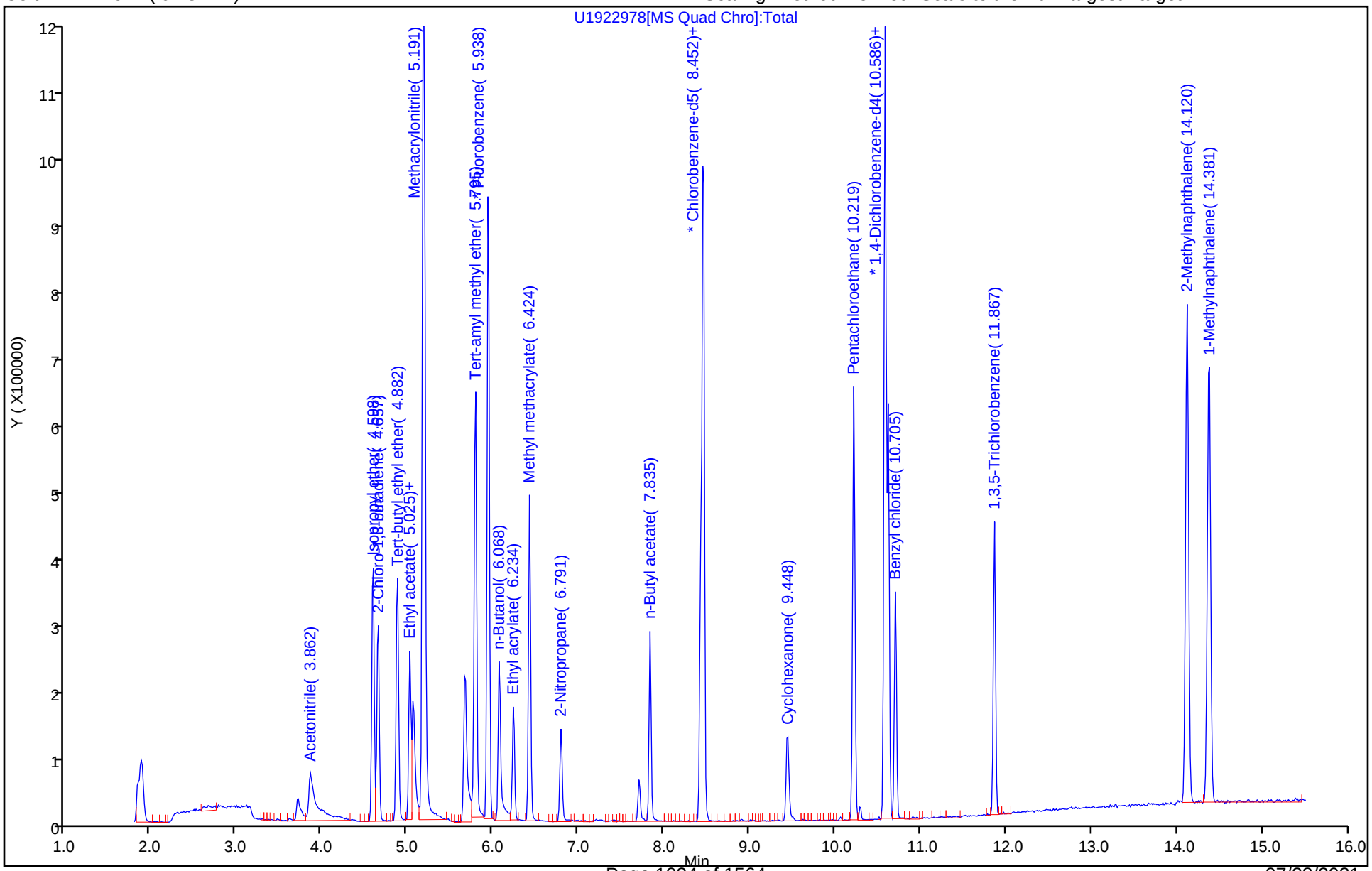
Report Date: 13-Jul-2021 14:44:39 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922978.d

Injection Date:	12-Jul-2021 20:53:50	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	stdA9 L3			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922979.d
Lims ID: stdA9 L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 12-Jul-2021 21:15:57 ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111153-015
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub13

Method: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 13-Jul-2021 14:44:40 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: laveyt Date: 12-Jul-2021 21:46:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	811730	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.464	8.452	0.012	86	625730	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	95	335418	20.0	20.0	
26 Acetonitrile	41	3.862	3.850	0.012	99	27928	10.0	12.6	
37 Isopropyl ether	87	4.586	4.586	0.000	92	9028	1.00	1.04	
38 2-Chloro-1,3-butadiene	53	4.645	4.645	0.000	94	16101	1.00	0.9492	
39 Tert-butyl ethyl ether	59	4.882	4.870	0.012	95	29929	1.00	0.9852	
44 Ethyl acetate	43	5.025	5.024	0.001	98	30007	2.00	1.98	
43 Propionitrile	54	5.060	5.060	0.000	99	28380	10.0	10.6	
45 Methacrylonitrile	41	5.179	5.179	0.000	92	86627	10.0	9.49	
56 Tert-amyl methyl ether	73	5.784	5.783	0.001	90	32687	1.00	0.9887	
58 n-Butanol	56	6.068	6.068	0.000	92	15989	25.0	23.2	
60 Ethyl acrylate	55	6.234	6.234	0.000	99	16281	1.00	0.9319	
63 Methyl methacrylate	41	6.424	6.424	0.000	91	22970	2.00	1.98	
67 2-Nitropropane	41	6.792	6.791	0.001	98	11519	2.00	2.27	
78 n-Butyl acetate	43	7.835	7.835	0.000	99	21225	1.00	1.02	
82 1-Chlorohexane	91	8.428	8.428	0.000	96	13075	1.00	0.9437	
91 Cyclohexanone	55	9.448	9.448	0.000	92	8158	10.0	11.2	
104 Pentachloroethane	167	10.219	10.219	0.000	87	11728	2.00	1.79	
110 1,2,3-Trimethylbenzene	105	10.622	10.622	0.000	98	41839	1.00	1.07	
111 Benzyl chloride	91	10.705	10.705	0.000	98	25665	1.00	0.9207	
115 1,3,5-Trichlorobenzene	180	11.867	11.867	0.000	97	20146	1.00	1.20	
120 2-Methylnaphthalene	142	14.120	14.120	0.000	92	87162	2.00	2.05	
168 1-Methylnaphthalene	142	14.381	14.369	0.012	93	78981	2.00	2.02	
169 Isooctane	57		0.100				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_00398	Amount Added:	0.80	Units: uL

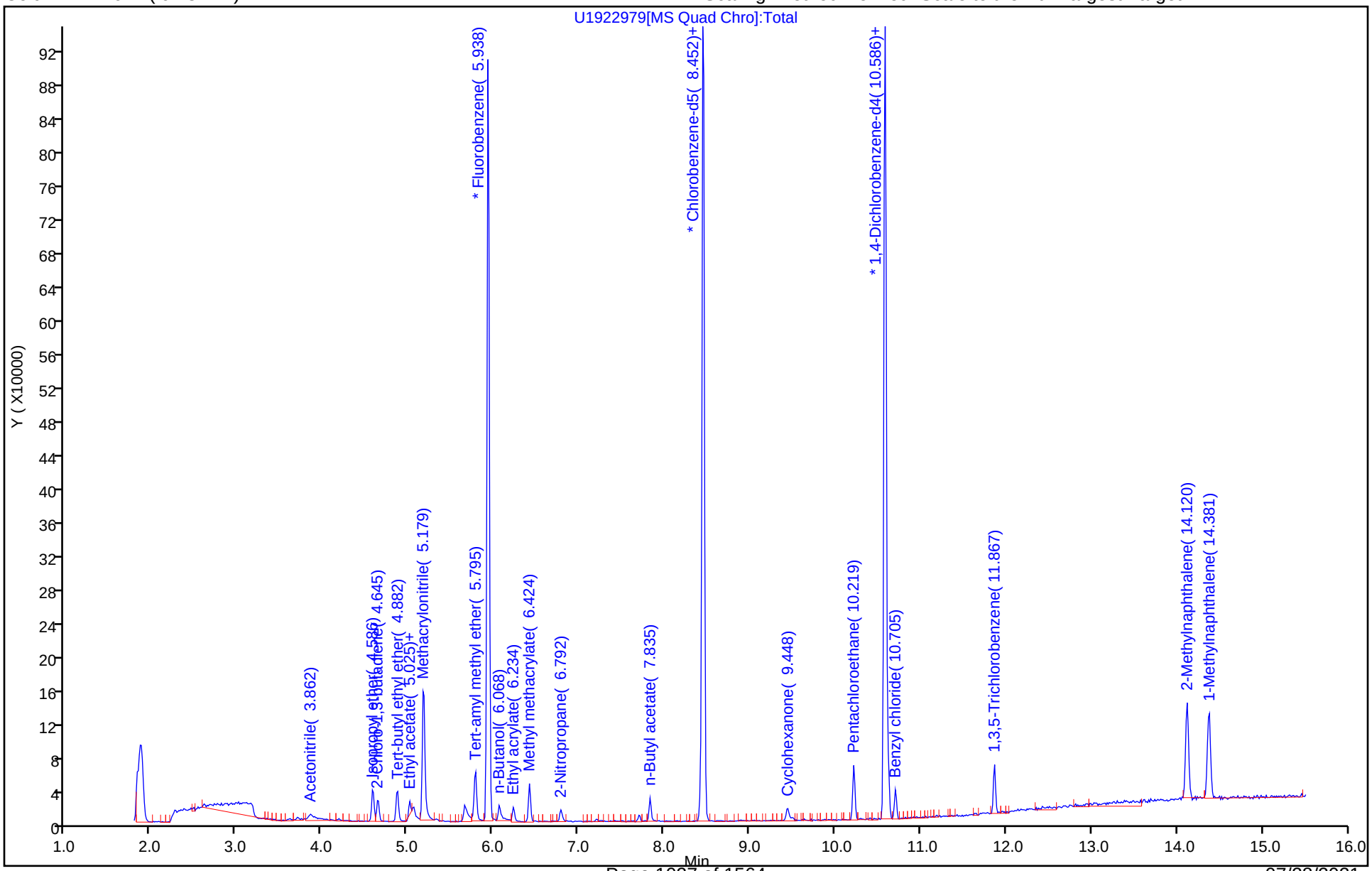
Report Date: 13-Jul-2021 14:44:41 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922979.d

Injection Date:	12-Jul-2021 21:15:57	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	stdA9 L2			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d
Lims ID: stdA9 L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 12-Jul-2021 21:37:57 ALS Bottle#: 0 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111153-016
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub13

Method: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 13-Jul-2021 14:44:42 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: laveyt Date: 12-Jul-2021 21:58:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	807312	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.463	8.452	0.011	86	636428	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	95	342424	20.0	20.0	
26 Acetonitrile	41		3.850				ND	ND	U
37 Isopropyl ether	87	4.586	4.586	0.000	92	3914	0.5000	0.4519	
38 2-Chloro-1,3-butadiene	53	4.645	4.645	0.000	94	8357	0.5000	0.4953	
39 Tert-butyl ethyl ether	59	4.870	4.870	0.000	93	14889	0.5000	0.4928	
44 Ethyl acetate	43	5.024	5.024	0.000	97	16398	1.00	1.09	
43 Propionitrile	54	5.060	5.060	0.000	96	13914	5.00	5.25	
45 Methacrylonitrile	41	5.179	5.179	0.000	91	42619	5.00	4.70	
56 Tert-amyl methyl ether	73	5.783	5.783	0.000	85	15483	0.5000	0.4709	
58 n-Butanol	56	6.080	6.068	0.012	91	8667	12.5	12.6	
60 Ethyl acrylate	55	6.234	6.234	0.000	98	8793	0.5000	0.5061	
63 Methyl methacrylate	41	6.424	6.424	0.000	87	12439	1.00	1.08	
67 2-Nitropropane	41	6.791	6.791	0.000	93	5785	1.00	1.14	
78 n-Butyl acetate	43	7.835	7.835	0.000	97	10647	0.5000	0.5046	
82 1-Chlorohexane	91	8.428	8.428	0.000	94	7841	0.5000	0.5564	
91 Cyclohexanone	55	9.448	9.448	0.000	90	4006	5.00	5.42	
104 Pentachloroethane	167	10.219	10.219	0.000	84	5772	1.00	0.8648	
110 1,2,3-Trimethylbenzene	105	10.622	10.622	0.000	95	19481	0.5000	0.4891	
111 Benzyl chloride	91	10.705	10.705	0.000	98	12700	0.5000	0.4463	
115 1,3,5-Trichlorobenzene	180	11.867	11.867	0.000	94	9240	0.5000	0.5389	
120 2-Methylnaphthalene	142		14.120				ND	ND	U
168 1-Methylnaphthalene	142		14.369				ND	ND	U
169 Isooctane	57		0.100				ND	ND	

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
vmra9w_00398	Amount Added:	0.40	Units: uL

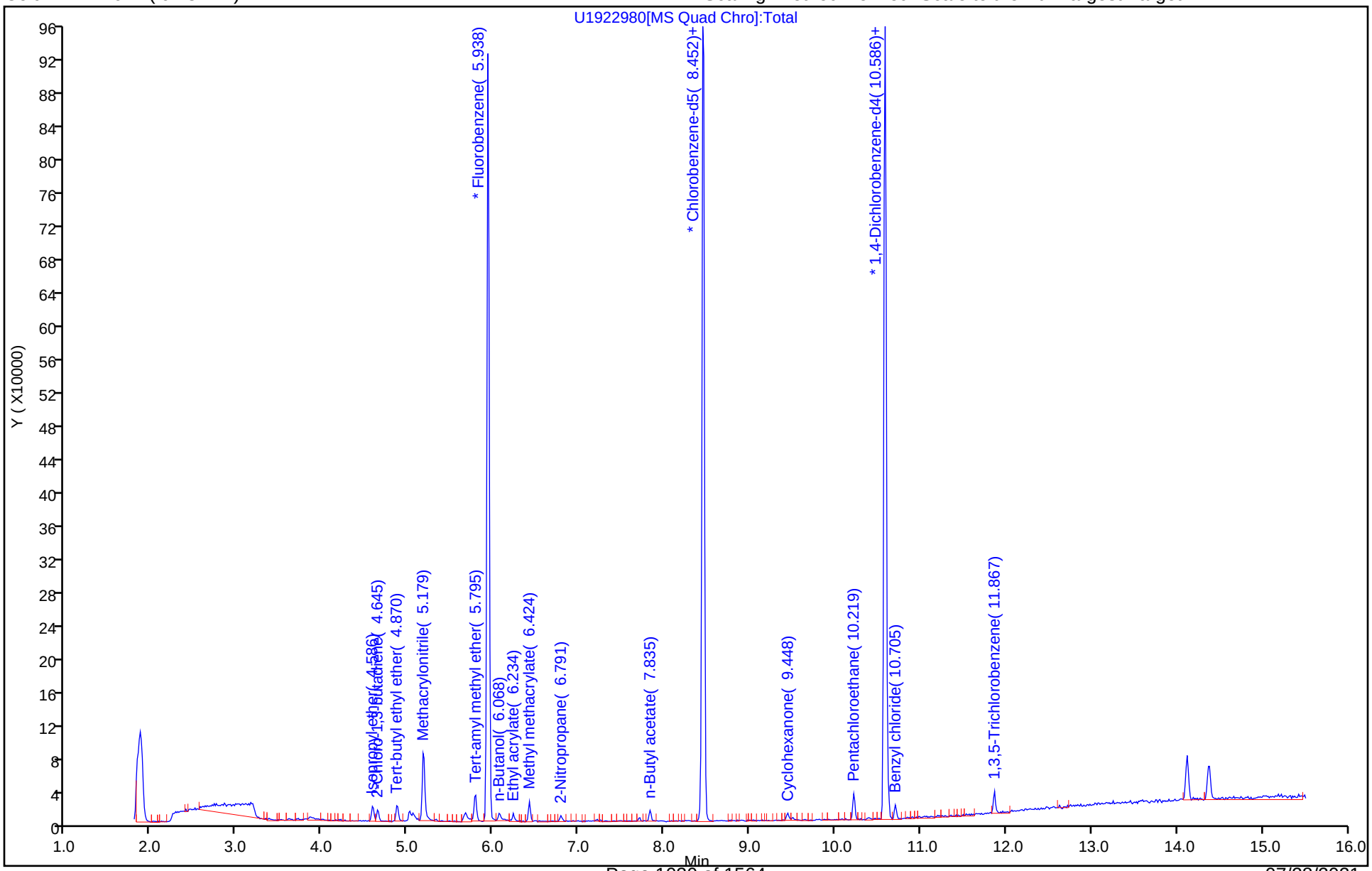
Report Date: 13-Jul-2021 14:44:44 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Injection Date:	12-Jul-2021 21:37:57	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	stdA9 L1			Worklist Smp#:	16
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



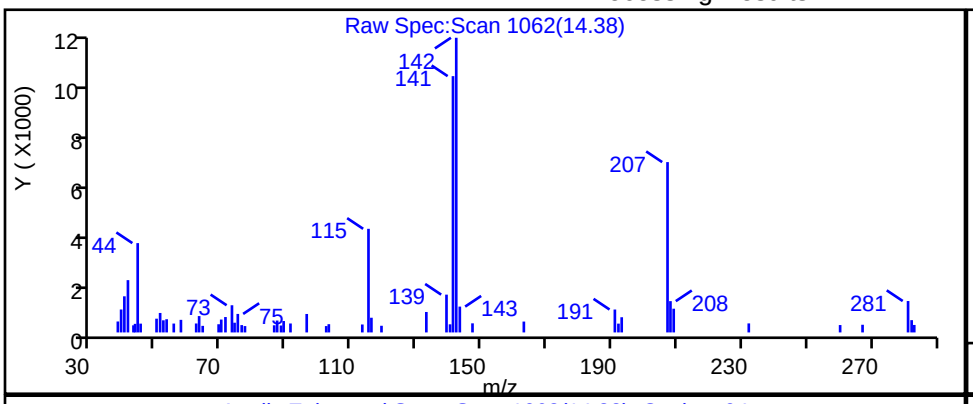
User Disabled Compound Report

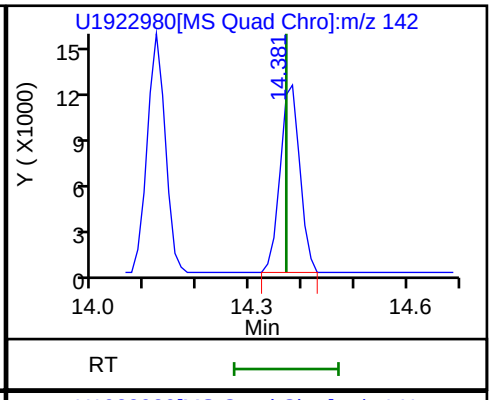
Eurofins TestAmerica, Canton

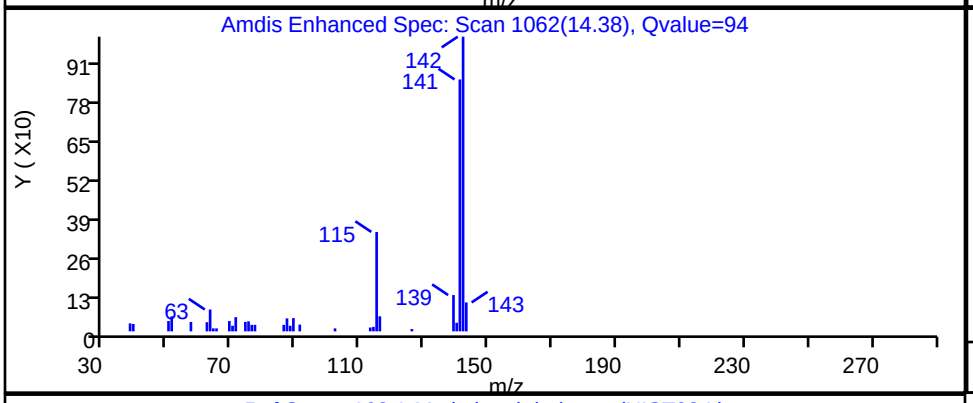
Data File:	\\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d				
Injection Date:	12-Jul-2021 21:37:57	Instrument ID:	A3UX19		
Lims ID:	stdA9 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

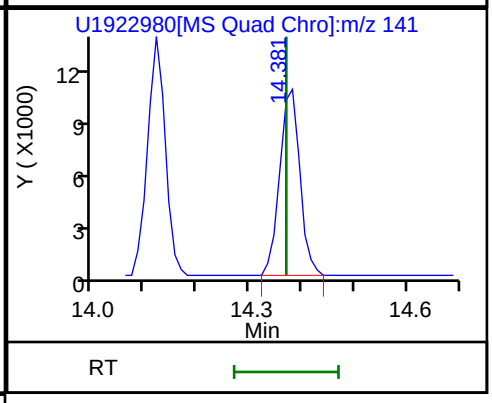
168 1-Methylnaphthalene, CAS: 90-12-0

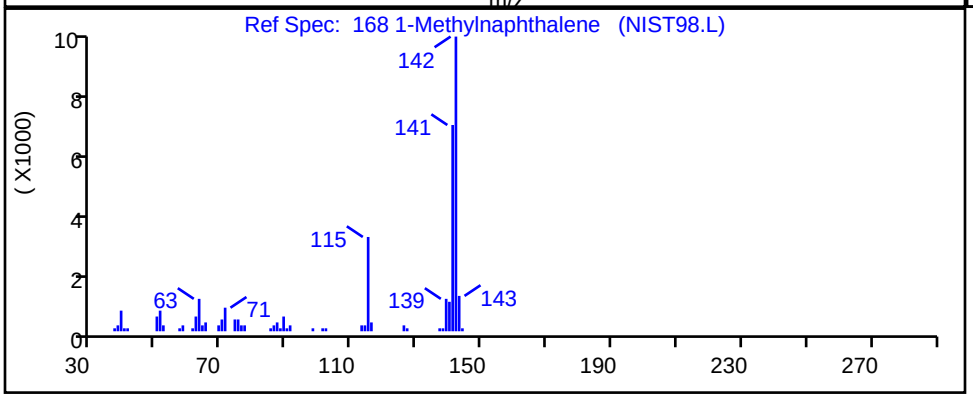
Processing Results











RT	Mass	Response	Amount
14.38	142.00	31434	0.680999
14.38	141.00	28115	

Reviewer: laveyt, 12-Jul-2021 21:58:01

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

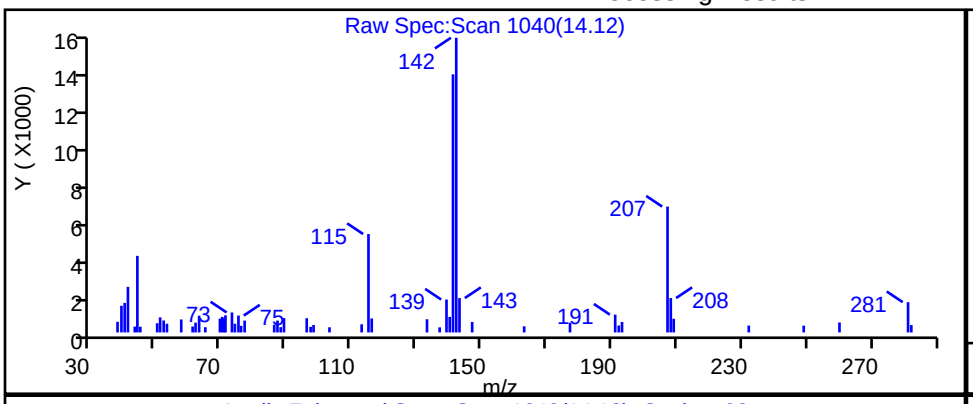
User Disabled Compound Report

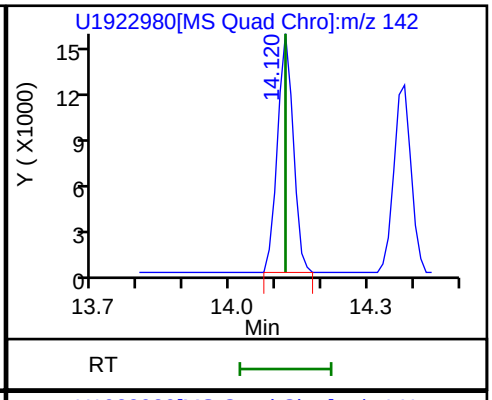
Eurofins TestAmerica, Canton

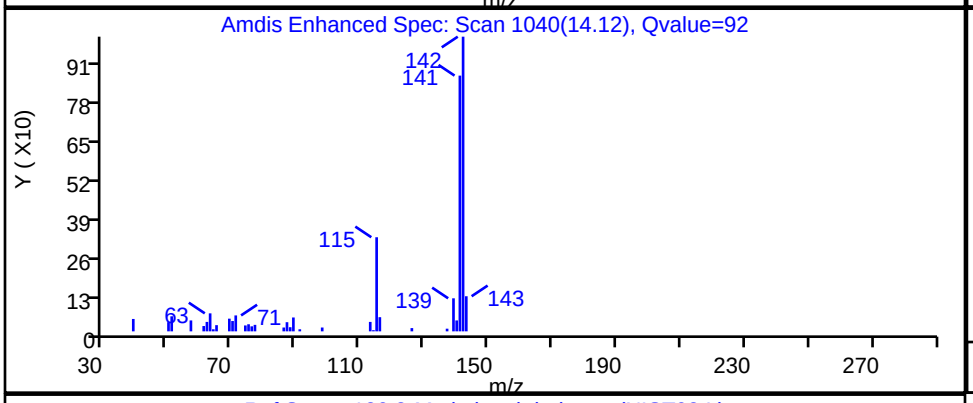
Data File:	\\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d				
Injection Date:	12-Jul-2021 21:37:57	Instrument ID:	A3UX19		
Lims ID:	stdA9 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

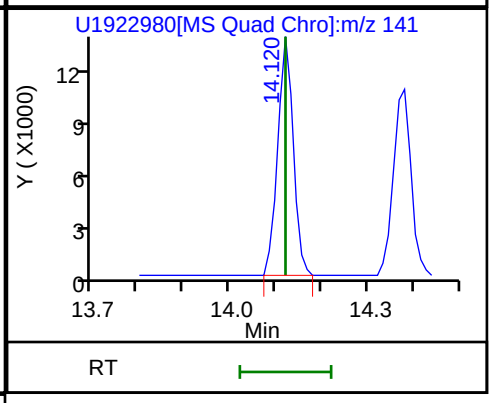
120 2-Methylnaphthalene, CAS: 91-57-6

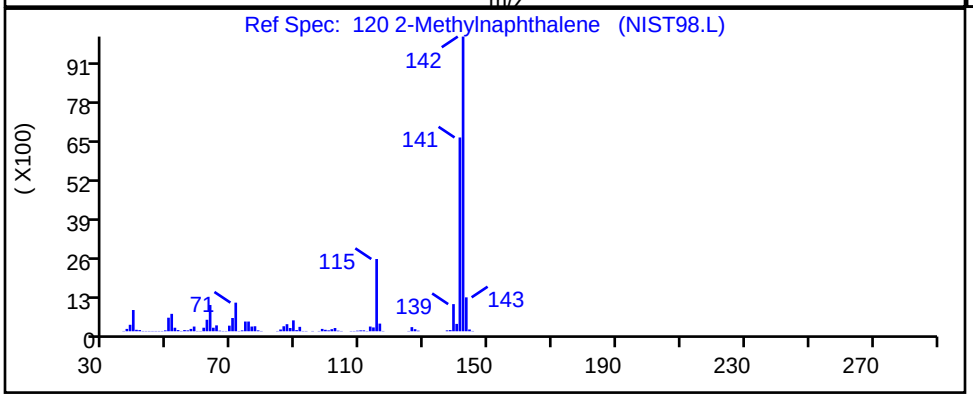
Processing Results











RT	Mass	Response	Amount
14.12	142.00	36566	0.708036
14.12	141.00	31562	

Reviewer: laveyt, 12-Jul-2021 21:57:51

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

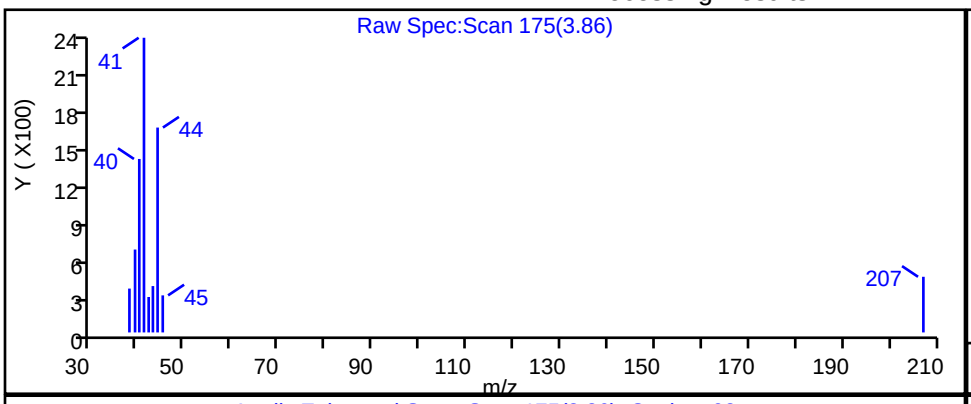
User Disabled Compound Report

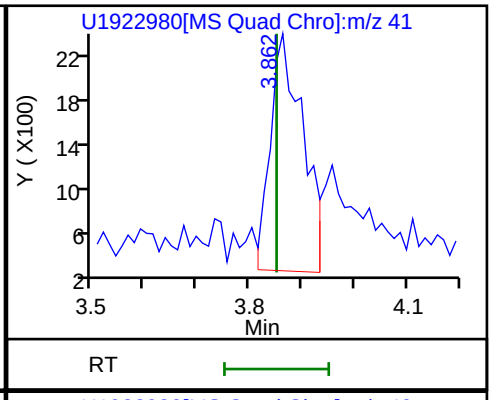
Eurofins TestAmerica, Canton

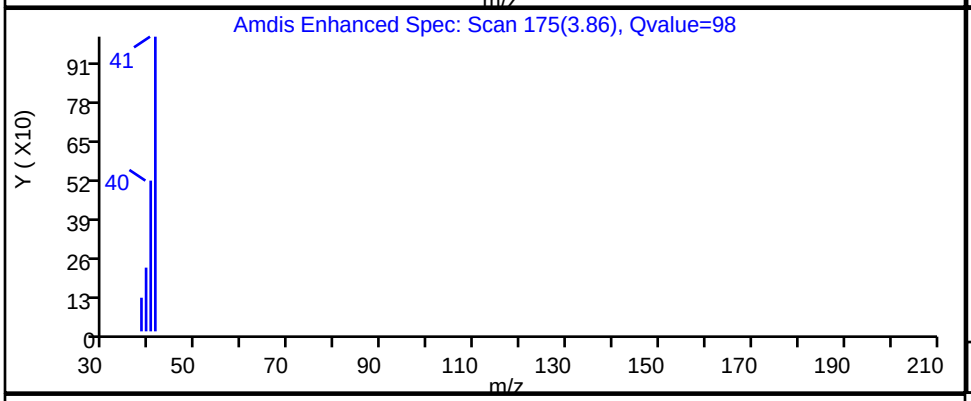
Data File:	\\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d				
Injection Date:	12-Jul-2021 21:37:57	Instrument ID:	A3UX19		
Lims ID:	stdA9 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

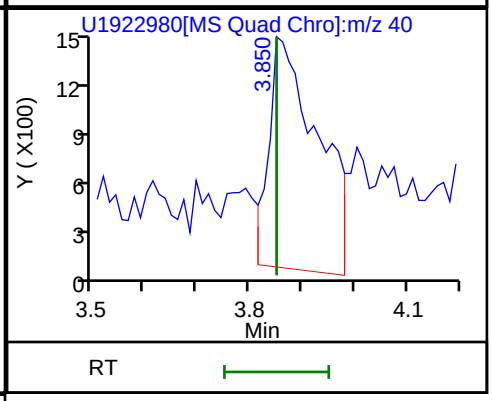
26 Acetonitrile, CAS: 75-05-8

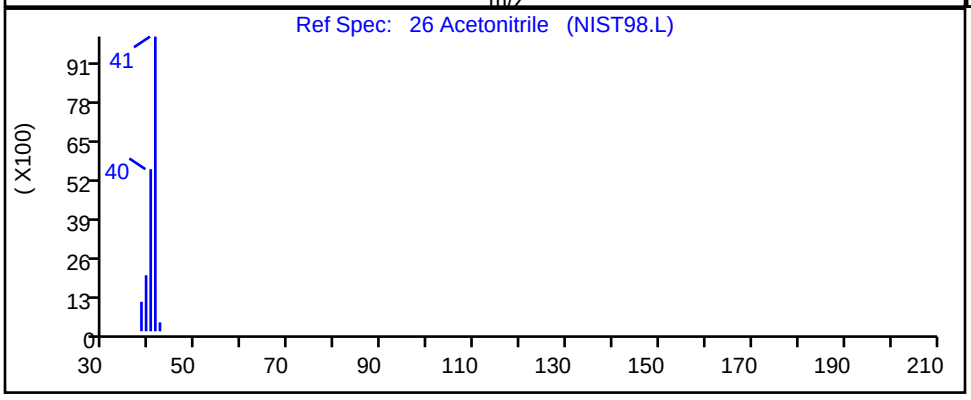
Processing Results











RT	Mass	Response	Amount
3.86	41.00	9109	4.062948
3.85	40.00	9157	

Reviewer: laveyt, 12-Jul-2021 21:56:40

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

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

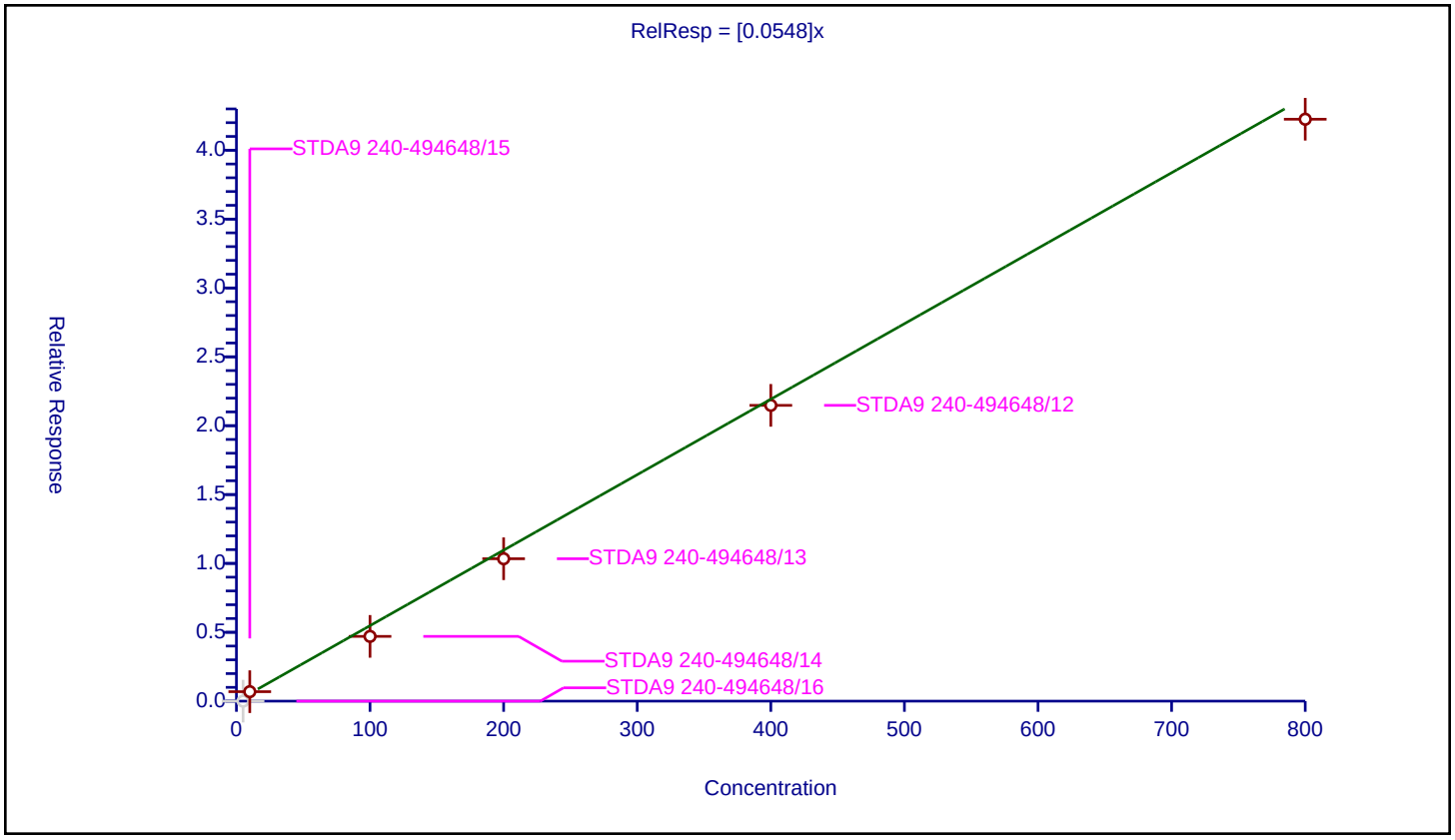
Curve Coefficients

Intercept:	0
Slope:	0.0548

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	15.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-494648/16	5.0	0.0	20.0	807312.0	0.0	N
2	STDA9 240-494648/15	10.0	0.688111	20.0	811730.0	0.068811	Y
3	STDA9 240-494648/14	100.0	4.701317	20.0	821357.0	0.047013	Y
4	STDA9 240-494648/13	200.0	10.338193	20.0	875714.0	0.051691	Y
5	STDA9 240-494648/12	400.0	21.475704	20.0	875867.0	0.053689	Y
6	STDA9 240-494648/11	800.0	42.248886	20.0	895768.0	0.052811	Y



Calibration / Isopropyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

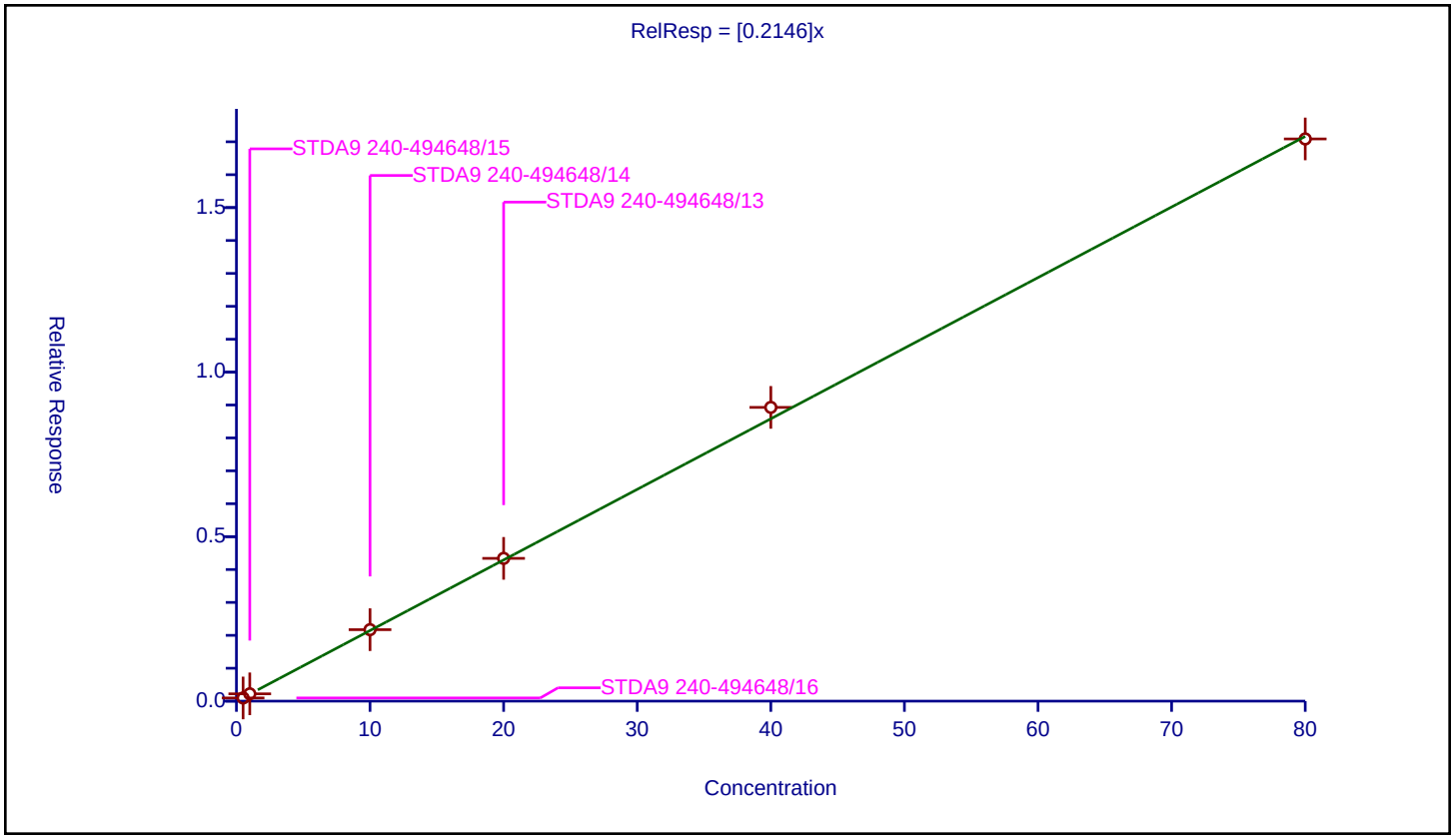
Curve Coefficients

Intercept:	0
Slope:	0.2146

Error Coefficients

Standard Error:	396000
Relative Standard Error:	5.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-494648/16	0.5	0.096964	20.0	807312.0	0.193928	Y
2	STDA9 240-494648/15	1.0	0.222438	20.0	811730.0	0.222438	Y
3	STDA9 240-494648/14	10.0	2.172113	20.0	821357.0	0.217211	Y
4	STDA9 240-494648/13	20.0	4.339019	20.0	875714.0	0.216951	Y
5	STDA9 240-494648/12	40.0	8.927771	20.0	875867.0	0.223194	Y
6	STDA9 240-494648/11	80.0	17.08688	20.0	895768.0	0.213586	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

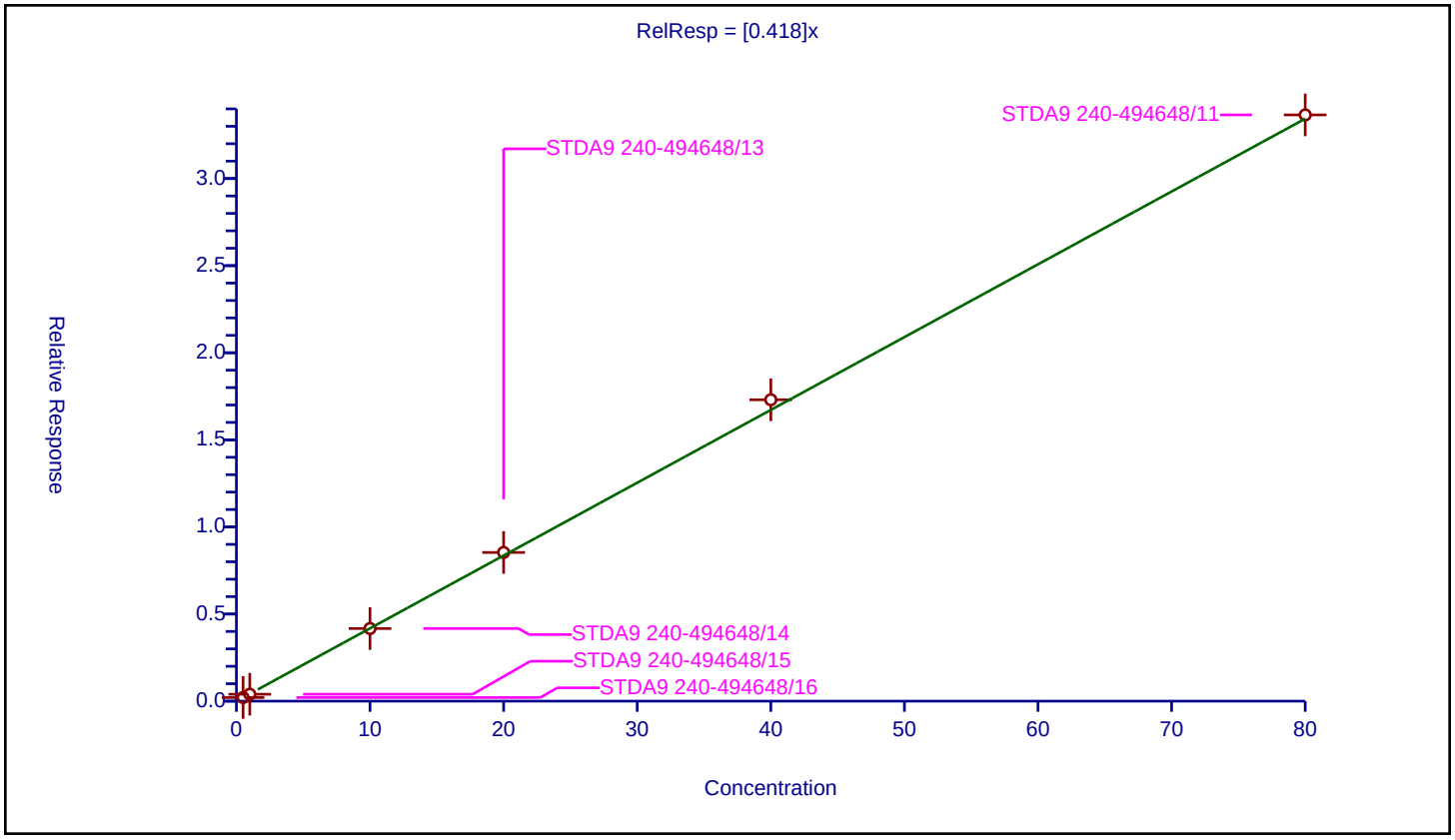
Curve Coefficients

Intercept:	0
Slope:	0.418

Error Coefficients

Standard Error:	777000
Relative Standard Error:	3.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-494648/16	0.5	0.207033	20.0	807312.0	0.414065	Y
2	STDA9 240-494648/15	1.0	0.396708	20.0	811730.0	0.396708	Y
3	STDA9 240-494648/14	10.0	4.169247	20.0	821357.0	0.416925	Y
4	STDA9 240-494648/13	20.0	8.536052	20.0	875714.0	0.426803	Y
5	STDA9 240-494648/12	40.0	17.301508	20.0	875867.0	0.432538	Y
6	STDA9 240-494648/11	80.0	33.654562	20.0	895768.0	0.420682	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

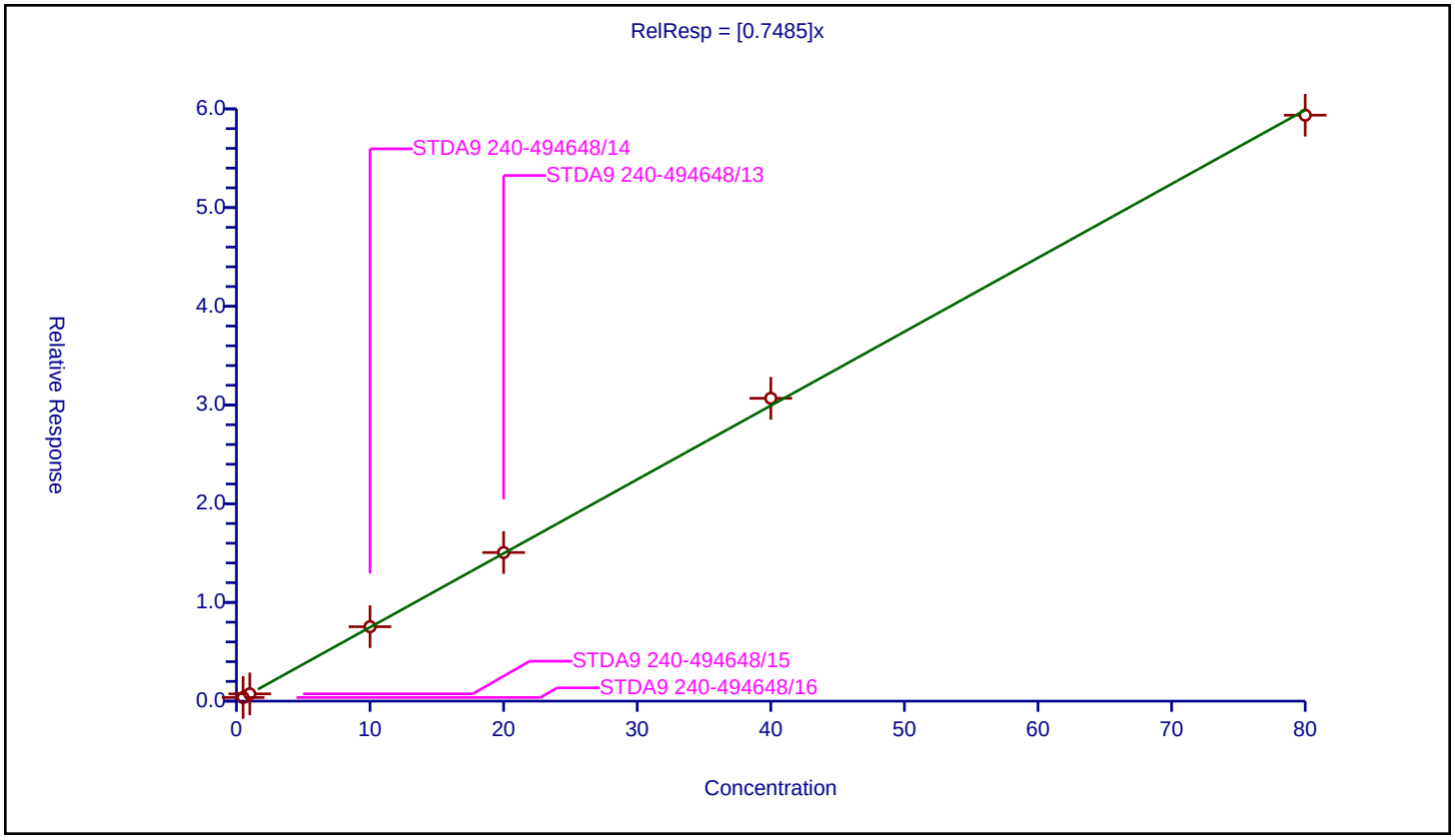
Curve Coefficients

Intercept:	0
Slope:	0.7485

Error Coefficients

Standard Error:	1370000
Relative Standard Error:	1.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-494648/16	0.5	0.368854	20.0	807312.0	0.737707	Y
2	STDA9 240-494648/15	1.0	0.737413	20.0	811730.0	0.737413	Y
3	STDA9 240-494648/14	10.0	7.541179	20.0	821357.0	0.754118	Y
4	STDA9 240-494648/13	20.0	15.056445	20.0	875714.0	0.752822	Y
5	STDA9 240-494648/12	40.0	30.680868	20.0	875867.0	0.767022	Y
6	STDA9 240-494648/11	80.0	59.363049	20.0	895768.0	0.742038	Y



Calibration / Ethyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

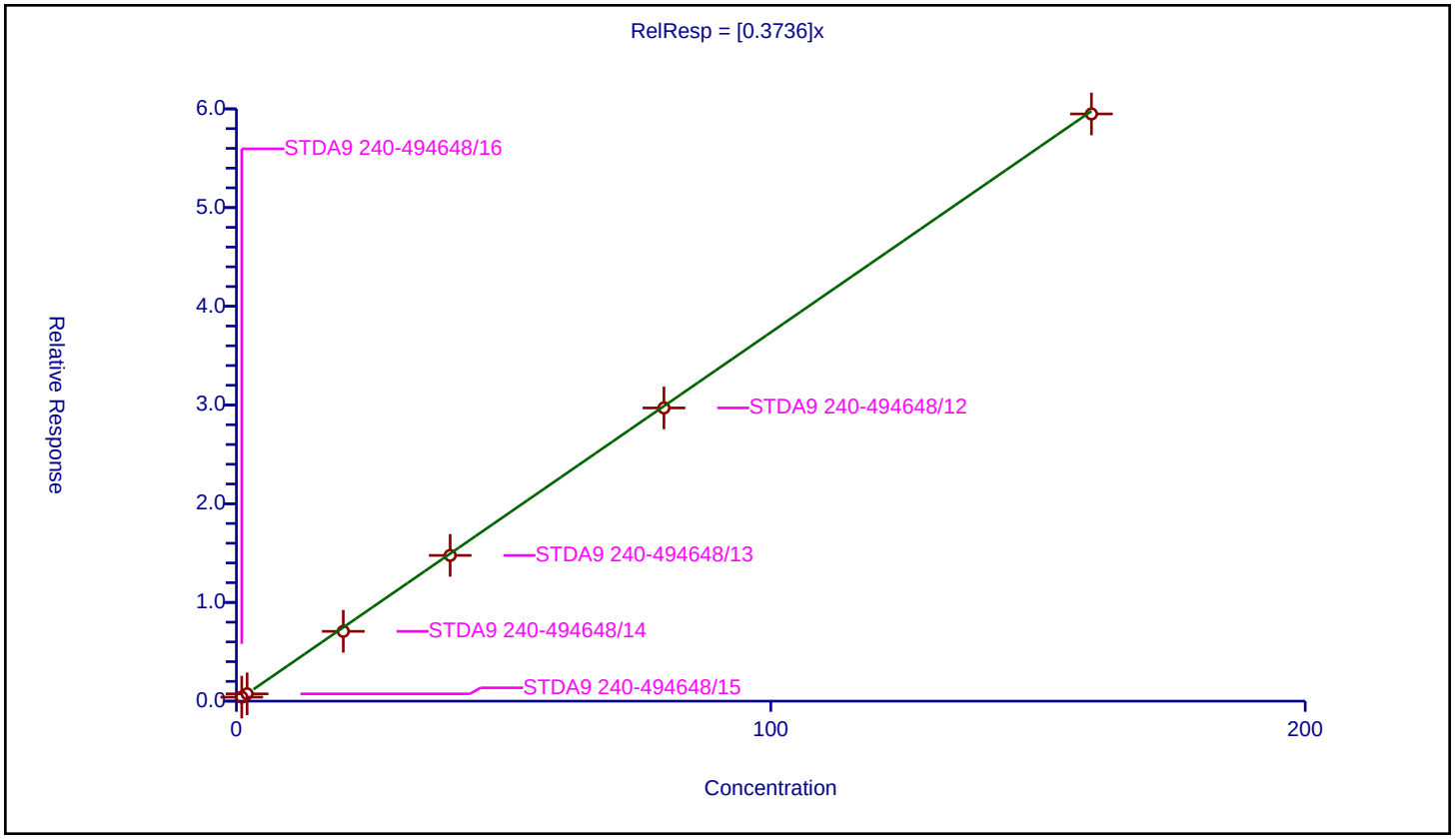
Curve Coefficients

Intercept:	0
Slope:	0.3736

Error Coefficients

Standard Error:	1360000
Relative Standard Error:	4.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-494648/16	1.0	0.406237	20.0	807312.0	0.406237	Y
2	STDA9 240-494648/15	2.0	0.739335	20.0	811730.0	0.369667	Y
3	STDA9 240-494648/14	20.0	7.069593	20.0	821357.0	0.35348	Y
4	STDA9 240-494648/13	40.0	14.763838	20.0	875714.0	0.369096	Y
5	STDA9 240-494648/12	80.0	29.703551	20.0	875867.0	0.371294	Y
6	STDA9 240-494648/11	160.0	59.487457	20.0	895768.0	0.371797	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

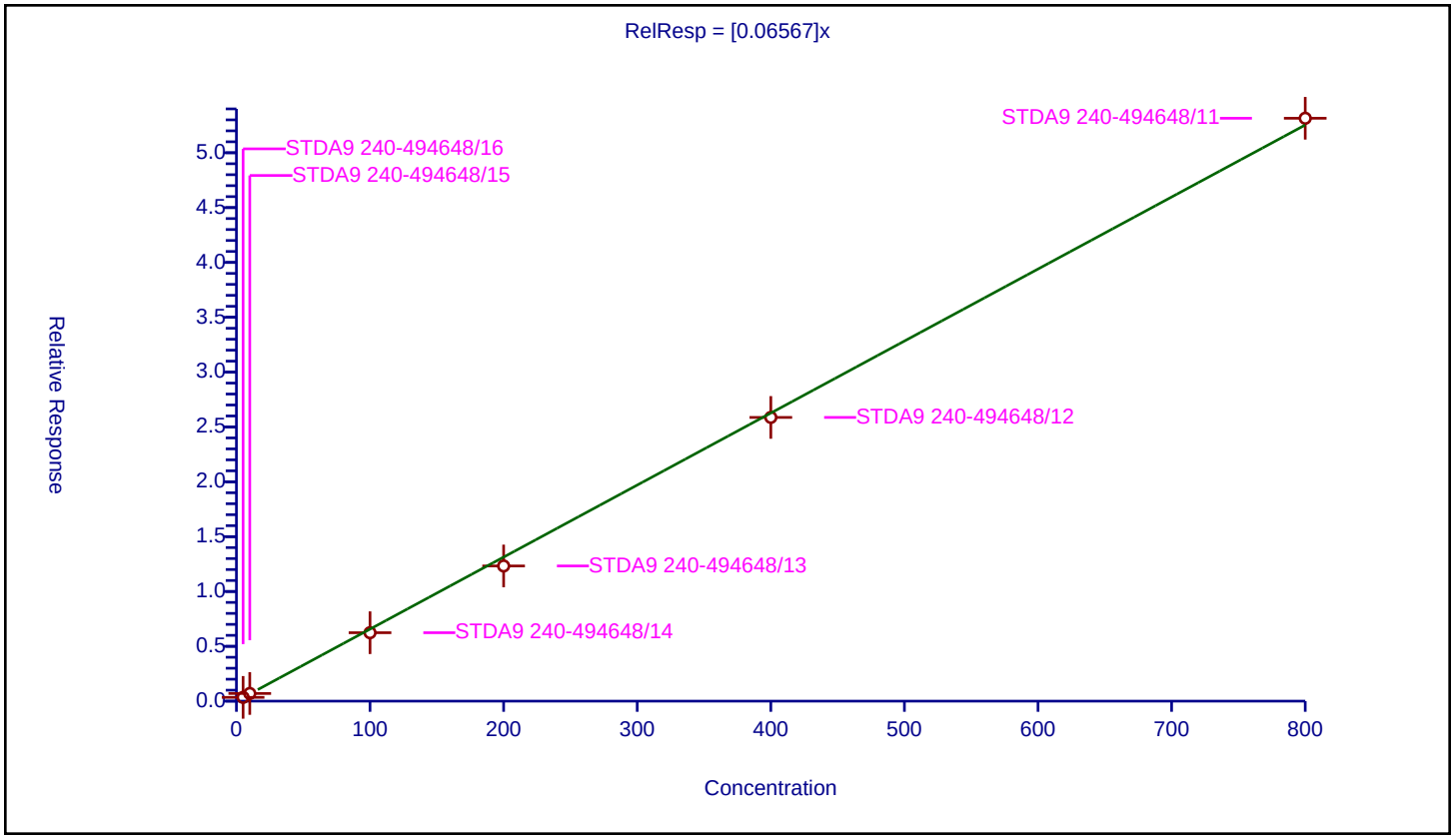
Curve Coefficients

Intercept:	0
Slope:	0.06567

Error Coefficients

Standard Error:	1210000
Relative Standard Error:	5.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-494648/16	5.0	0.344699	20.0	807312.0	0.06894	Y
2	STDA9 240-494648/15	10.0	0.699247	20.0	811730.0	0.069925	Y
3	STDA9 240-494648/14	100.0	6.239869	20.0	821357.0	0.062399	Y
4	STDA9 240-494648/13	200.0	12.324937	20.0	875714.0	0.061625	Y
5	STDA9 240-494648/12	400.0	25.869087	20.0	875867.0	0.064673	Y
6	STDA9 240-494648/11	800.0	53.144162	20.0	895768.0	0.06643	Y



Calibration / Methacrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

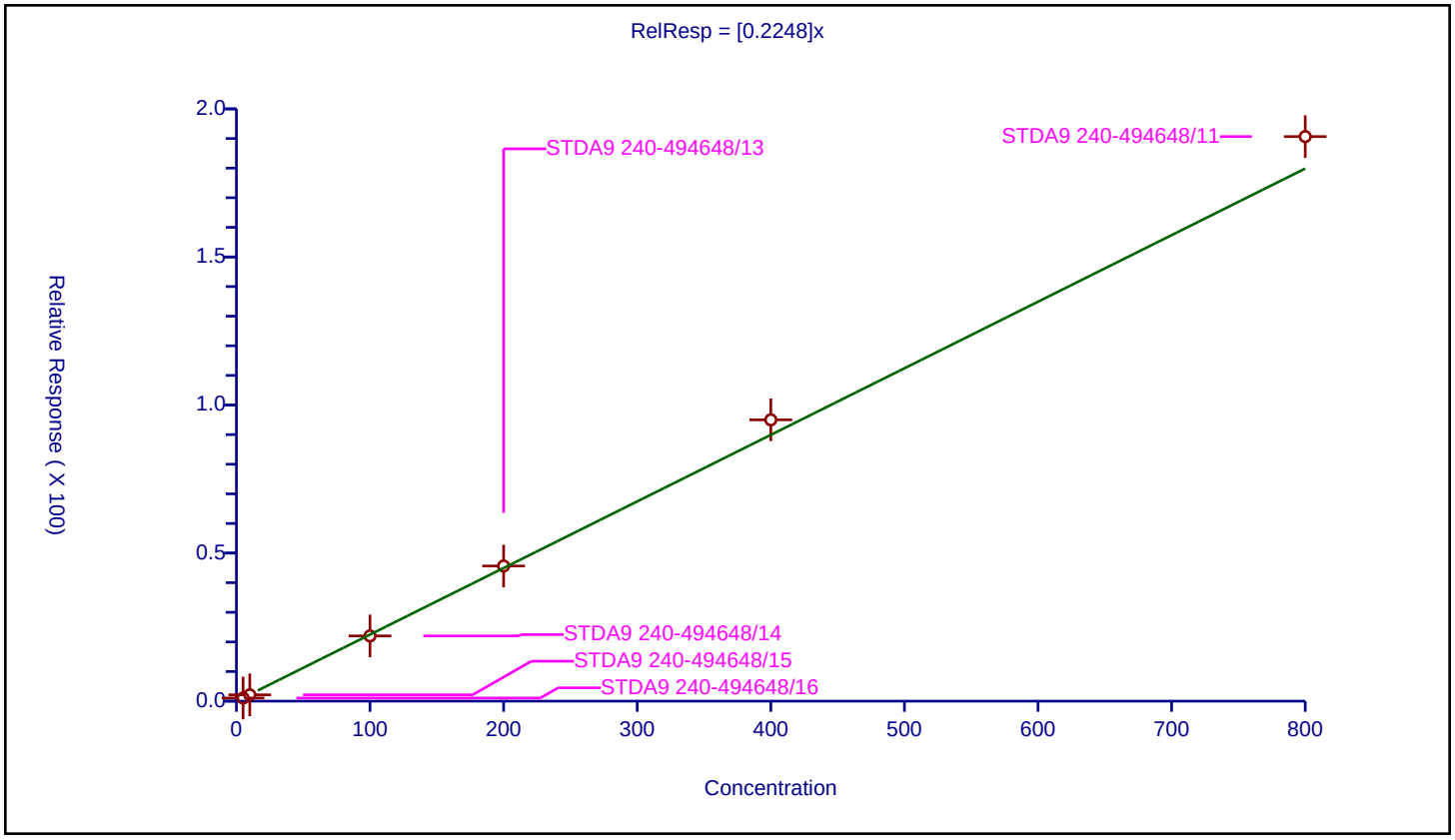
Curve Coefficients

Intercept:	0
Slope:	0.2248

Error Coefficients

Standard Error:	4360000
Relative Standard Error:	5.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-494648/16	5.0	1.055825	20.0	807312.0	0.211165	Y
2	STDA9 240-494648/15	10.0	2.13438	20.0	811730.0	0.213438	Y
3	STDA9 240-494648/14	100.0	22.019877	20.0	821357.0	0.220199	Y
4	STDA9 240-494648/13	200.0	45.641385	20.0	875714.0	0.228207	Y
5	STDA9 240-494648/12	400.0	94.996706	20.0	875867.0	0.237492	Y
6	STDA9 240-494648/11	800.0	190.643403	20.0	895768.0	0.238304	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

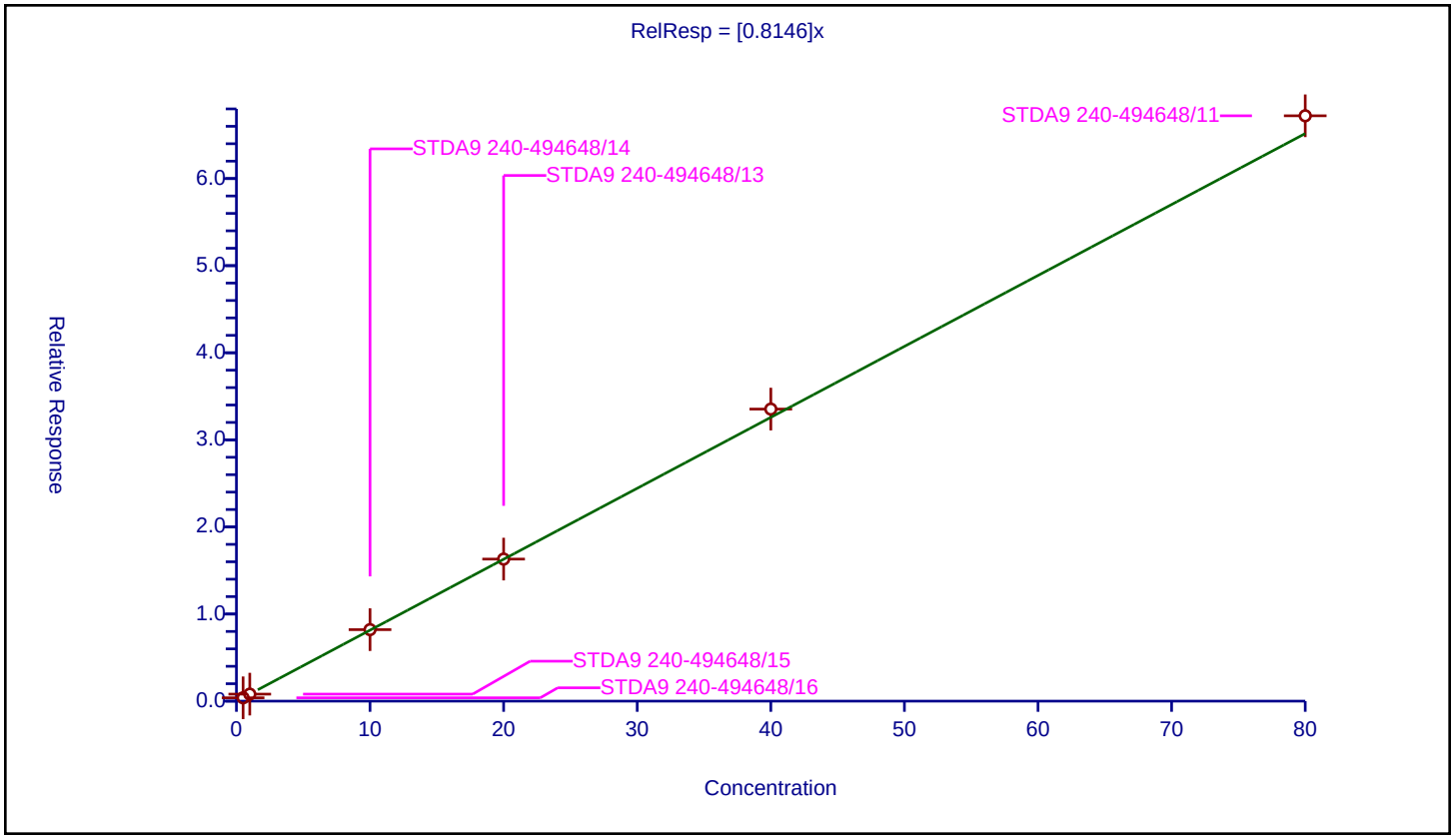
Curve Coefficients

Intercept:	0
Slope:	0.8146

Error Coefficients

Standard Error:	1540000
Relative Standard Error:	3.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-494648/16	0.5	0.383569	20.0	807312.0	0.767138	Y
2	STDA9 240-494648/15	1.0	0.805366	20.0	811730.0	0.805366	Y
3	STDA9 240-494648/14	10.0	8.210632	20.0	821357.0	0.821063	Y
4	STDA9 240-494648/13	20.0	16.310622	20.0	875714.0	0.815531	Y
5	STDA9 240-494648/12	40.0	33.532694	20.0	875867.0	0.838317	Y
6	STDA9 240-494648/11	80.0	67.208786	20.0	895768.0	0.84011	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

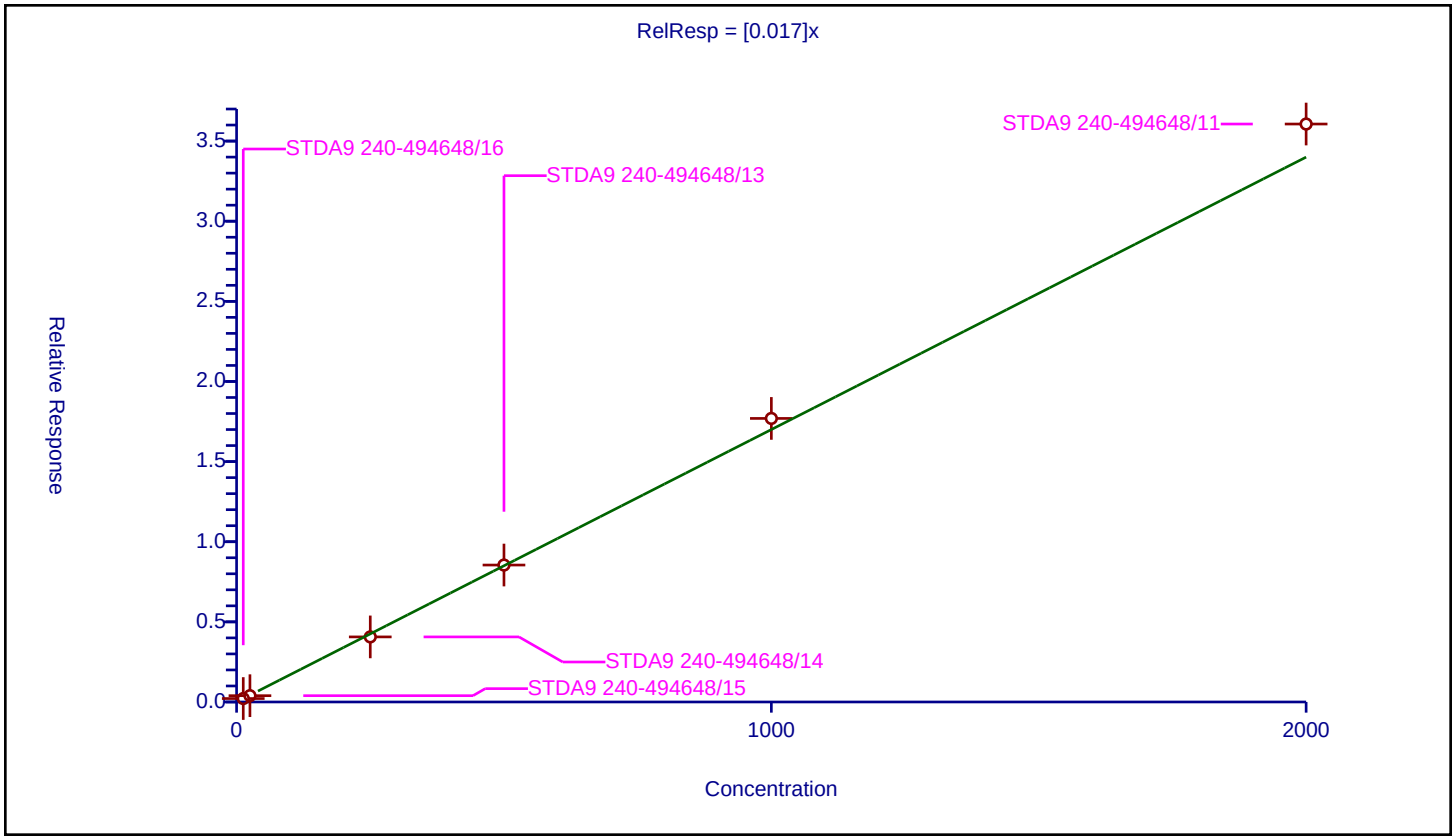
Curve Coefficients

Intercept:	0
Slope:	0.017

Error Coefficients

Standard Error:	822000
Relative Standard Error:	5.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-494648/16	12.5	0.214713	20.0	807312.0	0.017177	Y
2	STDA9 240-494648/15	25.0	0.393949	20.0	811730.0	0.015758	Y
3	STDA9 240-494648/14	250.0	4.061571	20.0	821357.0	0.016246	Y
4	STDA9 240-494648/13	500.0	8.54505	20.0	875714.0	0.01709	Y
5	STDA9 240-494648/12	1000.0	17.692778	20.0	875867.0	0.017693	Y
6	STDA9 240-494648/11	2000.0	36.063914	20.0	895768.0	0.018032	Y



Calibration / Ethyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

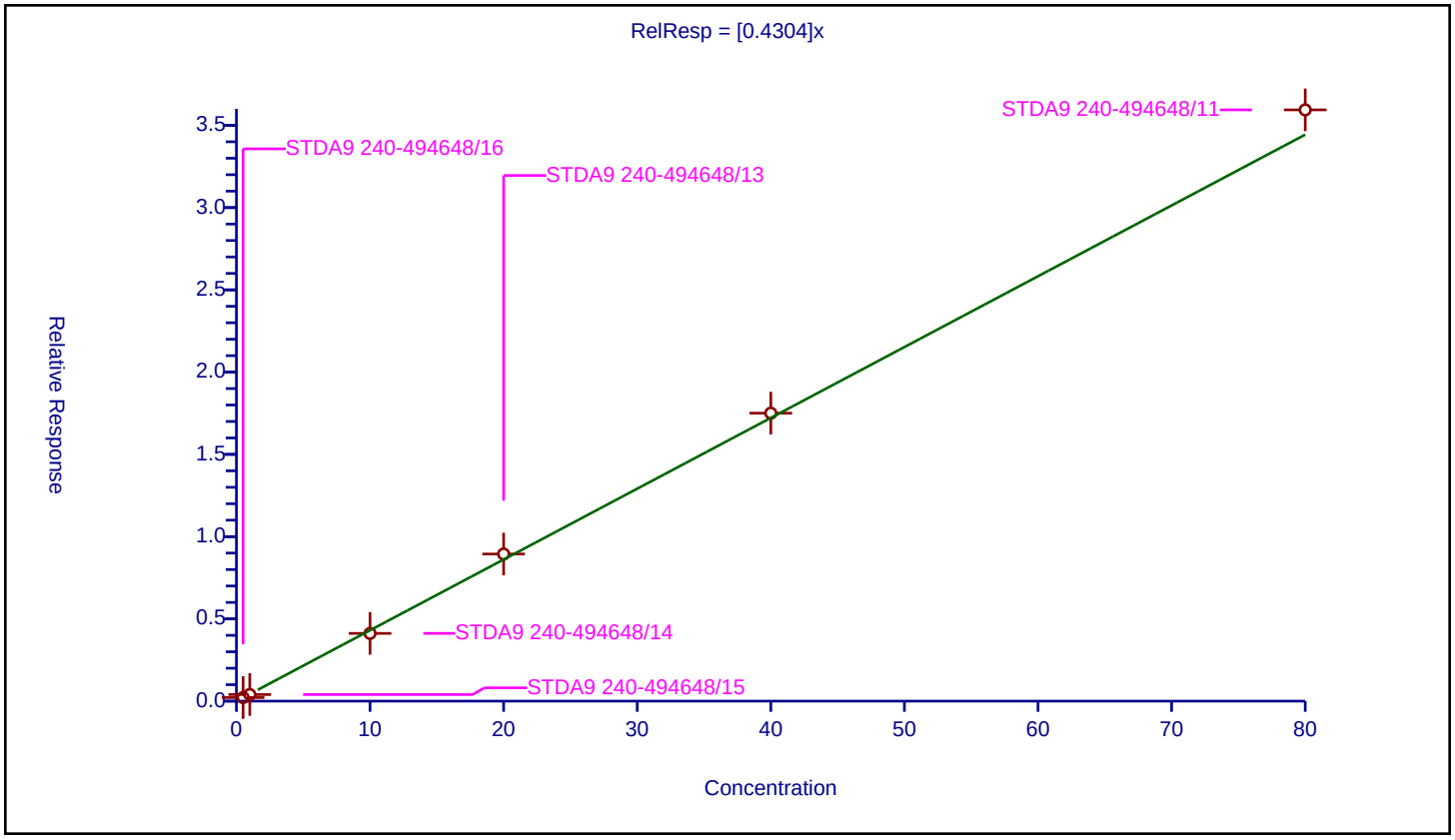
Curve Coefficients

Intercept:	0
Slope:	0.4304

Error Coefficients

Standard Error:	820000
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	STDA9 240-494648/16	0.5	0.217834	20.0	807312.0	0.435668	Y
2	STDA9 240-494648/15	1.0	0.401143	20.0	811730.0	0.401143	Y
3	STDA9 240-494648/14	10.0	4.118428	20.0	821357.0	0.411843	Y
4	STDA9 240-494648/13	20.0	8.942326	20.0	875714.0	0.447116	Y
5	STDA9 240-494648/12	40.0	17.504484	20.0	875867.0	0.437612	Y
6	STDA9 240-494648/11	80.0	35.940109	20.0	895768.0	0.449251	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

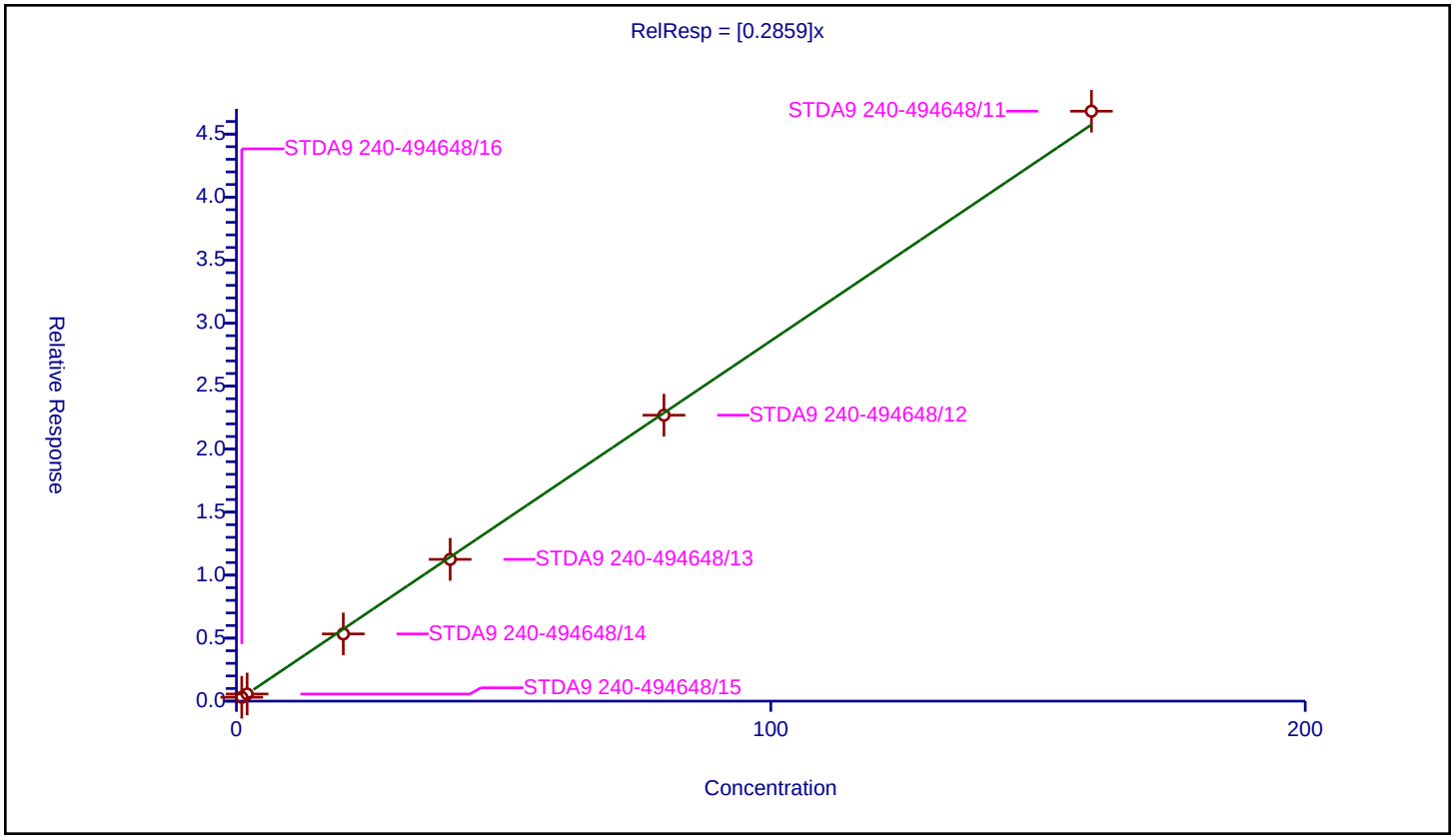
Curve Coefficients

Intercept:	0
Slope:	0.2859

Error Coefficients

Standard Error:	1070000
Relative Standard Error:	4.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-494648/16	1.0	0.308158	20.0	807312.0	0.308158	Y
2	STDA9 240-494648/15	2.0	0.565952	20.0	811730.0	0.282976	Y
3	STDA9 240-494648/14	20.0	5.334635	20.0	821357.0	0.266732	Y
4	STDA9 240-494648/13	40.0	11.252053	20.0	875714.0	0.281301	Y
5	STDA9 240-494648/12	80.0	22.693697	20.0	875867.0	0.283671	Y
6	STDA9 240-494648/11	160.0	46.819243	20.0	895768.0	0.29262	Y



Calibration / 2-Nitropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

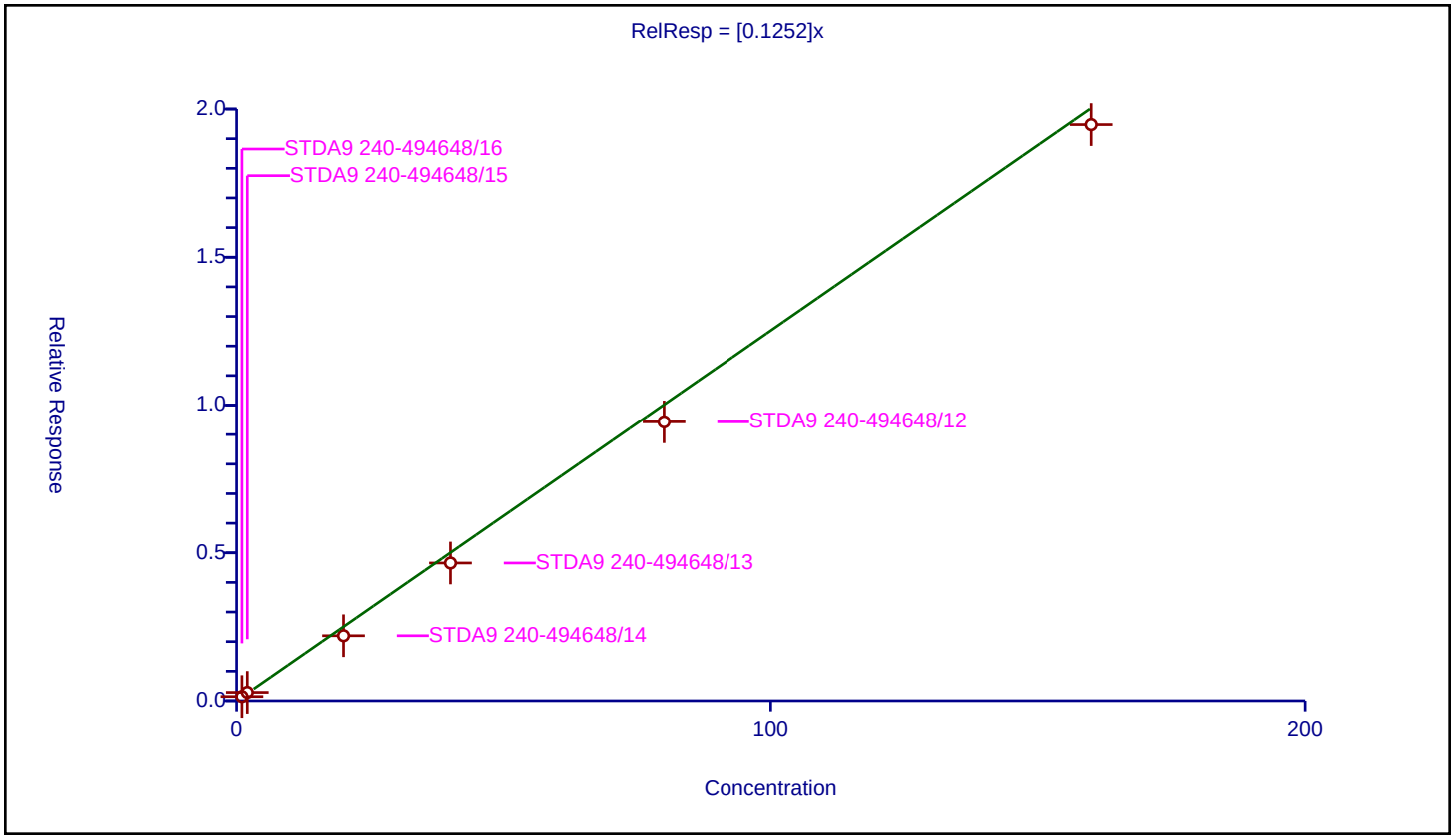
Curve Coefficients

Intercept:	0
Slope:	0.1252

Error Coefficients

Standard Error:	443000
Relative Standard Error:	11.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-494648/16	1.0	0.143315	20.0	807312.0	0.143315	Y
2	STDA9 240-494648/15	2.0	0.283814	20.0	811730.0	0.141907	Y
3	STDA9 240-494648/14	20.0	2.198289	20.0	821357.0	0.109914	Y
4	STDA9 240-494648/13	40.0	4.656041	20.0	875714.0	0.116401	Y
5	STDA9 240-494648/12	80.0	9.431295	20.0	875867.0	0.117891	Y
6	STDA9 240-494648/11	160.0	19.475311	20.0	895768.0	0.121721	Y



Calibration / n-Butyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

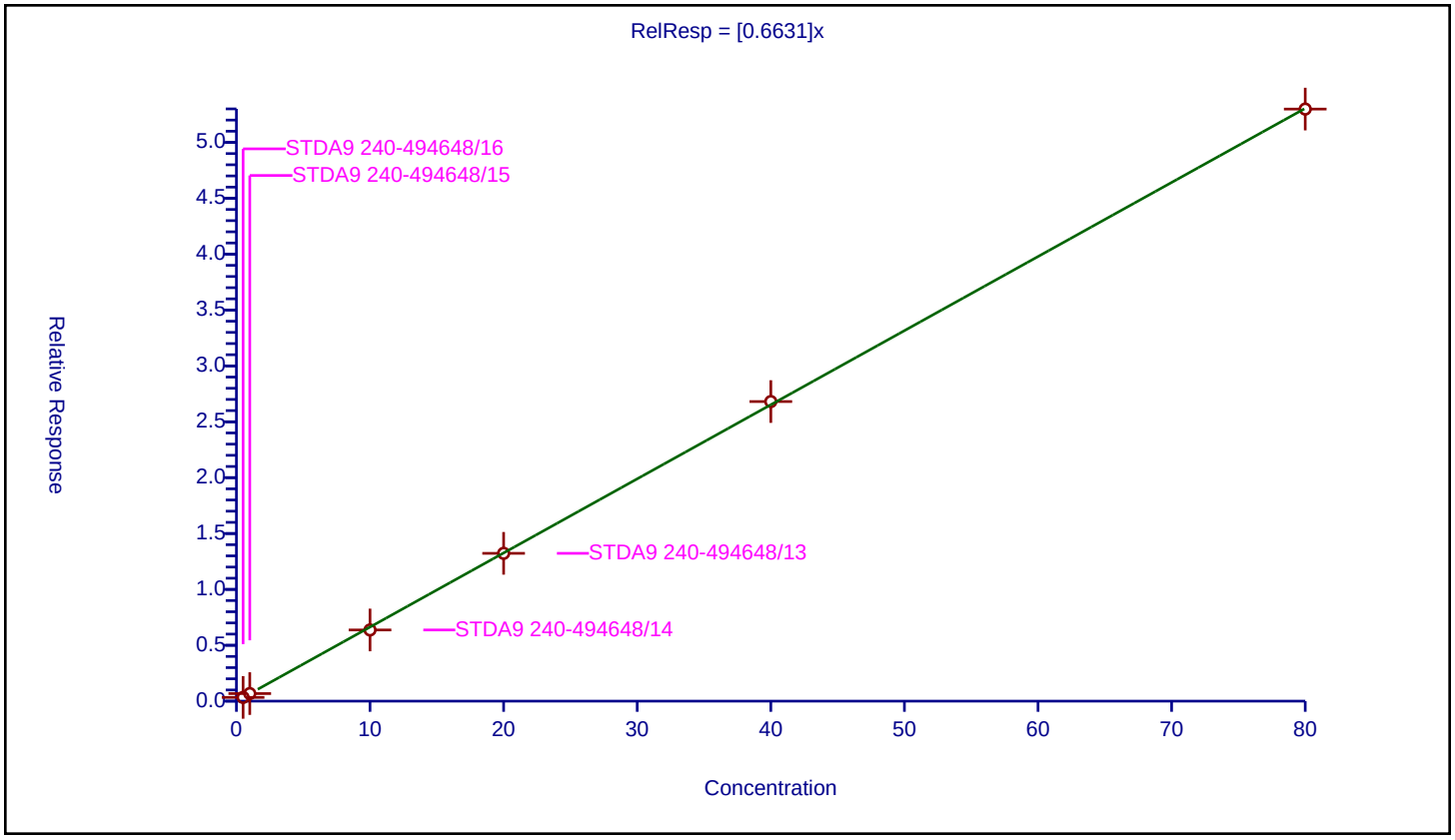
Curve Coefficients

Intercept:	0
Slope:	0.6631

Error Coefficients

Standard Error:	954000
Relative Standard Error:	2.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-494648/16	0.5	0.334586	20.0	636428.0	0.669172	Y
2	STDA9 240-494648/15	1.0	0.678408	20.0	625730.0	0.678408	Y
3	STDA9 240-494648/14	10.0	6.370867	20.0	639668.0	0.637087	Y
4	STDA9 240-494648/13	20.0	13.226709	20.0	696214.0	0.661335	Y
5	STDA9 240-494648/12	40.0	26.810235	20.0	678746.0	0.670256	Y
6	STDA9 240-494648/11	80.0	52.982429	20.0	703212.0	0.66228	Y



Calibration / 1-Chlorohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

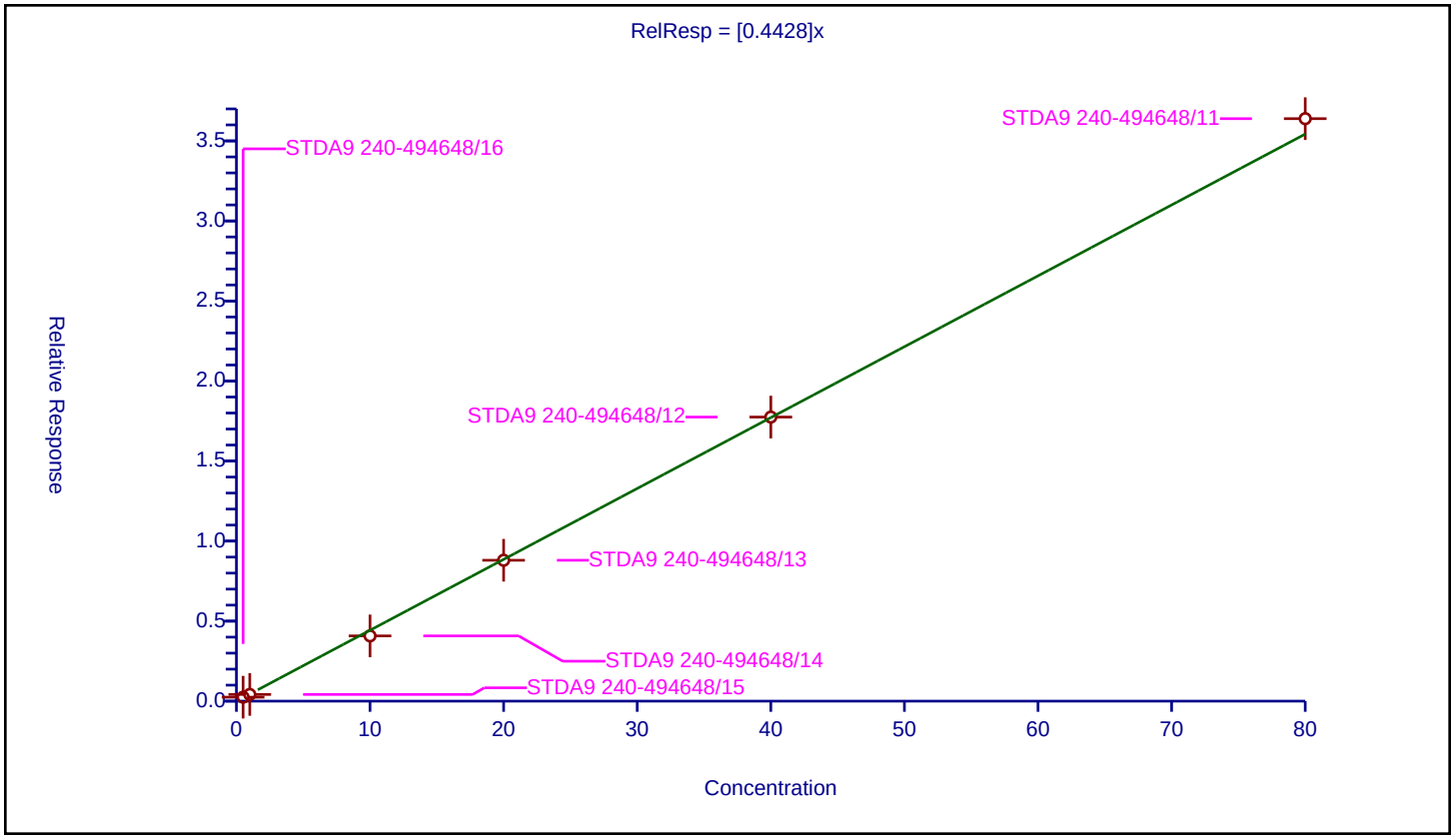
Curve Coefficients

Intercept:	0
Slope:	0.4428

Error Coefficients

Standard Error:	650000
Relative Standard Error:	6.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-494648/16	0.5	0.246407	20.0	636428.0	0.492813	Y
2	STDA9 240-494648/15	1.0	0.417912	20.0	625730.0	0.417912	Y
3	STDA9 240-494648/14	10.0	4.076365	20.0	639668.0	0.407636	Y
4	STDA9 240-494648/13	20.0	8.801432	20.0	696214.0	0.440072	Y
5	STDA9 240-494648/12	40.0	17.745843	20.0	678746.0	0.443646	Y
6	STDA9 240-494648/11	80.0	36.389481	20.0	703212.0	0.454869	Y



Calibration / Cyclohexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

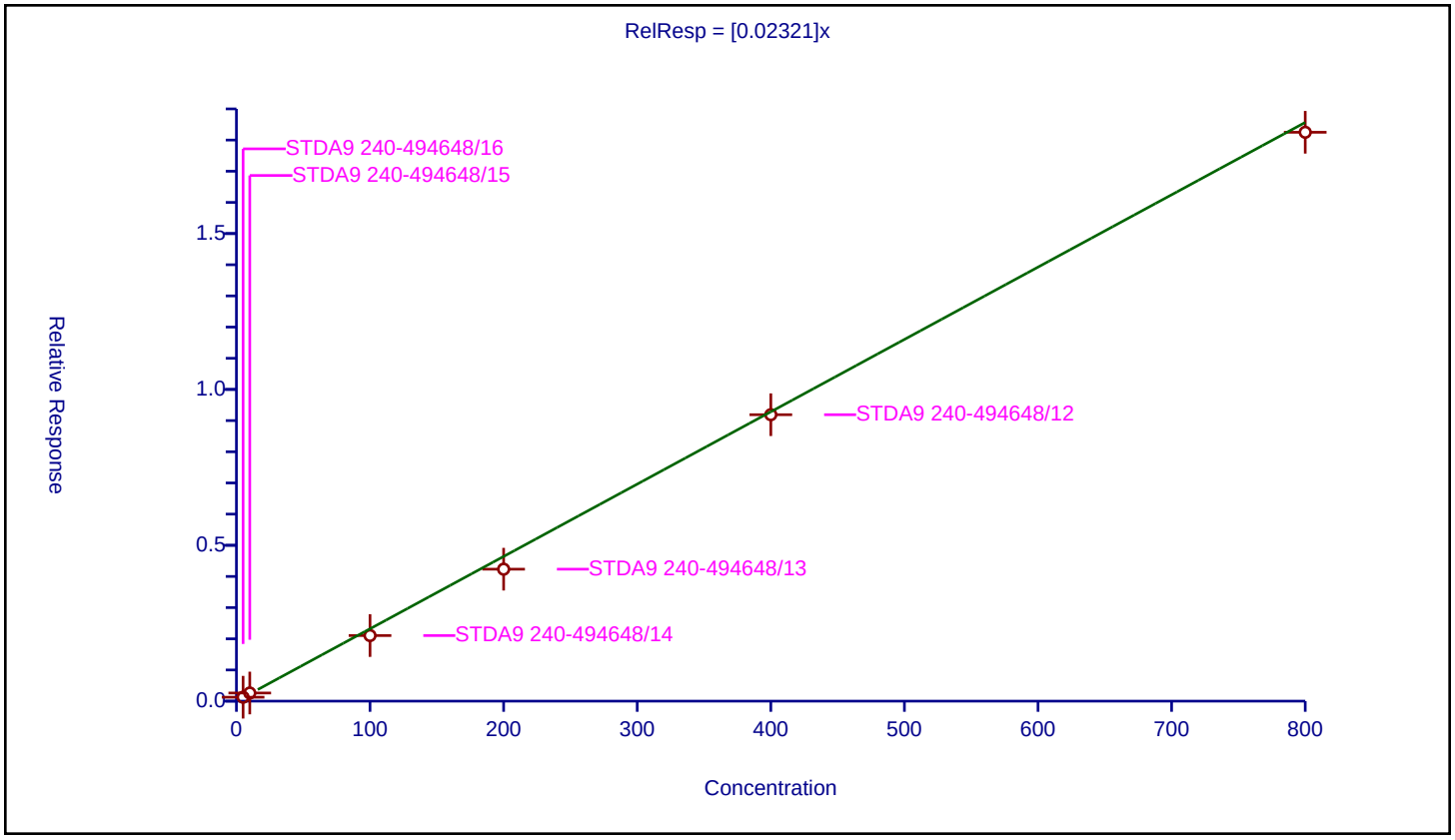
Curve Coefficients

Intercept:	0
Slope:	0.02321

Error Coefficients

Standard Error:	327000
Relative Standard Error:	8.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-494648/16	5.0	0.12589	20.0	636428.0	0.025178	Y
2	STDA9 240-494648/15	10.0	0.260751	20.0	625730.0	0.026075	Y
3	STDA9 240-494648/14	100.0	2.103716	20.0	639668.0	0.021037	Y
4	STDA9 240-494648/13	200.0	4.23344	20.0	696214.0	0.021167	Y
5	STDA9 240-494648/12	400.0	9.189299	20.0	678746.0	0.022973	Y
6	STDA9 240-494648/11	800.0	18.250201	20.0	703212.0	0.022813	Y



Calibration / Pentachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

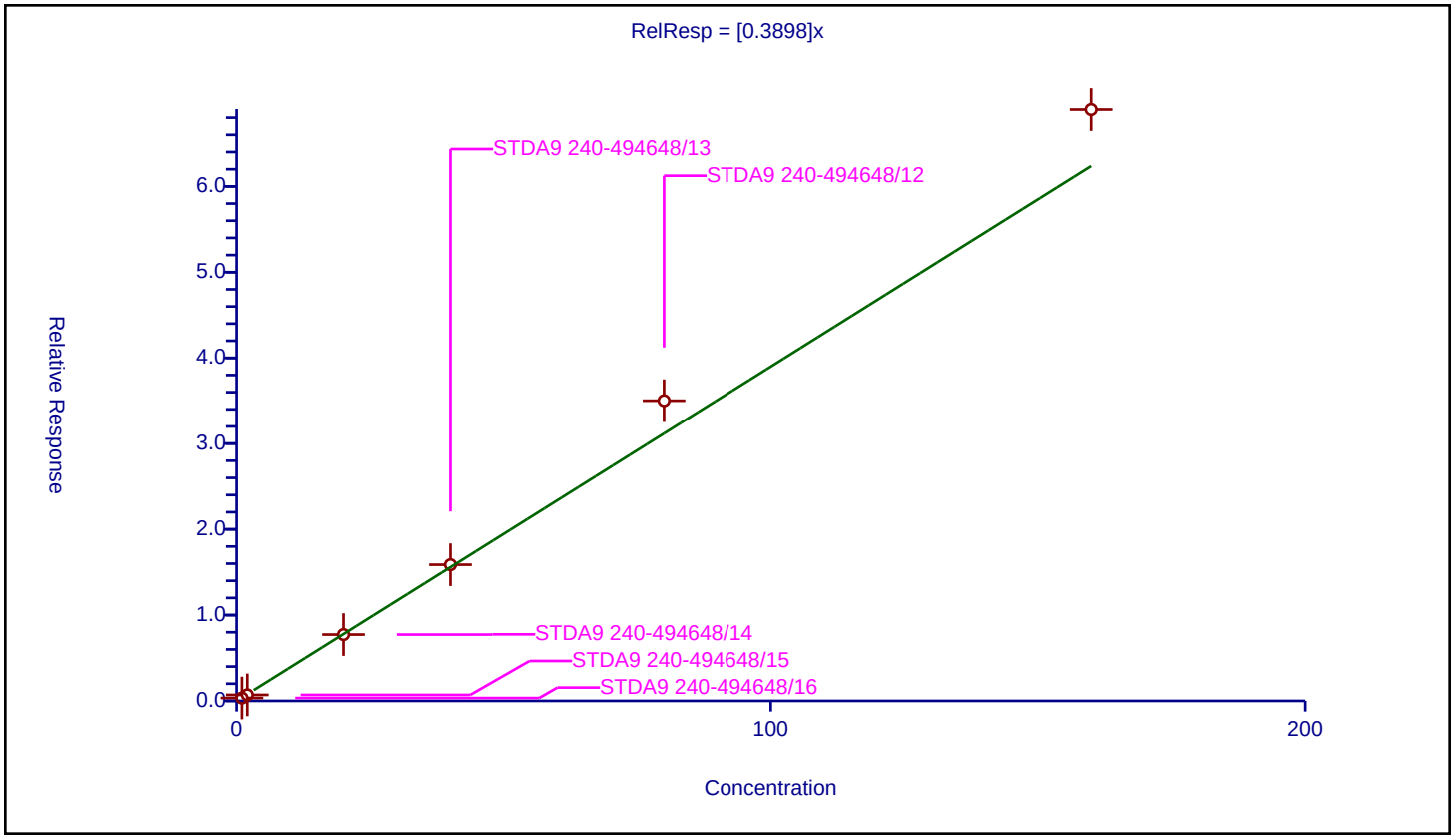
Curve Coefficients

Intercept:	0
Slope:	0.3898

Error Coefficients

Standard Error:	678000
Relative Standard Error:	10.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-494648/16	1.0	0.337126	20.0	342424.0	0.337126	Y
2	STDA9 240-494648/15	2.0	0.699307	20.0	335418.0	0.349653	Y
3	STDA9 240-494648/14	20.0	7.73262	20.0	346713.0	0.386631	Y
4	STDA9 240-494648/13	40.0	15.877765	20.0	371939.0	0.396944	Y
5	STDA9 240-494648/12	80.0	35.008537	20.0	361349.0	0.437607	Y
6	STDA9 240-494648/11	160.0	68.945411	20.0	388597.0	0.430909	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

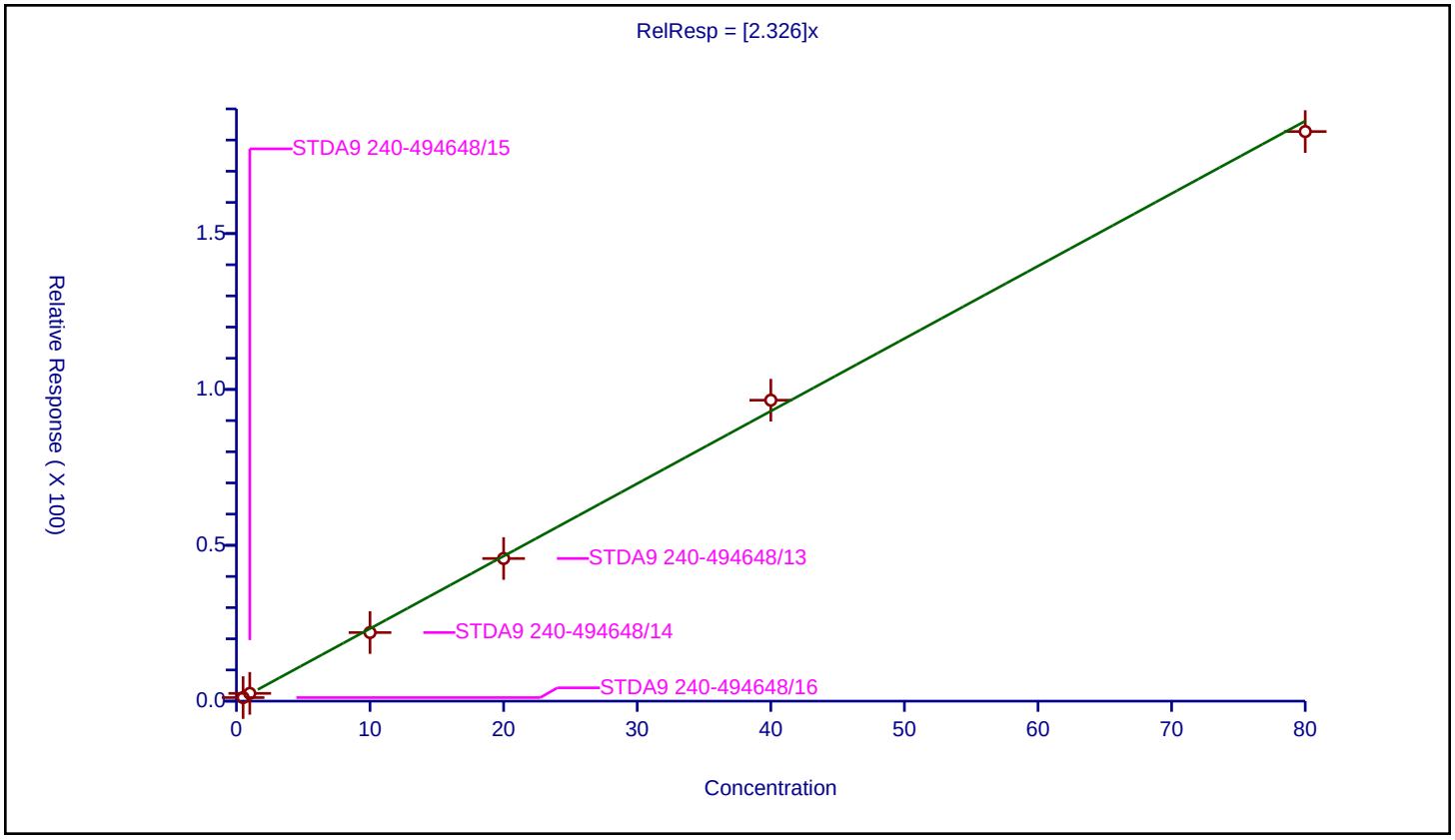
Curve Coefficients

Intercept:	0
Slope:	2.326

Error Coefficients

Standard Error:	1820000
Relative Standard Error:	4.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-494648/16	0.5	1.137829	20.0	342424.0	2.275658	Y
2	STDA9 240-494648/15	1.0	2.494738	20.0	335418.0	2.494738	Y
3	STDA9 240-494648/14	10.0	22.012673	20.0	346713.0	2.201267	Y
4	STDA9 240-494648/13	20.0	45.756428	20.0	371939.0	2.287821	Y
5	STDA9 240-494648/12	40.0	96.54777	20.0	361349.0	2.413694	Y
6	STDA9 240-494648/11	80.0	182.72735	20.0	388597.0	2.284092	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

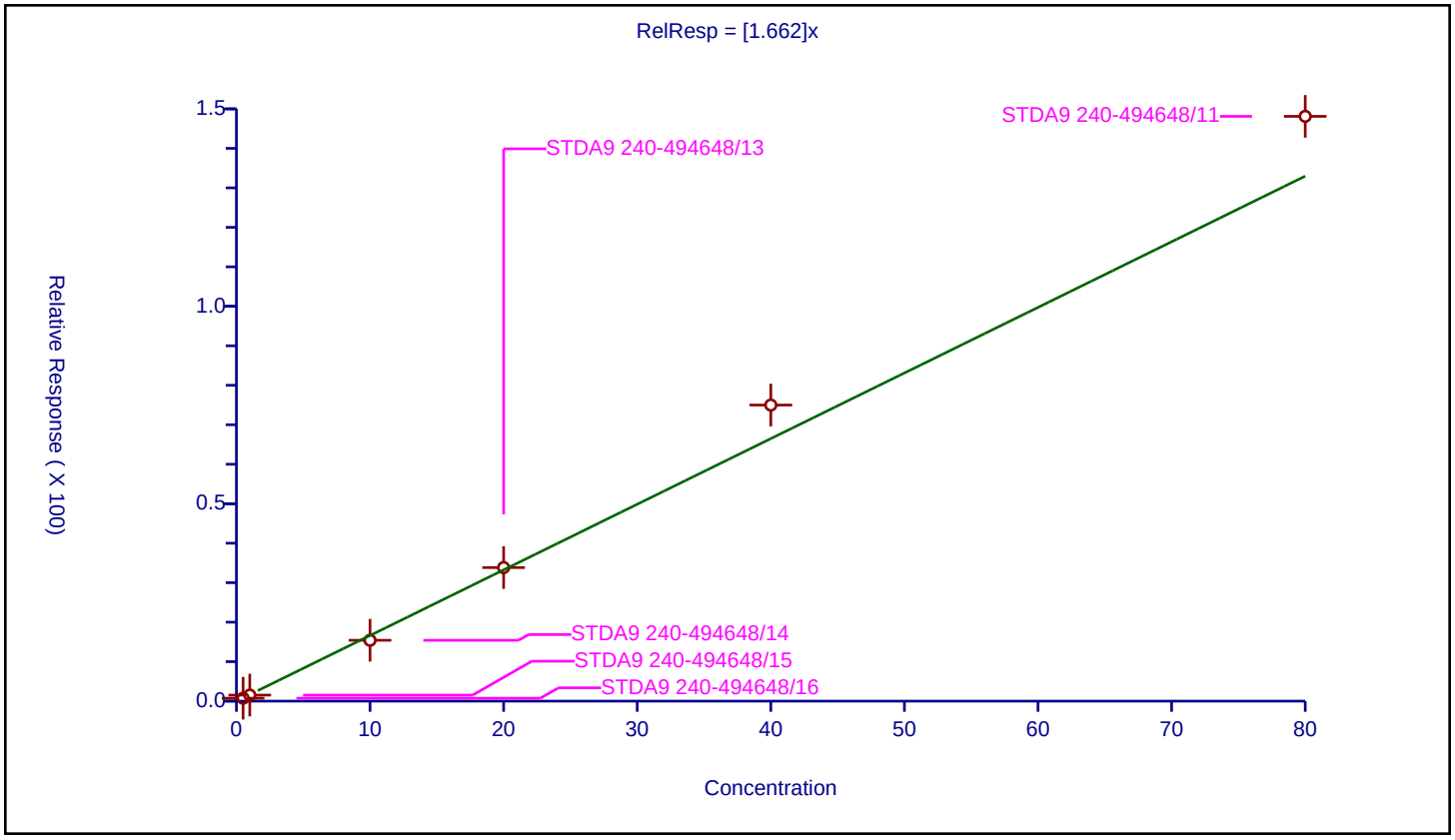
Curve Coefficients

Intercept:	0
Slope:	1.662

Error Coefficients

Standard Error:	1450000
Relative Standard Error:	10.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-494648/16	0.5	0.74177	20.0	342424.0	1.483541	Y
2	STDA9 240-494648/15	1.0	1.530329	20.0	335418.0	1.530329	Y
3	STDA9 240-494648/14	10.0	15.415747	20.0	346713.0	1.541575	Y
4	STDA9 240-494648/13	20.0	33.826031	20.0	371939.0	1.691302	Y
5	STDA9 240-494648/12	40.0	74.987007	20.0	361349.0	1.874675	Y
6	STDA9 240-494648/11	80.0	148.112312	20.0	388597.0	1.851404	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

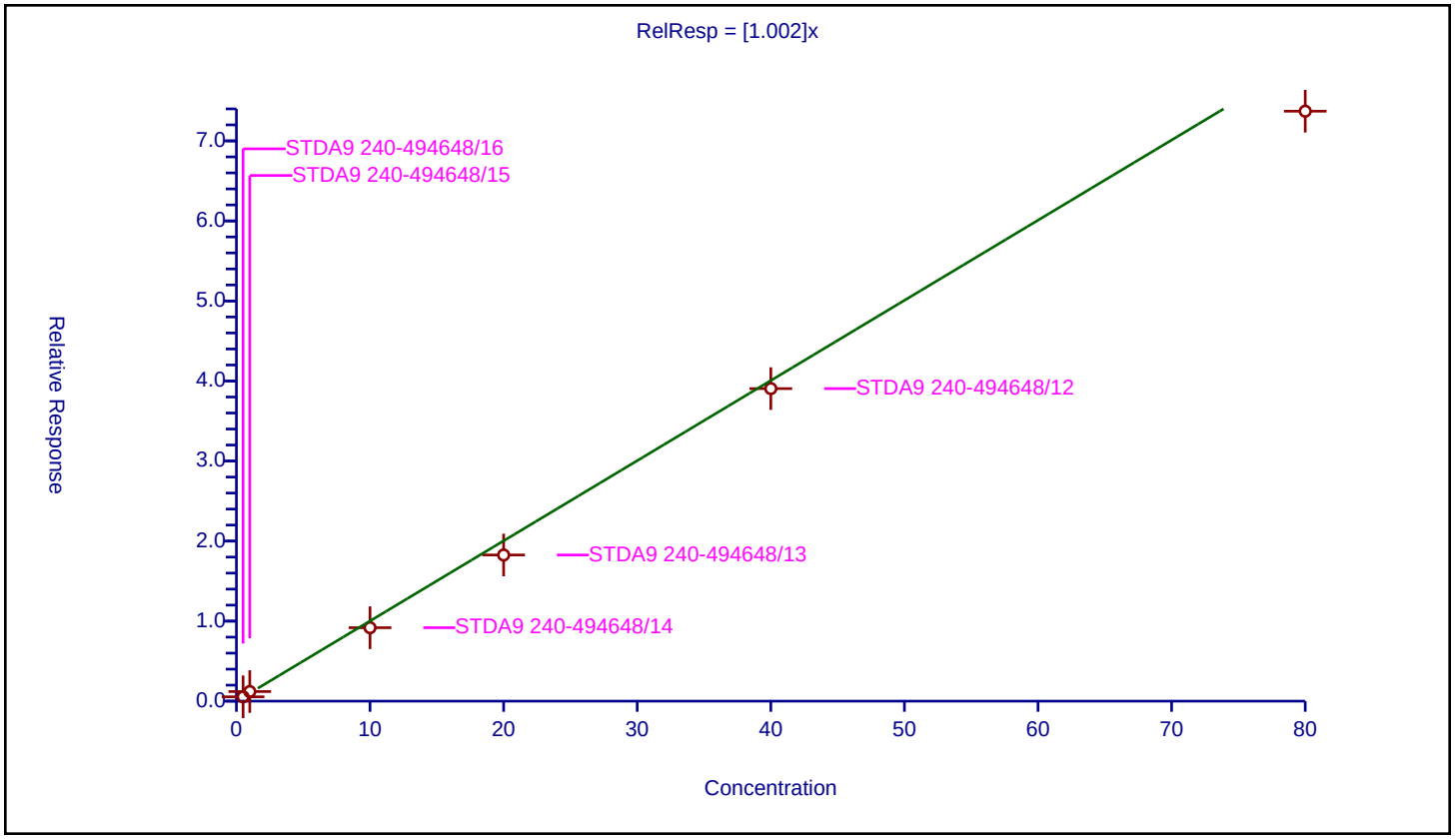
Curve Coefficients

Intercept:	0
Slope:	1.002

Error Coefficients

Standard Error:	733000
Relative Standard Error:	11.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-494648/16	0.5	0.539682	20.0	342424.0	1.079364	Y
2	STDA9 240-494648/15	1.0	1.201247	20.0	335418.0	1.201247	Y
3	STDA9 240-494648/14	10.0	9.177216	20.0	346713.0	0.917722	Y
4	STDA9 240-494648/13	20.0	18.260252	20.0	371939.0	0.913013	Y
5	STDA9 240-494648/12	40.0	39.051665	20.0	361349.0	0.976292	Y
6	STDA9 240-494648/11	80.0	73.709473	20.0	388597.0	0.921368	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

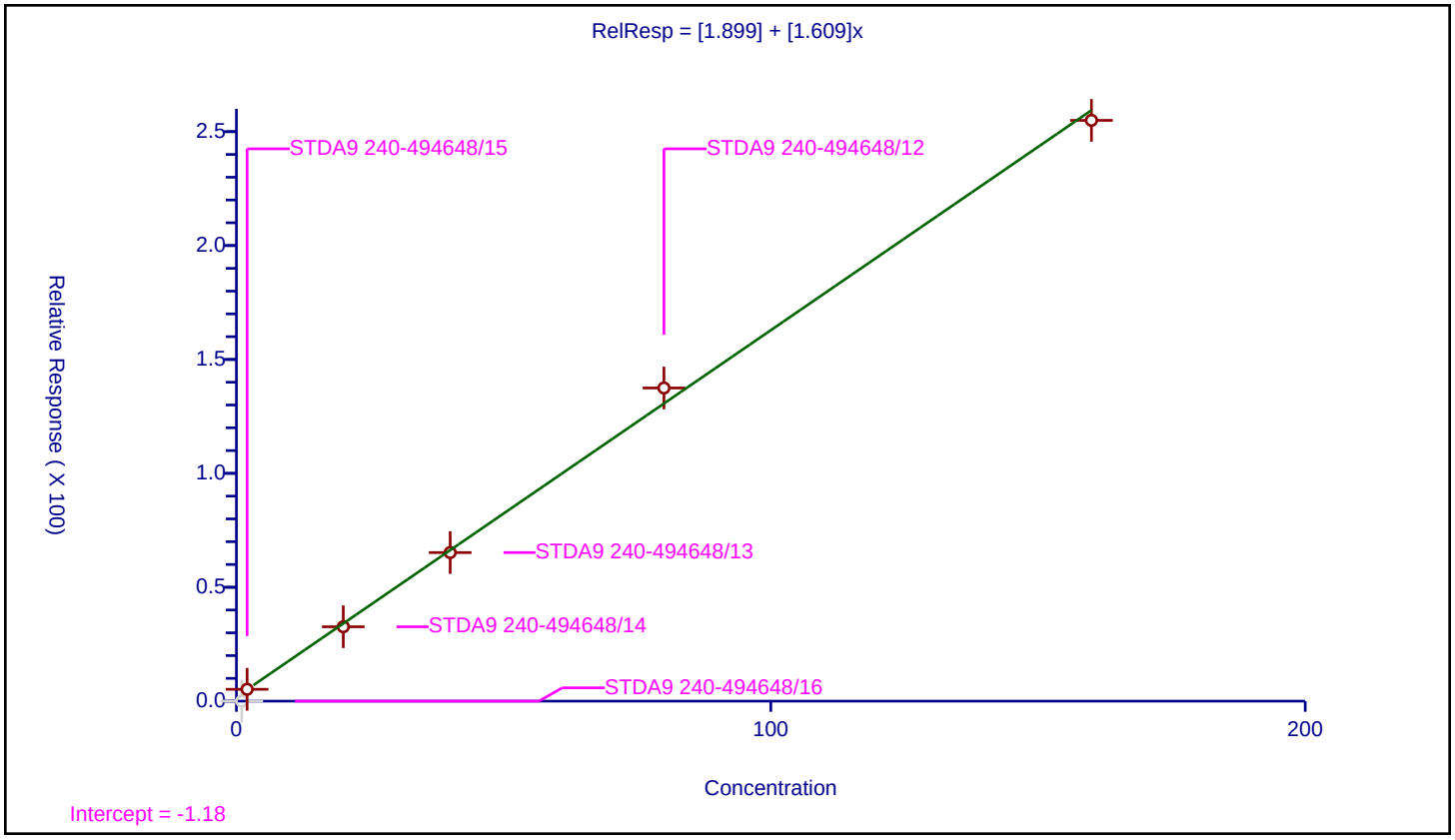
Curve Coefficients

Intercept:	1.899
Slope:	1.609

Error Coefficients

Standard Error:	3290000
Relative Standard Error:	4.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-494648/16	1.0	0.0	20.0	342424.0	0.0	N
2	STDA9 240-494648/15	2.0	5.197217	20.0	335418.0	2.598608	Y
3	STDA9 240-494648/14	20.0	32.656751	20.0	346713.0	1.632838	Y
4	STDA9 240-494648/13	40.0	65.227147	20.0	371939.0	1.630679	Y
5	STDA9 240-494648/12	80.0	137.47463	20.0	361349.0	1.718433	Y
6	STDA9 240-494648/11	160.0	254.962442	20.0	388597.0	1.593515	Y



Calibration / 1-Methylnaphthalene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

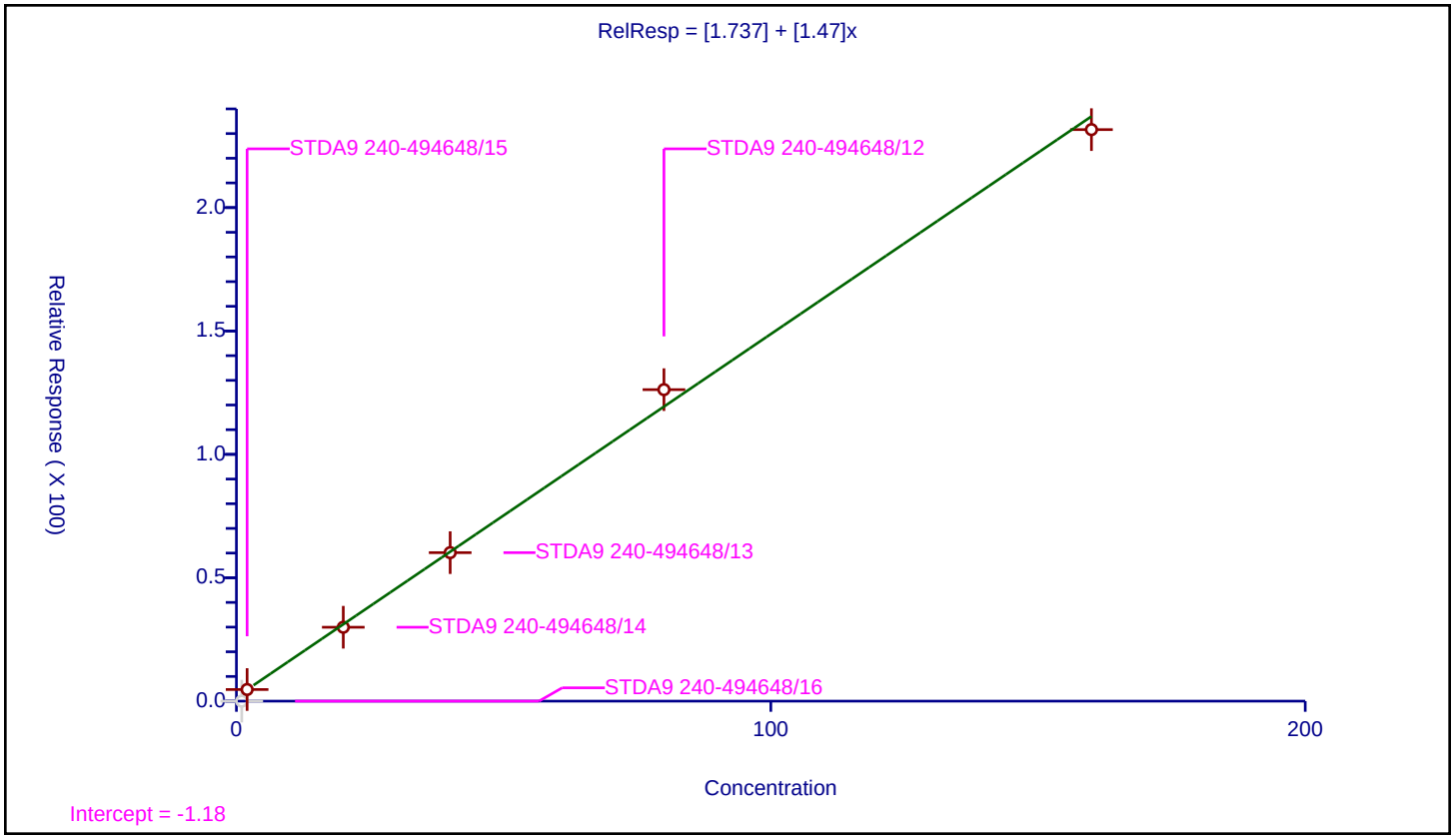
Curve Coefficients

Intercept:	1.737
Slope:	1.47

Error Coefficients

Standard Error:	3000000
Relative Standard Error:	4.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-494648/16	1.0	0.0	20.0	342424.0	0.0	N
2	STDA9 240-494648/15	2.0	4.709407	20.0	335418.0	2.354704	Y
3	STDA9 240-494648/14	20.0	29.944709	20.0	346713.0	1.497235	Y
4	STDA9 240-494648/13	40.0	60.175674	20.0	371939.0	1.504392	Y
5	STDA9 240-494648/12	80.0	126.233254	20.0	361349.0	1.577916	Y
6	STDA9 240-494648/11	160.0	231.601634	20.0	388597.0	1.44751	Y



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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 14:43 Calibration End Date: 06/16/2021 17:01 Calibration ID: 61772

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-490967/8	UX996077.D
Level 2	STD8260 240-490967/9	UX996078.D
Level 3	STD8260 240-490967/10	UX996079.D
Level 4	ICIS 240-490967/11	UX996080.D
Level 5	STD8260 240-490967/12	UX996081.D
Level 6	STD8260 240-490967/13	UX996082.D
Level 7	STD8260 240-490967/14	UX996083.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 0.4235	0.3390 0.4253	0.4211	0.4262	0.4305	Ave		0.4109			0.1000	8.6		20.0			
Chloromethane	0.3293 0.4258	0.3853 0.4197	0.4001	0.4117	0.4259	Ave		0.3997			0.1000	8.6		20.0			
Vinyl chloride	0.3186 0.4354	0.3640 0.4299	0.4090	0.4195	0.4392	Ave		0.4022			0.1000	11.1		20.0			
Butadiene	0.2891 0.4022	0.3226 0.3989	0.3682	0.3863	0.4032	Ave		0.3672				12.2		20.0			
Bromomethane	0.2596 0.3549	0.2999 0.3882	0.3015	0.3095	0.3360	Ave		0.3214			0.0500	13.1		20.0			
Chloroethane	+++++ 0.3118	0.2500 0.3314	0.2754	0.2914	0.3059	Ave		0.2943			0.0500	9.8		20.0			
Dichlorofluoromethane	0.5252 0.6533	0.5715 0.6587	0.6059	0.6299	0.6561	Ave		0.6144				8.2		20.0			
Trichlorofluoromethane	0.4392 0.6350	0.5368 0.6444	0.5802	0.6191	0.6338	Ave		0.5841			0.1000	12.7		20.0			
Ethyl ether	0.2218 0.2988	0.2550 0.3059	0.2823	0.2868	0.3026	Ave		0.2790				10.9		20.0			
Acrolein	+++++ 0.0165	0.0162 0.0170	0.0147	0.0153	0.0163	Ave		0.0160				5.4		20.0			
1,1-Dichloroethene	0.3532 0.5356	0.4089 0.5441	0.4955	0.5252	0.5375	Ave		0.4857			0.1000	15.4		20.0			
1,1,2-Trichloro-1,2,2-trichfluoroethane	+++++ 0.3784	0.2932 0.3810	0.3624	0.3753	0.3831	Ave		0.3622			0.0500	9.6		20.0			
Acetone	0.0610 0.0486	0.0564 0.0494	0.0456	0.0483	0.0500	Ave		0.0513			0.0100	10.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 14:43 Calibration End Date: 06/16/2021 17:01 Calibration ID: 61772

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								
Iodomethane	+++++ 0.4213	0.2966 0.4160	0.3403	0.3834	0.4101	Ave		0.3780				13.2		20.0			
Carbon disulfide	0.8250 1.0275	0.8863 1.0326	0.9433	0.9898	1.0328	Ave		0.9625			0.1000	8.5		20.0			
3-Chloro-1-propene	0.5479 0.5252	0.5461 0.5285	0.5259	0.5104	0.5342	Ave		0.5312				2.4		20.0			
Methyl acetate	0.3428 0.3471	0.3481 0.3498	0.3206	0.3313	0.3517	Ave		0.3416			0.1000	3.4		20.0			
Methylene Chloride	0.4556 0.4421	0.4490 0.4511	0.4186	0.4374	0.4491	Ave		0.4433			0.1000	2.8		20.0			
tert-Butyl alcohol	0.0554 0.0659	0.0613 0.0646	0.0604	0.0633	0.0671	Ave		0.0626				6.3		20.0			
Acrylonitrile	0.1516 0.1912	0.1679 0.1929	0.1763	0.1842	0.1943	Ave		0.1798				8.8		20.0			
Methyl tert-butyl ether	0.9723 1.2460	1.0737 1.2661	1.1606	1.2108	1.2701	Ave		1.1714			0.1000	9.6		20.0			
trans-1,2-Dichloroethene	0.3314 0.5014	0.3960 0.5109	0.4647	0.4811	0.4997	Ave		0.4550			0.1000	14.7		20.0			
Hexane	0.3618 0.5115	0.4152 0.5200	0.5021	0.5078	0.5130	Ave		0.4759				13.0		20.0			
1,1-Dichloroethane	0.5215 0.6624	0.5859 0.6707	0.6295	0.6470	0.6757	Ave		0.6275			0.2000	8.9		20.0			
Vinyl acetate	0.7270 0.8630	0.7943 0.8754	0.8040	0.8218	0.8659	Ave		0.8216				6.4		20.0			
2-Butanone	+++++ 0.0699	0.0592 0.0707	0.0626	0.0665	0.0697	Ave		0.0664			0.0100	7.0		20.0			
cis-1,2-Dichloroethene	0.2665 0.4326	0.3466 0.4336	0.4015	0.4139	0.4373	Ave		0.3903			0.1000	16.1		20.0			
2,2-Dichloropropane	0.5264 0.6617	0.5832 0.6592	0.6333	0.6528	0.6719	Ave		0.6269				8.5		20.0			
Bromochloromethane	0.2347 0.2791	0.2436 0.2789	0.2589	0.2693	0.2812	Ave		0.2637				7.0		20.0			
Tetrahydrofuran	0.1528 0.1582	0.1518 0.1589	0.1437	0.1508	0.1593	Ave		0.1536				3.7		20.0			
Chloroform	0.4943 0.6733	0.5820 0.6812	0.6400	0.6634	0.6836	Ave		0.6311			0.2000	11.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 14:43 Calibration End Date: 06/16/2021 17:01 Calibration ID: 61772

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1,1-Trichloroethane	0.5153 0.6513	0.5345 0.6595	0.6146	0.6443	0.6637	Ave		0.6119			0.1000	10.1		20.0			
Cyclohexane	0.4797 0.6439	0.5296 0.6544	0.6251	0.6504	0.6547	Ave		0.6054			0.1000	11.7		20.0			
1,1-Dichloropropene	0.3763 0.5342	0.4404 0.5393	0.5076	0.5251	0.5433	Ave		0.4952				12.8		20.0			
Carbon tetrachloride	0.3971 0.5759	0.4765 0.5775	0.5379	0.5632	0.5793	Ave		0.5296			0.1000	13.0		20.0			
Isobutyl alcohol	0.0173 0.0176	0.0178 0.0172	0.0164	0.0174	0.0183	Ave		0.0174				3.2		20.0			
1,2-Dichloroethane	0.4169 0.5123	0.4205 0.5142	0.4801	0.5022	0.5198	Ave		0.4809			0.1000	9.2		20.0			
Benzene	1.1929 1.4645	1.3387 1.4582	1.4257	1.4522	1.4923	Ave		1.4035			0.5000	7.5		20.0			
n-Heptane	+++++ 0.3181	0.3975 0.3210	0.3158	0.3176	0.3191	Ave		0.3315				9.8		20.0			
Trichloroethene	0.3041 0.4126	0.3592 0.4162	0.4010	0.4050	0.4227	Ave		0.3887			0.1500	11.0		20.0			
Methylcyclohexane	0.5030 0.6788	0.5477 0.6891	0.6661	0.6798	0.6923	Ave		0.6367			0.1000	12.2		20.0			
1,2-Dichloropropane	0.2426 0.3600	0.2894 0.3681	0.3426	0.3561	0.3690	Ave		0.3326			0.1000	14.5		20.0			
Dibromomethane	0.1790 0.2487	0.2153 0.2502	0.2317	0.2463	0.2549	Ave		0.2323				11.7		20.0			
1,4-Dioxane	+++++ 0.0063	0.0049 0.0061	0.0062	0.0064	0.0065	Ave		0.0061				9.9		20.0			
Bromodichloromethane	0.4174 0.5137	0.4423 0.5178	0.4905	0.5028	0.5180	Ave		0.4861			0.1500	8.3		20.0			
2-Chloroethyl vinyl ether	0.1987 0.2258	0.2247 0.2252	0.2246	0.2250	0.2300	Ave		0.2220				4.7		20.0			
cis-1,3-Dichloropropene	0.4203 0.5332	0.4878 0.5251	0.5259	0.5346	0.5419	Ave		0.5098			0.1500	8.5		20.0			
4-Methyl-2-pentanone	0.3986 0.4792	0.4259 0.4775	0.4457	0.4653	0.4899	Ave		0.4546			0.0500	7.3		20.0			
Toluene	1.6650 2.1381	1.8570 2.1859	2.0367	2.0969	2.1954	Ave		2.0250			0.4000	9.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 14:43 Calibration End Date: 06/16/2021 17:01 Calibration ID: 61772

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								
trans-1,3-Dichloropropene	0.5352 0.6369	0.5554 0.6452	0.6179	0.6379	0.6559	Ave		0.6121			0.1000	7.7		20.0			
Ethyl methacrylate	0.5660 0.7433	0.6106 0.7547	0.6640	0.7051	0.7482	Ave		0.6846				10.8		20.0			
1,1,2-Trichloroethane	0.3625 0.4636	0.4223 0.4748	0.4288	0.4445	0.4677	Ave		0.4377			0.1000	8.8		20.0			
1,3-Dichloropropane	0.6195 0.7822	0.6925 0.7945	0.7347	0.7597	0.7947	Ave		0.7397				8.7		20.0			
Tetrachloroethene	0.4479 0.5852	0.4874 0.5926	0.5441	0.5638	0.5933	Ave		0.5449			0.1500	10.4		20.0			
2-Hexanone	0.3975 0.4488	0.4136 0.4563	0.4078	0.4317	0.4639	Ave		0.4314			0.0500	6.0		20.0			
Dibromochloromethane	0.3831 0.5192	0.4452 0.5382	0.4804	0.5008	0.5316	Ave		0.4855				11.4		20.0			
1,2-Dibromoethane	0.3906 0.4415	0.4081 0.4426	0.4383	0.4457	0.4557	Ave		0.4318				5.4		20.0			
Chlorobenzene	1.2013 1.3618	1.2784 1.3653	1.3022	1.3283	1.3985	Ave		1.3194			0.3000	5.0		20.0			
1,1,1,2-Tetrachloroethane	0.4402 0.5482	0.4596 0.5606	0.4949	0.5238	0.5514	Ave		0.5112				9.3		20.0			
Ethylbenzene	0.6464 0.8303	0.6981 0.8498	0.7680	0.7986	0.8479	Ave		0.7770				10.1		20.0			
m-Xylene & p-Xylene	0.7681 1.0367	0.8809 1.0680	0.9454	1.0012	1.0563	Ave		0.9652				11.3		20.0			
o-Xylene	0.7019 1.0147	0.8678 1.0424	0.9388	0.9655	1.0310	Ave		0.9374				12.8		20.0			
Styrene	1.0869 1.4909	1.2435 1.5370	1.3717	1.4396	1.5171	Ave		1.3838			0.3000	11.9		20.0			
Bromoform	+++++ 0.3930	0.2709 0.4035	0.3505	0.3720	0.3978	Ave		0.3646			0.1000	13.7		20.0			
Isopropylbenzene	1.9468 2.6219	2.2223 2.6623	2.4375	2.5148	2.6669	Ave		2.4389			0.1000	11.0		20.0			
1,1,2,2-Tetrachloroethane	0.9823 1.2634	1.1094 1.2376	1.1391	1.2030	1.2872	Ave		1.1746			0.3000	9.1		20.0			
Bromobenzene	0.8833 1.1115	1.0320 1.0937	1.0226	1.0811	1.1239	Ave		1.0497				7.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 14:43 Calibration End Date: 06/16/2021 17:01 Calibration ID: 61772

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								
trans-1,4-Dichloro-2-butene	0.2883 0.3873	0.3394 0.3770	0.3647	0.3768	0.3997	Ave		0.3619				10.4		20.0			
1,2,3-Trichloropropane	0.4590 0.4883	0.4084 0.4837	0.4585	0.4733	0.4959	Ave		0.4667				6.3		20.0			
n-Propylbenzene	0.9334 1.3608	1.1263 1.3423	1.2378	1.3149	1.3718	Ave		1.2411				12.9		20.0			
2-Chlorotoluene	0.8422 1.1208	0.9271 1.1124	1.0372	1.0858	1.1429	Ave		1.0384				10.9		20.0			
1,3,5-Trimethylbenzene	2.8840 3.9173	3.3485 3.8757	3.5241	3.7993	3.9746	Ave		3.6176				10.9		20.0			
4-Chlorotoluene	0.8797 1.1457	1.0036 1.1392	1.0442	1.1102	1.1797	Ave		1.0717				9.7		20.0			
tert-Butylbenzene	2.5794 3.6599	3.1602 3.8764	3.5821	3.7975	3.7288	Ave		3.4835				13.2		20.0			
1,2,4-Trimethylbenzene	2.9079 3.9116	3.2567 3.8581	3.5734	3.7687	3.9949	Ave		3.6102				11.0		20.0			
sec-Butylbenzene	0.7784 1.0847	0.8909 1.0728	0.9903	1.0552	1.0981	Ave		0.9958				12.0		20.0			
1,3-Dichlorobenzene	1.6781 2.1712	1.9409 2.1525	1.9690	2.1041	2.2046	Ave		2.0315			0.6000	9.1		20.0			
p-Isopropyltoluene	2.9662 4.2520	3.5128 4.1934	3.8879	4.1036	4.3247	Ave		3.8915				12.6		20.0			
1,4-Dichlorobenzene	1.7811 2.1796	1.9659 2.1466	1.9705	2.1194	2.2256	Ave		2.0555			0.5000	7.6		20.0			
n-Butylbenzene	2.4389 3.4419	2.7239 3.4023	3.1498	3.3692	3.4990	Ave		3.1464				13.0		20.0			
1,2-Dichlorobenzene	1.5523 2.0788	1.8004 2.0707	1.9171	2.0148	2.1271	Ave		1.9373			0.4000	10.5		20.0			
1,2-Dibromo-3-Chloropropane	0.2867 0.3619	0.2973 0.3668	0.3157	0.3417	0.3733	Ave		0.3348			0.0500	10.5		20.0			
1,2,4-Trichlorobenzene	0.8666 1.2916	1.0780 1.2813	1.1355	1.2550	1.3054	Ave		1.1733			0.2000	13.7		20.0			
Hexachlorobutadiene	0.3563 0.4991	0.3725 0.5073	0.4363	0.4834	0.5169	Ave		0.4531				14.6		20.0			
Naphthalene	3.0299 4.3027	3.4997 4.2250	3.8153	4.1198	4.3797	Ave		3.9103				12.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 14:43 Calibration End Date: 06/16/2021 17:01 Calibration ID: 61772

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2,3-Trichlorobenzene	0.8210 1.2093	0.9610 1.1933	1.0866	1.1655	1.2431	Ave		1.0971				14.1		20.0			
Dibromofluoromethane (Surr)	0.3049 0.3469	0.2941 0.3492	0.3306	0.3403	0.3593	Ave		0.3322				7.3		20.0			
1,2-Dichloroethane-d4 (Surr)	0.3235 0.3930	0.3516 0.3921	0.3915	0.3960	0.4052	Ave		0.3790				7.9		20.0			
Toluene-d8 (Surr)	1.5655 1.7673	1.6961 1.7779	1.7117	1.7638	1.8387	Ave		1.7316				5.0		20.0			
4-Bromofluorobenzene (Surr)	0.6196 0.6777	0.5973 0.6849	0.6317	0.6679	0.6938	Ave		0.6533				5.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 14:43 Calibration End Date: 06/16/2021 17:01 Calibration ID: 61772

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-490967/8	UX996077.D
Level 2	STD8260 240-490967/9	UX996078.D
Level 3	STD8260 240-490967/10	UX996079.D
Level 4	ICIS 240-490967/11	UX996080.D
Level 5	STD8260 240-490967/12	UX996081.D
Level 6	STD8260 240-490967/13	UX996082.D
Level 7	STD8260 240-490967/14	UX996083.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	+++++ 682472	14018 1018665	173889	344523	522586	+++++ 40.0	1.00 60.0	10.0	20.0	30.0
Chloromethane	FB	Ave	7436 686094	15932 1005026	165221	332833	516971	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Vinyl chloride	FB	Ave	7194 701593	15053 1029460	168890	339169	533152	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Butadiene	FB	Ave	6528 648177	13339 955399	152043	312336	489433	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Bromomethane	FB	Ave	5862 571885	12402 929739	124486	250248	407890	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Chloroethane	FB	Ave	+++++ 502381	10338 793778	113719	235609	371328	+++++ 40.0	1.00 60.0	10.0	20.0	30.0
Dichlorofluoromethane	FB	Ave	11859 1052702	23630 1577614	250194	509249	796338	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Trichlorofluoromethane	FB	Ave	9917 1023201	22197 1543376	239575	500518	769362	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Ethyl ether	FB	Ave	5008 481554	10546 732536	116569	231868	367294	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Acrolein	FB	Ave	+++++ 133218	3355 203137	30248	61705	98682	+++++ 200	5.00 300	50.0	100	150
1,1-Dichloroethene	FB	Ave	7975 863025	16907 1303010	204619	424631	652439	0.500 40.0	1.00 60.0	10.0	20.0	30.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	FB	Ave	+++++ 609778	12123 912347	149628	303428	465021	+++++ 40.0	1.00 60.0	10.0	20.0	30.0
Acetone	FB	Ave	2755 156658	4668 236418	37618	78069	121442	1.00 80.0	2.00 120	20.0	40.0	60.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 14:43 Calibration End Date: 06/16/2021 17:01 Calibration ID: 61772

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
Iodomethane	FB	Ave	+++++ 678923	12265 996280	140537	309938	497763	+++++ 40.0	1.00 60.0	10.0	20.0	30.0
Carbon disulfide	FB	Ave	18628 1655727	36650 2472959	389500	800178	1253675	0.500 40.0	1.00 60.0	10.0	20.0	30.0
3-Chloro-1-propene	FB	Ave	12370 846299	22582 1265583	217161	412641	648445	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Methyl acetate	FB	Ave	15481 1118527	28790 1675459	264760	535724	853818	1.00 80.0	2.00 120	20.0	40.0	60.0
Methylene Chloride	FB	Ave	10286 712346	18567 1080419	172872	353617	545180	0.500 40.0	1.00 60.0	10.0	20.0	30.0
tert-Butyl alcohol	FB	Ave	12513 1061600	25341 1546556	249228	511803	813982	5.00 400	10.0 600	100	200	300
Acrylonitrile	FB	Ave	34220 3080739	69408 4620512	727987	1489482	2358582	5.00 400	10.0 600	100	200	300
Methyl tert-butyl ether	FB	Ave	21953 2007784	44397 3032098	479236	978856	1541682	0.500 40.0	1.00 60.0	10.0	20.0	30.0
trans-1,2-Dichloroethene	FB	Ave	7482 808021	16375 1223595	191879	388969	606514	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Hexane	FB	Ave	8169 824179	17168 1245438	207347	410543	622659	0.500 40.0	1.00 60.0	10.0	20.0	30.0
1,1-Dichloroethane	FB	Ave	11775 1067418	24227 1606244	259944	523097	820175	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Vinyl acetate	FB	Ave	16414 1390617	32846 2096399	331979	664360	1051032	0.500 40.0	1.00 60.0	10.0	20.0	30.0
2-Butanone	FB	Ave	+++++ 225330	4895 338578	51736	107478	169098	+++++ 80.0	2.00 120	20.0	40.0	60.0
cis-1,2-Dichloroethene	FB	Ave	6016 697140	14331 1038334	165783	334614	530804	0.500 40.0	1.00 60.0	10.0	20.0	30.0
2,2-Dichloropropane	FB	Ave	11884 1066284	24115 1578818	261506	527762	815610	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Bromochloromethane	FB	Ave	5300 449714	10073 667924	106900	217730	341264	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Tetrahydrofuran	FB	Ave	6901 509869	12551 761035	118663	243892	386689	1.00 80.0	2.00 120	20.0	40.0	60.0
Chloroform	FB	Ave	11160 1084919	24065 1631356	264285	536336	829706	0.500 40.0	1.00 60.0	10.0	20.0	30.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 14:43 Calibration End Date: 06/16/2021 17:01 Calibration ID: 61772

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,1,1-Trichloroethane	FB	Ave	11635 1049525	22102 1579482	253793	520858	805596	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Cyclohexane	FB	Ave	10830 1037506	21901 1567117	258101	525822	794621	0.500 40.0	1.00 60.0	10.0	20.0	30.0
1,1-Dichloropropene	FB	Ave	8497 860811	18212 1291462	209610	424483	659454	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Carbon tetrachloride	FB	Ave	8965 927939	19705 1383029	222095	455328	703130	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Isobutyl alcohol	FB	Ave	9784 710380	18356 1032379	169650	352018	554771	12.5 1000	25.0 1500	250	500	750
1,2-Dichloroethane	FB	Ave	9412 825579	17389 1231571	198260	406020	630945	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Benzene	FB	Ave	26934 2359886	55357 3492254	588730	1174016	1811305	0.500 40.0	1.00 60.0	10.0	20.0	30.0
n-Heptane	FB	Ave	+++++ 512601	16437 768673	130396	256739	387339	+++++ 40.0	1.00 60.0	10.0	20.0	30.0
Trichloroethene	FB	Ave	6866 664885	14855 996731	165581	327398	513069	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Methylcyclohexane	FB	Ave	11356 1093803	22648 1650367	275032	549544	840363	0.500 40.0	1.00 60.0	10.0	20.0	30.0
1,2-Dichloropropane	FB	Ave	5478 580177	11968 881633	141458	287851	447894	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Dibromomethane	FB	Ave	4041 400755	8903 599128	95661	199130	309420	0.500 40.0	1.00 60.0	10.0	20.0	30.0
1,4-Dioxane	FB	Ave	+++++ 203294	4044 290952	50993	103916	158914	+++++ 800	20.0 1200	200	400	600
Bromodichloromethane	FB	Ave	9425 827754	18290 1240044	202550	406469	628745	0.500 40.0	1.00 60.0	10.0	20.0	30.0
2-Chloroethyl vinyl ether	FB	Ave	8972 727785	18583 1078570	185494	363818	558430	1.00 80.0	2.00 120	20.0	40.0	60.0
cis-1,3-Dichloropropene	FB	Ave	9490 859156	20173 1257561	217161	432162	657727	0.500 40.0	1.00 60.0	10.0	20.0	30.0
4-Methyl-2-pentanone	FB	Ave	17998 1544443	35221 2287223	368058	752354	1189367	1.00 80.0	2.00 120	20.0	40.0	60.0
Toluene	CBNZ d5	Ave	28896	58877	655916	1314635	2035848	0.500	1.00	10.0	20.0	30.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 14:43 Calibration End Date: 06/16/2021 17:01 Calibration ID: 61772

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
			2644079	3969286				40.0	60.0			
trans-1,3-Dichloropropene	CBNZ d5	Ave	9288	17608	199007	399952	608251	0.500	1.00	10.0	20.0	30.0
			787667	1171662				40.0	60.0			
Ethyl methacrylate	CBNZ d5	Ave	9823	19361	213847	442057	693776	0.500	1.00	10.0	20.0	30.0
			919210	1370456				40.0	60.0			
1,1,2-Trichloroethane	CBNZ d5	Ave	6292	13389	138088	278661	433721	0.500	1.00	10.0	20.0	30.0
			573255	862088				40.0	60.0			
1,3-Dichloropropane	CBNZ d5	Ave	10751	21957	236601	476258	736930	0.500	1.00	10.0	20.0	30.0
			967254	1442629				40.0	60.0			
Tetrachloroethene	CBNZ d5	Ave	7773	15453	175238	353445	550138	0.500	1.00	10.0	20.0	30.0
			723721	1076176				40.0	60.0			
2-Hexanone	CBNZ d5	Ave	13796	26228	262660	541341	860357	1.00	2.00	20.0	40.0	60.0
			1109905	1657221				80.0	120			
Dibromochloromethane	CBNZ d5	Ave	6648	14116	154700	313968	492974	0.500	1.00	10.0	20.0	30.0
			642057	977377				40.0	60.0			
1,2-Dibromoethane	CBNZ d5	Ave	6778	12939	141158	279419	422571	0.500	1.00	10.0	20.0	30.0
			545998	803677				40.0	60.0			
Chlorobenzene	CBNZ d5	Ave	20849	40533	419379	832781	1296819	0.500	1.00	10.0	20.0	30.0
			1684040	2479225				40.0	60.0			
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	7640	14572	159397	328363	511340	0.500	1.00	10.0	20.0	30.0
			677945	1017939				40.0	60.0			
Ethylbenzene	CBNZ d5	Ave	11219	22133	247341	500681	786260	0.500	1.00	10.0	20.0	30.0
			1026772	1543164				40.0	60.0			
m-Xylene & p-Xylene	CBNZ d5	Ave	13330	27929	304483	627710	979492	0.500	1.00	10.0	20.0	30.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 14:43 Calibration End Date: 06/16/2021 17:01 Calibration ID: 61772

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
			1281966	1939280				40.0	60.0			
o-Xylene	CBNZ d5	Ave	12181	27513	302342	605288	956064	0.500	1.00	10.0	20.0	30.0
			1254817	1892844				40.0	60.0			
Styrene	CBNZ d5	Ave	18863	39426	441770	902563	1406813	0.500	1.00	10.0	20.0	30.0
			1843734	2790999				40.0	60.0			
Bromoform	CBNZ d5	Ave	+++++	8589	112884	233202	368898	+++++	1.00	10.0	20.0	30.0
			486043	732712				40.0	60.0			
Isopropylbenzene	CBNZ d5	Ave	33786	70460	784986	1576634	2473073	0.500	1.00	10.0	20.0	30.0
			3242329	4834328				40.0	60.0			
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	8909	18381	200352	408681	647390	0.500	1.00	10.0	20.0	30.0
			852700	1267664				40.0	60.0			
Bromobenzene	DCBd 4	Ave	8011	17098	179859	367268	565275	0.500	1.00	10.0	20.0	30.0
			750198	1120330				40.0	60.0			
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	2615	5623	64156	128017	201048	0.500	1.00	10.0	20.0	30.0
			261426	386169				40.0	60.0			
1,2,3-Trichloropropane	DCBd 4	Ave	4163	6766	80650	160807	249421	0.500	1.00	10.0	20.0	30.0
			329566	495513				40.0	60.0			
n-Propylbenzene	DCBd 4	Ave	8466	18661	217719	446695	689971	0.500	1.00	10.0	20.0	30.0
			918433	1374975				40.0	60.0			
2-Chlorotoluene	DCBd 4	Ave	7639	15360	182427	368876	574856	0.500	1.00	10.0	20.0	30.0
			756510	1139411				40.0	60.0			
1,3,5-Trimethylbenzene	DCBd 4	Ave	26157	55477	619861	1290714	1999081	0.500	1.00	10.0	20.0	30.0
			2643946	3970005				40.0	60.0			
4-Chlorotoluene	DCBd 4	Ave	7979	16627	183658	377149	593337	0.500	1.00	10.0	20.0	30.0

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 14:43 Calibration End Date: 06/16/2021 17:01 Calibration ID: 61772

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
			773250	1166857				40.0	60.0			
tert-Butylbenzene	DCBd 4	Ave	23395 2470260	52357 3970678	630059	1290101	1875415	0.500 40.0	1.00 60.0	10.0	20.0	30.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	26374 2640104	53956 3951895	628530	1280312	2009295	0.500 40.0	1.00 60.0	10.0	20.0	30.0
sec-Butylbenzene	DCBd 4	Ave	7060 732107	14761 1098900	174181	358468	552293	0.500 40.0	1.00 60.0	10.0	20.0	30.0
1,3-Dichlorobenzene	DCBd 4	Ave	15220 1465411	32156 2204810	346332	714815	1108830	0.500 40.0	1.00 60.0	10.0	20.0	30.0
p-Isopropyltoluene	DCBd 4	Ave	26903 2869839	58200 4295403	683849	1394101	2175148	0.500 40.0	1.00 60.0	10.0	20.0	30.0
1,4-Dichlorobenzene	DCBd 4	Ave	16154 1471129	32571 2198809	346596	720021	1119407	0.500 40.0	1.00 60.0	10.0	20.0	30.0
n-Butylbenzene	DCBd 4	Ave	22120 2323101	45129 3485059	554025	1144583	1759861	0.500 40.0	1.00 60.0	10.0	20.0	30.0
1,2-Dichlorobenzene	DCBd 4	Ave	14079 1403055	29828 2121041	337208	684488	1069868	0.500 40.0	1.00 60.0	10.0	20.0	30.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	2600 244255	4925 375741	55524	116068	187749	0.500 40.0	1.00 60.0	10.0	20.0	30.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	7860 871748	17860 1312425	199716	426346	656588	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Hexachlorobutadiene	DCBd 4	Ave	3232 336884	6172 519642	76738	164234	259986	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Naphthalene	DCBd 4	Ave	27481	57982	671074	1399596	2202841	0.500	1.00	10.0	20.0	30.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 14:43 Calibration End Date: 06/16/2021 17:01 Calibration ID: 61772

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
			2904095	4327701				40.0	60.0			
1,2,3-Trichlorobenzene	DCBd 4	Ave	7446 816216	15922 1222342	191128	395950	625212	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Dibromofluoromethane (Surr)	FB	Ave	6883 559067	12163 836324	136524	275098	436113	0.500 40.0	1.00 60.0	10.0	20.0	30.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	7303 633292	14537 938974	161663	320169	491881	0.500 40.0	1.00 60.0	10.0	20.0	30.0
Toluene-d8 (Surr)	CBNZ d5	Ave	27169 2185538	53775 3228497	551266	1105817	1705021	0.500 40.0	1.00 60.0	10.0	20.0	30.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	10753 838021	18939 1243747	203428	418764	643387	0.500 40.0	1.00 60.0	10.0	20.0	30.0

Curve Type Legend
Ave = Average ISTD

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996077.D
Lims ID: std8260 L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 16-Jun-2021 14:43:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0110323-008
Operator ID: 001765 Instrument ID: A3UX9
Sublist: chrom-8260_9*sub46

Method: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 17-Jun-2021 08:47:46 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: bosworthh Date: 16-Jun-2021 15:33:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.877	5.877	0.000	99	903124	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.575	8.575	0.000	85	694196	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.812	10.824	-0.012	96	362792	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.297	5.285	0.012	87	6883	0.5000	0.4588	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.593	5.581	0.012	96	7303	0.5000	0.4267	
$ 6 Toluene-d8 (Surr)	98	7.262	7.262	0.000	92	27169	0.5000	0.4520	
$ 7 4-Bromofluorobenzene (Surr)	95	9.687	9.687	0.000	91	10753	0.5000	0.4742	
9 Dichlorodifluoromethane	85		1.783				ND	ND	U
10 Chloromethane	50	1.972	1.960	0.012	94	7436	0.5000	0.4120	
11 Vinyl chloride	62	2.091	2.091	0.000	96	7194	0.5000	0.3961	
12 Butadiene	54	2.138	2.126	0.012	97	6528	0.5000	0.3937	
13 Bromomethane	94	2.458	2.422	0.036	84	5862	0.5000	0.4039	
15 Chloroethane	64		2.528				ND	ND	U
16 Dichlorofluoromethane	67	2.753	2.741	0.012	95	11859	0.5000	0.4275	
17 Trichlorofluoromethane	101	2.824	2.812	0.012	95	9917	0.5000	0.3760	
18 Ethyl ether	59	3.108	3.096	0.012	88	5008	0.5000	0.3975	
21 Acrolein	56		3.215				ND	ND	U
24 1,1-Dichloroethene	61	3.333	3.321	0.012	97	7975	0.5000	0.3636	
22 112TCTFE	101		3.321				ND	ND	U
23 Acetone	58	3.381	3.369	0.012	99	2755	1.00	1.19	
25 Iodomethane	142		3.475				ND	ND	U
26 Carbon disulfide	76	3.546	3.534	0.012	100	18628	0.5000	0.4286	
28 3-Chloro-1-propene	41	3.665	3.653	0.011	87	12370	0.5000	0.5157	
29 Methyl acetate	43	3.676	3.676	0.000	96	15481	1.00	1.00	
30 Methylene Chloride	49	3.771	3.759	0.012	89	10286	0.5000	0.5139	
31 2-Methyl-2-propanol	59	3.854	3.866	-0.012	98	12513	5.00	4.43	
32 Acrylonitrile	53	3.984	3.972	0.012	97	34220	5.00	4.22	
33 Methyl tert-butyl ether	73	4.019	4.019	0.000	98	21953	0.5000	0.4150	
34 trans-1,2-Dichloroethene	61	4.031	4.019	0.012	51	7482	0.5000	0.3641	
35 Hexane	57	4.280	4.268	0.012	90	8169	0.5000	0.3801	
36 1,1-Dichloroethane	63	4.386	4.386	0.000	93	11775	0.5000	0.4155	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 Vinyl acetate	43	4.422	4.422	0.000	97	16414	0.5000	0.4424	
41 2-Butanone (MEK)	72		4.895				ND	ND	U
43 cis-1,2-Dichloroethene	96	4.895	4.895	0.000	78	6016	0.5000	0.3414	
42 2,2-Dichloropropane	77	4.907	4.895	0.012	82	11884	0.5000	0.4198	
47 Chlorobromomethane	49	5.096	5.096	0.000	88	5300	0.5000	0.4451	
48 Tetrahydrofuran	42	5.155	5.143	0.012	78	6901	1.00	0.99	
49 Chloroform	83	5.155	5.155	0.000	94	11160	0.5000	0.3916	
50 1,1,1-Trichloroethane	97	5.333	5.333	0.000	95	11635	0.5000	0.4211	
51 Cyclohexane	84	5.404	5.392	0.012	86	10830	0.5000	0.3962	
52 1,1-Dichloropropene	75	5.475	5.475	0.000	85	8497	0.5000	0.3800	
53 Carbon tetrachloride	117	5.487	5.487	0.000	93	8965	0.5000	0.3749	
54 Isobutyl alcohol	41	5.522	5.522	0.000	91	9784	12.5	12.4	
56 1,2-Dichloroethane	62	5.652	5.652	0.000	59	9412	0.5000	0.4334	
55 Benzene	78	5.652	5.652	0.000	96	26934	0.5000	0.4250	
58 n-Heptane	71		5.865				ND	ND	U
60 Trichloroethene	130	6.197	6.197	0.000	93	6866	0.5000	0.3912	
62 Methylcyclohexane	83	6.374	6.386	-0.012	86	11356	0.5000	0.3950	
63 1,2-Dichloropropane	63	6.386	6.386	0.000	70	5478	0.5000	0.3648	
66 Dibromomethane	174	6.493	6.492	0.001	91	4041	0.5000	0.3852	
65 1,4-Dioxane	88		6.504				ND	ND	U
67 Dichlorobromomethane	83	6.611	6.611	0.000	95	9425	0.5000	0.4294	
69 2-Chloroethyl vinyl ether	63	6.859	6.859	0.000	91	8972	1.00	0.8950	
71 cis-1,3-Dichloropropene	75	7.001	7.001	0.000	94	9490	0.5000	0.4122	
72 4-Methyl-2-pentanone (MIBK)	43	7.120	7.120	0.000	94	17998	1.00	0.8768	
73 Toluene	91	7.321	7.321	0.000	95	28896	0.5000	0.4111	
74 trans-1,3-Dichloropropene	75	7.486	7.486	0.000	91	9288	0.5000	0.4372	
75 Ethyl methacrylate	69	7.557	7.546	0.011	84	9823	0.5000	0.4134	
76 1,1,2-Trichloroethane	97	7.652	7.652	0.000	82	6292	0.5000	0.4141	
77 1,3-Dichloropropane	76	7.818	7.818	0.000	88	10751	0.5000	0.4188	
78 Tetrachloroethene	166	7.818	7.818	0.000	80	7773	0.5000	0.4110	
80 2-Hexanone	43	7.865	7.865	0.000	96	13796	1.00	0.9214	
82 Chlorodibromomethane	129	8.031	8.031	0.000	87	6648	0.5000	0.3945	
83 Ethylene Dibromide	107	8.149	8.149	0.000	96	6778	0.5000	0.4523	
85 Chlorobenzene	112	8.599	8.599	0.000	97	20849	0.5000	0.4553	
86 1,1,1,2-Tetrachloroethane	131	8.670	8.670	0.000	89	7640	0.5000	0.4305	
87 Ethylbenzene	106	8.693	8.693	0.000	98	11219	0.5000	0.4160	
88 m-Xylene & p-Xylene	106	8.800	8.800	0.000	99	13330	0.5000	0.3979	
89 o-Xylene	106	9.179	9.178	0.001	97	12181	0.5000	0.3744	
90 Styrene	104	9.190	9.190	0.000	87	18863	0.5000	0.3927	
91 Bromoform	173		9.380				ND	ND	U
92 Isopropylbenzene	105	9.534	9.533	0.001	95	33786	0.5000	0.3991	
94 1,1,2,2-Tetrachloroethane	83	9.794	9.794	0.000	90	8909	0.5000	0.4181	
95 Bromobenzene	156	9.841	9.841	0.000	92	8011	0.5000	0.4207	
96 trans-1,4-Dichloro-2-butene	53	9.853	9.853	0.000	68	2615	0.5000	0.3983	
97 1,2,3-Trichloropropane	110	9.853	9.853	0.000	80	4163	0.5000	0.4917	
98 N-Propylbenzene	120	9.924	9.936	-0.012	99	8466	0.5000	0.3761	
100 2-Chlorotoluene	126	10.019	10.030	-0.011	95	7639	0.5000	0.4056	
101 1,3,5-Trimethylbenzene	105	10.090	10.090	0.000	93	26157	0.5000	0.3986	
102 4-Chlorotoluene	126	10.125	10.125	0.000	97	7979	0.5000	0.4104	
104 tert-Butylbenzene	119	10.421	10.421	0.000	90	23395	0.5000	0.3702	
106 1,2,4-Trimethylbenzene	105	10.468	10.468	0.000	93	26374	0.5000	0.4027	
107 sec-Butylbenzene	134	10.634	10.634	0.000	93	7060	0.5000	0.3909	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 1,3-Dichlorobenzene	146	10.764	10.752	0.012	94	15220	0.5000	0.4130	
109 4-Isopropyltoluene	119	10.776	10.776	0.000	94	26903	0.5000	0.3811	
110 1,4-Dichlorobenzene	146	10.847	10.847	0.000	93	16154	0.5000	0.4332	
113 n-Butylbenzene	91	11.178	11.178	0.000	98	22120	0.5000	0.3876	
114 1,2-Dichlorobenzene	146	11.214	11.214	0.000	91	14079	0.5000	0.4006	
115 1,2-Dibromo-3-Chloropropane	157	11.983	11.983	0.000	81	2600	0.5000	0.4282	
117 1,2,4-Trichlorobenzene	180	12.823	12.823	0.000	92	7860	0.5000	0.3693	
118 Hexachlorobutadiene	225	13.001	13.000	0.001	82	3232	0.5000	0.3932	
119 Naphthalene	128	13.095	13.083	0.012	96	27481	0.5000	0.3874	
120 1,2,3-Trichlorobenzene	180	13.356	13.355	0.001	93	7446	0.5000	0.3741	
S 158 Total BTEX	1				0		2.50	2.02	
S 128 1,2-Dichloroethene, Total	96				0			0.7055	
S 129 1,3-Dichloropropene, Total	75				0			0.8494	
S 130 Trihalomethanes, Total	83				0		2.00	1.22	
S 131 Xylenes, Total	106				0		1.00	0.7722	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

Reagents:

VMRGAS_00388	Amount Added:	0.40	Units: uL
VMAROLISTDW_00396	Amount Added:	0.40	Units: uL
VMRPRIMW_00440	Amount Added:	0.40	Units: uL
vm50ss_00444	Amount Added:	0.40	Units: uL
vm50is_stk_A_00008	Amount Added:	2.00	Units: uL

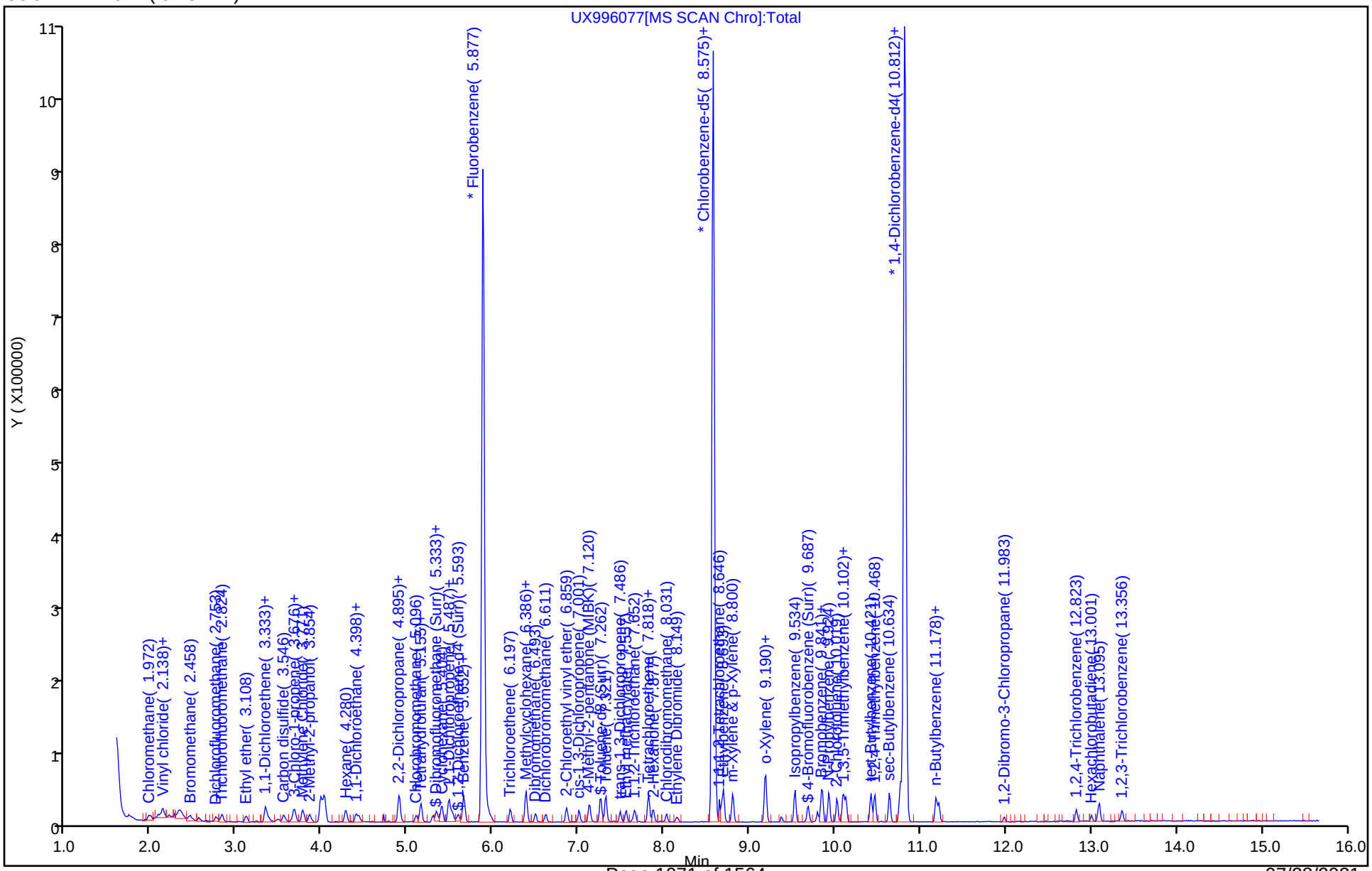
Report Date: 17-Jun-2021 08:47:46 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996077.D

Injection Date:	16-Jun-2021 14:43:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	std8260 L1			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



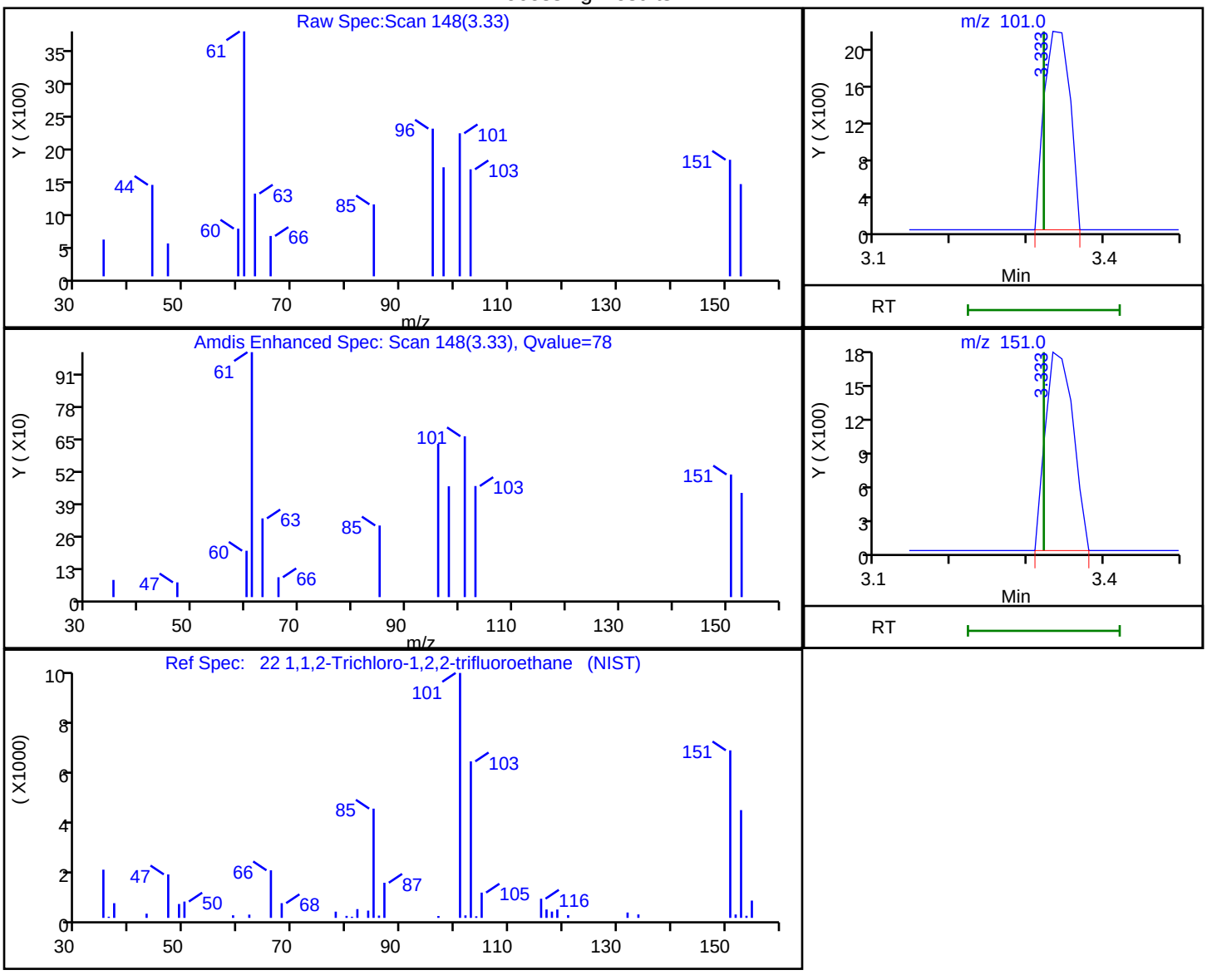
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996077.D				
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Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001765	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_9	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

22 1,1,2-Trichloro-1,2,2-trifluoroethane, CAS: 76-13-1

Processing Results



RT	Mass	Response	Amount
3.33	101.00	5148	0.517490
3.33	151.00	4530	

Reviewer: bosworthh, 17-Jun-2021 08:23:24

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

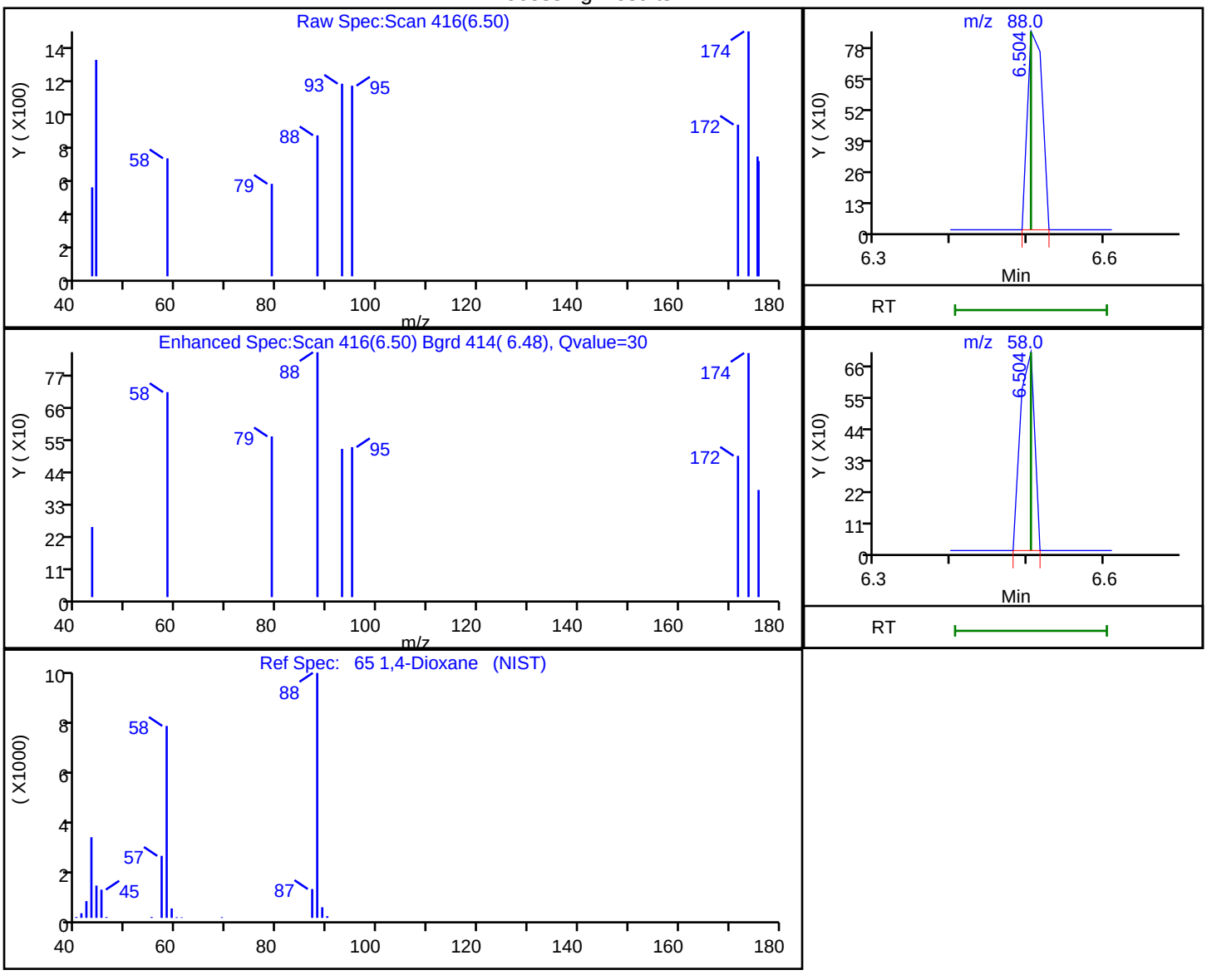
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996077.D				
Injection Date:	16-Jun-2021 14:43:30	Instrument ID:	A3UX9		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001765	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_9	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

65 1,4-Dioxane, CAS: 123-91-1

Processing Results



RT	Mass	Response	Amount
6.50	88.00	1140	9.206366
6.50	58.00	912	

Reviewer: bosworthh, 17-Jun-2021 08:26:43

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

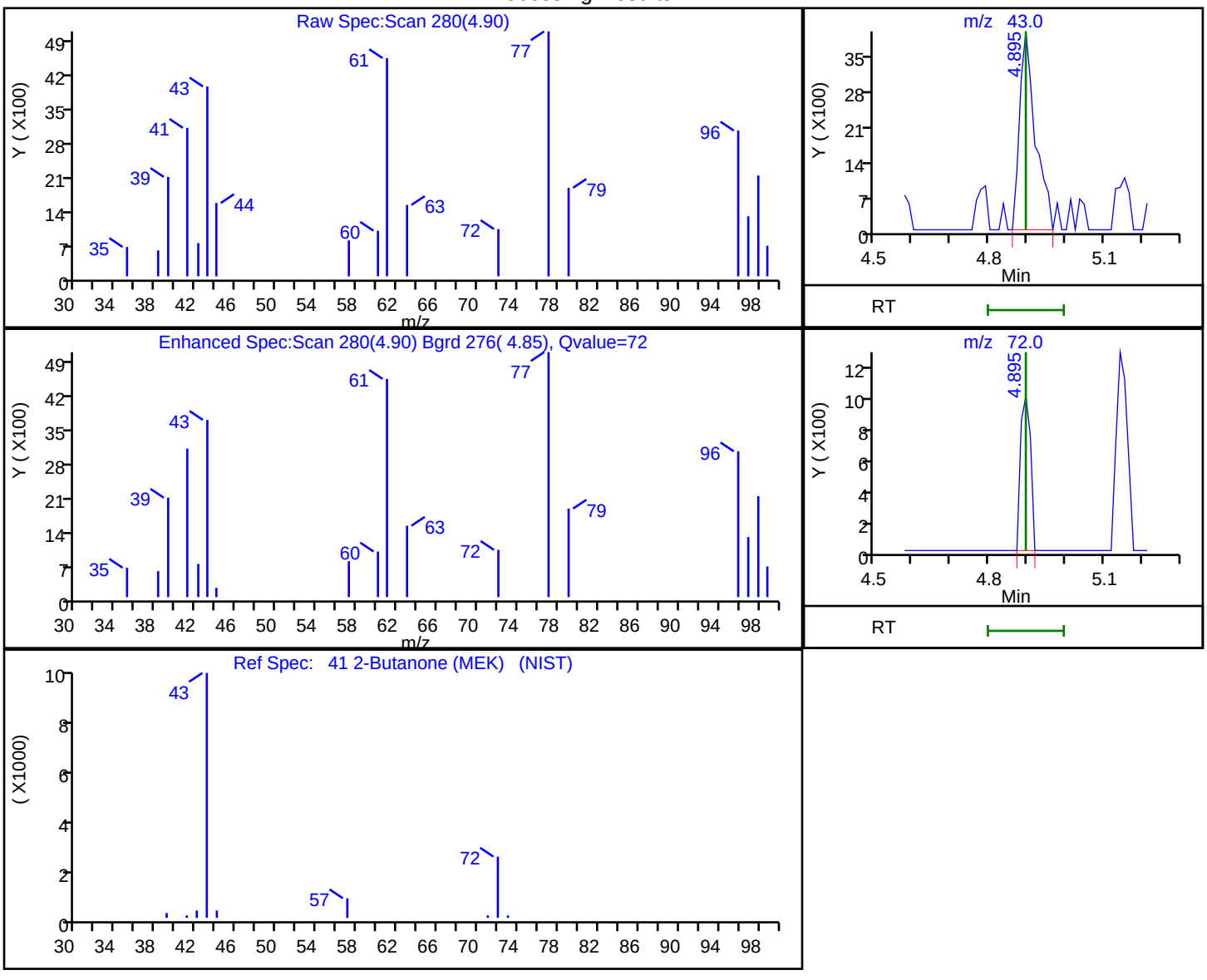
User Disabled Compound Report

Eurofins TestAmerica, Canton

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Injection Date:	16-Jun-2021 14:43:30	Instrument ID:	A3UX9		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001765	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_9	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

41 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
4.90	43.00	11306	
4.90	72.00	1786	1.014946

Reviewer: bosworthh, 17-Jun-2021 08:24:24

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

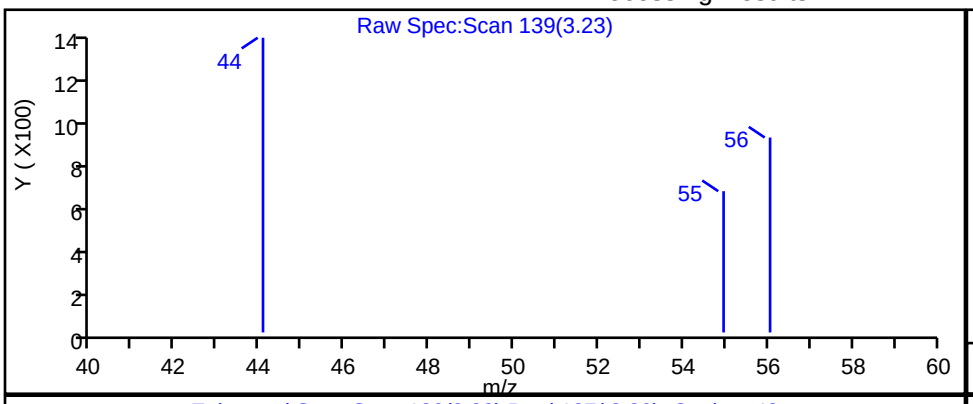
User Disabled Compound Report

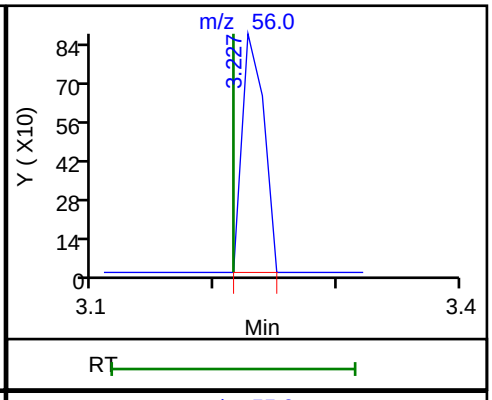
Eurofins TestAmerica, Canton

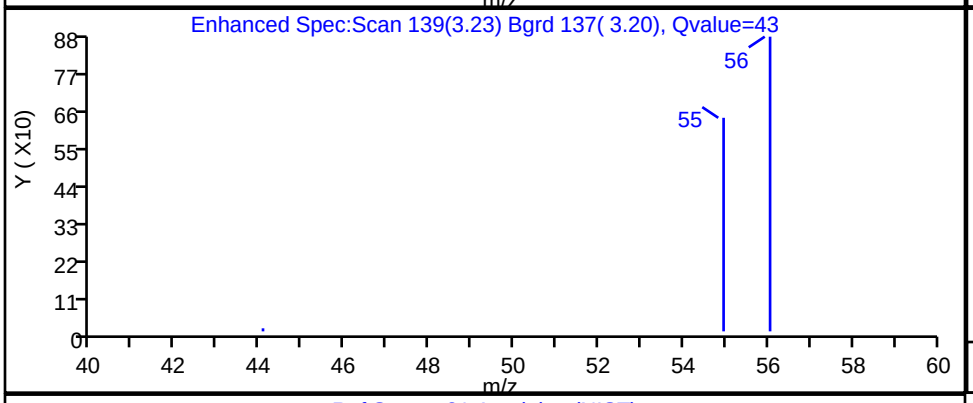
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Injection Date:	16-Jun-2021 14:43:30	Instrument ID:	A3UX9		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001765	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_9	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

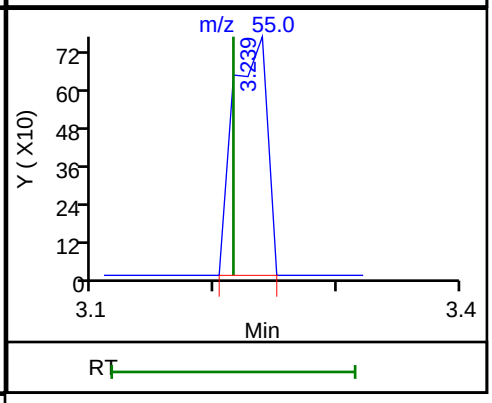
21 Acrolein, CAS: 107-02-8

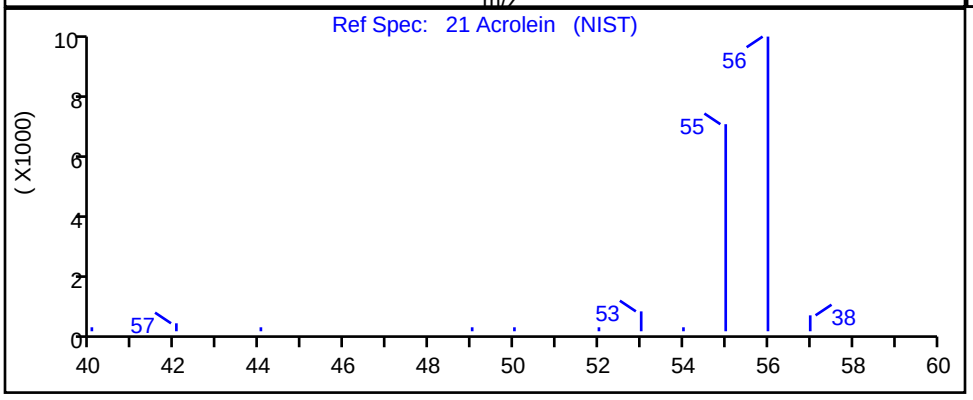
Processing Results











RT	Mass	Response	Amount
3.23	56.00	1086	2.383915
3.24	55.00	1451	

Reviewer: bosworthh, 17-Jun-2021 08:22:13

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

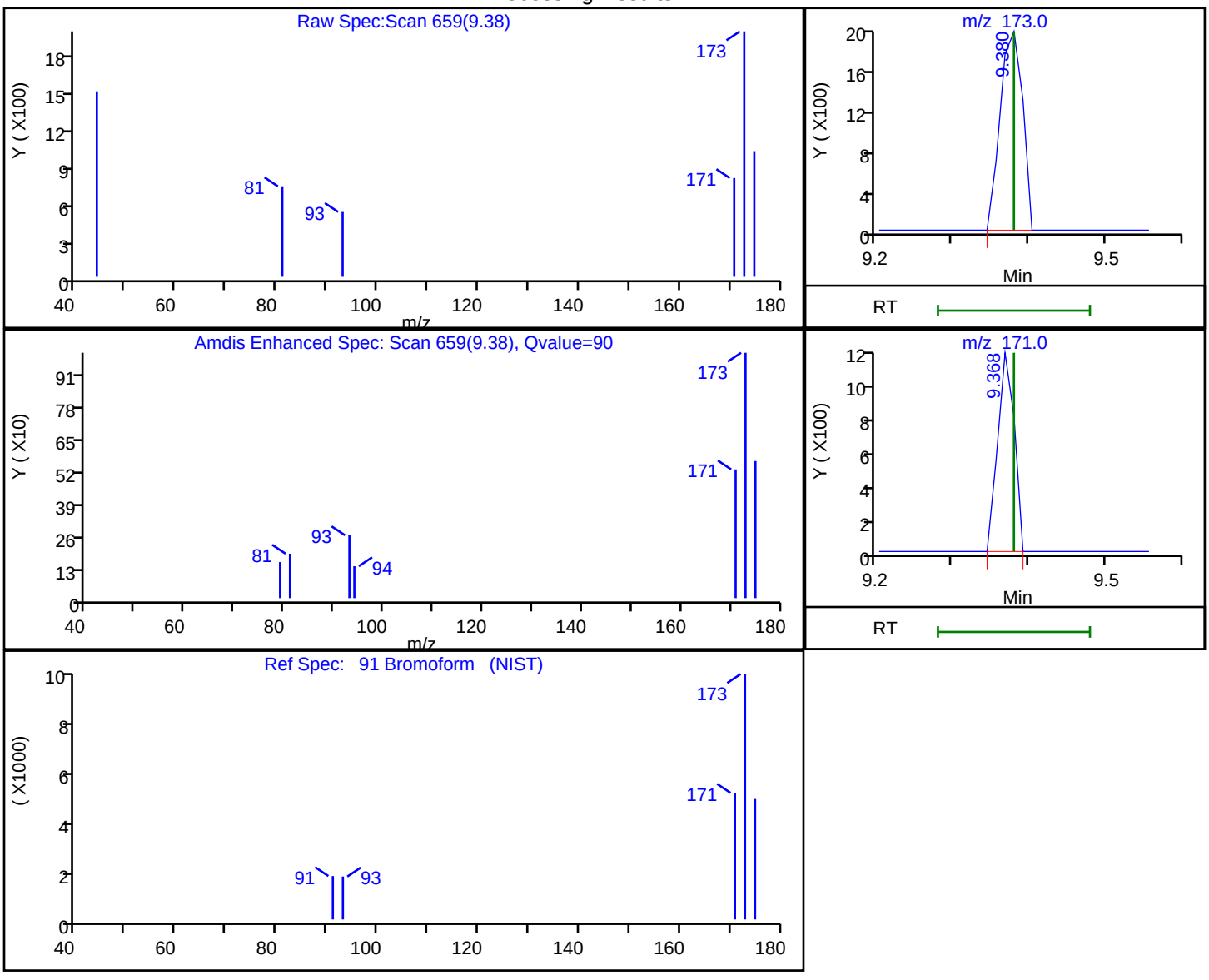
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996077.D				
Injection Date:	16-Jun-2021 14:43:30	Instrument ID:	A3UX9		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001765	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_9	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

91 Bromoform, CAS: 75-25-2

Processing Results



RT	Mass	Response	Amount
9.38	173.00	4096	0.570728
9.37	171.00	1801	

Reviewer: bosworthh, 17-Jun-2021 08:27:05

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

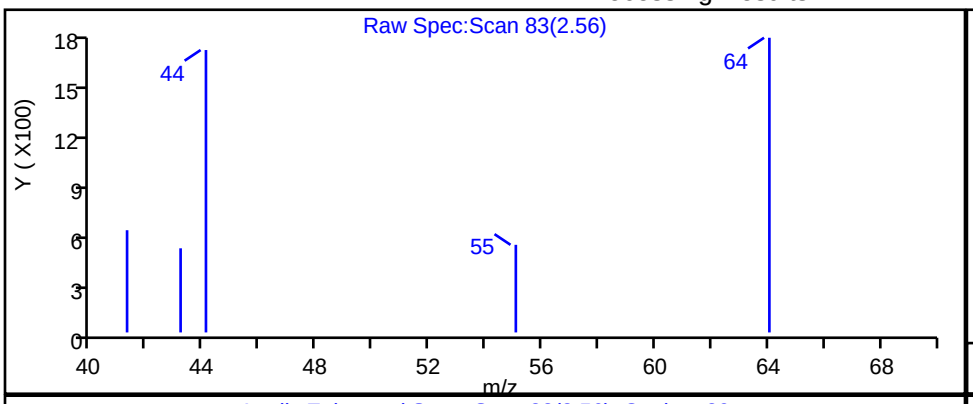
User Disabled Compound Report

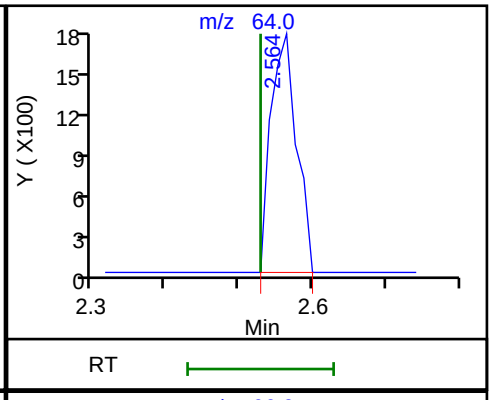
Eurofins TestAmerica, Canton

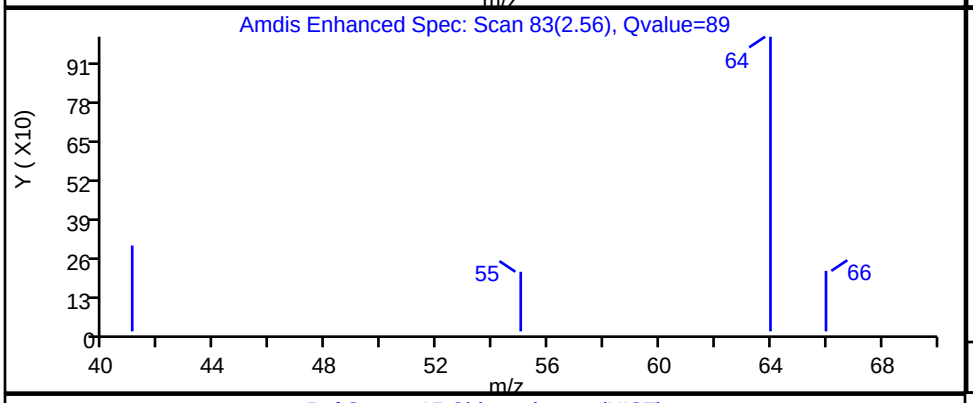
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Injection Date:	16-Jun-2021 14:43:30	Instrument ID:	A3UX9		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001765	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_9	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

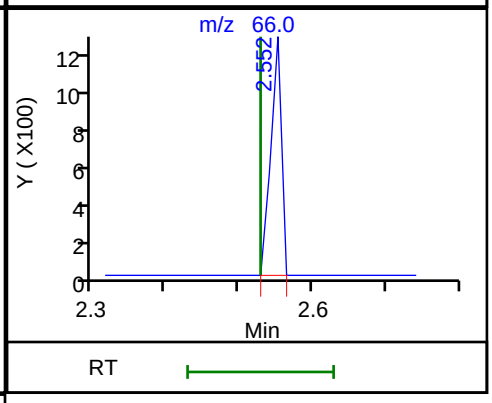
15 Chloroethane, CAS: 75-00-3

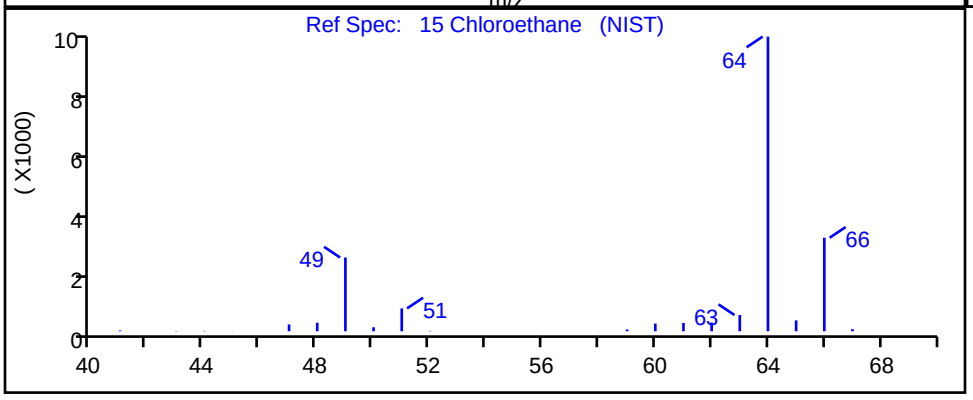
Processing Results











RT	Mass	Response	Amount
2.56	64.00	4337	0.552451
2.55	66.00	1277	

Reviewer: bosworthh, 17-Jun-2021 08:21:59

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

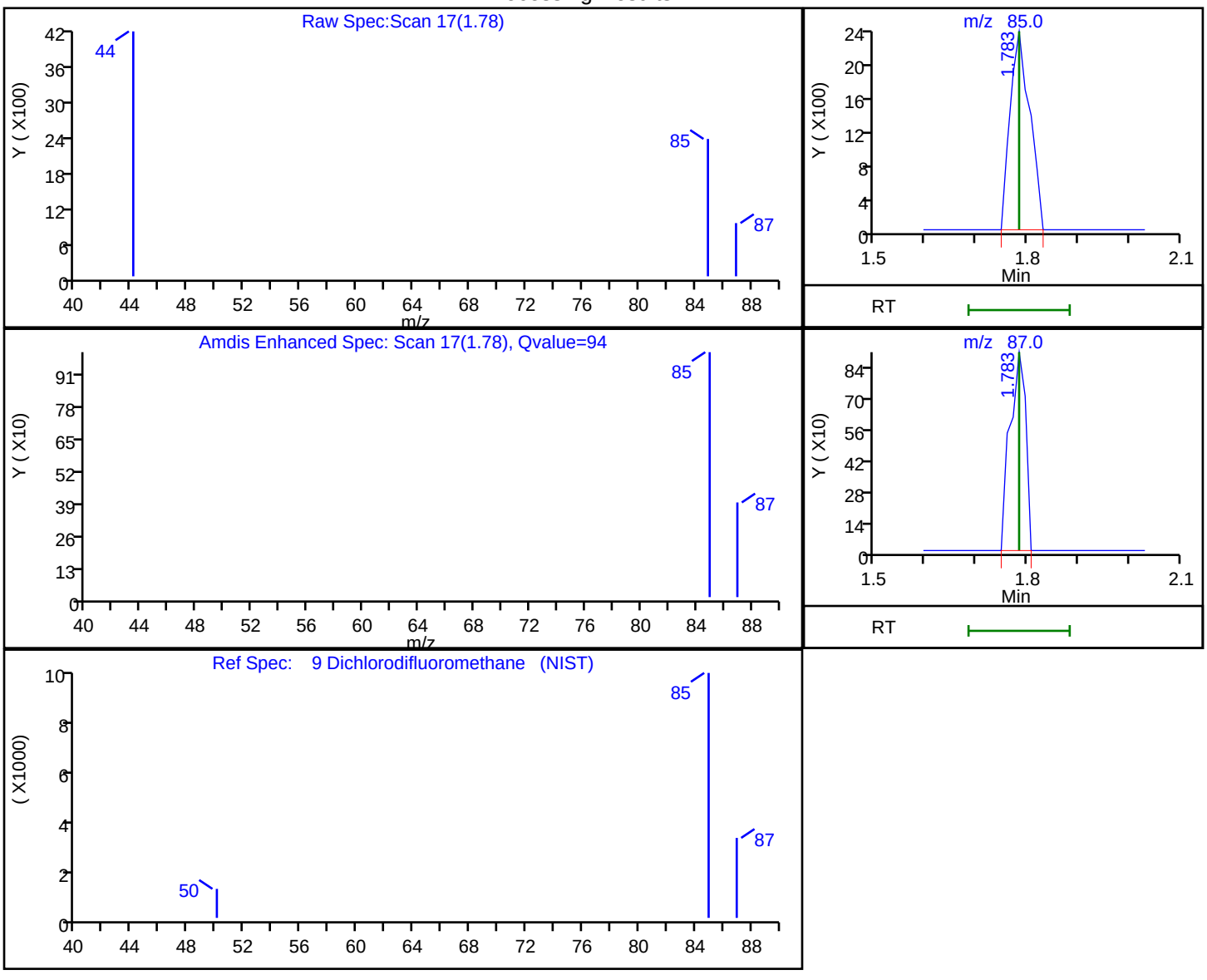
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996077.D				
Injection Date:	16-Jun-2021 14:43:30	Instrument ID:	A3UX9		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001765	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_9	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
1.78	85.00	6318	0.508721
1.78	87.00	1960	

Reviewer: bosworthh, 17-Jun-2021 08:21:08

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

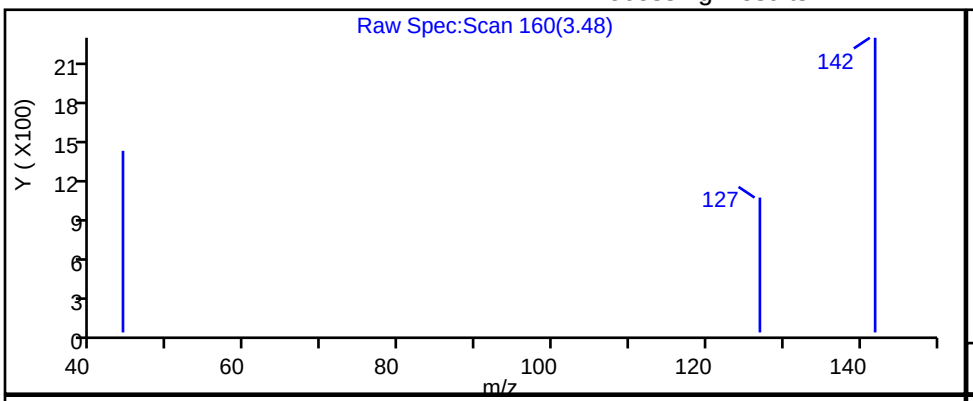
User Disabled Compound Report

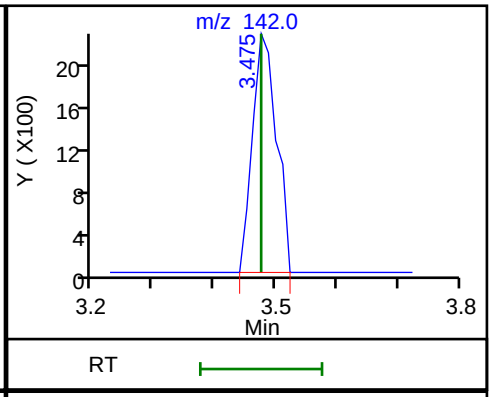
Eurofins TestAmerica, Canton

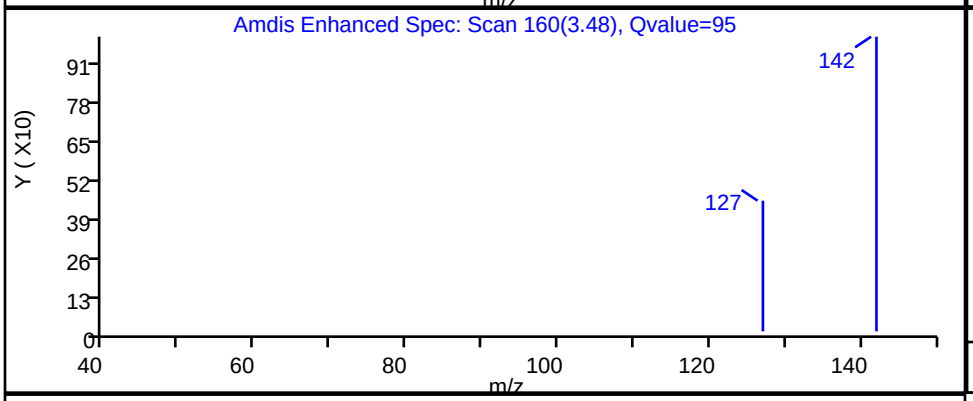
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Injection Date:	16-Jun-2021 14:43:30	Instrument ID:	A3UX9		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001765	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_9	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

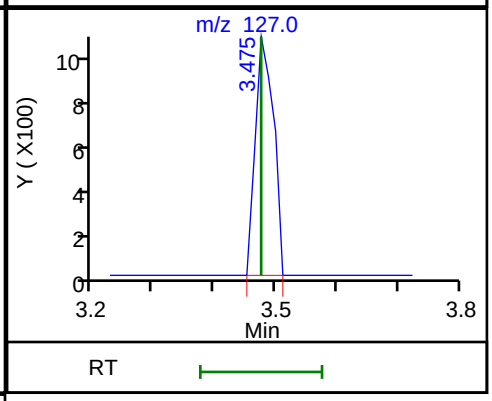
25 Iodomethane, CAS: 74-88-4

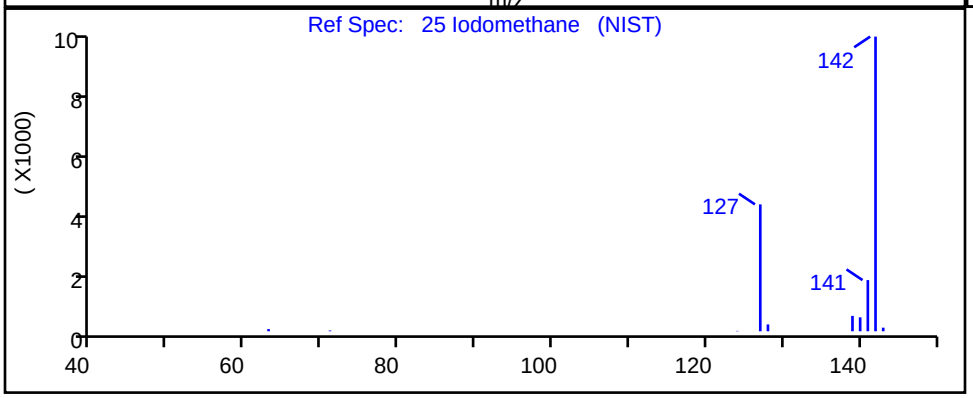
Processing Results











RT	Mass	Response	Amount
3.48	142.00	6232	0.586361
3.48	127.00	2159	

Reviewer: bosworthh, 17-Jun-2021 08:23:55

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

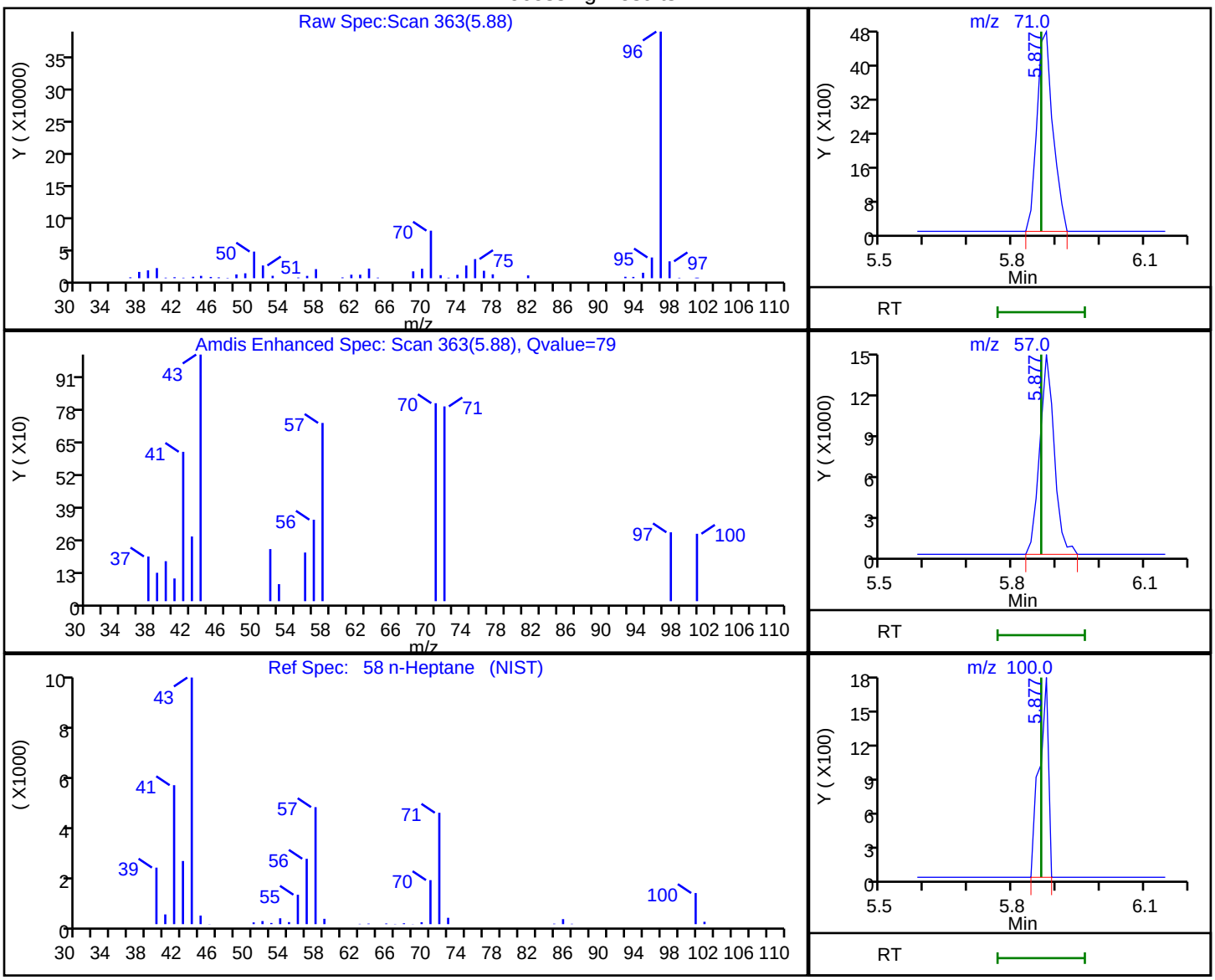
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996077.D				
Injection Date:	16-Jun-2021 14:43:30	Instrument ID:	A3UX9		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001765	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_9	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

58 n-Heptane, CAS: 142-82-5

Processing Results



RT	Mass	Response	Amount
5.88	71.00	12054	0.540371
5.88	57.00	33098	
5.88	100.00	2502	

Reviewer: bosworthh, 17-Jun-2021 08:26:15

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

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996078.D
Lims ID: std8260 L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 16-Jun-2021 15:06:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0110323-009
Operator ID: 001765 Instrument ID: A3UX9
Sublist: chrom-8260_9*sub46

Method: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 17-Jun-2021 08:47:49 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: bosworthh Date: 17-Jun-2021 08:13:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.879	5.877	0.002	99	827017	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.577	8.575	0.002	85	634120	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.813	10.824	-0.011	96	331356	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.299	5.285	0.014	91	12163	1.00	0.8855	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.595	5.581	0.014	98	14537	1.00	0.9276	
$ 6 Toluene-d8 (Surr)	98	7.252	7.262	-0.010	94	53775	1.00	0.9795	
$ 7 4-Bromofluorobenzene (Surr)	95	9.677	9.687	-0.010	91	18939	1.00	0.9144	
9 Dichlorodifluoromethane	85	1.773	1.783	-0.010	98	14018	1.00	0.8249	
10 Chloromethane	50	1.974	1.960	0.014	97	15932	1.00	0.9640	
11 Vinyl chloride	62	2.093	2.091	0.002	96	15053	1.00	0.9050	
12 Butadiene	54	2.128	2.126	0.002	91	13339	1.00	0.8784	
13 Bromomethane	94	2.459	2.422	0.037	92	12402	1.00	0.9332	
15 Chloroethane	64	2.554	2.528	0.026	97	10338	1.00	0.8494	
16 Dichlorofluoromethane	67	2.755	2.741	0.014	98	23630	1.00	0.9301	
17 Trichlorofluoromethane	101	2.826	2.812	0.014	96	22197	1.00	0.9190	
18 Ethyl ether	59	3.110	3.096	0.014	85	10546	1.00	0.9140	
21 Acrolein	56	3.229	3.215	0.014	94	3355	5.00	5.08	
24 1,1-Dichloroethene	61	3.335	3.321	0.014	98	16907	1.00	0.8418	
22 112TCTFE	101	3.335	3.321	0.014	89	12123	1.00	0.8094	
23 Acetone	58	3.371	3.369	0.001	99	4668	2.00	2.20	
25 Iodomethane	142	3.477	3.475	0.002	98	12265	1.00	0.7848	
26 Carbon disulfide	76	3.548	3.534	0.014	99	36650	1.00	0.9209	
28 3-Chloro-1-propene	41	3.666	3.653	0.013	88	22582	1.00	1.03	
29 Methyl acetate	43	3.678	3.676	0.002	97	28790	2.00	2.04	
30 Methylene Chloride	49	3.773	3.759	0.014	87	18567	1.00	1.01	
31 2-Methyl-2-propanol	59	3.856	3.866	-0.010	98	25341	10.0	9.80	
32 Acrylonitrile	53	3.986	3.972	0.014	96	69408	10.0	9.34	
33 Methyl tert-butyl ether	73	4.021	4.019	0.002	96	44397	1.00	0.9166	
34 trans-1,2-Dichloroethene	61	4.021	4.019	0.002	91	16375	1.00	0.8703	
35 Hexane	57	4.270	4.268	0.002	91	17168	1.00	0.8724	
36 1,1-Dichloroethane	63	4.400	4.386	0.014	95	24227	1.00	0.9336	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 Vinyl acetate	43	4.424	4.422	0.002	97	32846	1.00	0.9668	
42 2,2-Dichloropropane	77	4.897	4.895	0.002	85	24115	1.00	0.9302	
41 2-Butanone (MEK)	72	4.897	4.895	0.002	73	4895	2.00	1.78	
43 cis-1,2-Dichloroethene	96	4.897	4.895	0.002	85	14331	1.00	0.8880	
47 Chlorobromomethane	49	5.098	5.096	0.002	83	10073	1.00	0.9239	
48 Tetrahydrofuran	42	5.145	5.143	0.002	84	12551	2.00	1.98	
49 Chloroform	83	5.157	5.155	0.002	94	24065	1.00	0.9221	
50 1,1,1-Trichloroethane	97	5.335	5.333	0.002	98	22102	1.00	0.8735	
51 Cyclohexane	84	5.406	5.392	0.014	90	21901	1.00	0.8749	
52 1,1-Dichloropropene	75	5.477	5.475	0.002	95	18212	1.00	0.8894	
53 Carbon tetrachloride	117	5.489	5.487	0.002	98	19705	1.00	0.8998	
54 Isobutyl alcohol	41	5.524	5.522	0.002	92	18356	25.0	25.4	
56 1,2-Dichloroethane	62	5.654	5.652	0.002	60	17389	1.00	0.8745	
55 Benzene	78	5.654	5.652	0.002	96	55357	1.00	0.9538	
58 n-Heptane	71	5.867	5.865	0.002	87	16437	1.00	1.20	
60 Trichloroethene	130	6.199	6.197	0.002	97	14855	1.00	0.9242	
62 Methylcyclohexane	83	6.388	6.386	0.002	86	22648	1.00	0.8603	
63 1,2-Dichloropropane	63	6.388	6.386	0.002	87	11968	1.00	0.8703	
66 Dibromomethane	174	6.494	6.492	0.002	91	8903	1.00	0.9269	
65 1,4-Dioxane	88	6.506	6.504	0.002	38	4044	20.0	16.1	
67 Dichlorobromomethane	83	6.613	6.611	0.002	97	18290	1.00	0.9100	
69 2-Chloroethyl vinyl ether	63	6.861	6.859	0.002	92	18583	2.00	2.02	
71 cis-1,3-Dichloropropene	75	7.003	7.001	0.002	94	20173	1.00	0.9569	
72 4-Methyl-2-pentanone (MIBK)	43	7.122	7.120	0.002	92	35221	2.00	1.87	
73 Toluene	91	7.323	7.321	0.002	99	58877	1.00	0.9170	
74 trans-1,3-Dichloropropene	75	7.488	7.486	0.002	92	17608	1.00	0.9073	
75 Ethyl methacrylate	69	7.547	7.546	0.001	86	19361	1.00	0.8920	
76 1,1,2-Trichloroethane	97	7.666	7.652	0.014	92	13389	1.00	0.9647	
77 1,3-Dichloropropane	76	7.820	7.818	0.002	87	21957	1.00	0.9363	
78 Tetrachloroethene	166	7.820	7.818	0.002	82	15453	1.00	0.8944	
80 2-Hexanone	43	7.867	7.865	0.002	92	26228	2.00	1.92	
82 Chlorodibromomethane	129	8.033	8.031	0.002	89	14116	1.00	0.9170	
83 Ethylene Dibromide	107	8.151	8.149	0.002	96	12939	1.00	0.9451	
85 Chlorobenzene	112	8.601	8.599	0.002	95	40533	1.00	0.9689	
86 1,1,1,2-Tetrachloroethane	131	8.672	8.670	0.002	91	14572	1.00	0.8990	
87 Ethylbenzene	106	8.695	8.693	0.002	98	22133	1.00	0.8984	
88 m-Xylene & p-Xylene	106	8.802	8.800	0.002	99	27929	1.00	0.9126	
89 o-Xylene	106	9.180	9.178	0.002	94	27513	1.00	0.9257	
90 Styrene	104	9.192	9.190	0.002	92	39426	1.00	0.8986	
91 Bromoform	173	9.382	9.380	0.002	89	8589	1.00	0.7429	
92 Isopropylbenzene	105	9.535	9.533	0.002	95	70460	1.00	0.9112	
94 1,1,2,2-Tetrachloroethane	83	9.796	9.794	0.002	95	18381	1.00	0.9446	
95 Bromobenzene	156	9.843	9.841	0.002	95	17098	1.00	0.9831	
96 trans-1,4-Dichloro-2-butene	53	9.843	9.853	-0.010	70	5623	1.00	0.9378	
97 1,2,3-Trichloropropane	110	9.855	9.853	0.002	82	6766	1.00	0.8750	
98 N-Propylbenzene	120	9.926	9.936	-0.010	98	18661	1.00	0.9076	
100 2-Chlorotoluene	126	10.032	10.030	0.002	97	15360	1.00	0.8929	
101 1,3,5-Trimethylbenzene	105	10.092	10.090	0.002	95	55477	1.00	0.9256	
102 4-Chlorotoluene	126	10.127	10.125	0.002	97	16627	1.00	0.9364	
104 tert-Butylbenzene	119	10.423	10.421	0.002	91	52357	1.00	0.9072	
106 1,2,4-Trimethylbenzene	105	10.470	10.468	0.002	94	53956	1.00	0.9021	
107 sec-Butylbenzene	134	10.636	10.634	0.002	94	14761	1.00	0.8947	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 1,3-Dichlorobenzene	146	10.754	10.752	0.002	96	32156	1.00	0.9554	
109 4-Isopropyltoluene	119	10.778	10.776	0.002	98	58200	1.00	0.9027	
110 1,4-Dichlorobenzene	146	10.837	10.847	-0.010	95	32571	1.00	0.9564	
113 n-Butylbenzene	91	11.180	11.178	0.002	96	45129	1.00	0.8657	
114 1,2-Dichlorobenzene	146	11.216	11.214	0.002	97	29828	1.00	0.9293	
115 1,2-Dibromo-3-Chloropropane	157	11.985	11.983	0.002	84	4925	1.00	0.8880	
117 1,2,4-Trichlorobenzene	180	12.825	12.823	0.002	92	17860	1.00	0.9187	
118 Hexachlorobutadiene	225	13.002	13.000	0.002	90	6172	1.00	0.8221	
119 Naphthalene	128	13.085	13.083	0.002	97	57982	1.00	0.8950	
120 1,2,3-Trichlorobenzene	180	13.357	13.355	0.002	93	15922	1.00	0.8760	
S 158 Total BTEX	1				0		5.00	4.61	
S 128 1,2-Dichloroethene, Total	96				0			1.76	
S 129 1,3-Dichloropropene, Total	75				0			1.86	
S 130 Trihalomethanes, Total	83				0		4.00	3.49	
S 131 Xylenes, Total	106				0		2.00	1.84	

QC Flag Legend

Processing Flags

Reagents:

VMRGAS_00388	Amount Added:	0.80	Units: uL
VMAROLISTDW_00396	Amount Added:	0.80	Units: uL
VMRPRIMW_00440	Amount Added:	0.80	Units: uL
vm50ss_00444	Amount Added:	0.80	Units: uL
vm50is_stk_A_00008	Amount Added:	2.00	Units: uL

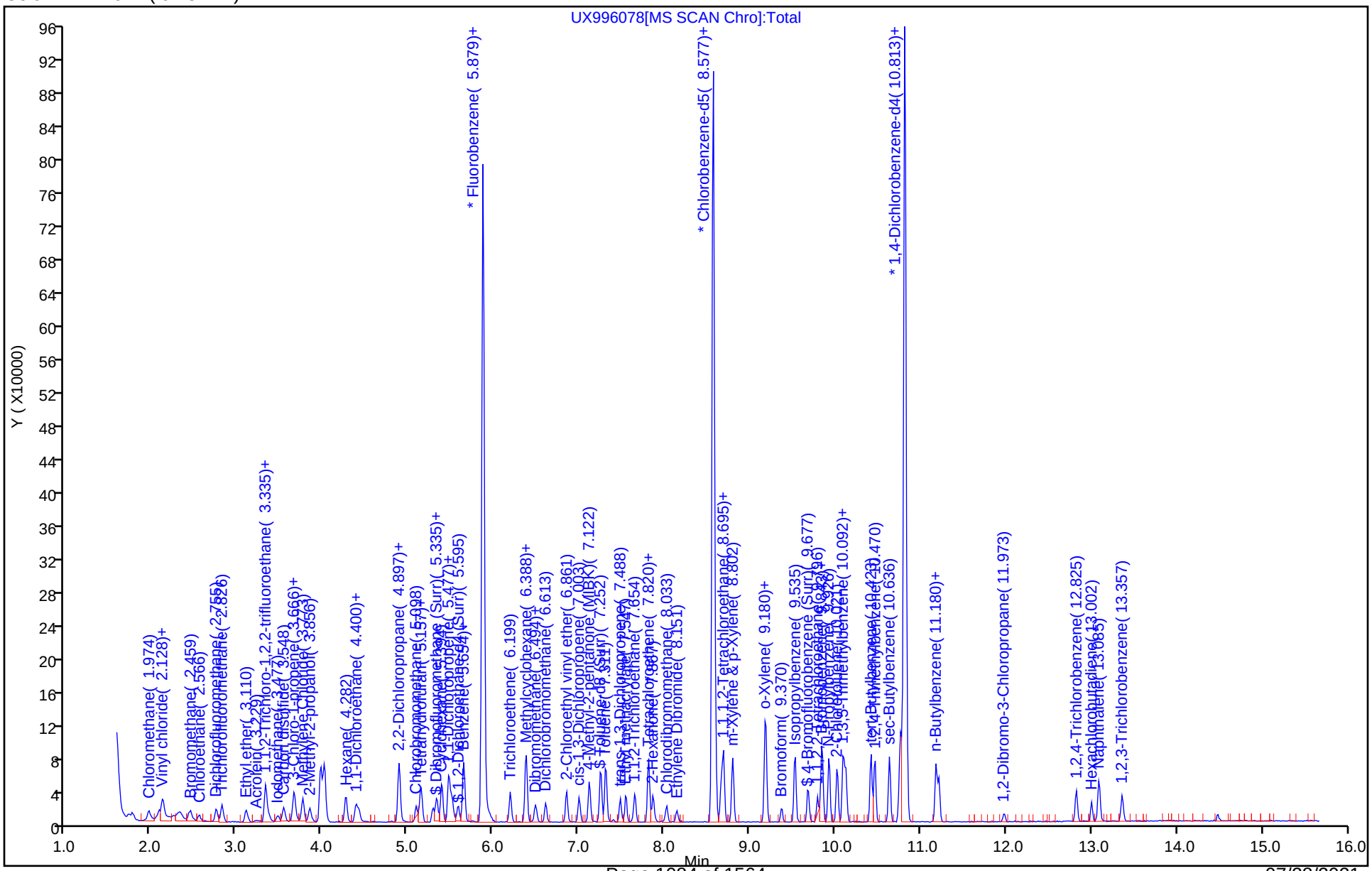
Report Date: 17-Jun-2021 08:47:50 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996078.D

Injection Date:	16-Jun-2021 15:06:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	std8260 L2			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996079.D
Lims ID: std8260 L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 16-Jun-2021 15:29:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0110323-010
Operator ID: 001765 Instrument ID: A3UX9
Sublist: chrom-8260_9*sub46

Method: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 17-Jun-2021 08:47:53 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: bosworthh Date: 17-Jun-2021 08:14:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.877	5.877	0.000	98	825857	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.575	8.575	0.000	86	644103	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.823	10.824	-0.001	93	351781	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.297	5.285	0.012	93	136524	10.0	9.95	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.593	5.581	0.012	99	161663	10.0	10.3	
$ 6 Toluene-d8 (Surr)	98	7.261	7.262	-0.001	93	551266	10.0	9.89	
$ 7 4-Bromofluorobenzene (Surr)	95	9.687	9.687	0.000	93	203428	10.0	9.67	
9 Dichlorodifluoromethane	85	1.771	1.783	-0.012	100	173889	10.0	10.2	
10 Chloromethane	50	1.960	1.960	0.000	99	165221	10.0	10.0	
11 Vinyl chloride	62	2.091	2.091	0.000	99	168890	10.0	10.2	
12 Butadiene	54	2.126	2.126	0.000	91	152043	10.0	10.0	
13 Bromomethane	94	2.446	2.422	0.024	92	124486	10.0	9.38	
15 Chloroethane	64	2.552	2.528	0.024	99	113719	10.0	9.36	
16 Dichlorofluoromethane	67	2.753	2.741	0.012	98	250194	10.0	9.86	
17 Trichlorofluoromethane	101	2.824	2.812	0.012	100	239575	10.0	9.93	
18 Ethyl ether	59	3.108	3.096	0.012	88	116569	10.0	10.1	
21 Acrolein	56	3.227	3.215	0.011	98	30248	50.0	45.8	
24 1,1-Dichloroethene	61	3.333	3.321	0.012	98	204619	10.0	10.2	
22 112TCTFE	101	3.333	3.321	0.012	94	149628	10.0	10.0	
23 Acetone	58	3.369	3.369	-0.001	99	37618	20.0	17.7	
25 Iodomethane	142	3.475	3.475	0.000	99	140537	10.0	9.00	
26 Carbon disulfide	76	3.546	3.534	0.012	100	389500	10.0	9.80	
28 3-Chloro-1-propene	41	3.664	3.653	0.011	88	217161	10.0	9.90	
29 Methyl acetate	43	3.676	3.676	0.000	97	264760	20.0	18.8	
30 Methylene Chloride	49	3.771	3.759	0.012	89	172872	10.0	9.44	
31 2-Methyl-2-propanol	59	3.854	3.866	-0.012	100	249228	100.0	96.5	
32 Acrylonitrile	53	3.972	3.972	0.000	98	727987	100.0	98.1	
33 Methyl tert-butyl ether	73	4.019	4.019	0.000	95	479236	10.0	9.91	
34 trans-1,2-Dichloroethene	61	4.019	4.019	0.000	93	191879	10.0	10.2	
35 Hexane	57	4.268	4.268	0.000	91	207347	10.0	10.6	
36 1,1-Dichloroethane	63	4.386	4.386	0.000	97	259944	10.0	10.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 Vinyl acetate	43	4.422	4.422	0.000	97	331979	10.0	9.79	
43 cis-1,2-Dichloroethene	96	4.895	4.895	0.000	83	165783	10.0	10.3	
42 2,2-Dichloropropane	77	4.895	4.895	0.000	89	261506	10.0	10.1	
41 2-Butanone (MEK)	72	4.895	4.895	0.000	93	51736	20.0	18.9	
47 Chlorobromomethane	49	5.096	5.096	0.000	90	106900	10.0	9.82	
48 Tetrahydrofuran	42	5.143	5.143	0.000	84	118663	20.0	18.7	
49 Chloroform	83	5.155	5.155	0.000	95	264285	10.0	10.1	
50 1,1,1-Trichloroethane	97	5.333	5.333	0.000	97	253793	10.0	10.0	
51 Cyclohexane	84	5.392	5.392	0.000	88	258101	10.0	10.3	
52 1,1-Dichloropropene	75	5.475	5.475	0.000	97	209610	10.0	10.3	
53 Carbon tetrachloride	117	5.487	5.487	0.000	99	222095	10.0	10.2	
54 Isobutyl alcohol	41	5.510	5.522	-0.012	93	169650	250.0	235.5	
56 1,2-Dichloroethane	62	5.652	5.652	0.000	59	198260	10.0	9.98	
55 Benzene	78	5.652	5.652	0.000	95	588730	10.0	10.2	
58 n-Heptane	71	5.865	5.865	0.000	88	130396	10.0	9.53	
60 Trichloroethene	130	6.197	6.197	0.000	97	165581	10.0	10.3	
62 Methylcyclohexane	83	6.386	6.386	0.000	87	275032	10.0	10.5	
63 1,2-Dichloropropane	63	6.386	6.386	0.000	90	141458	10.0	10.3	
66 Dibromomethane	174	6.492	6.492	0.000	96	95661	10.0	9.97	
65 1,4-Dioxane	88	6.504	6.504	0.000	90	50993	200.0	203.4	
67 Dichlorobromomethane	83	6.611	6.611	0.000	99	202550	10.0	10.1	
69 2-Chloroethyl vinyl ether	63	6.859	6.859	0.000	95	185494	20.0	20.2	
71 cis-1,3-Dichloropropene	75	7.001	7.001	0.000	94	217161	10.0	10.3	
72 4-Methyl-2-pentanone (MIBK)	43	7.120	7.120	0.000	96	368058	20.0	19.6	
73 Toluene	91	7.321	7.321	0.000	99	655916	10.0	10.1	
74 trans-1,3-Dichloropropene	75	7.486	7.486	0.000	94	199007	10.0	10.1	
75 Ethyl methacrylate	69	7.545	7.546	-0.001	88	213847	10.0	9.70	
76 1,1,2-Trichloroethane	97	7.652	7.652	0.000	93	138088	10.0	9.80	
77 1,3-Dichloropropane	76	7.818	7.818	0.000	90	236601	10.0	9.93	
78 Tetrachloroethene	166	7.818	7.818	0.000	96	175238	10.0	9.99	
80 2-Hexanone	43	7.865	7.865	0.000	94	262660	20.0	18.9	
82 Chlorodibromomethane	129	8.031	8.031	0.000	90	154700	10.0	9.89	
83 Ethylene Dibromide	107	8.149	8.149	0.000	98	141158	10.0	10.2	
85 Chlorobenzene	112	8.599	8.599	0.000	95	419379	10.0	9.87	
86 1,1,1,2-Tetrachloroethane	131	8.670	8.670	0.000	95	159397	10.0	9.68	
87 Ethylbenzene	106	8.693	8.693	0.000	98	247341	10.0	9.88	
88 m-Xylene & p-Xylene	106	8.800	8.800	0.000	99	304483	10.0	9.80	
89 o-Xylene	106	9.178	9.178	0.000	94	302342	10.0	10.0	
90 Styrene	104	9.190	9.190	0.000	93	441770	10.0	9.91	
91 Bromoform	173	9.380	9.380	0.000	96	112884	10.0	9.61	
92 Isopropylbenzene	105	9.533	9.533	0.000	95	784986	10.0	10.0	
94 1,1,2,2-Tetrachloroethane	83	9.794	9.794	0.000	96	200352	10.0	9.70	
95 Bromobenzene	156	9.841	9.841	0.000	95	179859	10.0	9.74	
96 trans-1,4-Dichloro-2-butene	53	9.853	9.853	0.000	72	64156	10.0	10.1	
97 1,2,3-Trichloropropane	110	9.853	9.853	0.000	83	80650	10.0	9.82	
98 N-Propylbenzene	120	9.924	9.936	-0.012	99	217719	10.0	9.97	
100 2-Chlorotoluene	126	10.030	10.030	0.000	97	182427	10.0	9.99	
101 1,3,5-Trimethylbenzene	105	10.090	10.090	0.000	94	619861	10.0	9.74	
102 4-Chlorotoluene	126	10.125	10.125	0.000	98	183658	10.0	9.74	
104 tert-Butylbenzene	119	10.421	10.421	0.000	92	630059	10.0	10.3	
106 1,2,4-Trimethylbenzene	105	10.468	10.468	0.000	94	628530	10.0	9.90	
107 sec-Butylbenzene	134	10.634	10.634	0.000	94	174181	10.0	9.94	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 1,3-Dichlorobenzene	146	10.752	10.752	0.000	98	346332	10.0	9.69	
109 4-Isopropyltoluene	119	10.776	10.776	0.000	97	683849	10.0	10.0	
110 1,4-Dichlorobenzene	146	10.847	10.847	0.000	95	346596	10.0	9.59	
113 n-Butylbenzene	91	11.178	11.178	0.000	97	554025	10.0	10.0	
114 1,2-Dichlorobenzene	146	11.214	11.214	0.000	98	337208	10.0	9.90	
115 1,2-Dibromo-3-Chloropropane	157	11.983	11.983	0.000	88	55524	10.0	9.43	
117 1,2,4-Trichlorobenzene	180	12.823	12.823	0.000	94	199716	10.0	9.68	
118 Hexachlorobutadiene	225	13.000	13.000	0.000	97	76738	10.0	9.63	
119 Naphthalene	128	13.083	13.083	0.000	97	671074	10.0	9.76	
120 1,2,3-Trichlorobenzene	180	13.355	13.355	0.000	96	191128	10.0	9.90	
S 158 Total BTEX	1				0		50.0	49.9	
S 128 1,2-Dichloroethene, Total	96				0			20.5	
S 129 1,3-Dichloropropene, Total	75				0			20.4	
S 130 Trihalomethanes, Total	83				0		40.0	39.7	
S 131 Xylenes, Total	106				0		20.0	19.8	

QC Flag Legend

Processing Flags

Reagents:

VMRGAS_00388	Amount Added:	8.00	Units: uL
VMAROLISTDW_00396	Amount Added:	8.00	Units: uL
VMRPRIMW_00440	Amount Added:	8.00	Units: uL
vm50ss_00444	Amount Added:	8.00	Units: uL
vm50is_stk_A_00008	Amount Added:	2.00	Units: uL

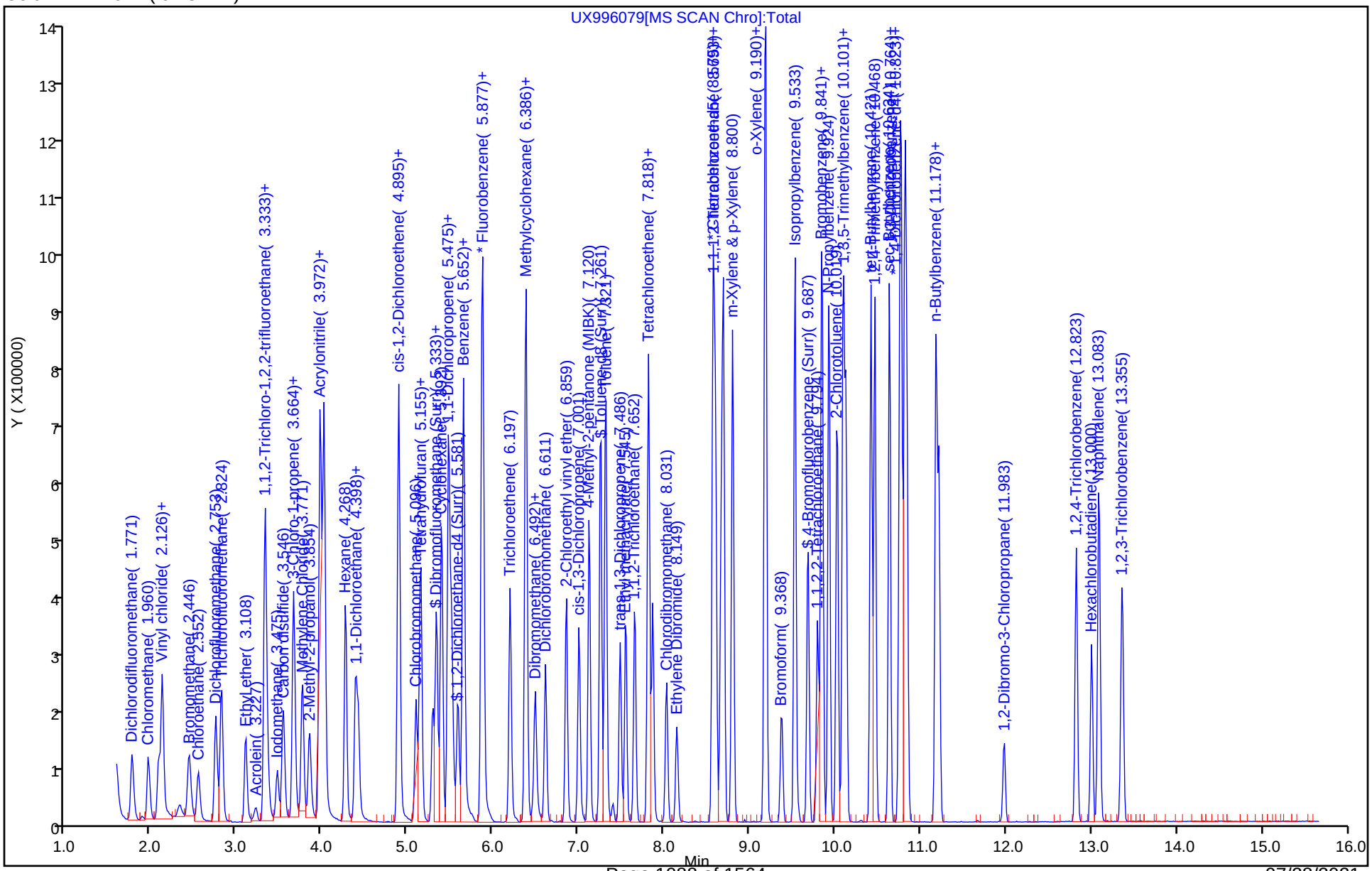
Report Date: 17-Jun-2021 08:47:54 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996079.D

Injection Date:	16-Jun-2021 15:29:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	std8260 L3			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996080.D
Lims ID: ICIS L4
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 16-Jun-2021 15:52:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0110323-011
Operator ID: 001765 Instrument ID: A3UX9
Sublist: chrom-8260_9*sub46

Method: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 17-Jun-2021 08:47:58 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: bosworthh Date: 17-Jun-2021 08:15:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.876	5.876	0.000	99	808438	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.574	8.574	0.000	86	626941	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.822	10.822	0.000	91	339724	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.296	5.296	0.000	93	275098	20.0	20.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.592	5.592	0.000	100	320169	20.0	20.9	
$ 6 Toluene-d8 (Surr)	98	7.261	7.261	0.000	92	1105817	20.0	20.4	
$ 7 4-Bromofluorobenzene (Surr)	95	9.686	9.686	0.000	91	418764	20.0	20.4	
9 Dichlorodifluoromethane	85	1.782	1.782	0.000	100	344523	20.0	20.7	
10 Chloromethane	50	1.971	1.971	0.000	100	332833	20.0	20.6	
11 Vinyl chloride	62	2.090	2.090	0.000	99	339169	20.0	20.9	
12 Butadiene	54	2.125	2.125	0.000	91	312336	20.0	21.0	
13 Bromomethane	94	2.433	2.433	0.000	91	250248	20.0	19.3	
15 Chloroethane	64	2.551	2.551	0.000	99	235609	20.0	19.8	
16 Dichlorofluoromethane	67	2.752	2.752	0.000	98	509249	20.0	20.5	
17 Trichlorofluoromethane	101	2.823	2.823	0.000	100	500518	20.0	21.2	
18 Ethyl ether	59	3.107	3.107	0.000	88	231868	20.0	20.6	
21 Acrolein	56	3.226	3.226	0.000	99	61705	100.0	95.5	
24 1,1-Dichloroethene	61	3.332	3.332	0.000	98	424631	20.0	21.6	
22 112TCTFE	101	3.332	3.332	0.000	93	303428	20.0	20.7	
23 Acetone	58	3.368	3.368	0.000	100	78069	40.0	37.6	
25 Iodomethane	142	3.474	3.474	0.000	98	309938	20.0	20.3	
26 Carbon disulfide	76	3.545	3.545	0.000	99	800178	20.0	20.6	
28 3-Chloro-1-propene	41	3.663	3.663	0.000	88	412641	20.0	19.2	
29 Methyl acetate	43	3.675	3.675	0.000	96	535724	40.0	38.8	
30 Methylene Chloride	49	3.770	3.770	0.000	90	353617	20.0	19.7	
31 2-Methyl-2-propanol	59	3.853	3.853	0.000	99	511803	200.0	202.4	
32 Acrylonitrile	53	3.971	3.971	0.000	98	1489482	200.0	205.0	
33 Methyl tert-butyl ether	73	4.018	4.018	0.000	95	978856	20.0	20.7	
34 trans-1,2-Dichloroethene	61	4.018	4.018	0.000	93	388969	20.0	21.1	
35 Hexane	57	4.267	4.267	0.000	91	410543	20.0	21.3	
36 1,1-Dichloroethane	63	4.385	4.385	0.000	97	523097	20.0	20.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 Vinyl acetate	43	4.421	4.421	0.000	97	664360	20.0	20.0	
41 2-Butanone (MEK)	72	4.894	4.894	0.000	98	107478	40.0	40.0	
43 cis-1,2-Dichloroethene	96	4.894	4.894	0.000	82	334614	20.0	21.2	
42 2,2-Dichloropropane	77	4.894	4.894	0.000	88	527762	20.0	20.8	
47 Chlorobromomethane	49	5.095	5.095	0.000	92	217730	20.0	20.4	
48 Tetrahydrofuran	42	5.143	5.143	0.000	82	243892	40.0	39.3	
49 Chloroform	83	5.154	5.154	0.000	96	536336	20.0	21.0	
50 1,1,1-Trichloroethane	97	5.332	5.332	0.000	97	520858	20.0	21.1	
51 Cyclohexane	84	5.403	5.403	0.000	87	525822	20.0	21.5	
52 1,1-Dichloropropene	75	5.474	5.474	0.000	97	424483	20.0	21.2	
53 Carbon tetrachloride	117	5.486	5.486	0.000	99	455328	20.0	21.3	
54 Isobutyl alcohol	41	5.521	5.521	0.000	95	352018	500.0	499.3	
56 1,2-Dichloroethane	62	5.651	5.651	0.000	60	406020	20.0	20.9	
55 Benzene	78	5.651	5.651	0.000	95	1174016	20.0	20.7	
58 n-Heptane	71	5.864	5.864	0.000	93	256739	20.0	19.2	
60 Trichloroethene	130	6.196	6.196	0.000	96	327398	20.0	20.8	
62 Methylcyclohexane	83	6.385	6.385	0.000	89	549544	20.0	21.4	
63 1,2-Dichloropropane	63	6.385	6.385	0.000	93	287851	20.0	21.4	
66 Dibromomethane	174	6.491	6.491	0.000	94	199130	20.0	21.2	
65 1,4-Dioxane	88	6.503	6.503	0.000	87	103916	400.0	423.5	
67 Dichlorobromomethane	83	6.610	6.610	0.000	99	406469	20.0	20.7	
69 2-Chloroethyl vinyl ether	63	6.858	6.858	0.000	94	363818	40.0	40.5	
71 cis-1,3-Dichloropropene	75	7.000	7.000	0.000	95	432162	20.0	21.0	
72 4-Methyl-2-pentanone (MIBK)	43	7.119	7.119	0.000	95	752354	40.0	40.9	
73 Toluene	91	7.320	7.320	0.000	98	1314635	20.0	20.7	
74 trans-1,3-Dichloropropene	75	7.485	7.485	0.000	94	399952	20.0	20.8	
75 Ethyl methacrylate	69	7.545	7.545	0.000	87	442057	20.0	20.6	
76 1,1,2-Trichloroethane	97	7.663	7.663	0.000	93	278661	20.0	20.3	
77 1,3-Dichloropropane	76	7.817	7.817	0.000	88	476258	20.0	20.5	
78 Tetrachloroethene	166	7.817	7.817	0.000	83	353445	20.0	20.7	
80 2-Hexanone	43	7.864	7.864	0.000	95	541341	40.0	40.0	
82 Chlorodibromomethane	129	8.030	8.030	0.000	90	313968	20.0	20.6	
83 Ethylene Dibromide	107	8.148	8.148	0.000	98	279419	20.0	20.6	
85 Chlorobenzene	112	8.598	8.598	0.000	95	832781	20.0	20.1	
86 1,1,1,2-Tetrachloroethane	131	8.669	8.669	0.000	95	328363	20.0	20.5	
87 Ethylbenzene	106	8.692	8.692	0.000	98	500681	20.0	20.6	
88 m-Xylene & p-Xylene	106	8.799	8.799	0.000	99	627710	20.0	20.7	
89 o-Xylene	106	9.177	9.177	0.000	96	605288	20.0	20.6	
90 Styrene	104	9.189	9.189	0.000	93	902563	20.0	20.8	
91 Bromoform	173	9.379	9.379	0.000	97	233202	20.0	20.4	
92 Isopropylbenzene	105	9.532	9.532	0.000	95	1576634	20.0	20.6	
94 1,1,2,2-Tetrachloroethane	83	9.793	9.793	0.000	96	408681	20.0	20.5	
95 Bromobenzene	156	9.840	9.840	0.000	95	367268	20.0	20.6	
96 trans-1,4-Dichloro-2-butene	53	9.852	9.852	0.000	72	128017	20.0	20.8	
97 1,2,3-Trichloropropane	110	9.852	9.852	0.000	83	160807	20.0	20.3	
98 N-Propylbenzene	120	9.935	9.935	0.000	99	446695	20.0	21.2	
100 2-Chlorotoluene	126	10.029	10.029	0.000	96	368876	20.0	20.9	
101 1,3,5-Trimethylbenzene	105	10.100	10.100	0.000	94	1290714	20.0	21.0	
102 4-Chlorotoluene	126	10.124	10.124	0.000	98	377149	20.0	20.7	
104 tert-Butylbenzene	119	10.420	10.420	0.000	92	1290101	20.0	21.8	
106 1,2,4-Trimethylbenzene	105	10.467	10.467	0.000	94	1280312	20.0	20.9	
107 sec-Butylbenzene	134	10.633	10.633	0.000	94	358468	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
108 1,3-Dichlorobenzene	146	10.751	10.751	0.000	98	714815	20.0	20.7	
109 4-Isopropyltoluene	119	10.775	10.775	0.000	97	1394101	20.0	21.1	
110 1,4-Dichlorobenzene	146	10.846	10.846	0.000	96	720021	20.0	20.6	
113 n-Butylbenzene	91	11.177	11.177	0.000	97	1144583	20.0	21.4	
114 1,2-Dichlorobenzene	146	11.213	11.213	0.000	98	684488	20.0	20.8	
115 1,2-Dibromo-3-Chloropropane	157	11.982	11.982	0.000	88	116068	20.0	20.4	
117 1,2,4-Trichlorobenzene	180	12.822	12.822	0.000	94	426346	20.0	21.4	
118 Hexachlorobutadiene	225	12.999	12.999	0.000	98	164234	20.0	21.3	
119 Naphthalene	128	13.082	13.082	0.000	97	1399596	20.0	21.1	
120 1,2,3-Trichlorobenzene	180	13.354	13.354	0.000	96	395950	20.0	21.2	
S 158 Total BTEX	1				0		100.0	103.3	
S 130 Trihalomethanes, Total	83				0		80.0	82.7	
S 131 Xylenes, Total	106				0		40.0	41.3	

QC Flag Legend

Processing Flags

Reagents:

VMRGAS_00388	Amount Added:	16.00	Units: uL
VMAROLISTDW_00396	Amount Added:	16.00	Units: uL
VMRPRIMW_00440	Amount Added:	16.00	Units: uL
vm50ss_00444	Amount Added:	16.00	Units: uL
vm50is_stk_A_00008	Amount Added:	2.00	Units: uL

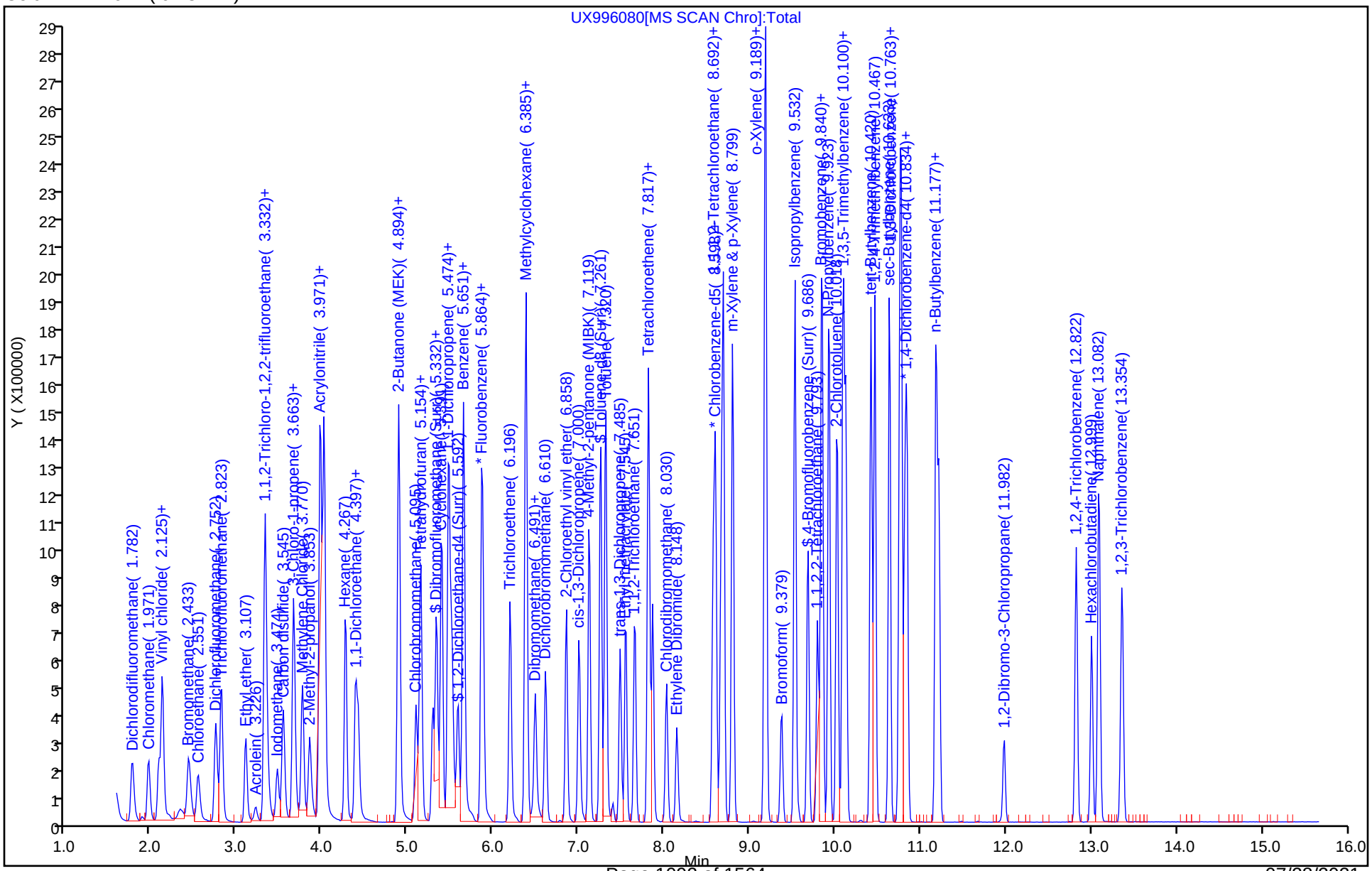
Report Date: 17-Jun-2021 08:47:59 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996080.D

Injection Date:	16-Jun-2021 15:52:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	ICIS L4			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996081.D
Lims ID: std8260 L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 16-Jun-2021 16:15:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0110323-012
Operator ID: 001765 Instrument ID: A3UX9
Sublist: chrom-8260_9*sub46

Method: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 17-Jun-2021 08:48:03 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: bosworthh Date: 17-Jun-2021 08:15:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.879	5.876	0.003	99	809204	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.577	8.574	0.003	84	618209	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.814	10.822	-0.008	94	335307	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.288	5.296	-0.008	94	436113	30.0	32.4	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.584	5.592	-0.008	100	491881	30.0	32.1	
$ 6 Toluene-d8 (Surr)	98	7.252	7.261	-0.009	92	1705021	30.0	31.9	
$ 7 4-Bromofluorobenzene (Surr)	95	9.678	9.686	-0.008	91	643387	30.0	31.9	
9 Dichlorodifluoromethane	85	1.785	1.782	0.003	100	522586	30.0	31.4	
10 Chloromethane	50	1.975	1.971	0.004	99	516971	30.0	32.0	
11 Vinyl chloride	62	2.093	2.090	0.003	99	533152	30.0	32.8	
12 Butadiene	54	2.128	2.125	0.003	91	489433	30.0	32.9	
13 Bromomethane	94	2.436	2.433	0.003	91	407890	30.0	31.4	
15 Chloroethane	64	2.543	2.551	-0.008	99	371328	30.0	31.2	
16 Dichlorofluoromethane	67	2.756	2.752	0.004	98	796338	30.0	32.0	
17 Trichlorofluoromethane	101	2.815	2.823	-0.008	100	769362	30.0	32.6	
18 Ethyl ether	59	3.110	3.107	0.003	88	367294	30.0	32.5	
21 Acrolein	56	3.217	3.226	-0.009	99	98682	150.0	152.6	
24 1,1-Dichloroethene	61	3.323	3.332	-0.009	98	652439	30.0	33.2	
22 112TCTFE	101	3.335	3.332	0.003	93	465021	30.0	31.7	
23 Acetone	58	3.371	3.368	0.003	100	121442	60.0	58.5	
25 Iodomethane	142	3.477	3.474	0.003	99	497763	30.0	32.6	
26 Carbon disulfide	76	3.548	3.545	0.003	99	1253675	30.0	32.2	
28 3-Chloro-1-propene	41	3.667	3.663	0.004	88	648445	30.0	30.2	
29 Methyl acetate	43	3.678	3.675	0.003	96	853818	60.0	61.8	
30 Methylene Chloride	49	3.773	3.770	0.003	90	545180	30.0	30.4	
31 2-Methyl-2-propanol	59	3.856	3.853	0.003	99	813982	300.0	321.6	
32 Acrylonitrile	53	3.974	3.971	0.003	98	2358582	300.0	324.3	
33 Methyl tert-butyl ether	73	4.022	4.018	0.004	95	1541682	30.0	32.5	
34 trans-1,2-Dichloroethene	61	4.022	4.018	0.004	92	606514	30.0	32.9	
35 Hexane	57	4.270	4.267	0.003	91	622659	30.0	32.3	
36 1,1-Dichloroethane	63	4.388	4.385	0.003	97	820175	30.0	32.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 Vinyl acetate	43	4.424	4.421	0.003	97	1051032	30.0	31.6	
42 2,2-Dichloropropane	77	4.897	4.894	0.003	90	815610	30.0	32.2	
41 2-Butanone (MEK)	72	4.897	4.894	0.003	94	169098	60.0	62.9	
43 cis-1,2-Dichloroethene	96	4.897	4.894	0.003	82	530804	30.0	33.6	
47 Chlorobromomethane	49	5.098	5.095	0.003	91	341264	30.0	32.0	
48 Tetrahydrofuran	42	5.146	5.143	0.004	83	386689	60.0	62.2	
49 Chloroform	83	5.158	5.154	0.004	96	829706	30.0	32.5	
50 1,1,1-Trichloroethane	97	5.335	5.332	0.003	98	805596	30.0	32.5	
51 Cyclohexane	84	5.394	5.403	-0.009	87	794621	30.0	32.4	
52 1,1-Dichloropropene	75	5.477	5.474	0.003	96	659454	30.0	32.9	
53 Carbon tetrachloride	117	5.489	5.486	0.003	99	703130	30.0	32.8	
54 Isobutyl alcohol	41	5.524	5.521	0.003	93	554771	750.0	786.1	
56 1,2-Dichloroethane	62	5.655	5.651	0.004	60	630945	30.0	32.4	
55 Benzene	78	5.655	5.651	0.004	95	1811305	30.0	31.9	
58 n-Heptane	71	5.868	5.864	0.004	92	387339	30.0	28.9	
60 Trichloroethene	130	6.199	6.196	0.003	97	513069	30.0	32.6	
62 Methylcyclohexane	83	6.376	6.385	-0.009	88	840363	30.0	32.6	
63 1,2-Dichloropropane	63	6.388	6.385	0.003	93	447894	30.0	33.3	
66 Dibromomethane	174	6.495	6.491	0.004	94	309420	30.0	32.9	
65 1,4-Dioxane	88	6.507	6.503	0.003	89	158914	600.0	647.1	
67 Dichlorobromomethane	83	6.613	6.610	0.003	99	628745	30.0	32.0	
69 2-Chloroethyl vinyl ether	63	6.861	6.858	0.003	94	558430	60.0	62.2	
71 cis-1,3-Dichloropropene	75	7.003	7.000	0.003	95	657727	30.0	31.9	
72 4-Methyl-2-pentanone (MIBK)	43	7.122	7.119	0.003	96	1189367	60.0	64.7	
73 Toluene	91	7.311	7.320	-0.009	99	2035848	30.0	32.5	
74 trans-1,3-Dichloropropene	75	7.489	7.485	0.004	94	608251	30.0	32.1	
75 Ethyl methacrylate	69	7.548	7.545	0.003	87	693776	30.0	32.8	
76 1,1,2-Trichloroethane	97	7.654	7.663	-0.009	93	433721	30.0	32.1	
77 1,3-Dichloropropane	76	7.820	7.817	0.003	88	736930	30.0	32.2	
78 Tetrachloroethene	166	7.820	7.817	0.003	87	550138	30.0	32.7	
80 2-Hexanone	43	7.867	7.864	0.003	95	860357	60.0	64.5	
82 Chlorodibromomethane	129	8.033	8.030	0.003	90	492974	30.0	32.8	
83 Ethylene Dibromide	107	8.151	8.148	0.003	99	422571	30.0	31.7	
85 Chlorobenzene	112	8.601	8.598	0.003	95	1296819	30.0	31.8	
86 1,1,1,2-Tetrachloroethane	131	8.672	8.669	0.003	95	511340	30.0	32.4	
87 Ethylbenzene	106	8.696	8.692	0.004	98	786260	30.0	32.7	
88 m-Xylene & p-Xylene	106	8.802	8.799	0.003	99	979492	30.0	32.8	
89 o-Xylene	106	9.181	9.177	0.004	97	956064	30.0	33.0	
90 Styrene	104	9.193	9.189	0.004	93	1406813	30.0	32.9	
91 Bromoform	173	9.370	9.379	-0.009	96	368898	30.0	32.7	
92 Isopropylbenzene	105	9.536	9.532	0.004	95	2473073	30.0	32.8	
94 1,1,2,2-Tetrachloroethane	83	9.796	9.793	0.003	96	647390	30.0	32.9	
95 Bromobenzene	156	9.843	9.840	0.003	96	565275	30.0	32.1	
96 trans-1,4-Dichloro-2-butene	53	9.855	9.852	0.003	72	201048	30.0	33.1	
97 1,2,3-Trichloropropane	110	9.855	9.852	0.003	82	249421	30.0	31.9	
98 N-Propylbenzene	120	9.926	9.935	-0.009	99	689971	30.0	33.2	
100 2-Chlorotoluene	126	10.021	10.029	-0.008	96	574856	30.0	33.0	
101 1,3,5-Trimethylbenzene	105	10.092	10.100	-0.008	95	1999081	30.0	33.0	
102 4-Chlorotoluene	126	10.127	10.124	0.003	97	593337	30.0	33.0	
104 tert-Butylbenzene	119	10.423	10.420	0.003	91	1875415	30.0	32.1	
106 1,2,4-Trimethylbenzene	105	10.471	10.467	0.003	97	2009295	30.0	33.2	
107 sec-Butylbenzene	134	10.636	10.633	0.003	94	552293	30.0	33.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 1,3-Dichlorobenzene	146	10.754	10.751	0.003	98	1108830	30.0	32.6	
109 4-Isopropyltoluene	119	10.778	10.775	0.003	97	2175148	30.0	33.3	
110 1,4-Dichlorobenzene	146	10.837	10.846	-0.009	94	1119407	30.0	32.5	
113 n-Butylbenzene	91	11.180	11.177	0.003	97	1759861	30.0	33.4	
114 1,2-Dichlorobenzene	146	11.216	11.213	0.003	98	1069868	30.0	32.9	
115 1,2-Dibromo-3-Chloropropane	157	11.985	11.982	0.003	89	187749	30.0	33.5	
117 1,2,4-Trichlorobenzene	180	12.825	12.822	0.003	94	656588	30.0	33.4	
118 Hexachlorobutadiene	225	13.003	12.999	0.004	97	259986	30.0	34.2	
119 Naphthalene	128	13.086	13.082	0.004	97	2202841	30.0	33.6	
120 1,2,3-Trichlorobenzene	180	13.358	13.354	0.004	96	625212	30.0	34.0	
S 158 Total BTEX	1				0		150.0	163.0	
S 128 1,2-Dichloroethene, Total	96				0			66.6	
S 129 1,3-Dichloropropene, Total	75				0			64.0	
S 130 Trihalomethanes, Total	83				0		120.0	130.0	
S 131 Xylenes, Total	106				0		60.0	65.8	

QC Flag Legend

Processing Flags

Reagents:

VMRGAS_00388	Amount Added:	24.00	Units: uL
VMAROLISTDW_00396	Amount Added:	24.00	Units: uL
VMRPRIMW_00440	Amount Added:	24.00	Units: uL
vm50ss_00444	Amount Added:	24.00	Units: uL
vm50is_stk_A_00008	Amount Added:	2.00	Units: uL

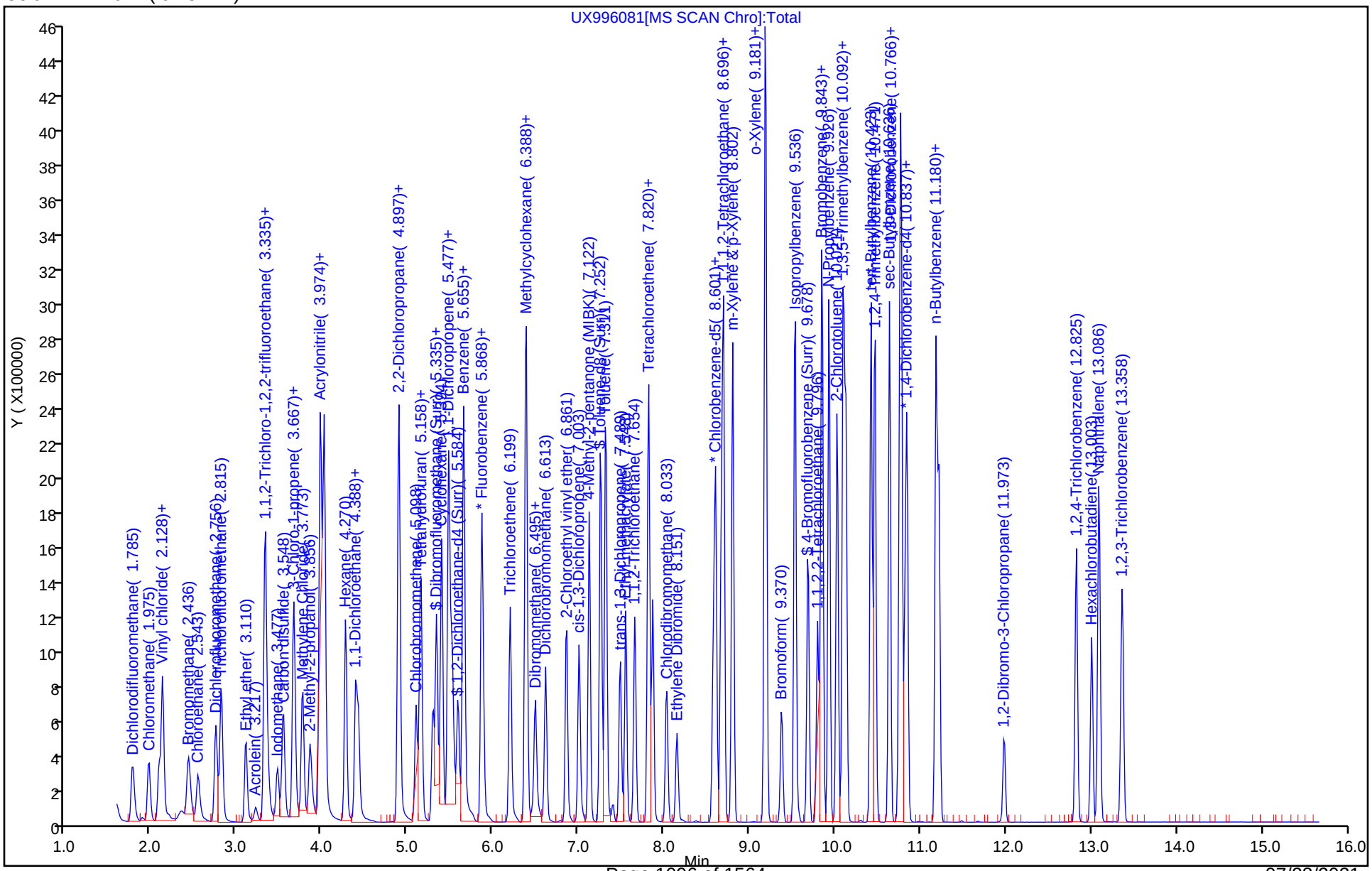
Report Date: 17-Jun-2021 08:48:04 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996081.D

Injection Date:	16-Jun-2021 16:15:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	std8260 L5			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996082.D
Lims ID: std8260 L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 16-Jun-2021 16:38:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0110323-013
Operator ID: 001765 Instrument ID: A3UX9
Sublist: chrom-8260_9*sub46

Method: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 17-Jun-2021 08:48:08 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: bosworthh Date: 17-Jun-2021 08:16:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.880	5.876	0.004	99	805700	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.577	8.574	0.003	84	618318	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.814	10.822	-0.008	94	337472	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.288	5.296	-0.008	93	559067	40.0	41.8	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.584	5.592	-0.008	100	633292	40.0	41.5	
$ 6 Toluene-d8 (Surr)	98	7.252	7.261	-0.009	93	2185538	40.0	40.8	
$ 7 4-Bromofluorobenzene (Surr)	95	9.678	9.686	-0.008	91	838021	40.0	41.5	
9 Dichlorodifluoromethane	85	1.774	1.782	-0.008	100	682472	40.0	41.2	
10 Chloromethane	50	1.963	1.971	-0.008	100	686094	40.0	42.6	
11 Vinyl chloride	62	2.093	2.090	0.003	99	701593	40.0	43.3	
12 Butadiene	54	2.129	2.125	0.004	91	648177	40.0	43.8	
13 Bromomethane	94	2.424	2.433	-0.009	91	571885	40.0	44.2	
15 Chloroethane	64	2.543	2.551	-0.008	99	502381	40.0	42.4	
16 Dichlorofluoromethane	67	2.744	2.752	-0.008	99	1052702	40.0	42.5	
17 Trichlorofluoromethane	101	2.815	2.823	-0.008	100	1023201	40.0	43.5	
18 Ethyl ether	59	3.099	3.107	-0.008	89	481554	40.0	42.8	
21 Acrolein	56	3.217	3.226	-0.009	99	133218	200.0	206.9	
24 1,1-Dichloroethene	61	3.324	3.332	-0.008	98	863025	40.0	44.1	
22 112TCTFE	101	3.324	3.332	-0.008	93	609778	40.0	41.8	
23 Acetone	58	3.359	3.368	-0.009	99	156658	80.0	75.8	
25 Iodomethane	142	3.478	3.474	0.004	98	678923	40.0	44.6	
26 Carbon disulfide	76	3.537	3.545	-0.008	99	1655727	40.0	42.7	
28 3-Chloro-1-propene	41	3.655	3.663	-0.008	88	846299	40.0	39.6	
29 Methyl acetate	43	3.667	3.675	-0.008	96	1118527	80.0	81.3	
30 Methylene Chloride	49	3.761	3.770	-0.009	90	712346	40.0	39.9	
31 2-Methyl-2-propanol	59	3.856	3.853	0.003	99	1061600	400.0	421.3	
32 Acrylonitrile	53	3.974	3.971	0.003	98	3080739	400.0	425.4	
33 Methyl tert-butyl ether	73	4.022	4.018	0.004	94	2007784	40.0	42.5	
34 trans-1,2-Dichloroethene	61	4.022	4.018	0.004	55	808021	40.0	44.1	
35 Hexane	57	4.270	4.267	0.003	92	824179	40.0	43.0	
36 1,1-Dichloroethane	63	4.389	4.385	0.004	97	1067418	40.0	42.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 Vinyl acetate	43	4.424	4.421	0.003	97	1390617	40.0	42.0	
43 cis-1,2-Dichloroethene	96	4.897	4.894	0.003	82	697140	40.0	44.3	
42 2,2-Dichloropropane	77	4.897	4.894	0.003	89	1066284	40.0	42.2	
41 2-Butanone (MEK)	72	4.886	4.894	-0.008	92	225330	80.0	84.2	
47 Chlorobromomethane	49	5.099	5.095	0.004	92	449714	40.0	42.3	
48 Tetrahydrofuran	42	5.146	5.143	0.004	84	509869	80.0	82.4	
49 Chloroform	83	5.158	5.154	0.004	95	1084919	40.0	42.7	
50 1,1,1-Trichloroethane	97	5.335	5.332	0.003	98	1049525	40.0	42.6	
51 Cyclohexane	84	5.394	5.403	-0.009	87	1037506	40.0	42.5	
52 1,1-Dichloropropene	75	5.477	5.474	0.003	96	860811	40.0	43.2	
53 Carbon tetrachloride	117	5.489	5.486	0.003	98	927939	40.0	43.5	
54 Isobutyl alcohol	41	5.525	5.521	0.004	92	710380	1000.0	1011.0	
56 1,2-Dichloroethane	62	5.655	5.651	0.004	60	825579	40.0	42.6	
55 Benzene	78	5.655	5.651	0.004	96	2359886	40.0	41.7	
58 n-Heptane	71	5.868	5.864	0.004	93	512601	40.0	38.4	
60 Trichloroethene	130	6.199	6.196	0.003	96	664885	40.0	42.5	
62 Methylcyclohexane	83	6.377	6.385	-0.008	87	1093803	40.0	42.6	
63 1,2-Dichloropropane	63	6.388	6.385	0.003	87	580177	40.0	43.3	
66 Dibromomethane	174	6.495	6.491	0.004	93	400755	40.0	42.8	
65 1,4-Dioxane	88	6.495	6.503	-0.008	90	203294	800.0	831.4	
67 Dichlorobromomethane	83	6.613	6.610	0.003	99	827754	40.0	42.3	
69 2-Chloroethyl vinyl ether	63	6.850	6.858	-0.008	94	727785	80.0	81.4	
71 cis-1,3-Dichloropropene	75	7.004	7.000	0.004	95	859156	40.0	41.8	
72 4-Methyl-2-pentanone (MIBK)	43	7.122	7.119	0.003	95	1544443	80.0	84.3	
73 Toluene	91	7.311	7.320	-0.009	99	2644079	40.0	42.2	
74 trans-1,3-Dichloropropene	75	7.489	7.485	0.004	94	787667	40.0	41.6	
75 Ethyl methacrylate	69	7.548	7.545	0.003	87	919210	40.0	43.4	
76 1,1,2-Trichloroethane	97	7.654	7.663	-0.009	93	573255	40.0	42.4	
77 1,3-Dichloropropane	76	7.820	7.817	0.003	88	967254	40.0	42.3	
78 Tetrachloroethene	166	7.820	7.817	0.003	87	723721	40.0	43.0	
80 2-Hexanone	43	7.867	7.864	0.003	95	1109905	80.0	83.2	
82 Chlorodibromomethane	129	8.033	8.030	0.003	90	642057	40.0	42.8	
83 Ethylene Dibromide	107	8.151	8.148	0.003	99	545998	40.0	40.9	
85 Chlorobenzene	112	8.601	8.598	0.003	95	1684040	40.0	41.3	
86 1,1,1,2-Tetrachloroethane	131	8.672	8.669	0.003	95	677945	40.0	42.9	
87 Ethylbenzene	106	8.696	8.692	0.004	98	1026772	40.0	42.7	
88 m-Xylene & p-Xylene	106	8.802	8.799	0.003	99	1281966	40.0	43.0	
89 o-Xylene	106	9.181	9.177	0.004	97	1254817	40.0	43.3	
90 Styrene	104	9.193	9.189	0.004	92	1843734	40.0	43.1	
91 Bromoform	173	9.370	9.379	-0.009	96	486043	40.0	43.1	
92 Isopropylbenzene	105	9.536	9.532	0.004	95	3242329	40.0	43.0	
94 1,1,2,2-Tetrachloroethane	83	9.796	9.793	0.003	96	852700	40.0	43.0	
95 Bromobenzene	156	9.844	9.840	0.004	96	750198	40.0	42.4	
96 trans-1,4-Dichloro-2-butene	53	9.855	9.852	0.003	72	261426	40.0	42.8	
97 1,2,3-Trichloropropane	110	9.855	9.852	0.003	83	329566	40.0	41.8	
98 N-Propylbenzene	120	9.926	9.935	-0.009	99	918433	40.0	43.9	
100 2-Chlorotoluene	126	10.021	10.029	-0.008	96	756510	40.0	43.2	
101 1,3,5-Trimethylbenzene	105	10.092	10.100	-0.008	94	2643946	40.0	43.3	
102 4-Chlorotoluene	126	10.128	10.124	0.004	97	773250	40.0	42.8	
104 tert-Butylbenzene	119	10.423	10.420	0.003	91	2470260	40.0	42.0	
106 1,2,4-Trimethylbenzene	105	10.471	10.467	0.004	97	2640104	40.0	43.3	
107 sec-Butylbenzene	134	10.636	10.633	0.003	94	732107	40.0	43.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 1,3-Dichlorobenzene	146	10.755	10.751	0.004	97	1465411	40.0	42.8	
109 4-Isopropyltoluene	119	10.778	10.775	0.003	97	2869839	40.0	43.7	
110 1,4-Dichlorobenzene	146	10.838	10.846	-0.008	95	1471129	40.0	42.4	
113 n-Butylbenzene	91	11.181	11.177	0.004	96	2323101	40.0	43.8	
114 1,2-Dichlorobenzene	146	11.216	11.213	0.003	98	1403055	40.0	42.9	
115 1,2-Dibromo-3-Chloropropane	157	11.985	11.982	0.003	89	244255	40.0	43.2	
117 1,2,4-Trichlorobenzene	180	12.825	12.822	0.003	94	871748	40.0	44.0	
118 Hexachlorobutadiene	225	13.003	12.999	0.004	97	336884	40.0	44.1	
119 Naphthalene	128	13.086	13.082	0.004	97	2904095	40.0	44.0	
120 1,2,3-Trichlorobenzene	180	13.358	13.354	0.004	96	816216	40.0	44.1	
S 158 Total BTEX	1				0		200.0	213.0	
S 128 1,2-Dichloroethene, Total	96				0			88.4	
S 129 1,3-Dichloropropene, Total	75				0			83.5	
S 130 Trihalomethanes, Total	83				0		160.0	170.8	
S 131 Xylenes, Total	106				0		80.0	86.3	

QC Flag Legend

Processing Flags

Reagents:

VMRGAS_00388	Amount Added:	32.00	Units: uL
VMAROLISTDW_00396	Amount Added:	32.00	Units: uL
VMRPRIMW_00440	Amount Added:	32.00	Units: uL
vm50ss_00444	Amount Added:	32.00	Units: uL
vm50is_stk_A_00008	Amount Added:	2.00	Units: uL

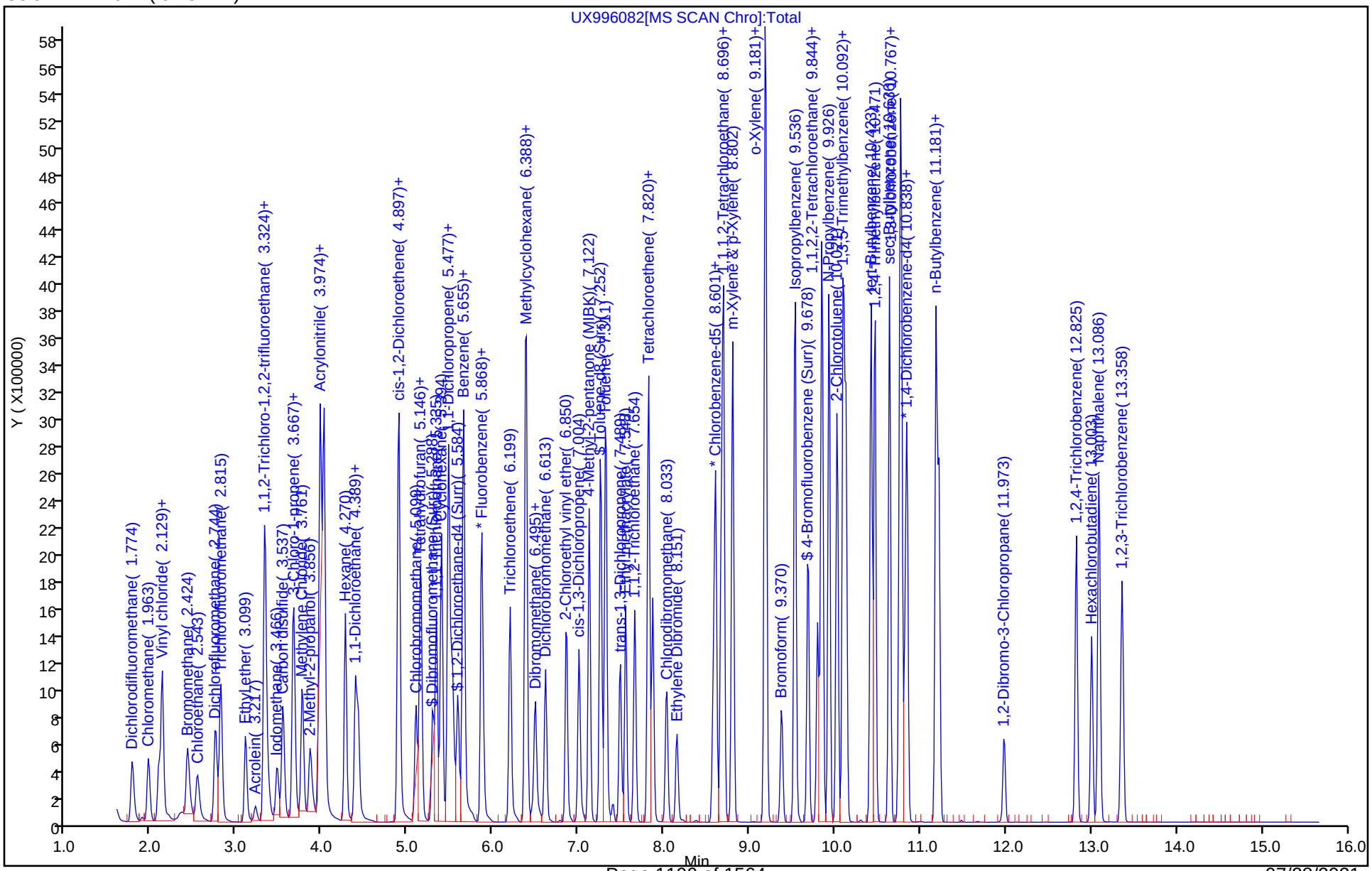
Report Date: 17-Jun-2021 08:48:09 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996082.D

Injection Date:	16-Jun-2021 16:38:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	std8260 L6			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996083.D
Lims ID: std8260 L7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 16-Jun-2021 17:01:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0110323-014
Operator ID: 001765 Instrument ID: A3UX9
Sublist: chrom-8260_9*sub46

Method: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 17-Jun-2021 08:48:13 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: bosworthh Date: 17-Jun-2021 08:17:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.877	5.876	0.001	99	798298	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.575	8.574	0.001	84	605291	20.0	20.0	a
* 3 1,4-Dichlorobenzene-d4	152	10.811	10.822	-0.011	89	341440	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.285	5.296	-0.011	94	836324	60.0	63.1	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.581	5.592	-0.011	100	938974	60.0	62.1	
$ 6 Toluene-d8 (Surr)	98	7.262	7.261	0.001	93	3228497	60.0	61.6	
$ 7 4-Bromofluorobenzene (Surr)	95	9.687	9.686	0.001	94	1243747	60.0	62.9	
9 Dichlorodifluoromethane	85	1.783	1.782	0.001	100	1018665	60.0	62.1	
10 Chloromethane	50	1.960	1.971	-0.011	99	1005026	60.0	63.0	
11 Vinyl chloride	62	2.091	2.090	0.001	99	1029460	60.0	64.1	
12 Butadiene	54	2.126	2.125	0.001	91	955399	60.0	65.2	
13 Bromomethane	94	2.422	2.433	-0.011	91	929739	60.0	72.5	
15 Chloroethane	64	2.528	2.551	-0.023	99	793778	60.0	67.6	
16 Dichlorofluoromethane	67	2.741	2.752	-0.011	99	1577614	60.0	64.3	
17 Trichlorofluoromethane	101	2.812	2.823	-0.011	100	1543376	60.0	66.2	
18 Ethyl ether	59	3.096	3.107	-0.011	89	732536	60.0	65.8	
21 Acrolein	56	3.215	3.226	-0.011	99	203137	300.0	318.4	
24 1,1-Dichloroethene	61	3.321	3.332	-0.011	99	1303010	60.0	67.2	
22 112TCTFE	101	3.321	3.332	-0.011	92	912347	60.0	63.1	
23 Acetone	58	3.369	3.368	0.001	99	236418	120.0	115.4	
25 Iodomethane	142	3.475	3.474	0.001	99	996280	60.0	66.0	
26 Carbon disulfide	76	3.534	3.545	-0.011	100	2472959	60.0	64.4	
28 3-Chloro-1-propene	41	3.653	3.663	-0.010	88	1265583	60.0	59.7	
29 Methyl acetate	43	3.676	3.675	0.001	96	1675459	120.0	122.9	
30 Methylene Chloride	49	3.759	3.770	-0.011	90	1080419	60.0	61.1	
31 2-Methyl-2-propanol	59	3.866	3.853	0.013	99	1546556	600.0	619.4	
32 Acrylonitrile	53	3.972	3.971	0.001	98	4620512	600.0	643.9	
33 Methyl tert-butyl ether	73	4.019	4.018	0.001	94	3032098	60.0	64.9	
34 trans-1,2-Dichloroethene	61	4.019	4.018	0.001	54	1223595	60.0	67.4	
35 Hexane	57	4.268	4.267	0.001	92	1245438	60.0	65.6	
36 1,1-Dichloroethane	63	4.386	4.385	0.001	97	1606244	60.0	64.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 Vinyl acetate	43	4.422	4.421	0.001	97	2096399	60.0	63.9	
41 2-Butanone (MEK)	72	4.895	4.894	0.001	75	338578	120.0	127.7	
43 cis-1,2-Dichloroethene	96	4.895	4.894	0.001	84	1038334	60.0	66.7	
42 2,2-Dichloropropane	77	4.895	4.894	0.001	89	1578818	60.0	63.1	
47 Chlorobromomethane	49	5.096	5.095	0.001	92	667924	60.0	63.5	
48 Tetrahydrofuran	42	5.143	5.143	0.001	84	761035	120.0	124.1	
49 Chloroform	83	5.155	5.154	0.001	95	1631356	60.0	64.8	
50 1,1,1-Trichloroethane	97	5.333	5.332	0.001	98	1579482	60.0	64.7	
51 Cyclohexane	84	5.392	5.403	-0.011	87	1567117	60.0	64.9	
52 1,1-Dichloropropene	75	5.475	5.474	0.001	96	1291462	60.0	65.3	
53 Carbon tetrachloride	117	5.487	5.486	0.001	99	1383029	60.0	65.4	
54 Isobutyl alcohol	41	5.522	5.521	0.001	93	1032379	1500.0	1482.8	
56 1,2-Dichloroethane	62	5.652	5.651	0.001	61	1231571	60.0	64.2	
55 Benzene	78	5.652	5.651	0.001	96	3492254	60.0	62.3	
58 n-Heptane	71	5.865	5.864	0.001	91	768673	60.0	58.1	
60 Trichloroethene	130	6.197	6.196	0.001	96	996731	60.0	64.2	
62 Methylcyclohexane	83	6.386	6.385	0.001	88	1650367	60.0	64.9	
63 1,2-Dichloropropane	63	6.386	6.385	0.001	93	881633	60.0	66.4	
66 Dibromomethane	174	6.492	6.491	0.001	93	599128	60.0	64.6	
65 1,4-Dioxane	88	6.504	6.503	0.001	89	290952	1200.0	1200.9	
67 Dichlorobromomethane	83	6.611	6.610	0.001	99	1240044	60.0	63.9	
69 2-Chloroethyl vinyl ether	63	6.859	6.858	0.001	94	1078570	120.0	121.7	
71 cis-1,3-Dichloropropene	75	7.001	7.000	0.001	95	1257561	60.0	61.8	
72 4-Methyl-2-pentanone (MIBK)	43	7.120	7.119	0.001	95	2287223	120.0	126.1	
73 Toluene	91	7.321	7.320	0.001	99	3969286	60.0	64.8	
74 trans-1,3-Dichloropropene	75	7.486	7.485	0.001	94	1171662	60.0	63.3	
75 Ethyl methacrylate	69	7.546	7.545	0.001	88	1370456	60.0	66.1	
76 1,1,2-Trichloroethane	97	7.652	7.663	-0.011	93	862088	60.0	65.1	
77 1,3-Dichloropropane	76	7.818	7.817	0.001	88	1442629	60.0	64.4	
78 Tetrachloroethene	166	7.818	7.817	0.001	85	1076176	60.0	65.3	
80 2-Hexanone	43	7.865	7.864	0.001	95	1657221	120.0	126.9	
82 Chlorodibromomethane	129	8.031	8.030	0.001	90	977377	60.0	66.5	
83 Ethylene Dibromide	107	8.149	8.148	0.001	98	803677	60.0	61.5	
85 Chlorobenzene	112	8.599	8.598	0.001	95	2479225	60.0	62.1	
86 1,1,1,2-Tetrachloroethane	131	8.670	8.669	0.001	95	1017939	60.0	65.8	
87 Ethylbenzene	106	8.693	8.692	0.001	98	1543164	60.0	65.6	
88 m-Xylene & p-Xylene	106	8.800	8.799	0.001	99	1939280	60.0	66.4	
89 o-Xylene	106	9.178	9.177	0.001	95	1892844	60.0	66.7	
90 Styrene	104	9.190	9.189	0.001	92	2790999	60.0	66.6	
91 Bromoform	173	9.380	9.379	0.001	97	732712	60.0	66.4	
92 Isopropylbenzene	105	9.533	9.532	0.001	96	4834328	60.0	65.5	
94 1,1,2,2-Tetrachloroethane	83	9.794	9.793	0.001	96	1267664	60.0	63.2	
95 Bromobenzene	156	9.841	9.840	0.001	95	1120330	60.0	62.5	
96 trans-1,4-Dichloro-2-butene	53	9.853	9.852	0.001	72	386169	60.0	62.5	
97 1,2,3-Trichloropropane	110	9.853	9.852	0.001	83	495513	60.0	62.2	
98 N-Propylbenzene	120	9.936	9.935	0.001	98	1374975	60.0	64.9	
100 2-Chlorotoluene	126	10.030	10.029	0.001	97	1139411	60.0	64.3	
101 1,3,5-Trimethylbenzene	105	10.090	10.100	-0.010	94	3970005	60.0	64.3	
102 4-Chlorotoluene	126	10.125	10.124	0.001	98	1166857	60.0	63.8	
104 tert-Butylbenzene	119	10.421	10.420	0.001	92	3970678	60.0	66.8	
106 1,2,4-Trimethylbenzene	105	10.468	10.467	0.001	94	3951895	60.0	64.1	
107 sec-Butylbenzene	134	10.634	10.633	0.001	94	1098900	60.0	64.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 1,3-Dichlorobenzene	146	10.752	10.751	0.001	98	2204810	60.0	63.6	
109 4-Isopropyltoluene	119	10.776	10.775	0.001	97	4295403	60.0	64.7	
110 1,4-Dichlorobenzene	146	10.847	10.846	0.001	95	2198809	60.0	62.7	
113 n-Butylbenzene	91	11.178	11.177	0.001	97	3485059	60.0	64.9	
114 1,2-Dichlorobenzene	146	11.214	11.213	0.001	98	2121041	60.0	64.1	
115 1,2-Dibromo-3-Chloropropane	157	11.983	11.982	0.001	90	375741	60.0	65.7	
117 1,2,4-Trichlorobenzene	180	12.823	12.822	0.001	94	1312425	60.0	65.5	
118 Hexachlorobutadiene	225	13.000	12.999	0.001	97	519642	60.0	67.2	
119 Naphthalene	128	13.083	13.082	0.001	97	4327701	60.0	64.8	
120 1,2,3-Trichlorobenzene	180	13.355	13.354	0.001	95	1222342	60.0	65.3	
S 158 Total BTEX	1				0		300.0	325.8	
S 128 1,2-Dichloroethene, Total	96				0			134.0	
S 129 1,3-Dichloropropene, Total	75				0			125.0	
S 130 Trihalomethanes, Total	83				0		240.0	261.6	
S 131 Xylenes, Total	106				0		120.0	133.1	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

VMRGAS_00388	Amount Added:	48.00	Units: uL
VMAROLISTDW_00396	Amount Added:	48.00	Units: uL
VMRPRIMW_00440	Amount Added:	48.00	Units: uL
vm50ss_00444	Amount Added:	48.00	Units: uL
vm50is_stk_A_00008	Amount Added:	2.00	Units: uL

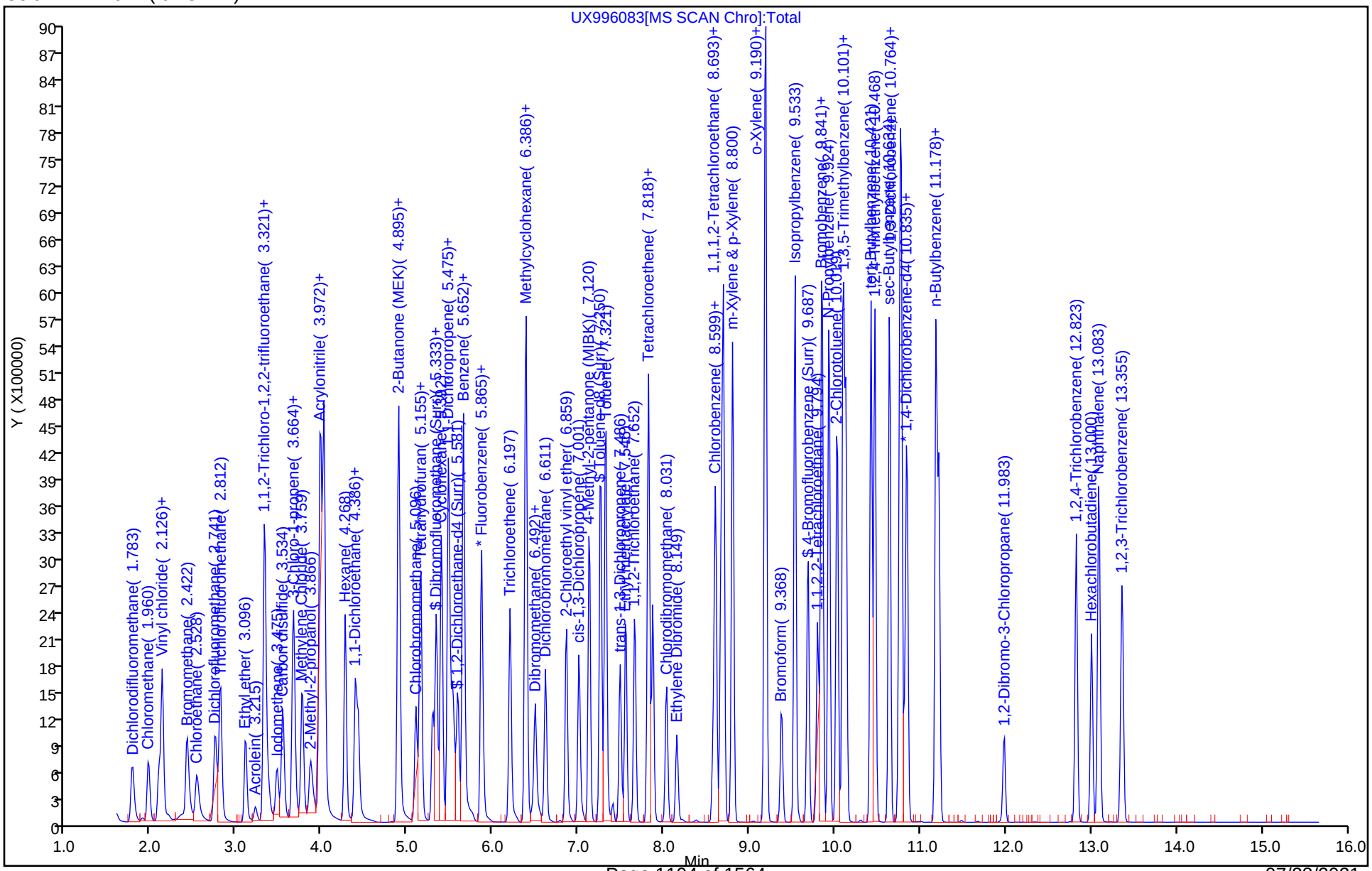
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Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996083.D

Injection Date:	16-Jun-2021 17:01:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	std8260 L7			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Canton

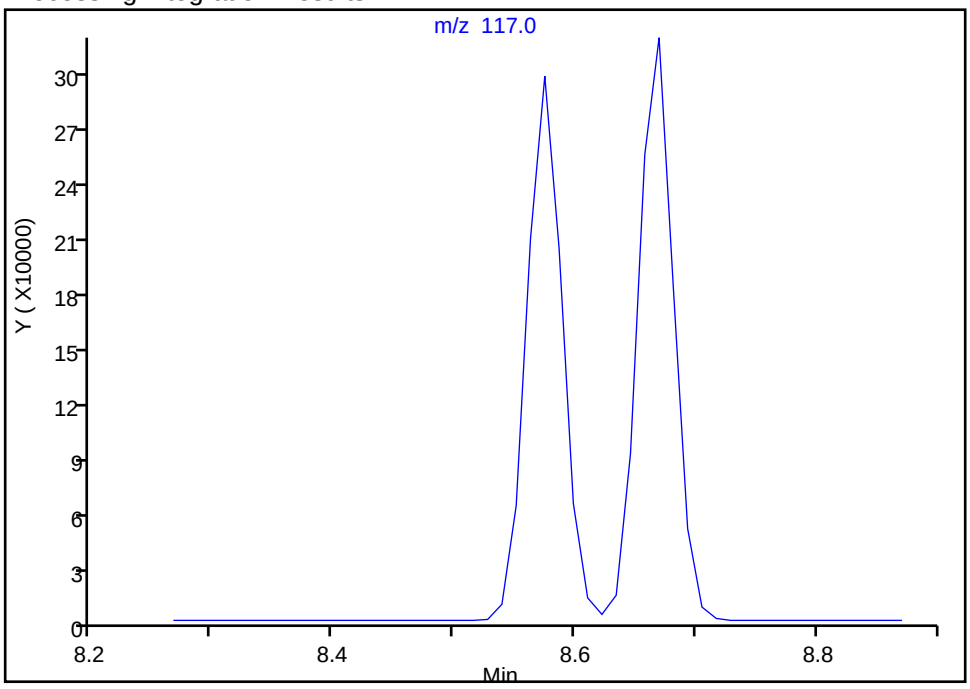
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Injection Date:	16-Jun-2021 17:01:30	Instrument ID:	A3UX9		
Lims ID:	std8260 L7				
Client ID:					
Operator ID:	001765	ALS Bottle#:	14	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_9	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

* 2 Chlorobenzene-d5, CAS: 3114-55-4

Signal: 1

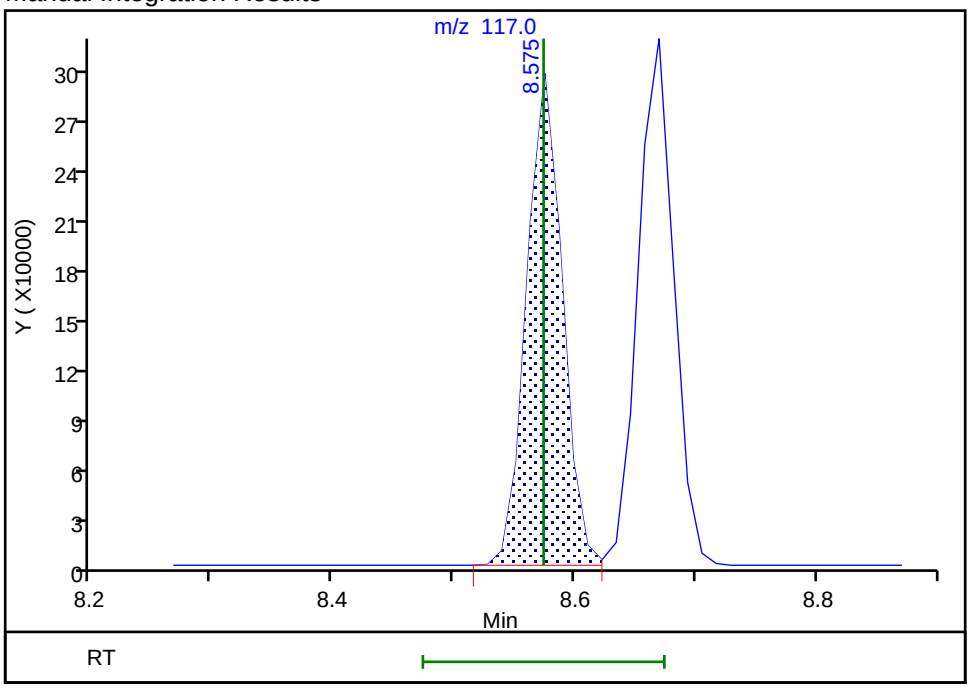
Not Detected
Expected RT: 8.57

Processing Integration Results



Manual Integration Results

RT: 8.57
Area: 605291
Amount: 20.000000
Amount Units: ug/l



Reviewer: bosworthh, 17-Jun-2021 08:16:34
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

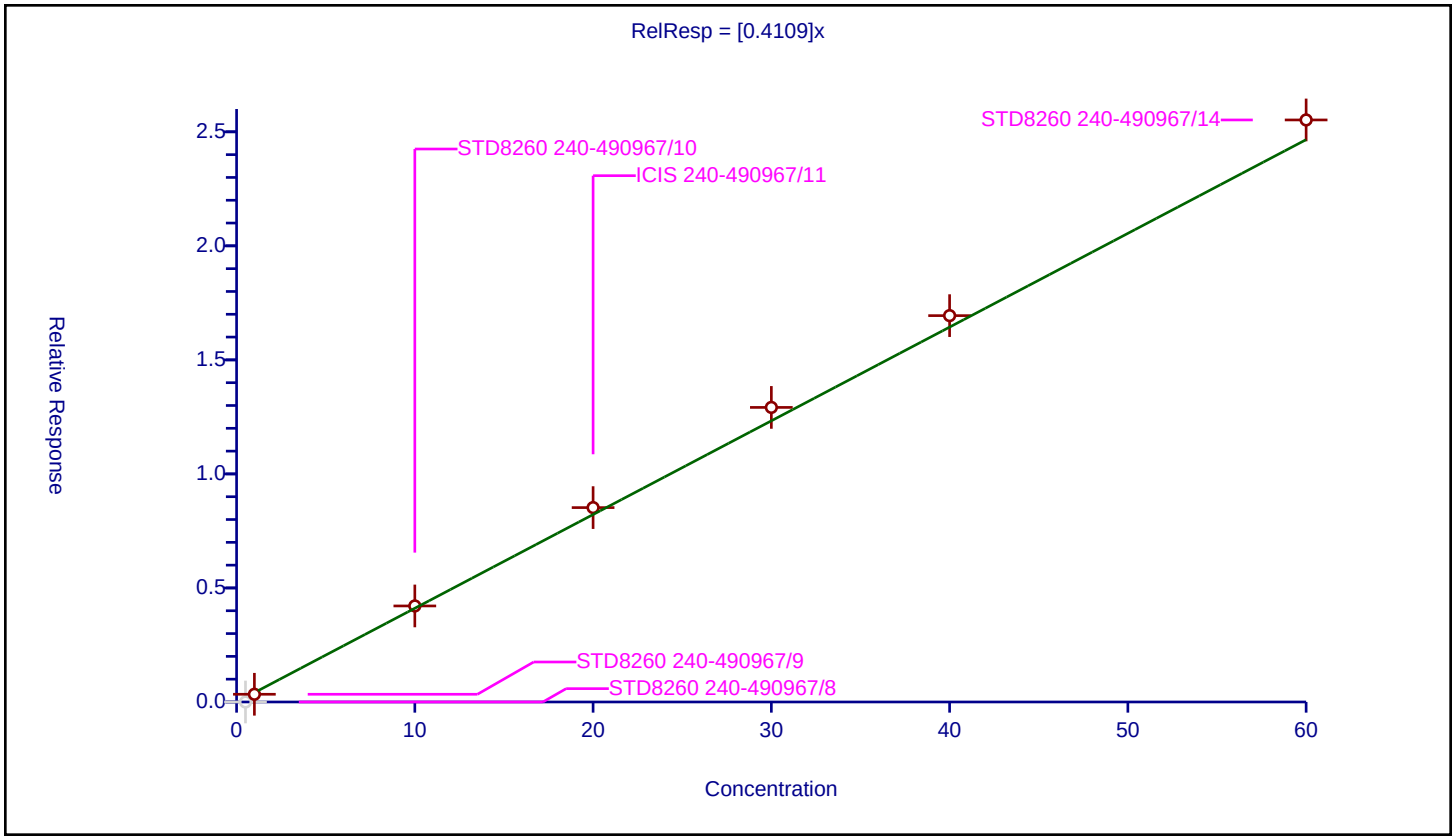
Curve Coefficients

Intercept:	0
Slope:	0.4109

Error Coefficients

Standard Error:	621000
Relative Standard Error:	8.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.0	20.0	903124.0	0.0	N
2	STD8260 240-490967/9	1.0	0.339001	20.0	827017.0	0.339001	Y
3	STD8260 240-490967/10	10.0	4.211116	20.0	825857.0	0.421112	Y
4	ICIS 240-490967/11	20.0	8.523177	20.0	808438.0	0.426159	Y
5	STD8260 240-490967/12	30.0	12.916051	20.0	809204.0	0.430535	Y
6	STD8260 240-490967/13	40.0	16.941095	20.0	805700.0	0.423527	Y
7	STD8260 240-490967/14	60.0	25.520921	20.0	798298.0	0.425349	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

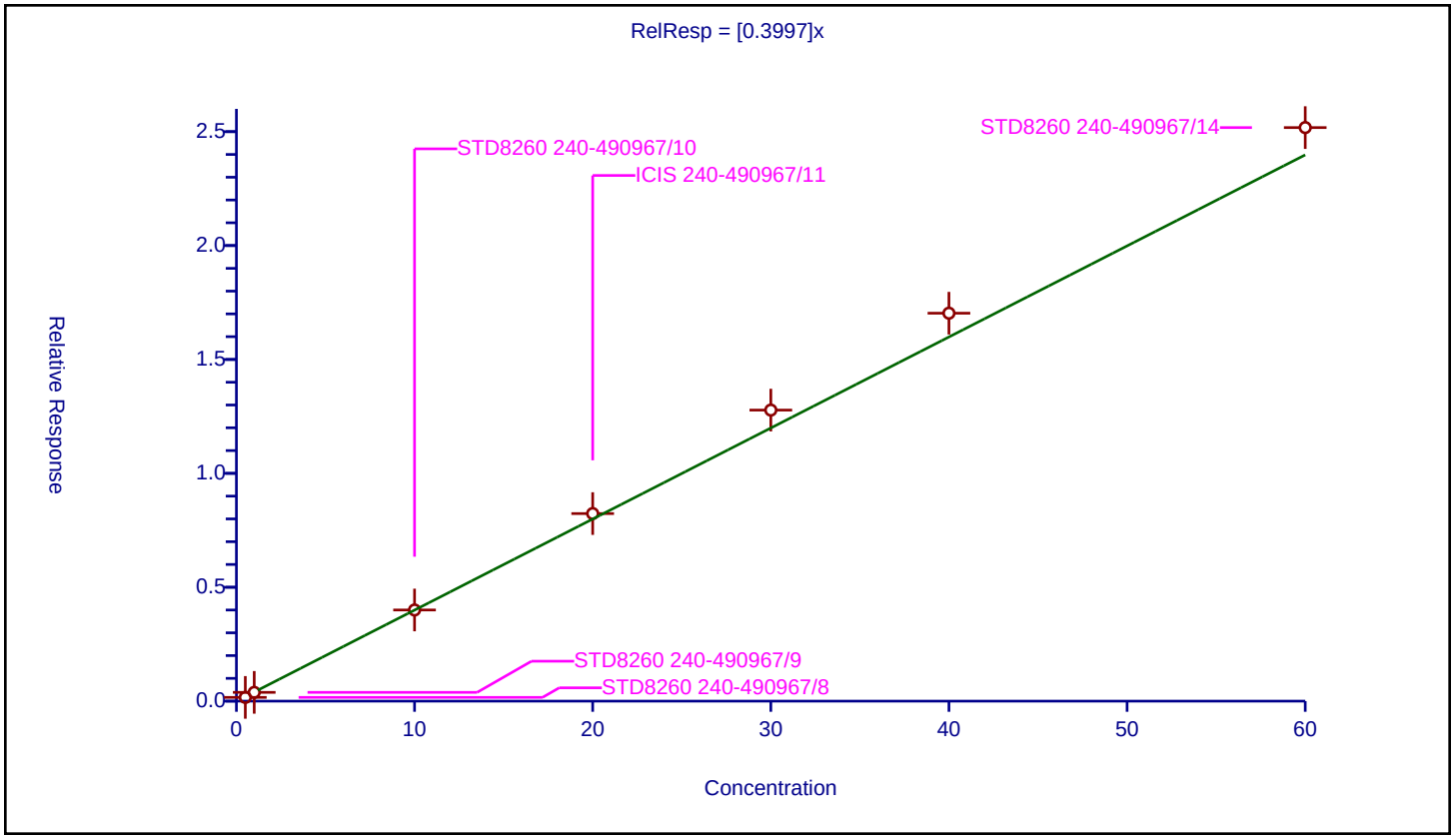
Curve Coefficients

Intercept:	0
Slope:	0.3997

Error Coefficients

Standard Error:	561000
Relative Standard Error:	8.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.164673	20.0	903124.0	0.329346	Y
2	STD8260 240-490967/9	1.0	0.385288	20.0	827017.0	0.385288	Y
3	STD8260 240-490967/10	10.0	4.001201	20.0	825857.0	0.40012	Y
4	ICIS 240-490967/11	20.0	8.233977	20.0	808438.0	0.411699	Y
5	STD8260 240-490967/12	30.0	12.777272	20.0	809204.0	0.425909	Y
6	STD8260 240-490967/13	40.0	17.031004	20.0	805700.0	0.425775	Y
7	STD8260 240-490967/14	60.0	25.179219	20.0	798298.0	0.419654	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

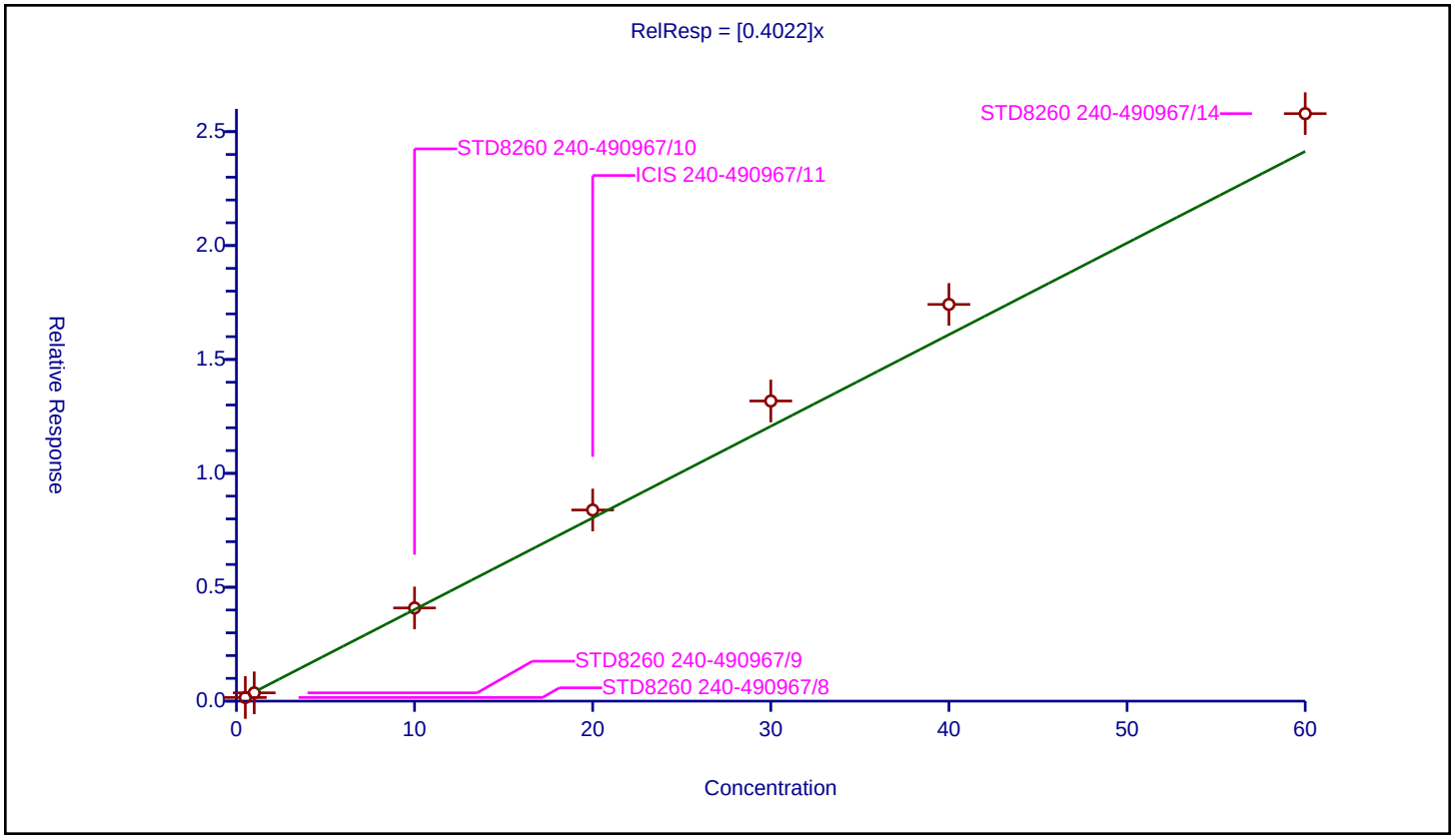
Curve Coefficients

Intercept:	0
Slope:	0.4022

Error Coefficients

Standard Error:	574000
Relative Standard Error:	11.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.159314	20.0	903124.0	0.318627	Y
2	STD8260 240-490967/9	1.0	0.364031	20.0	827017.0	0.364031	Y
3	STD8260 240-490967/10	10.0	4.090054	20.0	825857.0	0.409005	Y
4	ICIS 240-490967/11	20.0	8.390724	20.0	808438.0	0.419536	Y
5	STD8260 240-490967/12	30.0	13.177196	20.0	809204.0	0.43924	Y
6	STD8260 240-490967/13	40.0	17.415738	20.0	805700.0	0.435393	Y
7	STD8260 240-490967/14	60.0	25.791371	20.0	798298.0	0.429856	Y



Calibration / Butadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

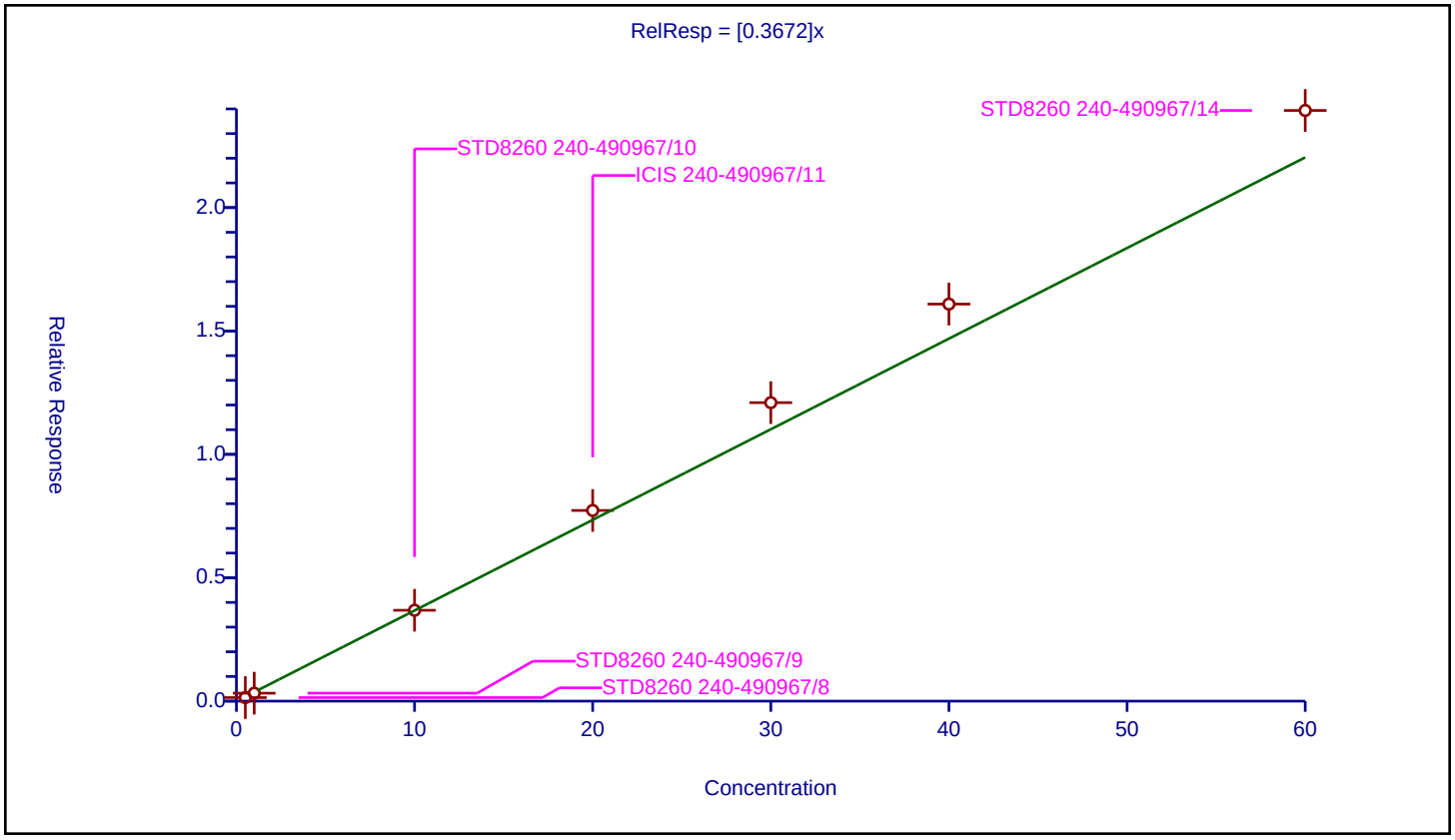
Curve Coefficients

Intercept:	0
Slope:	0.3672

Error Coefficients

Standard Error:	531000
Relative Standard Error:	12.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.144565	20.0	903124.0	0.28913	Y
2	STD8260 240-490967/9	1.0	0.322581	20.0	827017.0	0.322581	Y
3	STD8260 240-490967/10	10.0	3.682066	20.0	825857.0	0.368207	Y
4	ICIS 240-490967/11	20.0	7.726901	20.0	808438.0	0.386345	Y
5	STD8260 240-490967/12	30.0	12.096653	20.0	809204.0	0.403222	Y
6	STD8260 240-490967/13	40.0	16.089785	20.0	805700.0	0.402245	Y
7	STD8260 240-490967/14	60.0	23.935899	20.0	798298.0	0.398932	Y



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

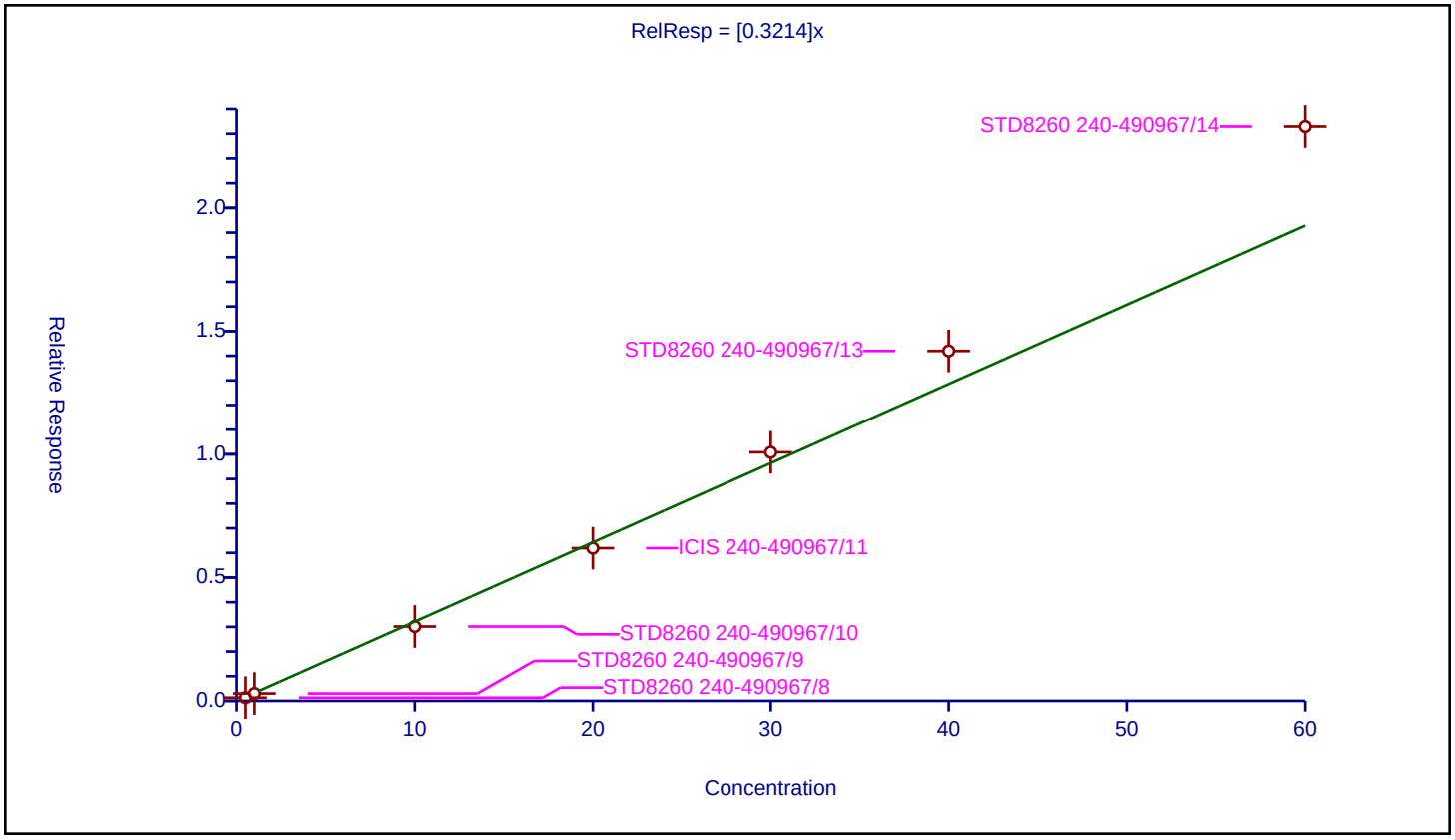
Curve Coefficients

Intercept:	0
Slope:	0.3214

Error Coefficients

Standard Error:	489000
Relative Standard Error:	13.1
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.129816	20.0	903124.0	0.259632	Y
2	STD8260 240-490967/9	1.0	0.299921	20.0	827017.0	0.299921	Y
3	STD8260 240-490967/10	10.0	3.014711	20.0	825857.0	0.301471	Y
4	ICIS 240-490967/11	20.0	6.190901	20.0	808438.0	0.309545	Y
5	STD8260 240-490967/12	30.0	10.081265	20.0	809204.0	0.336042	Y
6	STD8260 240-490967/13	40.0	14.195979	20.0	805700.0	0.354899	Y
7	STD8260 240-490967/14	60.0	23.293031	20.0	798298.0	0.388217	Y



Calibration / Chloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

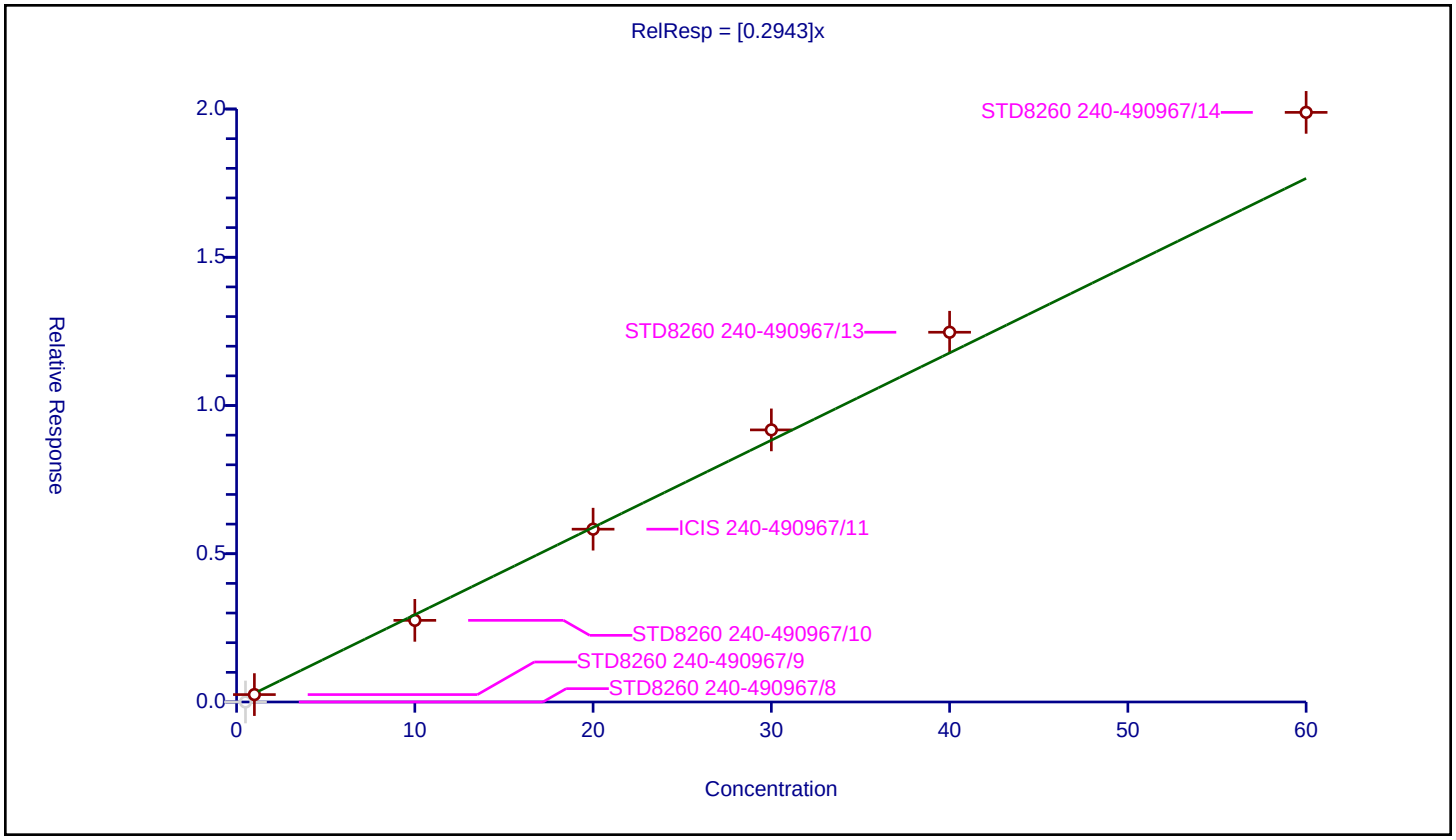
Curve Coefficients

Intercept:	0
Slope:	0.2943

Error Coefficients

Standard Error:	467000
Relative Standard Error:	9.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.0	20.0	903124.0	0.0	N
2	STD8260 240-490967/9	1.0	0.250007	20.0	827017.0	0.250007	Y
3	STD8260 240-490967/10	10.0	2.753963	20.0	825857.0	0.275396	Y
4	ICIS 240-490967/11	20.0	5.828746	20.0	808438.0	0.291437	Y
5	STD8260 240-490967/12	30.0	9.177612	20.0	809204.0	0.30592	Y
6	STD8260 240-490967/13	40.0	12.470671	20.0	805700.0	0.311767	Y
7	STD8260 240-490967/14	60.0	19.886759	20.0	798298.0	0.331446	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

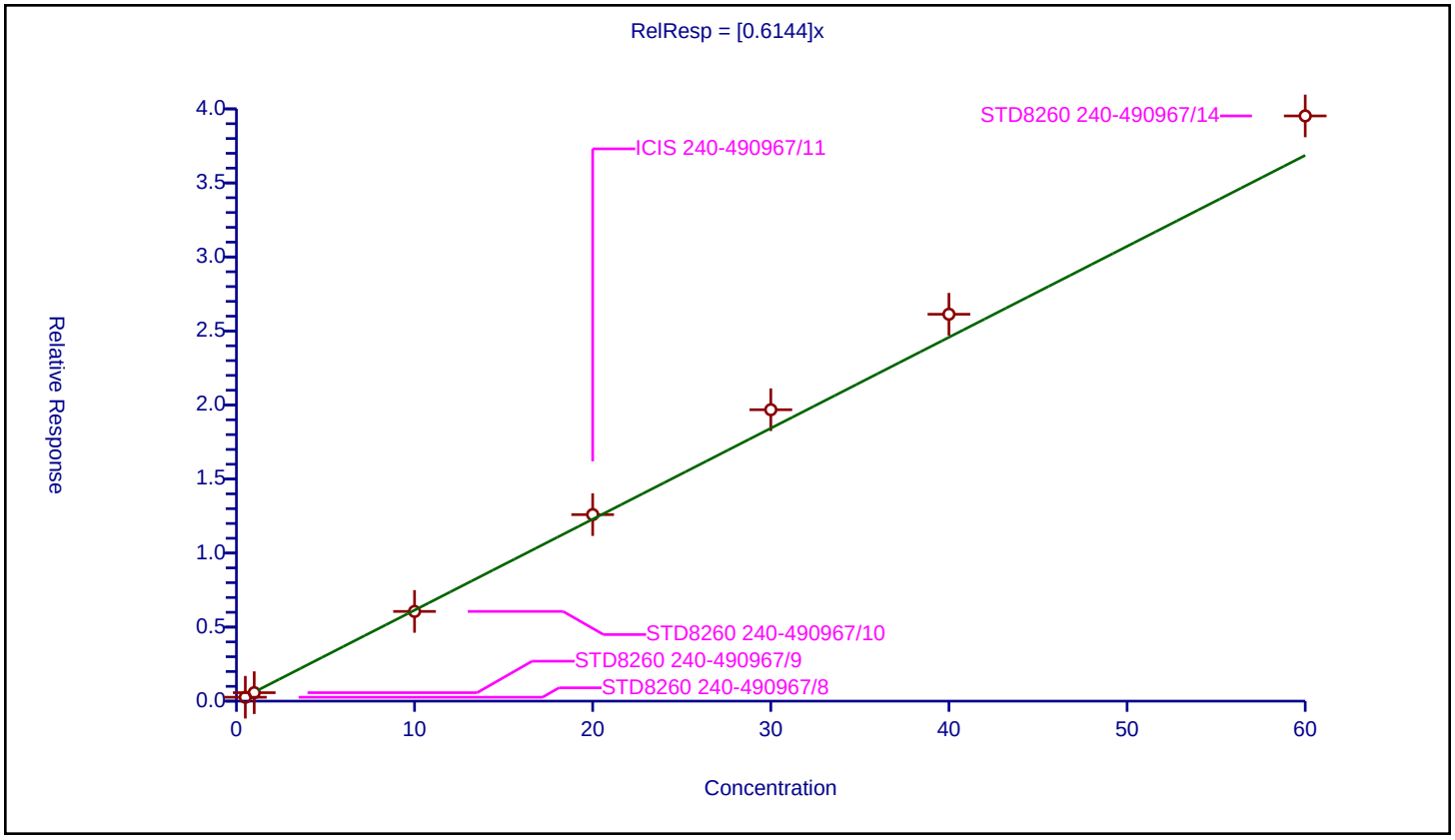
Curve Coefficients

Intercept:	0
Slope:	0.6144

Error Coefficients

Standard Error:	871000
Relative Standard Error:	8.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.262622	20.0	903124.0	0.525243	Y
2	STD8260 240-490967/9	1.0	0.571451	20.0	827017.0	0.571451	Y
3	STD8260 240-490967/10	10.0	6.059015	20.0	825857.0	0.605902	Y
4	ICIS 240-490967/11	20.0	12.598344	20.0	808438.0	0.629917	Y
5	STD8260 240-490967/12	30.0	19.682008	20.0	809204.0	0.656067	Y
6	STD8260 240-490967/13	40.0	26.131364	20.0	805700.0	0.653284	Y
7	STD8260 240-490967/14	60.0	39.524438	20.0	798298.0	0.658741	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

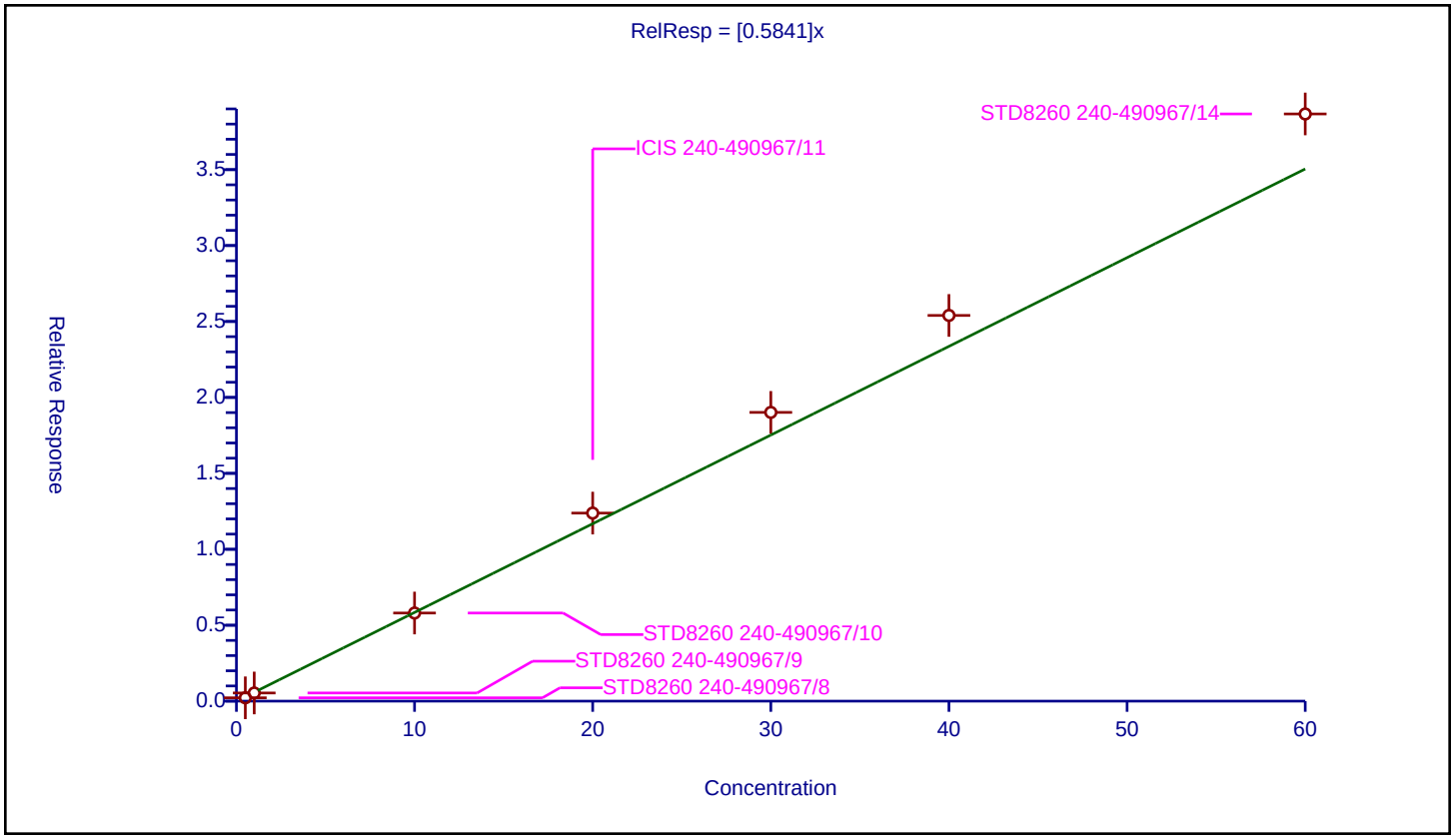
Curve Coefficients

Intercept:	0
Slope:	0.5841

Error Coefficients

Standard Error:	849000
Relative Standard Error:	12.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.219615	20.0	903124.0	0.439231	Y
2	STD8260 240-490967/9	1.0	0.536797	20.0	827017.0	0.536797	Y
3	STD8260 240-490967/10	10.0	5.801852	20.0	825857.0	0.580185	Y
4	ICIS 240-490967/11	20.0	12.382347	20.0	808438.0	0.619117	Y
5	STD8260 240-490967/12	30.0	19.015279	20.0	809204.0	0.633843	Y
6	STD8260 240-490967/13	40.0	25.399057	20.0	805700.0	0.634976	Y
7	STD8260 240-490967/14	60.0	38.666663	20.0	798298.0	0.644444	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

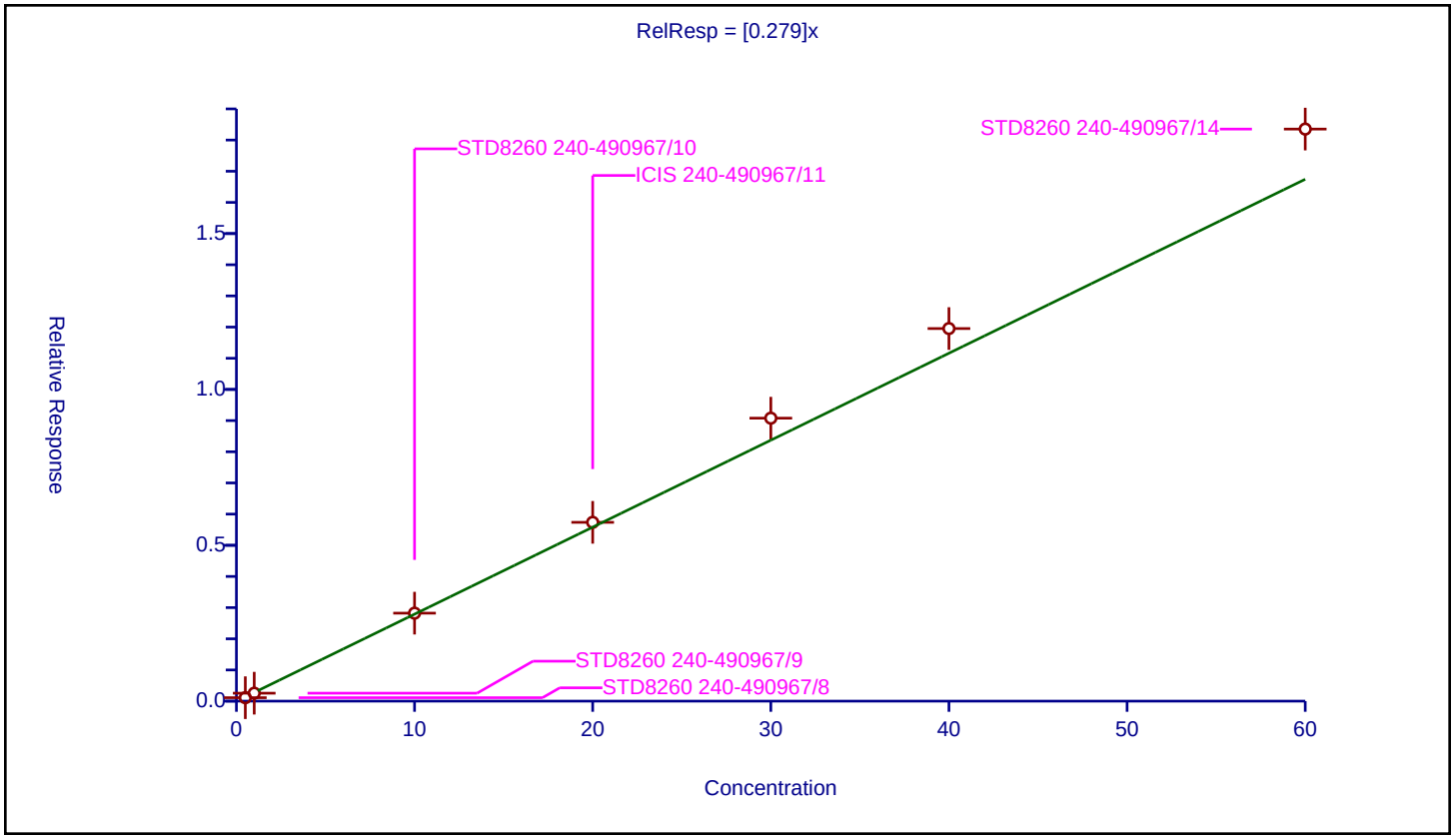
Curve Coefficients

Intercept:	0
Slope:	0.279

Error Coefficients

Standard Error:	402000
Relative Standard Error:	10.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.110904	20.0	903124.0	0.221808	Y
2	STD8260 240-490967/9	1.0	0.255037	20.0	827017.0	0.255037	Y
3	STD8260 240-490967/10	10.0	2.822983	20.0	825857.0	0.282298	Y
4	ICIS 240-490967/11	20.0	5.736197	20.0	808438.0	0.28681	Y
5	STD8260 240-490967/12	30.0	9.077909	20.0	809204.0	0.302597	Y
6	STD8260 240-490967/13	40.0	11.95368	20.0	805700.0	0.298842	Y
7	STD8260 240-490967/14	60.0	18.352445	20.0	798298.0	0.305874	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

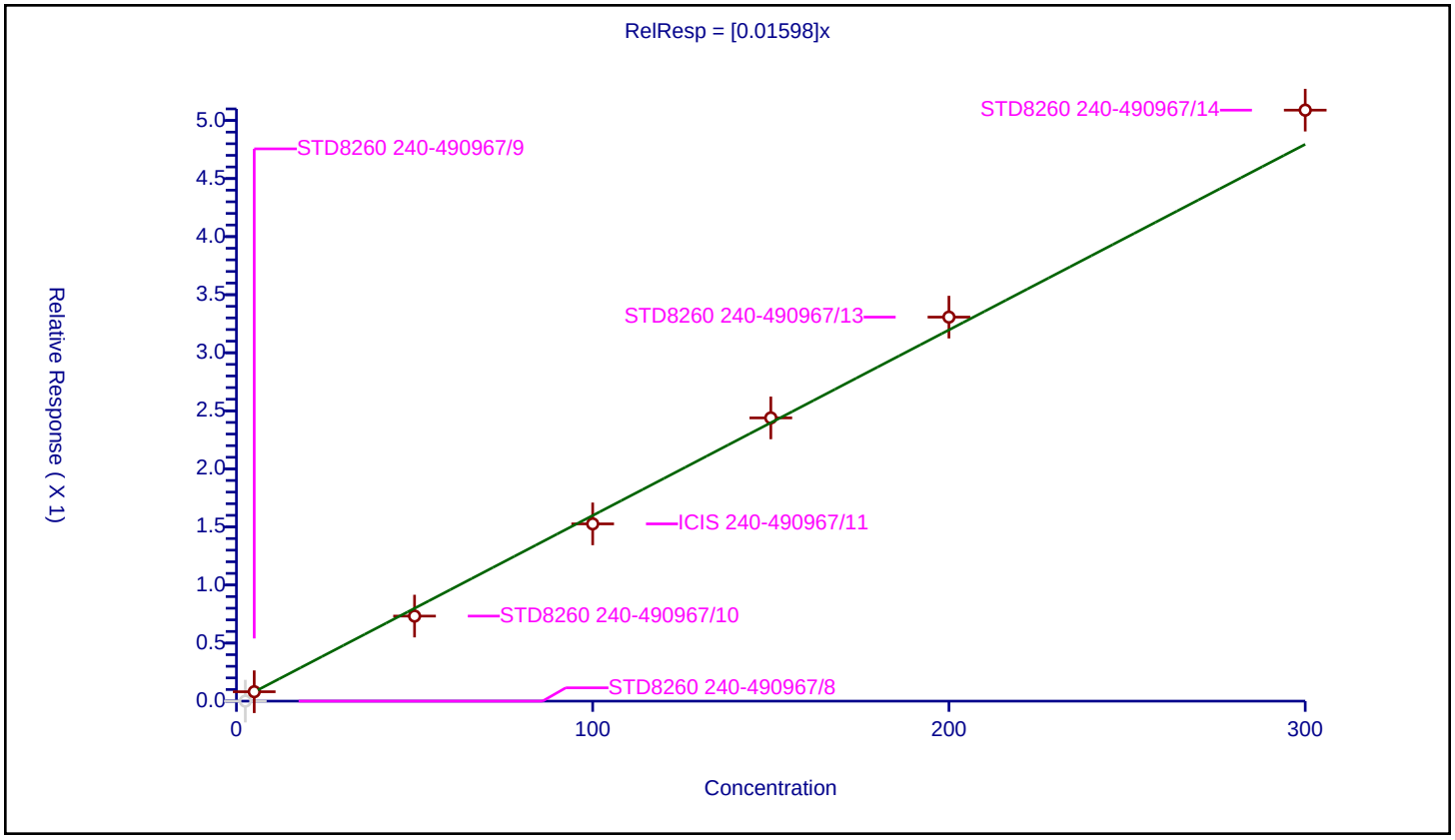
Curve Coefficients

Intercept:	0
Slope:	0.01598

Error Coefficients

Standard Error:	121000
Relative Standard Error:	5.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	2.5	0.0	20.0	903124.0	0.0	N
2	STD8260 240-490967/9	5.0	0.081135	20.0	827017.0	0.016227	Y
3	STD8260 240-490967/10	50.0	0.732524	20.0	825857.0	0.01465	Y
4	ICIS 240-490967/11	100.0	1.526524	20.0	808438.0	0.015265	Y
5	STD8260 240-490967/12	150.0	2.438989	20.0	809204.0	0.01626	Y
6	STD8260 240-490967/13	200.0	3.306888	20.0	805700.0	0.016534	Y
7	STD8260 240-490967/14	300.0	5.089252	20.0	798298.0	0.016964	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

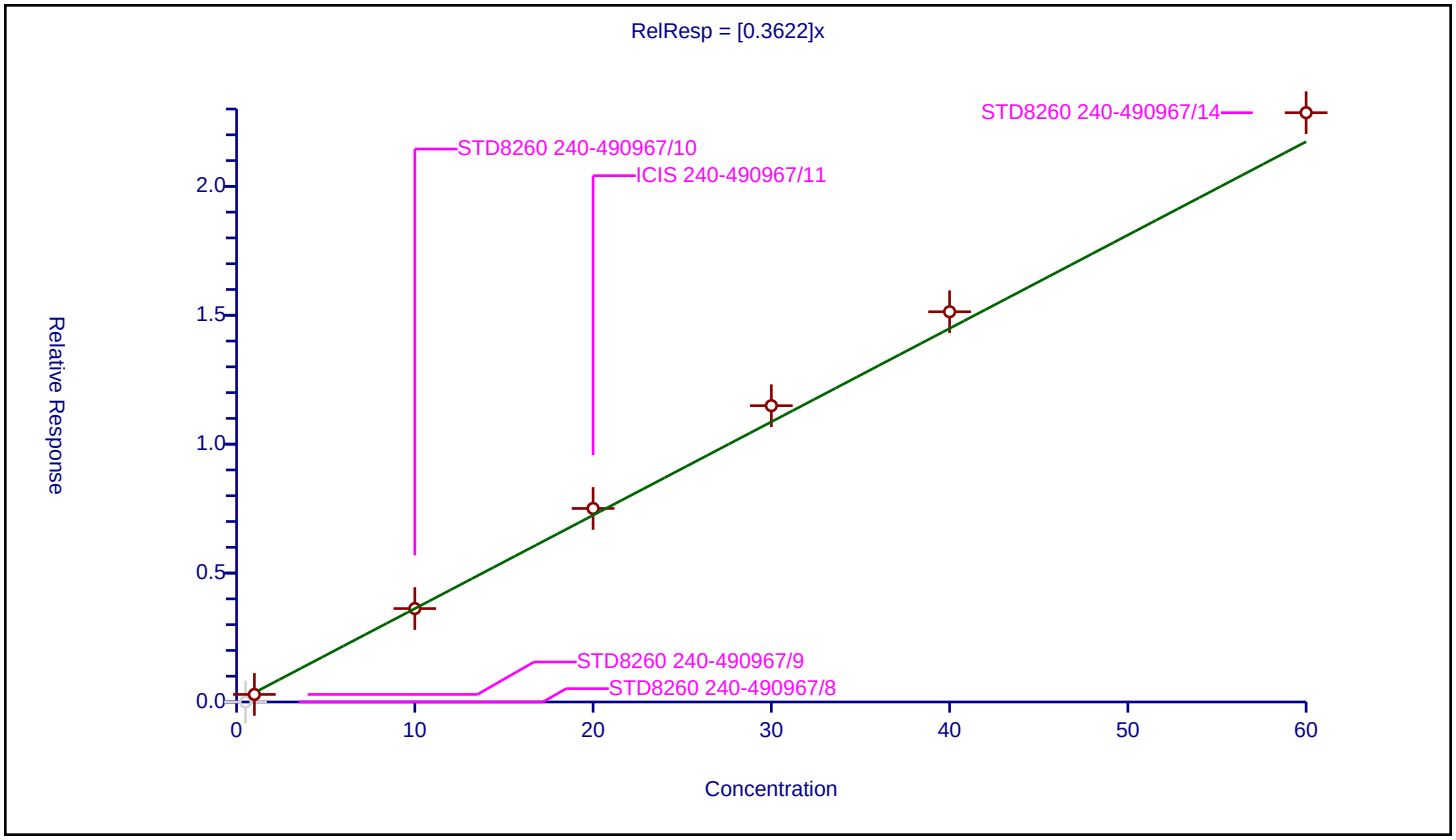
Curve Coefficients

Intercept:	0
Slope:	0.3622

Error Coefficients

Standard Error:	554000
Relative Standard Error:	9.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.0	20.0	903124.0	0.0	N
2	STD8260 240-490967/9	1.0	0.293174	20.0	827017.0	0.293174	Y
3	STD8260 240-490967/10	10.0	3.623581	20.0	825857.0	0.362358	Y
4	ICIS 240-490967/11	20.0	7.506525	20.0	808438.0	0.375326	Y
5	STD8260 240-490967/12	30.0	11.493295	20.0	809204.0	0.38311	Y
6	STD8260 240-490967/13	40.0	15.136602	20.0	805700.0	0.378415	Y
7	STD8260 240-490967/14	60.0	22.857304	20.0	798298.0	0.380955	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

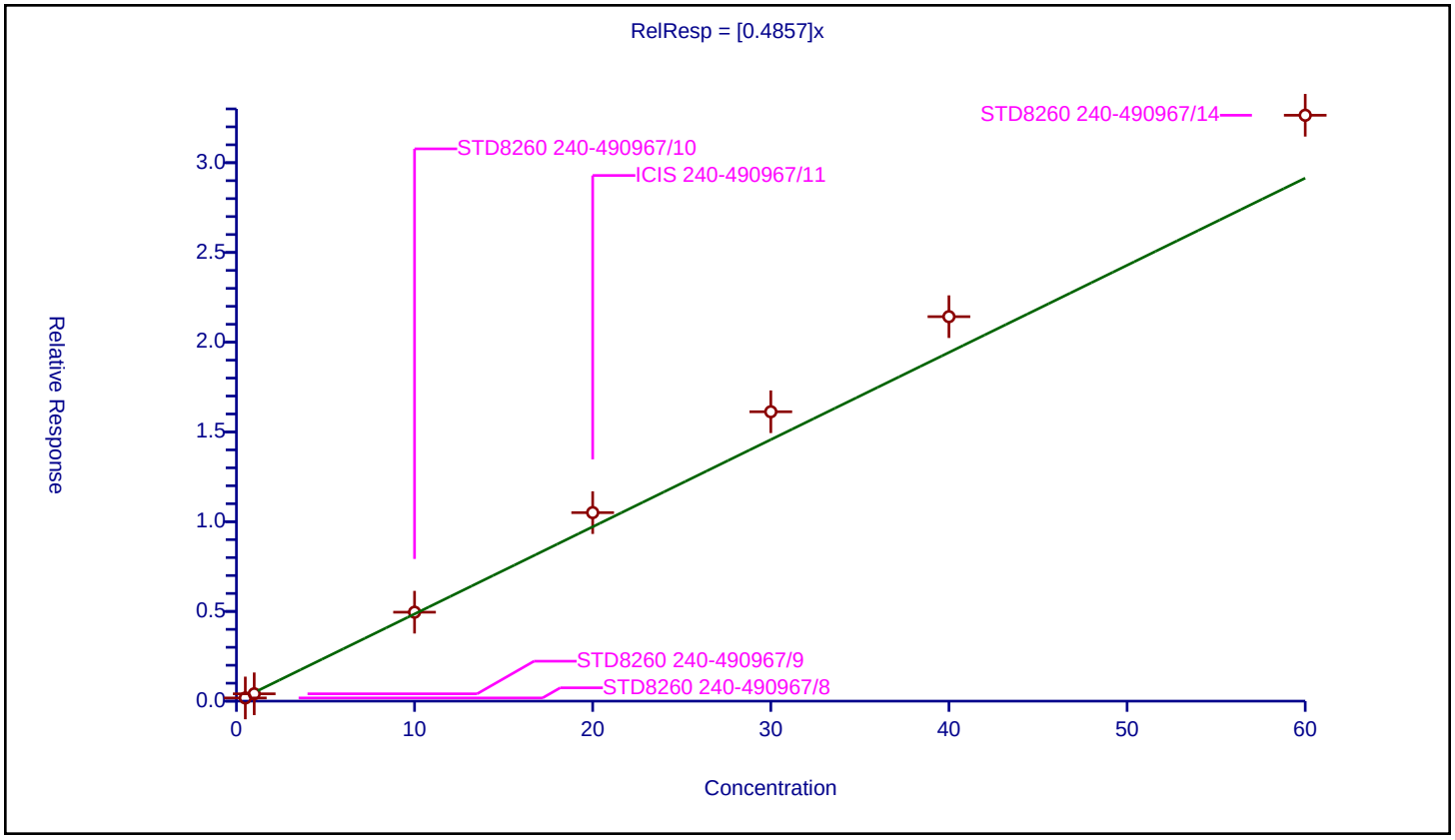
Curve Coefficients

Intercept:	0
Slope:	0.4857

Error Coefficients

Standard Error:	718000
Relative Standard Error:	15.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.176609	20.0	903124.0	0.353218	Y
2	STD8260 240-490967/9	1.0	0.408867	20.0	827017.0	0.408867	Y
3	STD8260 240-490967/10	10.0	4.955313	20.0	825857.0	0.495531	Y
4	ICIS 240-490967/11	20.0	10.504974	20.0	808438.0	0.525249	Y
5	STD8260 240-490967/12	30.0	16.125452	20.0	809204.0	0.537515	Y
6	STD8260 240-490967/13	40.0	21.422986	20.0	805700.0	0.535575	Y
7	STD8260 240-490967/14	60.0	32.644702	20.0	798298.0	0.544078	Y



Calibration / Acetone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

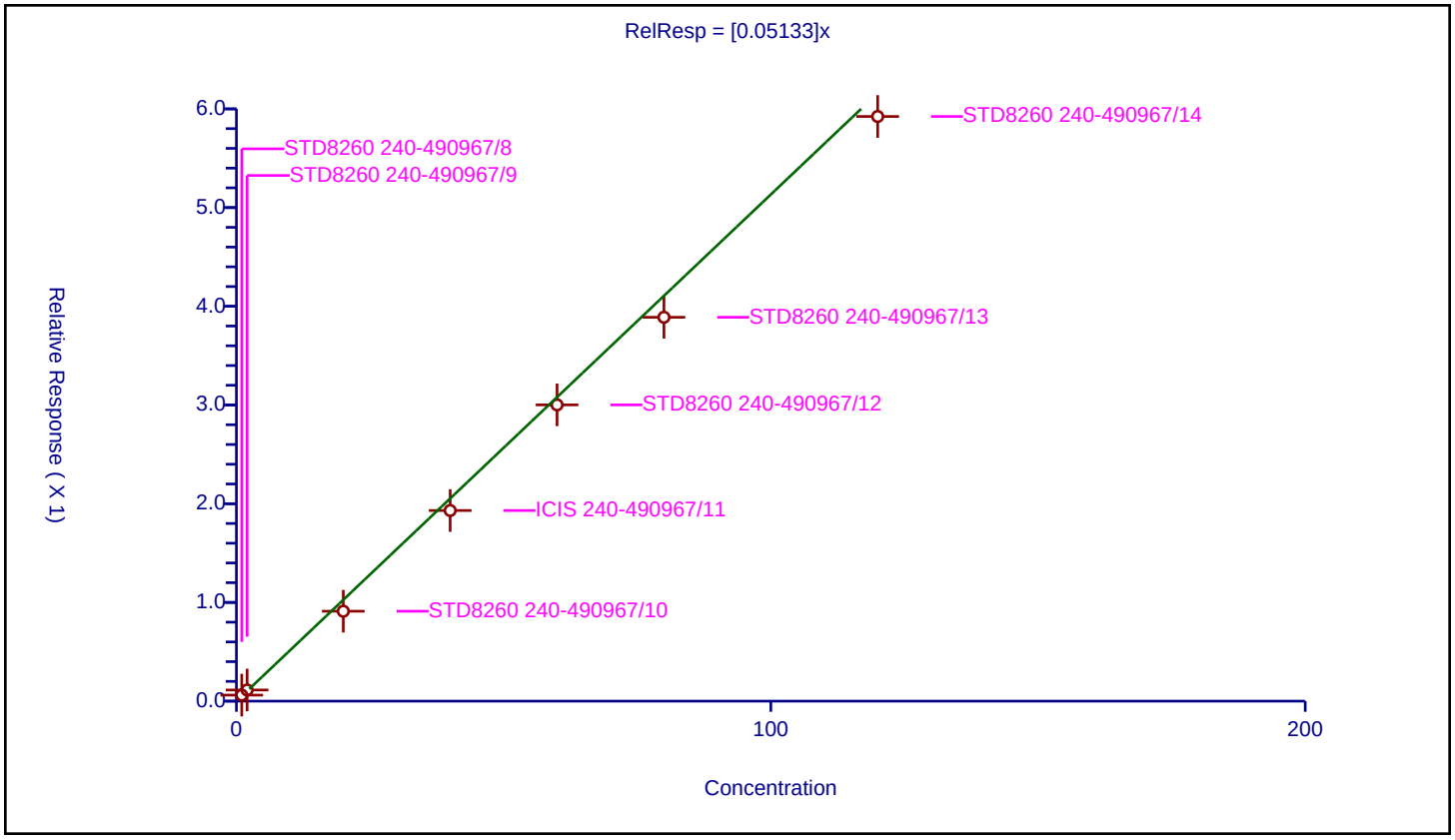
Curve Coefficients

Intercept:	0
Slope:	0.05133

Error Coefficients

Standard Error:	131000
Relative Standard Error:	10.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	1.0	0.06101	20.0	903124.0	0.06101	Y
2	STD8260 240-490967/9	2.0	0.112888	20.0	827017.0	0.056444	Y
3	STD8260 240-490967/10	20.0	0.911005	20.0	825857.0	0.04555	Y
4	ICIS 240-490967/11	40.0	1.931354	20.0	808438.0	0.048284	Y
5	STD8260 240-490967/12	60.0	3.001518	20.0	809204.0	0.050025	Y
6	STD8260 240-490967/13	80.0	3.888743	20.0	805700.0	0.048609	Y
7	STD8260 240-490967/14	120.0	5.923051	20.0	798298.0	0.049359	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

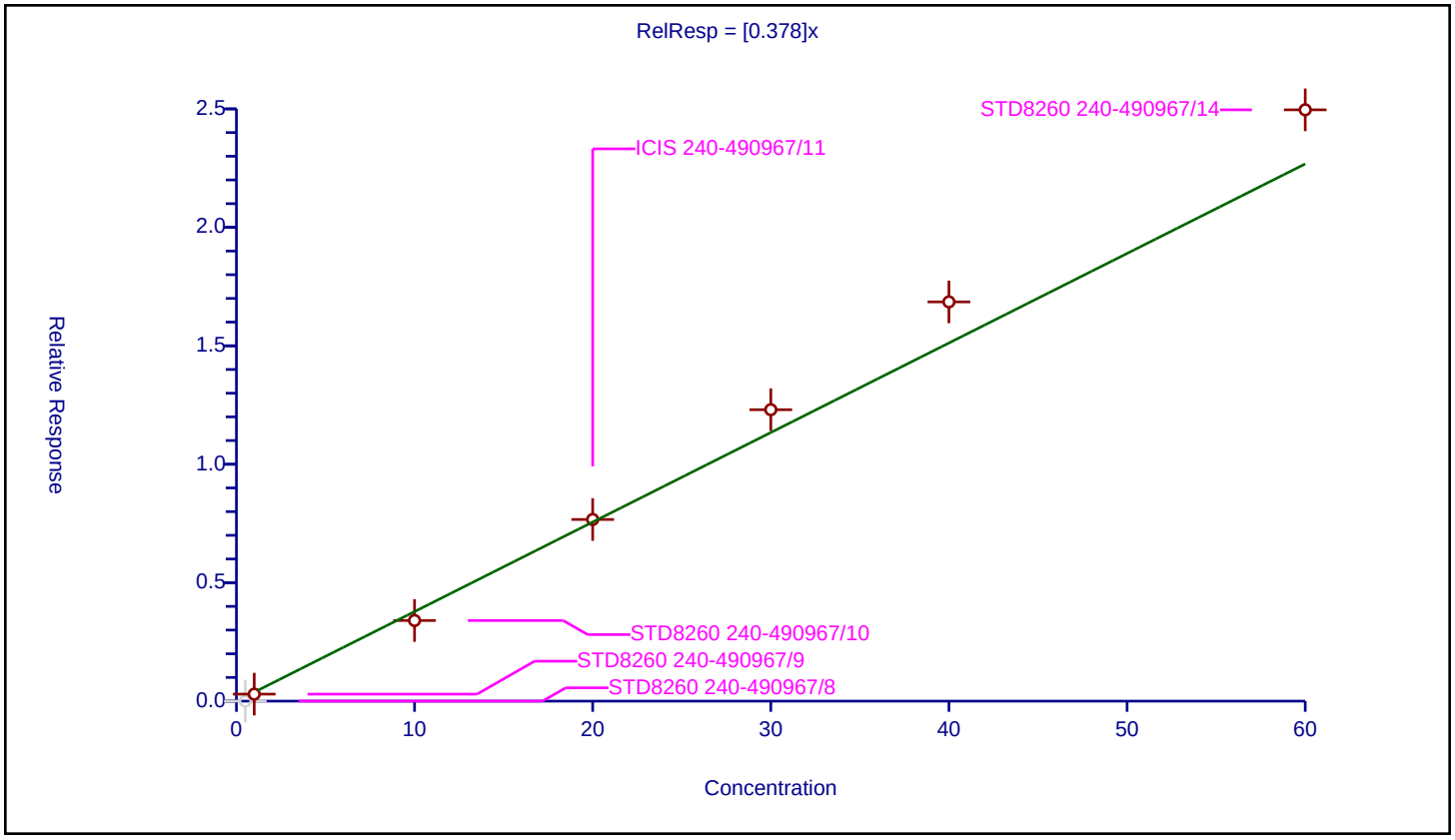
Curve Coefficients

Intercept:	0
Slope:	0.378

Error Coefficients

Standard Error:	603000
Relative Standard Error:	13.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.0	20.0	903124.0	0.0	N
2	STD8260 240-490967/9	1.0	0.296608	20.0	827017.0	0.296608	Y
3	STD8260 240-490967/10	10.0	3.403422	20.0	825857.0	0.340342	Y
4	ICIS 240-490967/11	20.0	7.667576	20.0	808438.0	0.383379	Y
5	STD8260 240-490967/12	30.0	12.302534	20.0	809204.0	0.410084	Y
6	STD8260 240-490967/13	40.0	16.852997	20.0	805700.0	0.421325	Y
7	STD8260 240-490967/14	60.0	24.960103	20.0	798298.0	0.416002	Y



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

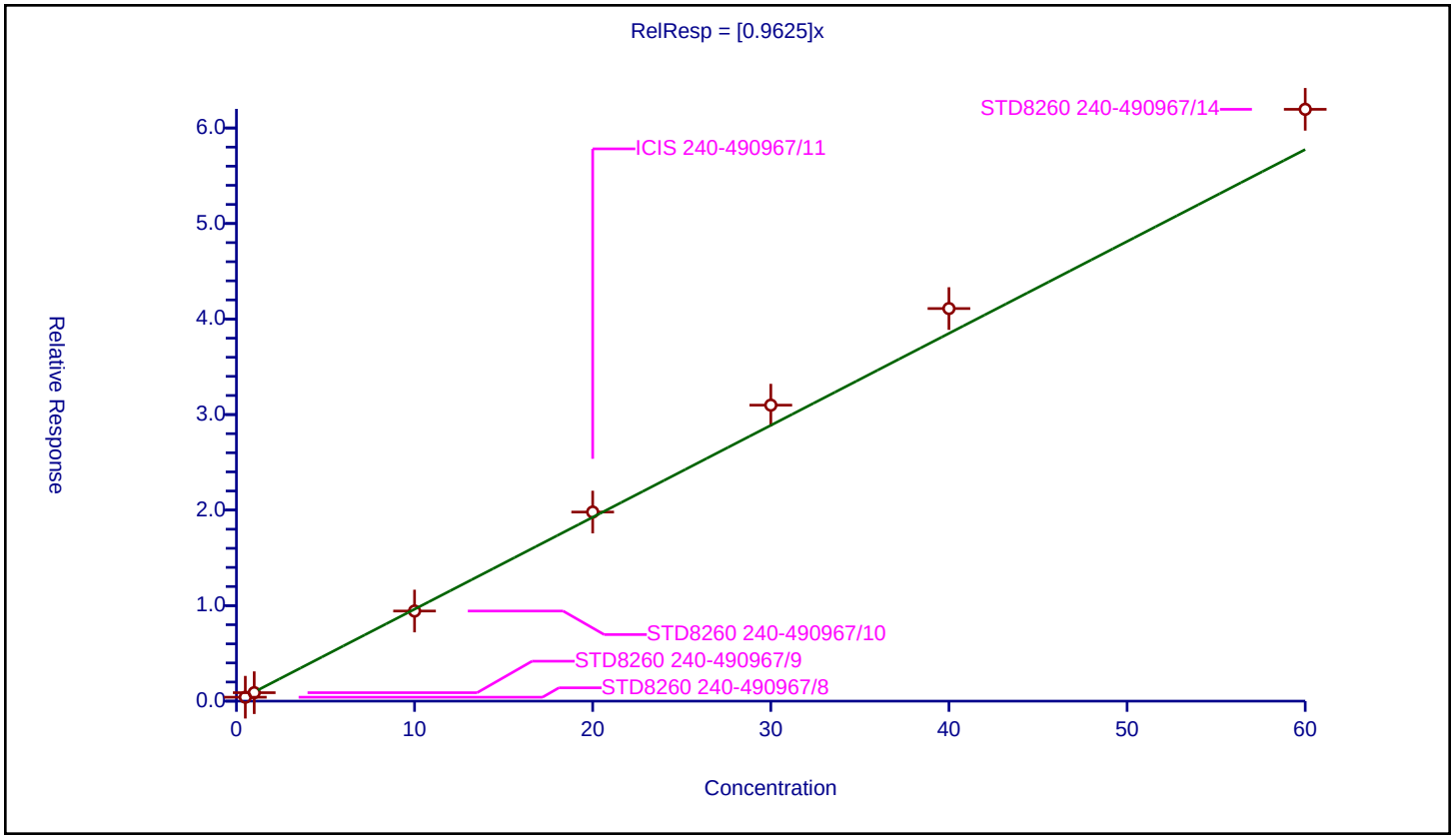
Curve Coefficients

Intercept:	0
Slope:	0.9625

Error Coefficients

Standard Error:	1370000
Relative Standard Error:	8.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.412524	20.0	903124.0	0.825047	Y
2	STD8260 240-490967/9	1.0	0.886318	20.0	827017.0	0.886318	Y
3	STD8260 240-490967/10	10.0	9.432626	20.0	825857.0	0.943263	Y
4	ICIS 240-490967/11	20.0	19.795655	20.0	808438.0	0.989783	Y
5	STD8260 240-490967/12	30.0	30.985388	20.0	809204.0	1.032846	Y
6	STD8260 240-490967/13	40.0	41.100335	20.0	805700.0	1.027508	Y
7	STD8260 240-490967/14	60.0	61.955786	20.0	798298.0	1.032596	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

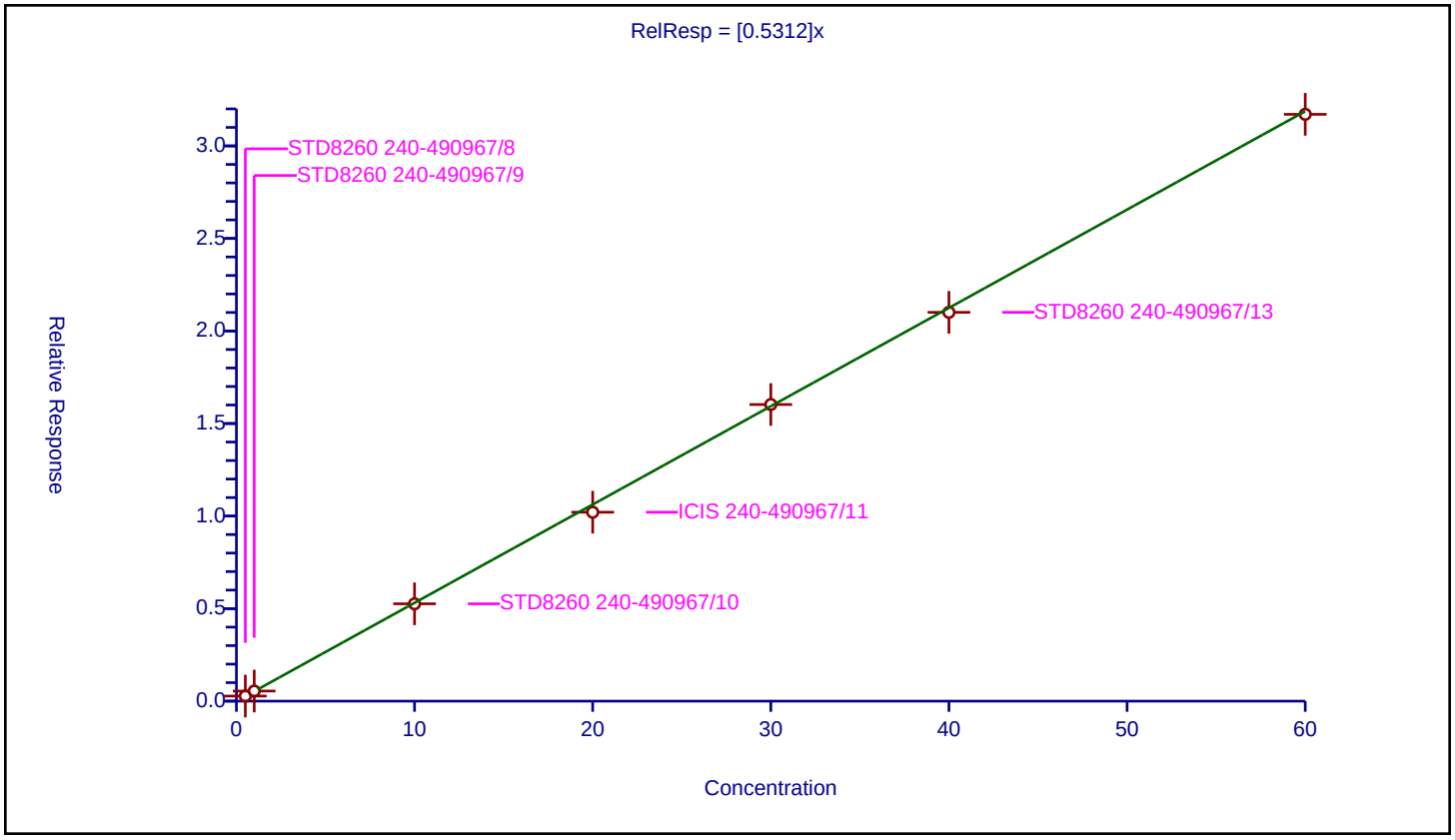
Curve Coefficients

Intercept:	0
Slope:	0.5312

Error Coefficients

Standard Error:	702000
Relative Standard Error:	2.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.273938	20.0	903124.0	0.547876	Y
2	STD8260 240-490967/9	1.0	0.546107	20.0	827017.0	0.546107	Y
3	STD8260 240-490967/10	10.0	5.259046	20.0	825857.0	0.525905	Y
4	ICIS 240-490967/11	20.0	10.208352	20.0	808438.0	0.510418	Y
5	STD8260 240-490967/12	30.0	16.026737	20.0	809204.0	0.534225	Y
6	STD8260 240-490967/13	40.0	21.007794	20.0	805700.0	0.525195	Y
7	STD8260 240-490967/14	60.0	31.707032	20.0	798298.0	0.528451	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

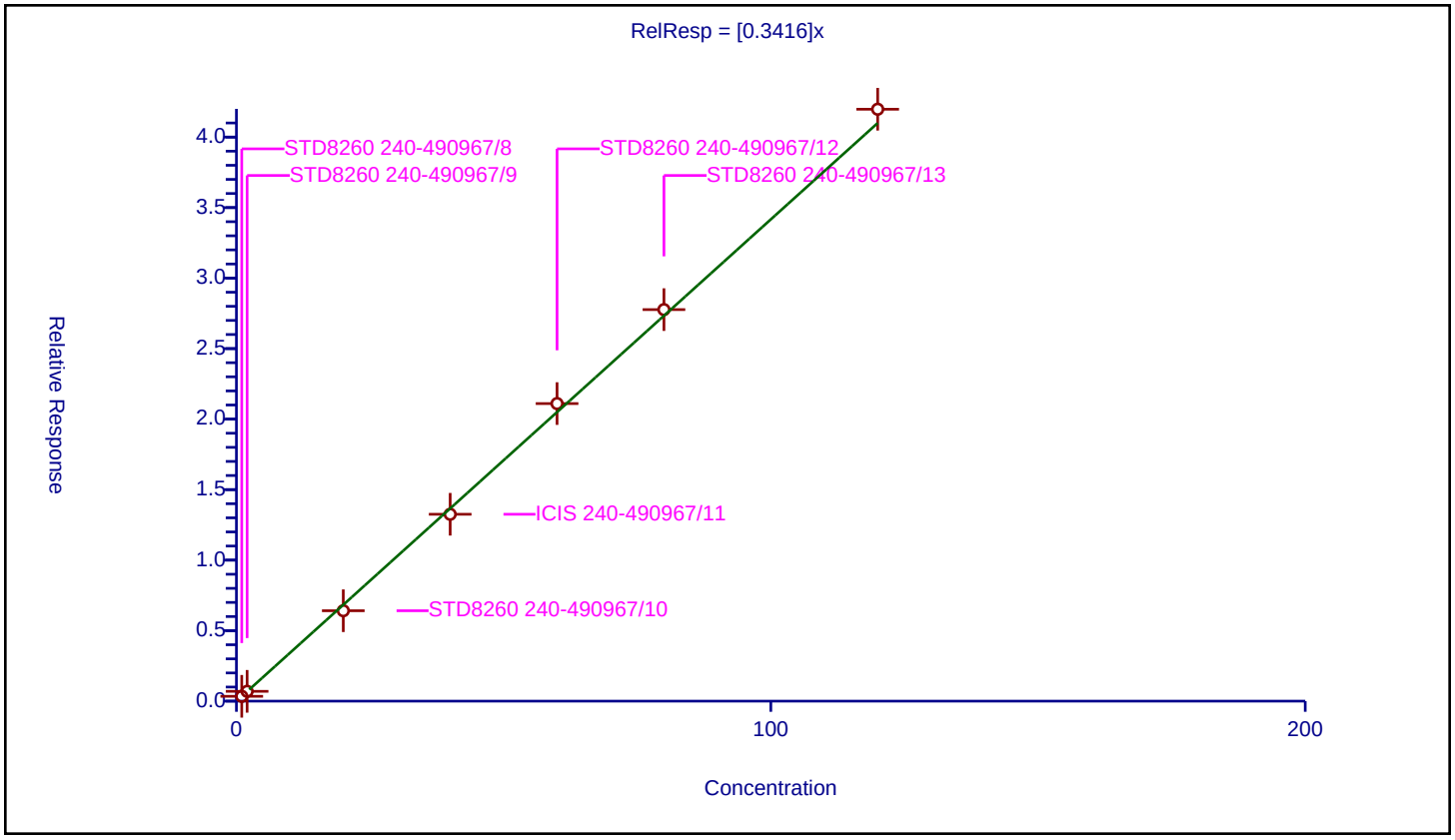
Curve Coefficients

Intercept:	0
Slope:	0.3416

Error Coefficients

Standard Error:	926000
Relative Standard Error:	3.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	1.0	0.342832	20.0	903124.0	0.342832	Y
2	STD8260 240-490967/9	2.0	0.696237	20.0	827017.0	0.348119	Y
3	STD8260 240-490967/10	20.0	6.411764	20.0	825857.0	0.320588	Y
4	ICIS 240-490967/11	40.0	13.253311	20.0	808438.0	0.331333	Y
5	STD8260 240-490967/12	60.0	21.102664	20.0	809204.0	0.351711	Y
6	STD8260 240-490967/13	80.0	27.765347	20.0	805700.0	0.347067	Y
7	STD8260 240-490967/14	120.0	41.975778	20.0	798298.0	0.349798	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

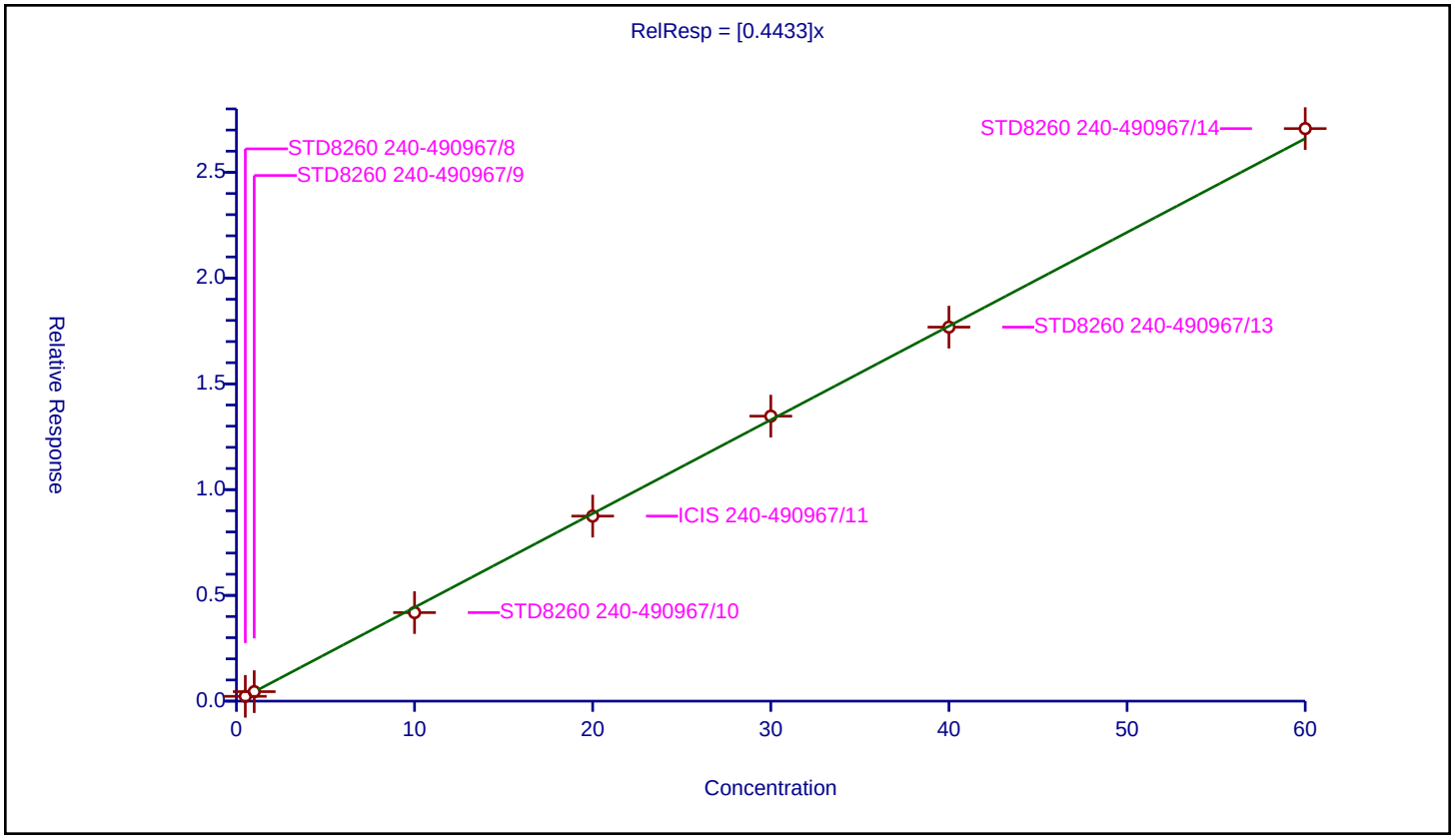
Curve Coefficients

Intercept:	0
Slope:	0.4433

Error Coefficients

Standard Error:	595000
Relative Standard Error:	2.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.227787	20.0	903124.0	0.455574	Y
2	STD8260 240-490967/9	1.0	0.449011	20.0	827017.0	0.449011	Y
3	STD8260 240-490967/10	10.0	4.186487	20.0	825857.0	0.418649	Y
4	ICIS 240-490967/11	20.0	8.748154	20.0	808438.0	0.437408	Y
5	STD8260 240-490967/12	30.0	13.474476	20.0	809204.0	0.449149	Y
6	STD8260 240-490967/13	40.0	17.682661	20.0	805700.0	0.442067	Y
7	STD8260 240-490967/14	60.0	27.068062	20.0	798298.0	0.451134	Y



Calibration / 2-Methyl-2-propanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

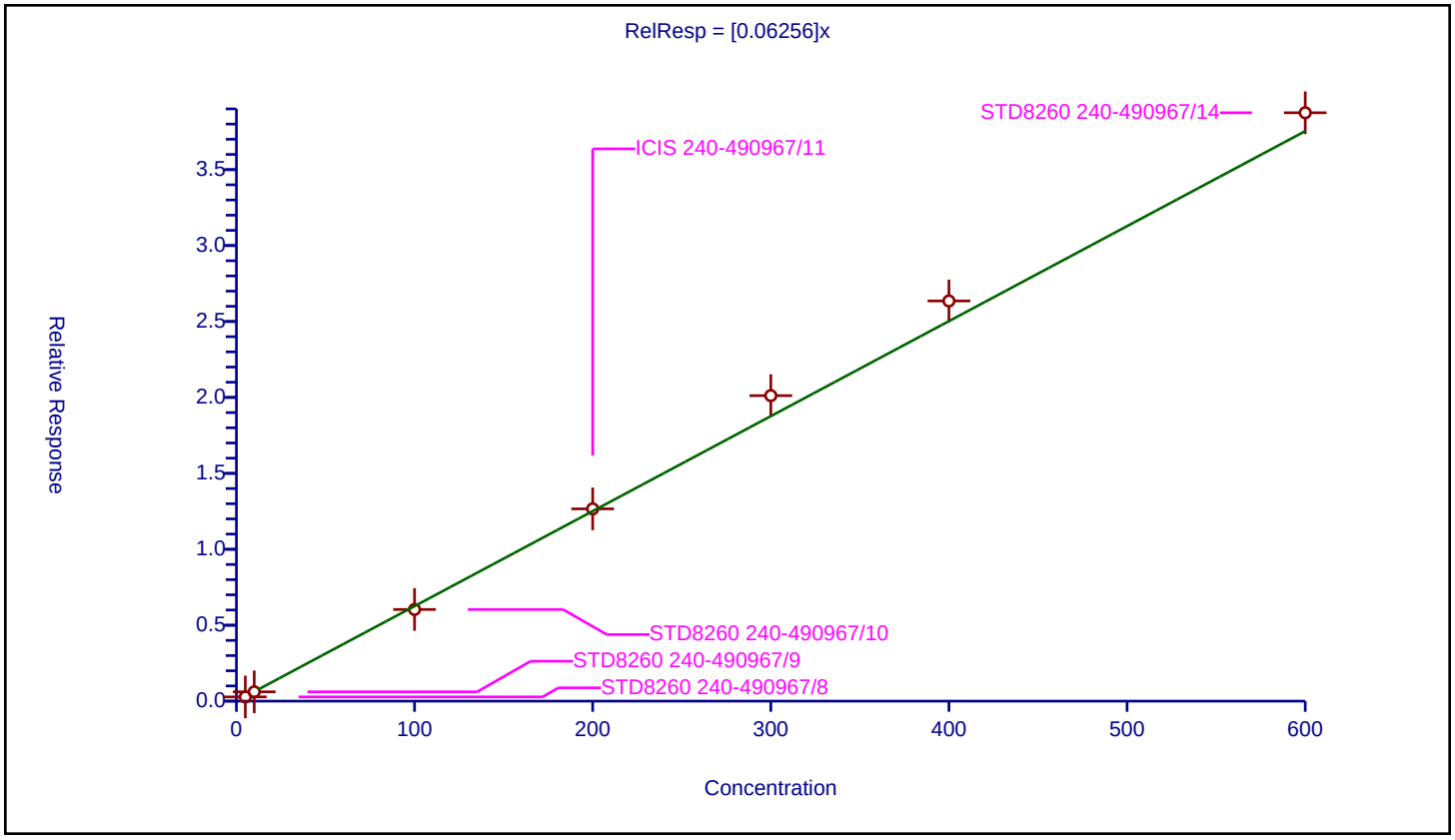
Curve Coefficients

Intercept:	0
Slope:	0.06256

Error Coefficients

Standard Error:	867000
Relative Standard Error:	6.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	5.0	0.277105	20.0	903124.0	0.055421	Y
2	STD8260 240-490967/9	10.0	0.612829	20.0	827017.0	0.061283	Y
3	STD8260 240-490967/10	100.0	6.035621	20.0	825857.0	0.060356	Y
4	ICIS 240-490967/11	200.0	12.661528	20.0	808438.0	0.063308	Y
5	STD8260 240-490967/12	300.0	20.118091	20.0	809204.0	0.06706	Y
6	STD8260 240-490967/13	400.0	26.35224	20.0	805700.0	0.065881	Y
7	STD8260 240-490967/14	600.0	38.746333	20.0	798298.0	0.064577	Y



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

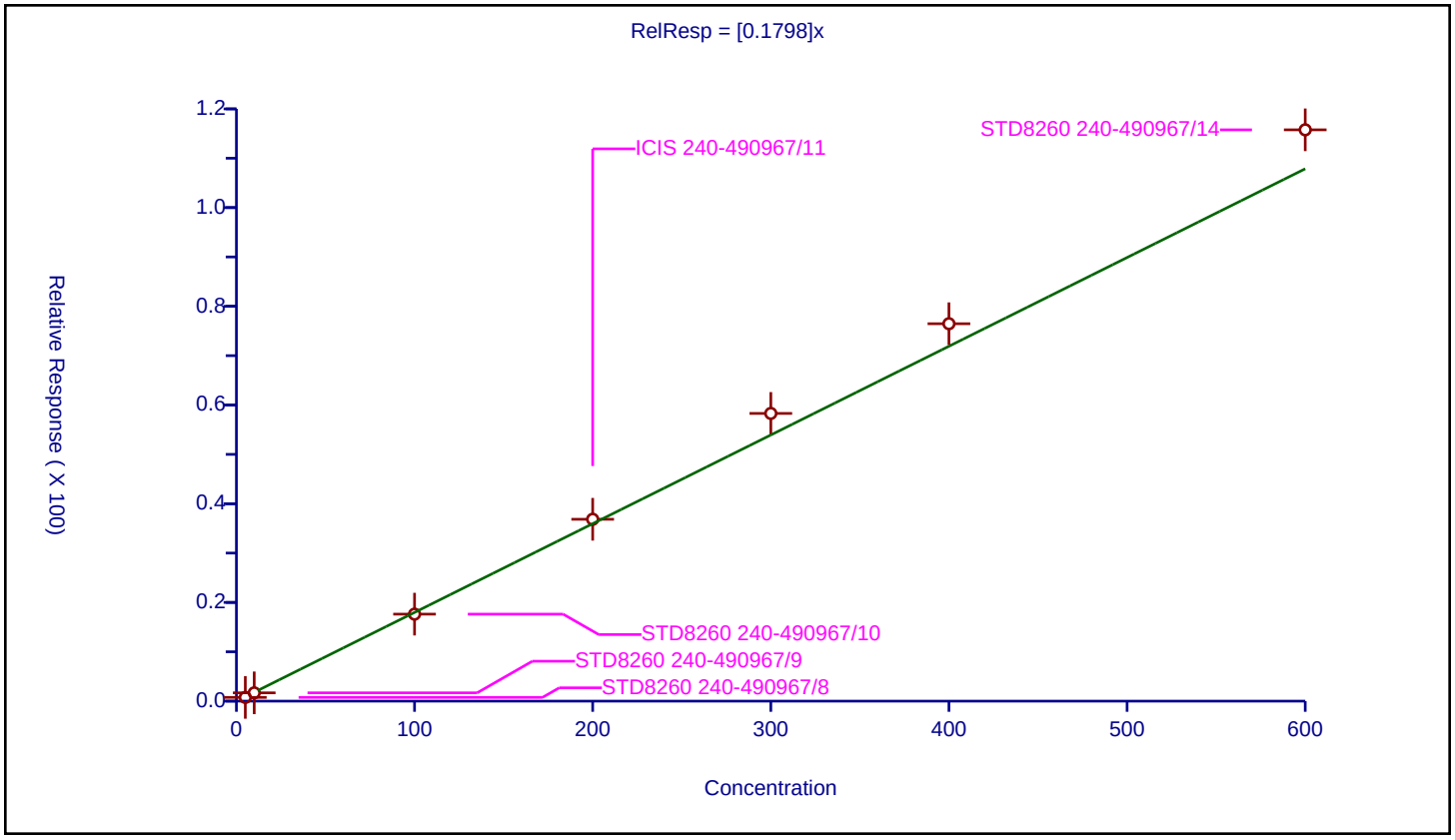
Curve Coefficients

Intercept:	0
Slope:	0.1798

Error Coefficients

Standard Error:	2550000
Relative Standard Error:	8.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	5.0	0.757814	20.0	903124.0	0.151563	Y
2	STD8260 240-490967/9	10.0	1.678514	20.0	827017.0	0.167851	Y
3	STD8260 240-490967/10	100.0	17.629856	20.0	825857.0	0.176299	Y
4	ICIS 240-490967/11	200.0	36.848392	20.0	808438.0	0.184242	Y
5	STD8260 240-490967/12	300.0	58.293879	20.0	809204.0	0.194313	Y
6	STD8260 240-490967/13	400.0	76.473601	20.0	805700.0	0.191184	Y
7	STD8260 240-490967/14	600.0	115.759077	20.0	798298.0	0.192932	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

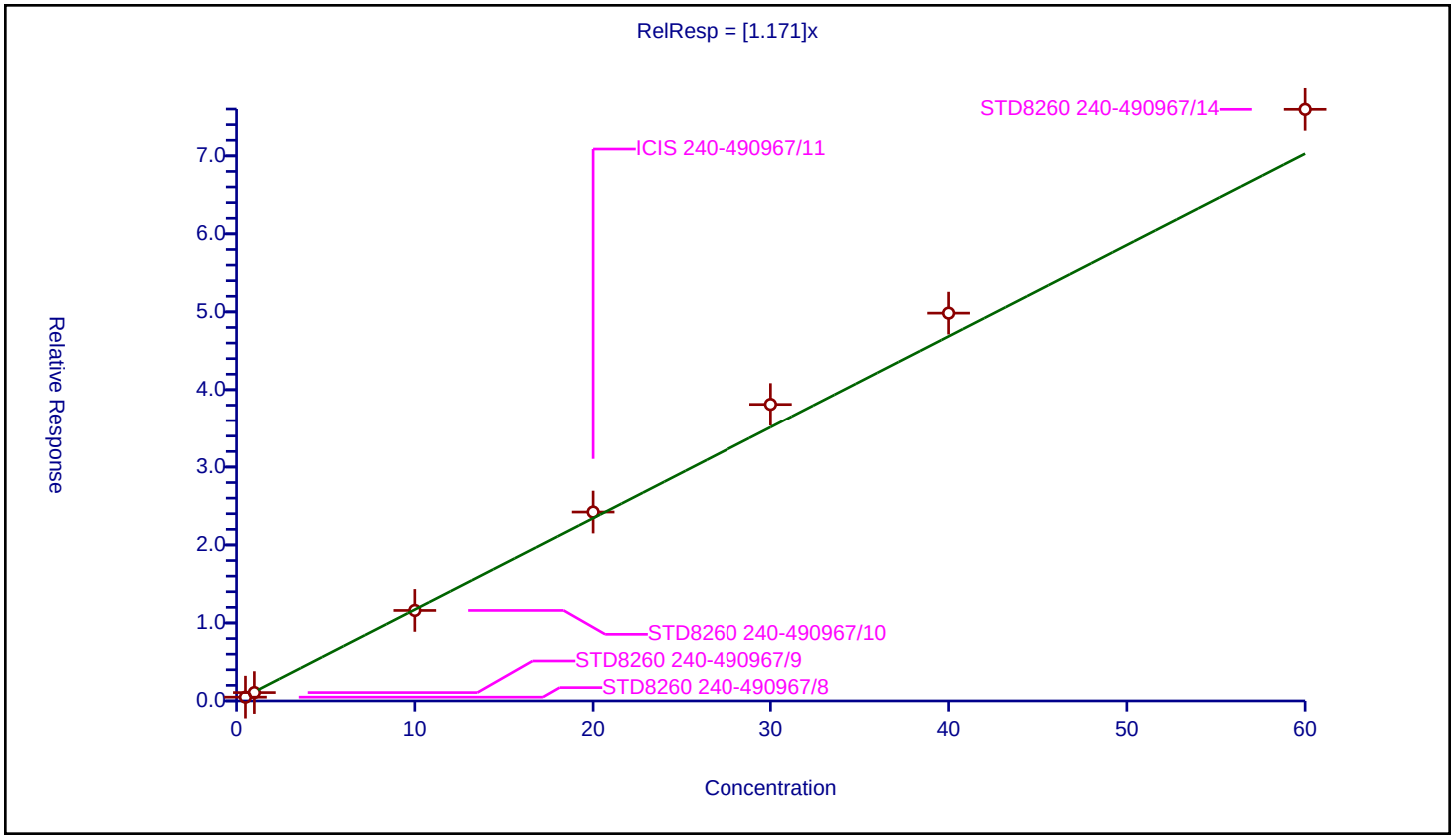
Curve Coefficients

Intercept:	0
Slope:	1.171

Error Coefficients

Standard Error:	1670000
Relative Standard Error:	9.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.486157	20.0	903124.0	0.972314	Y
2	STD8260 240-490967/9	1.0	1.073666	20.0	827017.0	1.073666	Y
3	STD8260 240-490967/10	10.0	11.605786	20.0	825857.0	1.160579	Y
4	ICIS 240-490967/11	20.0	24.215982	20.0	808438.0	1.210799	Y
5	STD8260 240-490967/12	30.0	38.103667	20.0	809204.0	1.270122	Y
6	STD8260 240-490967/13	40.0	49.839494	20.0	805700.0	1.245987	Y
7	STD8260 240-490967/14	60.0	75.964064	20.0	798298.0	1.266068	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

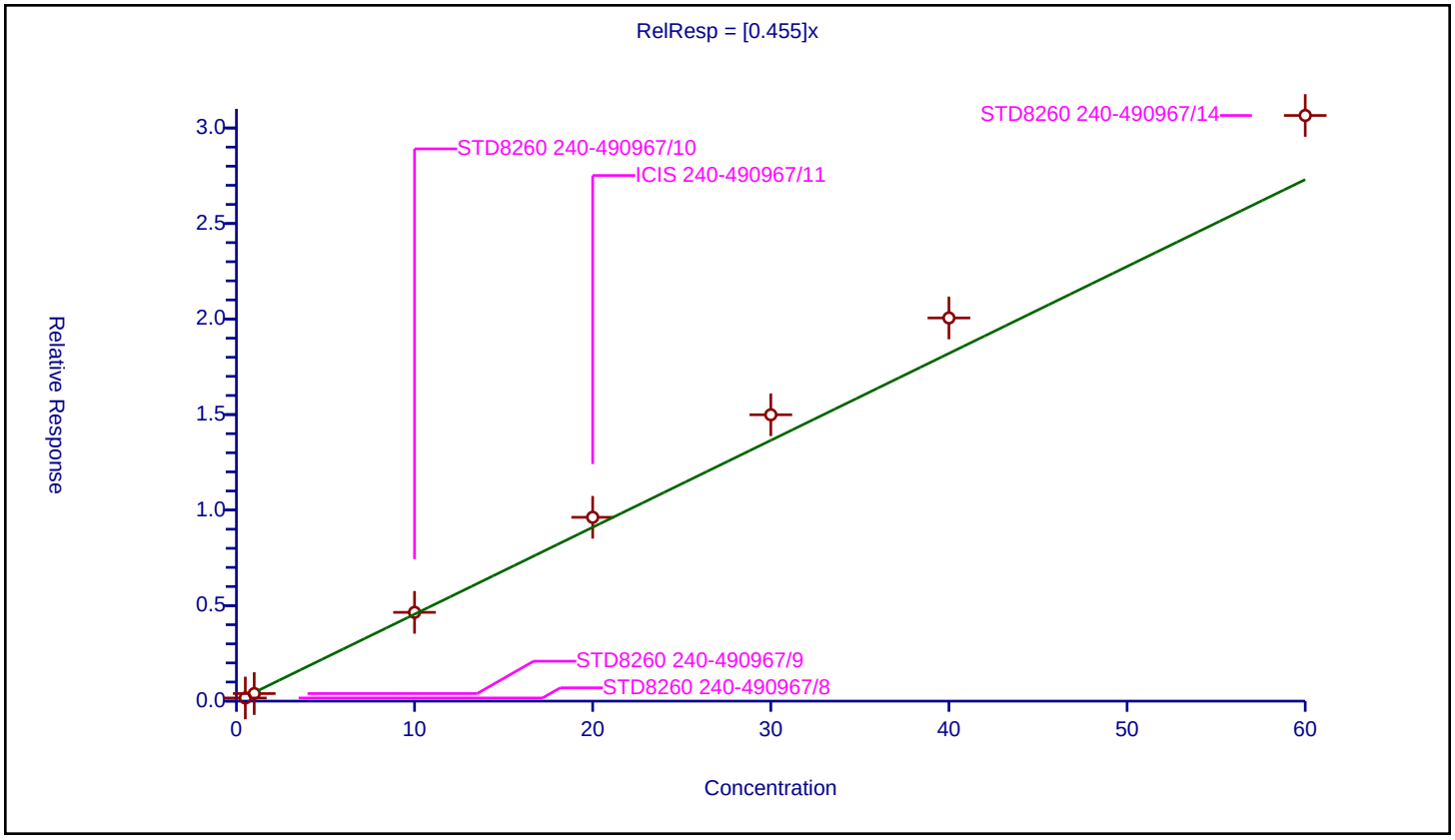
Curve Coefficients

Intercept:	0
Slope:	0.455

Error Coefficients

Standard Error:	672000
Relative Standard Error:	14.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.165692	20.0	903124.0	0.331383	Y
2	STD8260 240-490967/9	1.0	0.396002	20.0	827017.0	0.396002	Y
3	STD8260 240-490967/10	10.0	4.646785	20.0	825857.0	0.464679	Y
4	ICIS 240-490967/11	20.0	9.622729	20.0	808438.0	0.481136	Y
5	STD8260 240-490967/12	30.0	14.990386	20.0	809204.0	0.49968	Y
6	STD8260 240-490967/13	40.0	20.057614	20.0	805700.0	0.50144	Y
7	STD8260 240-490967/14	60.0	30.655094	20.0	798298.0	0.510918	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

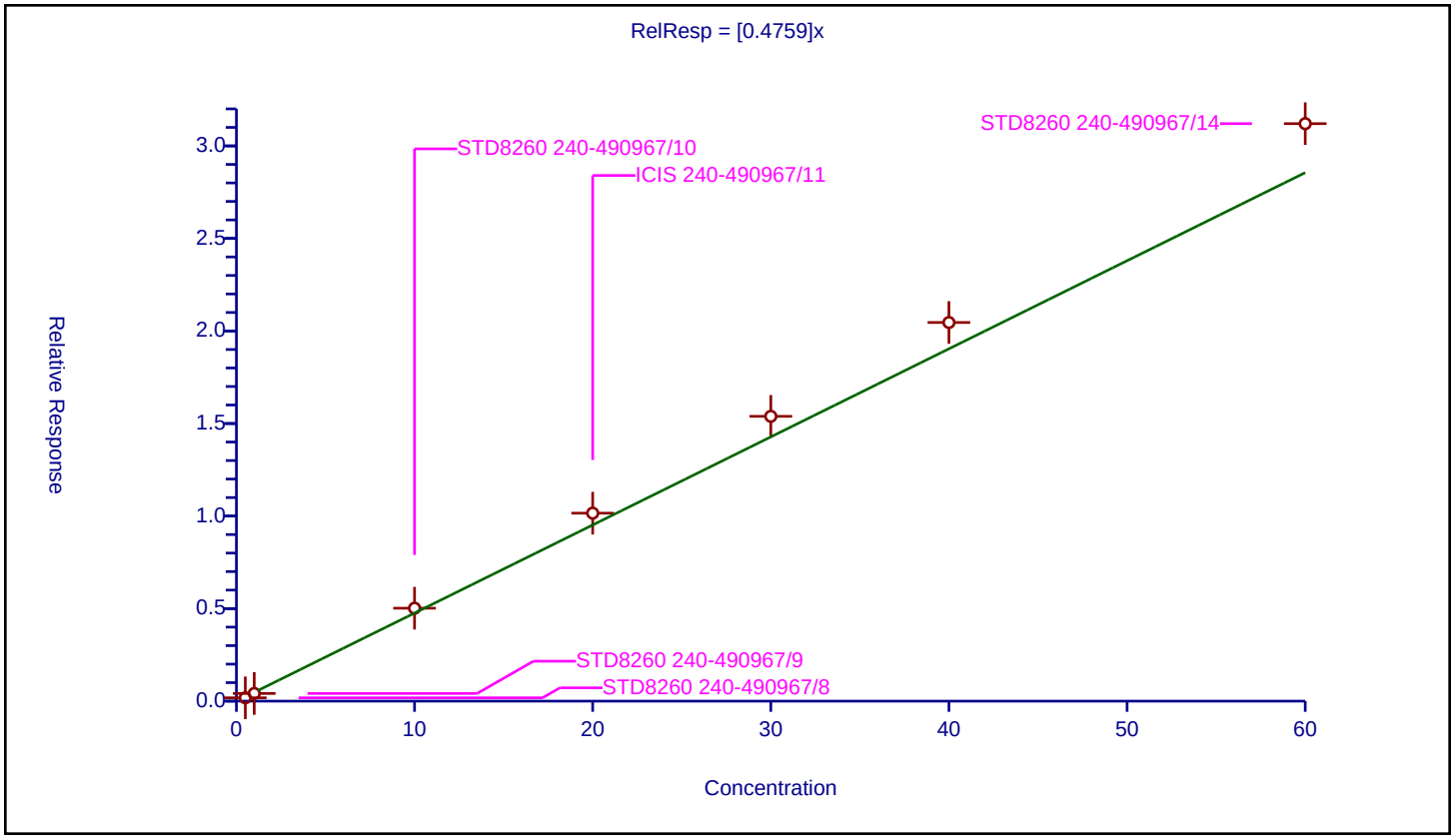
Curve Coefficients

Intercept:	0
Slope:	0.4759

Error Coefficients

Standard Error:	687000
Relative Standard Error:	13.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.180905	20.0	903124.0	0.361811	Y
2	STD8260 240-490967/9	1.0	0.415179	20.0	827017.0	0.415179	Y
3	STD8260 240-490967/10	10.0	5.021378	20.0	825857.0	0.502138	Y
4	ICIS 240-490967/11	20.0	10.15645	20.0	808438.0	0.507822	Y
5	STD8260 240-490967/12	30.0	15.38942	20.0	809204.0	0.512981	Y
6	STD8260 240-490967/13	40.0	20.458707	20.0	805700.0	0.511468	Y
7	STD8260 240-490967/14	60.0	31.202333	20.0	798298.0	0.520039	Y



Calibration / 1,1-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

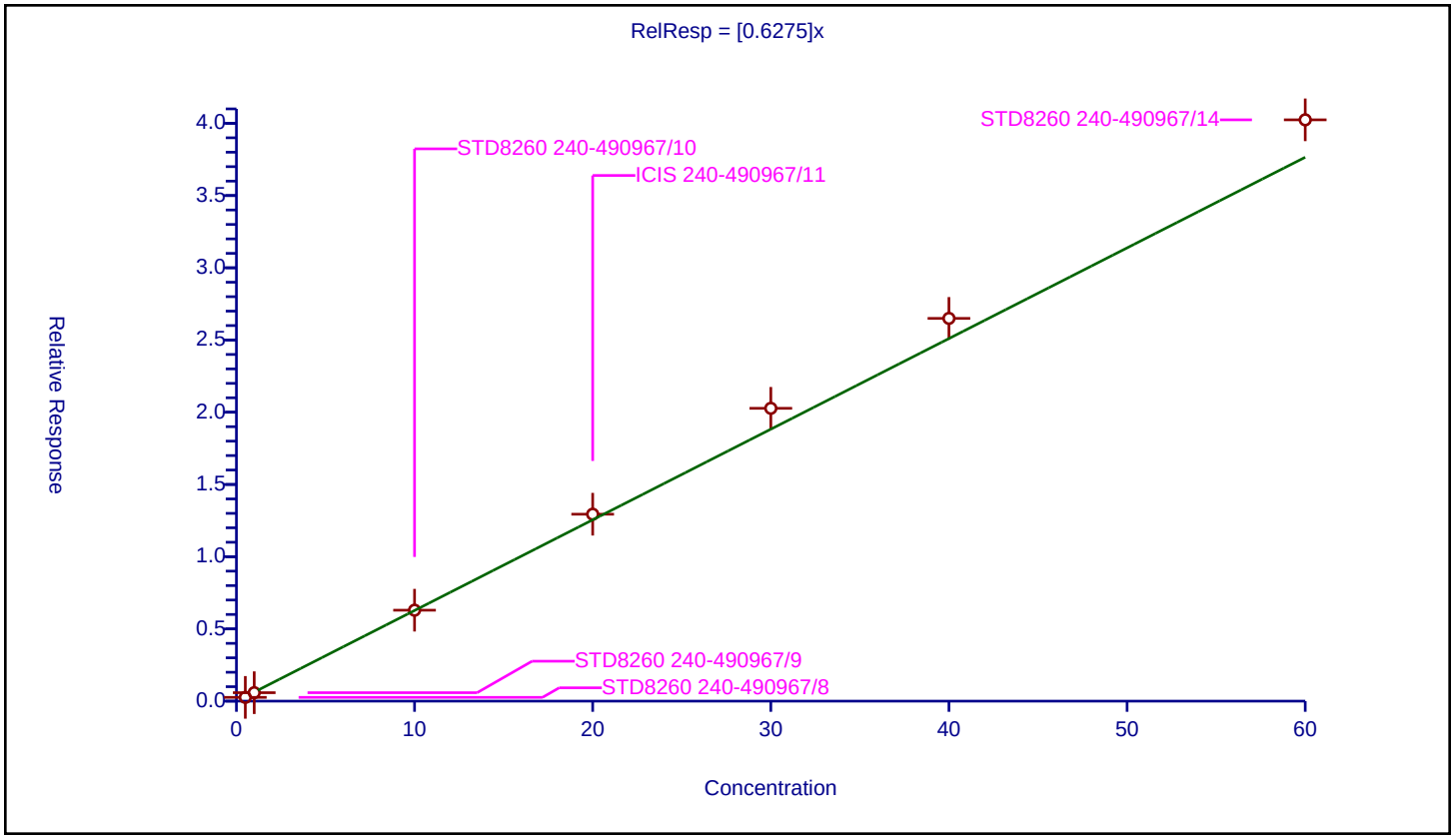
Curve Coefficients

Intercept:	0
Slope:	0.6275

Error Coefficients

Standard Error:	888000
Relative Standard Error:	8.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.260762	20.0	903124.0	0.521523	Y
2	STD8260 240-490967/9	1.0	0.585889	20.0	827017.0	0.585889	Y
3	STD8260 240-490967/10	10.0	6.295133	20.0	825857.0	0.629513	Y
4	ICIS 240-490967/11	20.0	12.940931	20.0	808438.0	0.647047	Y
5	STD8260 240-490967/12	30.0	20.271155	20.0	809204.0	0.675705	Y
6	STD8260 240-490967/13	40.0	26.496661	20.0	805700.0	0.662417	Y
7	STD8260 240-490967/14	60.0	40.241714	20.0	798298.0	0.670695	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

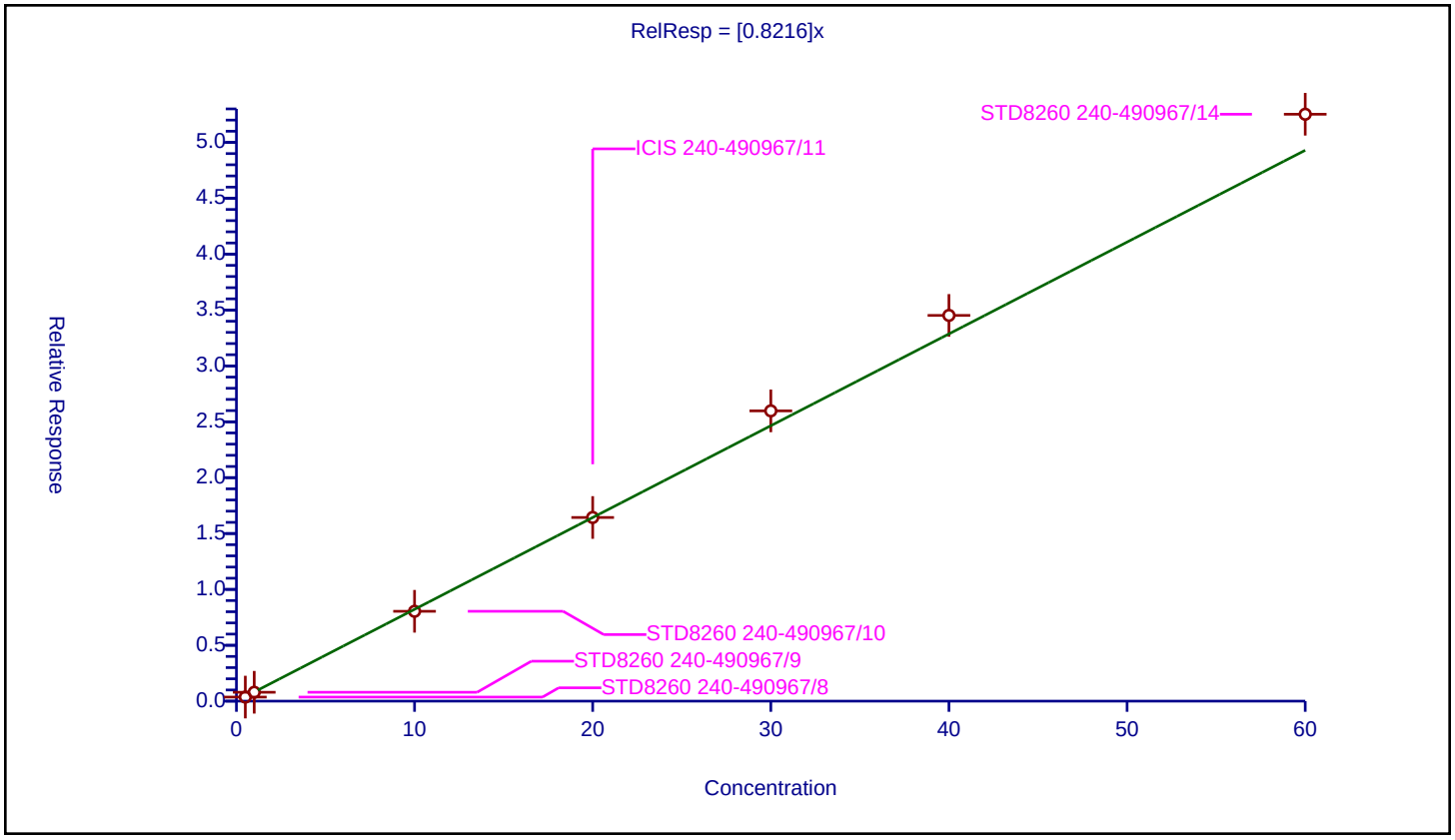
Curve Coefficients

Intercept:	0
Slope:	0.8216

Error Coefficients

Standard Error:	1150000
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 240-490967/8	0.5	0.363494	20.0	903124.0	0.726988	Y
2	STD8260 240-490967/9	1.0	0.794325	20.0	827017.0	0.794325	Y
3	STD8260 240-490967/10	10.0	8.039624	20.0	825857.0	0.803962	Y
4	ICIS 240-490967/11	20.0	16.435645	20.0	808438.0	0.821782	Y
5	STD8260 240-490967/12	30.0	25.976935	20.0	809204.0	0.865898	Y
6	STD8260 240-490967/13	40.0	34.519474	20.0	805700.0	0.862987	Y
7	STD8260 240-490967/14	60.0	52.521715	20.0	798298.0	0.875362	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

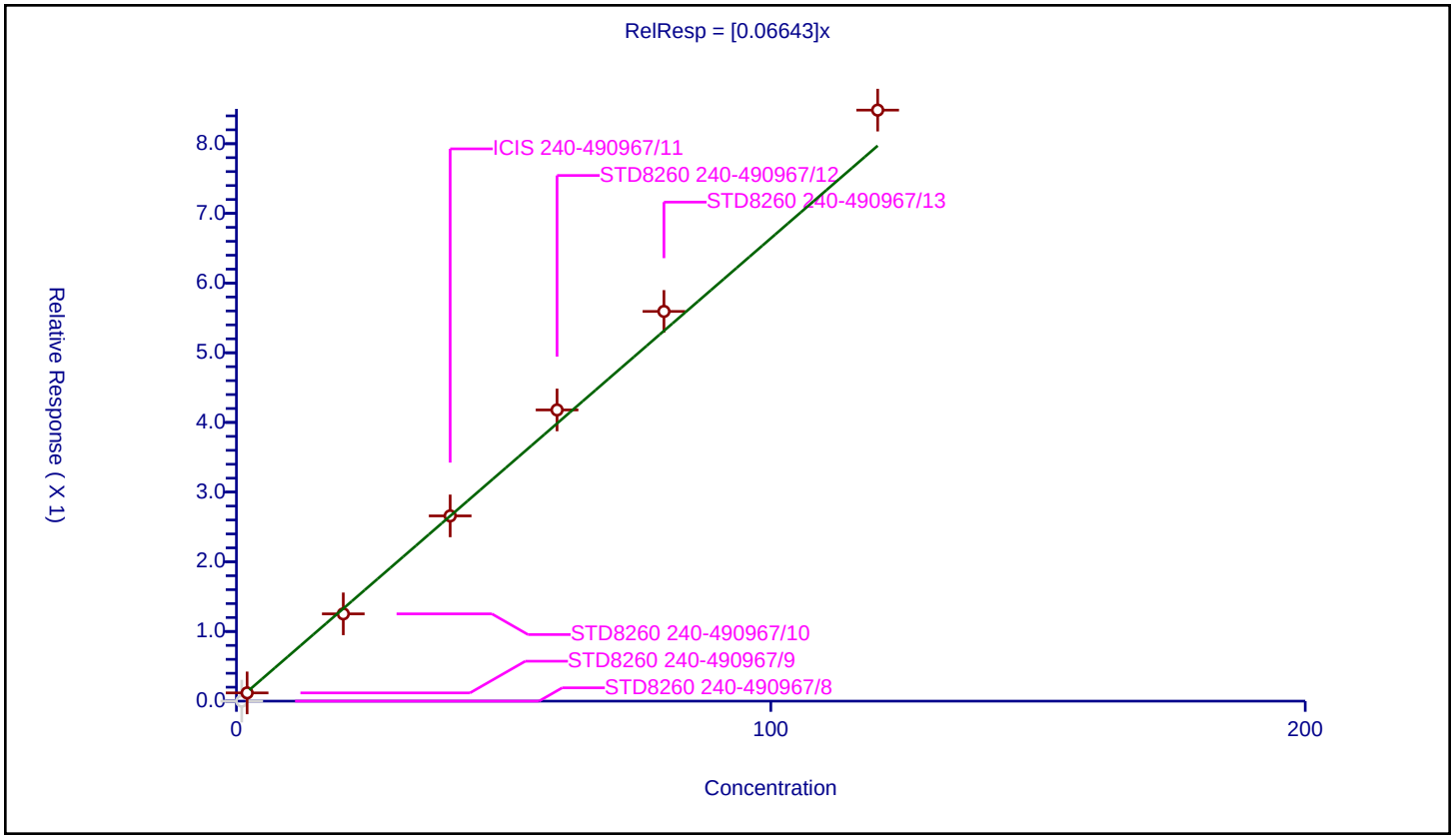
Curve Coefficients

Intercept:	0
Slope:	0.06643

Error Coefficients

Standard Error:	204000
Relative Standard Error:	7.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	1.0	0.0	20.0	903124.0	0.0	N
2	STD8260 240-490967/9	2.0	0.118377	20.0	827017.0	0.059189	Y
3	STD8260 240-490967/10	20.0	1.252905	20.0	825857.0	0.062645	Y
4	ICIS 240-490967/11	40.0	2.658905	20.0	808438.0	0.066473	Y
5	STD8260 240-490967/12	60.0	4.179366	20.0	809204.0	0.069656	Y
6	STD8260 240-490967/13	80.0	5.593397	20.0	805700.0	0.069917	Y
7	STD8260 240-490967/14	120.0	8.482497	20.0	798298.0	0.070687	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

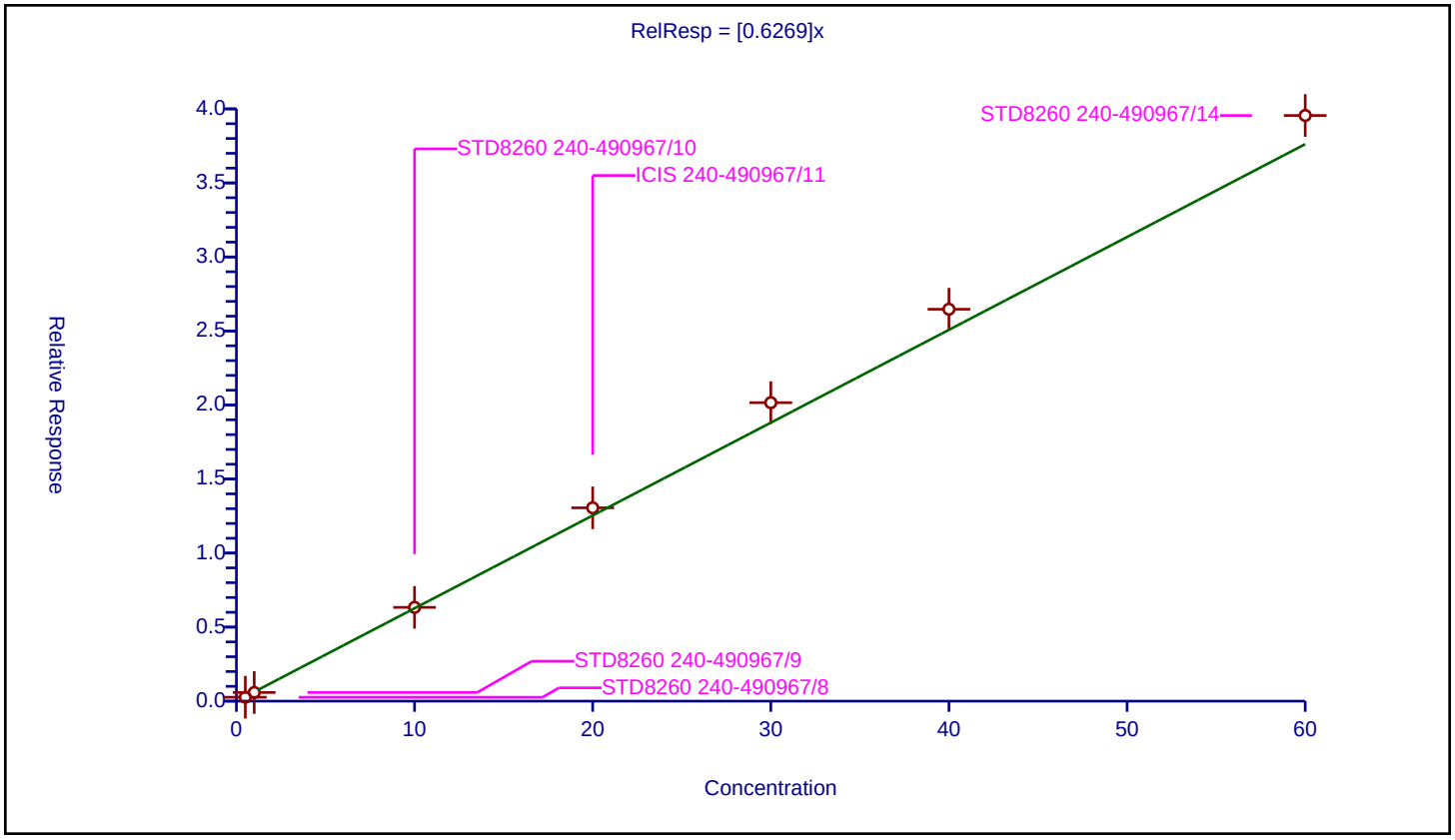
Curve Coefficients

Intercept:	0
Slope:	0.6269

Error Coefficients

Standard Error:	880000
Relative Standard Error:	8.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.263175	20.0	903124.0	0.526351	Y
2	STD8260 240-490967/9	1.0	0.58318	20.0	827017.0	0.58318	Y
3	STD8260 240-490967/10	10.0	6.332961	20.0	825857.0	0.633296	Y
4	ICIS 240-490967/11	20.0	13.056338	20.0	808438.0	0.652817	Y
5	STD8260 240-490967/12	30.0	20.158328	20.0	809204.0	0.671944	Y
6	STD8260 240-490967/13	40.0	26.468512	20.0	805700.0	0.661713	Y
7	STD8260 240-490967/14	60.0	39.554602	20.0	798298.0	0.659243	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

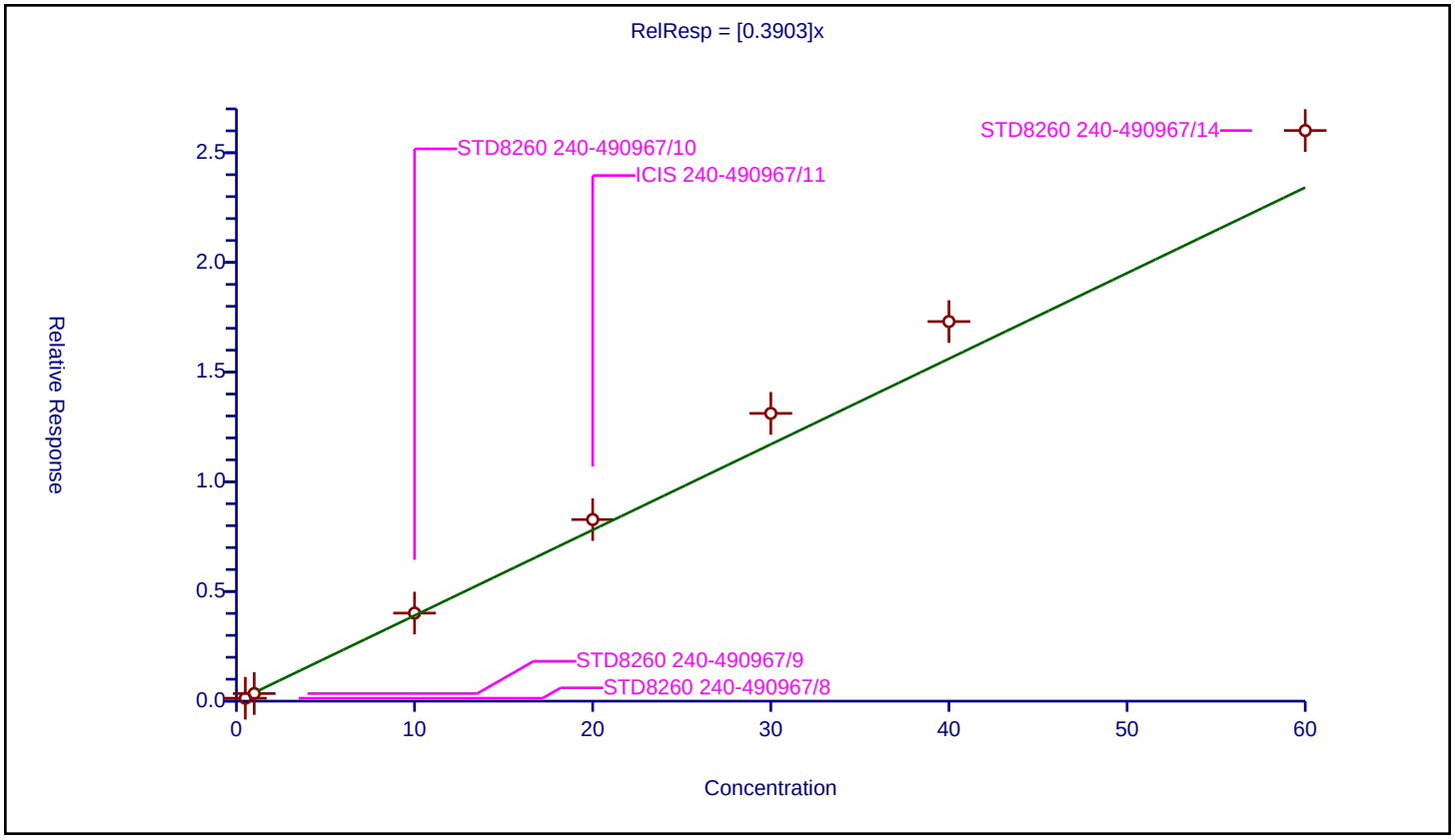
Curve Coefficients

Intercept:	0
Slope:	0.3903

Error Coefficients

Standard Error:	575000
Relative Standard Error:	16.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.133226	20.0	903124.0	0.266453	Y
2	STD8260 240-490967/9	1.0	0.346571	20.0	827017.0	0.346571	Y
3	STD8260 240-490967/10	10.0	4.014811	20.0	825857.0	0.401481	Y
4	ICIS 240-490967/11	20.0	8.278037	20.0	808438.0	0.413902	Y
5	STD8260 240-490967/12	30.0	13.119164	20.0	809204.0	0.437305	Y
6	STD8260 240-490967/13	40.0	17.3052	20.0	805700.0	0.43263	Y
7	STD8260 240-490967/14	60.0	26.013694	20.0	798298.0	0.433562	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

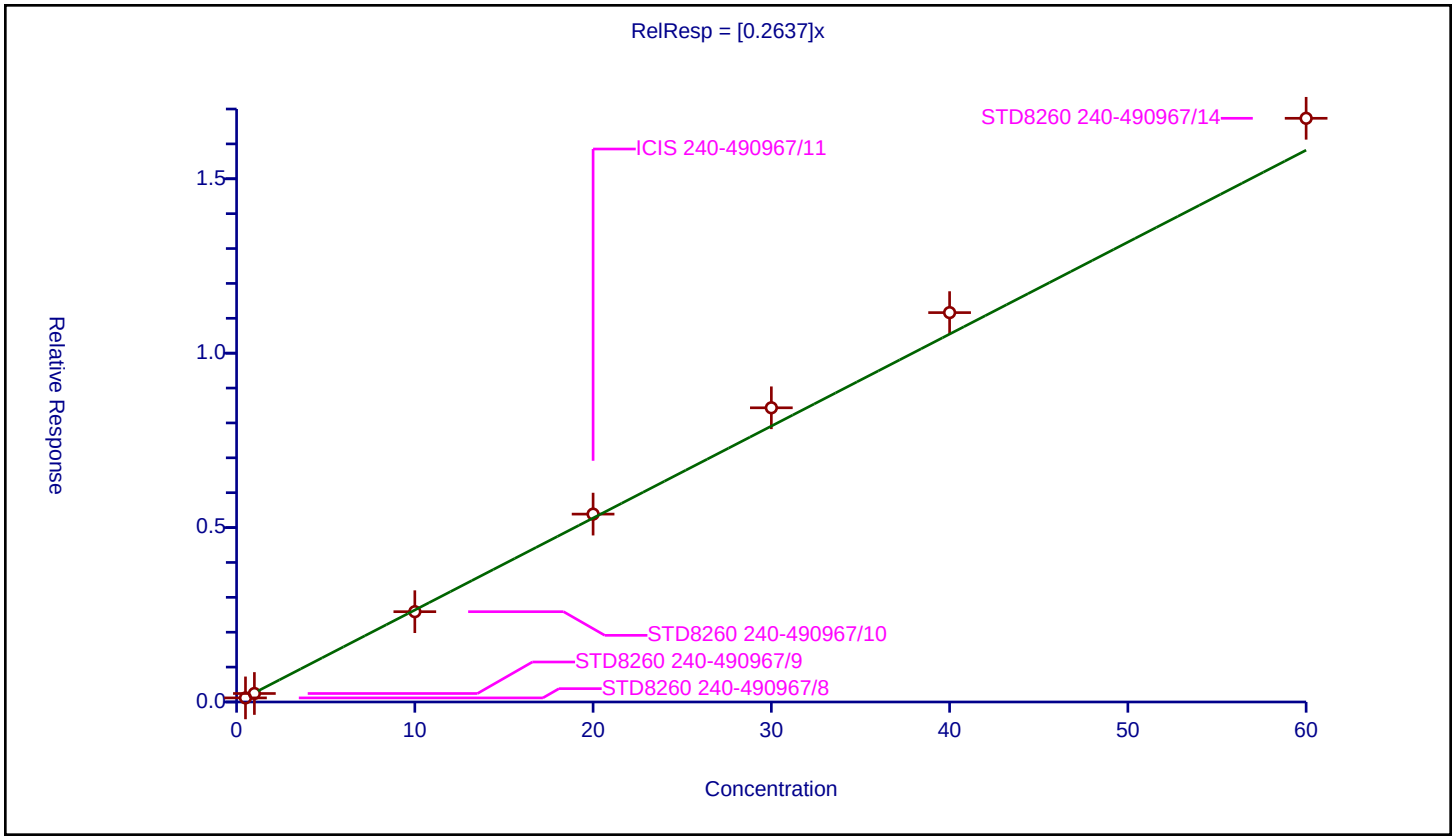
Curve Coefficients

Intercept:	0
Slope:	0.2637

Error Coefficients

Standard Error:	371000
Relative Standard Error:	7.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.11737	20.0	903124.0	0.234741	Y
2	STD8260 240-490967/9	1.0	0.243598	20.0	827017.0	0.243598	Y
3	STD8260 240-490967/10	10.0	2.588826	20.0	825857.0	0.258883	Y
4	ICIS 240-490967/11	20.0	5.386437	20.0	808438.0	0.269322	Y
5	STD8260 240-490967/12	30.0	8.43456	20.0	809204.0	0.281152	Y
6	STD8260 240-490967/13	40.0	11.163311	20.0	805700.0	0.279083	Y
7	STD8260 240-490967/14	60.0	16.733701	20.0	798298.0	0.278895	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

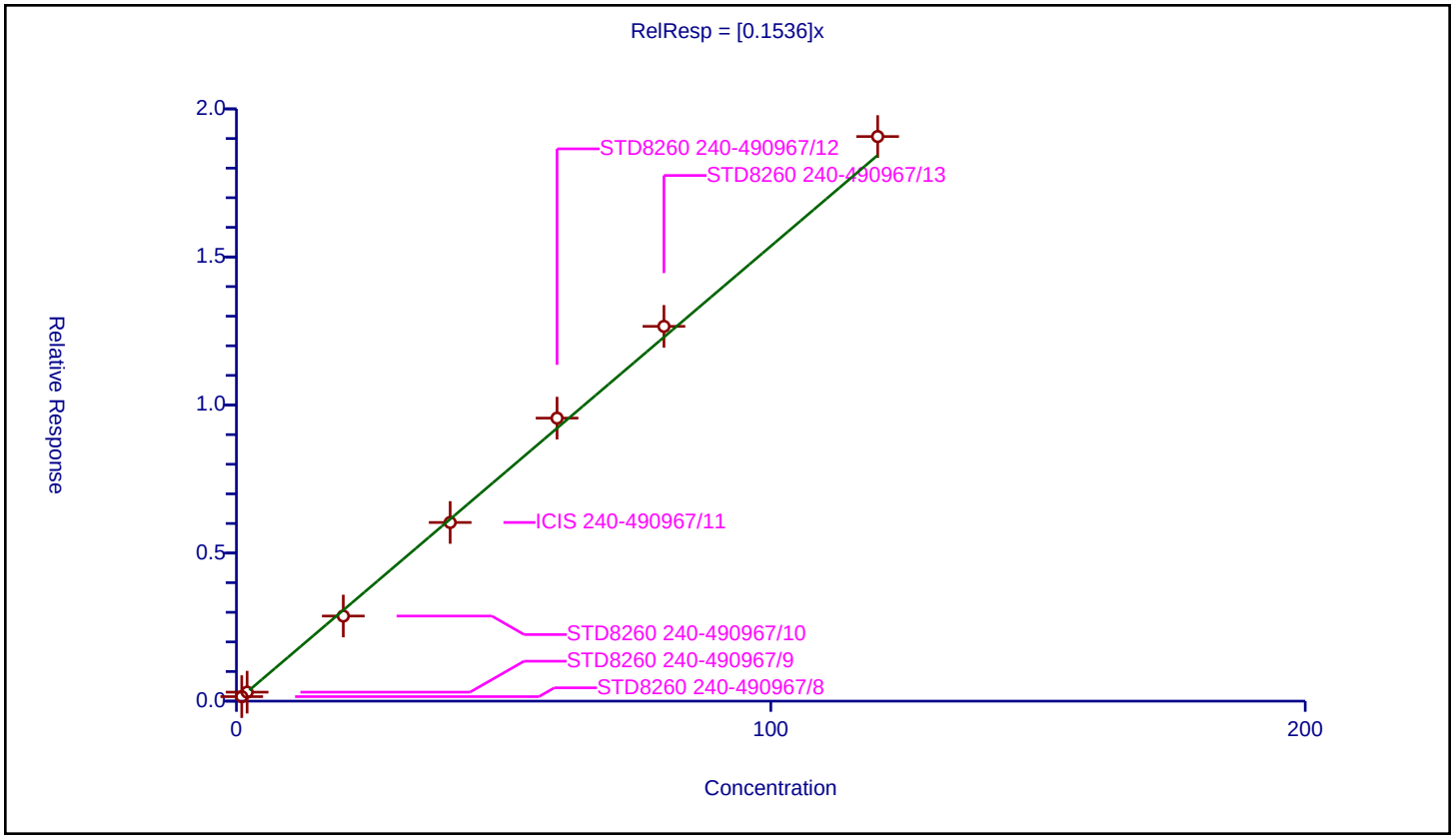
Curve Coefficients

Intercept:	0
Slope:	0.1536

Error Coefficients

Standard Error:	421000
Relative Standard Error:	3.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	1.0	0.152825	20.0	903124.0	0.152825	Y
2	STD8260 240-490967/9	2.0	0.303525	20.0	827017.0	0.151762	Y
3	STD8260 240-490967/10	20.0	2.873694	20.0	825857.0	0.143685	Y
4	ICIS 240-490967/11	40.0	6.03366	20.0	808438.0	0.150841	Y
5	STD8260 240-490967/12	60.0	9.557269	20.0	809204.0	0.159288	Y
6	STD8260 240-490967/13	80.0	12.656547	20.0	805700.0	0.158207	Y
7	STD8260 240-490967/14	120.0	19.066439	20.0	798298.0	0.158887	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

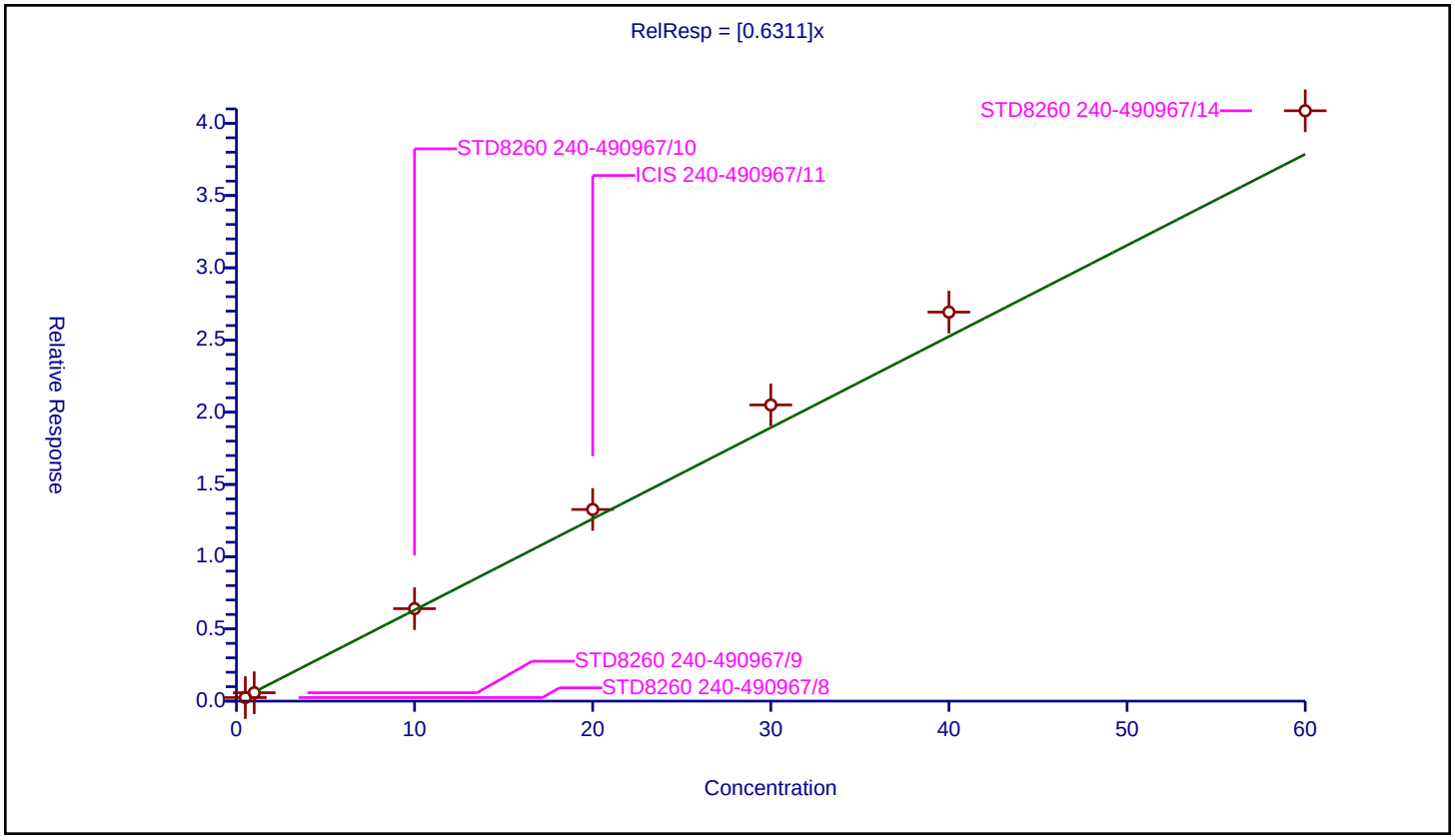
Curve Coefficients

Intercept:	0
Slope:	0.6311

Error Coefficients

Standard Error:	902000
Relative Standard Error:	11.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.247142	20.0	903124.0	0.494284	Y
2	STD8260 240-490967/9	1.0	0.581971	20.0	827017.0	0.581971	Y
3	STD8260 240-490967/10	10.0	6.400261	20.0	825857.0	0.640026	Y
4	ICIS 240-490967/11	20.0	13.268451	20.0	808438.0	0.663423	Y
5	STD8260 240-490967/12	30.0	20.50672	20.0	809204.0	0.683557	Y
6	STD8260 240-490967/13	40.0	26.931091	20.0	805700.0	0.673277	Y
7	STD8260 240-490967/14	60.0	40.870853	20.0	798298.0	0.681181	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

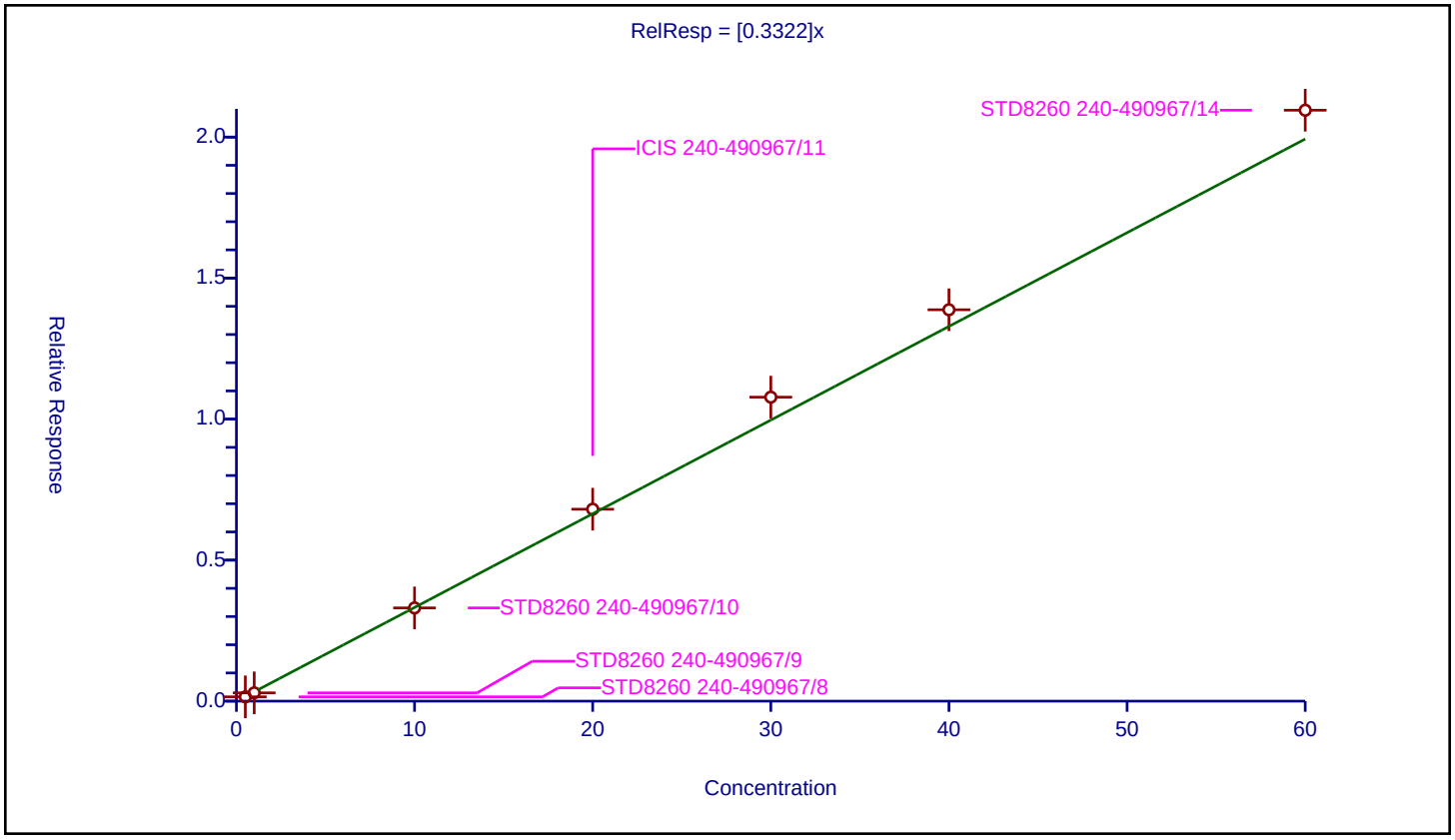
Curve Coefficients

Intercept:	0
Slope:	0.3322

Error Coefficients

Standard Error:	465000
Relative Standard Error:	7.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.152426	20.0	903124.0	0.304853	Y
2	STD8260 240-490967/9	1.0	0.294141	20.0	827017.0	0.294141	Y
3	STD8260 240-490967/10	10.0	3.306238	20.0	825857.0	0.330624	Y
4	ICIS 240-490967/11	20.0	6.805667	20.0	808438.0	0.340283	Y
5	STD8260 240-490967/12	30.0	10.778815	20.0	809204.0	0.359294	Y
6	STD8260 240-490967/13	40.0	13.877796	20.0	805700.0	0.346945	Y
7	STD8260 240-490967/14	60.0	20.952677	20.0	798298.0	0.349211	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

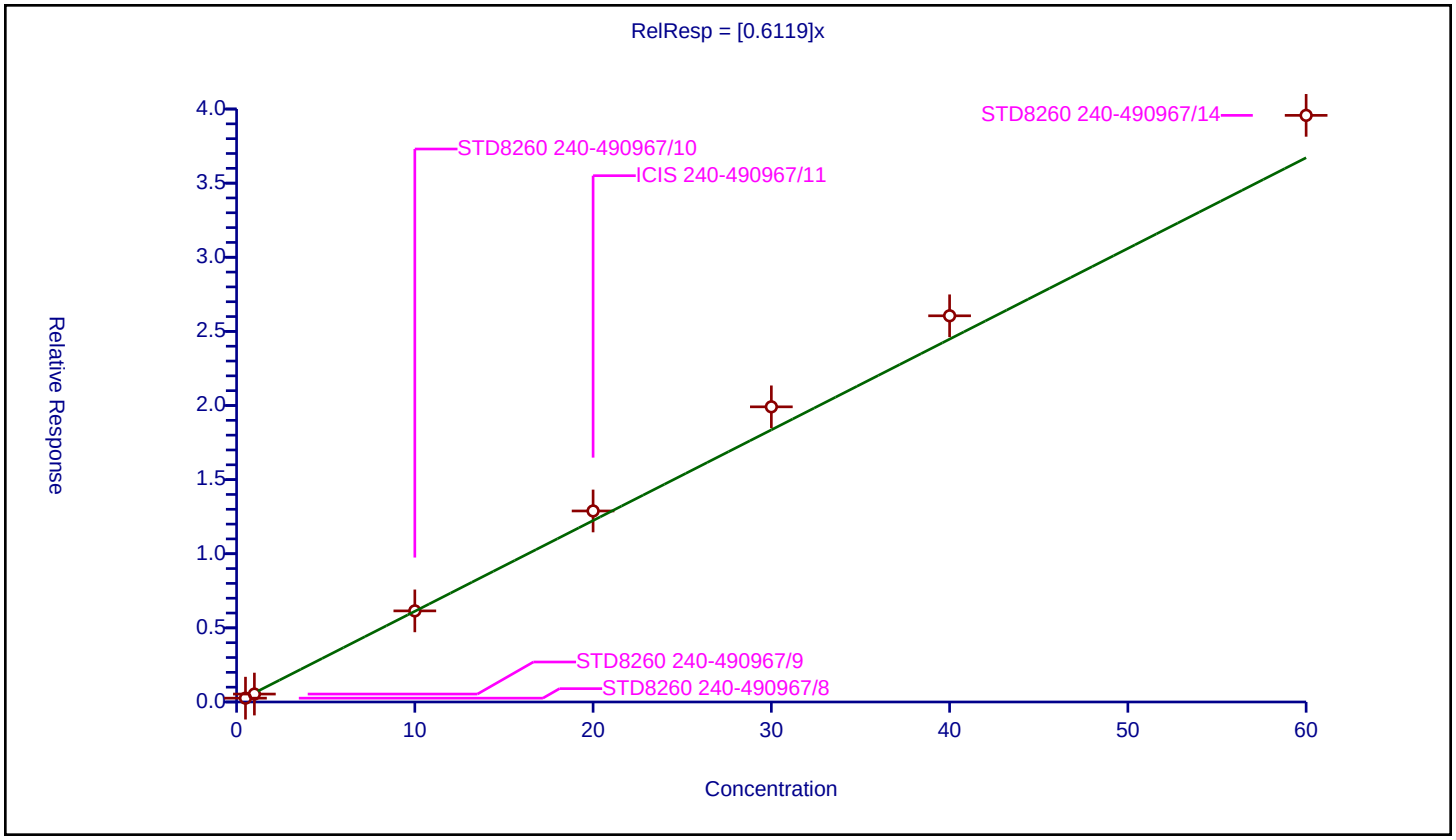
Curve Coefficients

Intercept:	0
Slope:	0.6119

Error Coefficients

Standard Error:	874000
Relative Standard Error:	10.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.257661	20.0	903124.0	0.515322	Y
2	STD8260 240-490967/9	1.0	0.534499	20.0	827017.0	0.534499	Y
3	STD8260 240-490967/10	10.0	6.146173	20.0	825857.0	0.614617	Y
4	ICIS 240-490967/11	20.0	12.88554	20.0	808438.0	0.644277	Y
5	STD8260 240-490967/12	30.0	19.910826	20.0	809204.0	0.663694	Y
6	STD8260 240-490967/13	40.0	26.052501	20.0	805700.0	0.651313	Y
7	STD8260 240-490967/14	60.0	39.571238	20.0	798298.0	0.659521	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

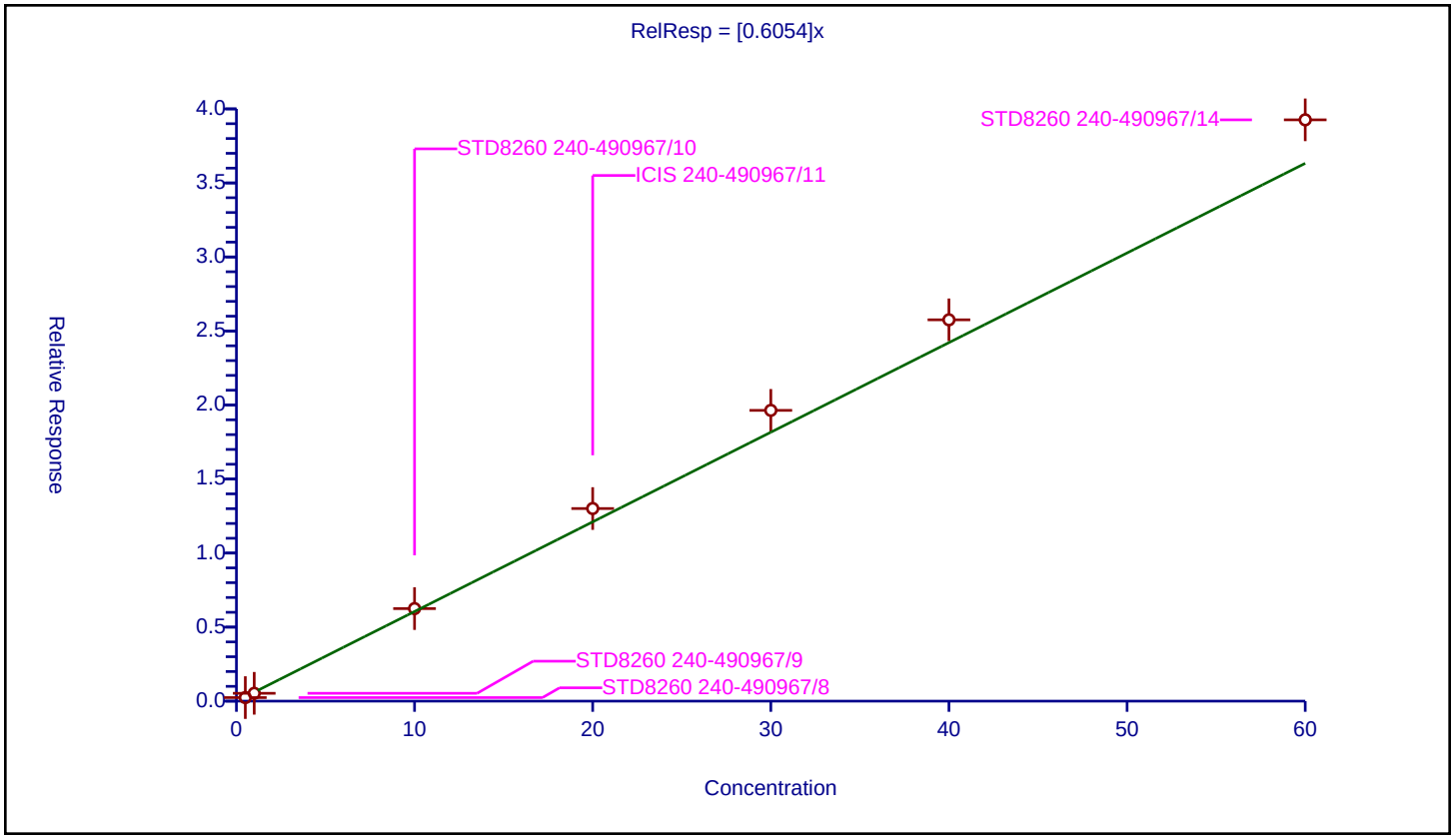
Curve Coefficients

Intercept:	0
Slope:	0.6054

Error Coefficients

Standard Error:	867000
Relative Standard Error:	11.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.239834	20.0	903124.0	0.479668	Y
2	STD8260 240-490967/9	1.0	0.529638	20.0	827017.0	0.529638	Y
3	STD8260 240-490967/10	10.0	6.250501	20.0	825857.0	0.62505	Y
4	ICIS 240-490967/11	20.0	13.008344	20.0	808438.0	0.650417	Y
5	STD8260 240-490967/12	30.0	19.639572	20.0	809204.0	0.654652	Y
6	STD8260 240-490967/13	40.0	25.754152	20.0	805700.0	0.643854	Y
7	STD8260 240-490967/14	60.0	39.261454	20.0	798298.0	0.654358	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

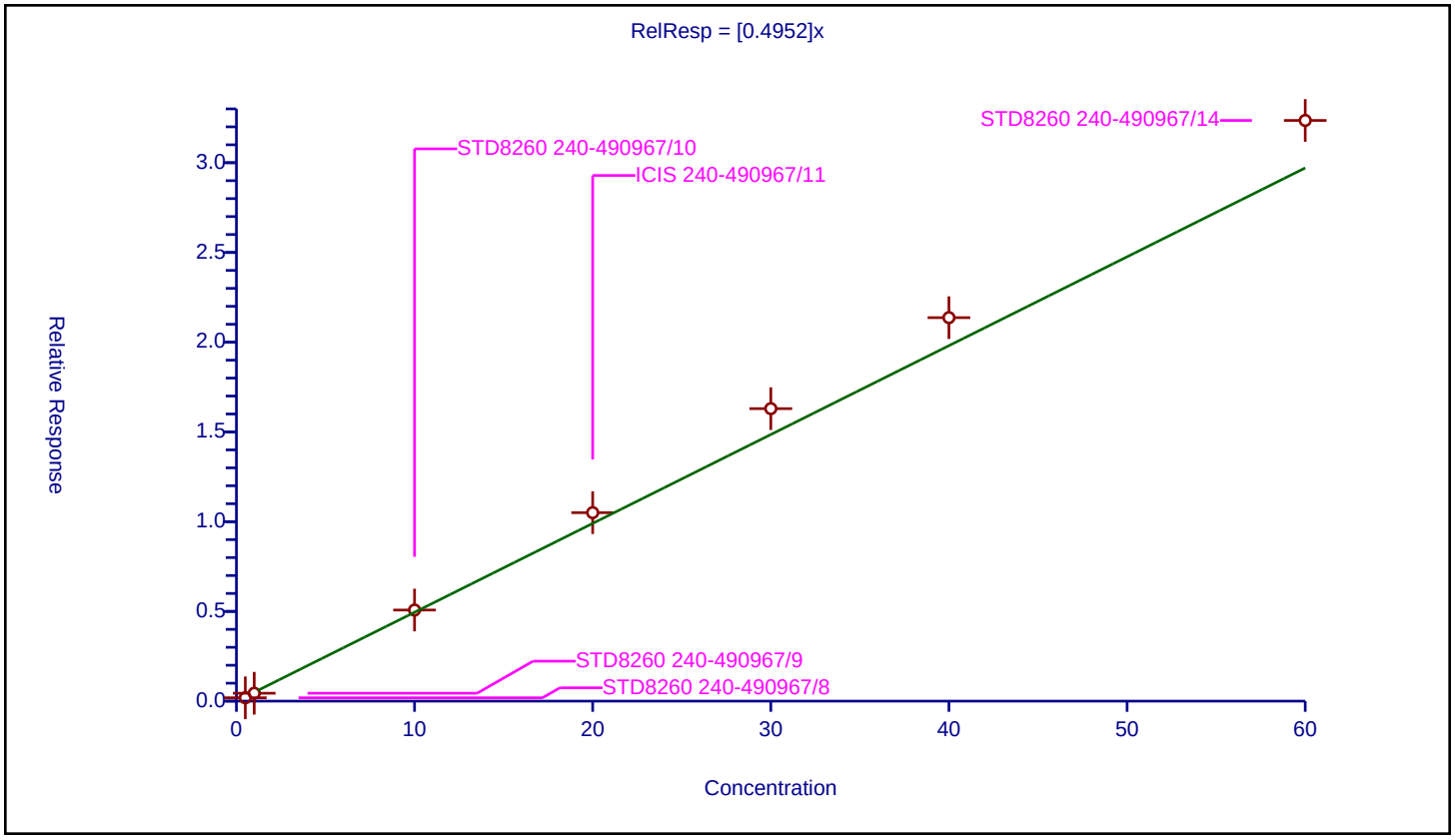
Curve Coefficients

Intercept:	0
Slope:	0.4952

Error Coefficients

Standard Error:	715000
Relative Standard Error:	12.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.188169	20.0	903124.0	0.376338	Y
2	STD8260 240-490967/9	1.0	0.440426	20.0	827017.0	0.440426	Y
3	STD8260 240-490967/10	10.0	5.076181	20.0	825857.0	0.507618	Y
4	ICIS 240-490967/11	20.0	10.501312	20.0	808438.0	0.525066	Y
5	STD8260 240-490967/12	30.0	16.298832	20.0	809204.0	0.543294	Y
6	STD8260 240-490967/13	40.0	21.368028	20.0	805700.0	0.534201	Y
7	STD8260 240-490967/14	60.0	32.355386	20.0	798298.0	0.539256	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

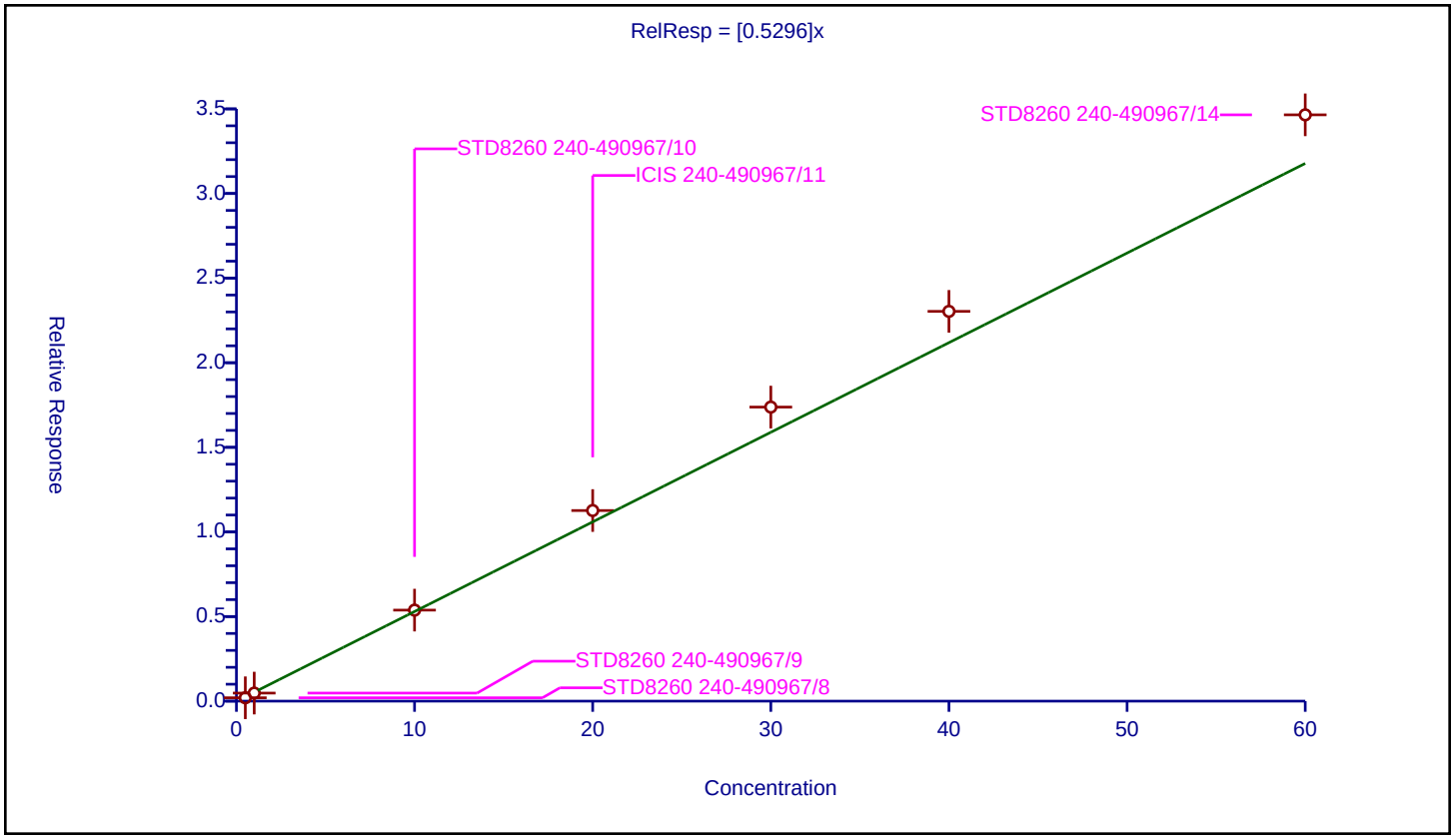
Curve Coefficients

Intercept:	0
Slope:	0.5296

Error Coefficients

Standard Error:	767000
Relative Standard Error:	13.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.198533	20.0	903124.0	0.397066	Y
2	STD8260 240-490967/9	1.0	0.476532	20.0	827017.0	0.476532	Y
3	STD8260 240-490967/10	10.0	5.378534	20.0	825857.0	0.537853	Y
4	ICIS 240-490967/11	20.0	11.264389	20.0	808438.0	0.563219	Y
5	STD8260 240-490967/12	30.0	17.378313	20.0	809204.0	0.579277	Y
6	STD8260 240-490967/13	40.0	23.034355	20.0	805700.0	0.575859	Y
7	STD8260 240-490967/14	60.0	34.649442	20.0	798298.0	0.577491	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

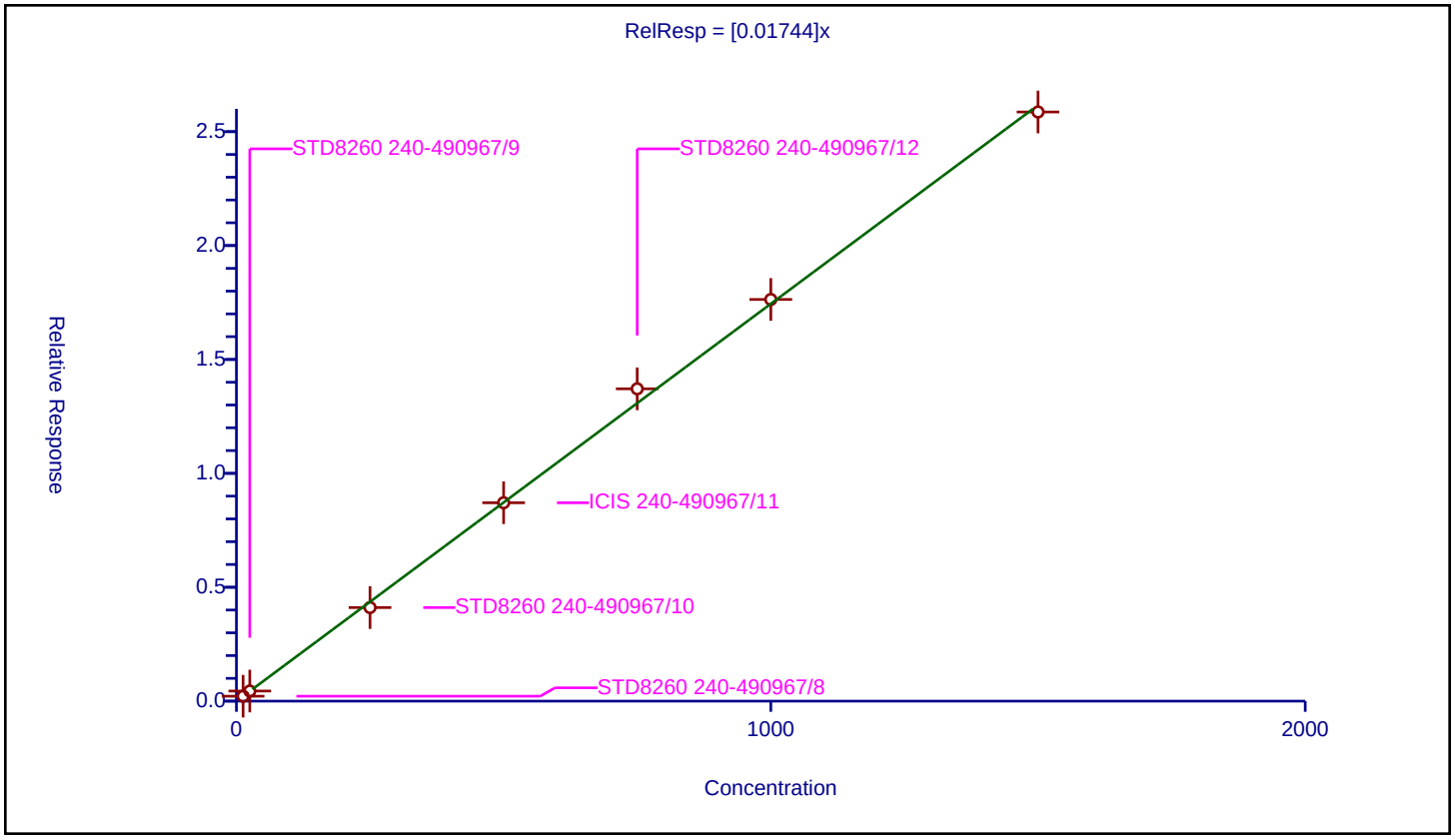
Curve Coefficients

Intercept:	0
Slope:	0.01744

Error Coefficients

Standard Error:	582000
Relative Standard Error:	3.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	12.5	0.21667	20.0	903124.0	0.017334	Y
2	STD8260 240-490967/9	25.0	0.443909	20.0	827017.0	0.017756	Y
3	STD8260 240-490967/10	250.0	4.108459	20.0	825857.0	0.016434	Y
4	ICIS 240-490967/11	500.0	8.708596	20.0	808438.0	0.017417	Y
5	STD8260 240-490967/12	750.0	13.711524	20.0	809204.0	0.018282	Y
6	STD8260 240-490967/13	1000.0	17.633859	20.0	805700.0	0.017634	Y
7	STD8260 240-490967/14	1500.0	25.864502	20.0	798298.0	0.017243	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

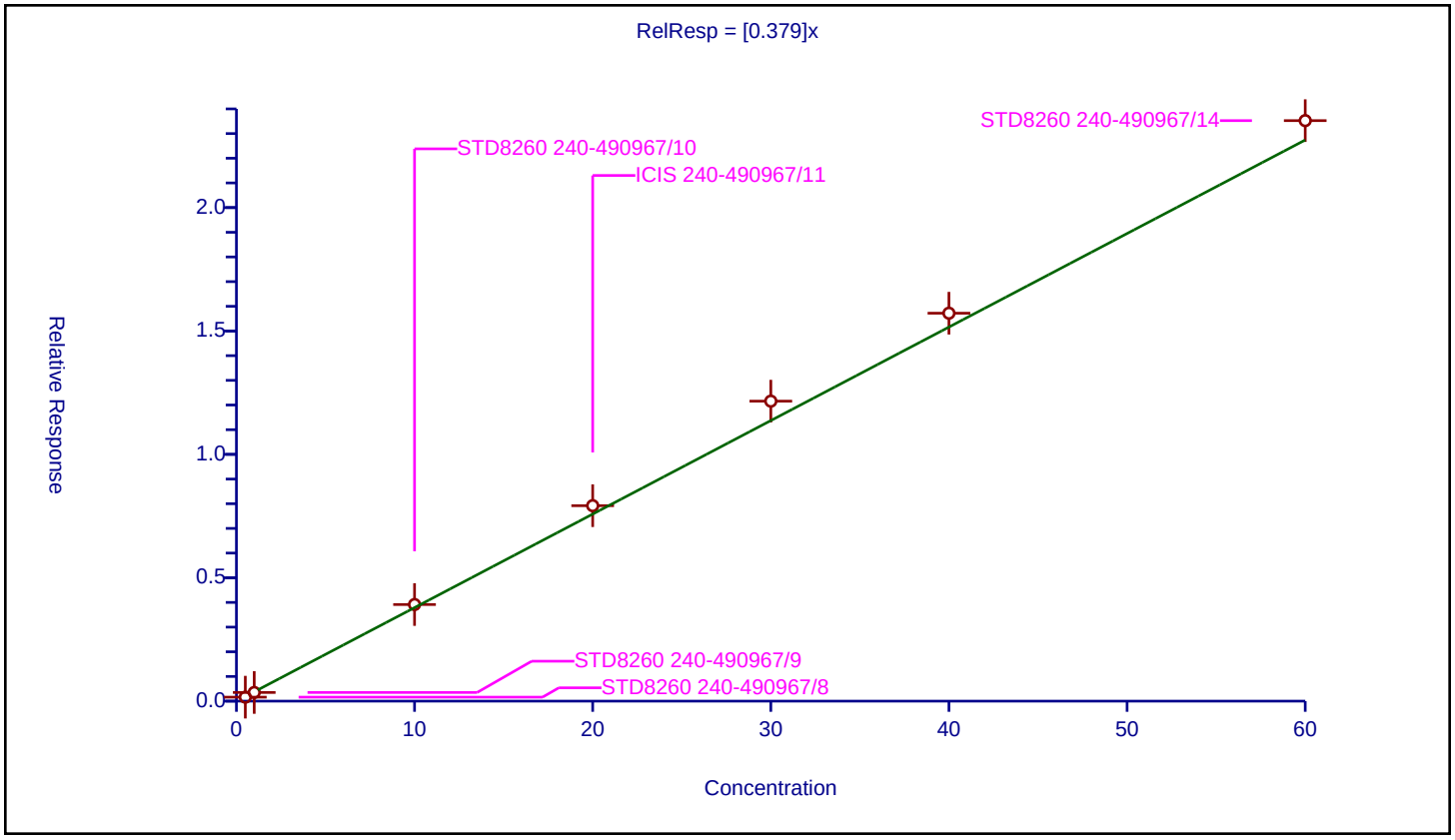
Curve Coefficients

Intercept:	0
Slope:	0.379

Error Coefficients

Standard Error:	525000
Relative Standard Error:	7.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.161728	20.0	903124.0	0.323455	Y
2	STD8260 240-490967/9	1.0	0.351553	20.0	827017.0	0.351553	Y
3	STD8260 240-490967/10	10.0	3.915036	20.0	825857.0	0.391504	Y
4	ICIS 240-490967/11	20.0	7.920682	20.0	808438.0	0.396034	Y
5	STD8260 240-490967/12	30.0	12.157157	20.0	809204.0	0.405239	Y
6	STD8260 240-490967/13	40.0	15.720293	20.0	805700.0	0.393007	Y
7	STD8260 240-490967/14	60.0	23.524398	20.0	798298.0	0.392073	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

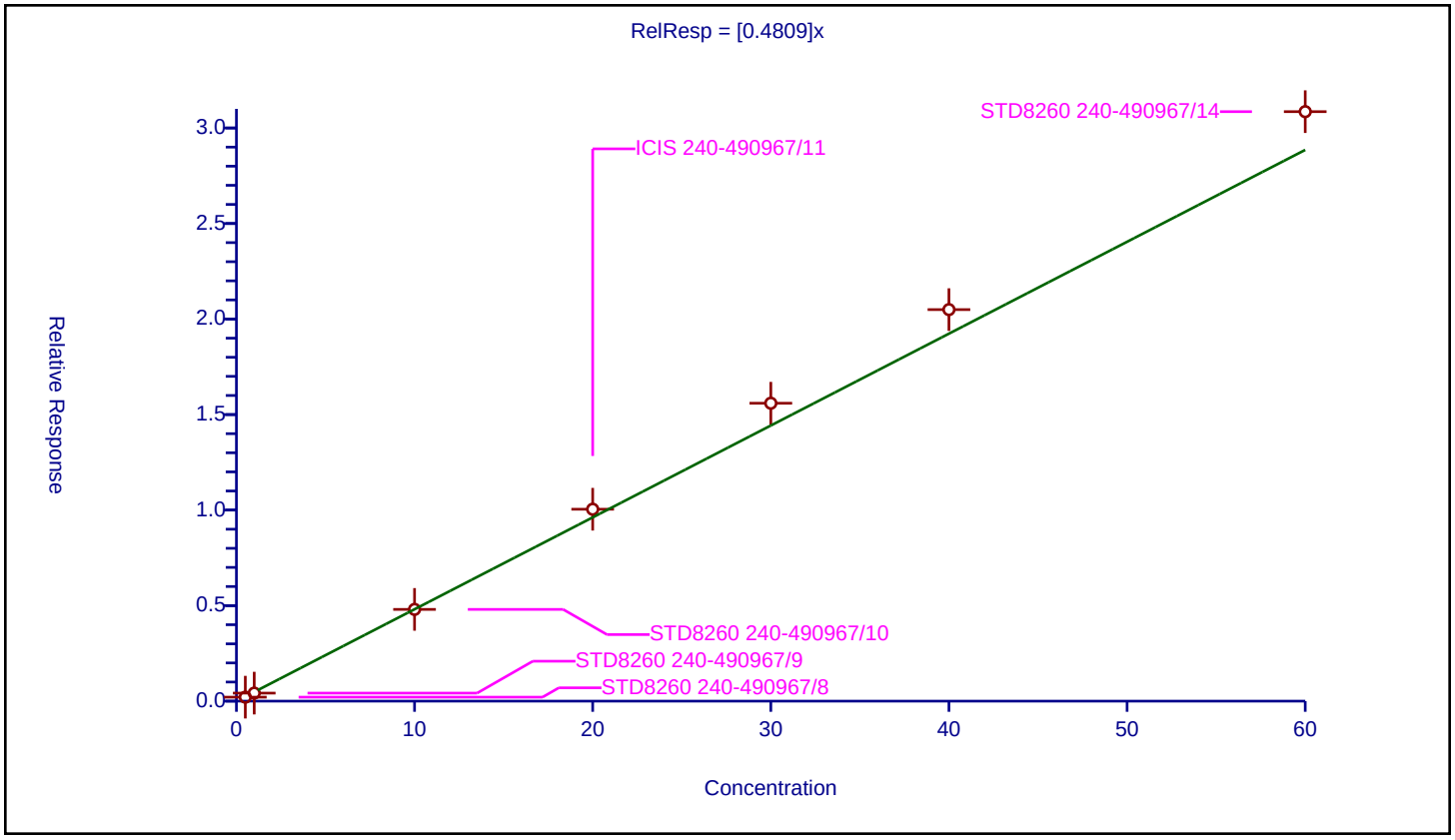
Curve Coefficients

Intercept:	0
Slope:	0.4809

Error Coefficients

Standard Error:	683000
Relative Standard Error:	9.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.208432	20.0	903124.0	0.416864	Y
2	STD8260 240-490967/9	1.0	0.420523	20.0	827017.0	0.420523	Y
3	STD8260 240-490967/10	10.0	4.801315	20.0	825857.0	0.480132	Y
4	ICIS 240-490967/11	20.0	10.044555	20.0	808438.0	0.502228	Y
5	STD8260 240-490967/12	30.0	15.594214	20.0	809204.0	0.519807	Y
6	STD8260 240-490967/13	40.0	20.493459	20.0	805700.0	0.512336	Y
7	STD8260 240-490967/14	60.0	30.854919	20.0	798298.0	0.514249	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

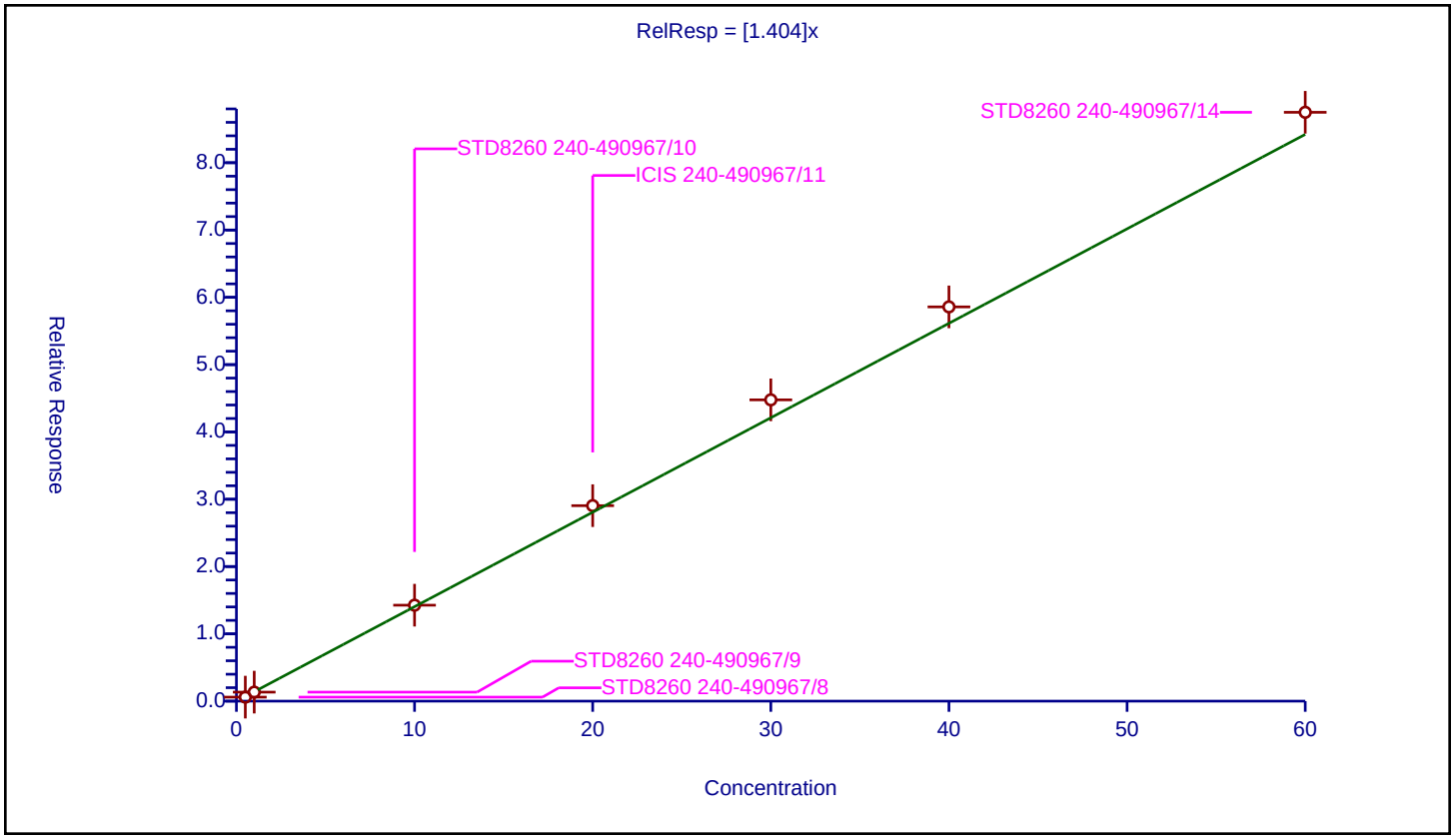
Curve Coefficients

Intercept:	0
Slope:	1.404

Error Coefficients

Standard Error:	1950000
Relative Standard Error:	7.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.596463	20.0	903124.0	1.192926	Y
2	STD8260 240-490967/9	1.0	1.338715	20.0	827017.0	1.338715	Y
3	STD8260 240-490967/10	10.0	14.257432	20.0	825857.0	1.425743	Y
4	ICIS 240-490967/11	20.0	29.044058	20.0	808438.0	1.452203	Y
5	STD8260 240-490967/12	30.0	44.767574	20.0	809204.0	1.492252	Y
6	STD8260 240-490967/13	40.0	58.579769	20.0	805700.0	1.464494	Y
7	STD8260 240-490967/14	60.0	87.49249	20.0	798298.0	1.458208	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

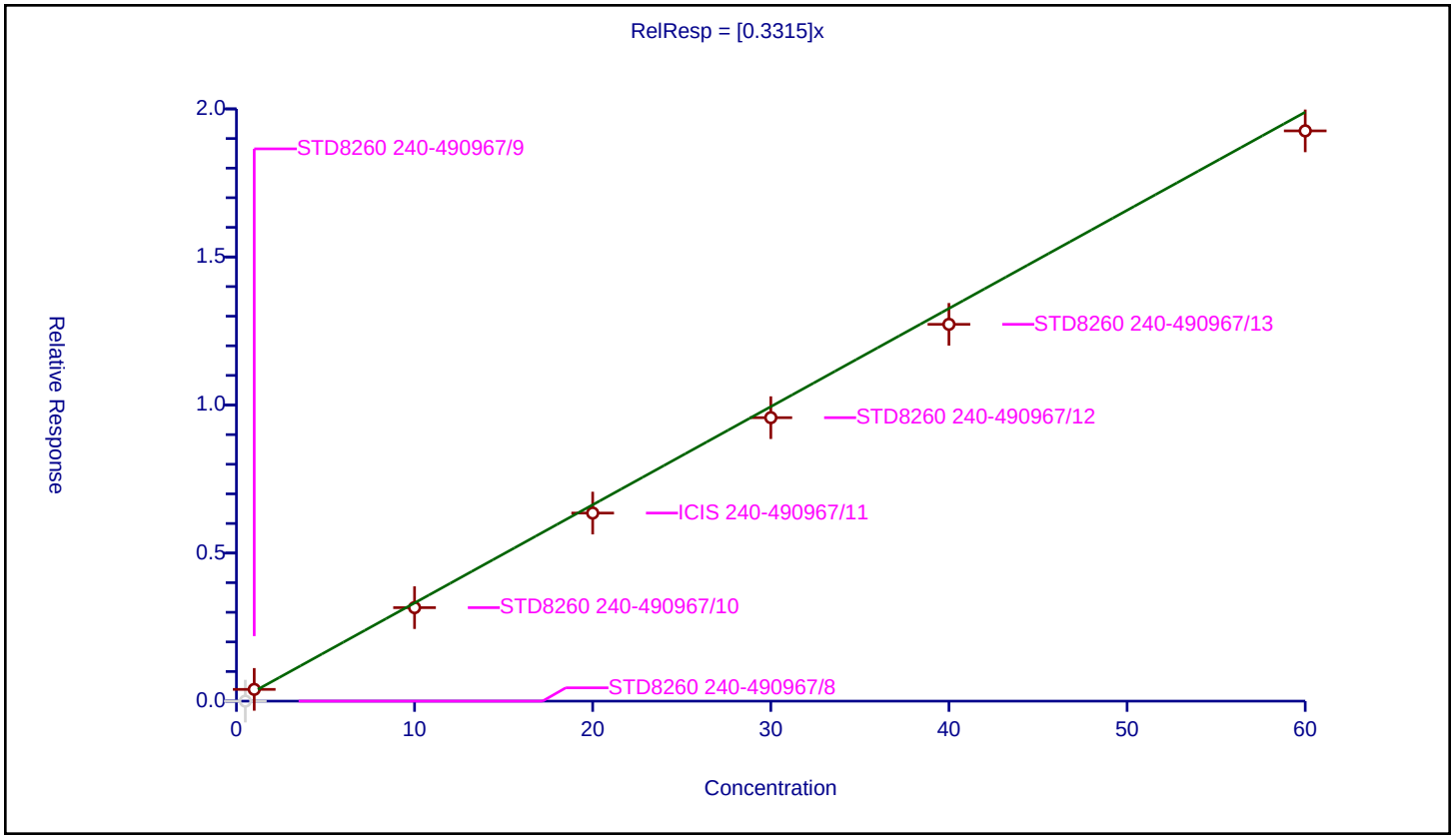
Curve Coefficients

Intercept:	0
Slope:	0.3315

Error Coefficients

Standard Error:	466000
Relative Standard Error:	9.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.0	20.0	903124.0	0.0	N
2	STD8260 240-490967/9	1.0	0.397501	20.0	827017.0	0.397501	Y
3	STD8260 240-490967/10	10.0	3.157835	20.0	825857.0	0.315783	Y
4	ICIS 240-490967/11	20.0	6.351483	20.0	808438.0	0.317574	Y
5	STD8260 240-490967/12	30.0	9.573334	20.0	809204.0	0.319111	Y
6	STD8260 240-490967/13	40.0	12.724364	20.0	805700.0	0.318109	Y
7	STD8260 240-490967/14	60.0	19.257796	20.0	798298.0	0.320963	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

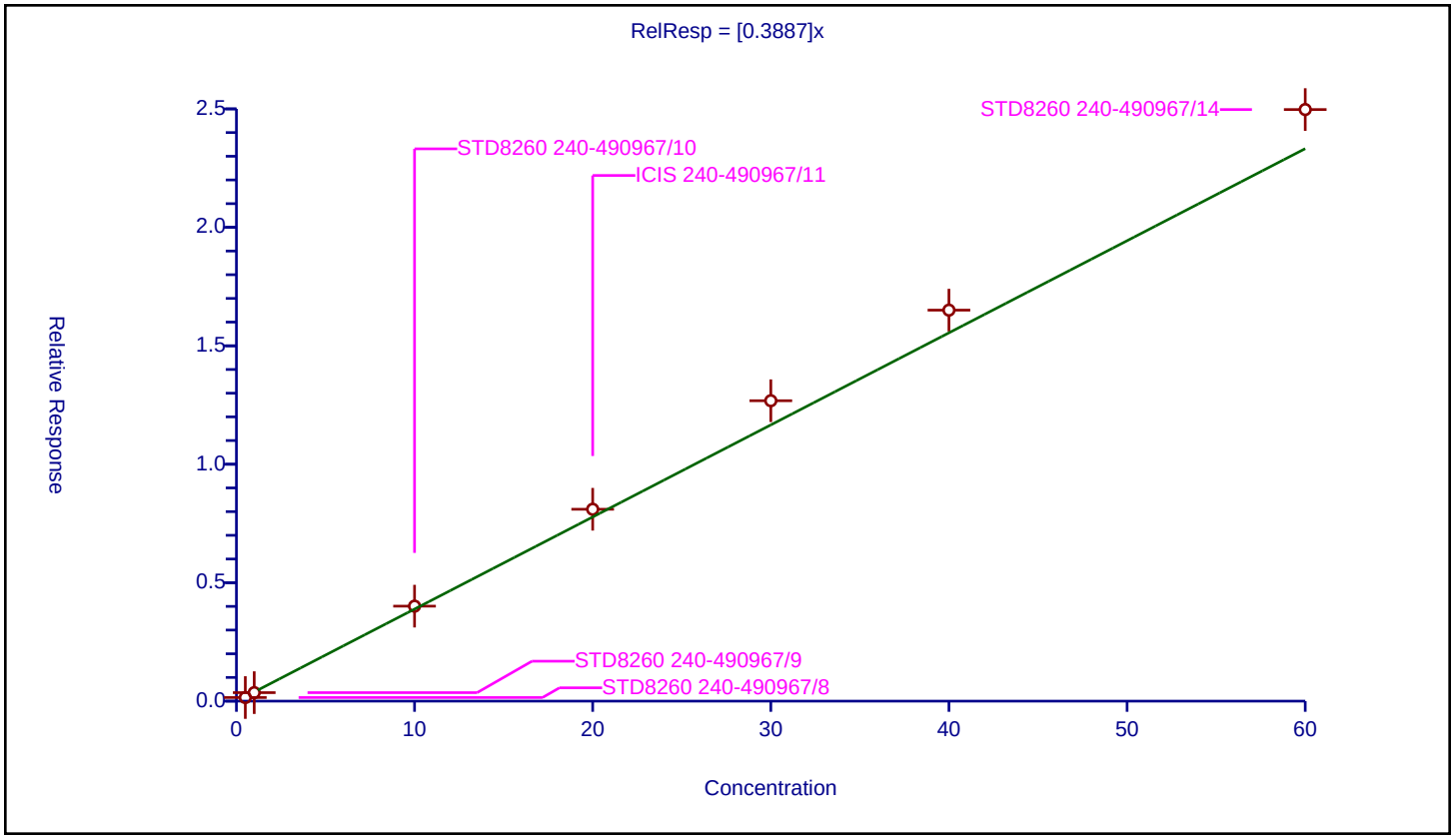
Curve Coefficients

Intercept:	0
Slope:	0.3887

Error Coefficients

Standard Error:	553000
Relative Standard Error:	11.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.15205	20.0	903124.0	0.3041	Y
2	STD8260 240-490967/9	1.0	0.359243	20.0	827017.0	0.359243	Y
3	STD8260 240-490967/10	10.0	4.009919	20.0	825857.0	0.400992	Y
4	ICIS 240-490967/11	20.0	8.09952	20.0	808438.0	0.404976	Y
5	STD8260 240-490967/12	30.0	12.680832	20.0	809204.0	0.422694	Y
6	STD8260 240-490967/13	40.0	16.50453	20.0	805700.0	0.412613	Y
7	STD8260 240-490967/14	60.0	24.971402	20.0	798298.0	0.41619	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

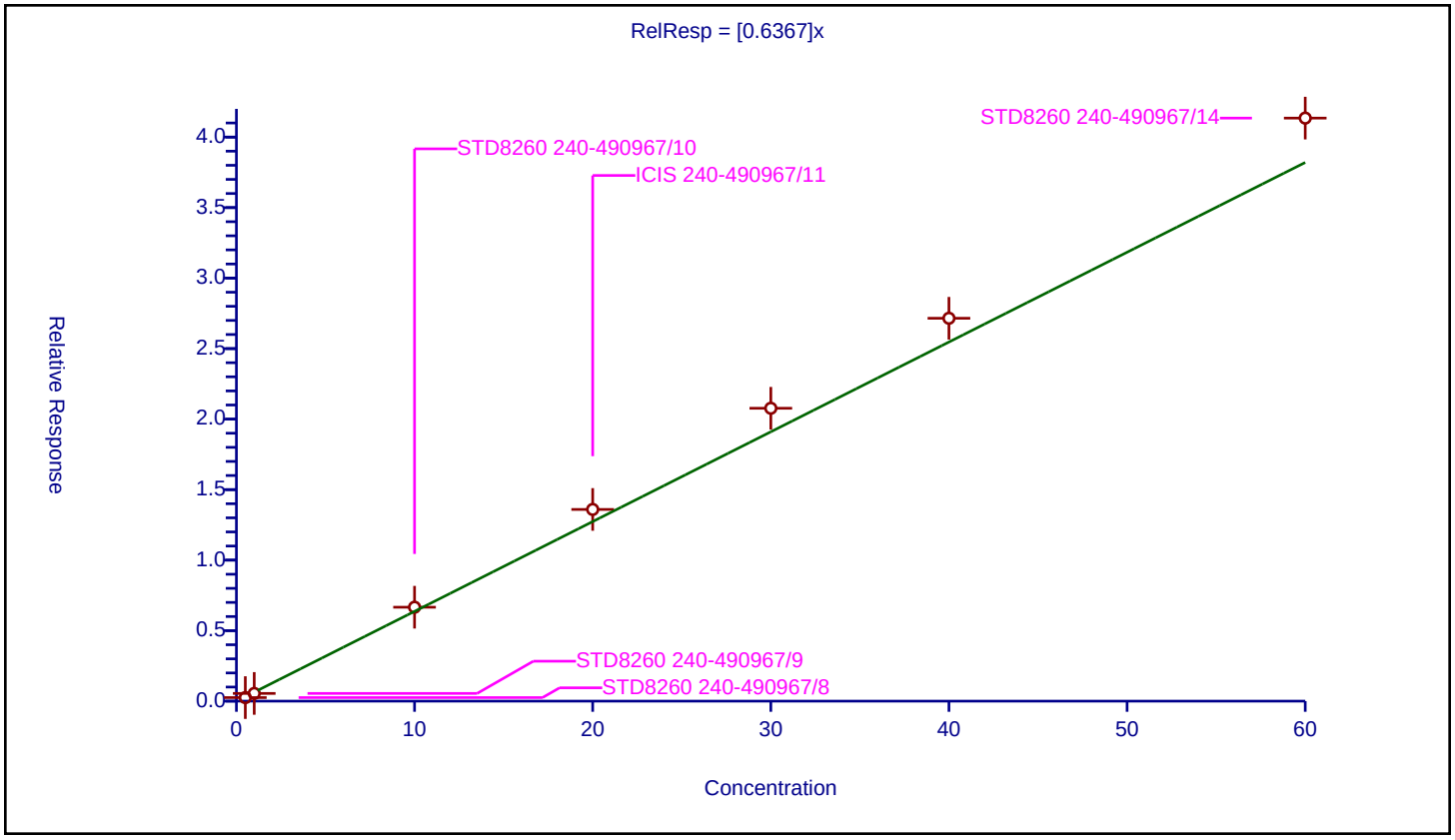
Curve Coefficients

Intercept:	0
Slope:	0.6367

Error Coefficients

Standard Error:	913000
Relative Standard Error:	12.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.251483	20.0	903124.0	0.502965	Y
2	STD8260 240-490967/9	1.0	0.547703	20.0	827017.0	0.547703	Y
3	STD8260 240-490967/10	10.0	6.660524	20.0	825857.0	0.666052	Y
4	ICIS 240-490967/11	20.0	13.595205	20.0	808438.0	0.67976	Y
5	STD8260 240-490967/12	30.0	20.770115	20.0	809204.0	0.692337	Y
6	STD8260 240-490967/13	40.0	27.15162	20.0	805700.0	0.67879	Y
7	STD8260 240-490967/14	60.0	41.347141	20.0	798298.0	0.689119	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

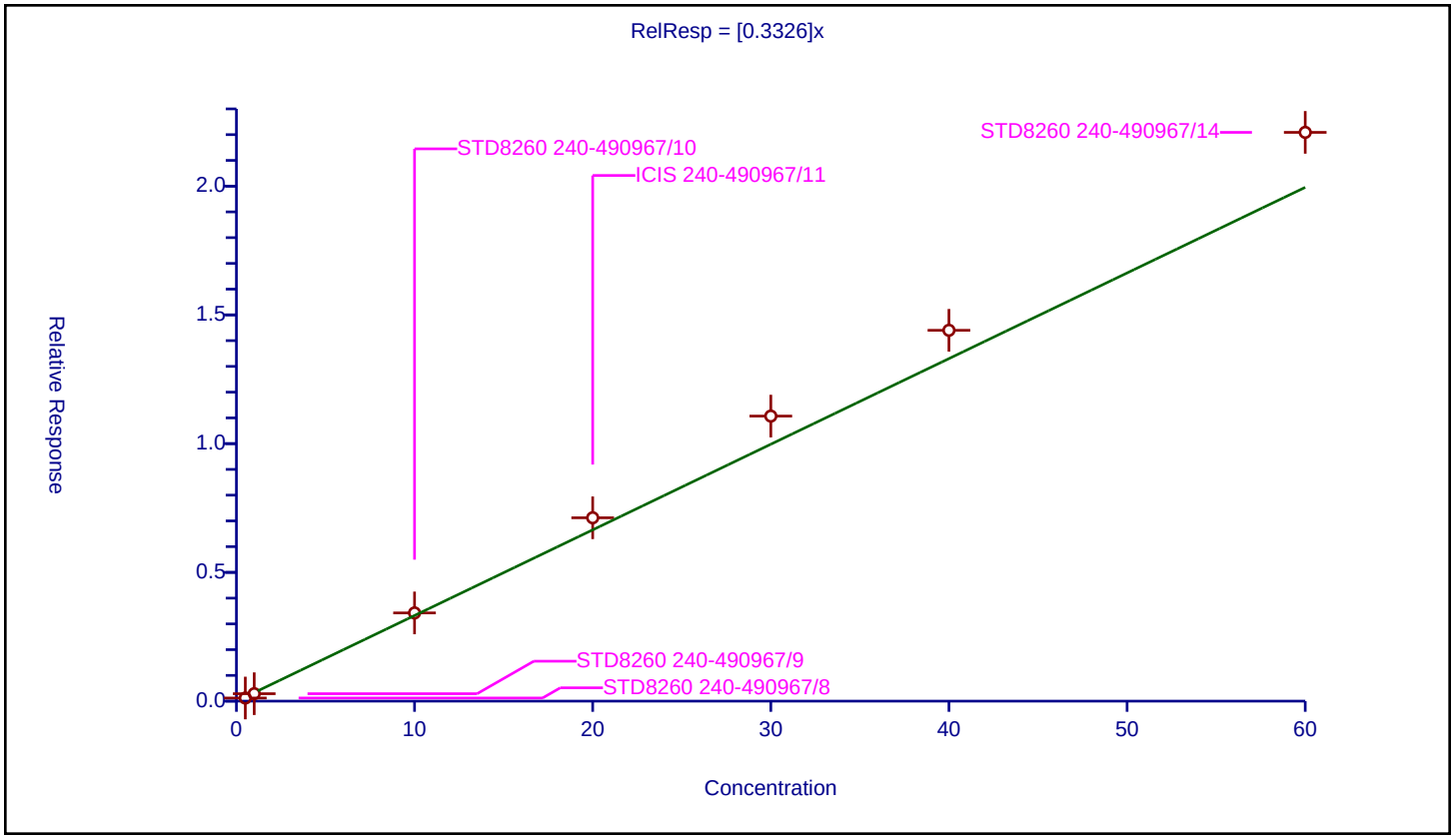
Curve Coefficients

Intercept:	0
Slope:	0.3326

Error Coefficients

Standard Error:	486000
Relative Standard Error:	14.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.121312	20.0	903124.0	0.242624	Y
2	STD8260 240-490967/9	1.0	0.289426	20.0	827017.0	0.289426	Y
3	STD8260 240-490967/10	10.0	3.425726	20.0	825857.0	0.342573	Y
4	ICIS 240-490967/11	20.0	7.121165	20.0	808438.0	0.356058	Y
5	STD8260 240-490967/12	30.0	11.06999	20.0	809204.0	0.369	Y
6	STD8260 240-490967/13	40.0	14.401812	20.0	805700.0	0.360045	Y
7	STD8260 240-490967/14	60.0	22.087817	20.0	798298.0	0.36813	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

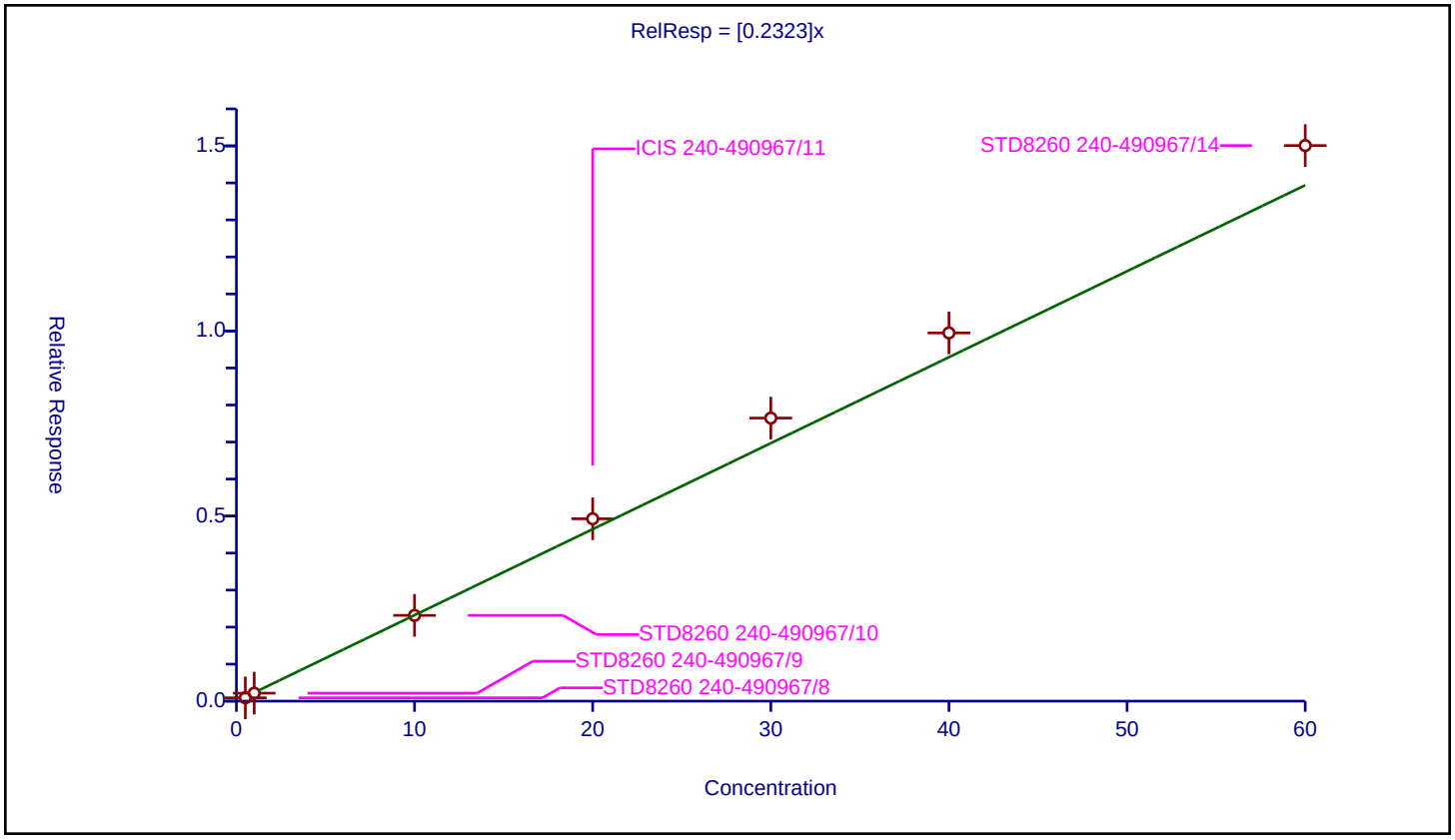
Curve Coefficients

Intercept:	0
Slope:	0.2323

Error Coefficients

Standard Error:	333000
Relative Standard Error:	11.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.089489	20.0	903124.0	0.178979	Y
2	STD8260 240-490967/9	1.0	0.215304	20.0	827017.0	0.215304	Y
3	STD8260 240-490967/10	10.0	2.316648	20.0	825857.0	0.231665	Y
4	ICIS 240-490967/11	20.0	4.92629	20.0	808438.0	0.246314	Y
5	STD8260 240-490967/12	30.0	7.647515	20.0	809204.0	0.254917	Y
6	STD8260 240-490967/13	40.0	9.947996	20.0	805700.0	0.2487	Y
7	STD8260 240-490967/14	60.0	15.010134	20.0	798298.0	0.250169	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

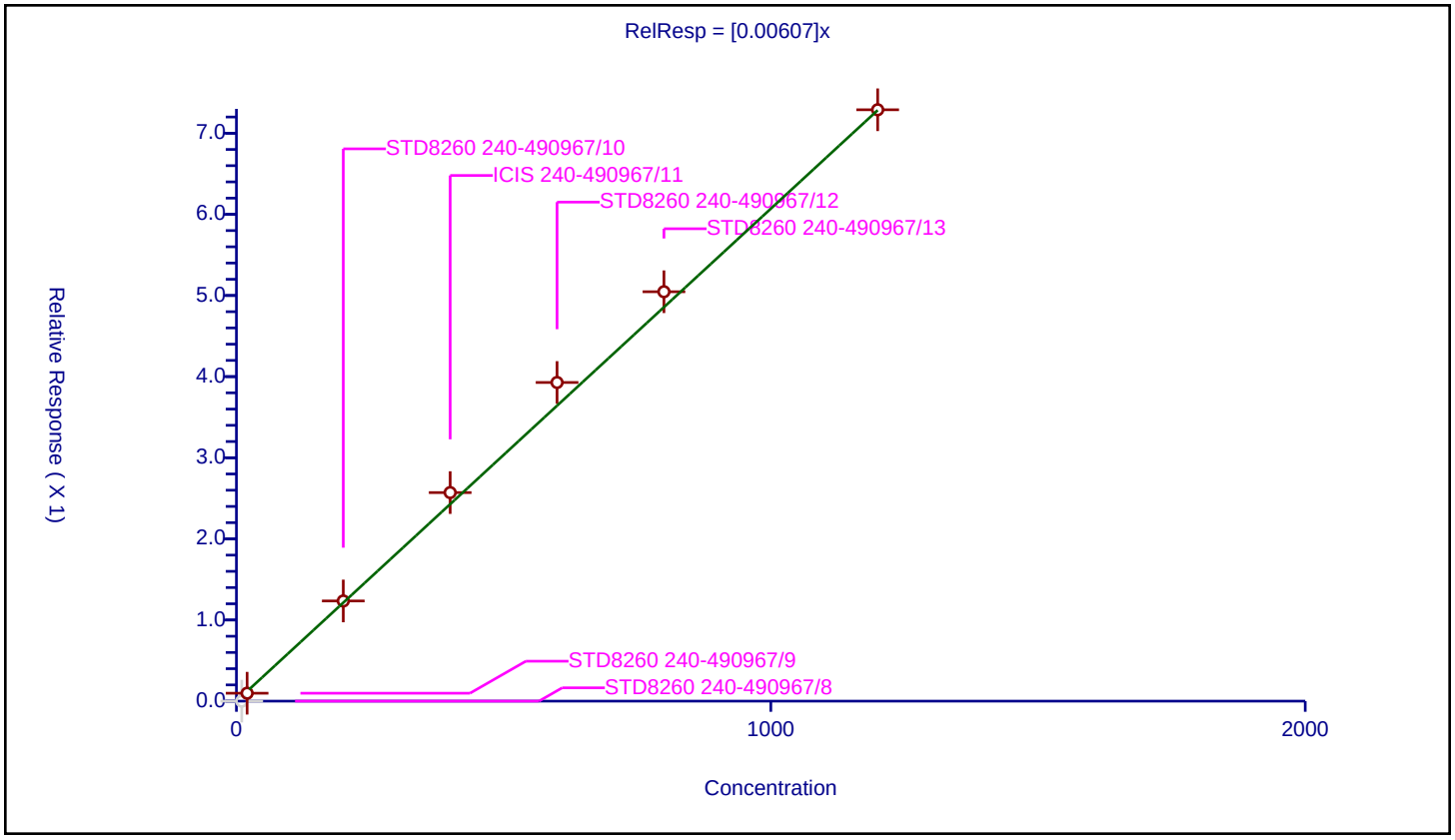
Curve Coefficients

Intercept:	0
Slope:	0.00607

Error Coefficients

Standard Error:	181000
Relative Standard Error:	9.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	10.0	0.0	20.0	903124.0	0.0	N
2	STD8260 240-490967/9	20.0	0.097797	20.0	827017.0	0.00489	Y
3	STD8260 240-490967/10	200.0	1.234911	20.0	825857.0	0.006175	Y
4	ICIS 240-490967/11	400.0	2.570785	20.0	808438.0	0.006427	Y
5	STD8260 240-490967/12	600.0	3.927662	20.0	809204.0	0.006546	Y
6	STD8260 240-490967/13	800.0	5.046394	20.0	805700.0	0.006308	Y
7	STD8260 240-490967/14	1200.0	7.289308	20.0	798298.0	0.006074	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

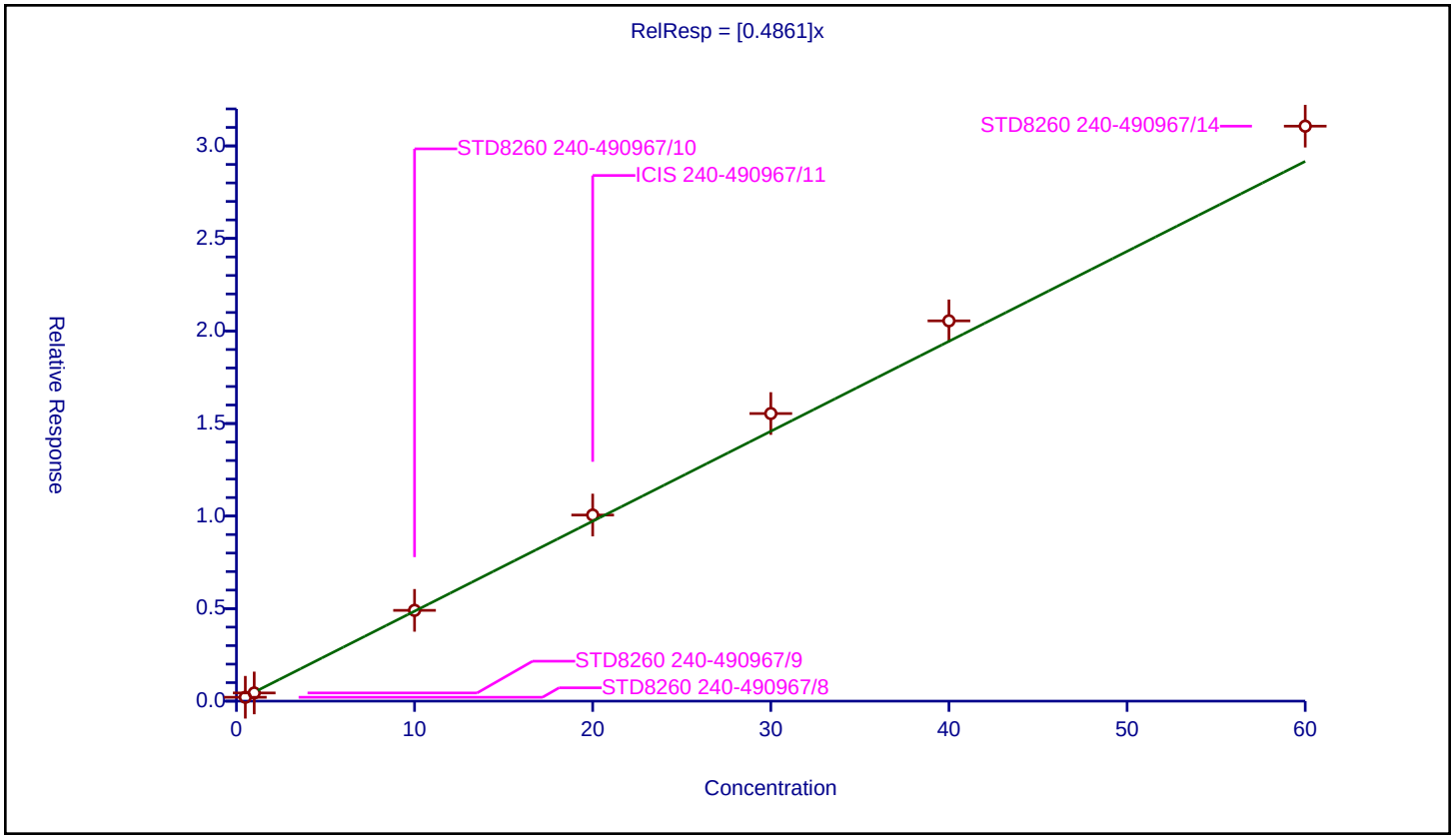
Curve Coefficients

Intercept:	0
Slope:	0.4861

Error Coefficients

Standard Error:	686000
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	STD8260 240-490967/8	0.5	0.20872	20.0	903124.0	0.41744	Y
2	STD8260 240-490967/9	1.0	0.442313	20.0	827017.0	0.442313	Y
3	STD8260 240-490967/10	10.0	4.905208	20.0	825857.0	0.490521	Y
4	ICIS 240-490967/11	20.0	10.055663	20.0	808438.0	0.502783	Y
5	STD8260 240-490967/12	30.0	15.539839	20.0	809204.0	0.517995	Y
6	STD8260 240-490967/13	40.0	20.547449	20.0	805700.0	0.513686	Y
7	STD8260 240-490967/14	60.0	31.067195	20.0	798298.0	0.517787	Y



Calibration / 2-Chloroethyl vinyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

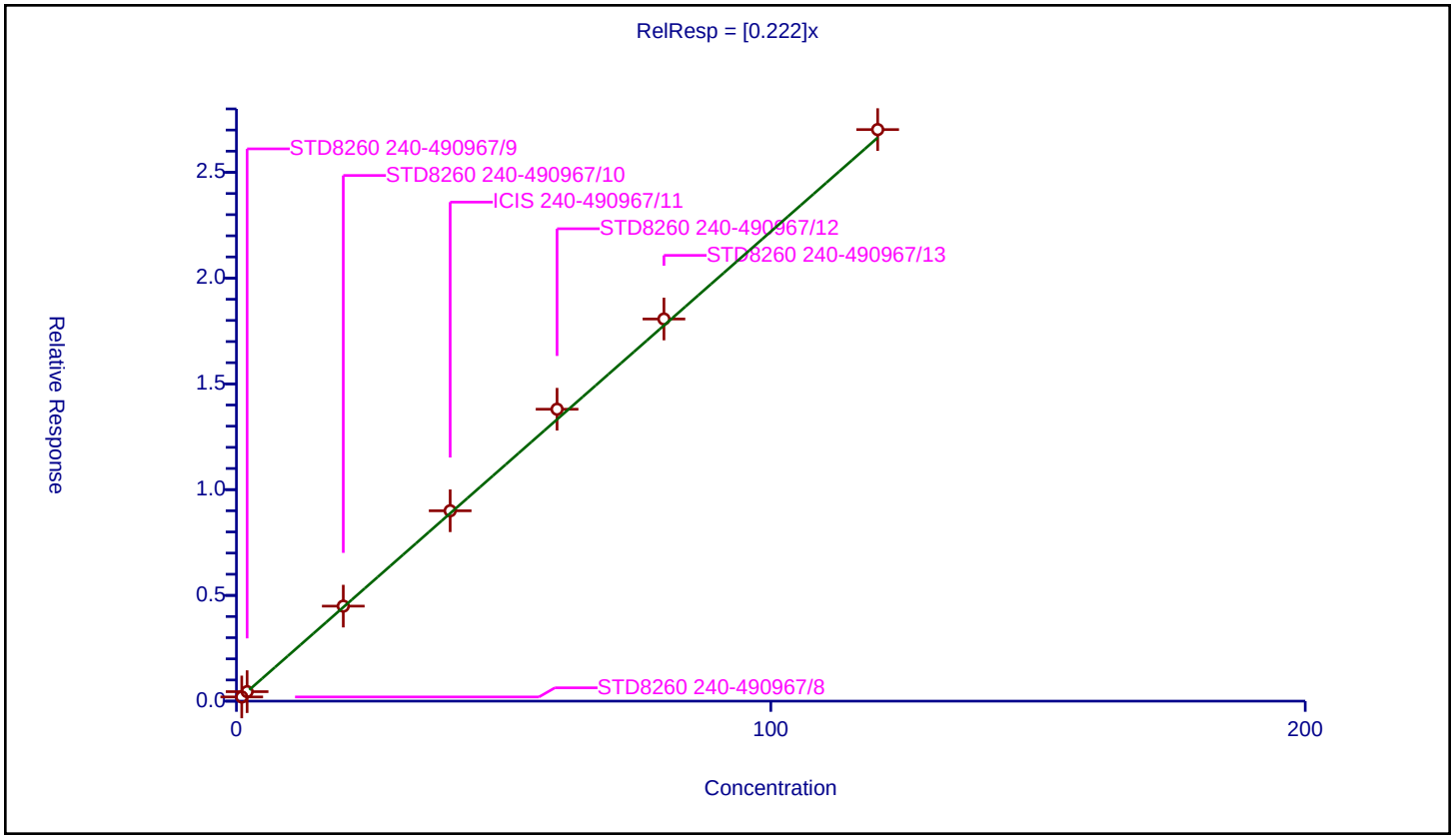
Curve Coefficients

Intercept:	0
Slope:	0.222

Error Coefficients

Standard Error:	602000
Relative Standard Error:	4.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	1.0	0.198688	20.0	903124.0	0.198688	Y
2	STD8260 240-490967/9	2.0	0.449398	20.0	827017.0	0.224699	Y
3	STD8260 240-490967/10	20.0	4.492158	20.0	825857.0	0.224608	Y
4	ICIS 240-490967/11	40.0	9.000517	20.0	808438.0	0.225013	Y
5	STD8260 240-490967/12	60.0	13.801958	20.0	809204.0	0.230033	Y
6	STD8260 240-490967/13	80.0	18.065905	20.0	805700.0	0.225824	Y
7	STD8260 240-490967/14	120.0	27.021739	20.0	798298.0	0.225181	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

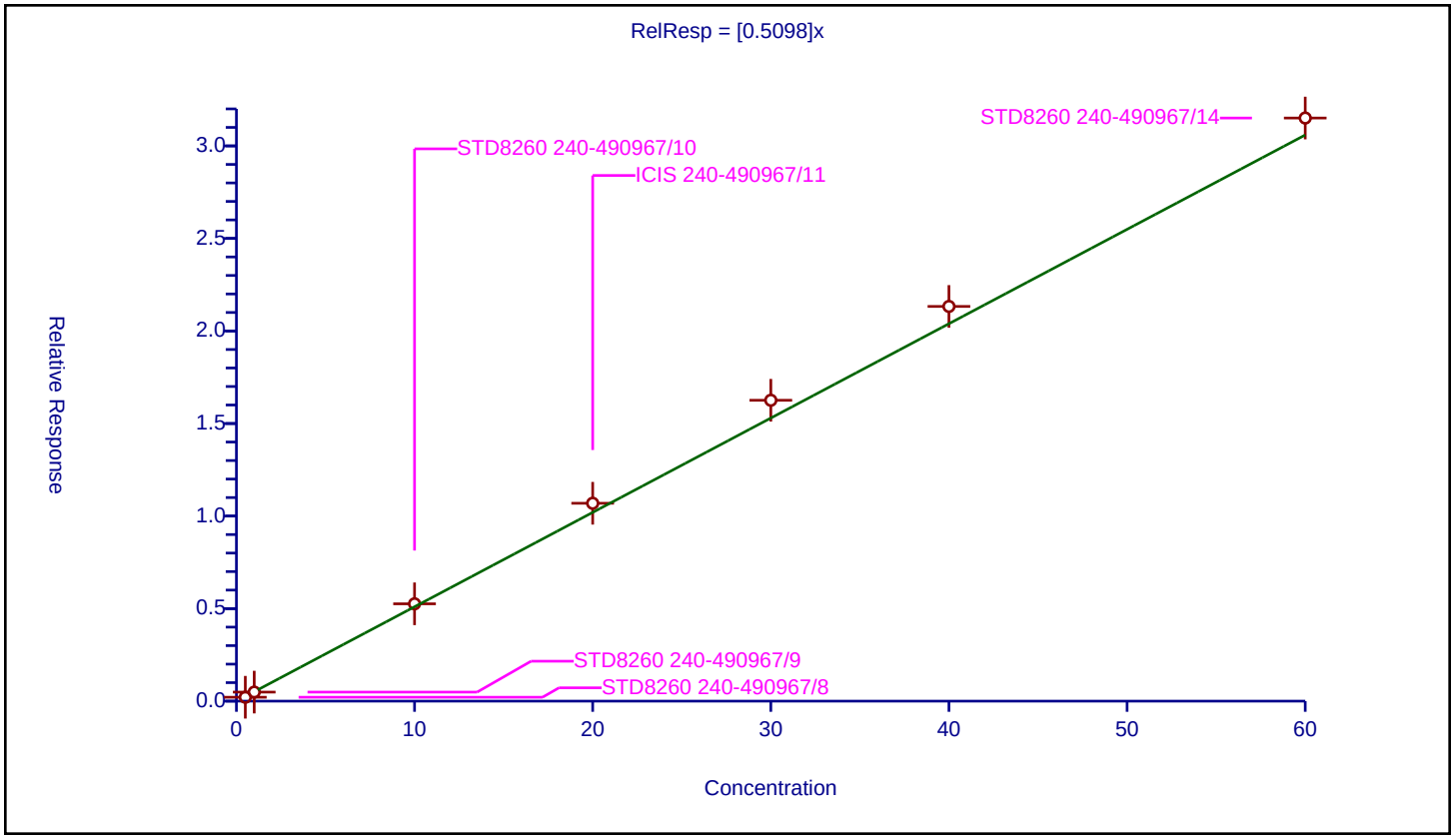
Curve Coefficients

Intercept:	0
Slope:	0.5098

Error Coefficients

Standard Error:	706000
Relative Standard Error:	8.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.210159	20.0	903124.0	0.420319	Y
2	STD8260 240-490967/9	1.0	0.48785	20.0	827017.0	0.48785	Y
3	STD8260 240-490967/10	10.0	5.259046	20.0	825857.0	0.525905	Y
4	ICIS 240-490967/11	20.0	10.691284	20.0	808438.0	0.534564	Y
5	STD8260 240-490967/12	30.0	16.256148	20.0	809204.0	0.541872	Y
6	STD8260 240-490967/13	40.0	21.326946	20.0	805700.0	0.533174	Y
7	STD8260 240-490967/14	60.0	31.506054	20.0	798298.0	0.525101	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

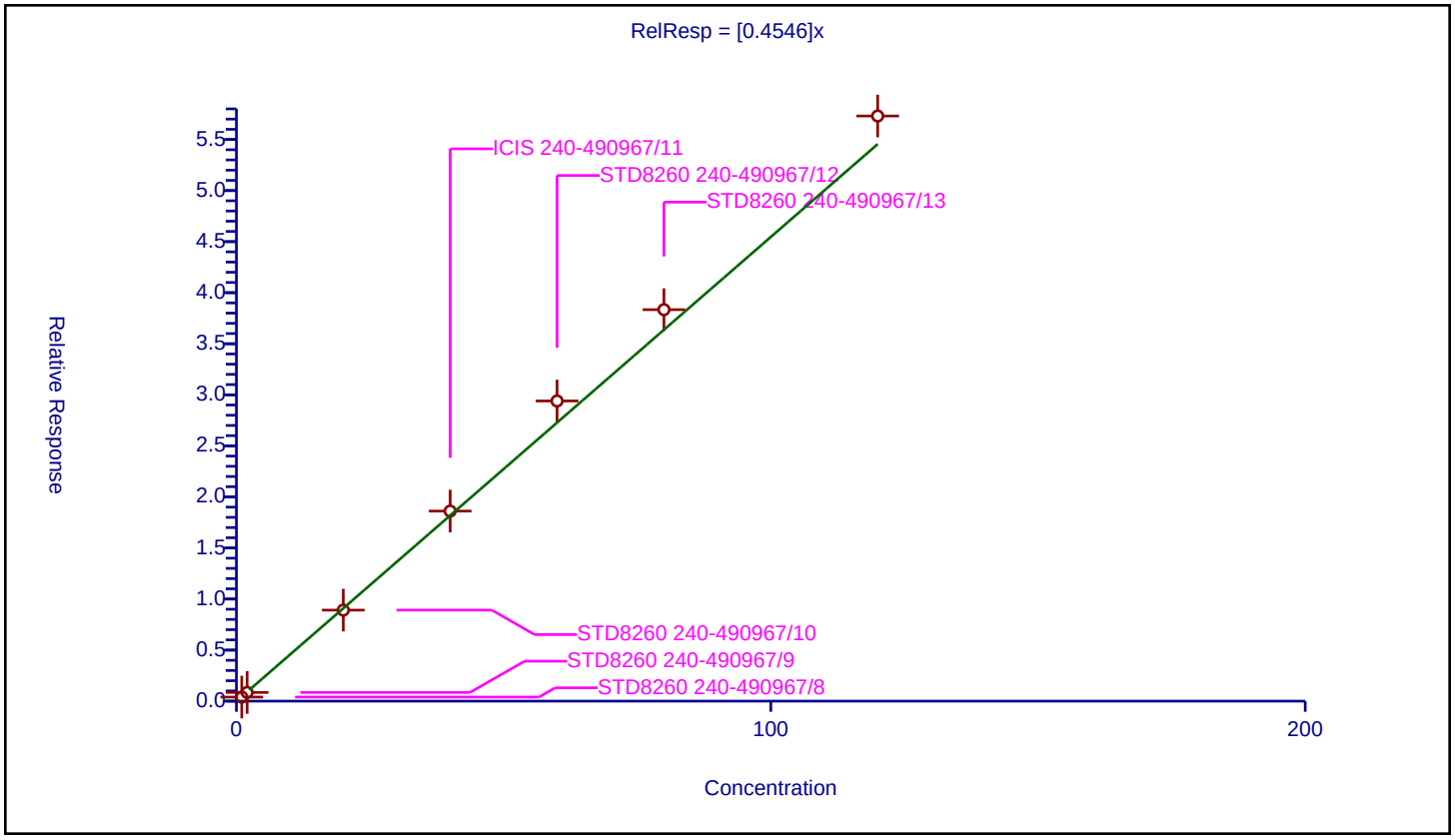
Curve Coefficients

Intercept:	0
Slope:	0.4546

Error Coefficients

Standard Error:	1270000
Relative Standard Error:	7.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	1.0	0.398572	20.0	903124.0	0.398572	Y
2	STD8260 240-490967/9	2.0	0.85176	20.0	827017.0	0.42588	Y
3	STD8260 240-490967/10	20.0	8.913359	20.0	825857.0	0.445668	Y
4	ICIS 240-490967/11	40.0	18.612534	20.0	808438.0	0.465313	Y
5	STD8260 240-490967/12	60.0	29.395974	20.0	809204.0	0.489933	Y
6	STD8260 240-490967/13	80.0	38.337917	20.0	805700.0	0.479224	Y
7	STD8260 240-490967/14	120.0	57.302486	20.0	798298.0	0.477521	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

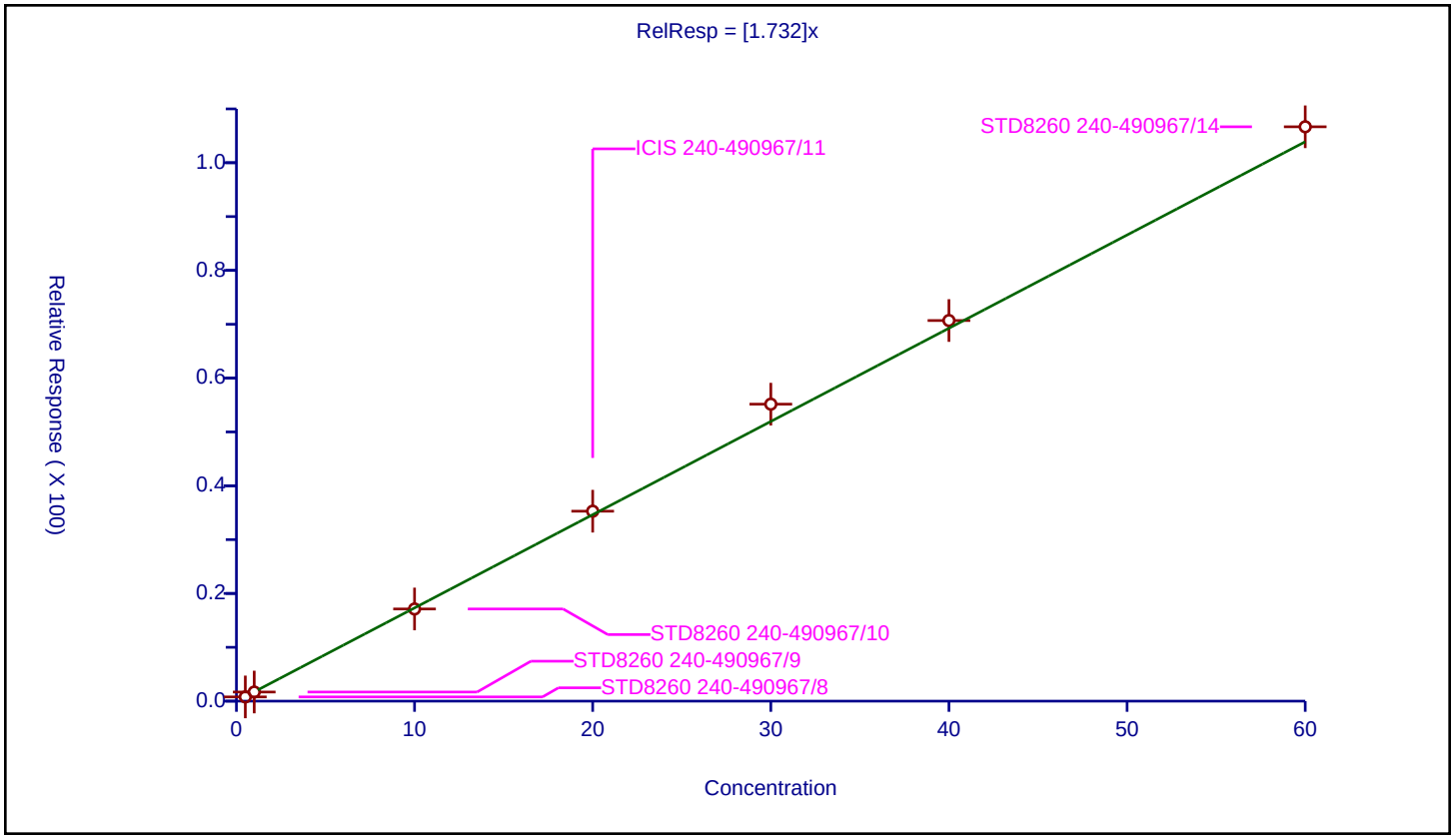
Curve Coefficients

Intercept:	0
Slope:	1.732

Error Coefficients

Standard Error:	1810000
Relative Standard Error:	5.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.782747	20.0	694196.0	1.565494	Y
2	STD8260 240-490967/9	1.0	1.696051	20.0	634120.0	1.696051	Y
3	STD8260 240-490967/10	10.0	17.117324	20.0	644103.0	1.711732	Y
4	ICIS 240-490967/11	20.0	35.276589	20.0	626941.0	1.763829	Y
5	STD8260 240-490967/12	30.0	55.160019	20.0	618209.0	1.838667	Y
6	STD8260 240-490967/13	40.0	70.693009	20.0	618318.0	1.767325	Y
7	STD8260 240-490967/14	60.0	106.675863	20.0	605291.0	1.777931	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

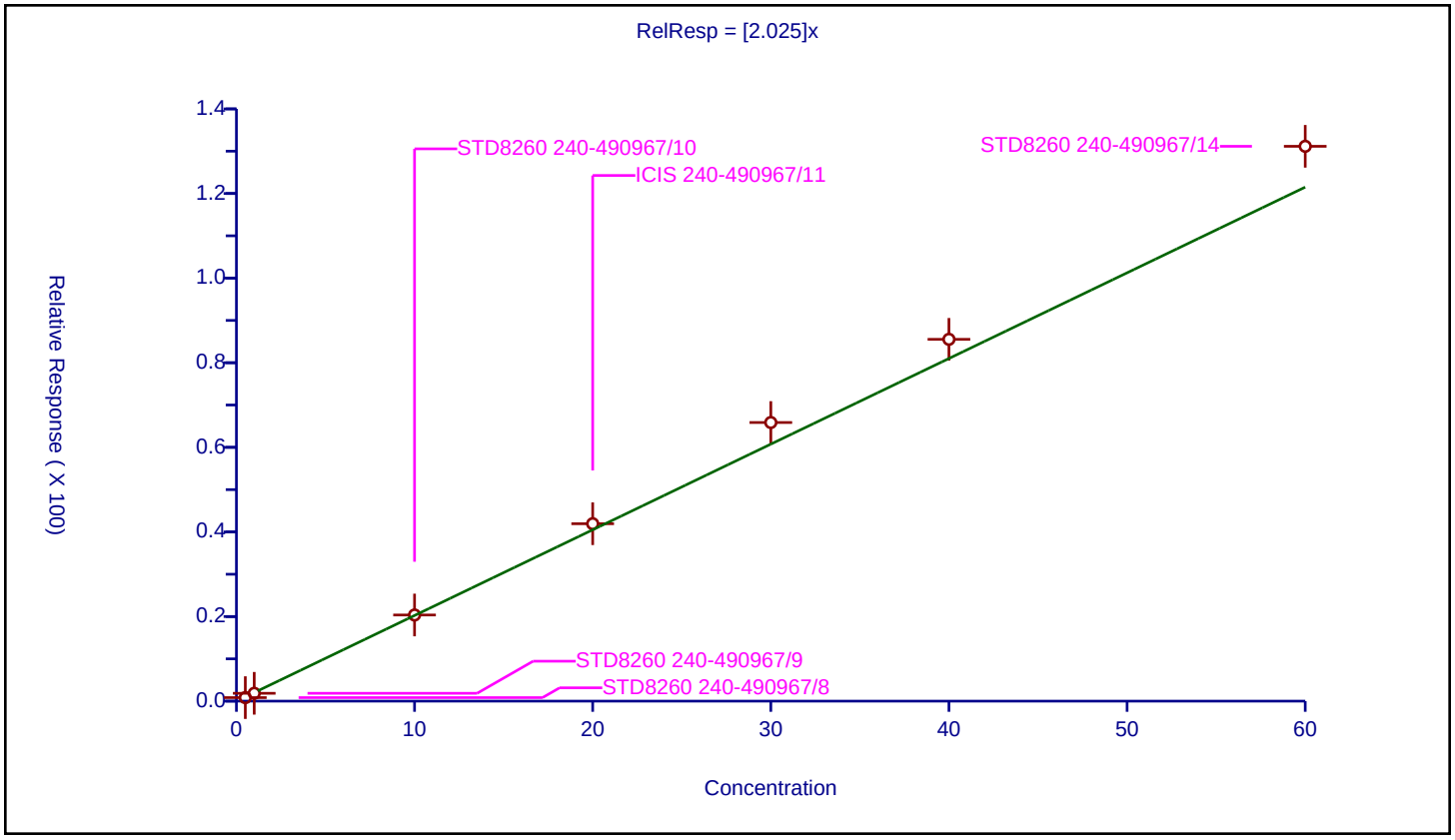
Curve Coefficients

Intercept:	0
Slope:	2.025

Error Coefficients

Standard Error:	2200000
Relative Standard Error:	9.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.832503	20.0	694196.0	1.665005	Y
2	STD8260 240-490967/9	1.0	1.856967	20.0	634120.0	1.856967	Y
3	STD8260 240-490967/10	10.0	20.366805	20.0	644103.0	2.03668	Y
4	ICIS 240-490967/11	20.0	41.938077	20.0	626941.0	2.096904	Y
5	STD8260 240-490967/12	30.0	65.862775	20.0	618209.0	2.195426	Y
6	STD8260 240-490967/13	40.0	85.524892	20.0	618318.0	2.138122	Y
7	STD8260 240-490967/14	60.0	131.152983	20.0	605291.0	2.185883	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

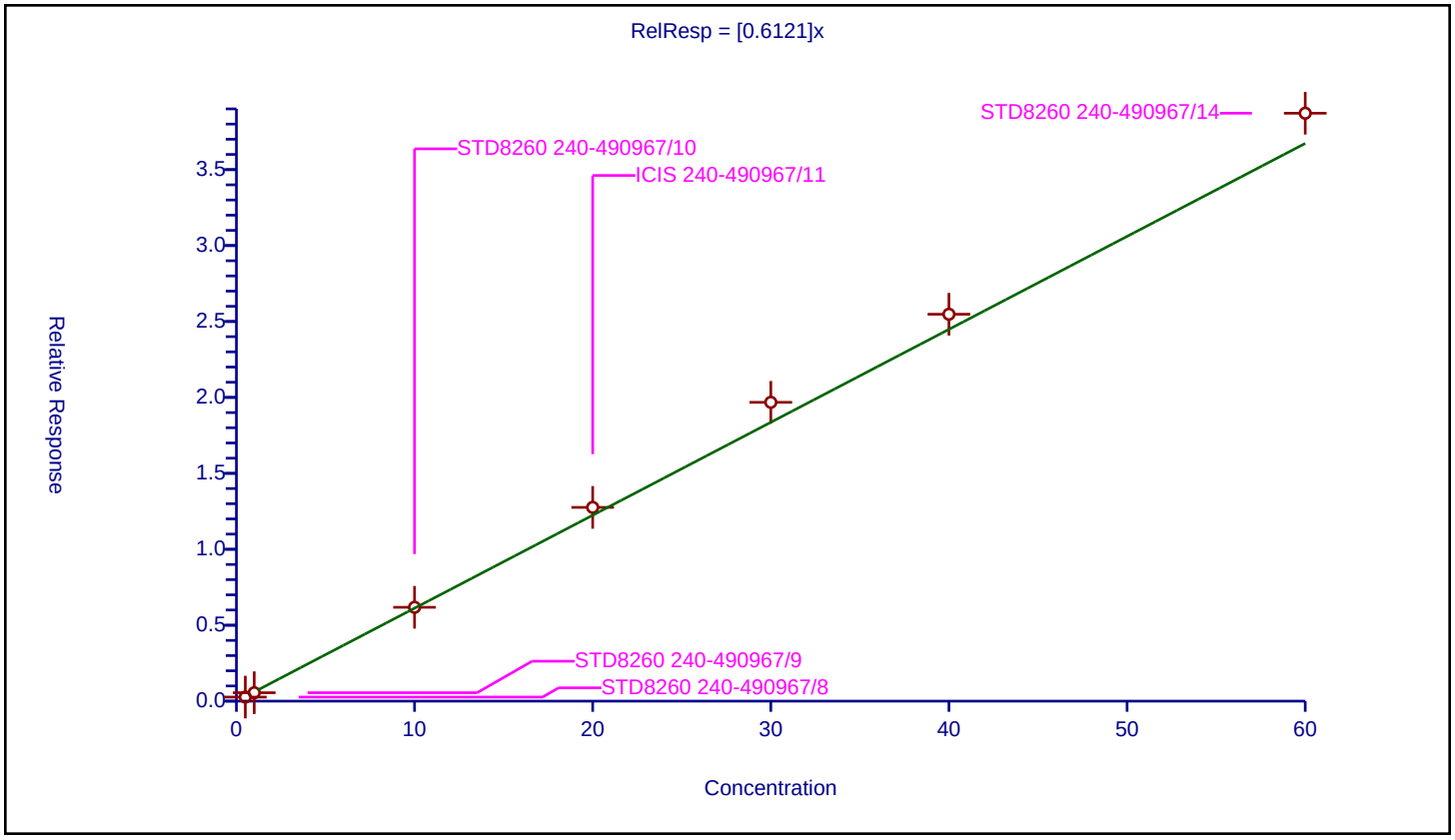
Curve Coefficients

Intercept:	0
Slope:	0.6121

Error Coefficients

Standard Error:	654000
Relative Standard Error:	7.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.26759	20.0	694196.0	0.53518	Y
2	STD8260 240-490967/9	1.0	0.555352	20.0	634120.0	0.555352	Y
3	STD8260 240-490967/10	10.0	6.179353	20.0	644103.0	0.617935	Y
4	ICIS 240-490967/11	20.0	12.75884	20.0	626941.0	0.637942	Y
5	STD8260 240-490967/12	30.0	19.677844	20.0	618209.0	0.655928	Y
6	STD8260 240-490967/13	40.0	25.477732	20.0	618318.0	0.636943	Y
7	STD8260 240-490967/14	60.0	38.714007	20.0	605291.0	0.645233	Y



Calibration / Ethyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

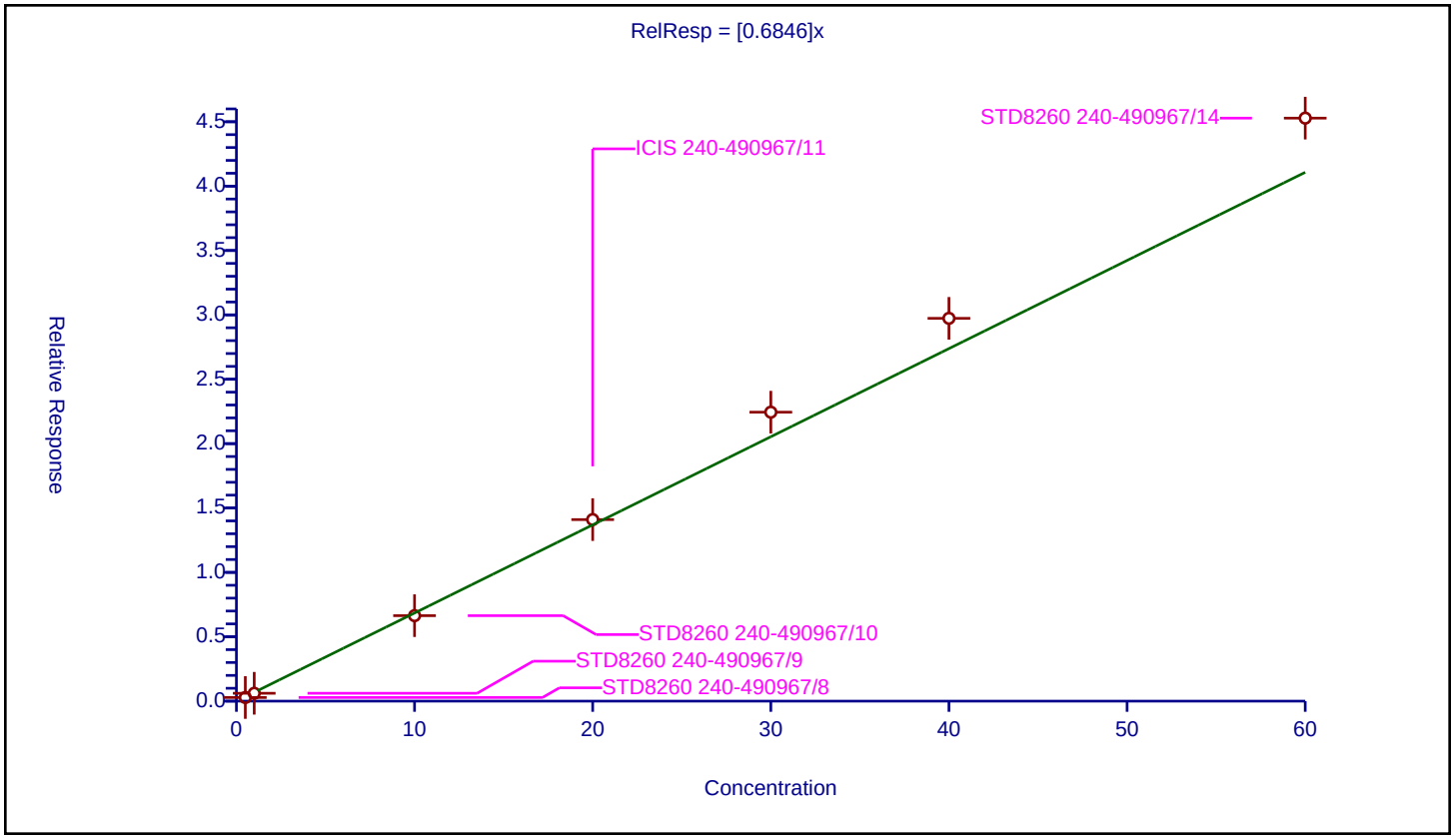
Curve Coefficients

Intercept:	0
Slope:	0.6846

Error Coefficients

Standard Error:	758000
Relative Standard Error:	10.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.283004	20.0	694196.0	0.566007	Y
2	STD8260 240-490967/9	1.0	0.610642	20.0	634120.0	0.610642	Y
3	STD8260 240-490967/10	10.0	6.640149	20.0	644103.0	0.664015	Y
4	ICIS 240-490967/11	20.0	14.102029	20.0	626941.0	0.705101	Y
5	STD8260 240-490967/12	30.0	22.444707	20.0	618209.0	0.748157	Y
6	STD8260 240-490967/13	40.0	29.732597	20.0	618318.0	0.743315	Y
7	STD8260 240-490967/14	60.0	45.28255	20.0	605291.0	0.754709	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

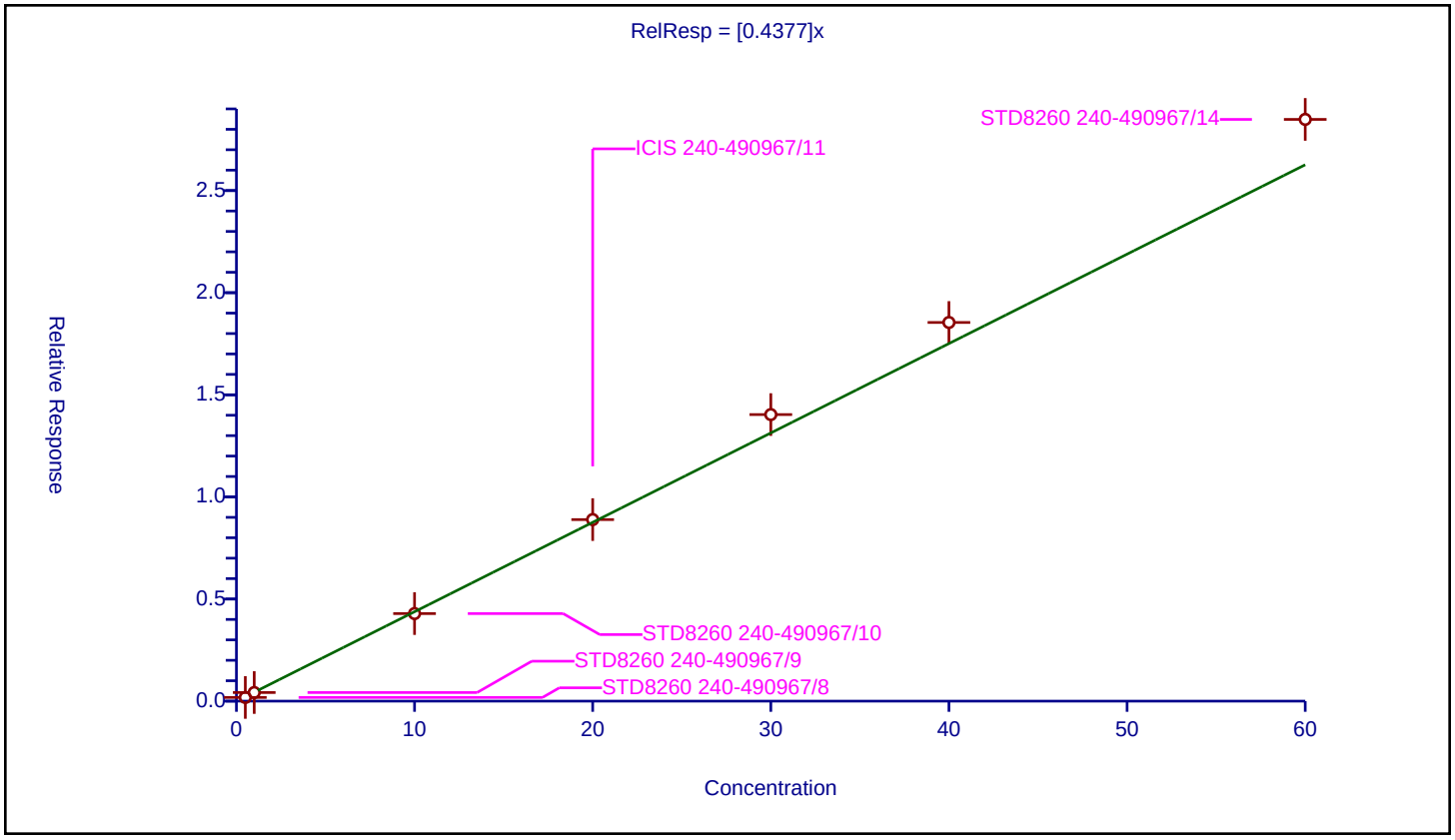
Curve Coefficients

Intercept:	0
Slope:	0.4377

Error Coefficients

Standard Error:	476000
Relative Standard Error:	8.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.181274	20.0	694196.0	0.362549	Y
2	STD8260 240-490967/9	1.0	0.422286	20.0	634120.0	0.422286	Y
3	STD8260 240-490967/10	10.0	4.287761	20.0	644103.0	0.428776	Y
4	ICIS 240-490967/11	20.0	8.889545	20.0	626941.0	0.444477	Y
5	STD8260 240-490967/12	30.0	14.031533	20.0	618209.0	0.467718	Y
6	STD8260 240-490967/13	40.0	18.542401	20.0	618318.0	0.46356	Y
7	STD8260 240-490967/14	60.0	28.485076	20.0	605291.0	0.474751	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

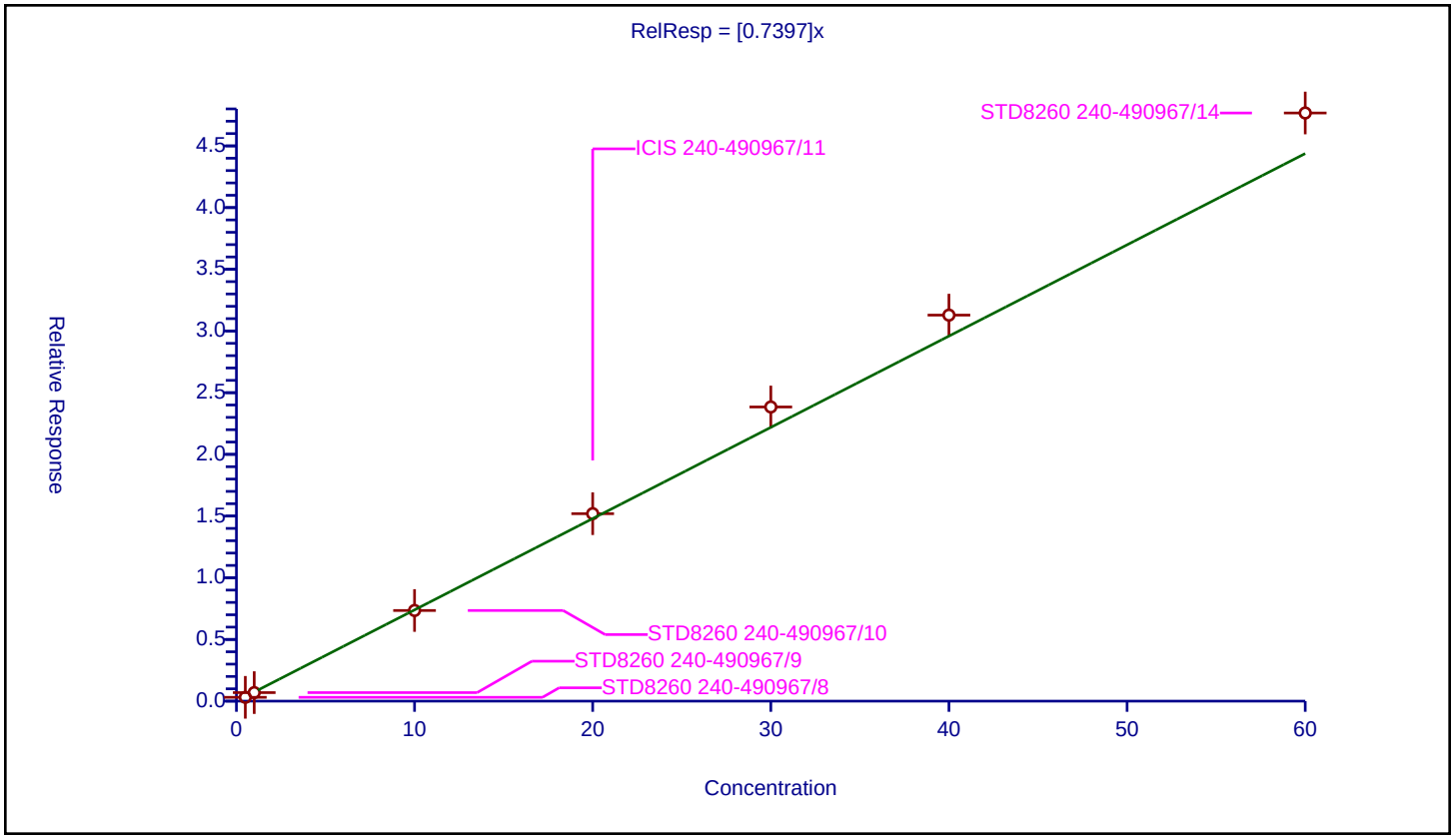
Curve Coefficients

Intercept:	0
Slope:	0.7397

Error Coefficients

Standard Error:	800000
Relative Standard Error:	8.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.30974	20.0	694196.0	0.619479	Y
2	STD8260 240-490967/9	1.0	0.692519	20.0	634120.0	0.692519	Y
3	STD8260 240-490967/10	10.0	7.346682	20.0	644103.0	0.734668	Y
4	ICIS 240-490967/11	20.0	15.193072	20.0	626941.0	0.759654	Y
5	STD8260 240-490967/12	30.0	23.840805	20.0	618209.0	0.794693	Y
6	STD8260 240-490967/13	40.0	31.28662	20.0	618318.0	0.782165	Y
7	STD8260 240-490967/14	60.0	47.667287	20.0	605291.0	0.794455	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

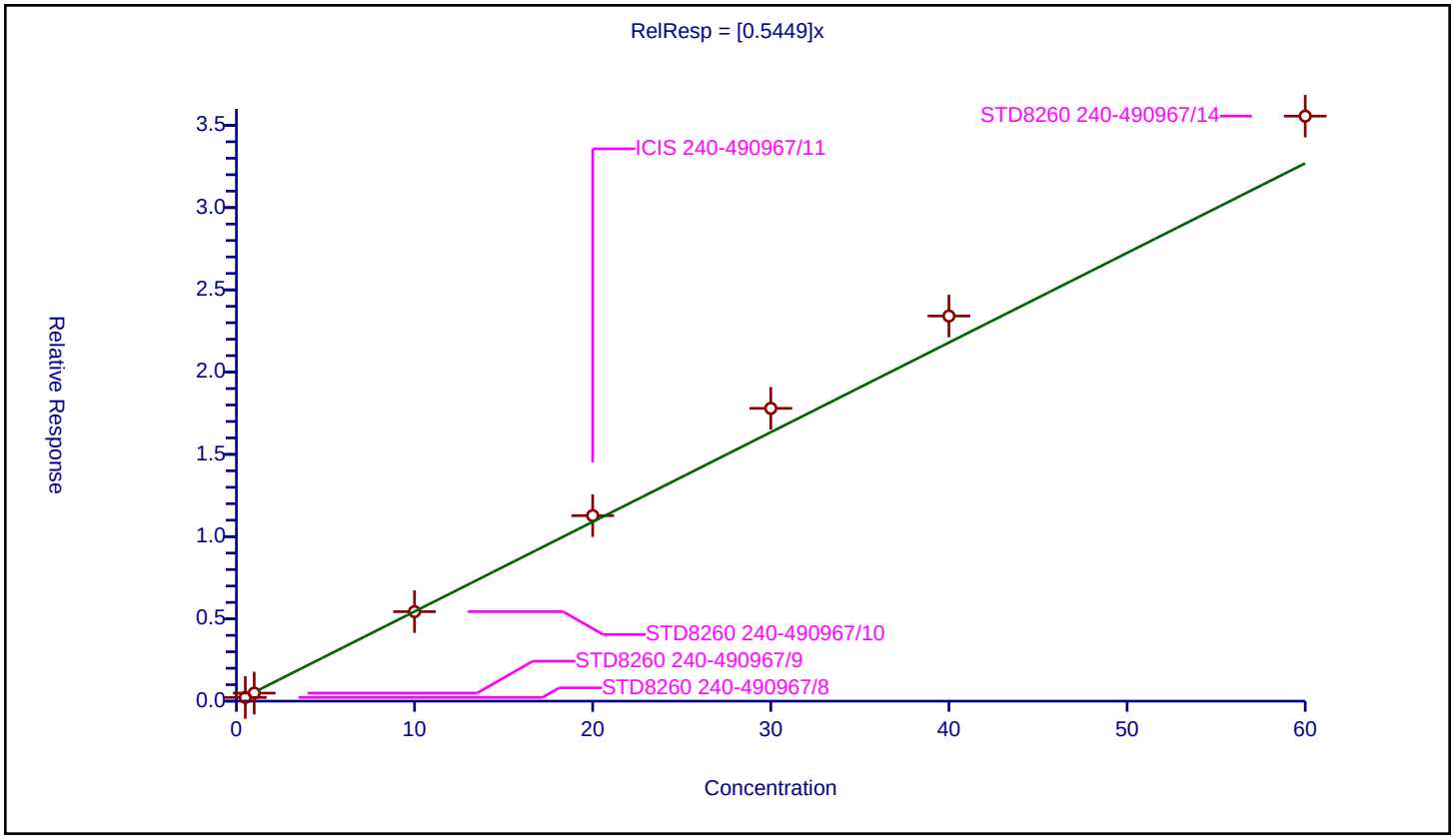
Curve Coefficients

Intercept:	0
Slope:	0.5449

Error Coefficients

Standard Error:	597000
Relative Standard Error:	10.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.223943	20.0	694196.0	0.447885	Y
2	STD8260 240-490967/9	1.0	0.487384	20.0	634120.0	0.487384	Y
3	STD8260 240-490967/10	10.0	5.441304	20.0	644103.0	0.54413	Y
4	ICIS 240-490967/11	20.0	11.275224	20.0	626941.0	0.563761	Y
5	STD8260 240-490967/12	30.0	17.7978	20.0	618209.0	0.59326	Y
6	STD8260 240-490967/13	40.0	23.409346	20.0	618318.0	0.585234	Y
7	STD8260 240-490967/14	60.0	35.558963	20.0	605291.0	0.592649	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

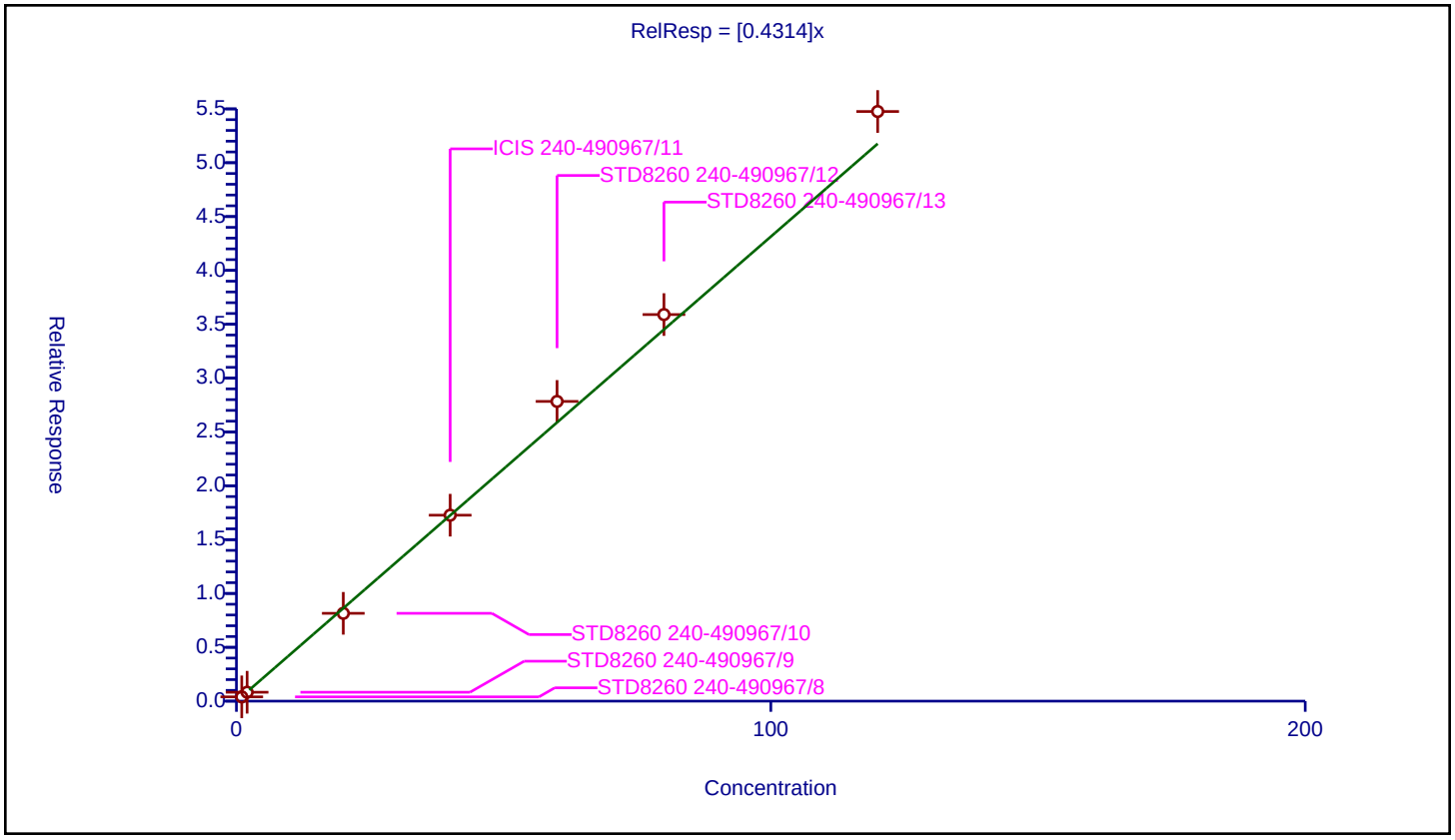
Curve Coefficients

Intercept:	0
Slope:	0.4314

Error Coefficients

Standard Error:	920000
Relative Standard Error:	6.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	1.0	0.397467	20.0	694196.0	0.397467	Y
2	STD8260 240-490967/9	2.0	0.827225	20.0	634120.0	0.413613	Y
3	STD8260 240-490967/10	20.0	8.155838	20.0	644103.0	0.407792	Y
4	ICIS 240-490967/11	40.0	17.269281	20.0	626941.0	0.431732	Y
5	STD8260 240-490967/12	60.0	27.833856	20.0	618209.0	0.463898	Y
6	STD8260 240-490967/13	80.0	35.900782	20.0	618318.0	0.44876	Y
7	STD8260 240-490967/14	120.0	54.757827	20.0	605291.0	0.456315	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

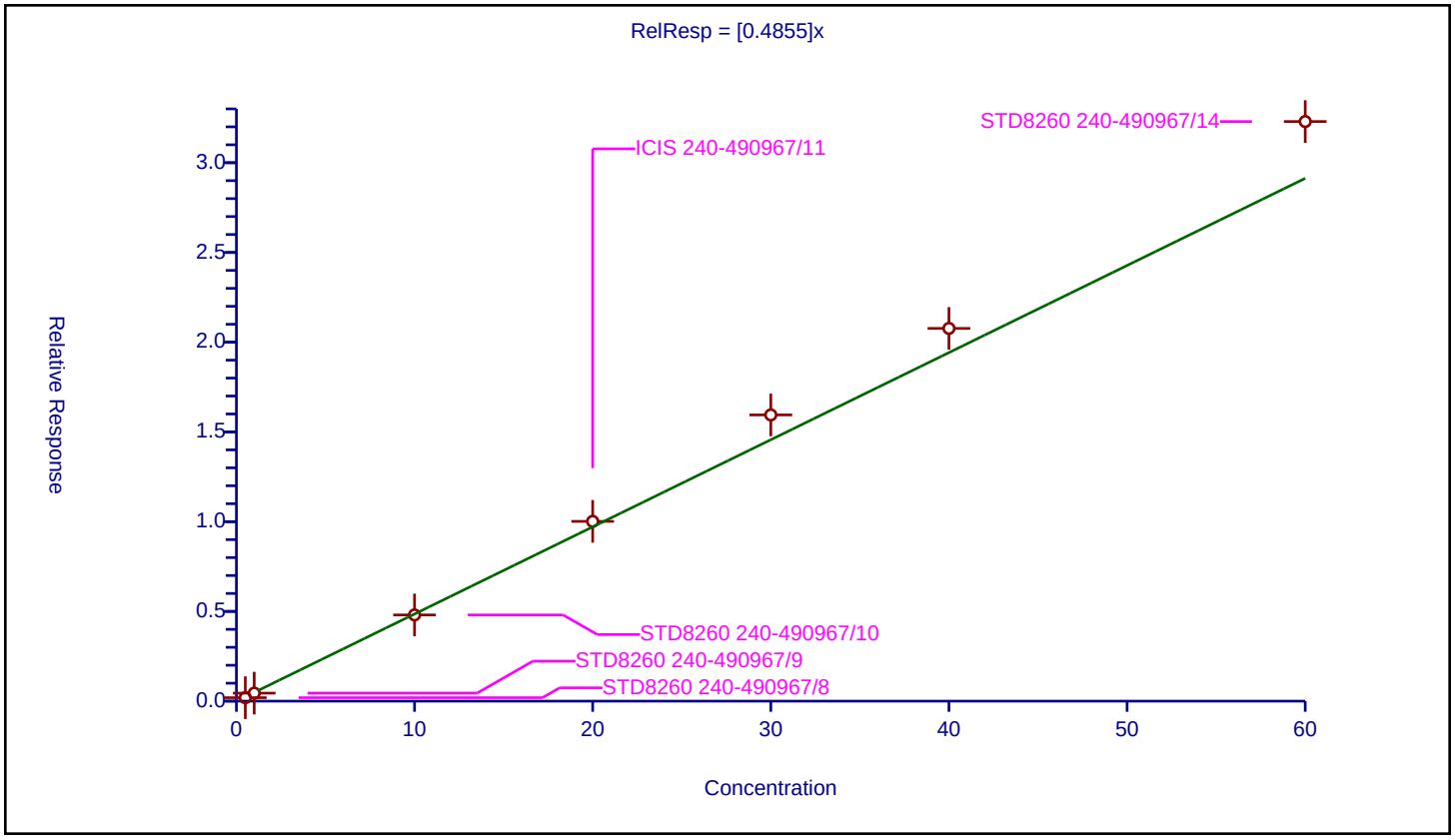
Curve Coefficients

Intercept:	0
Slope:	0.4855

Error Coefficients

Standard Error:	537000
Relative Standard Error:	11.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.191531	20.0	694196.0	0.383062	Y
2	STD8260 240-490967/9	1.0	0.445215	20.0	634120.0	0.445215	Y
3	STD8260 240-490967/10	10.0	4.80358	20.0	644103.0	0.480358	Y
4	ICIS 240-490967/11	20.0	10.015871	20.0	626941.0	0.500794	Y
5	STD8260 240-490967/12	30.0	15.948458	20.0	618209.0	0.531615	Y
6	STD8260 240-490967/13	40.0	20.767857	20.0	618318.0	0.519196	Y
7	STD8260 240-490967/14	60.0	32.29445	20.0	605291.0	0.538241	Y



Calibration / Ethylene Dibromide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

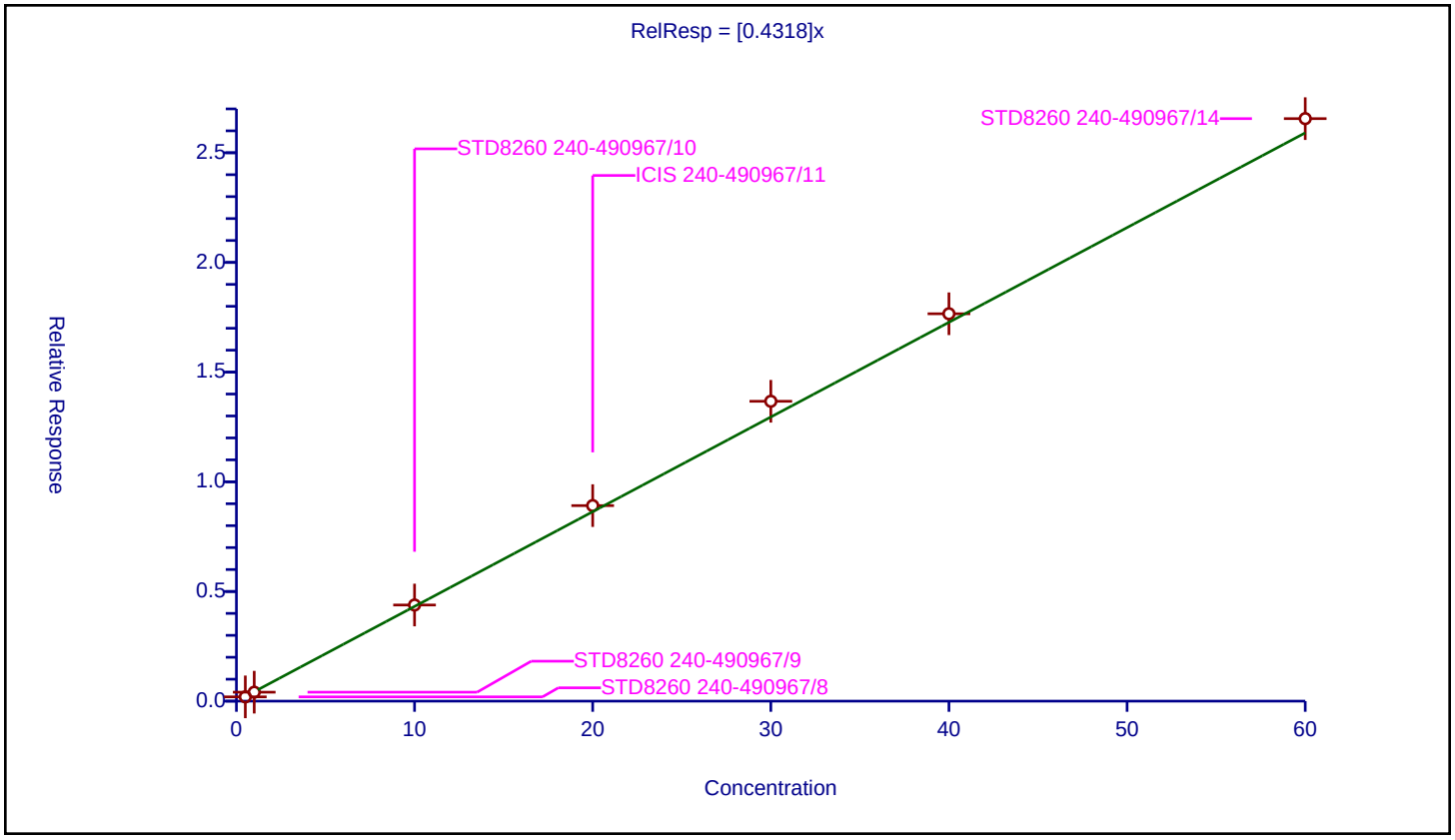
Curve Coefficients

Intercept:	0
Slope:	0.4318

Error Coefficients

Standard Error:	451000
Relative Standard Error:	5.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.195276	20.0	694196.0	0.390553	Y
2	STD8260 240-490967/9	1.0	0.408093	20.0	634120.0	0.408093	Y
3	STD8260 240-490967/10	10.0	4.383088	20.0	644103.0	0.438309	Y
4	ICIS 240-490967/11	20.0	8.913726	20.0	626941.0	0.445686	Y
5	STD8260 240-490967/12	30.0	13.670814	20.0	618209.0	0.455694	Y
6	STD8260 240-490967/13	40.0	17.660751	20.0	618318.0	0.441519	Y
7	STD8260 240-490967/14	60.0	26.555062	20.0	605291.0	0.442584	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

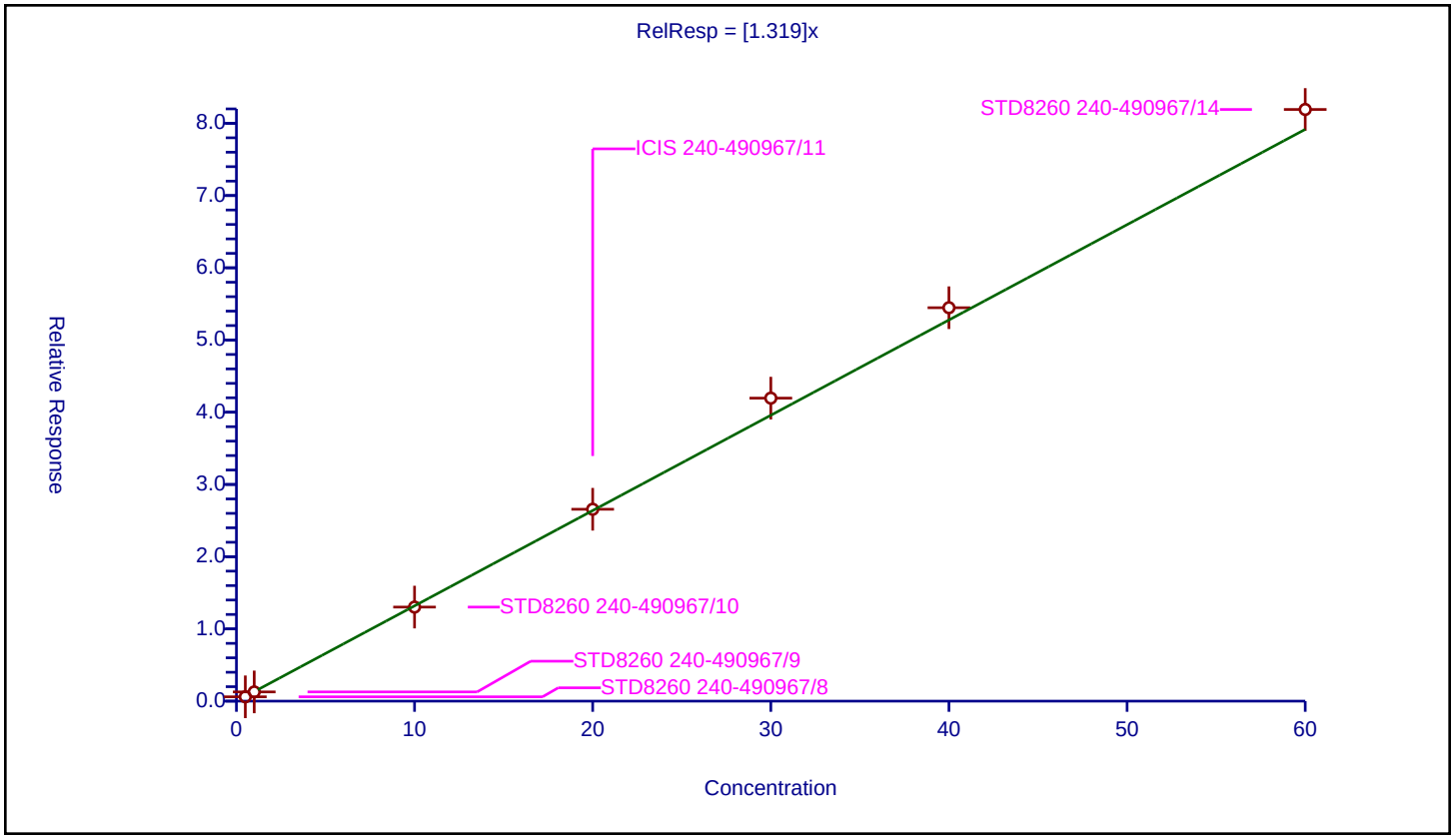
Curve Coefficients

Intercept:	0
Slope:	1.319

Error Coefficients

Standard Error:	1390000
Relative Standard Error:	5.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.600666	20.0	694196.0	1.201332	Y
2	STD8260 240-490967/9	1.0	1.278402	20.0	634120.0	1.278402	Y
3	STD8260 240-490967/10	10.0	13.02211	20.0	644103.0	1.302211	Y
4	ICIS 240-490967/11	20.0	26.566487	20.0	626941.0	1.328324	Y
5	STD8260 240-490967/12	30.0	41.954064	20.0	618209.0	1.398469	Y
6	STD8260 240-490967/13	40.0	54.471647	20.0	618318.0	1.361791	Y
7	STD8260 240-490967/14	60.0	81.918449	20.0	605291.0	1.365307	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

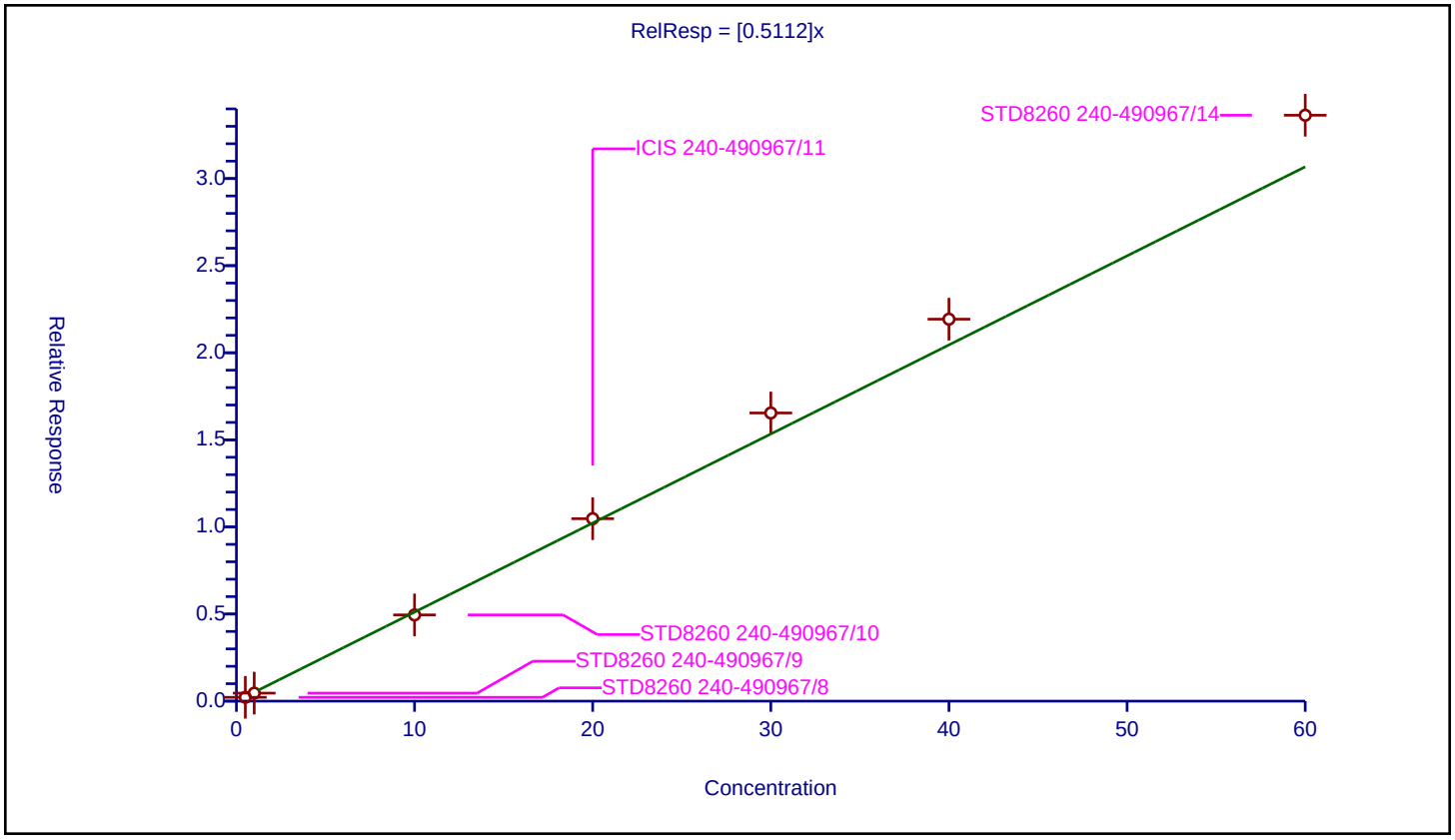
Curve Coefficients

Intercept:	0
Slope:	0.5112

Error Coefficients

Standard Error:	561000
Relative Standard Error:	9.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.220111	20.0	694196.0	0.440221	Y
2	STD8260 240-490967/9	1.0	0.459598	20.0	634120.0	0.459598	Y
3	STD8260 240-490967/10	10.0	4.949426	20.0	644103.0	0.494943	Y
4	ICIS 240-490967/11	20.0	10.475085	20.0	626941.0	0.523754	Y
5	STD8260 240-490967/12	30.0	16.542626	20.0	618209.0	0.551421	Y
6	STD8260 240-490967/13	40.0	21.928684	20.0	618318.0	0.548217	Y
7	STD8260 240-490967/14	60.0	33.634698	20.0	605291.0	0.560578	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

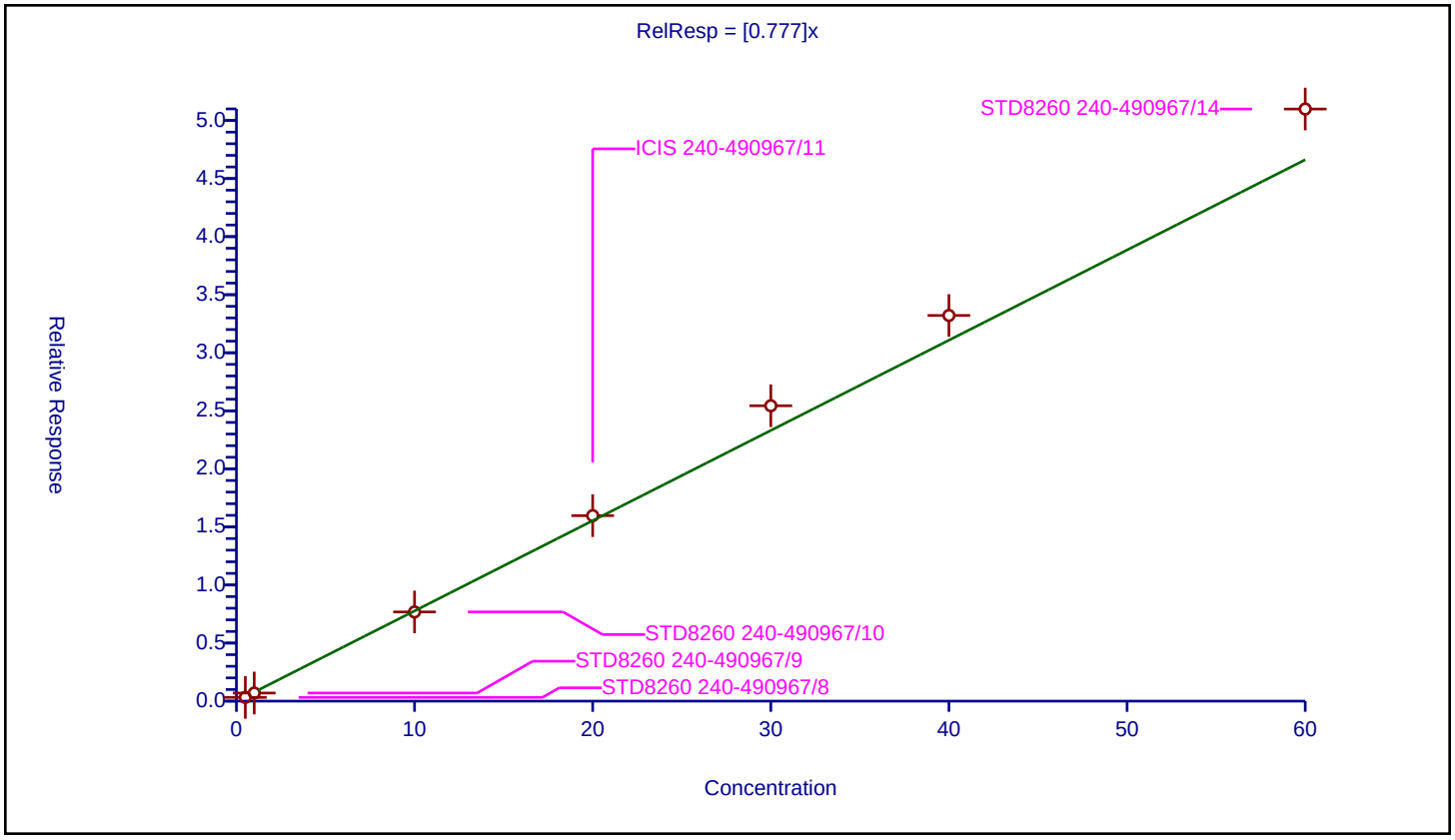
Curve Coefficients

Intercept:	0
Slope:	0.777

Error Coefficients

Standard Error:	853000
Relative Standard Error:	10.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.323223	20.0	694196.0	0.646446	Y
2	STD8260 240-490967/9	1.0	0.69807	20.0	634120.0	0.69807	Y
3	STD8260 240-490967/10	10.0	7.680169	20.0	644103.0	0.768017	Y
4	ICIS 240-490967/11	20.0	15.972189	20.0	626941.0	0.798609	Y
5	STD8260 240-490967/12	30.0	25.436705	20.0	618209.0	0.84789	Y
6	STD8260 240-490967/13	40.0	33.211778	20.0	618318.0	0.830294	Y
7	STD8260 240-490967/14	60.0	50.989161	20.0	605291.0	0.849819	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

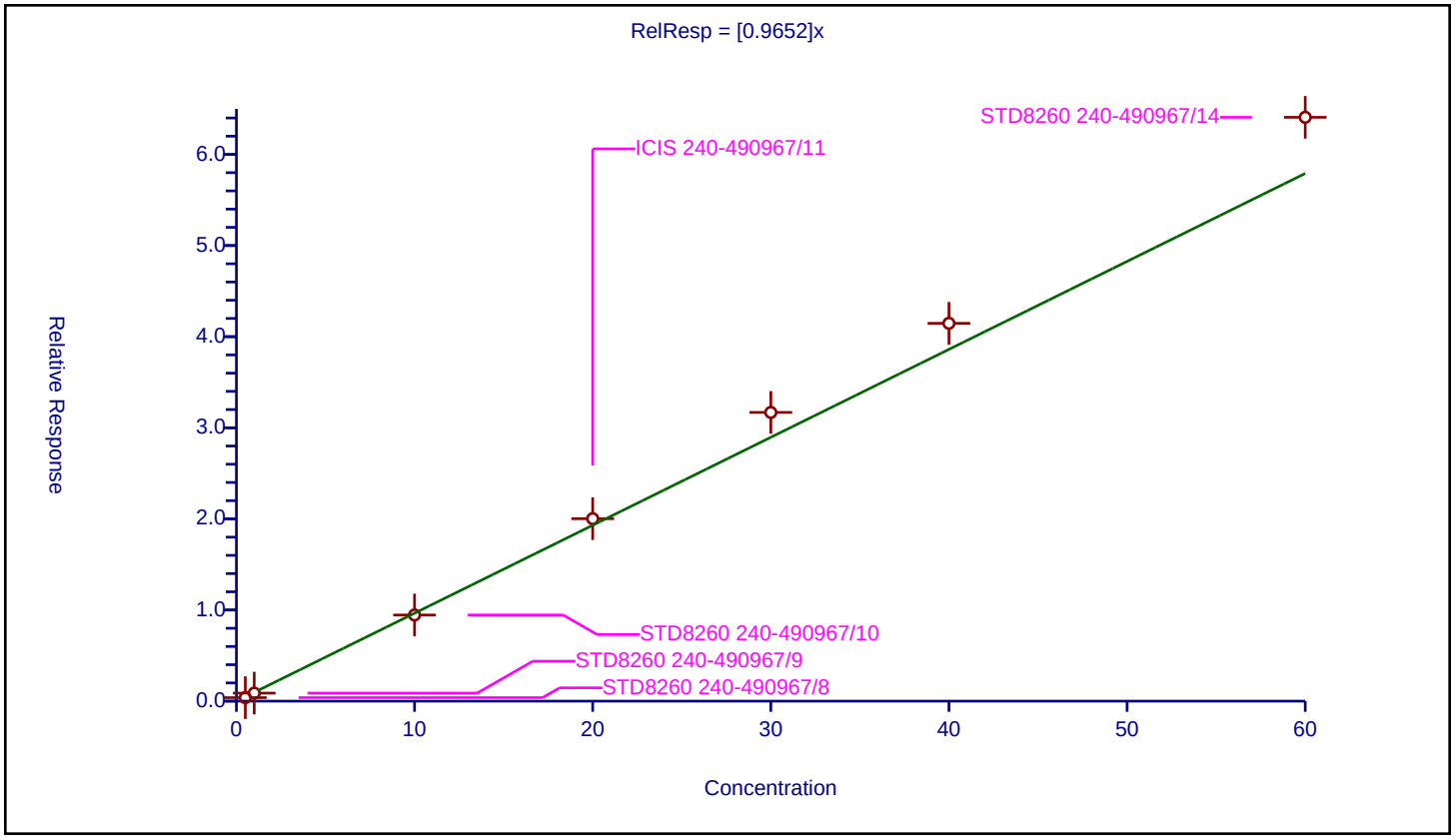
Curve Coefficients

Intercept:	0
Slope:	0.9652

Error Coefficients

Standard Error:	1070000
Relative Standard Error:	11.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.384041	20.0	694196.0	0.768083	Y
2	STD8260 240-490967/9	1.0	0.880874	20.0	634120.0	0.880874	Y
3	STD8260 240-490967/10	10.0	9.454482	20.0	644103.0	0.945448	Y
4	ICIS 240-490967/11	20.0	20.024532	20.0	626941.0	1.001227	Y
5	STD8260 240-490967/12	30.0	31.688054	20.0	618209.0	1.056268	Y
6	STD8260 240-490967/13	40.0	41.466236	20.0	618318.0	1.036656	Y
7	STD8260 240-490967/14	60.0	64.077609	20.0	605291.0	1.06796	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

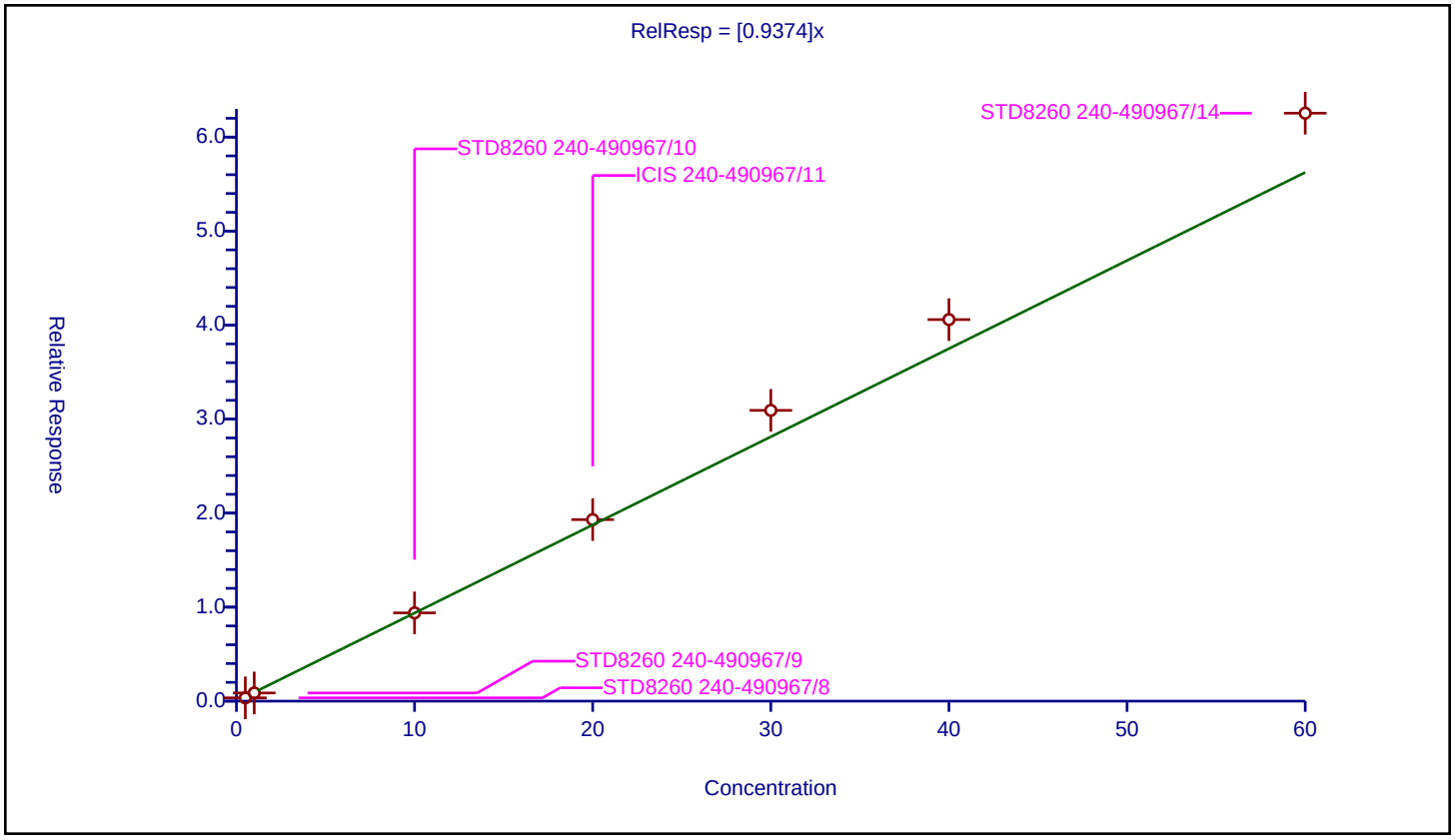
Curve Coefficients

Intercept:	0
Slope:	0.9374

Error Coefficients

Standard Error:	1040000
Relative Standard Error:	12.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.350938	20.0	694196.0	0.701877	Y
2	STD8260 240-490967/9	1.0	0.867754	20.0	634120.0	0.867754	Y
3	STD8260 240-490967/10	10.0	9.388002	20.0	644103.0	0.9388	Y
4	ICIS 240-490967/11	20.0	19.309249	20.0	626941.0	0.965462	Y
5	STD8260 240-490967/12	30.0	30.930122	20.0	618209.0	1.031004	Y
6	STD8260 240-490967/13	40.0	40.588079	20.0	618318.0	1.014702	Y
7	STD8260 240-490967/14	60.0	62.543273	20.0	605291.0	1.042388	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

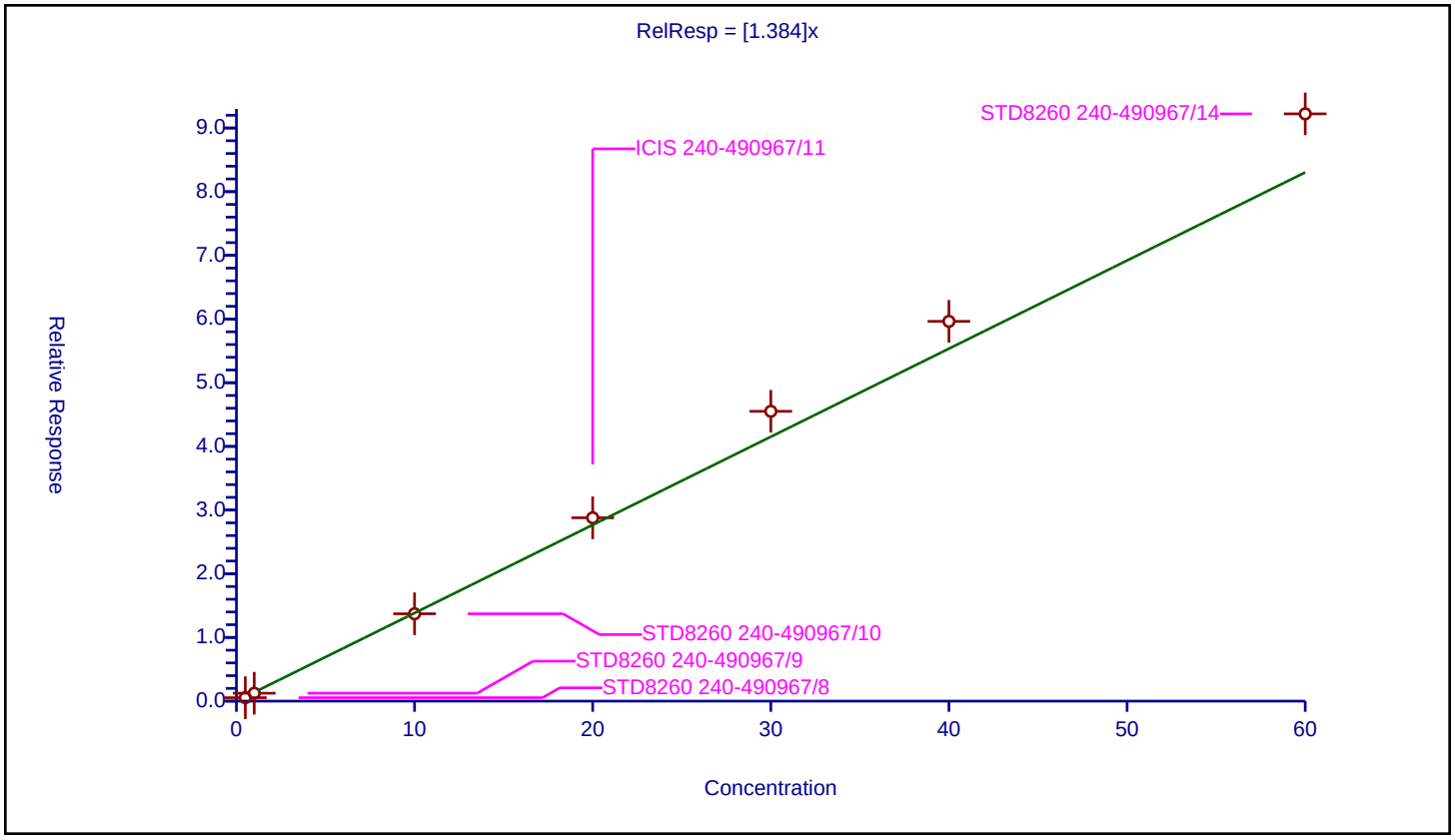
Curve Coefficients

Intercept:	0
Slope:	1.384

Error Coefficients

Standard Error:	1540000
Relative Standard Error:	11.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.543449	20.0	694196.0	1.086898	Y
2	STD8260 240-490967/9	1.0	1.243487	20.0	634120.0	1.243487	Y
3	STD8260 240-490967/10	10.0	13.717371	20.0	644103.0	1.371737	Y
4	ICIS 240-490967/11	20.0	28.792598	20.0	626941.0	1.43963	Y
5	STD8260 240-490967/12	30.0	45.512537	20.0	618209.0	1.517085	Y
6	STD8260 240-490967/13	40.0	59.63708	20.0	618318.0	1.490927	Y
7	STD8260 240-490967/14	60.0	92.220073	20.0	605291.0	1.537001	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

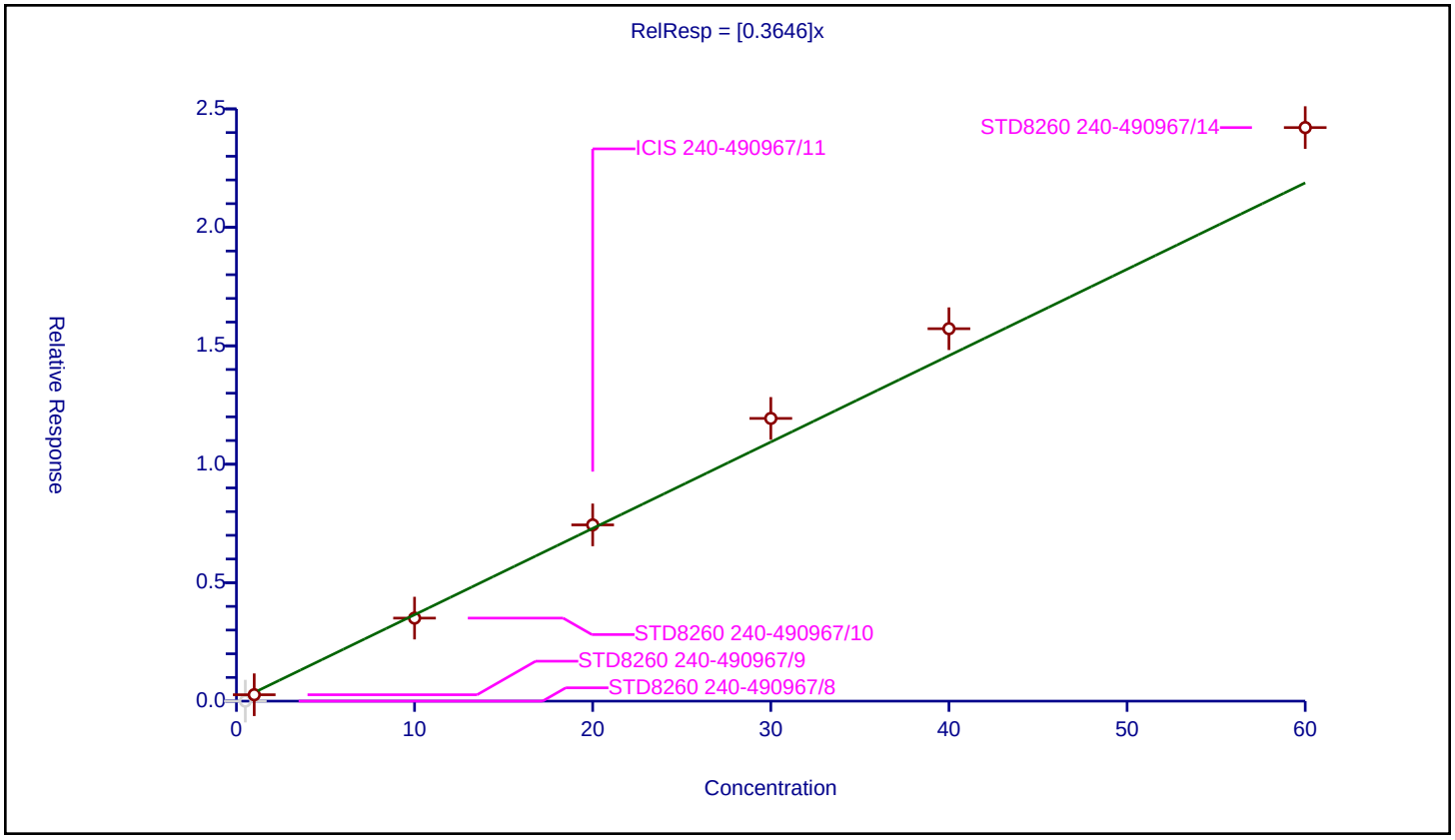
Curve Coefficients

Intercept:	0
Slope:	0.3646

Error Coefficients

Standard Error:	442000
Relative Standard Error:	13.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.0	20.0	694196.0	0.0	N
2	STD8260 240-490967/9	1.0	0.270895	20.0	634120.0	0.270895	Y
3	STD8260 240-490967/10	10.0	3.505154	20.0	644103.0	0.350515	Y
4	ICIS 240-490967/11	20.0	7.43936	20.0	626941.0	0.371968	Y
5	STD8260 240-490967/12	30.0	11.934411	20.0	618209.0	0.397814	Y
6	STD8260 240-490967/13	40.0	15.721457	20.0	618318.0	0.393036	Y
7	STD8260 240-490967/14	60.0	24.210239	20.0	605291.0	0.403504	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

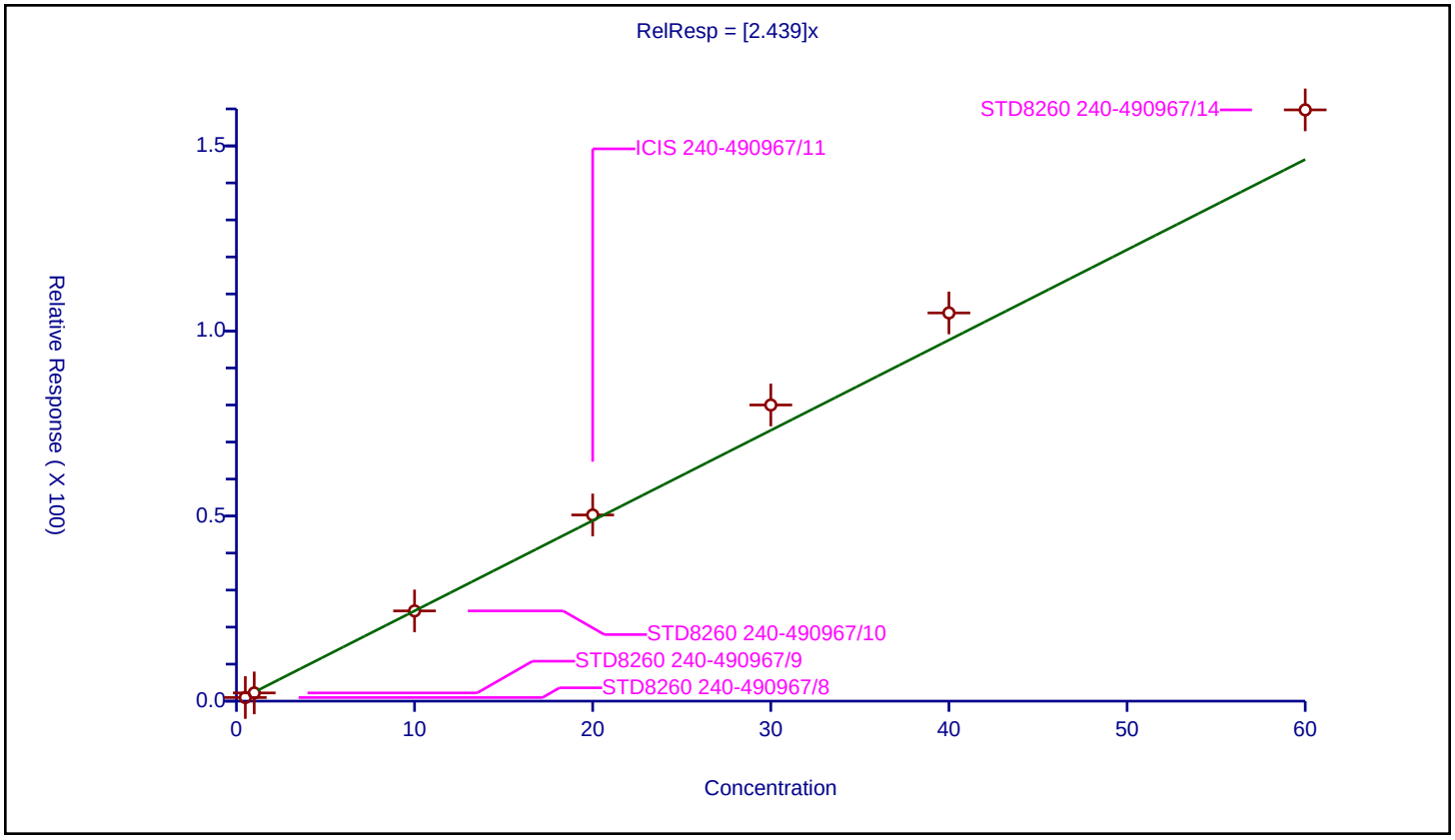
Curve Coefficients

Intercept:	0
Slope:	2.439

Error Coefficients

Standard Error:	2680000
Relative Standard Error:	11.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.973385	20.0	694196.0	1.94677	Y
2	STD8260 240-490967/9	1.0	2.222292	20.0	634120.0	2.222292	Y
3	STD8260 240-490967/10	10.0	24.374549	20.0	644103.0	2.437455	Y
4	ICIS 240-490967/11	20.0	50.296088	20.0	626941.0	2.514804	Y
5	STD8260 240-490967/12	30.0	80.007667	20.0	618209.0	2.666922	Y
6	STD8260 240-490967/13	40.0	104.875776	20.0	618318.0	2.621894	Y
7	STD8260 240-490967/14	60.0	159.735664	20.0	605291.0	2.662261	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

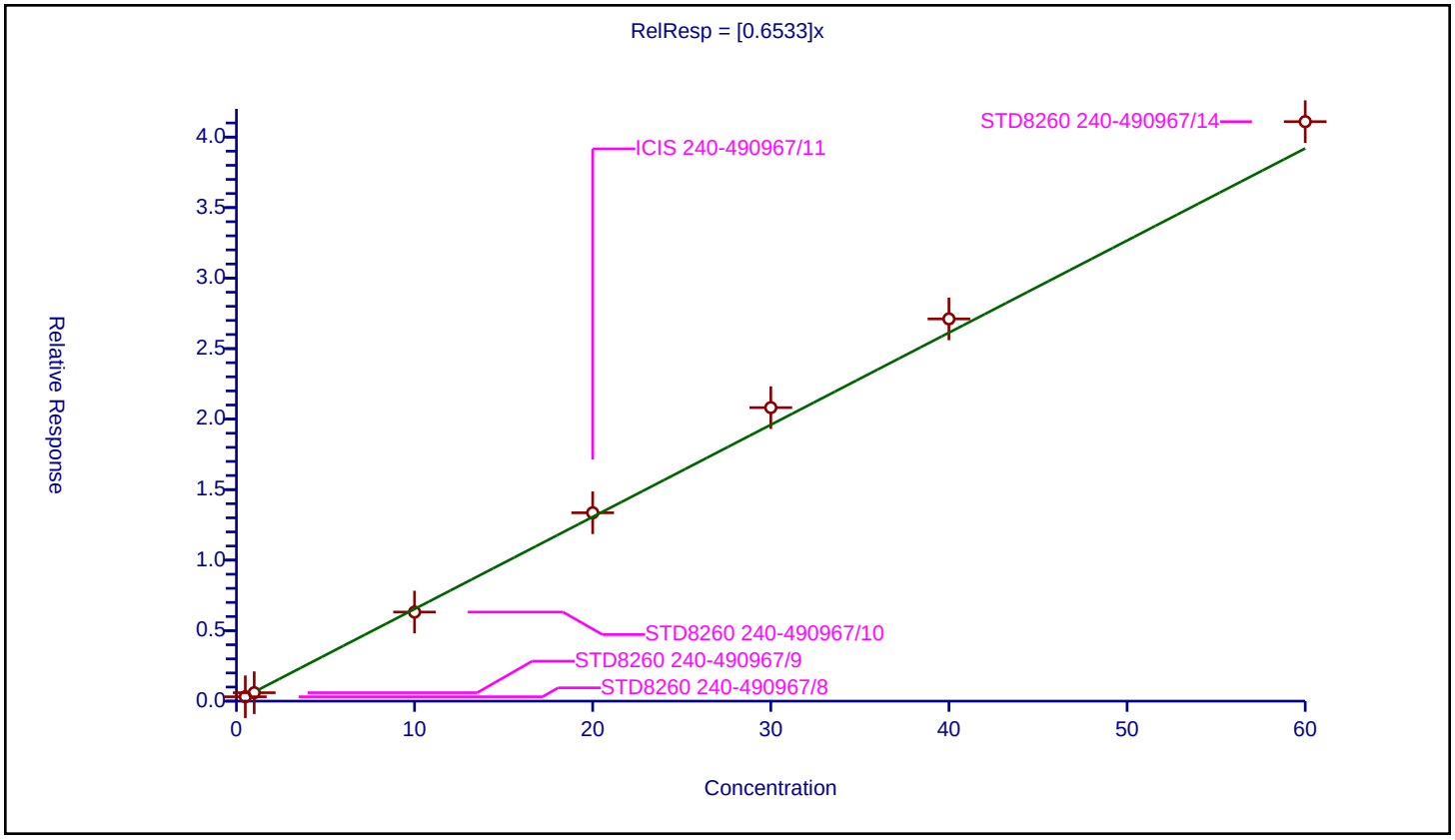
Curve Coefficients

Intercept:	0
Slope:	0.6533

Error Coefficients

Standard Error:	693000
Relative Standard Error:	5.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.309797	20.0	694196.0	0.619594	Y
2	STD8260 240-490967/9	1.0	0.597332	20.0	634120.0	0.597332	Y
3	STD8260 240-490967/10	10.0	6.316629	20.0	644103.0	0.631663	Y
4	ICIS 240-490967/11	20.0	13.35896	20.0	626941.0	0.667948	Y
5	STD8260 240-490967/12	30.0	20.814547	20.0	618209.0	0.693818	Y
6	STD8260 240-490967/13	40.0	27.106473	20.0	618318.0	0.677662	Y
7	STD8260 240-490967/14	60.0	41.095837	20.0	605291.0	0.684931	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

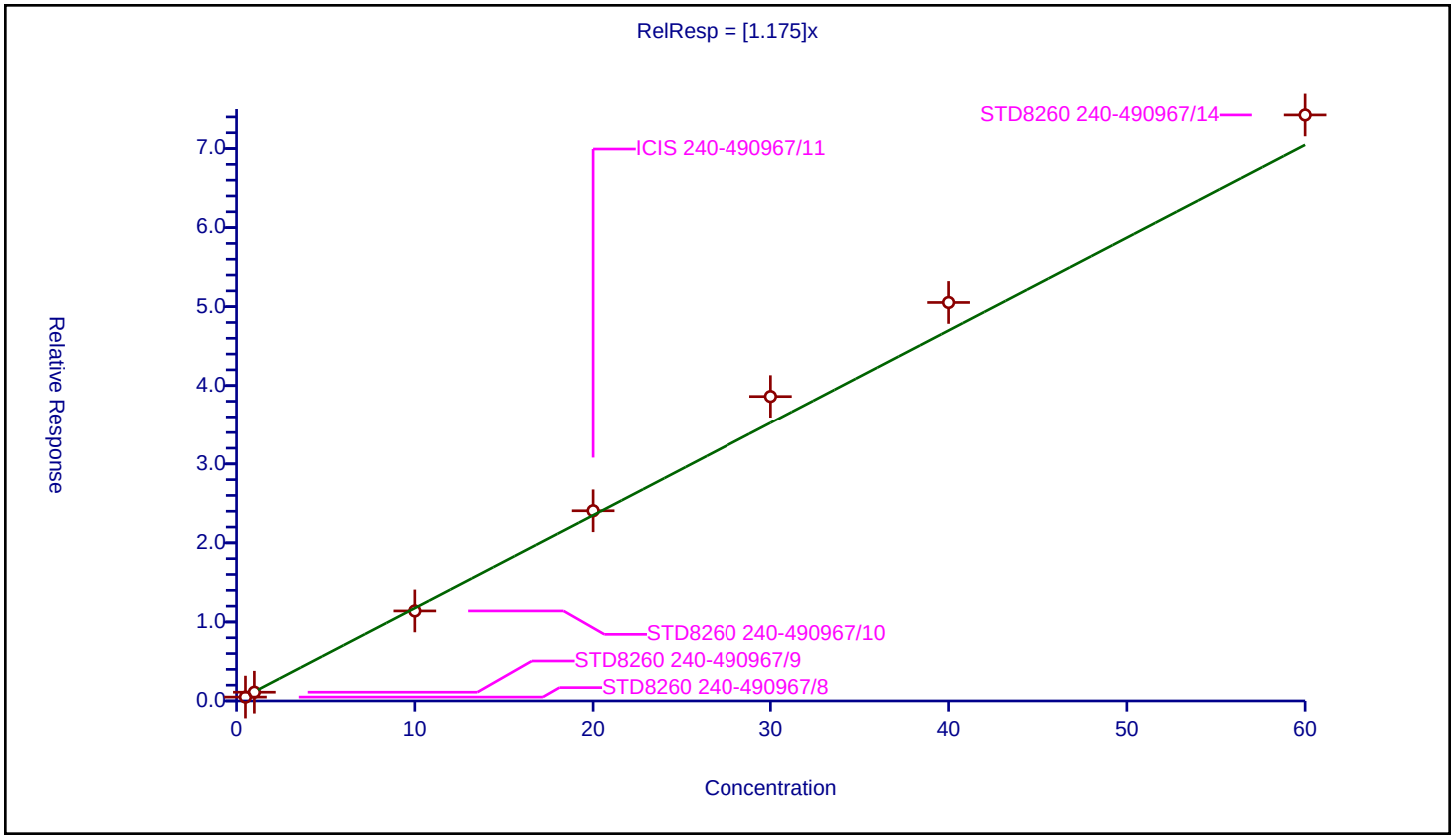
Curve Coefficients

Intercept:	0
Slope:	1.175

Error Coefficients

Standard Error:	702000
Relative Standard Error:	9.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.491135	20.0	362792.0	0.982271	Y
2	STD8260 240-490967/9	1.0	1.109441	20.0	331356.0	1.109441	Y
3	STD8260 240-490967/10	10.0	11.390723	20.0	351781.0	1.139072	Y
4	ICIS 240-490967/11	20.0	24.05959	20.0	339724.0	1.202979	Y
5	STD8260 240-490967/12	30.0	38.614762	20.0	335307.0	1.287159	Y
6	STD8260 240-490967/13	40.0	50.534563	20.0	337472.0	1.263364	Y
7	STD8260 240-490967/14	60.0	74.253983	20.0	341440.0	1.237566	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

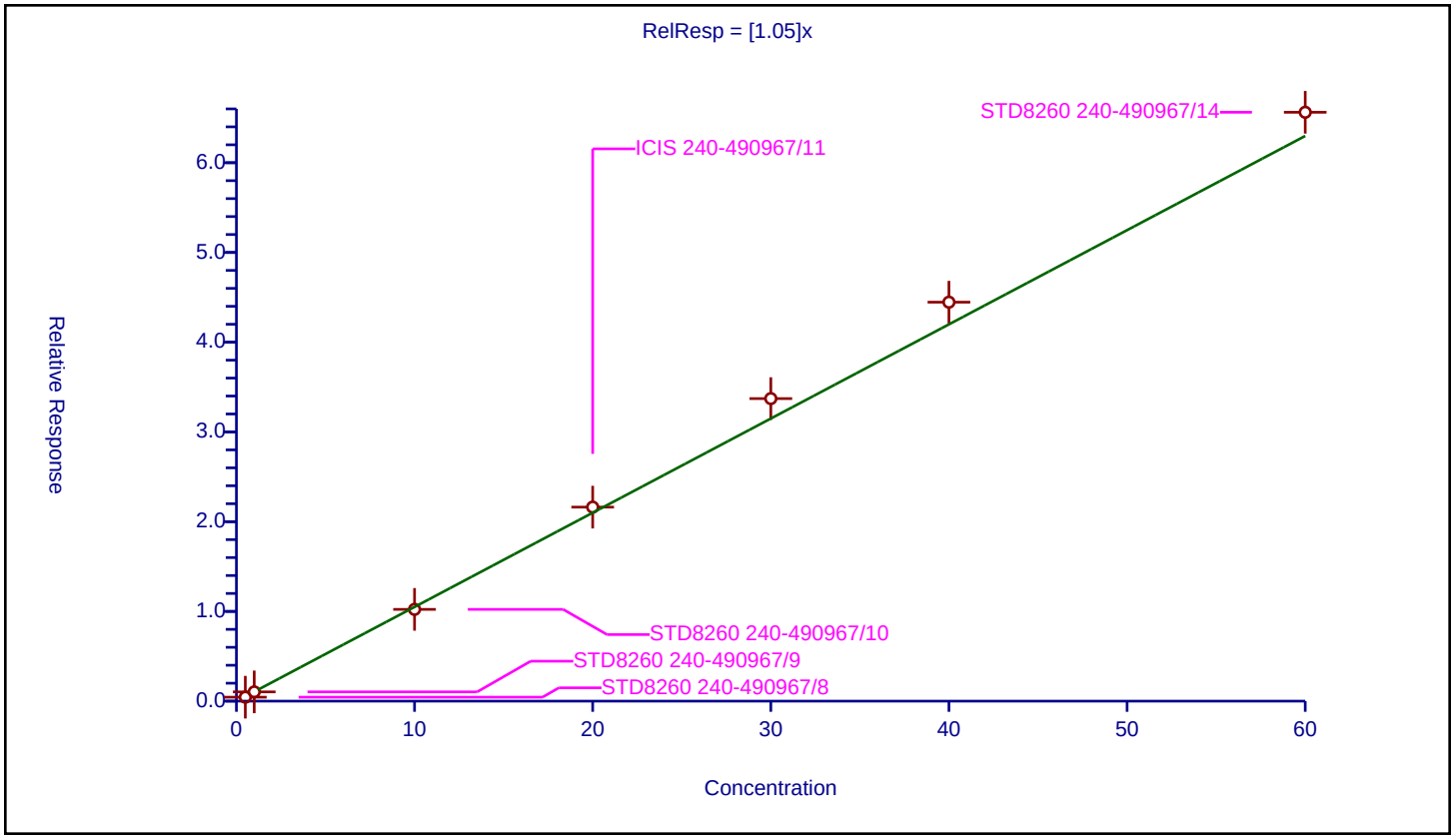
Curve Coefficients

Intercept:	0
Slope:	1.05

Error Coefficients

Standard Error:	620000
Relative Standard Error:	7.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.44163	20.0	362792.0	0.883261	Y
2	STD8260 240-490967/9	1.0	1.032002	20.0	331356.0	1.032002	Y
3	STD8260 240-490967/10	10.0	10.225623	20.0	351781.0	1.022562	Y
4	ICIS 240-490967/11	20.0	21.621552	20.0	339724.0	1.081078	Y
5	STD8260 240-490967/12	30.0	33.716862	20.0	335307.0	1.123895	Y
6	STD8260 240-490967/13	40.0	44.459866	20.0	337472.0	1.111497	Y
7	STD8260 240-490967/14	60.0	65.623828	20.0	341440.0	1.09373	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

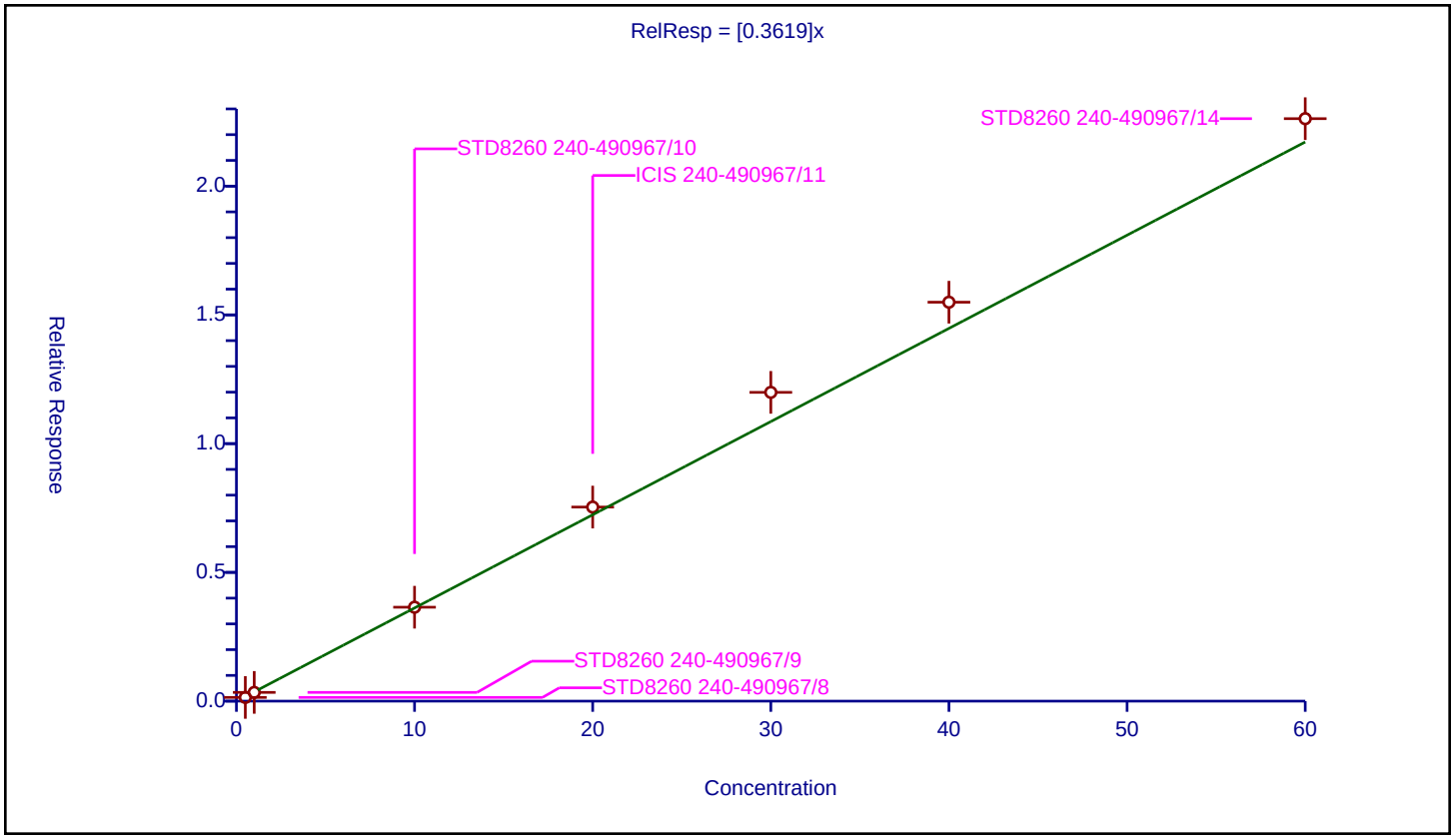
Curve Coefficients

Intercept:	0
Slope:	0.3619

Error Coefficients

Standard Error:	215000
Relative Standard Error:	10.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.14416	20.0	362792.0	0.288319	Y
2	STD8260 240-490967/9	1.0	0.339393	20.0	331356.0	0.339393	Y
3	STD8260 240-490967/10	10.0	3.647497	20.0	351781.0	0.36475	Y
4	ICIS 240-490967/11	20.0	7.53653	20.0	339724.0	0.376826	Y
5	STD8260 240-490967/12	30.0	11.991876	20.0	335307.0	0.399729	Y
6	STD8260 240-490967/13	40.0	15.493196	20.0	337472.0	0.38733	Y
7	STD8260 240-490967/14	60.0	22.620021	20.0	341440.0	0.377	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

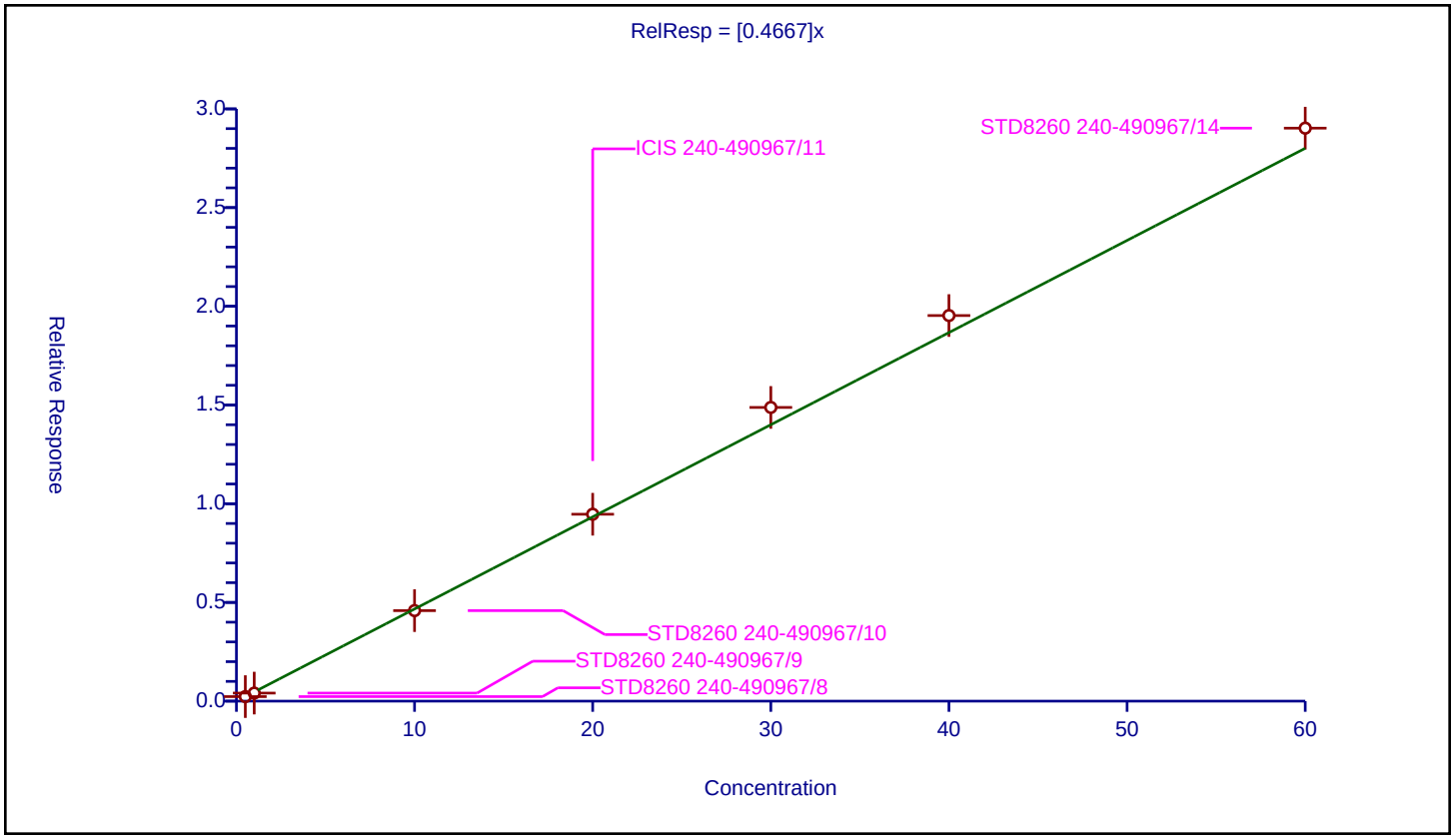
Curve Coefficients

Intercept:	0
Slope:	0.4667

Error Coefficients

Standard Error:	273000
Relative Standard Error:	6.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.229498	20.0	362792.0	0.458996	Y
2	STD8260 240-490967/9	1.0	0.408383	20.0	331356.0	0.408383	Y
3	STD8260 240-490967/10	10.0	4.585239	20.0	351781.0	0.458524	Y
4	ICIS 240-490967/11	20.0	9.46692	20.0	339724.0	0.473346	Y
5	STD8260 240-490967/12	30.0	14.877172	20.0	335307.0	0.495906	Y
6	STD8260 240-490967/13	40.0	19.531457	20.0	337472.0	0.488286	Y
7	STD8260 240-490967/14	60.0	29.024895	20.0	341440.0	0.483748	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

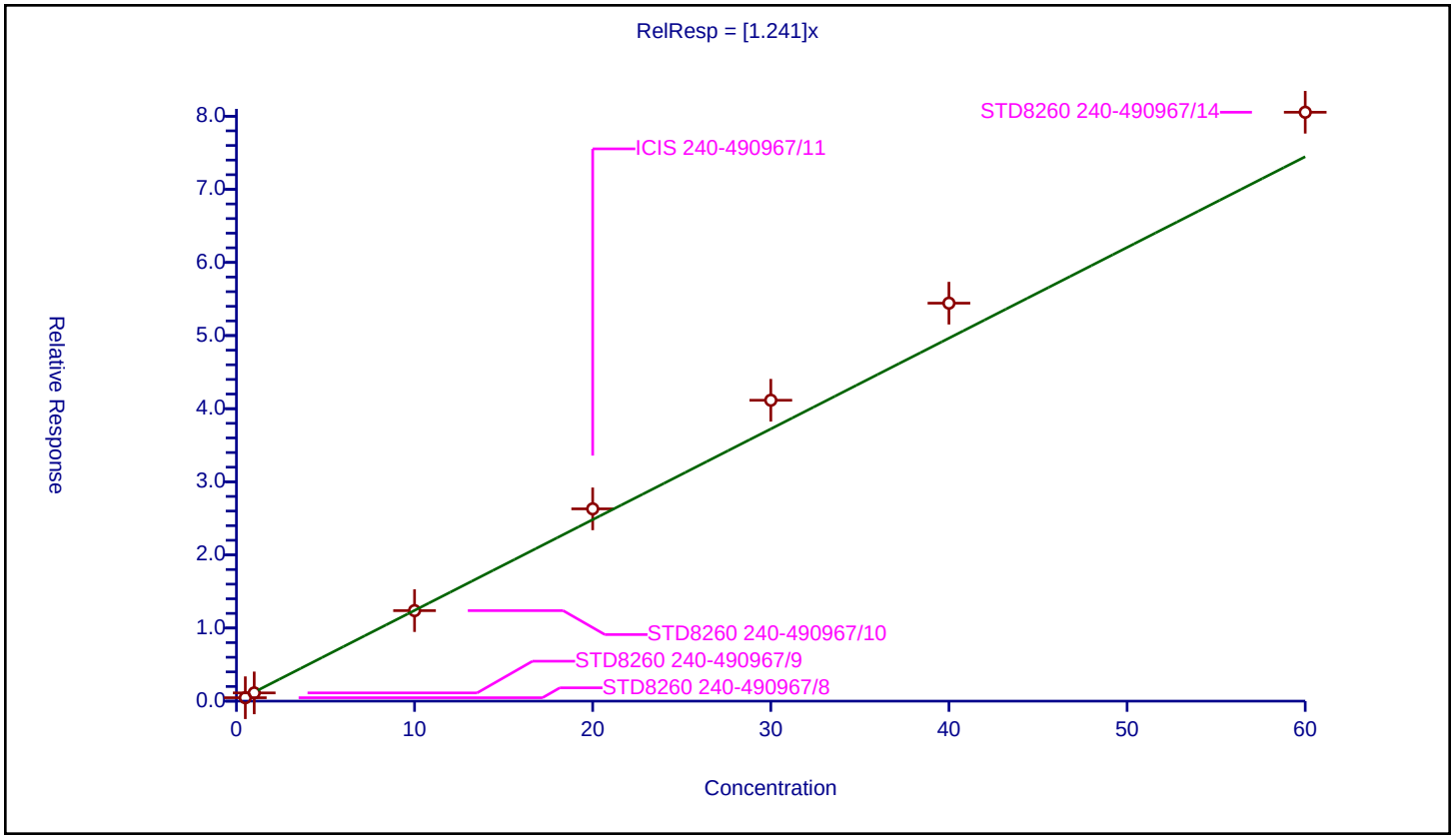
Curve Coefficients

Intercept:	0
Slope:	1.241

Error Coefficients

Standard Error:	759000
Relative Standard Error:	12.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.466714	20.0	362792.0	0.933427	Y
2	STD8260 240-490967/9	1.0	1.126341	20.0	331356.0	1.126341	Y
3	STD8260 240-490967/10	10.0	12.378099	20.0	351781.0	1.23781	Y
4	ICIS 240-490967/11	20.0	26.297524	20.0	339724.0	1.314876	Y
5	STD8260 240-490967/12	30.0	41.154584	20.0	335307.0	1.371819	Y
6	STD8260 240-490967/13	40.0	54.430175	20.0	337472.0	1.360754	Y
7	STD8260 240-490967/14	60.0	80.539773	20.0	341440.0	1.34233	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

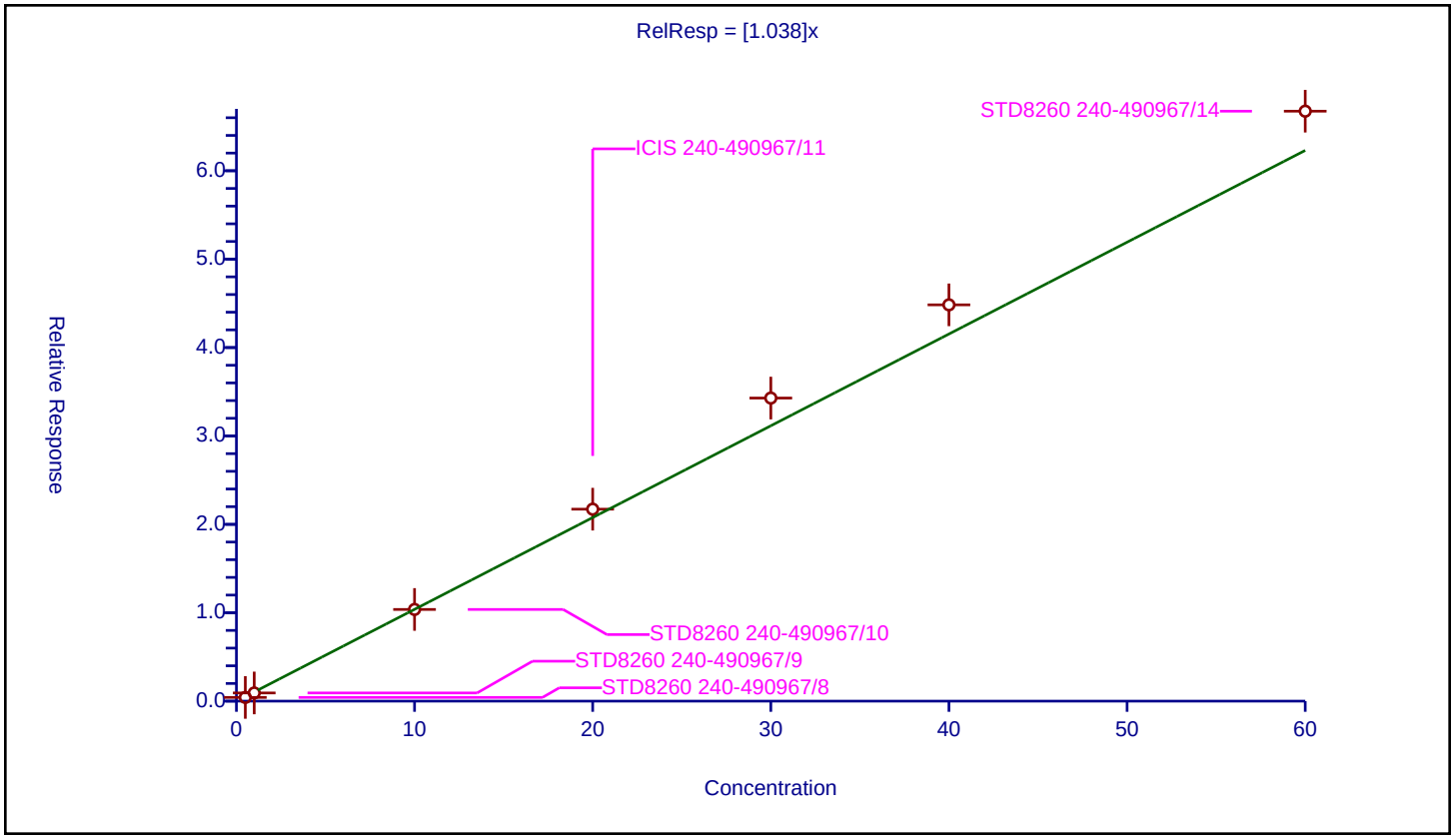
Curve Coefficients

Intercept:	0
Slope:	1.038

Error Coefficients

Standard Error:	629000
Relative Standard Error:	10.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.421123	20.0	362792.0	0.842246	Y
2	STD8260 240-490967/9	1.0	0.9271	20.0	331356.0	0.9271	Y
3	STD8260 240-490967/10	10.0	10.371623	20.0	351781.0	1.037162	Y
4	ICIS 240-490967/11	20.0	21.716217	20.0	339724.0	1.085811	Y
5	STD8260 240-490967/12	30.0	34.288339	20.0	335307.0	1.142945	Y
6	STD8260 240-490967/13	40.0	44.833942	20.0	337472.0	1.120849	Y
7	STD8260 240-490967/14	60.0	66.741507	20.0	341440.0	1.112358	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

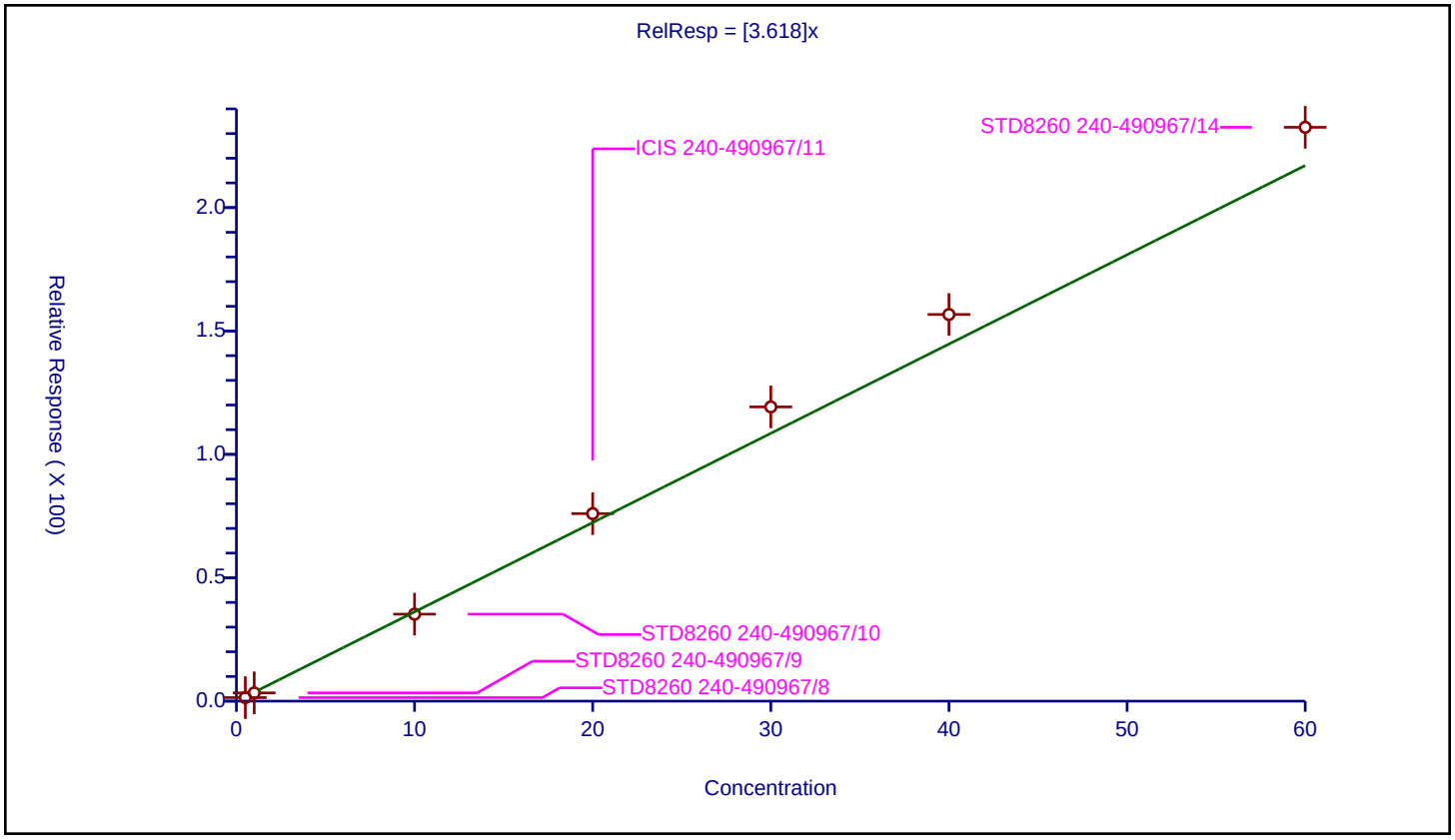
Curve Coefficients

Intercept:	0
Slope:	3.618

Error Coefficients

Standard Error:	2190000
Relative Standard Error:	10.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	1.441983	20.0	362792.0	2.883967	Y
2	STD8260 240-490967/9	1.0	3.348483	20.0	331356.0	3.348483	Y
3	STD8260 240-490967/10	10.0	35.241301	20.0	351781.0	3.52413	Y
4	ICIS 240-490967/11	20.0	75.986036	20.0	339724.0	3.799302	Y
5	STD8260 240-490967/12	30.0	119.238847	20.0	335307.0	3.974628	Y
6	STD8260 240-490967/13	40.0	156.691281	20.0	337472.0	3.917282	Y
7	STD8260 240-490967/14	60.0	232.54481	20.0	341440.0	3.875747	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

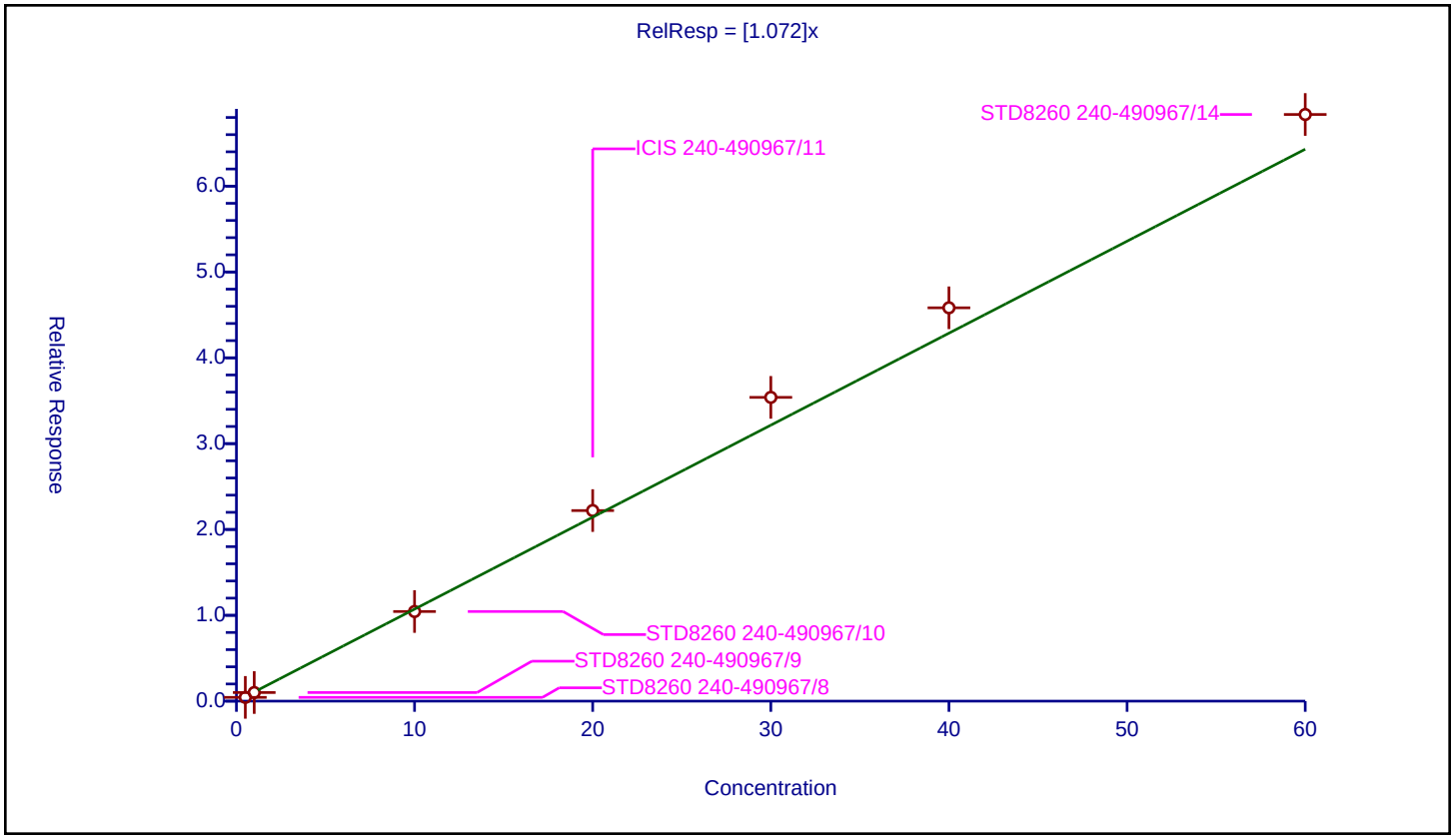
Curve Coefficients

Intercept:	0
Slope:	1.072

Error Coefficients

Standard Error:	644000
Relative Standard Error:	9.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.439866	20.0	362792.0	0.879733	Y
2	STD8260 240-490967/9	1.0	1.003573	20.0	331356.0	1.003573	Y
3	STD8260 240-490967/10	10.0	10.44161	20.0	351781.0	1.044161	Y
4	ICIS 240-490967/11	20.0	22.203259	20.0	339724.0	1.110163	Y
5	STD8260 240-490967/12	30.0	35.390672	20.0	335307.0	1.179689	Y
6	STD8260 240-490967/13	40.0	45.826024	20.0	337472.0	1.145651	Y
7	STD8260 240-490967/14	60.0	68.349168	20.0	341440.0	1.139153	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

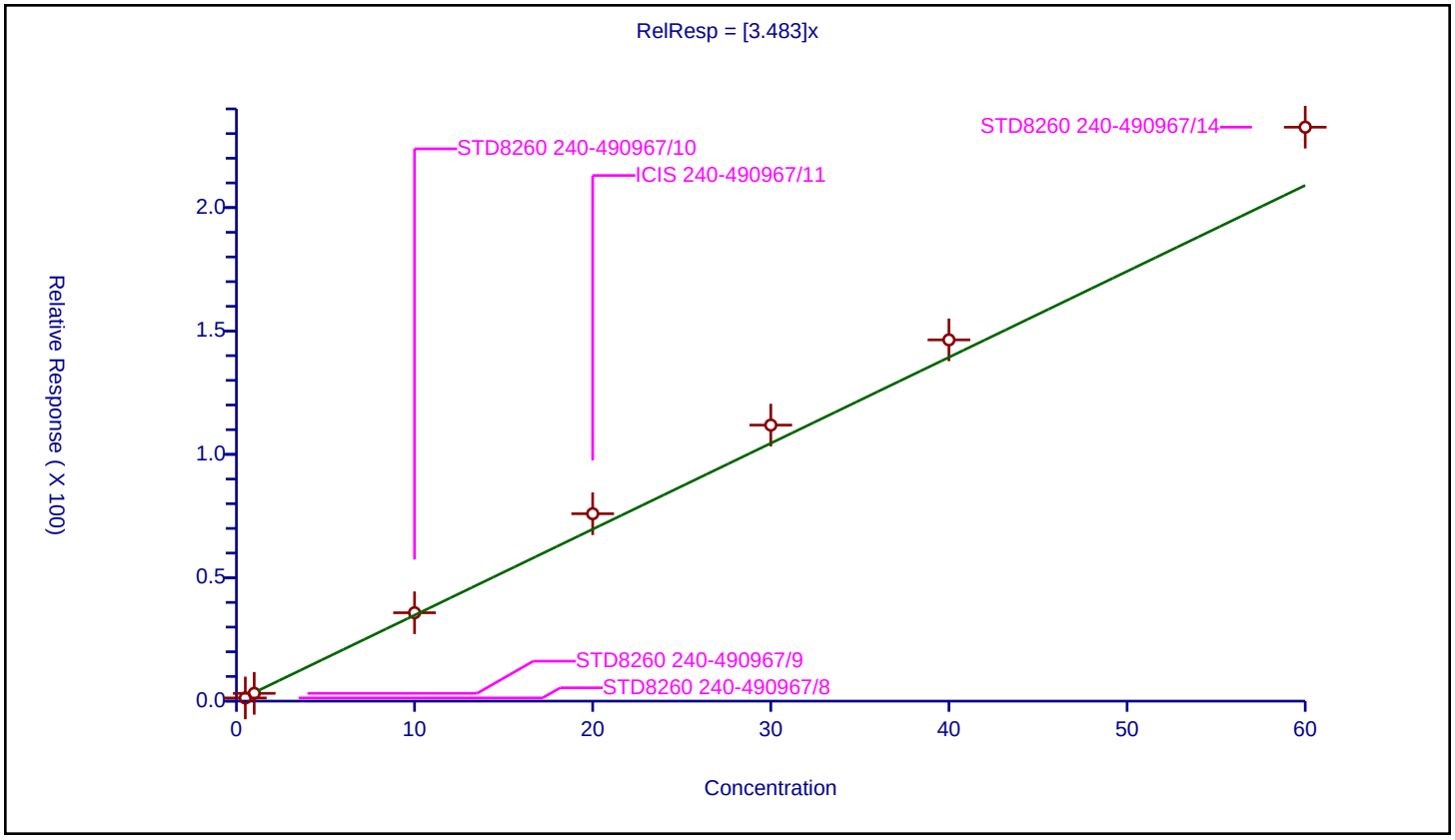
Curve Coefficients

Intercept:	0
Slope:	3.483

Error Coefficients

Standard Error:	2140000
Relative Standard Error:	13.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	1.28972	20.0	362792.0	2.579439	Y
2	STD8260 240-490967/9	1.0	3.160166	20.0	331356.0	3.160166	Y
3	STD8260 240-490967/10	10.0	35.821093	20.0	351781.0	3.582109	Y
4	ICIS 240-490967/11	20.0	75.949948	20.0	339724.0	3.797497	Y
5	STD8260 240-490967/12	30.0	111.862562	20.0	335307.0	3.728752	Y
6	STD8260 240-490967/13	40.0	146.397923	20.0	337472.0	3.659948	Y
7	STD8260 240-490967/14	60.0	232.584231	20.0	341440.0	3.876404	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

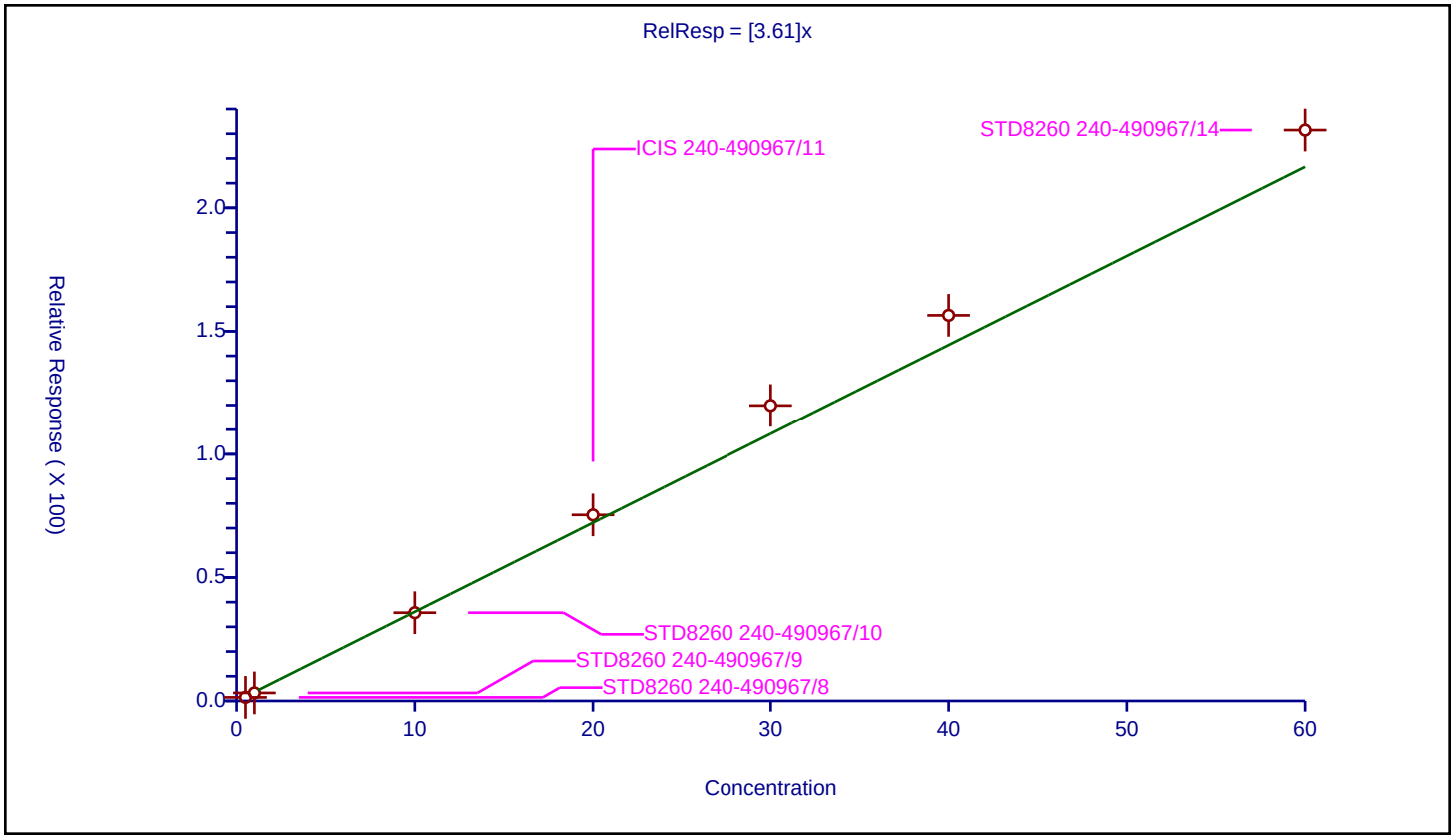
Curve Coefficients

Intercept:	0
Slope:	3.61

Error Coefficients

Standard Error:	2190000
Relative Standard Error:	11.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	1.453946	20.0	362792.0	2.907892	Y
2	STD8260 240-490967/9	1.0	3.256679	20.0	331356.0	3.256679	Y
3	STD8260 240-490967/10	10.0	35.734164	20.0	351781.0	3.573416	Y
4	ICIS 240-490967/11	20.0	75.373656	20.0	339724.0	3.768683	Y
5	STD8260 240-490967/12	30.0	119.84808	20.0	335307.0	3.994936	Y
6	STD8260 240-490967/13	40.0	156.463588	20.0	337472.0	3.91159	Y
7	STD8260 240-490967/14	60.0	231.484009	20.0	341440.0	3.858067	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

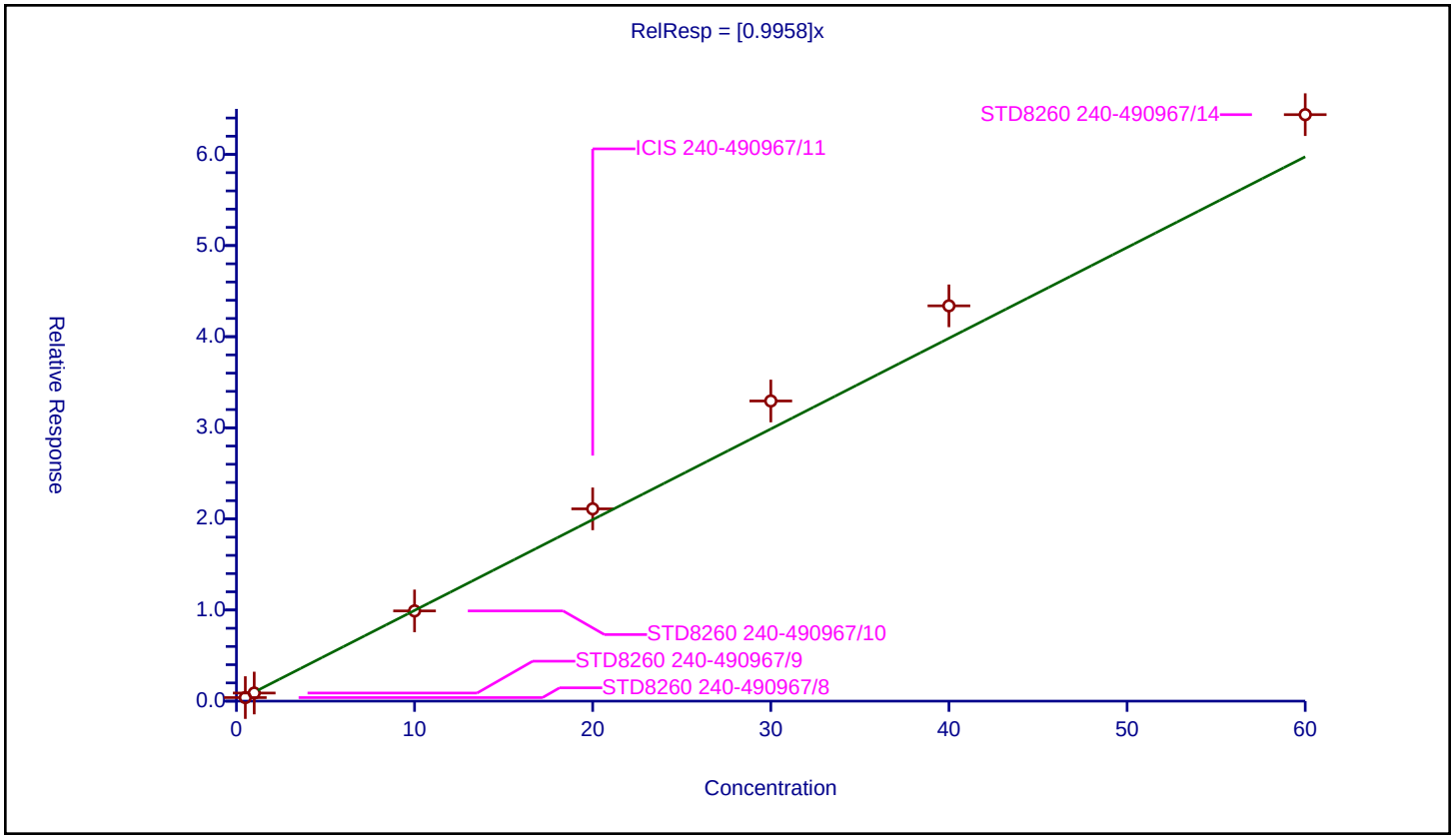
Curve Coefficients

Intercept:	0
Slope:	0.9958

Error Coefficients

Standard Error:	607000
Relative Standard Error:	12.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.389204	20.0	362792.0	0.778407	Y
2	STD8260 240-490967/9	1.0	0.890945	20.0	331356.0	0.890945	Y
3	STD8260 240-490967/10	10.0	9.902809	20.0	351781.0	0.990281	Y
4	ICIS 240-490967/11	20.0	21.103484	20.0	339724.0	1.055174	Y
5	STD8260 240-490967/12	30.0	32.942527	20.0	335307.0	1.098084	Y
6	STD8260 240-490967/13	40.0	43.387718	20.0	337472.0	1.084693	Y
7	STD8260 240-490967/14	60.0	64.368557	20.0	341440.0	1.072809	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

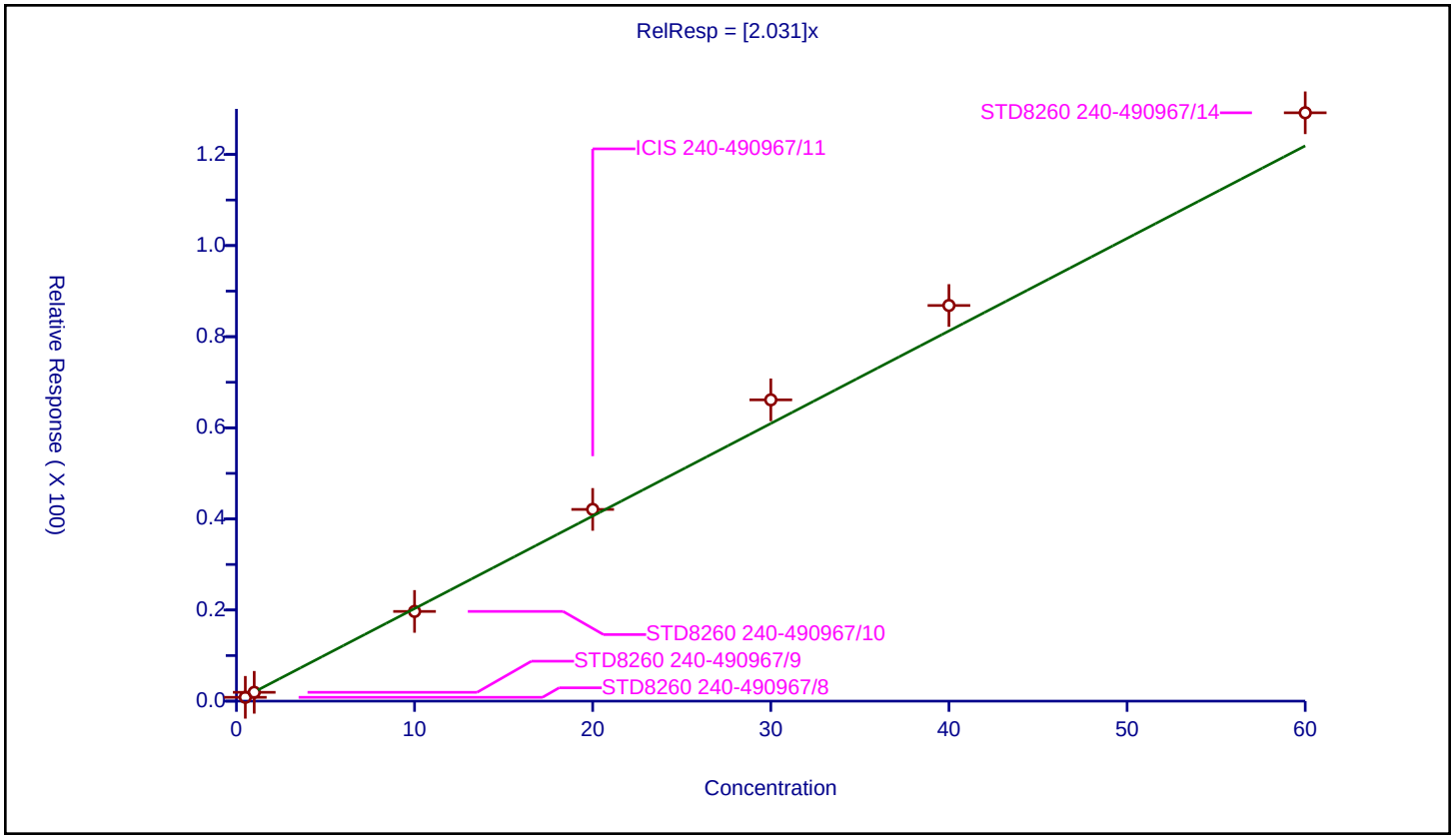
Curve Coefficients

Intercept:	0
Slope:	2.031

Error Coefficients

Standard Error:	1220000
Relative Standard Error:	9.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.839048	20.0	362792.0	1.678097	Y
2	STD8260 240-490967/9	1.0	1.940873	20.0	331356.0	1.940873	Y
3	STD8260 240-490967/10	10.0	19.690205	20.0	351781.0	1.96902	Y
4	ICIS 240-490967/11	20.0	42.082102	20.0	339724.0	2.104105	Y
5	STD8260 240-490967/12	30.0	66.138196	20.0	335307.0	2.204607	Y
6	STD8260 240-490967/13	40.0	86.846375	20.0	337472.0	2.171159	Y
7	STD8260 240-490967/14	60.0	129.147727	20.0	341440.0	2.152462	Y



Calibration / 4-Isopropyltoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

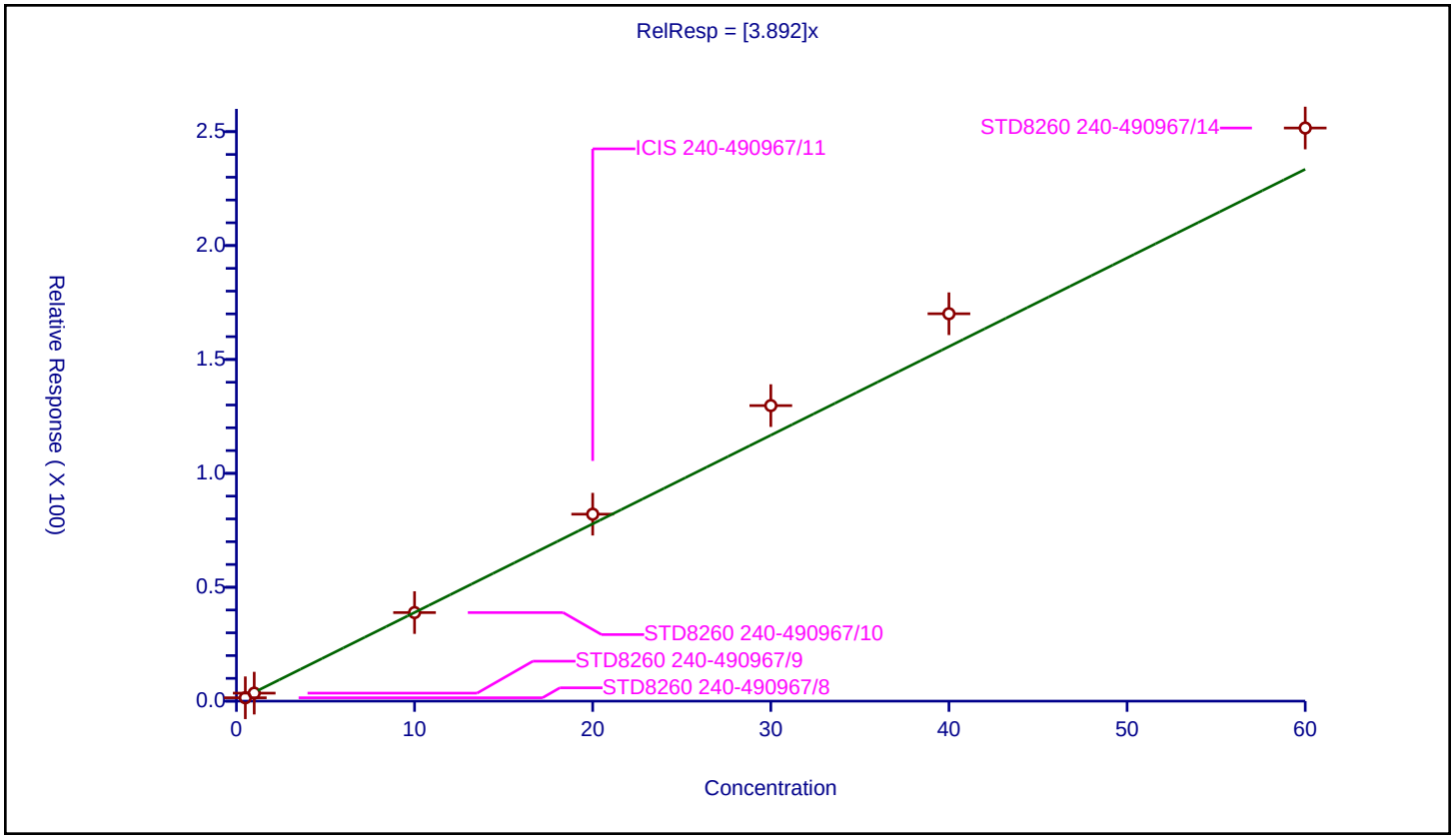
Curve Coefficients

Intercept:	0
Slope:	3.892

Error Coefficients

Standard Error:	2370000
Relative Standard Error:	12.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	1.483109	20.0	362792.0	2.966218	Y
2	STD8260 240-490967/9	1.0	3.512838	20.0	331356.0	3.512838	Y
3	STD8260 240-490967/10	10.0	38.879246	20.0	351781.0	3.887925	Y
4	ICIS 240-490967/11	20.0	82.072565	20.0	339724.0	4.103628	Y
5	STD8260 240-490967/12	30.0	129.740685	20.0	335307.0	4.32469	Y
6	STD8260 240-490967/13	40.0	170.078644	20.0	337472.0	4.251966	Y
7	STD8260 240-490967/14	60.0	251.605143	20.0	341440.0	4.193419	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

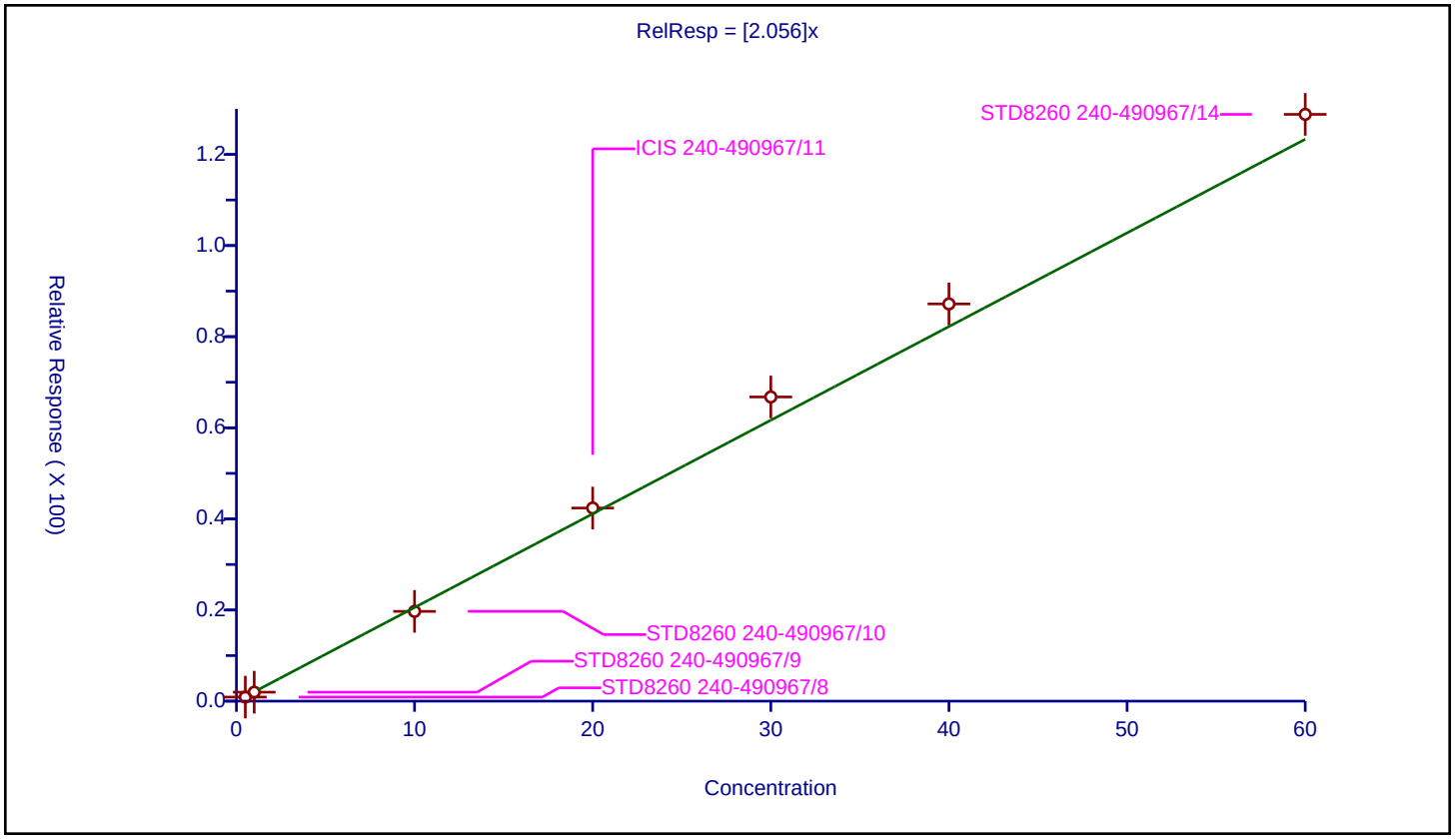
Curve Coefficients

Intercept:	0
Slope:	2.056

Error Coefficients

Standard Error:	1220000
Relative Standard Error:	7.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.890538	20.0	362792.0	1.781076	Y
2	STD8260 240-490967/9	1.0	1.965922	20.0	331356.0	1.965922	Y
3	STD8260 240-490967/10	10.0	19.705214	20.0	351781.0	1.970521	Y
4	ICIS 240-490967/11	20.0	42.388586	20.0	339724.0	2.119429	Y
5	STD8260 240-490967/12	30.0	66.76908	20.0	335307.0	2.225636	Y
6	STD8260 240-490967/13	40.0	87.185248	20.0	337472.0	2.179631	Y
7	STD8260 240-490967/14	60.0	128.796216	20.0	341440.0	2.146604	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

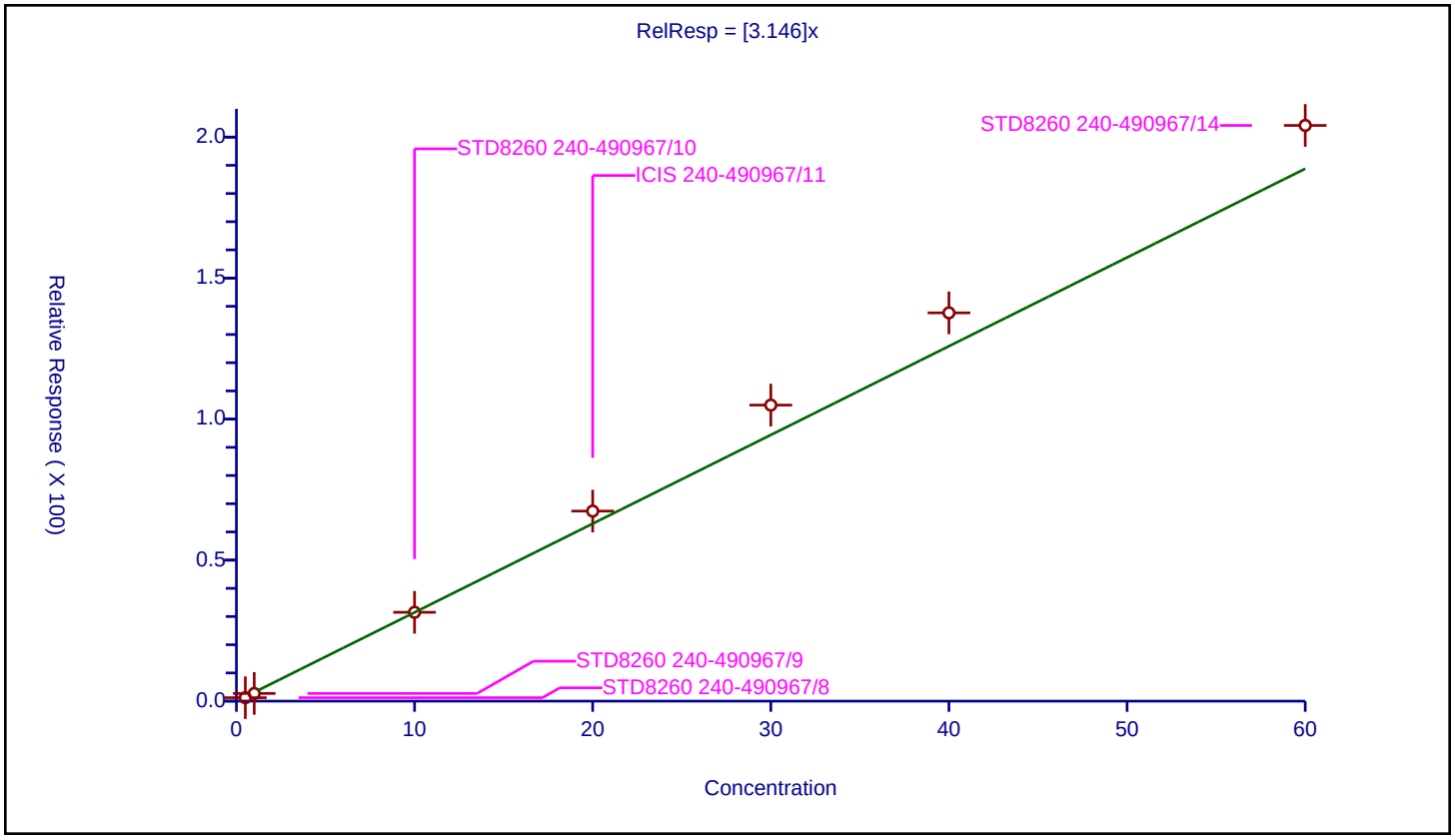
Curve Coefficients

Intercept:	0
Slope:	3.146

Error Coefficients

Standard Error:	1930000
Relative Standard Error:	13.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	1.219432	20.0	362792.0	2.438863	Y
2	STD8260 240-490967/9	1.0	2.723898	20.0	331356.0	2.723898	Y
3	STD8260 240-490967/10	10.0	31.49829	20.0	351781.0	3.149829	Y
4	ICIS 240-490967/11	20.0	67.383111	20.0	339724.0	3.369156	Y
5	STD8260 240-490967/12	30.0	104.970132	20.0	335307.0	3.499004	Y
6	STD8260 240-490967/13	40.0	137.676667	20.0	337472.0	3.441917	Y
7	STD8260 240-490967/14	60.0	204.138882	20.0	341440.0	3.402315	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

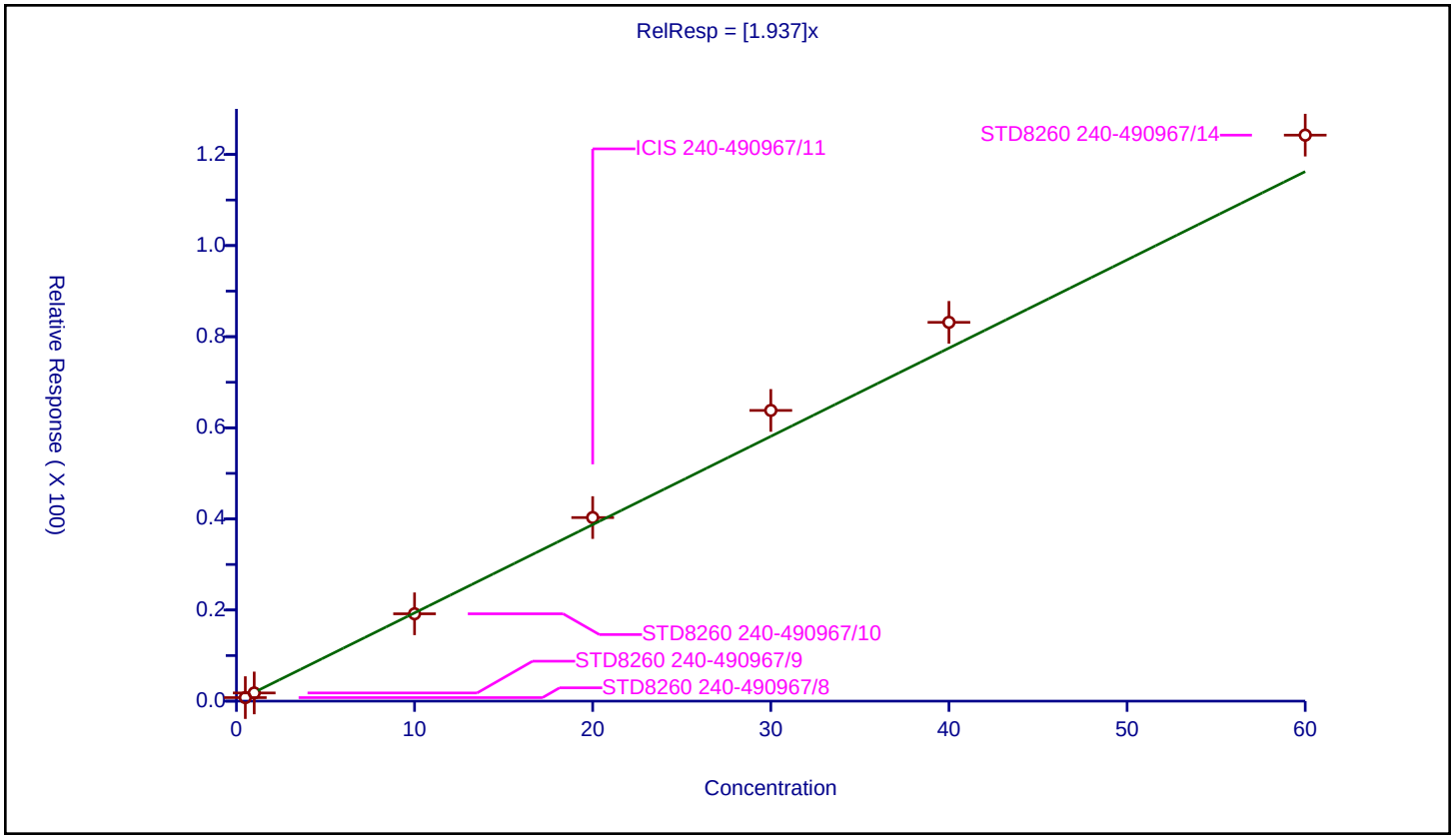
Curve Coefficients

Intercept:	0
Slope:	1.937

Error Coefficients

Standard Error:	1170000
Relative Standard Error:	10.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.776147	20.0	362792.0	1.552294	Y
2	STD8260 240-490967/9	1.0	1.80036	20.0	331356.0	1.80036	Y
3	STD8260 240-490967/10	10.0	19.171473	20.0	351781.0	1.917147	Y
4	ICIS 240-490967/11	20.0	40.296711	20.0	339724.0	2.014836	Y
5	STD8260 240-490967/12	30.0	63.814236	20.0	335307.0	2.127141	Y
6	STD8260 240-490967/13	40.0	83.150898	20.0	337472.0	2.078772	Y
7	STD8260 240-490967/14	60.0	124.240921	20.0	341440.0	2.070682	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

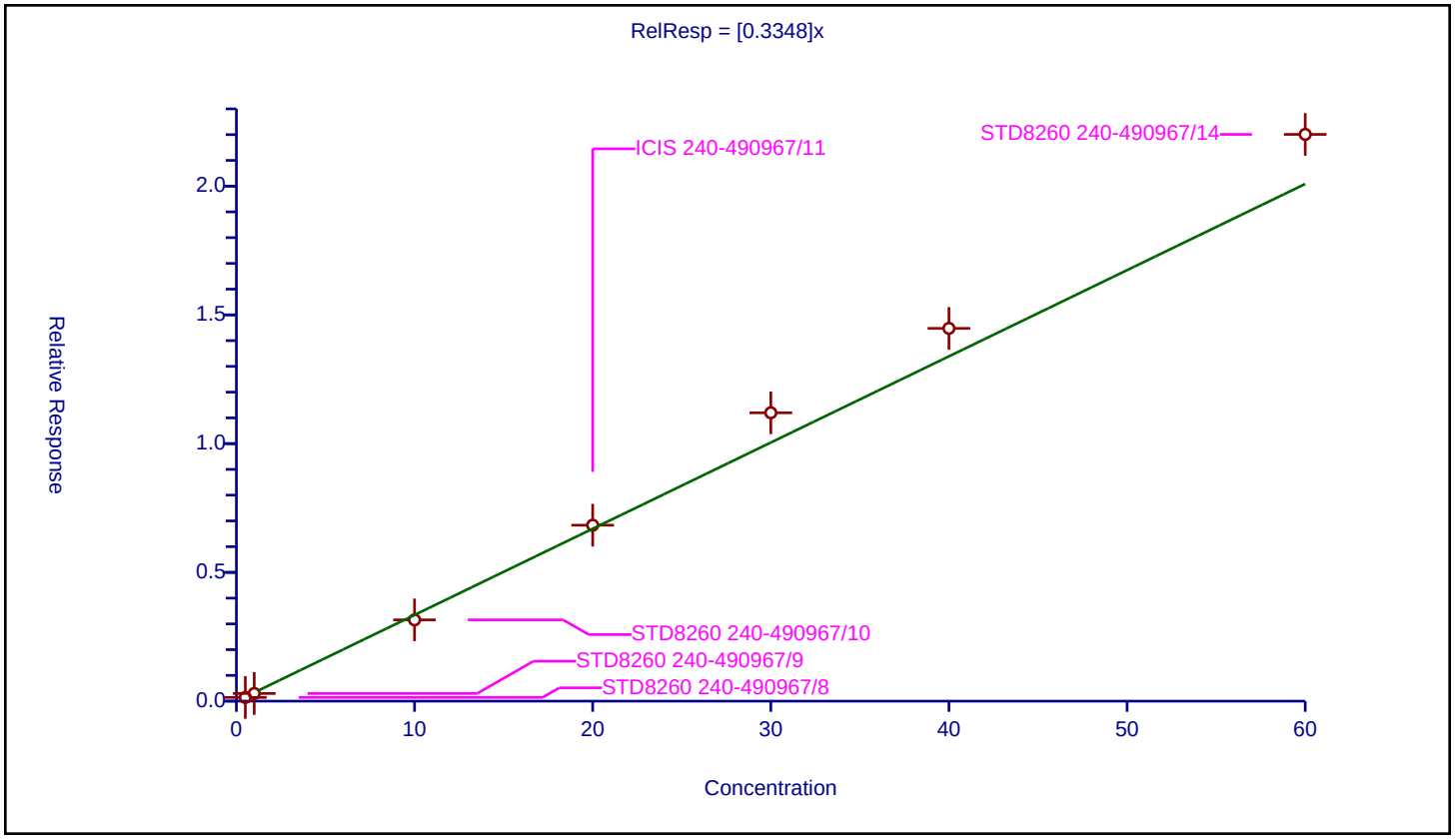
Curve Coefficients

Intercept:	0
Slope:	0.3348

Error Coefficients

Standard Error:	205000
Relative Standard Error:	10.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.143333	20.0	362792.0	0.286666	Y
2	STD8260 240-490967/9	1.0	0.297263	20.0	331356.0	0.297263	Y
3	STD8260 240-490967/10	10.0	3.156737	20.0	351781.0	0.315674	Y
4	ICIS 240-490967/11	20.0	6.833076	20.0	339724.0	0.341654	Y
5	STD8260 240-490967/12	30.0	11.198633	20.0	335307.0	0.373288	Y
6	STD8260 240-490967/13	40.0	14.475571	20.0	337472.0	0.361889	Y
7	STD8260 240-490967/14	60.0	22.009196	20.0	341440.0	0.36682	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

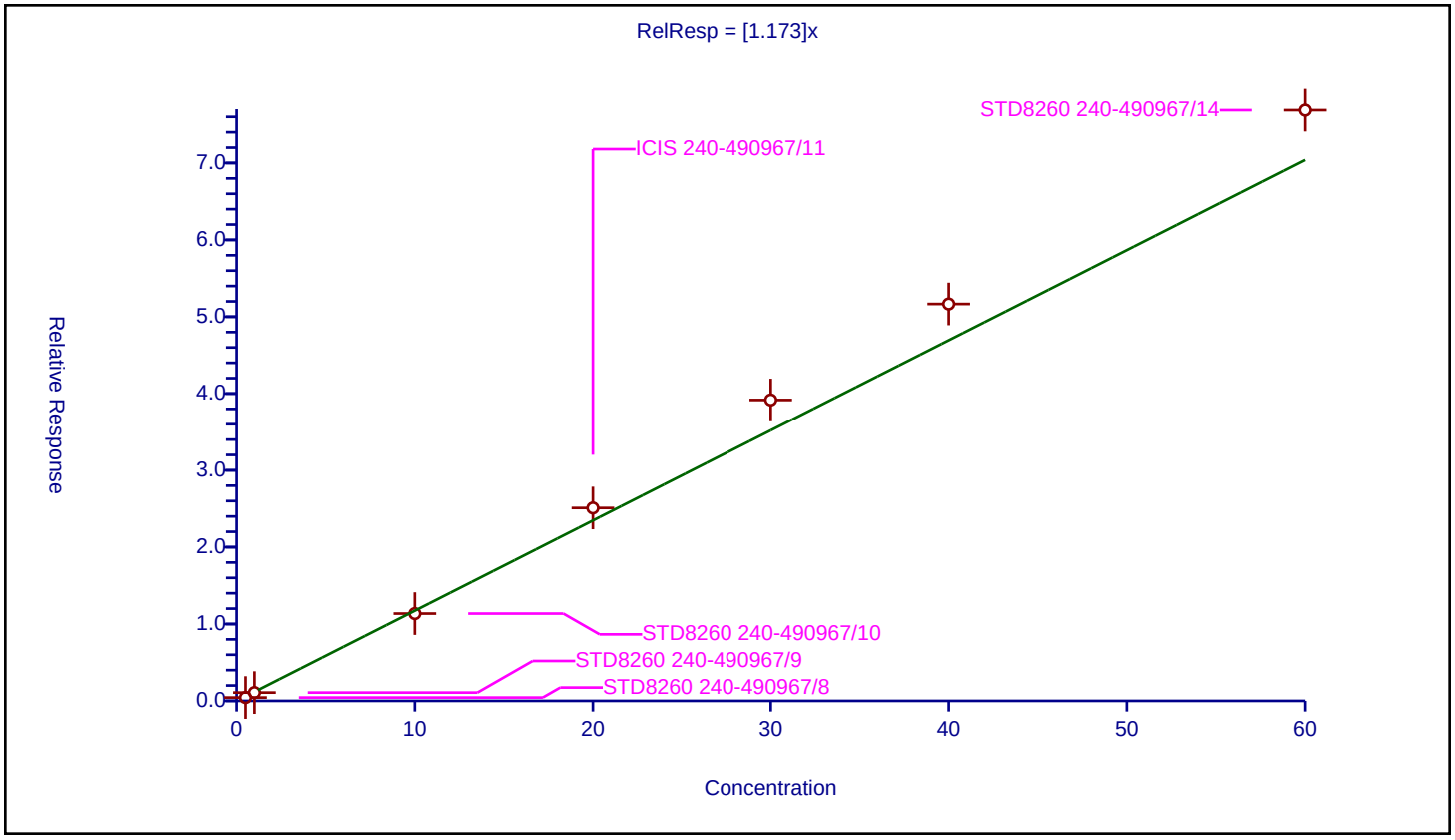
Curve Coefficients

Intercept:	0
Slope:	1.173

Error Coefficients

Standard Error:	723000
Relative Standard Error:	13.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.433306	20.0	362792.0	0.866612	Y
2	STD8260 240-490967/9	1.0	1.077995	20.0	331356.0	1.077995	Y
3	STD8260 240-490967/10	10.0	11.354564	20.0	351781.0	1.135456	Y
4	ICIS 240-490967/11	20.0	25.099551	20.0	339724.0	1.254978	Y
5	STD8260 240-490967/12	30.0	39.163394	20.0	335307.0	1.305446	Y
6	STD8260 240-490967/13	40.0	51.663427	20.0	337472.0	1.291586	Y
7	STD8260 240-490967/14	60.0	76.875879	20.0	341440.0	1.281265	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

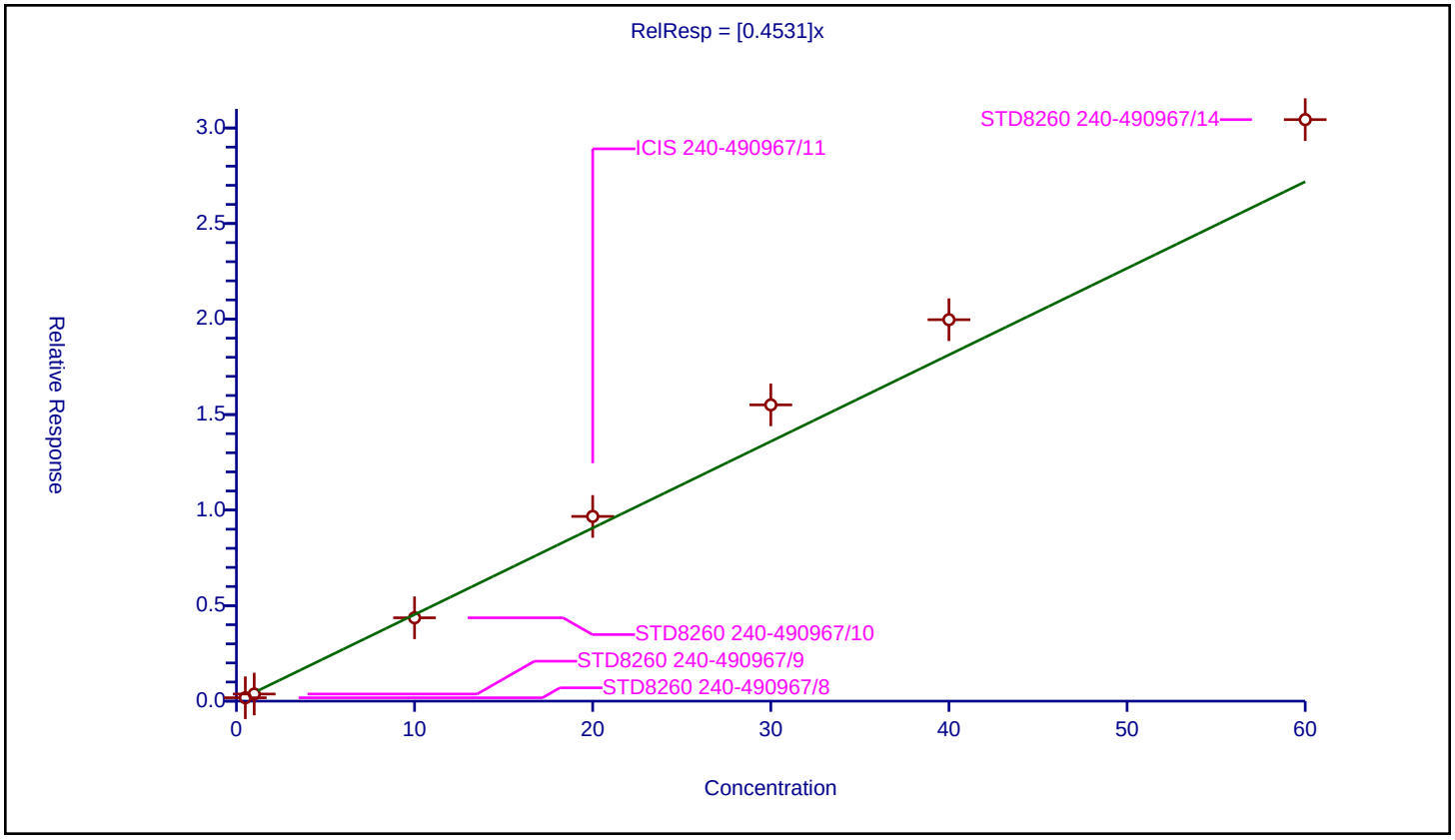
Curve Coefficients

Intercept:	0
Slope:	0.4531

Error Coefficients

Standard Error:	284000
Relative Standard Error:	14.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.178174	20.0	362792.0	0.356347	Y
2	STD8260 240-490967/9	1.0	0.37253	20.0	331356.0	0.37253	Y
3	STD8260 240-490967/10	10.0	4.362828	20.0	351781.0	0.436283	Y
4	ICIS 240-490967/11	20.0	9.668672	20.0	339724.0	0.483434	Y
5	STD8260 240-490967/12	30.0	15.507341	20.0	335307.0	0.516911	Y
6	STD8260 240-490967/13	40.0	19.965153	20.0	337472.0	0.499129	Y
7	STD8260 240-490967/14	60.0	30.438261	20.0	341440.0	0.507304	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

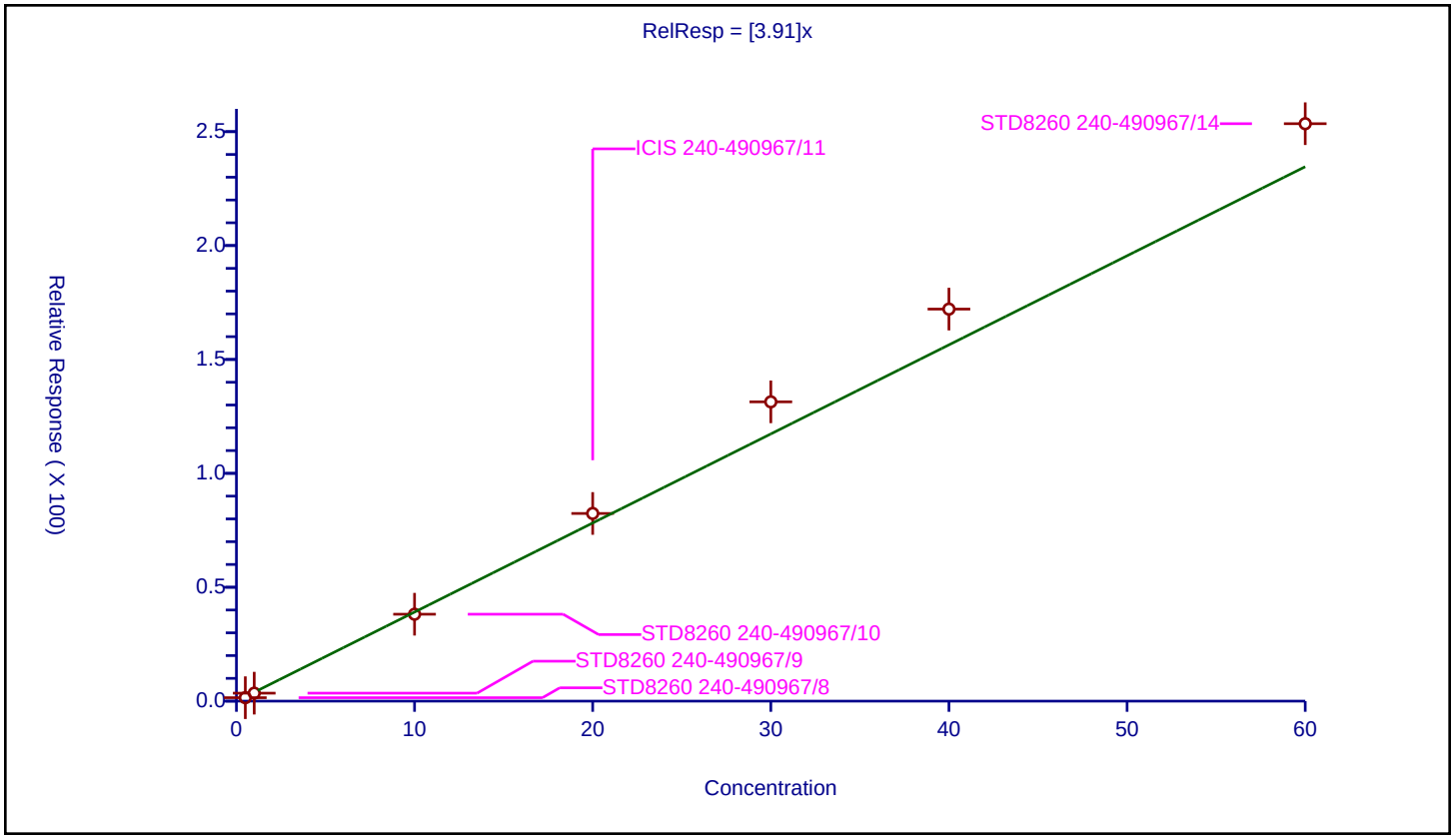
Curve Coefficients

Intercept:	0
Slope:	3.91

Error Coefficients

Standard Error:	2400000
Relative Standard Error:	12.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	1.514973	20.0	362792.0	3.029946	Y
2	STD8260 240-490967/9	1.0	3.49968	20.0	331356.0	3.49968	Y
3	STD8260 240-490967/10	10.0	38.152942	20.0	351781.0	3.815294	Y
4	ICIS 240-490967/11	20.0	82.396063	20.0	339724.0	4.119803	Y
5	STD8260 240-490967/12	30.0	131.392485	20.0	335307.0	4.37975	Y
6	STD8260 240-490967/13	40.0	172.108797	20.0	337472.0	4.30272	Y
7	STD8260 240-490967/14	60.0	253.497013	20.0	341440.0	4.22495	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

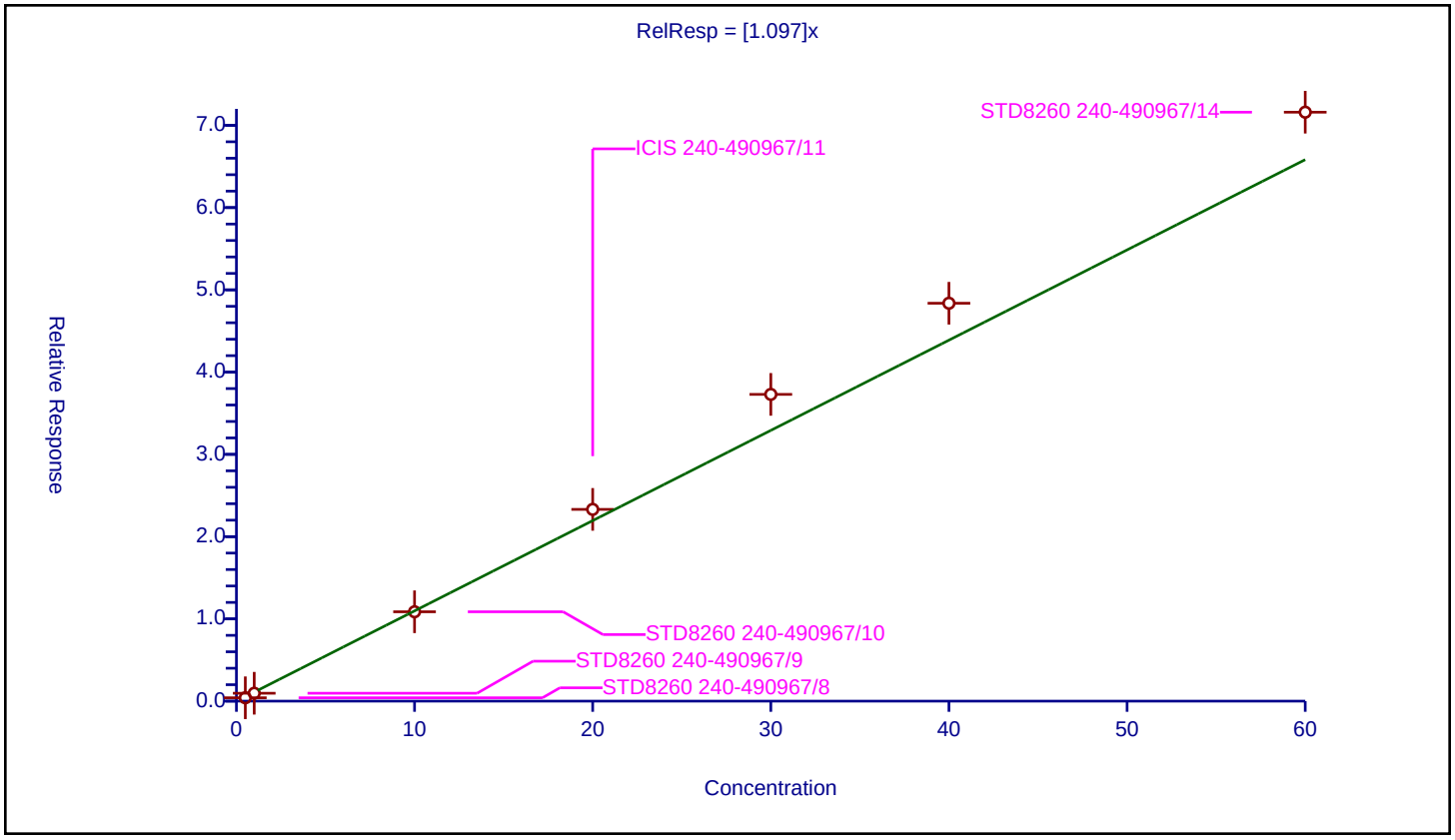
Curve Coefficients

Intercept:	0
Slope:	1.097

Error Coefficients

Standard Error:	676000
Relative Standard Error:	14.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-490967/8	0.5	0.410483	20.0	362792.0	0.820966	Y
2	STD8260 240-490967/9	1.0	0.961021	20.0	331356.0	0.961021	Y
3	STD8260 240-490967/10	10.0	10.866306	20.0	351781.0	1.086631	Y
4	ICIS 240-490967/11	20.0	23.310099	20.0	339724.0	1.165505	Y
5	STD8260 240-490967/12	30.0	37.291915	20.0	335307.0	1.243064	Y
6	STD8260 240-490967/13	40.0	48.372369	20.0	337472.0	1.209309	Y
7	STD8260 240-490967/14	60.0	71.599227	20.0	341440.0	1.19332	Y



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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 18:33 Calibration End Date: 06/16/2021 20:29 Calibration ID: 61776

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-490967/18	UX996087.D
Level 2	STDA9 240-490967/19	UX996088.D
Level 3	STDA9 240-490967/20	UX996089.D
Level 4	STDA9 240-490967/21	UX996090.D
Level 5	STDA9 240-490967/22	UX996091.D
Level 6	STDA9 240-490967/23	UX996092.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetonitrile	0.0819 0.0672	0.0692	0.0629	0.0638	0.0679	Ave		0.0688				10.0		20.0			
Diisopropyl ether	0.3276 0.3526	0.3346	0.3371	0.3384	0.3550	Ave		0.3409				3.1		20.0			
2-Chloro-1,3-butadiene	0.4712 0.5430	0.5293	0.5329	0.5303	0.5500	Ave		0.5261				5.3		20.0			
Ethyl-t-butyl ether (ETBE)	1.0636 1.1364	1.1098	1.0963	1.1045	1.1489	Ave		1.1099				2.7		20.0			
Propionitrile	0.0755 0.0785	0.0715	0.0717	0.0724	0.0784	Ave		0.0746				4.4		20.0			
Ethyl acetate	0.5662 0.4569	0.4531	0.4393	0.4371	0.4612	Ave		0.4689				10.4		20.0			
Methacrylonitrile	0.2854 0.2818	0.2743	0.2656	0.2682	0.2826	Ave		0.2763				3.0		20.0			
Isooctane	0.9340 1.0258	0.9838	0.9883	0.9747	1.0591	Ave		0.9943				4.4		20.0			
Tert-amyl-methyl ether (TAME)	1.1312 1.1884	1.1230	1.1234	1.1364	1.2073	Ave		1.1516				3.2		20.0			
n-Butanol	0.0132 0.0178	0.0141	0.0152	0.0160	0.0178	Ave		0.0157				12.2		20.0			
Ethyl acrylate	0.5518 0.5539	0.5520	0.5390	0.5434	0.5618	Ave		0.5503				1.5		20.0			
Methyl methacrylate	0.4175 0.3852	0.3716	0.3722	0.3727	0.3907	Ave		0.3850				4.6		20.0			
2-Nitropropane	0.1851 0.1753	0.1737	0.1574	0.1609	0.1736	Ave		0.1710				6.0		20.0			
n-Butyl acetate	0.8757 0.8912	0.8889	0.8549	0.8649	0.9196	Ave		0.8825				2.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 18:33 Calibration End Date: 06/16/2021 20:29 Calibration ID: 61776

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1-Chlorohexane	0.7444 0.7312	0.7481	0.7180	0.7249	0.7519	Ave		0.7364				1.9		20.0			
Cyclohexanone	0.0495 0.0490	0.0510	0.0459	0.0470	0.0505	Ave		0.0488				4.1		20.0			
Pentachloroethane	+++++ 0.4957	0.4749	0.5822	0.5591	0.5420	Ave		0.5308				8.4		20.0			
1,2,3-Trimethylbenzene	3.3497 3.6423	3.7884	3.6279	3.6573	3.8085	Ave		3.6457				4.5		20.0			
Benzyl chloride	0.5929 0.5336	0.5063	0.5151	0.5199	0.5526	Ave		0.5367				5.9		20.0			
1,3,5-Trichlorobenzene	1.2063 1.3221	1.3118	1.3002	1.2970	1.3467	Ave		1.2973				3.7		20.0			
2-Methylnaphthalene	1.3863 1.3017	1.5222	1.5139	1.3508	1.4067	Ave		1.4136				6.3		20.0			
1-Methylnaphthalene	1.2537 0.9623	1.3454	1.3558	1.0862	1.0737	Ave		1.1795				13.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 18:33 Calibration End Date: 06/16/2021 20:29 Calibration ID: 61776

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-490967/18	UX996087.D
Level 2	STDA9 240-490967/19	UX996088.D
Level 3	STDA9 240-490967/20	UX996089.D
Level 4	STDA9 240-490967/21	UX996090.D
Level 5	STDA9 240-490967/22	UX996091.D
Level 6	STDA9 240-490967/23	UX996092.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Acetonitrile	FB	Ave	16983 1641665	28119	254185	508814	1119895	5.00 600	10.0	100	200	400
Diisopropyl ether	FB	Ave	6791 861647	13594	136333	269930	585231	0.500 60.0	1.00	10.0	20.0	40.0
2-Chloro-1,3-butadiene	FB	Ave	9768 1326930	21507	215511	422987	906713	0.500 60.0	1.00	10.0	20.0	40.0
Ethyl-t-butyl ether (ETBE)	FB	Ave	22051 2777331	45089	443358	880949	1893961	0.500 60.0	1.00	10.0	20.0	40.0
Propionitrile	FB	Ave	15652 1918119	29043	289762	577632	1291564	5.00 600	10.0	100	200	400
Ethyl acetate	FB	Ave	23475 2233054	36815	355346	697251	1520381	1.00 120	2.00	20.0	40.0	80.0
Methacrylonitrile	FB	Ave	59176 6886549	111444	1073980	2139356	4658077	5.00 600	10.0	100	200	400
Isooctane	FB	Ave	19363 2506972	39971	399688	777471	1745777	0.500 60.0	1.00	10.0	20.0	40.0
Tert-amyl-methyl ether (TAME)	FB	Ave	23452 2904447	45627	454318	906434	1990174	0.500 60.0	1.00	10.0	20.0	40.0
n-Butanol	FB	Ave	6834 1089763	14281	153926	319440	733643	12.5 1500	25.0	250	500	1000
Ethyl acrylate	FB	Ave	11439 1353635	22428	217971	433443	926163	0.500 60.0	1.00	10.0	20.0	40.0
Methyl methacrylate	FB	Ave	17311 1882788	30194	301014	594598	1287952	1.00 120	2.00	20.0	40.0	80.0
2-Nitropropane	FB	Ave	7674 856651	14118	127317	256597	572184	1.00 120	2.00	20.0	40.0	80.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1 Analy Batch No.: 490967

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/16/2021 18:33 Calibration End Date: 06/16/2021 20:29 Calibration ID: 61776

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
n-Butyl acetate	CBNZ d5	Ave	13753 1709022	27382	266628	533698	1167653	0.500 60.0	1.00	10.0	20.0	40.0
1-Chlorohexane	CBNZ d5	Ave	11692 1402269	23043	223933	447323	954688	0.500 60.0	1.00	10.0	20.0	40.0
Cyclohexanone	DCBd 4	Ave	3977 497825	8014	73960	150610	335213	5.00 600	10.0	100	200	400
Pentachloroethane	DCBd 4	Ave	+++++ 1007159	14931	187724	358573	719663	+++++ 120	2.00	20.0	40.0	80.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	26928 3700416	59560	584873	1172871	2528624	0.500 60.0	1.00	10.0	20.0	40.0
Benzyl chloride	DCBd 4	Ave	4766 542139	7960	83035	166729	366918	0.500 60.0	1.00	10.0	20.0	40.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	9697 1343167	20623	209612	415931	894105	0.500 60.0	1.00	10.0	20.0	40.0
2-Methylnaphthalene	DCBd 4	Ave	22288 2645011	47862	488131	866407	1867940	1.00 120	2.00	20.0	40.0	80.0
1-Methylnaphthalene	DCBd 4	Ave	20157 1955385	42303	437160	696695	1425737	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\A3UX9\20210616-110323.b\UX996087.D
Lims ID: stdA9 L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 16-Jun-2021 18:33:30 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0110323-018
Operator ID: 001765 Instrument ID: A3UX9
Sublist: chrom-8260_9*sub58

Method: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 17-Jun-2021 08:48:19 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: bosworthh Date: 17-Jun-2021 08:34:18

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.880	5.876	0.004	99	829275	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.578	8.574	0.004	85	628233	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.814	10.822	-0.008	95	321553	20.0	20.0	
27 Acetonitrile	41	3.632	3.617	0.015	97	16983	5.00	5.95	
38 Isopropyl ether	87	4.448	4.446	0.002	90	6791	0.5000	0.4805	
39 2-Chloro-1,3-butadiene	53	4.472	4.481	-0.009	89	9768	0.5000	0.4478	
40 Tert-butyl ethyl ether	59	4.756	4.753	0.003	95	22051	0.5000	0.4791	
44 Ethyl acetate	43	4.933	4.931	0.002	99	23475	1.00	1.21	
45 Propionitrile	54	4.945	4.931	0.014	79	15652	5.00	5.06	
46 Methacrylonitrile	41	5.075	5.073	0.002	91	59176	5.00	5.17	
163 Isooctane	57	5.726	5.724	0.002	96	19363	0.5000	0.4697	
57 Tert-amyl methyl ether	73	5.726	5.735	-0.009	98	23452	0.5000	0.4911	
59 n-Butanol	56	6.093	6.079	0.014	83	6834	12.5	10.5	
61 Ethyl acrylate	55	6.259	6.256	0.003	96	11439	0.5000	0.5013	
64 Methyl methacrylate	41	6.460	6.457	0.003	91	17311	1.00	1.08	
68 2-Nitropropane	41	6.791	6.800	-0.009	97	7674	1.00	1.08	
81 n-Butyl acetate	43	7.974	7.972	0.002	95	13753	0.5000	0.4961	
84 1-Chlorohexane	91	8.554	8.552	0.002	94	11692	0.5000	0.5054	
93 Cyclohexanone	55	9.631	9.617	0.014	89	3977	5.00	5.07	
105 Pentachloroethane	167		10.445				ND	ND	U
111 1,2,3-Trimethylbenzene	105	10.885	10.883	0.002	96	26928	0.5000	0.4594	
112 Benzyl chloride	126	10.968	10.966	0.002	97	4766	0.5000	0.5523	
116 1,3,5-Trichlorobenzene	180	12.199	12.208	-0.009	93	9697	0.5000	0.4649	
121 2-Methylnaphthalene	142	14.506	14.504	0.002	90	22288	1.00	0.9807	
162 1-Methylnaphthalene	142	14.790	14.788	0.002	90	20157	1.00	1.06	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND

Review Flags
U - Marked Undetected

Reagents:

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vm50is_stk_A_00008	Amount Added:	2.00	Units: uL

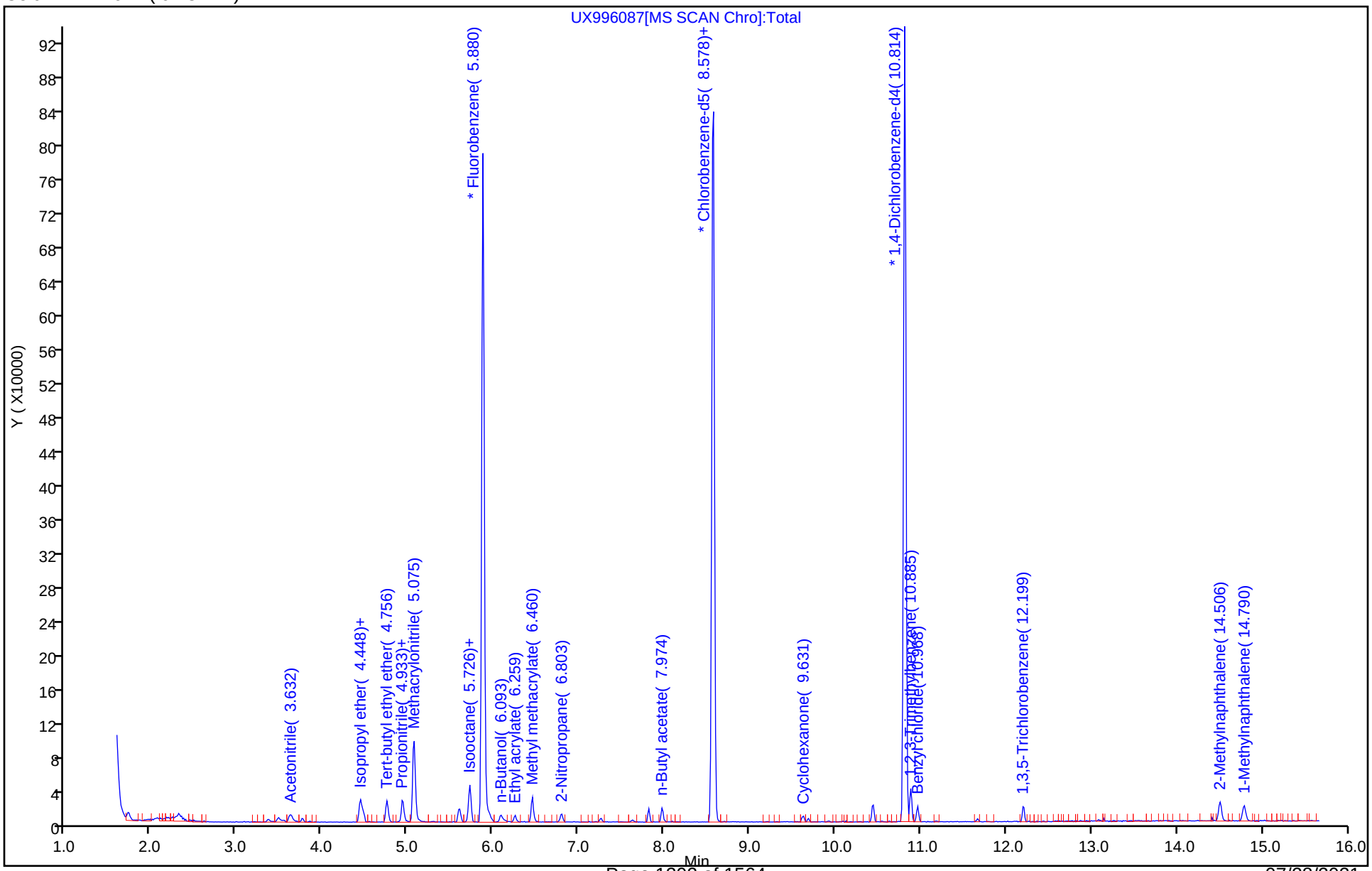
Report Date: 17-Jun-2021 08:48:20 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996087.D

Injection Date:	16-Jun-2021 18:33:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	stdA9 L1			Worklist Smp#:	18
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



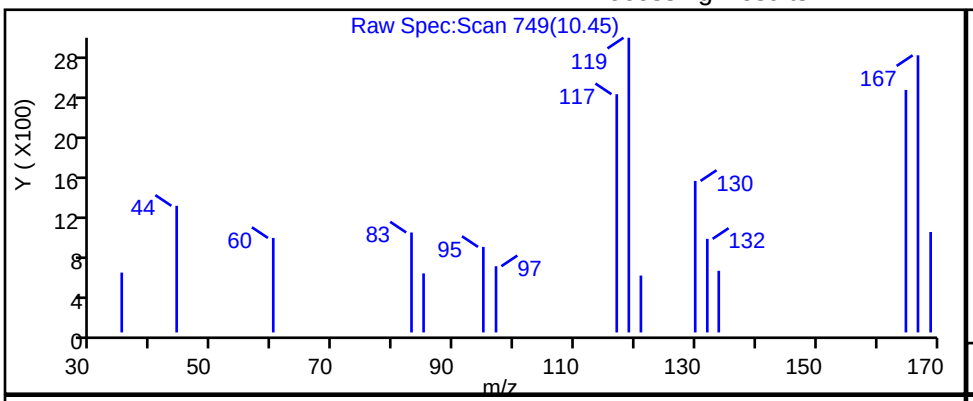
User Disabled Compound Report

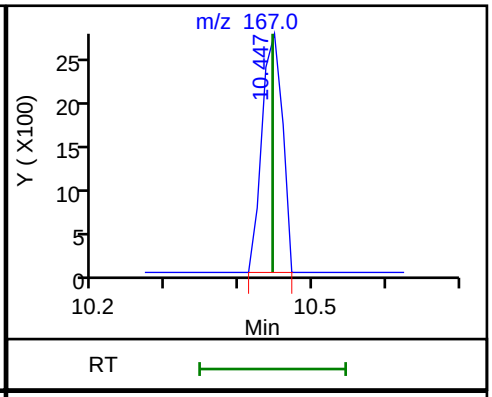
Eurofins TestAmerica, Canton

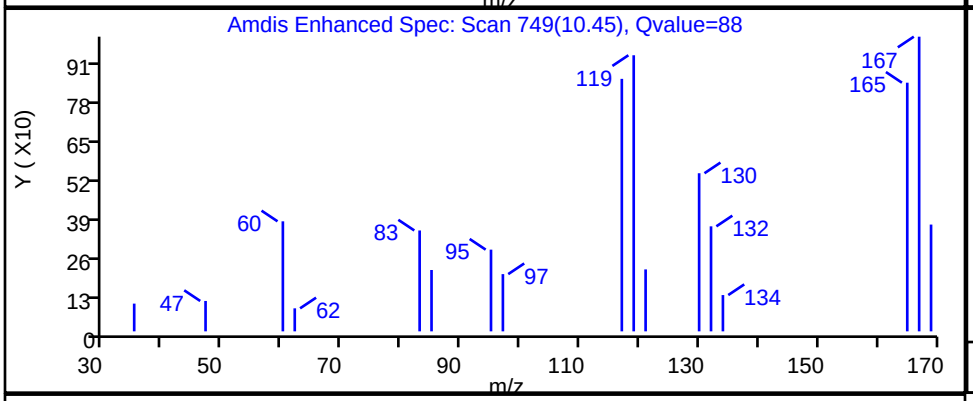
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Injection Date: 16-Jun-2021 18:33:30 Instrument ID: A3UX9
Lims ID: stdA9 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_9 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

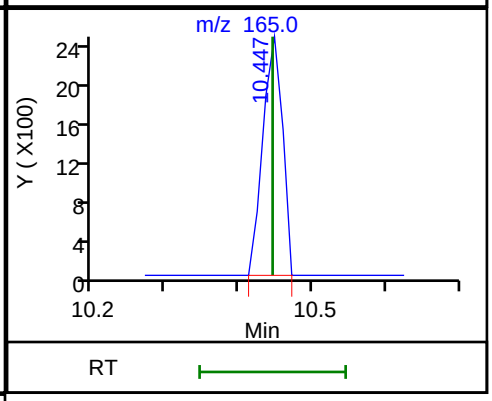
105 Pentachloroethane, CAS: 76-01-7

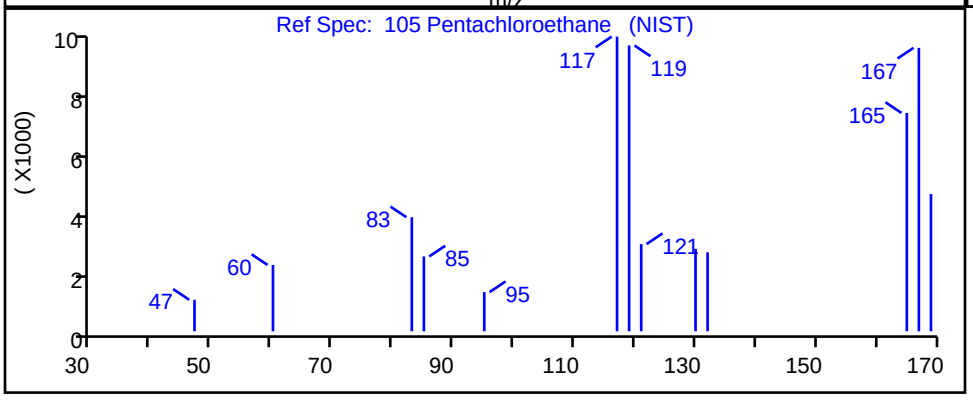
Processing Results











RT	Mass	Response	Amount
10.45	167.00	5435	0.847750
10.45	165.00	4548	

Reviewer: bosworthh, 17-Jun-2021 08:34:05
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996088.D
Lims ID: stdA9 L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 16-Jun-2021 18:56:30 ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0110323-019
Operator ID: 001765 Instrument ID: A3UX9
Sublist: chrom-8260_9*sub58

Method: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 17-Jun-2021 08:48:21 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: bosworthh Date: 17-Jun-2021 08:34:35

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.879	5.876	0.003	99	812585	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.577	8.574	0.003	85	616071	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.814	10.822	-0.008	96	314433	20.0	20.0	
27 Acetonitrile	41	3.631	3.617	0.014	97	28119	10.0	10.1	
38 Isopropyl ether	87	4.448	4.446	0.002	92	13594	1.00	0.9815	
39 2-Chloro-1,3-butadiene	53	4.483	4.481	0.002	92	21507	1.00	1.01	
40 Tert-butyl ethyl ether	59	4.755	4.753	0.002	97	45089	1.00	1.00	
44 Ethyl acetate	43	4.945	4.931	0.014	99	36815	2.00	1.93	
45 Propionitrile	54	4.933	4.931	0.002	86	29043	10.0	9.58	
46 Methacrylonitrile	41	5.075	5.073	0.002	92	111444	10.0	9.93	
163 Isooctane	57	5.726	5.724	0.002	96	39971	1.00	0.9895	
57 Tert-amyl methyl ether	73	5.726	5.735	-0.009	98	45627	1.00	0.9751	
59 n-Butanol	56	6.080	6.079	0.001	89	14281	25.0	22.4	
61 Ethyl acrylate	55	6.258	6.256	0.002	99	22428	1.00	1.00	
64 Methyl methacrylate	41	6.459	6.457	0.002	85	30194	2.00	1.93	
68 2-Nitropropane	41	6.802	6.800	0.002	99	14118	2.00	2.03	
81 n-Butyl acetate	43	7.974	7.972	0.002	97	27382	1.00	1.01	
84 1-Chlorohexane	91	8.554	8.552	0.002	96	23043	1.00	1.02	
93 Cyclohexanone	55	9.619	9.617	0.001	86	8014	10.0	10.4	
105 Pentachloroethane	167	10.447	10.445	0.002	91	14931	2.00	1.79	
111 1,2,3-Trimethylbenzene	105	10.885	10.883	0.002	99	59560	1.00	1.04	
112 Benzyl chloride	126	10.967	10.966	0.001	98	7960	1.00	0.9433	
116 1,3,5-Trichlorobenzene	180	12.210	12.208	0.002	97	20623	1.00	1.01	
121 2-Methylnaphthalene	142	14.505	14.504	0.001	93	47862	2.00	2.15	
162 1-Methylnaphthalene	142	14.789	14.788	0.001	93	42303	2.00	2.28	

QC Flag Legend
Processing Flags

Reagents:

vmra9w_00394	Amount Added:	0.80	Units: uL
vm50is_stk_A_00008	Amount Added:	2.00	Units: uL

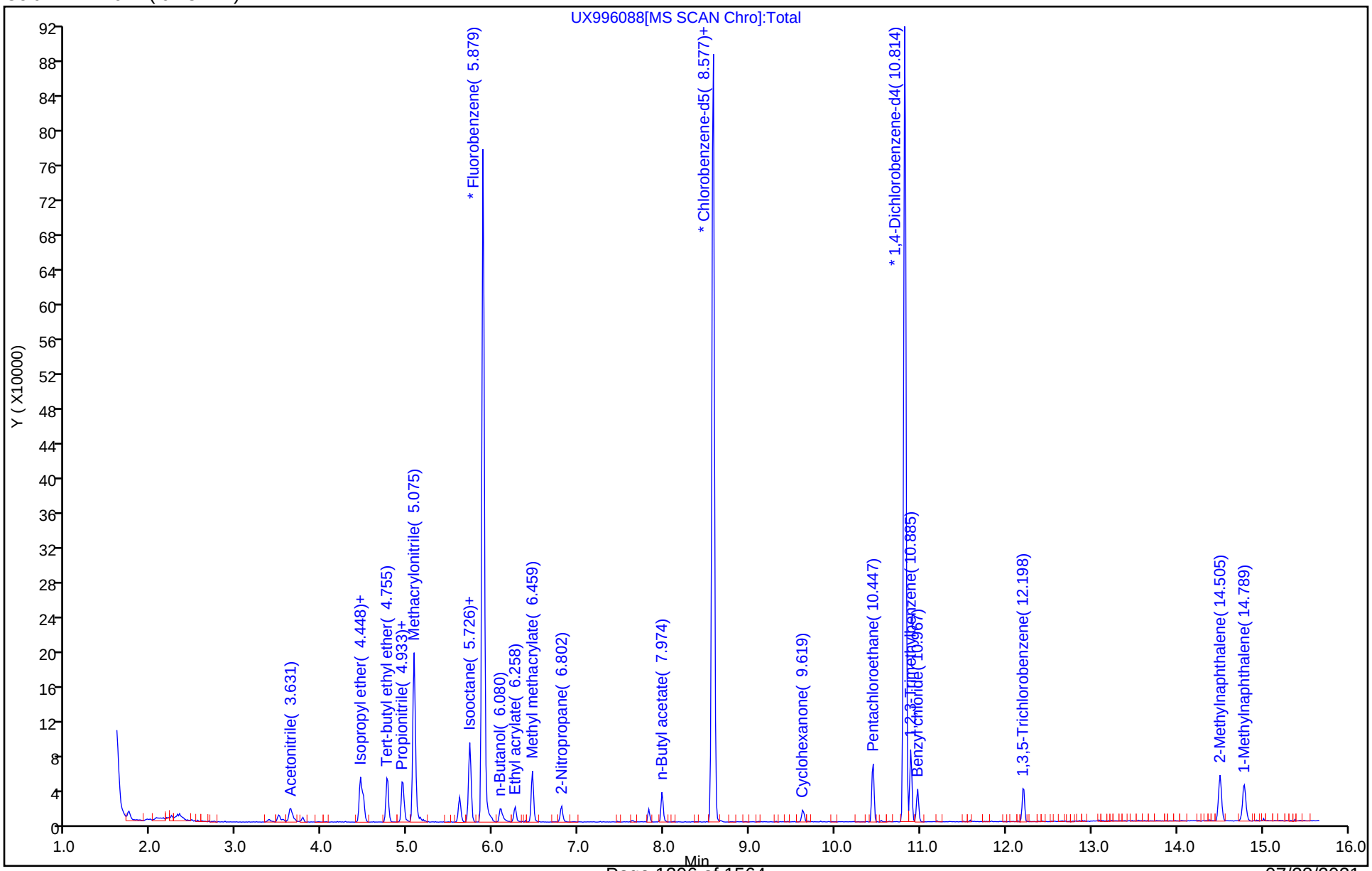
Report Date: 17-Jun-2021 08:48:21 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996088.D

Injection Date:	16-Jun-2021 18:56:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	stdA9 L2			Worklist Smp#:	19
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996089.D
Lims ID: stdA9 L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 16-Jun-2021 19:20:30 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0110323-020
Operator ID: 001765 Instrument ID: A3UX9
Sublist: chrom-8260_9*sub58

Method: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 17-Jun-2021 08:48:23 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: bosworthh Date: 17-Jun-2021 08:34:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.876	5.876	0.000	99	808821	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.574	8.574	0.000	86	623775	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.822	10.822	0.000	95	322430	20.0	20.0	
27 Acetonitrile	41	3.616	3.617	-0.001	100	254185	100.0	91.3	
38 Isopropyl ether	87	4.445	4.446	-0.002	92	136333	10.0	9.89	
39 2-Chloro-1,3-butadiene	53	4.480	4.481	-0.001	92	215511	10.0	10.1	
40 Tert-butyl ethyl ether	59	4.752	4.753	-0.001	97	443358	10.0	9.88	
44 Ethyl acetate	43	4.941	4.931	0.010	99	355346	20.0	18.7	
45 Propionitrile	54	4.930	4.931	-0.001	85	289762	100.0	96.0	
46 Methacrylonitrile	41	5.072	5.073	-0.001	91	1073980	100.0	96.1	
163 Isooctane	57	5.722	5.724	-0.002	96	399688	10.0	9.94	
57 Tert-amyl methyl ether	73	5.734	5.735	-0.001	98	454318	10.0	9.75	
59 n-Butanol	56	6.077	6.079	-0.002	85	153926	250.0	242.6	
61 Ethyl acrylate	55	6.255	6.256	-0.001	99	217971	10.0	9.79	
64 Methyl methacrylate	41	6.456	6.457	-0.001	86	301014	20.0	19.3	
68 2-Nitropropane	41	6.799	6.800	-0.001	98	127317	20.0	18.4	
81 n-Butyl acetate	43	7.971	7.972	-0.001	98	266628	10.0	9.69	
84 1-Chlorohexane	91	8.550	8.552	-0.002	94	223933	10.0	9.75	
93 Cyclohexanone	55	9.627	9.617	0.010	91	73960	100.0	94.0	
105 Pentachloroethane	167	10.444	10.445	-0.001	92	187724	20.0	21.9	
111 1,2,3-Trimethylbenzene	105	10.882	10.883	-0.001	98	584873	10.0	9.95	
112 Benzyl chloride	126	10.964	10.966	-0.002	98	83035	10.0	9.60	
116 1,3,5-Trichlorobenzene	180	12.207	12.208	-0.001	97	209612	10.0	10.0	
121 2-Methylnaphthalene	142	14.502	14.504	-0.002	93	488131	20.0	21.4	
162 1-Methylnaphthalene	142	14.786	14.788	-0.002	94	437160	20.0	23.0	

QC Flag Legend
Processing Flags

Reagents:

vmra9w_00394	Amount Added:	8.00	Units: uL
vm50is_stk_A_00008	Amount Added:	2.00	Units: uL

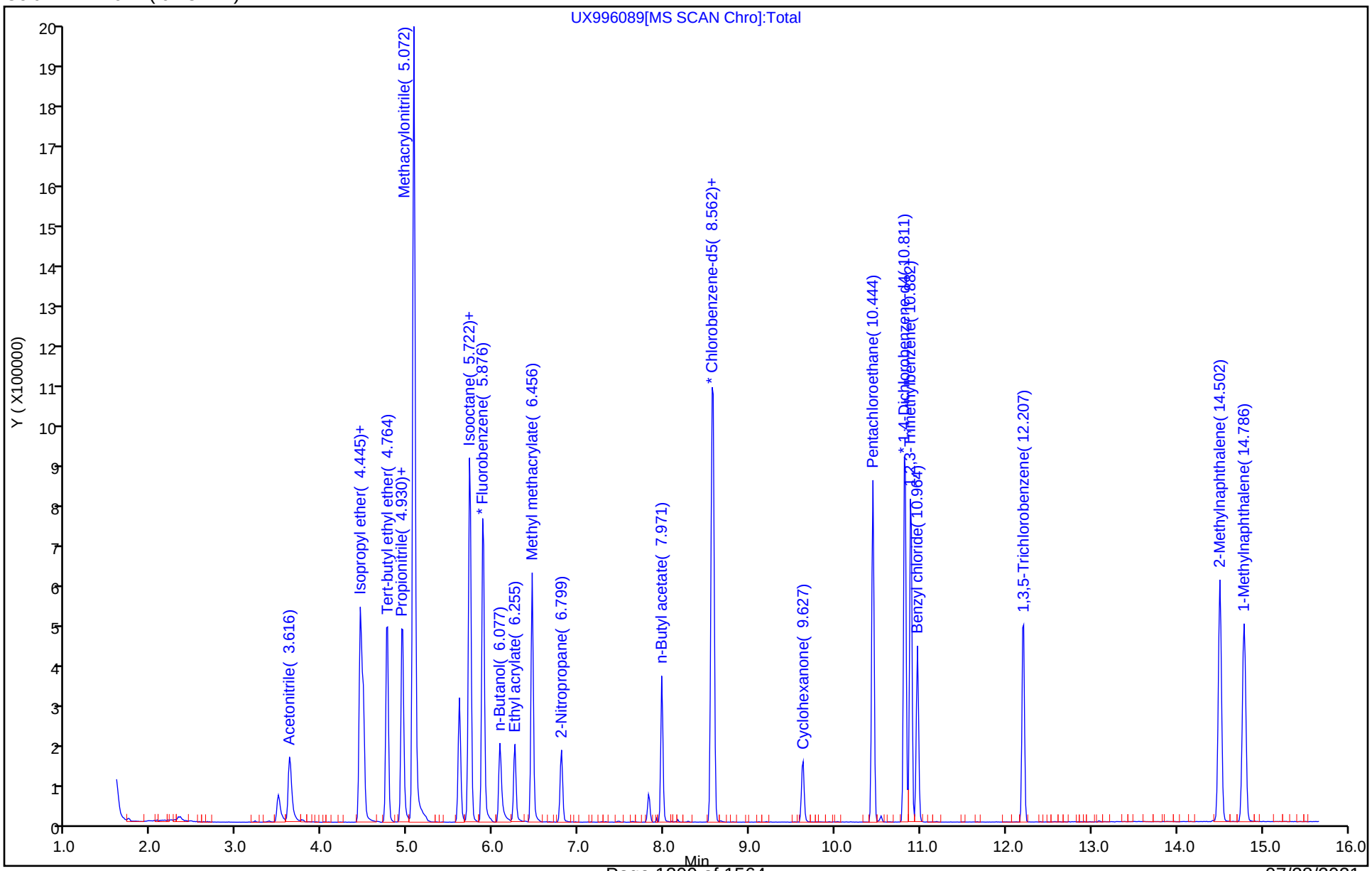
Report Date: 17-Jun-2021 08:48:24 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996089.D

Injection Date:	16-Jun-2021 19:20:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	stdA9 L3			Worklist Smp#:	20
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996090.D
Lims ID: stdA9 L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 16-Jun-2021 19:43:30 ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0110323-021
Operator ID: 001765 Instrument ID: A3UX9
Sublist: chrom-8260_9*sub58

Method: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 17-Jun-2021 08:48:25 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: bosworthh Date: 17-Jun-2021 08:34:58

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.877	5.877	0.000	99	797624	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.575	8.575	0.000	87	617075	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.824	10.824	0.000	95	320697	20.0	20.0	
27 Acetonitrile	41	3.617	3.617	0.000	100	508814	200.0	185.4	
38 Isopropyl ether	87	4.446	4.446	0.000	92	269930	20.0	19.9	
39 2-Chloro-1,3-butadiene	53	4.481	4.481	0.000	92	422987	20.0	20.2	
40 Tert-butyl ethyl ether	59	4.753	4.753	0.000	97	880949	20.0	19.9	
44 Ethyl acetate	43	4.931	4.931	0.000	99	697251	40.0	37.3	
45 Propionitrile	54	4.931	4.931	0.000	87	577632	200.0	194.0	
46 Methacrylonitrile	41	5.073	5.073	0.000	91	2139356	200.0	194.1	
163 Isooctane	57	5.724	5.724	0.000	97	777471	20.0	19.6	
57 Tert-amyl methyl ether	73	5.735	5.735	0.000	98	906434	20.0	19.7	
59 n-Butanol	56	6.079	6.079	0.000	85	319440	500.0	510.6	
61 Ethyl acrylate	55	6.256	6.256	0.000	99	433443	20.0	19.7	
64 Methyl methacrylate	41	6.457	6.457	0.000	86	594598	40.0	38.7	
68 2-Nitropropane	41	6.800	6.800	0.000	99	256597	40.0	37.6	
81 n-Butyl acetate	43	7.972	7.972	0.000	98	533698	20.0	19.6	
84 1-Chlorohexane	91	8.552	8.552	0.000	94	447323	20.0	19.7	
93 Cyclohexanone	55	9.617	9.617	0.000	91	150610	200.0	192.5	
105 Pentachloroethane	167	10.445	10.445	0.000	92	358573	40.0	42.1	
111 1,2,3-Trimethylbenzene	105	10.883	10.883	0.000	98	1172871	20.0	20.1	
112 Benzyl chloride	126	10.966	10.966	0.000	99	166729	20.0	19.4	
116 1,3,5-Trichlorobenzene	180	12.208	12.208	0.000	97	415931	20.0	20.0	
121 2-Methylnaphthalene	142	14.504	14.504	0.000	93	866407	40.0	38.2	
162 1-Methylnaphthalene	142	14.788	14.788	0.000	93	696695	40.0	36.8	

QC Flag Legend
Processing Flags

Reagents:

vmra9w_00394	Amount Added:	16.00	Units: uL
vm50is_stk_A_00008	Amount Added:	2.00	Units: uL

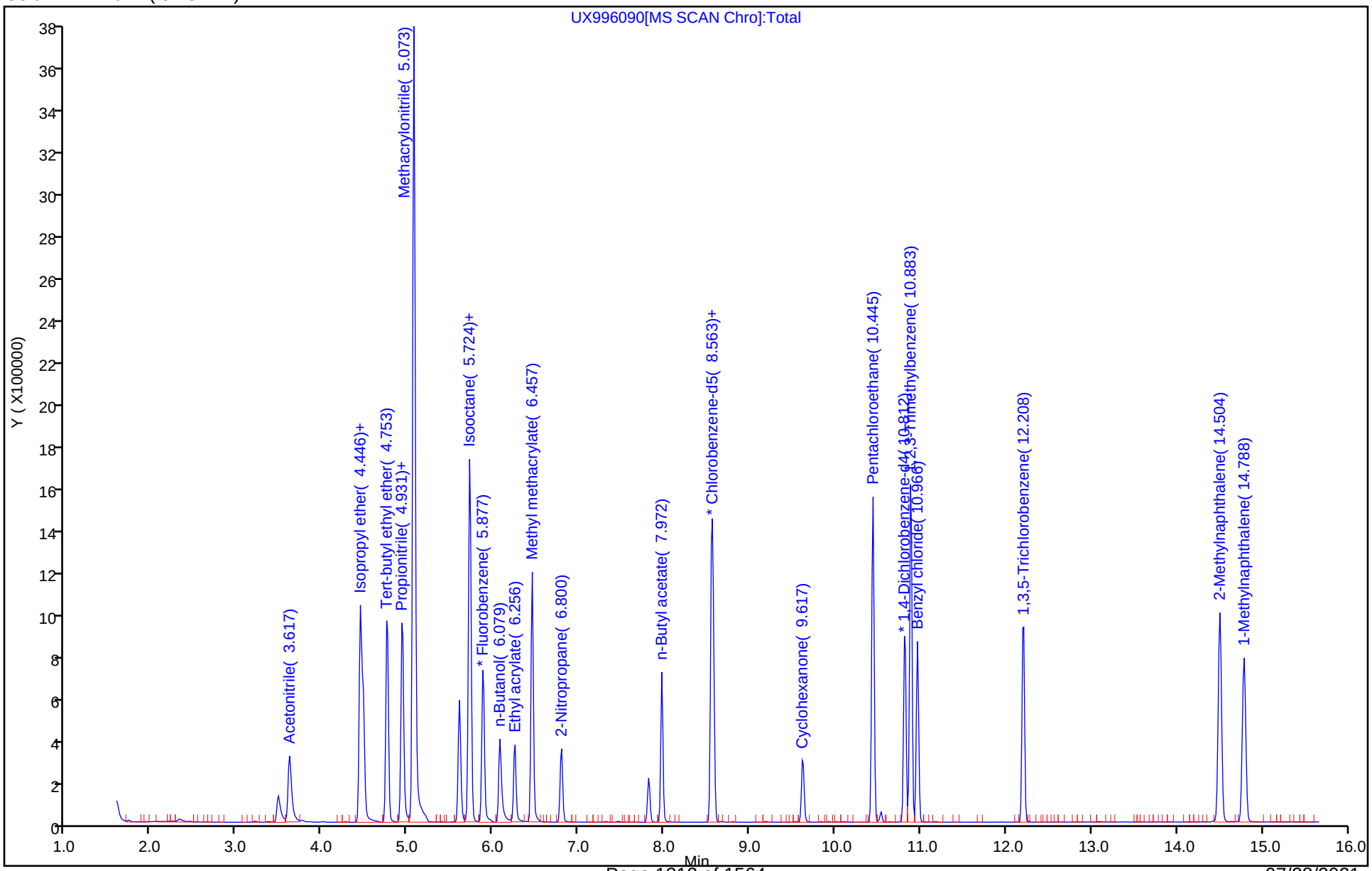
Report Date: 17-Jun-2021 08:48:26 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996090.D

Injection Date:	16-Jun-2021 19:43:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	stdA9 L4			Worklist Smp#:	21
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996091.D
Lims ID: stdA9 L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 16-Jun-2021 20:06:30 ALS Bottle#: 22 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0110323-022
Operator ID: 001765 Instrument ID: A3UX9
Sublist: chrom-8260_9*sub58

Method: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 17-Jun-2021 08:48:27 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: bosworthh Date: 17-Jun-2021 08:35:18

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.877	5.877	0.000	99	824215	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.574	8.575	-0.001	85	634874	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.823	10.824	-0.001	95	331968	20.0	20.0	
27 Acetonitrile	41	3.617	3.617	0.000	100	1119895	400.0	394.9	
38 Isopropyl ether	87	4.445	4.446	-0.001	92	585231	40.0	41.7	
39 2-Chloro-1,3-butadiene	53	4.480	4.481	-0.001	92	906713	40.0	41.8	
40 Tert-butyl ethyl ether	59	4.752	4.753	-0.001	96	1893961	40.0	41.4	
44 Ethyl acetate	43	4.930	4.931	-0.001	99	1520381	80.0	78.7	
45 Propionitrile	54	4.930	4.931	-0.001	86	1291564	400.0	419.8	
46 Methacrylonitrile	41	5.072	5.073	-0.001	91	4658077	400.0	409.1	
163 Isooctane	57	5.723	5.724	-0.001	96	1745777	40.0	42.6	
57 Tert-amyl methyl ether	73	5.735	5.735	0.000	98	1990174	40.0	41.9	
59 n-Butanol	56	6.078	6.079	-0.001	86	733643	1000.0	1134.8	
61 Ethyl acrylate	55	6.255	6.256	-0.001	99	926163	40.0	40.8	
64 Methyl methacrylate	41	6.456	6.457	-0.001	86	1287952	80.0	81.2	
68 2-Nitropropane	41	6.800	6.800	0.000	98	572184	80.0	81.2	
81 n-Butyl acetate	43	7.971	7.972	-0.001	98	1167653	40.0	41.7	
84 1-Chlorohexane	91	8.551	8.552	-0.001	94	954688	40.0	40.8	
93 Cyclohexanone	55	9.616	9.617	-0.001	92	335213	400.0	413.9	
105 Pentachloroethane	167	10.444	10.445	-0.001	92	719663	80.0	81.7	
111 1,2,3-Trimethylbenzene	105	10.882	10.883	-0.001	98	2528624	40.0	41.8	
112 Benzyl chloride	126	10.965	10.966	-0.001	98	366918	40.0	41.2	
116 1,3,5-Trichlorobenzene	180	12.207	12.208	-0.001	97	894105	40.0	41.5	
121 2-Methylnaphthalene	142	14.503	14.504	-0.001	93	1867940	80.0	79.6	
162 1-Methylnaphthalene	142	14.787	14.788	-0.001	94	1425737	80.0	72.8	

QC Flag Legend
Processing Flags

Reagents:

vmra9w_00394	Amount Added:	32.00	Units: uL
vm50is_stk_A_00008	Amount Added:	2.00	Units: uL

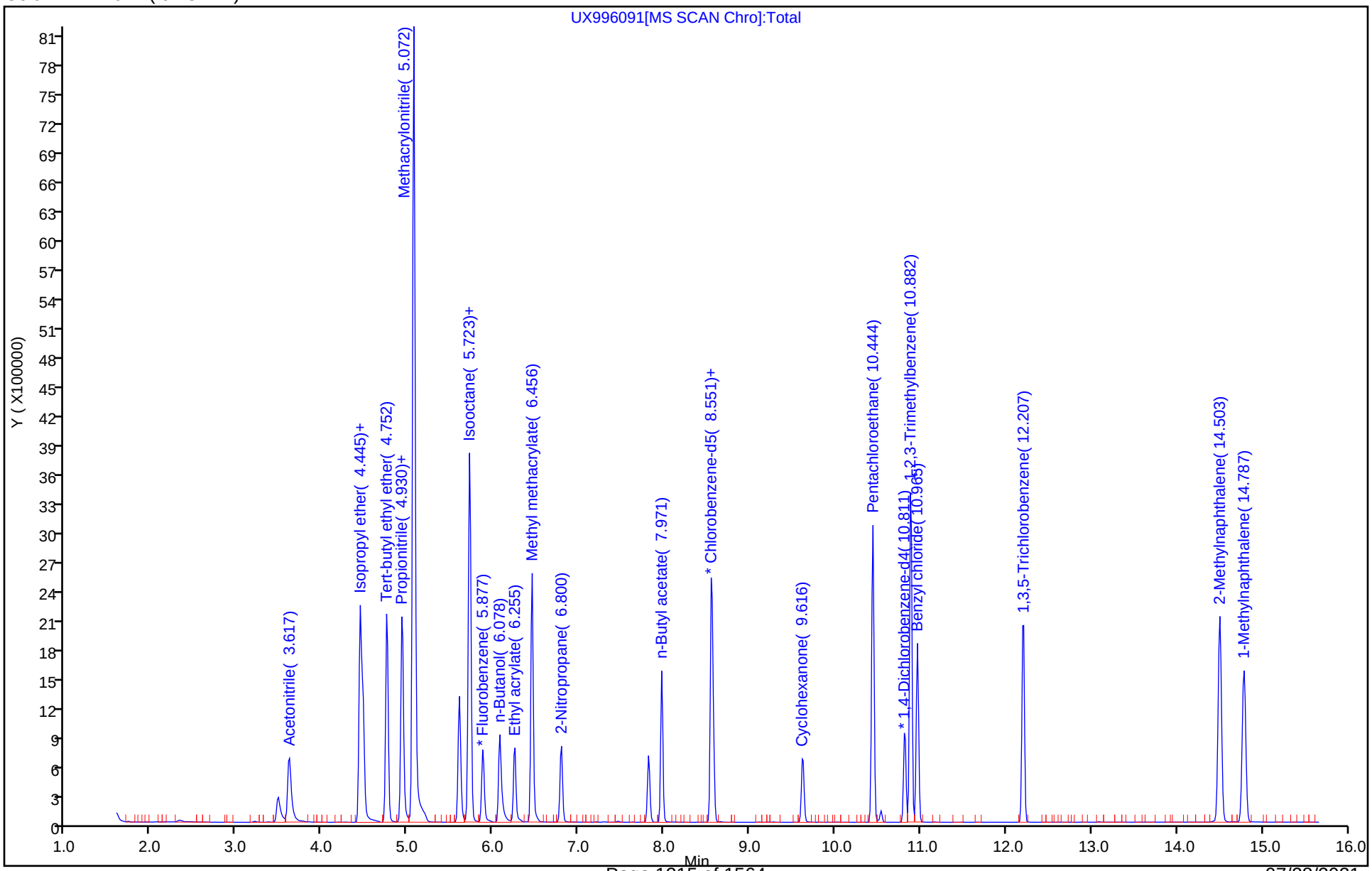
Report Date: 17-Jun-2021 08:48:28 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996091.D

Injection Date:	16-Jun-2021 20:06:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	stdA9 L5			Worklist Smp#:	22
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D
Lims ID: stdA9 L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 16-Jun-2021 20:29:30 ALS Bottle#: 23 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0110323-023
Operator ID: 001765 Instrument ID: A3UX9
Sublist: chrom-8260_9*sub58

Method: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 17-Jun-2021 08:48:29 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: bosworthh Date: 17-Jun-2021 08:35:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.879	5.877	0.002	99	814638	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.577	8.575	0.002	86	639223	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.813	10.824	-0.011	95	338652	20.0	20.0	
27 Acetonitrile	41	3.619	3.617	0.002	99	1641665	600.0	585.7	
38 Isopropyl ether	87	4.447	4.446	0.001	92	861647	60.0	62.1	
39 2-Chloro-1,3-butadiene	53	4.482	4.481	0.001	92	1326930	60.0	61.9	
40 Tert-butyl ethyl ether	59	4.755	4.753	0.002	96	2777331	60.0	61.4	
44 Ethyl acetate	43	4.932	4.931	0.001	99	2233054	120.0	116.9	
45 Propionitrile	54	4.932	4.931	0.001	86	1918119	600.0	630.8	
46 Methacrylonitrile	41	5.074	5.073	0.001	91	6886549	600.0	611.9	
163 Isooctane	57	5.713	5.724	-0.011	97	2506972	60.0	61.9	
57 Tert-amyl methyl ether	73	5.725	5.735	-0.010	98	2904447	60.0	61.9	
59 n-Butanol	56	6.080	6.079	0.001	86	1089763	1500.0	1705.4	
61 Ethyl acrylate	55	6.245	6.256	-0.011	99	1353635	60.0	60.4	
64 Methyl methacrylate	41	6.458	6.457	0.001	86	1882788	120.0	120.1	
68 2-Nitropropane	41	6.802	6.800	0.002	98	856651	120.0	123.0	
81 n-Butyl acetate	43	7.973	7.972	0.001	98	1709022	60.0	60.6	
84 1-Chlorohexane	91	8.553	8.552	0.001	93	1402269	60.0	59.6	
93 Cyclohexanone	55	9.618	9.617	0.001	92	497825	600.0	602.5	
105 Pentachloroethane	167	10.446	10.445	0.001	92	1007159	120.0	112.1	
111 1,2,3-Trimethylbenzene	105	10.884	10.883	0.001	98	3700416	60.0	59.9	
112 Benzyl chloride	126	10.967	10.966	0.001	98	542139	60.0	59.7	
116 1,3,5-Trichlorobenzene	180	12.197	12.208	-0.011	98	1343167	60.0	61.1	
121 2-Methylnaphthalene	142	14.505	14.504	0.001	93	2645011	120.0	110.5	
162 1-Methylnaphthalene	142	14.789	14.788	0.001	94	1955385	120.0	97.9	

QC Flag Legend
Processing Flags

Reagents:

vmra9w_00394	Amount Added:	48.00	Units: uL
vm50is_stk_A_00008	Amount Added:	2.00	Units: uL

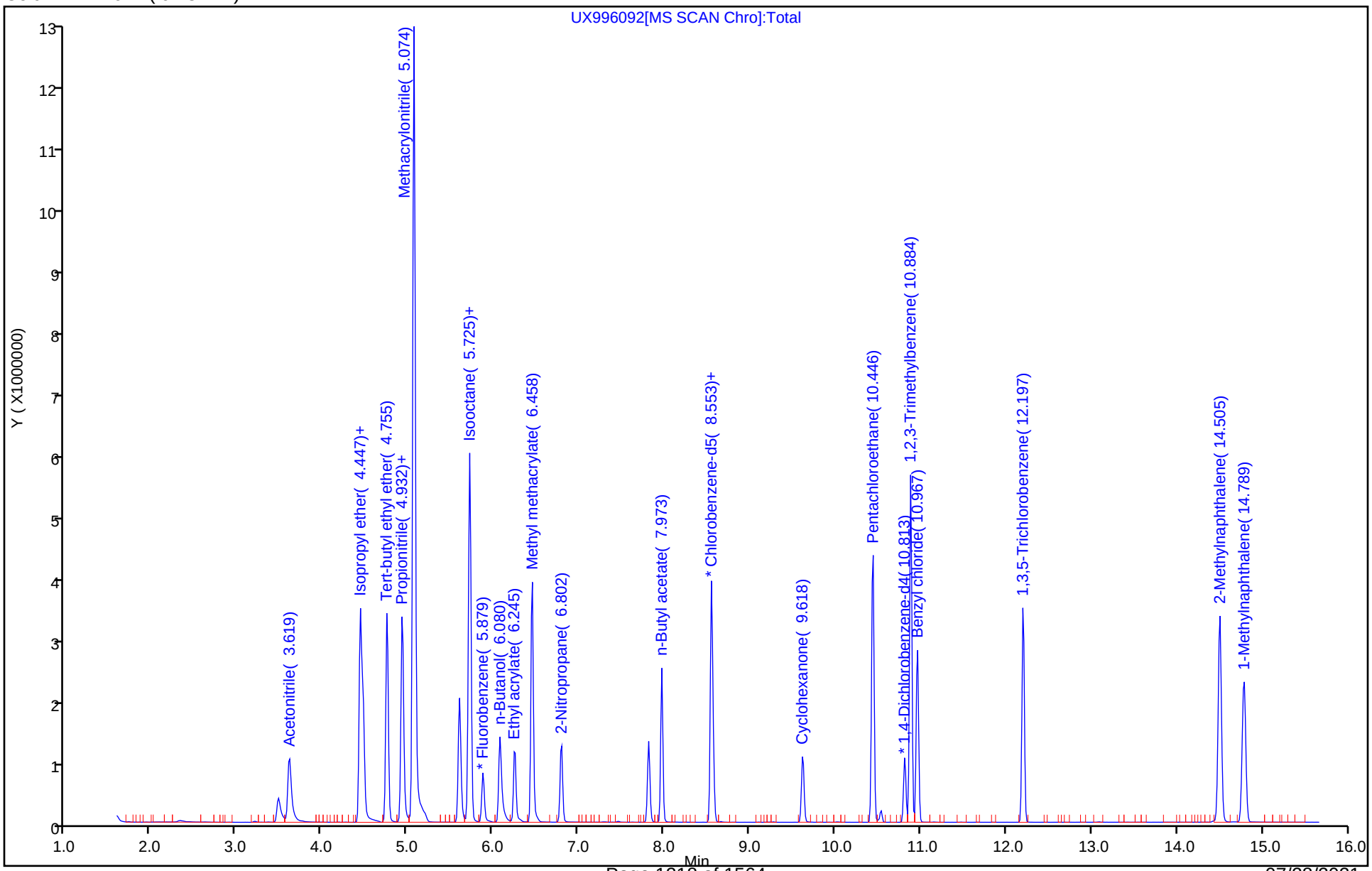
Report Date: 17-Jun-2021 08:48:30 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Injection Date:	16-Jun-2021 20:29:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	stdA9 L6			Worklist Smp#:	23
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Calibration / Acetonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

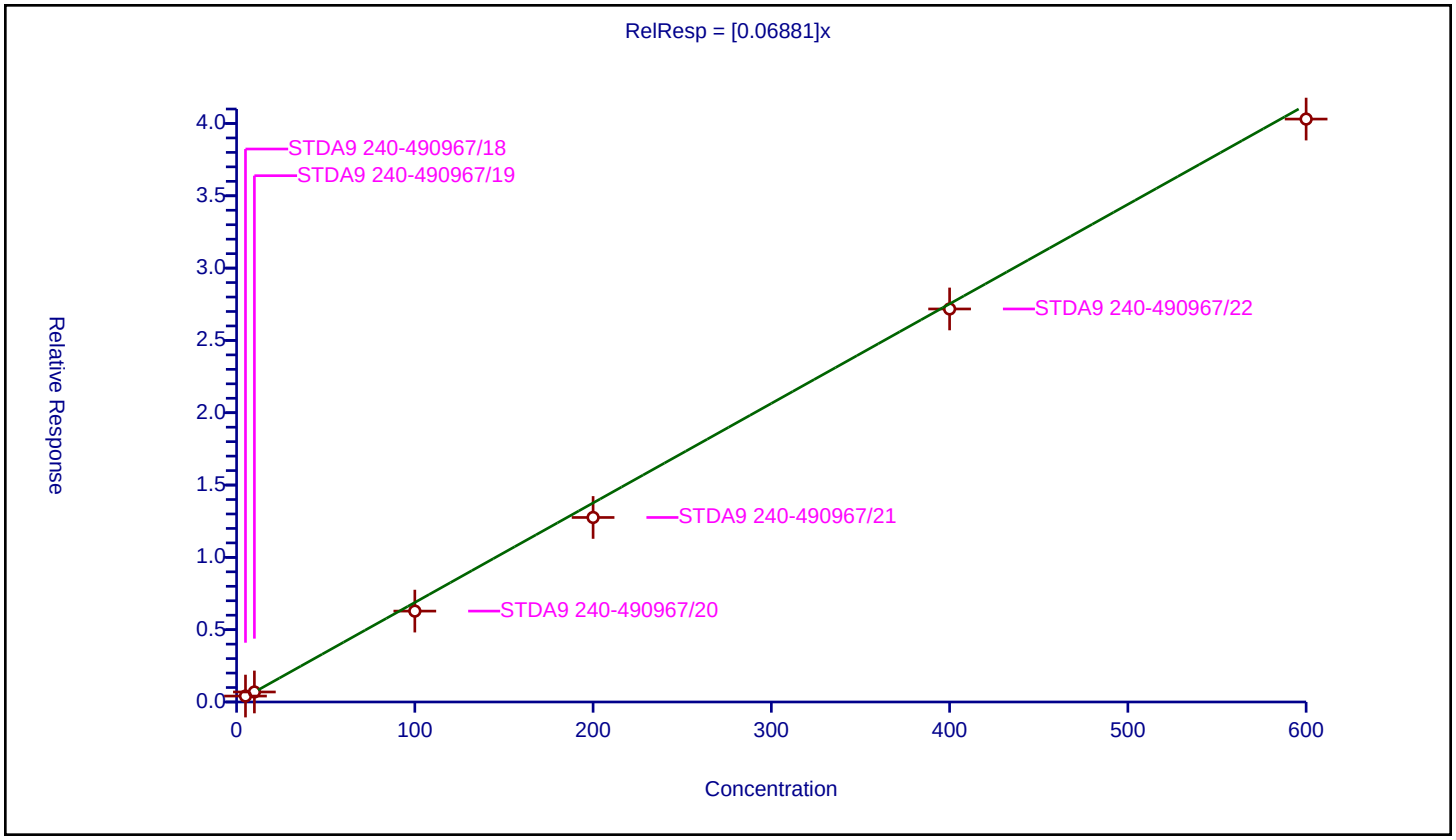
Curve Coefficients

Intercept:	0
Slope:	0.06881

Error Coefficients

Standard Error:	925000
Relative Standard Error:	10.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-490967/18	5.0	0.409587	20.0	829275.0	0.081917	Y
2	STDA9 240-490967/19	10.0	0.692088	20.0	812585.0	0.069209	Y
3	STDA9 240-490967/20	100.0	6.285321	20.0	808821.0	0.062853	Y
4	STDA9 240-490967/21	200.0	12.758242	20.0	797624.0	0.063791	Y
5	STDA9 240-490967/22	400.0	27.174827	20.0	824215.0	0.067937	Y
6	STDA9 240-490967/23	600.0	40.30416	20.0	814638.0	0.067174	Y



Calibration / Isopropyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

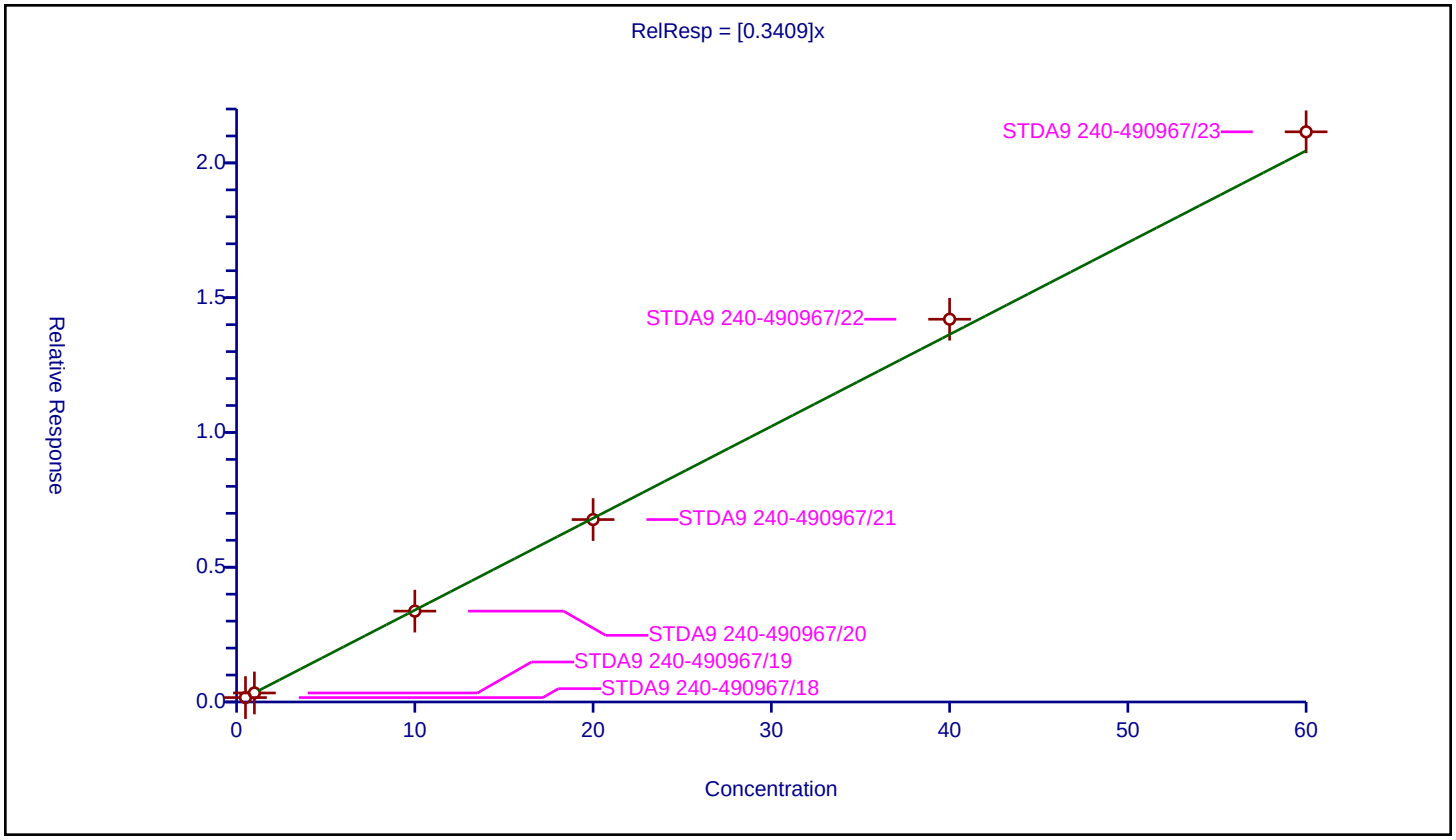
Curve Coefficients

Intercept:	0
Slope:	0.3409

Error Coefficients

Standard Error:	485000
Relative Standard Error:	3.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-490967/18	0.5	0.163782	20.0	829275.0	0.327563	Y
2	STDA9 240-490967/19	1.0	0.334587	20.0	812585.0	0.334587	Y
3	STDA9 240-490967/20	10.0	3.371154	20.0	808821.0	0.337115	Y
4	STDA9 240-490967/21	20.0	6.768352	20.0	797624.0	0.338418	Y
5	STDA9 240-490967/22	40.0	14.200931	20.0	824215.0	0.355023	Y
6	STDA9 240-490967/23	60.0	21.154108	20.0	814638.0	0.352568	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

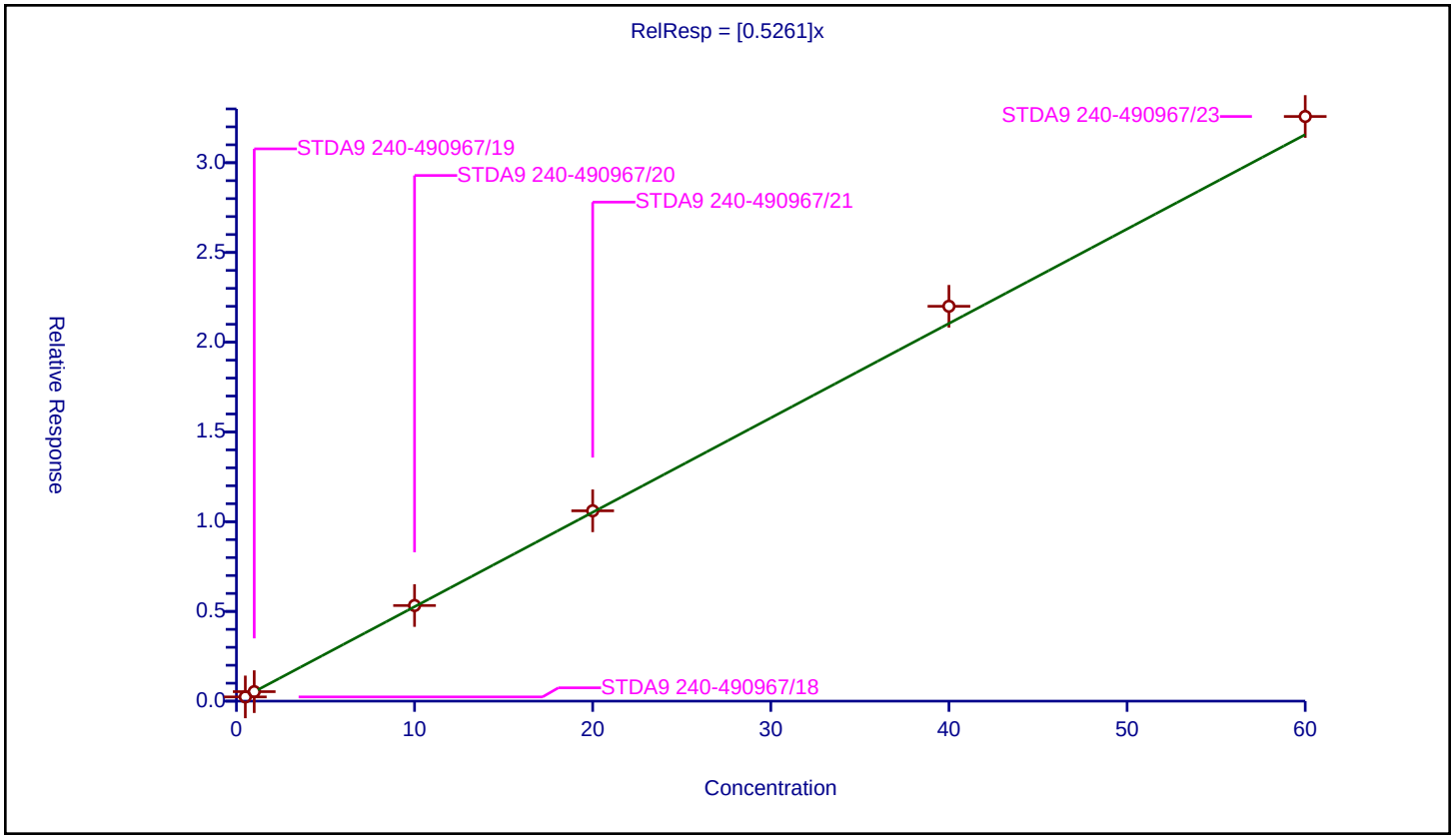
Curve Coefficients

Intercept:	0
Slope:	0.5261

Error Coefficients

Standard Error:	749000
Relative Standard Error:	5.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-490967/18	0.5	0.235579	20.0	829275.0	0.471159	Y
2	STDA9 240-490967/19	1.0	0.529348	20.0	812585.0	0.529348	Y
3	STDA9 240-490967/20	10.0	5.329016	20.0	808821.0	0.532902	Y
4	STDA9 240-490967/21	20.0	10.606175	20.0	797624.0	0.530309	Y
5	STDA9 240-490967/22	40.0	22.001856	20.0	824215.0	0.550046	Y
6	STDA9 240-490967/23	60.0	32.577169	20.0	814638.0	0.542953	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

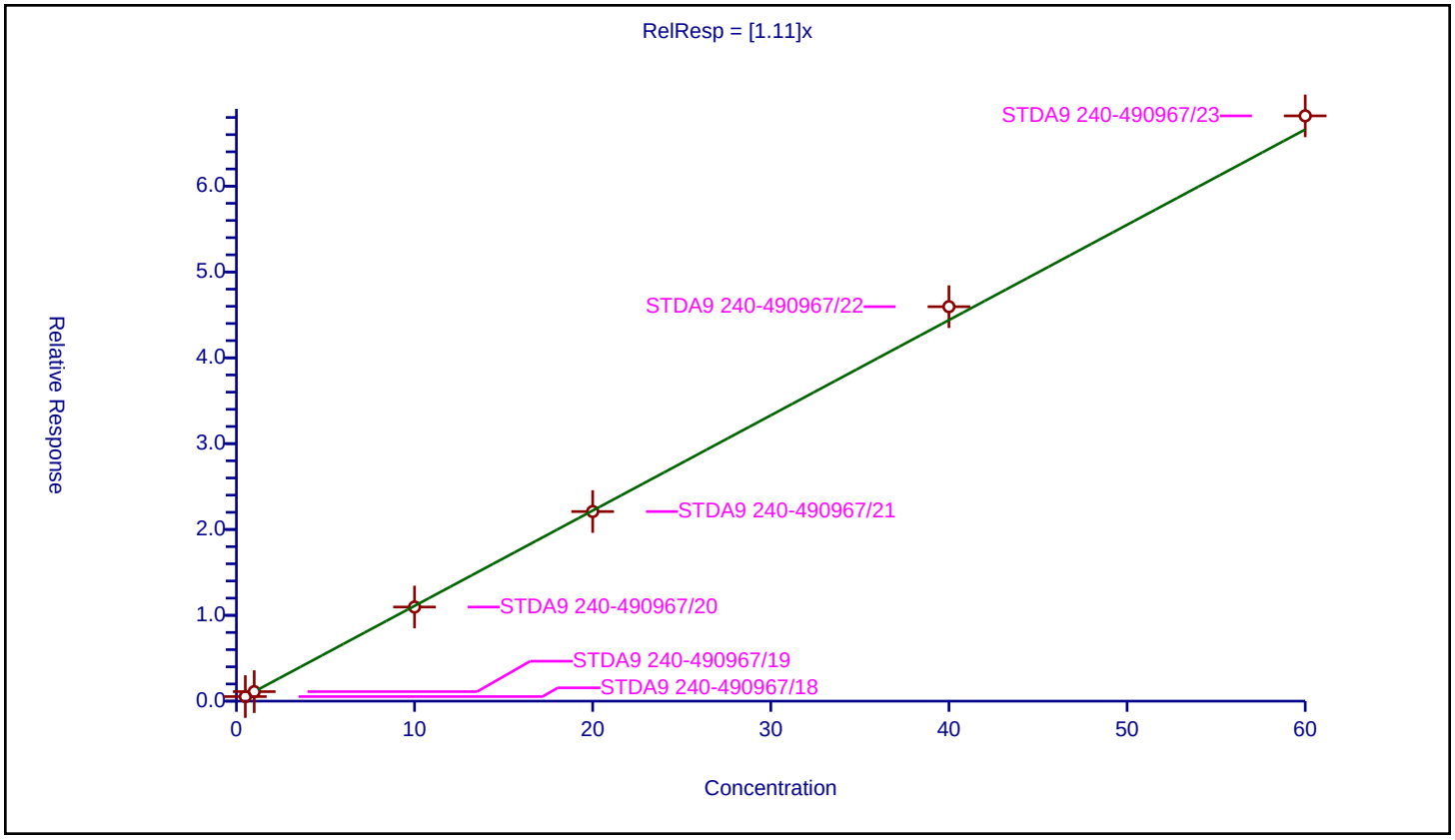
Curve Coefficients

Intercept:	0
Slope:	1.11

Error Coefficients

Standard Error:	1570000
Relative Standard Error:	2.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-490967/18	0.5	0.531814	20.0	829275.0	1.063628	Y
2	STDA9 240-490967/19	1.0	1.109767	20.0	812585.0	1.109767	Y
3	STDA9 240-490967/20	10.0	10.963068	20.0	808821.0	1.096307	Y
4	STDA9 240-490967/21	20.0	22.08933	20.0	797624.0	1.104467	Y
5	STDA9 240-490967/22	40.0	45.957936	20.0	824215.0	1.148948	Y
6	STDA9 240-490967/23	60.0	68.185648	20.0	814638.0	1.136427	Y



Calibration / Ethyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

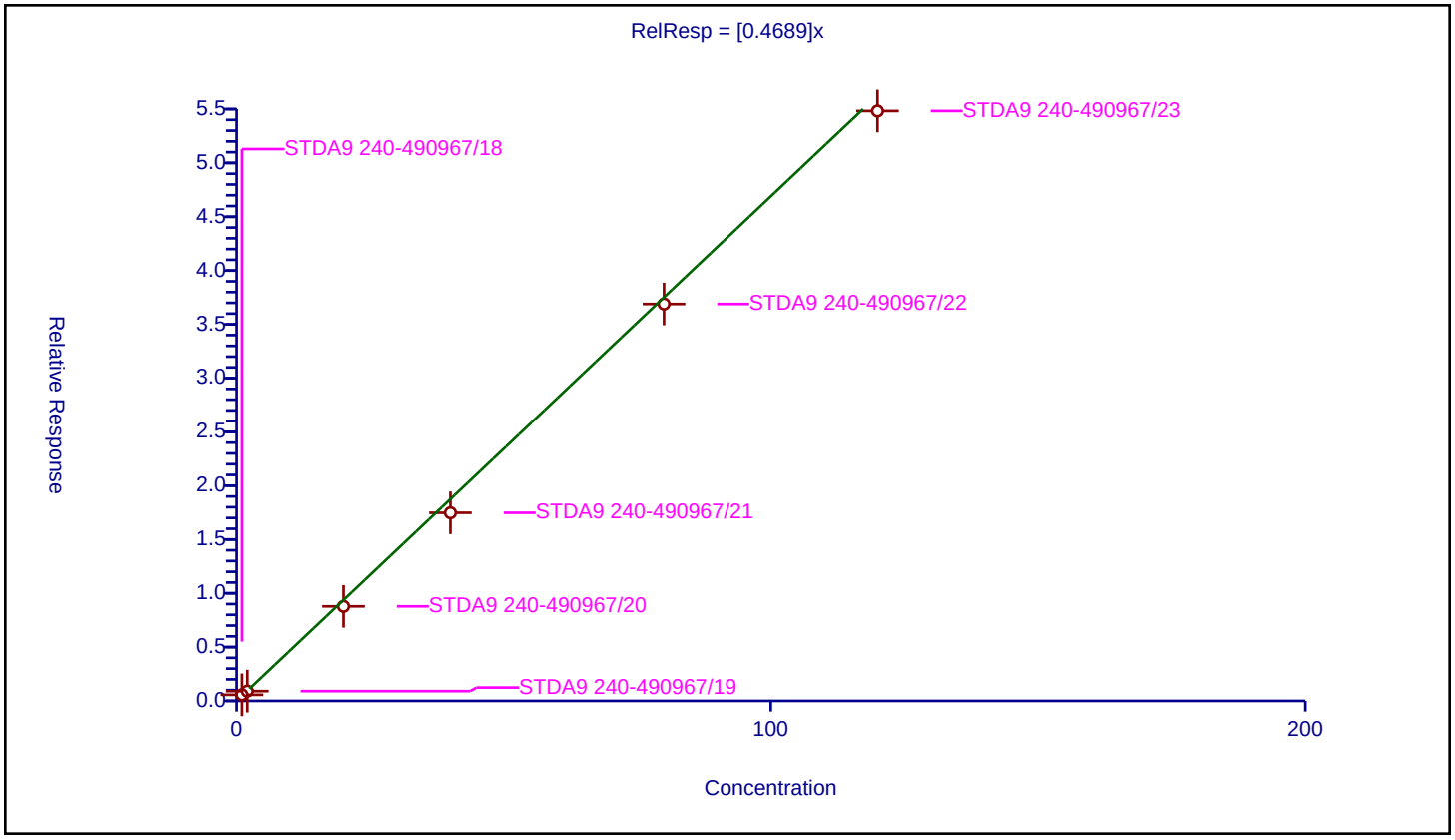
Curve Coefficients

Intercept:	0
Slope:	0.4689

Error Coefficients

Standard Error:	1260000
Relative Standard Error:	10.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-490967/18	1.0	0.566157	20.0	829275.0	0.566157	Y
2	STDA9 240-490967/19	2.0	0.906121	20.0	812585.0	0.45306	Y
3	STDA9 240-490967/20	20.0	8.786765	20.0	808821.0	0.439338	Y
4	STDA9 240-490967/21	40.0	17.4832	20.0	797624.0	0.43708	Y
5	STDA9 240-490967/22	80.0	36.892825	20.0	824215.0	0.46116	Y
6	STDA9 240-490967/23	120.0	54.823222	20.0	814638.0	0.45686	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

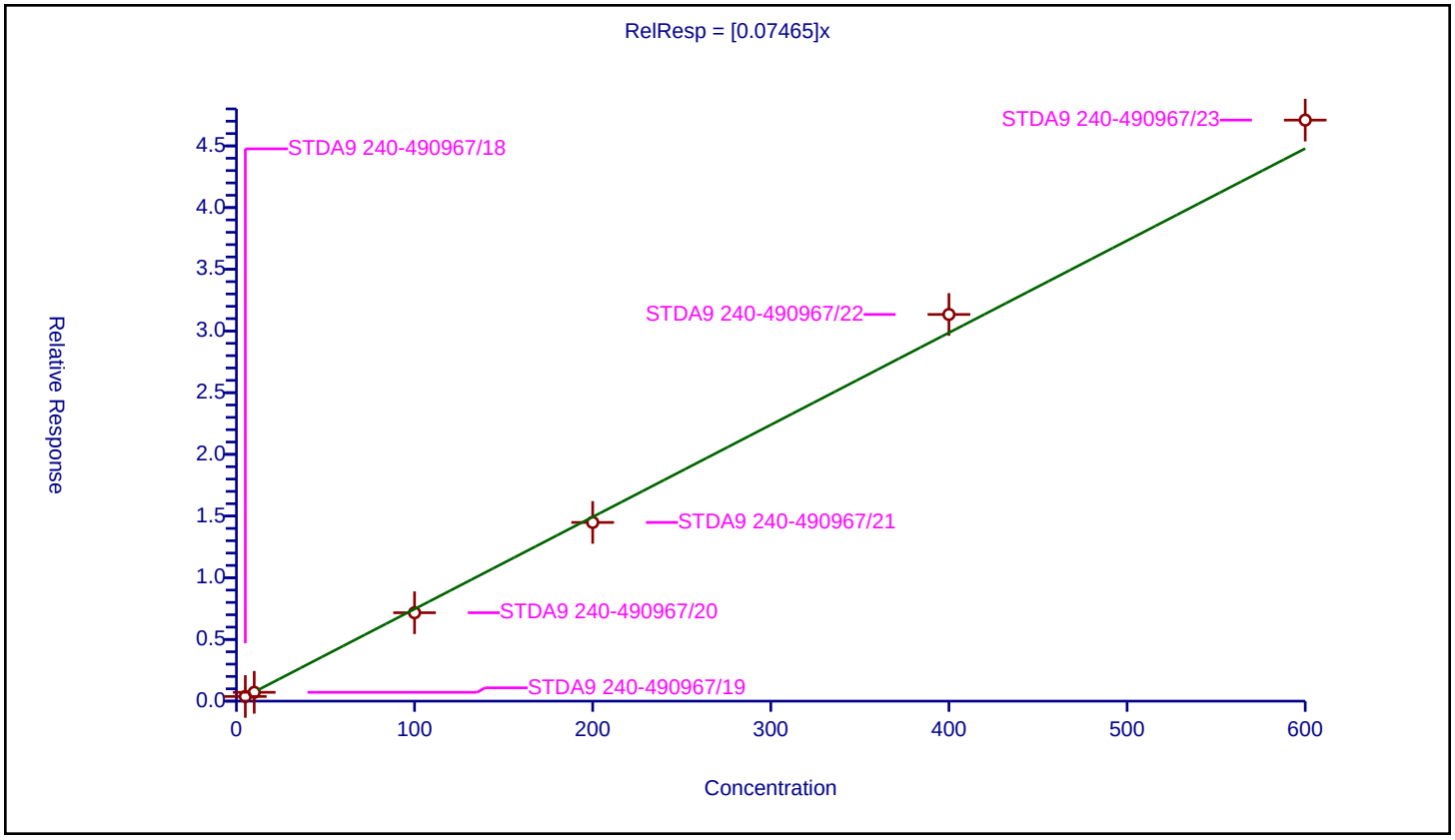
Curve Coefficients

Intercept:	0
Slope:	0.07465

Error Coefficients

Standard Error:	1070000
Relative Standard Error:	4.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-490967/18	5.0	0.377486	20.0	829275.0	0.075497	Y
2	STDA9 240-490967/19	10.0	0.71483	20.0	812585.0	0.071483	Y
3	STDA9 240-490967/20	100.0	7.165046	20.0	808821.0	0.07165	Y
4	STDA9 240-490967/21	200.0	14.483817	20.0	797624.0	0.072419	Y
5	STDA9 240-490967/22	400.0	31.340463	20.0	824215.0	0.078351	Y
6	STDA9 240-490967/23	600.0	47.091322	20.0	814638.0	0.078486	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

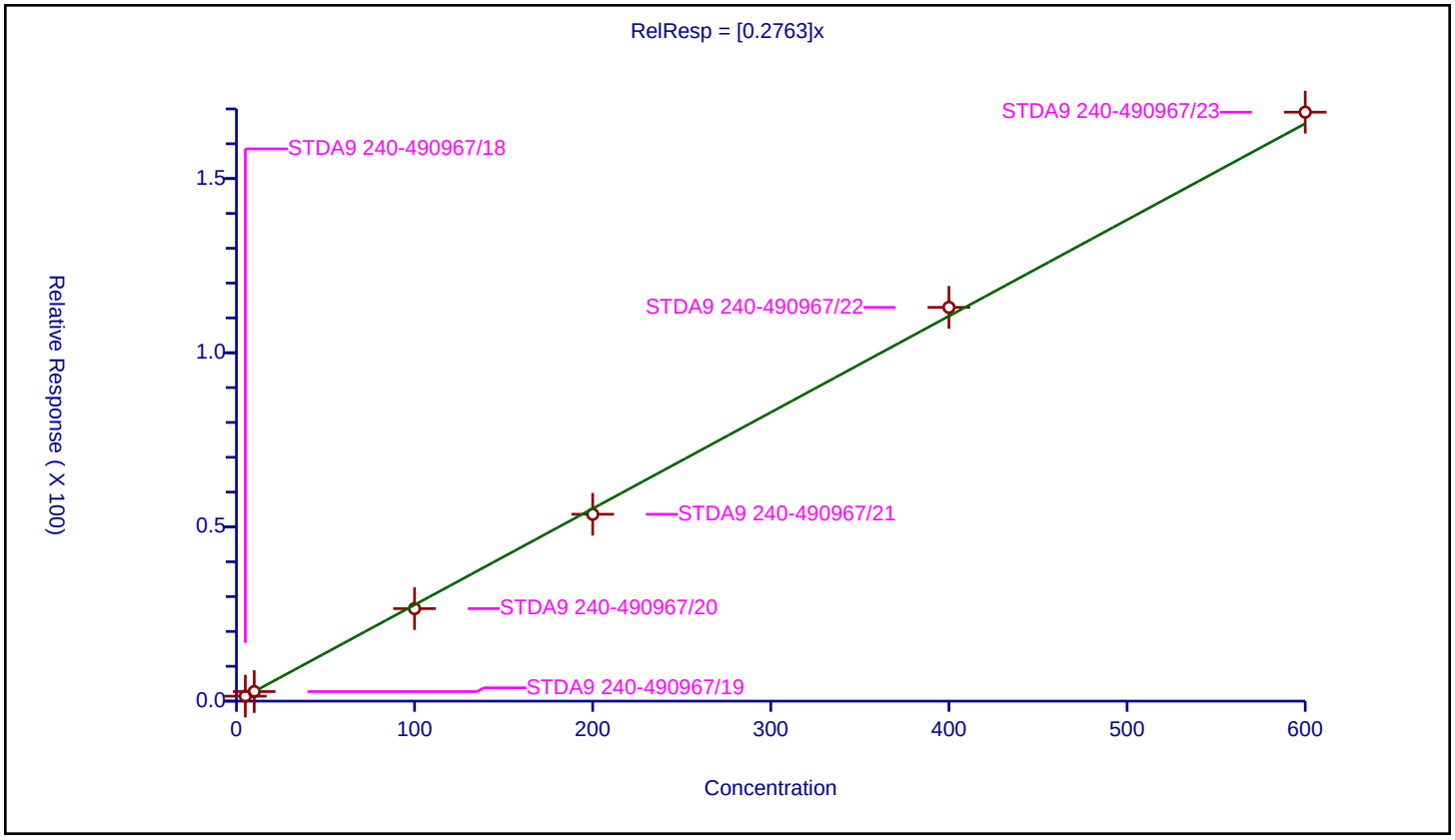
Curve Coefficients

Intercept:	0
Slope:	0.2763

Error Coefficients

Standard Error:	3870000
Relative Standard Error:	3.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-490967/18	5.0	1.427174	20.0	829275.0	0.285435	Y
2	STDA9 240-490967/19	10.0	2.74295	20.0	812585.0	0.274295	Y
3	STDA9 240-490967/20	100.0	26.556679	20.0	808821.0	0.265567	Y
4	STDA9 240-490967/21	200.0	53.64322	20.0	797624.0	0.268216	Y
5	STDA9 240-490967/22	400.0	113.030629	20.0	824215.0	0.282577	Y
6	STDA9 240-490967/23	600.0	169.070164	20.0	814638.0	0.281784	Y



Calibration / Isooctane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

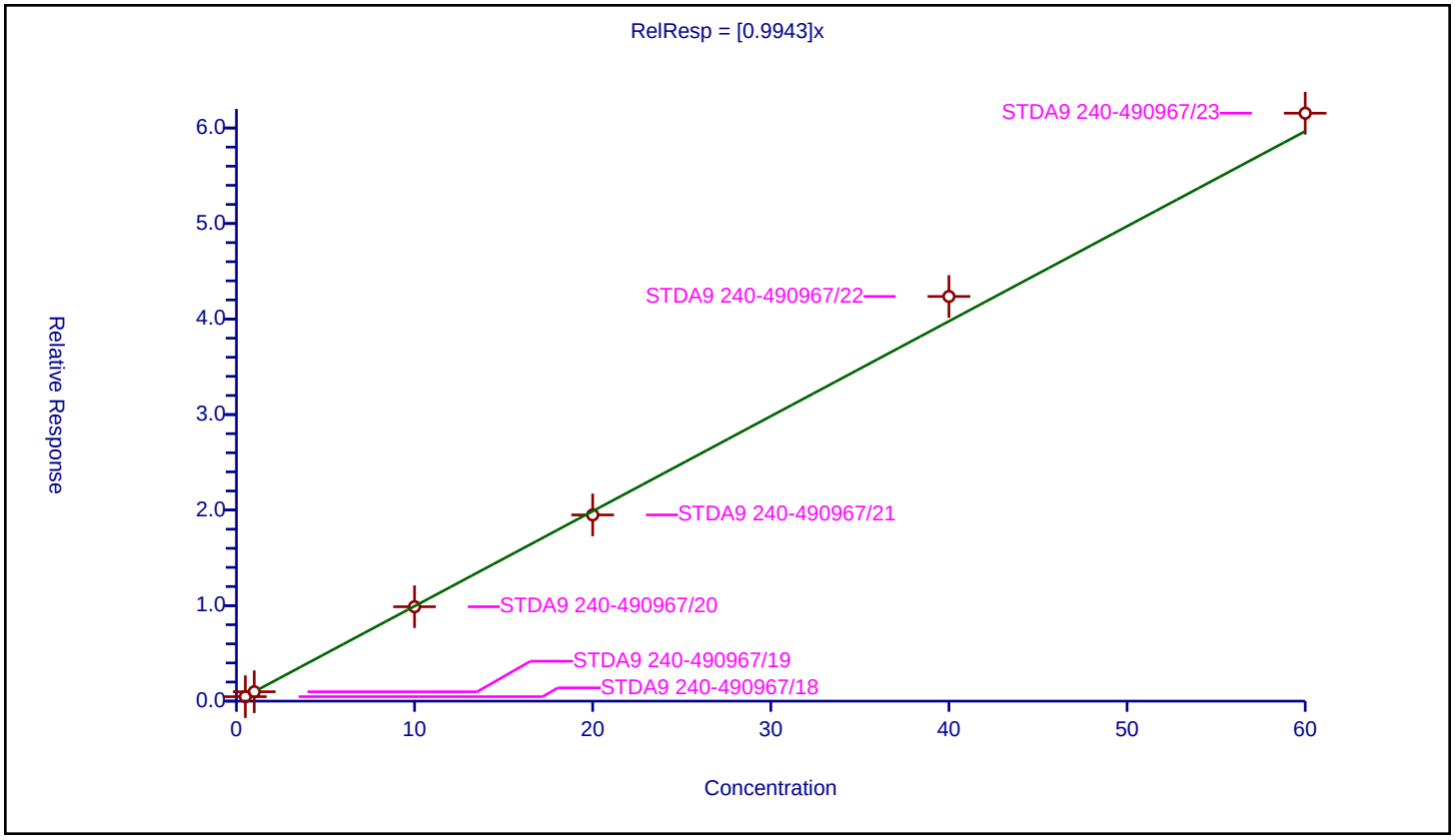
Curve Coefficients

Intercept:	0
Slope:	0.9943

Error Coefficients

Standard Error:	1420000
Relative Standard Error:	4.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-490967/18	0.5	0.466986	20.0	829275.0	0.933972	Y
2	STDA9 240-490967/19	1.0	0.983799	20.0	812585.0	0.983799	Y
3	STDA9 240-490967/20	10.0	9.883225	20.0	808821.0	0.988323	Y
4	STDA9 240-490967/21	20.0	19.494674	20.0	797624.0	0.974734	Y
5	STDA9 240-490967/22	40.0	42.362175	20.0	824215.0	1.059054	Y
6	STDA9 240-490967/23	60.0	61.548123	20.0	814638.0	1.025802	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

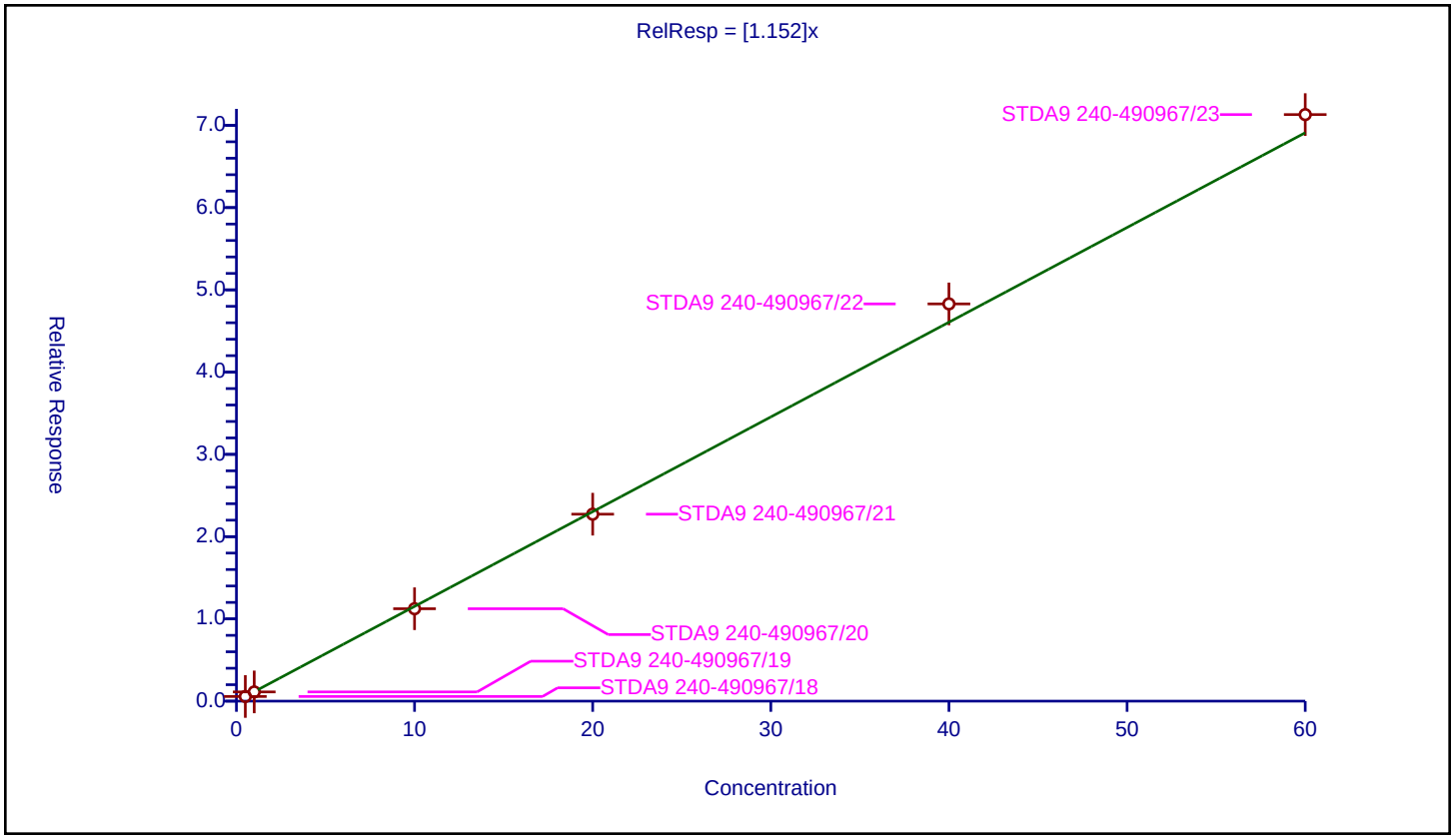
Curve Coefficients

Intercept:	0
Slope:	1.152

Error Coefficients

Standard Error:	1640000
Relative Standard Error:	3.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-490967/18	0.5	0.565602	20.0	829275.0	1.131205	Y
2	STDA9 240-490967/19	1.0	1.123009	20.0	812585.0	1.123009	Y
3	STDA9 240-490967/20	10.0	11.23408	20.0	808821.0	1.123408	Y
4	STDA9 240-490967/21	20.0	22.728353	20.0	797624.0	1.136418	Y
5	STDA9 240-490967/22	40.0	48.292594	20.0	824215.0	1.207315	Y
6	STDA9 240-490967/23	60.0	71.306445	20.0	814638.0	1.188441	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

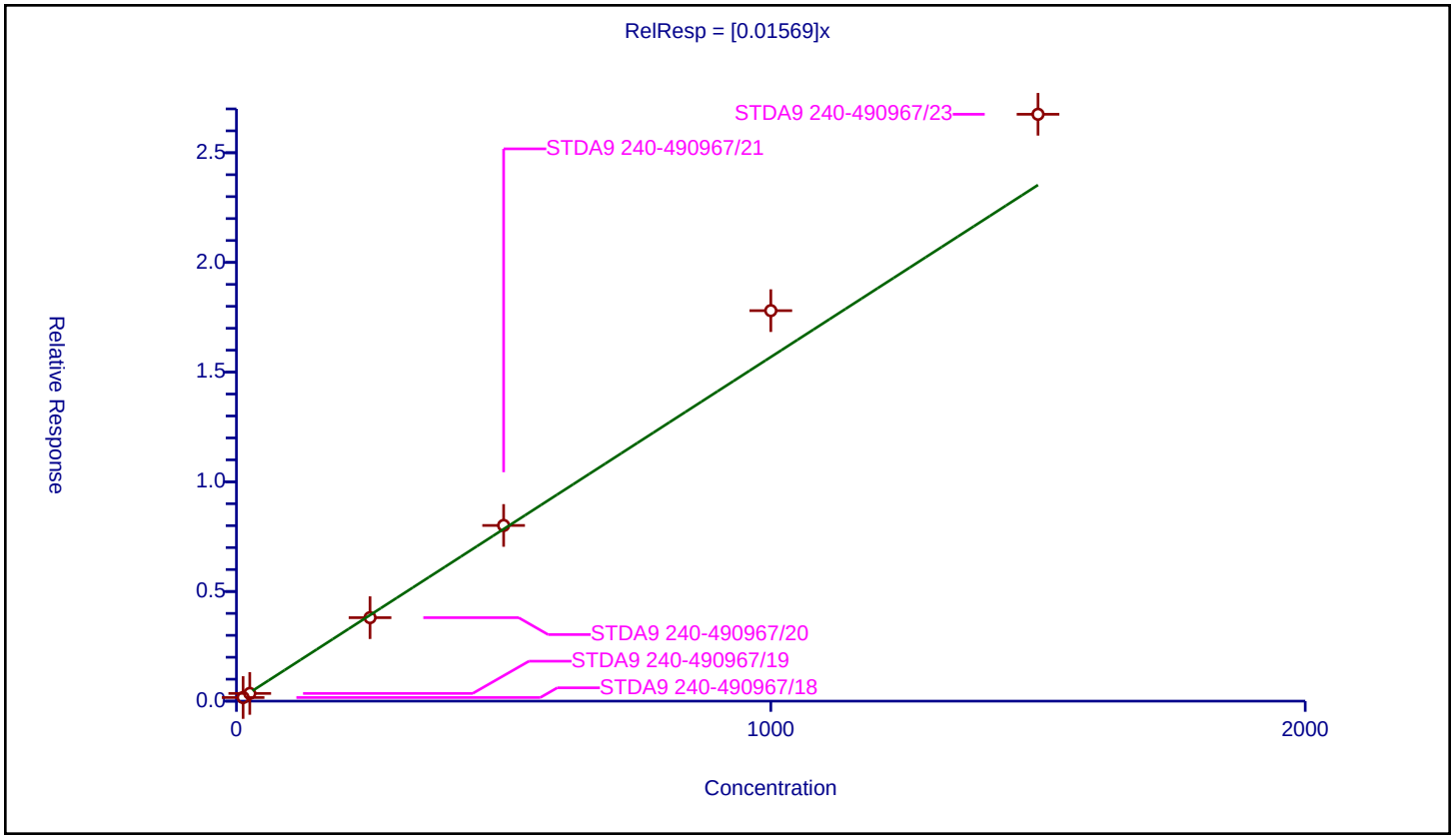
Curve Coefficients

Intercept:	0
Slope:	0.01569

Error Coefficients

Standard Error:	609000
Relative Standard Error:	12.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-490967/18	12.5	0.164819	20.0	829275.0	0.013185	Y
2	STDA9 240-490967/19	25.0	0.351496	20.0	812585.0	0.01406	Y
3	STDA9 240-490967/20	250.0	3.806182	20.0	808821.0	0.015225	Y
4	STDA9 240-490967/21	500.0	8.009789	20.0	797624.0	0.01602	Y
5	STDA9 240-490967/22	1000.0	17.802224	20.0	824215.0	0.017802	Y
6	STDA9 240-490967/23	1500.0	26.754534	20.0	814638.0	0.017836	Y



Calibration / Ethyl acrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

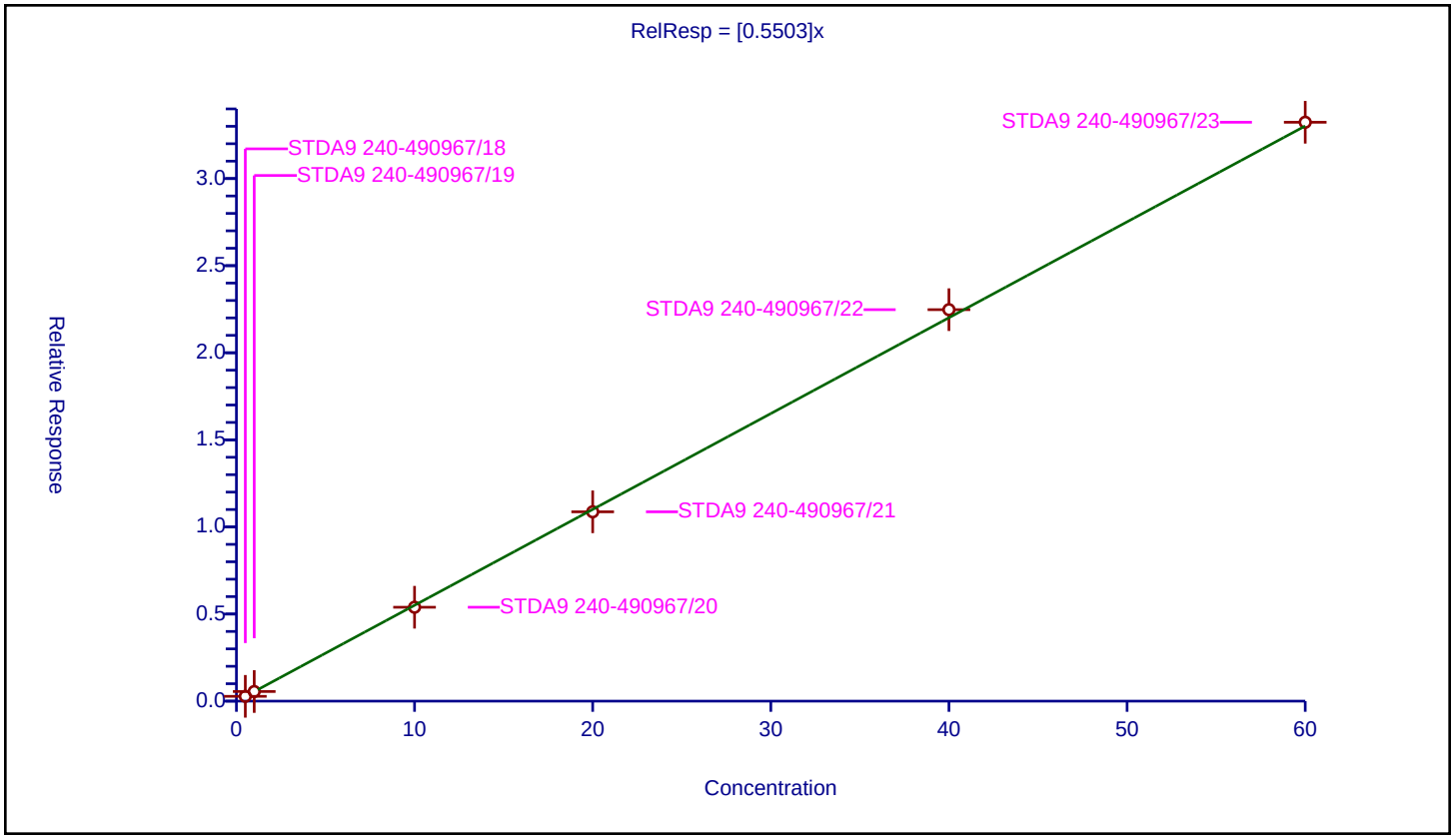
Curve Coefficients

Intercept:	0
Slope:	0.5503

Error Coefficients

Standard Error:	765000
Relative Standard Error:	1.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-490967/18	0.5	0.27588	20.0	829275.0	0.551759	Y
2	STDA9 240-490967/19	1.0	0.552016	20.0	812585.0	0.552016	Y
3	STDA9 240-490967/20	10.0	5.389845	20.0	808821.0	0.538985	Y
4	STDA9 240-490967/21	20.0	10.868354	20.0	797624.0	0.543418	Y
5	STDA9 240-490967/22	40.0	22.473821	20.0	824215.0	0.561846	Y
6	STDA9 240-490967/23	60.0	33.232798	20.0	814638.0	0.55388	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

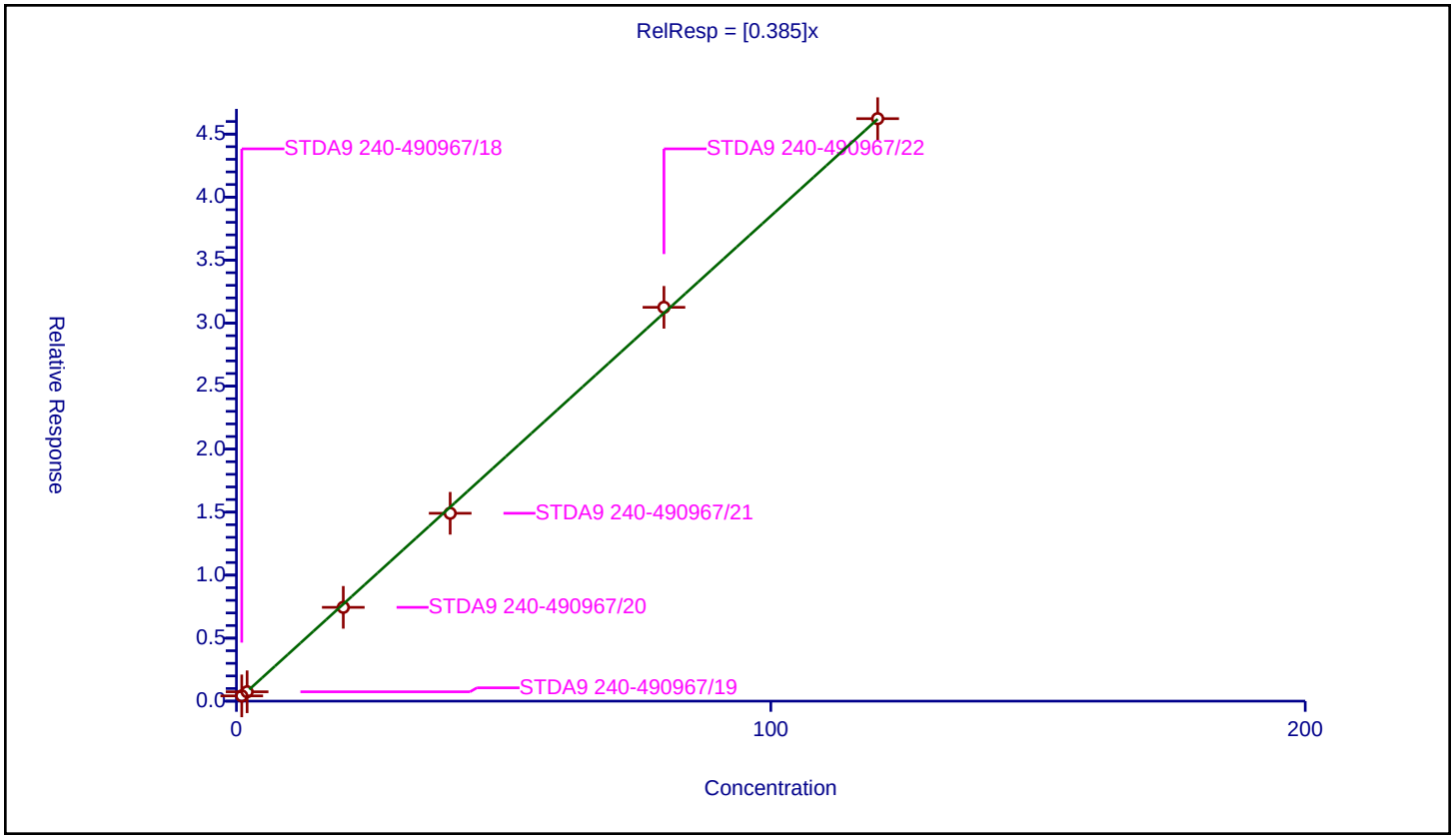
Curve Coefficients

Intercept:	0
Slope:	0.385

Error Coefficients

Standard Error:	1060000
Relative Standard Error:	4.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-490967/18	1.0	0.417497	20.0	829275.0	0.417497	Y
2	STDA9 240-490967/19	2.0	0.743159	20.0	812585.0	0.37158	Y
3	STDA9 240-490967/20	20.0	7.443279	20.0	808821.0	0.372164	Y
4	STDA9 240-490967/21	40.0	14.90923	20.0	797624.0	0.372731	Y
5	STDA9 240-490967/22	80.0	31.252816	20.0	824215.0	0.39066	Y
6	STDA9 240-490967/23	120.0	46.223918	20.0	814638.0	0.385199	Y



Calibration / 2-Nitropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

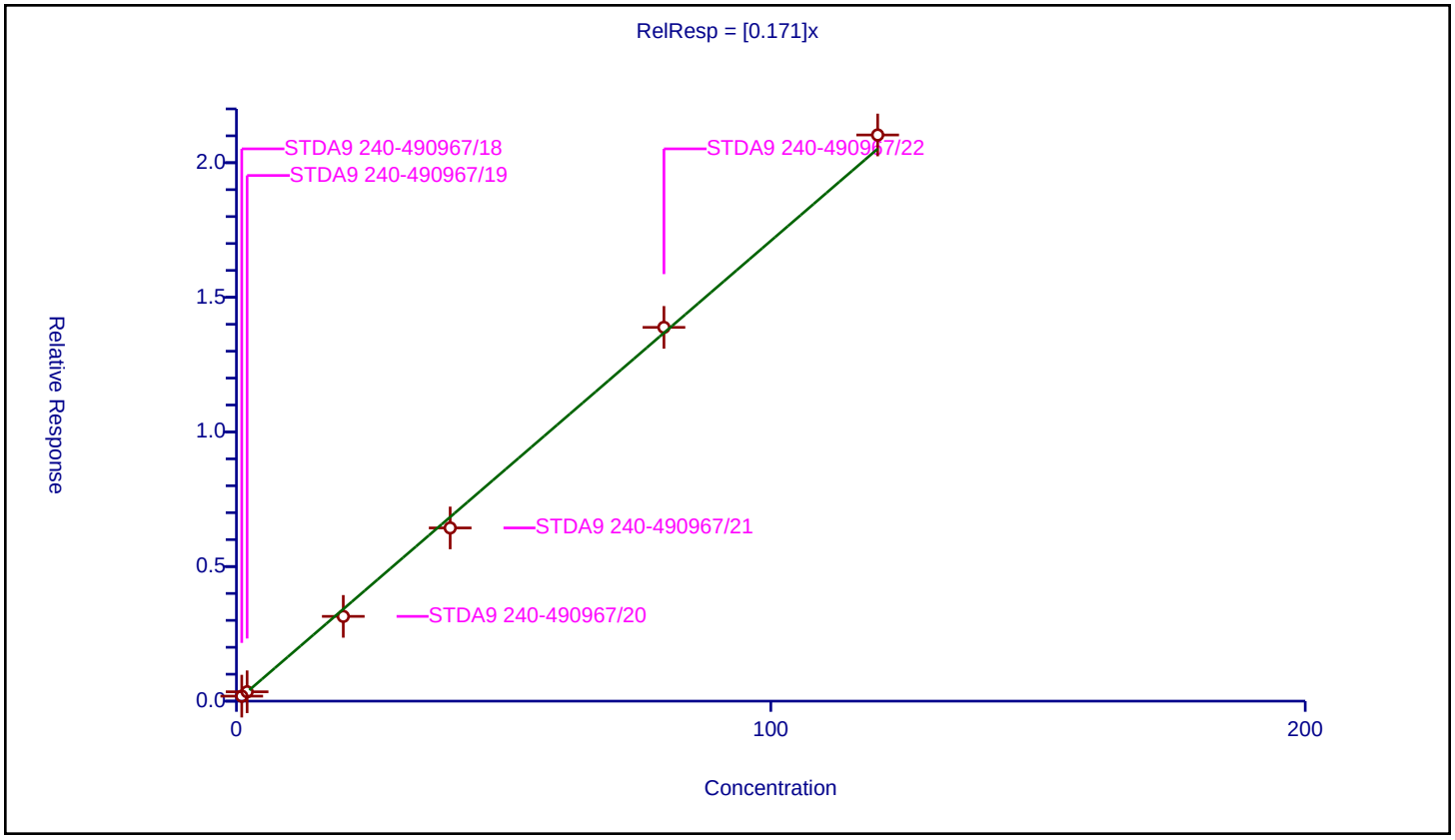
Curve Coefficients

Intercept:	0
Slope:	0.171

Error Coefficients

Standard Error:	478000
Relative Standard Error:	6.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-490967/18	1.0	0.185077	20.0	829275.0	0.185077	Y
2	STDA9 240-490967/19	2.0	0.347484	20.0	812585.0	0.173742	Y
3	STDA9 240-490967/20	20.0	3.148212	20.0	808821.0	0.157411	Y
4	STDA9 240-490967/21	40.0	6.434034	20.0	797624.0	0.160851	Y
5	STDA9 240-490967/22	80.0	13.884338	20.0	824215.0	0.173554	Y
6	STDA9 240-490967/23	120.0	21.031452	20.0	814638.0	0.175262	Y



Calibration / n-Butyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

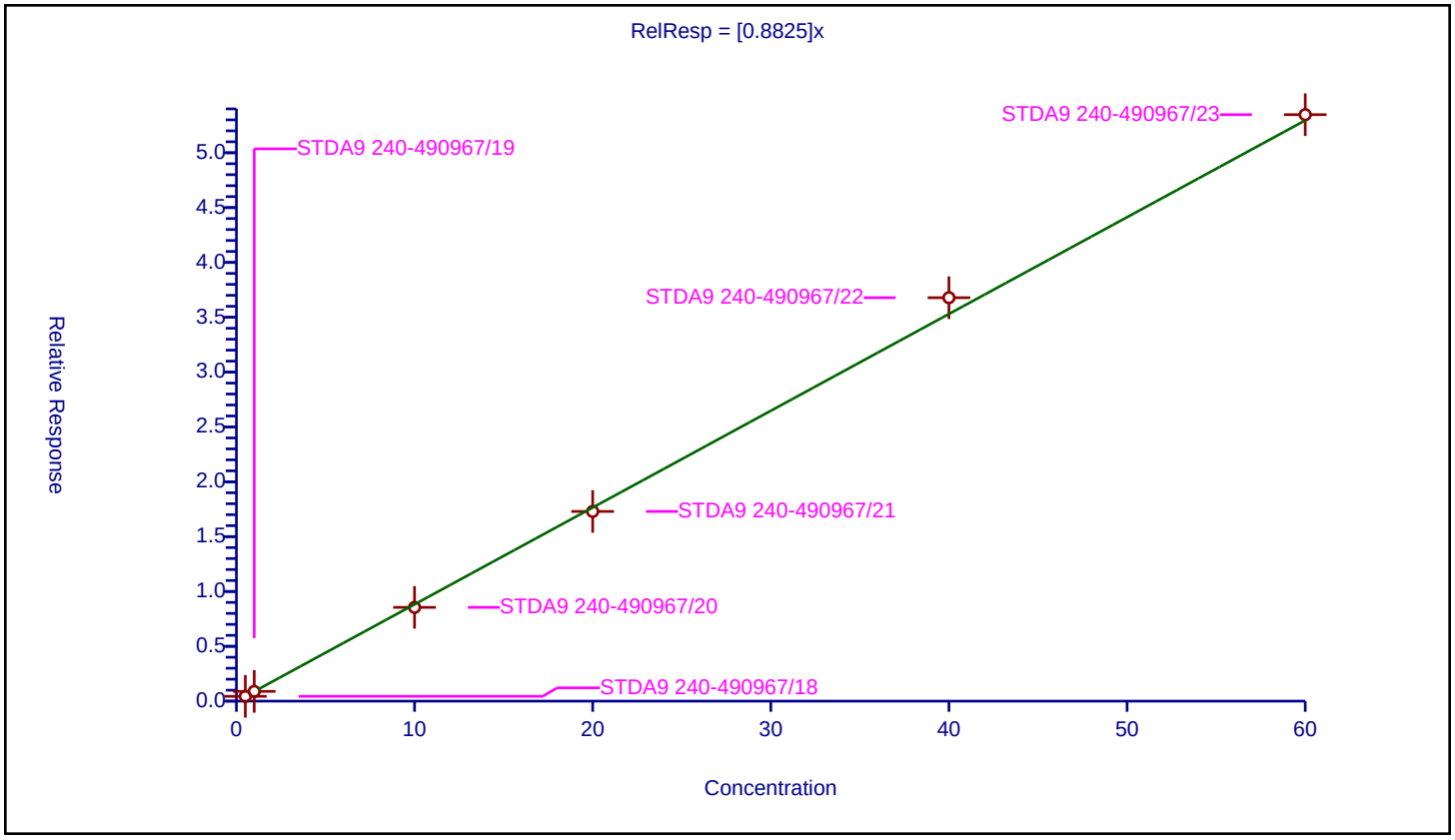
Curve Coefficients

Intercept:	0
Slope:	0.8825

Error Coefficients

Standard Error:	963000
Relative Standard Error:	2.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-490967/18	0.5	0.437831	20.0	628233.0	0.875662	Y
2	STDA9 240-490967/19	1.0	0.888924	20.0	616071.0	0.888924	Y
3	STDA9 240-490967/20	10.0	8.548852	20.0	623775.0	0.854885	Y
4	STDA9 240-490967/21	20.0	17.29767	20.0	617075.0	0.864884	Y
5	STDA9 240-490967/22	40.0	36.783771	20.0	634874.0	0.919594	Y
6	STDA9 240-490967/23	60.0	53.471856	20.0	639223.0	0.891198	Y



Calibration / 1-Chlorohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

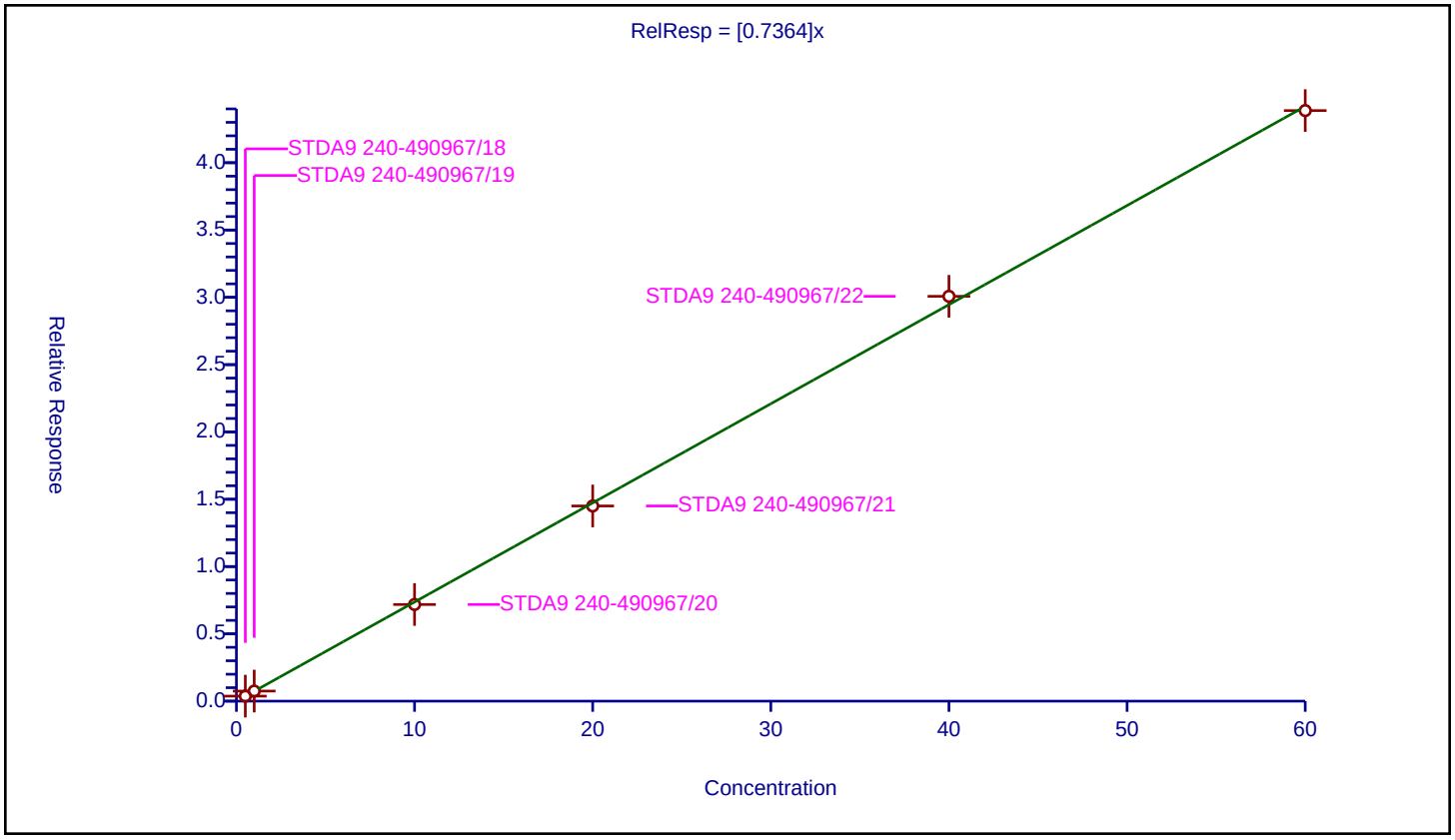
Curve Coefficients

Intercept:	0
Slope:	0.7364

Error Coefficients

Standard Error:	791000
Relative Standard Error:	1.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-490967/18	0.5	0.372219	20.0	628233.0	0.744437	Y
2	STDA9 240-490967/19	1.0	0.748063	20.0	616071.0	0.748063	Y
3	STDA9 240-490967/20	10.0	7.179929	20.0	623775.0	0.717993	Y
4	STDA9 240-490967/21	20.0	14.498173	20.0	617075.0	0.724909	Y
5	STDA9 240-490967/22	40.0	30.074881	20.0	634874.0	0.751872	Y
6	STDA9 240-490967/23	60.0	43.874172	20.0	639223.0	0.731236	Y



Calibration / Cyclohexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

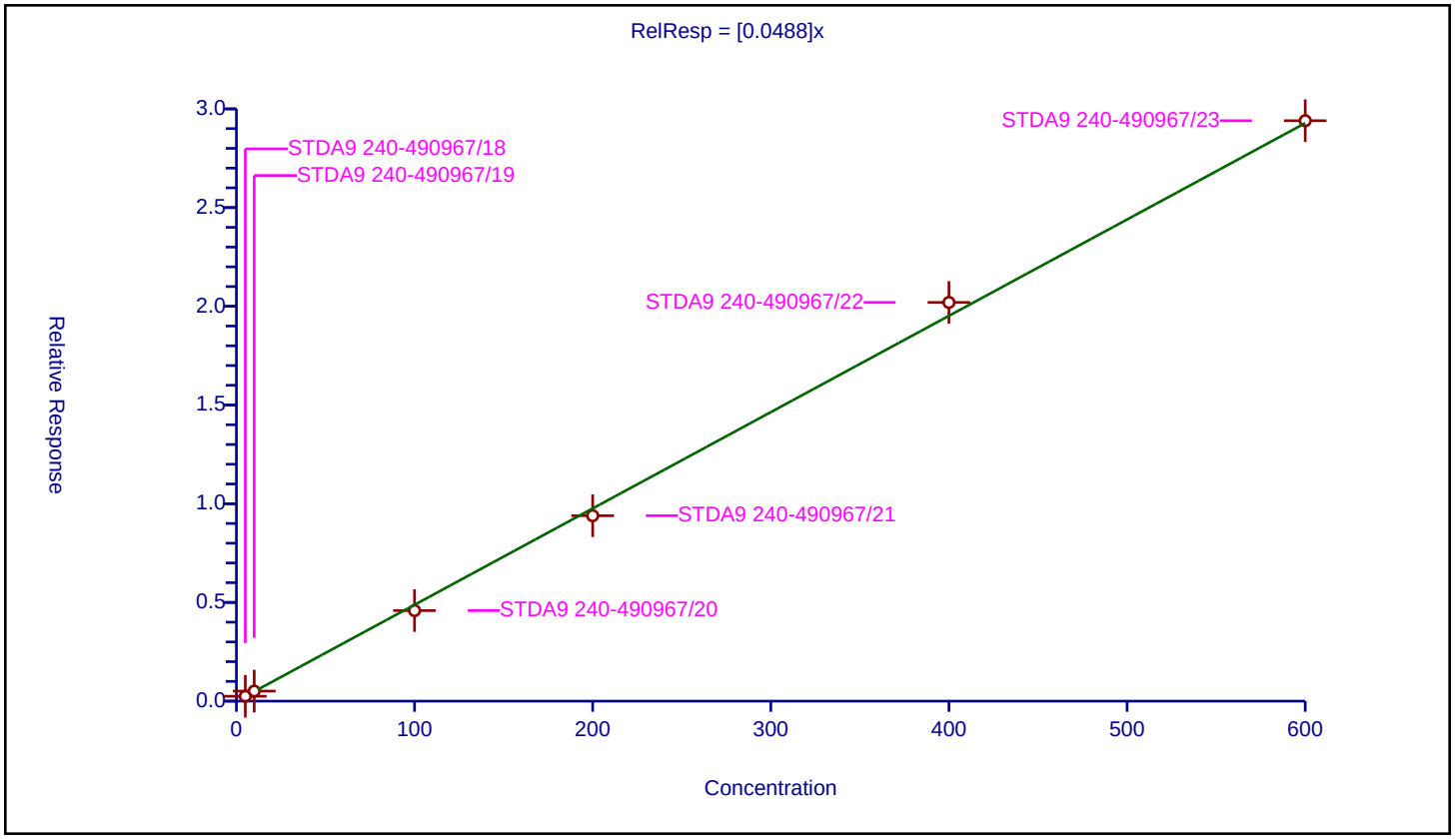
Curve Coefficients

Intercept:	0
Slope:	0.0488

Error Coefficients

Standard Error:	279000
Relative Standard Error:	4.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-490967/18	5.0	0.247362	20.0	321553.0	0.049472	Y
2	STDA9 240-490967/19	10.0	0.509743	20.0	314433.0	0.050974	Y
3	STDA9 240-490967/20	100.0	4.587662	20.0	322430.0	0.045877	Y
4	STDA9 240-490967/21	200.0	9.392667	20.0	320697.0	0.046963	Y
5	STDA9 240-490967/22	400.0	20.195501	20.0	331968.0	0.050489	Y
6	STDA9 240-490967/23	600.0	29.400387	20.0	338652.0	0.049001	Y



Calibration / Pentachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

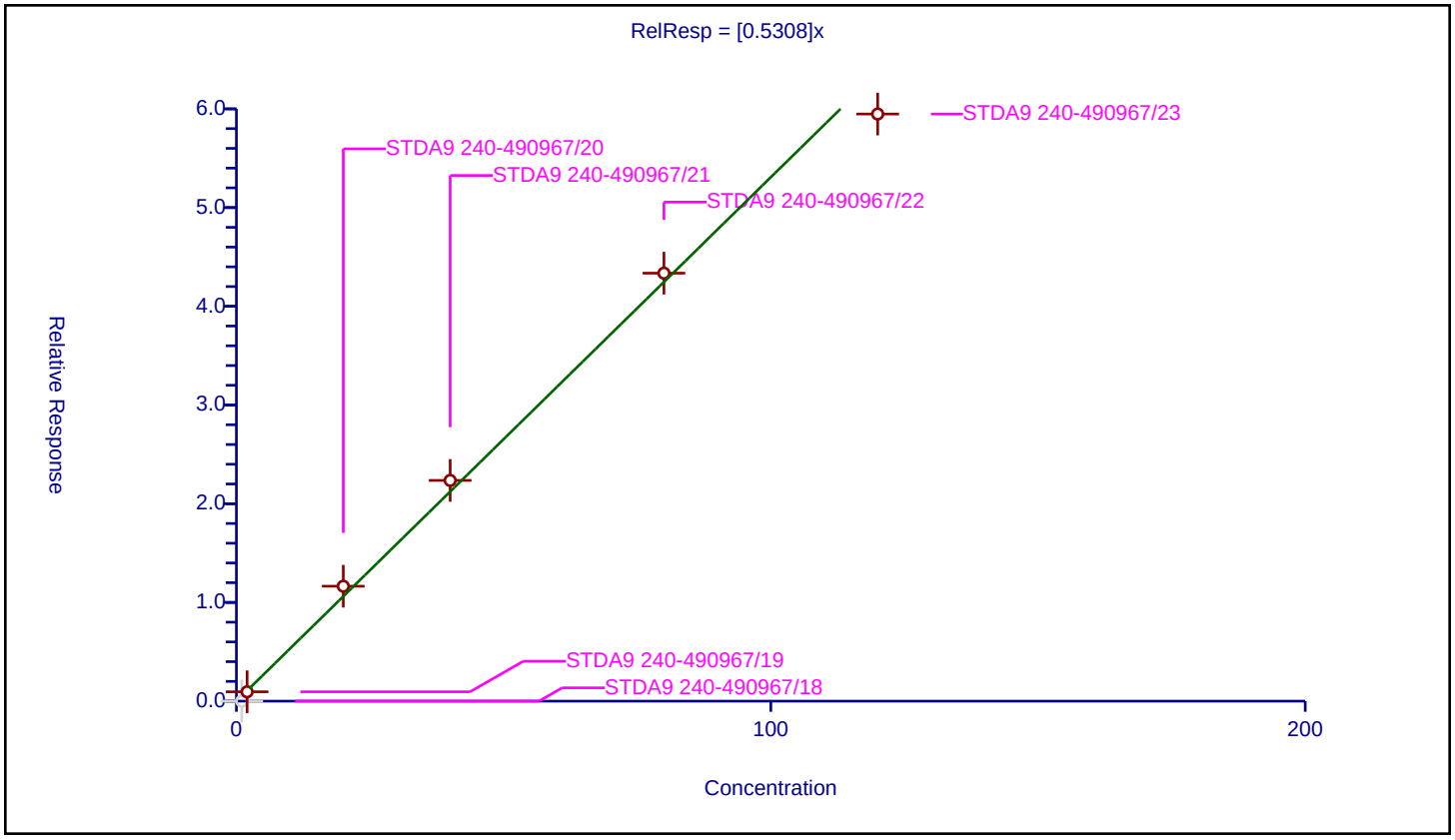
Curve Coefficients

Intercept:	0
Slope:	0.5308

Error Coefficients

Standard Error:	651000
Relative Standard Error:	8.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-490967/18	1.0	0.0	20.0	321553.0	0.0	N
2	STDA9 240-490967/19	2.0	0.949709	20.0	314433.0	0.474855	Y
3	STDA9 240-490967/20	20.0	11.644326	20.0	322430.0	0.582216	Y
4	STDA9 240-490967/21	40.0	22.362105	20.0	320697.0	0.559053	Y
5	STDA9 240-490967/22	80.0	43.357372	20.0	331968.0	0.541967	Y
6	STDA9 240-490967/23	120.0	59.48047	20.0	338652.0	0.495671	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

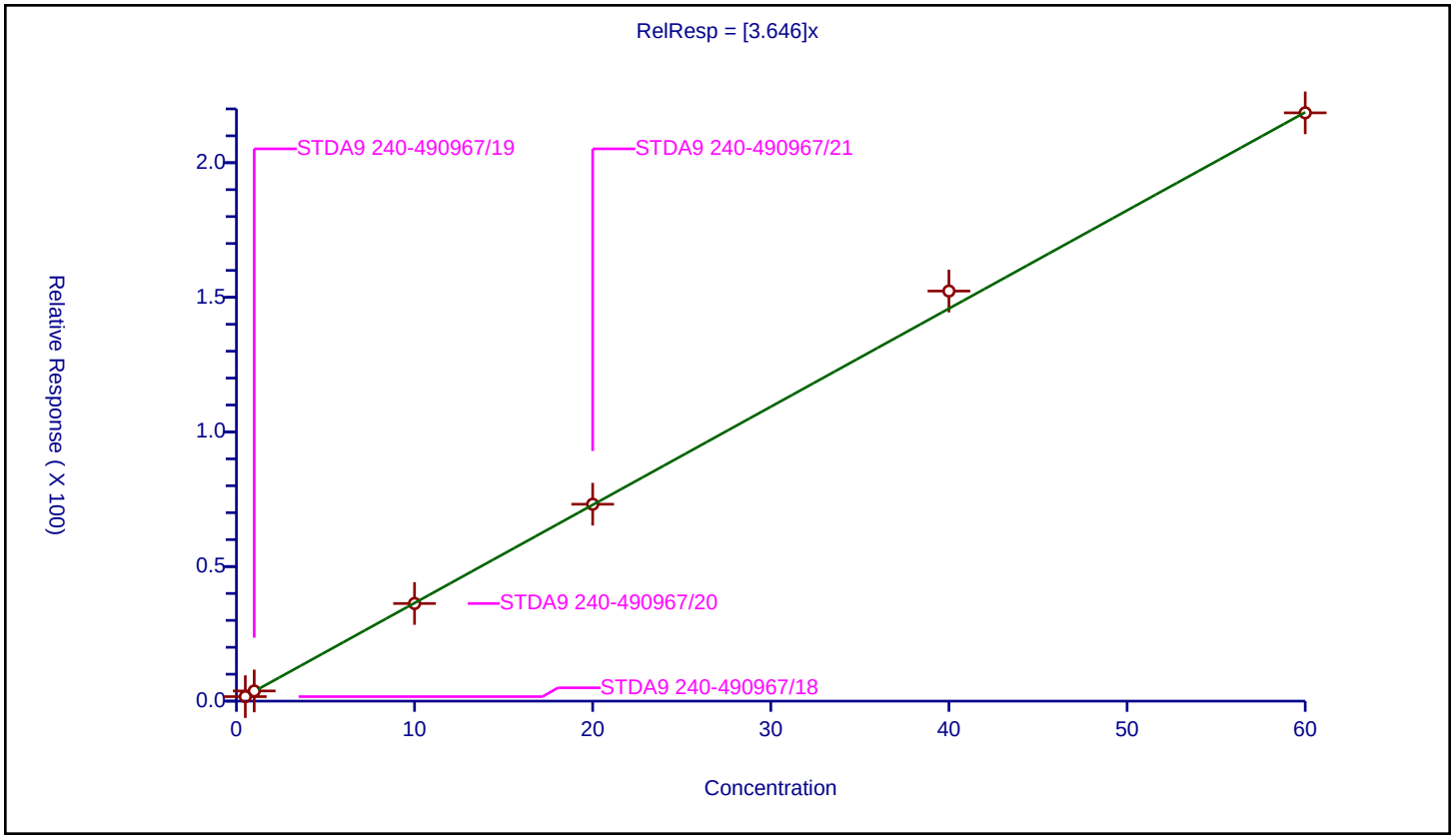
Curve Coefficients

Intercept:	0
Slope:	3.646

Error Coefficients

Standard Error:	2090000
Relative Standard Error:	4.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-490967/18	0.5	1.674872	20.0	321553.0	3.349743	Y
2	STDA9 240-490967/19	1.0	3.788406	20.0	314433.0	3.788406	Y
3	STDA9 240-490967/20	10.0	36.279068	20.0	322430.0	3.627907	Y
4	STDA9 240-490967/21	20.0	73.145118	20.0	320697.0	3.657256	Y
5	STDA9 240-490967/22	40.0	152.34143	20.0	331968.0	3.808536	Y
6	STDA9 240-490967/23	60.0	218.537968	20.0	338652.0	3.642299	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

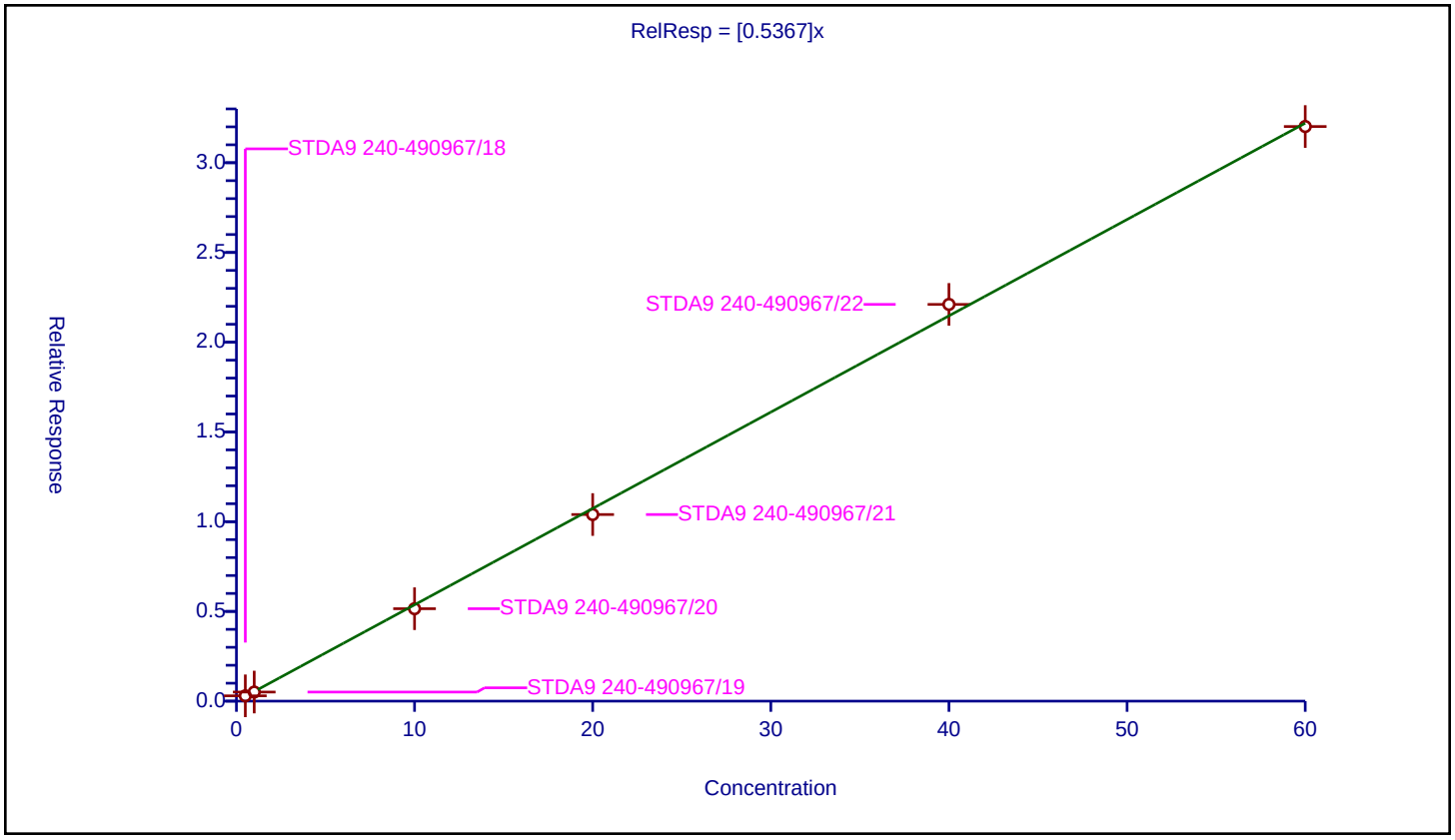
Curve Coefficients

Intercept:	0
Slope:	0.5367

Error Coefficients

Standard Error:	304000
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	STDA9 240-490967/18	0.5	0.296436	20.0	321553.0	0.592873	Y
2	STDA9 240-490967/19	1.0	0.506308	20.0	314433.0	0.506308	Y
3	STDA9 240-490967/20	10.0	5.150575	20.0	322430.0	0.515058	Y
4	STDA9 240-490967/21	20.0	10.397915	20.0	320697.0	0.519896	Y
5	STDA9 240-490967/22	40.0	22.105625	20.0	331968.0	0.552641	Y
6	STDA9 240-490967/23	60.0	32.017469	20.0	338652.0	0.533624	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

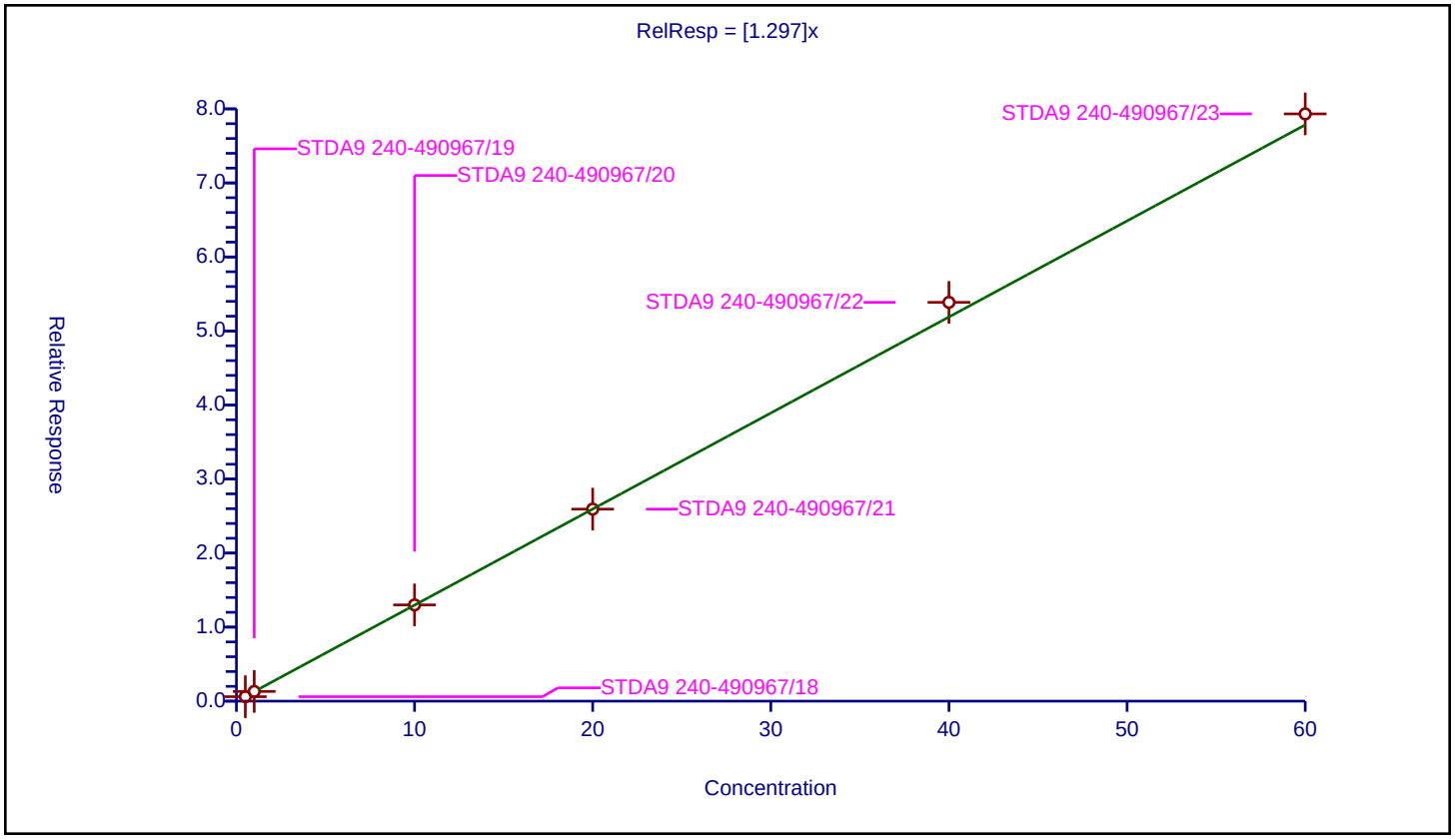
Curve Coefficients

Intercept:	0
Slope:	1.297

Error Coefficients

Standard Error:	751000
Relative Standard Error:	3.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-490967/18	0.5	0.603135	20.0	321553.0	1.206271	Y
2	STDA9 240-490967/19	1.0	1.311758	20.0	314433.0	1.311758	Y
3	STDA9 240-490967/20	10.0	13.002016	20.0	322430.0	1.300202	Y
4	STDA9 240-490967/21	20.0	25.939189	20.0	320697.0	1.296959	Y
5	STDA9 240-490967/22	40.0	53.866939	20.0	331968.0	1.346673	Y
6	STDA9 240-490967/23	60.0	79.324321	20.0	338652.0	1.322072	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

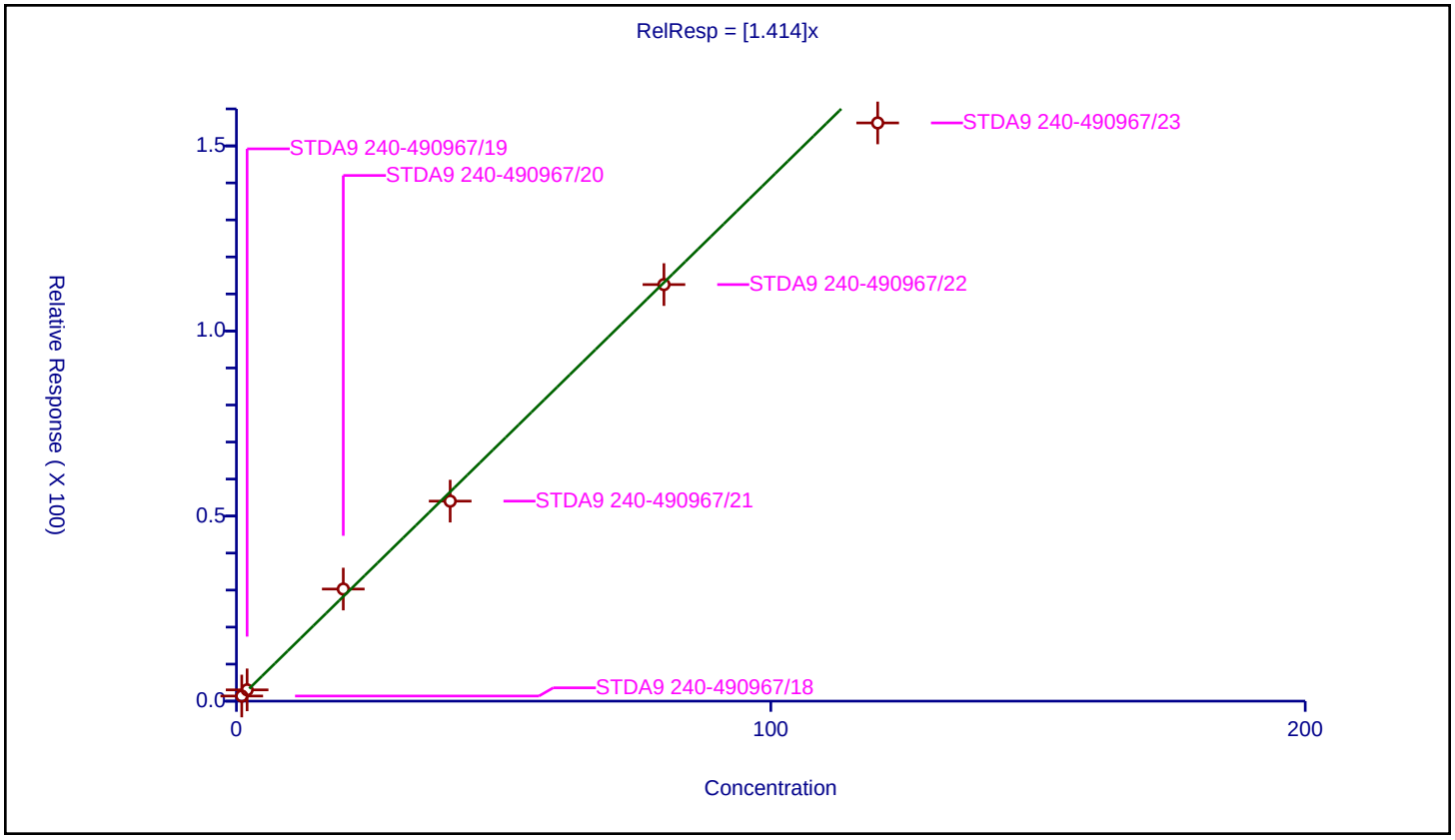
Curve Coefficients

Intercept:	0
Slope:	1.414

Error Coefficients

Standard Error:	1510000
Relative Standard Error:	6.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-490967/18	1.0	1.386272	20.0	321553.0	1.386272	Y
2	STDA9 240-490967/19	2.0	3.044337	20.0	314433.0	1.522168	Y
3	STDA9 240-490967/20	20.0	30.278262	20.0	322430.0	1.513913	Y
4	STDA9 240-490967/21	40.0	54.032747	20.0	320697.0	1.350819	Y
5	STDA9 240-490967/22	80.0	112.537353	20.0	331968.0	1.406717	Y
6	STDA9 240-490967/23	120.0	156.208202	20.0	338652.0	1.301735	Y



Calibration / 1-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

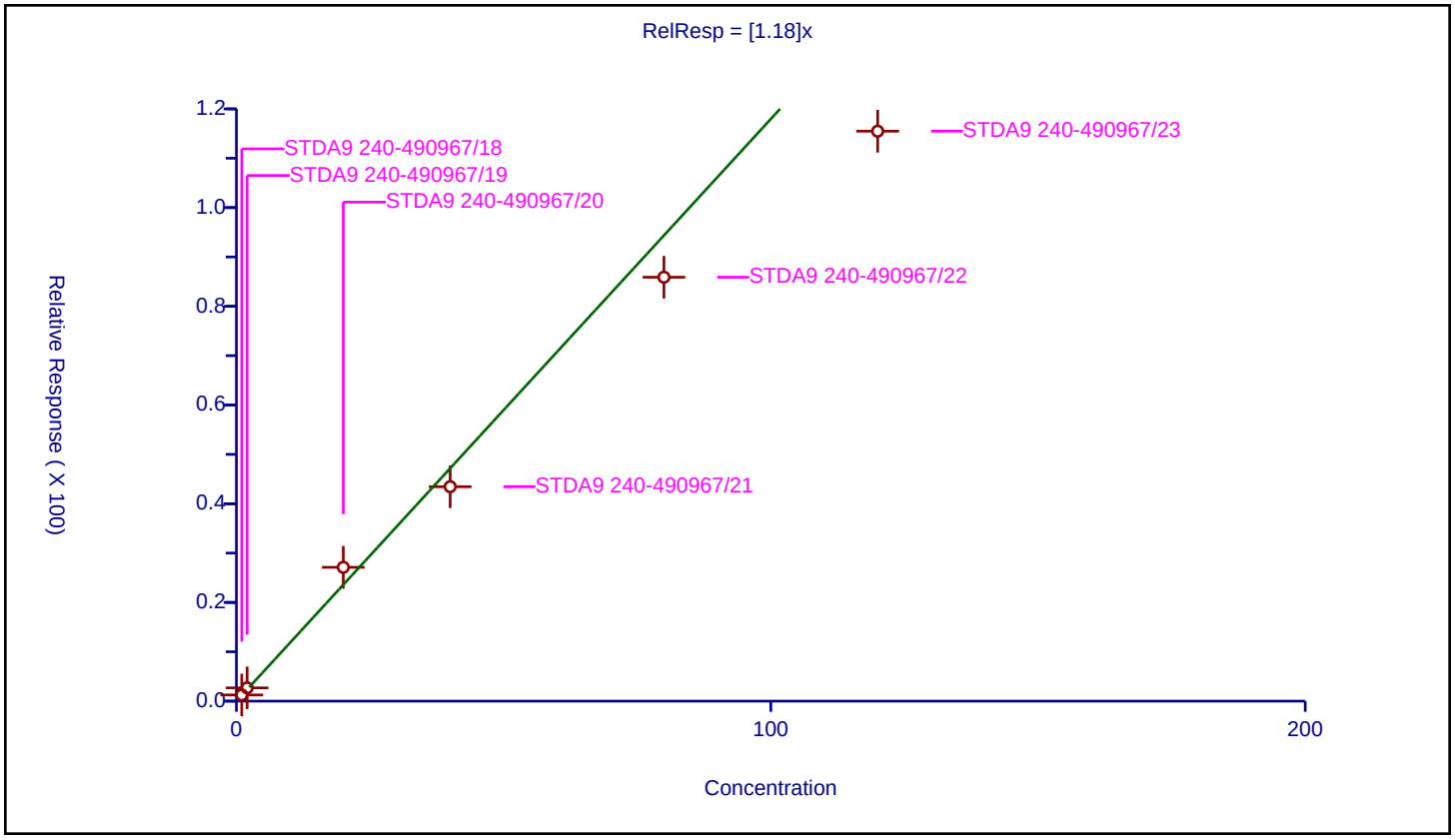
Curve Coefficients

Intercept:	0
Slope:	1.18

Error Coefficients

Standard Error:	1140000
Relative Standard Error:	13.7
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STDA9 240-490967/18	1.0	1.253728	20.0	321553.0	1.253728	Y
2	STDA9 240-490967/19	2.0	2.690748	20.0	314433.0	1.345374	Y
3	STDA9 240-490967/20	20.0	27.116583	20.0	322430.0	1.355829	Y
4	STDA9 240-490967/21	40.0	43.448801	20.0	320697.0	1.08622	Y
5	STDA9 240-490967/22	80.0	85.89605	20.0	331968.0	1.073701	Y
6	STDA9 240-490967/23	120.0	115.480493	20.0	338652.0	0.962337	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-482539/17 Calibration Date: 04/23/2021 15:17

Instrument ID: A3UX16 Calib Start Date: 04/23/2021 12:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/23/2021 14:53

Lab File ID: UXM36567.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	0.3597	0.2789	0.1000	0.0155	0.0200	-22.4	30.0
Chloromethane	Ave	0.3711	0.3284	0.1000	0.0177	0.0200	-11.5	30.0
Vinyl chloride	Ave	0.3683	0.3604	0.1000	0.0196	0.0200	-2.1	30.0
Butadiene	Ave	0.3577	0.3091		0.0173	0.0200	-13.6	30.0
Bromomethane	Lin1		0.1946	0.0500	0.0188	0.0200	-6.2	30.0
Chloroethane	Ave	0.2067	0.1970	0.0500	0.0191	0.0200	-4.7	30.0
Dichlorofluoromethane	Ave	0.4696	0.4481		0.0191	0.0200	-4.6	30.0
Trichlorofluoromethane	Ave	0.4002	0.3861	0.1000	0.0193	0.0200	-3.5	30.0
Ethyl ether	Ave	0.1785	0.1796		0.0201	0.0200	0.6	30.0
Acrolein	Ave	0.0109	0.0150		0.137	0.100	37.3*	30.0
1,1-Dichloroethene	Ave	0.2222	0.2212	0.1000	0.0199	0.0200	-0.4	30.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.1731	0.1717	0.0500	0.0198	0.0200	-0.8	30.0
Acetone	Lin1		0.0176	0.0100	0.0372	0.0400	-7.0	50.0
Iodomethane	Ave	0.2949	0.2808		0.0190	0.0200	-4.8	30.0
Carbon disulfide	Ave	0.7278	0.7245	0.1000	0.0199	0.0200	-0.5	30.0
Methyl acetate	Ave	0.1657	0.1384	0.1000	0.0334	0.0400	-16.5	50.0
3-Chloro-1-propene	Ave	0.3878	0.3775		0.0195	0.0200	-2.7	30.0
Methylene Chloride	Ave	0.2633	0.2452	0.1000	0.0186	0.0200	-6.9	50.0
tert-Butyl alcohol	Ave	0.0219	0.0190		0.173	0.200	-13.6	30.0
Acrylonitrile	Ave	0.0908	0.0796		0.175	0.200	-12.4	30.0
Methyl tert-butyl ether	Ave	0.6160	0.5803	0.1000	0.0188	0.0200	-5.8	30.0
trans-1,2-Dichloroethene	Ave	0.2664	0.2564	0.1000	0.0192	0.0200	-3.8	30.0
Hexane	Ave	0.3512	0.3357		0.0191	0.0200	-4.4	30.0
Vinyl acetate	Lin1		0.2671		0.0179	0.0200	-10.7	30.0
1,1-Dichloroethane	Ave	0.4687	0.4395	0.2000	0.0188	0.0200	-6.2	30.0
2-Butanone	Ave	0.0236	0.0214	0.0100	0.0363	0.0400	-9.3	50.0
2,2-Dichloropropane	Ave	0.4110	0.3986		0.0194	0.0200	-3.0	30.0
cis-1,2-Dichloroethene	Ave	0.2958	0.2816	0.1000	0.0190	0.0200	-4.8	30.0
Bromochloromethane	Ave	0.1306	0.1215		0.0186	0.0200	-6.9	30.0
Tetrahydrofuran	Ave	0.0672	0.0581		0.0345	0.0400	-13.6	30.0
Chloroform	Ave	0.4573	0.4257	0.2000	0.0186	0.0200	-6.9	30.0
1,1,1-Trichloroethane	Ave	0.3941	0.3751	0.1000	0.0190	0.0200	-4.8	30.0
Cyclohexane	Ave	0.4354	0.4254	0.1000	0.0195	0.0200	-2.3	30.0
1,1-Dichloropropene	Ave	0.3399	0.3314		0.0195	0.0200	-2.5	30.0
Carbon tetrachloride	Ave	0.3235	0.3208	0.1000	0.0198	0.0200	-0.8	30.0
Isobutyl alcohol	Ave	0.0069	0.0054		0.392	0.500	-21.6	30.0
Benzene	Ave	1.010	0.9527	0.5000	0.0189	0.0200	-5.7	30.0
1,2-Dichloroethane	Ave	0.3364	0.3253	0.1000	0.0193	0.0200	-3.3	30.0
n-Heptane	Lin1		0.2185		0.0201	0.0200	0.6	30.0
Trichloroethene	Ave	0.2625	0.2540	0.1500	0.0193	0.0200	-3.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-482539/17 Calibration Date: 04/23/2021 15:17

Instrument ID: A3UX16 Calib Start Date: 04/23/2021 12:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/23/2021 14:53

Lab File ID: UXM36567.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	0.4438	0.4346	0.1000	0.0196	0.0200	-2.1	30.0
1,2-Dichloropropane	Ave	0.2382	0.2354	0.1000	0.0198	0.0200	-1.2	30.0
1,4-Dioxane	Ave	0.0029	0.0025		0.345	0.400	-13.9	50.0
Dibromomethane	Ave	0.1462	0.1372		0.0188	0.0200	-6.2	30.0
Bromodichloromethane	Ave	0.3399	0.3262	0.1500	0.0192	0.0200	-4.0	30.0
2-Chloroethyl vinyl ether	Ave	0.1366	0.1278		0.0187	0.0200	-6.5	30.0
cis-1,3-Dichloropropene	Ave	0.3924	0.3869	0.1500	0.0197	0.0200	-1.4	50.0
4-Methyl-2-pentanone	Ave	0.1797	0.1613	0.0500	0.0359	0.0400	-10.2	50.0
Toluene	Ave	1.432	1.346	0.4000	0.0188	0.0200	-6.0	30.0
trans-1,3-Dichloropropene	Ave	0.4496	0.4168	0.1000	0.0185	0.0200	-7.3	30.0
Ethyl methacrylate	Ave	0.3544	0.3367		0.0190	0.0200	-5.0	30.0
1,1,2-Trichloroethane	Ave	0.2444	0.2300	0.1000	0.0188	0.0200	-5.9	30.0
Tetrachloroethene	Ave	0.2661	0.2546	0.1500	0.0191	0.0200	-4.3	30.0
1,3-Dichloropropane	Ave	0.4464	0.4252		0.0191	0.0200	-4.7	30.0
2-Hexanone	Ave	0.1652	0.1473	0.0500	0.0357	0.0400	-10.8	50.0
Dibromochloromethane	Ave	0.2822	0.2733		0.0194	0.0200	-3.2	30.0
1,2-Dibromoethane	Ave	0.2435	0.2359		0.0194	0.0200	-3.1	30.0
Chlorobenzene	Ave	0.9137	0.8639	0.3000	0.0189	0.0200	-5.5	30.0
1,1,1,2-Tetrachloroethane	Ave	0.2841	0.2781		0.0196	0.0200	-2.1	30.0
Ethylbenzene	Ave	0.5176	0.4918		0.0190	0.0200	-5.0	30.0
m-Xylene & p-Xylene	Ave	0.6543	0.6152		0.0188	0.0200	-6.0	30.0
o-Xylene	Ave	0.6167	0.5956		0.0193	0.0200	-3.4	30.0
Styrene	Ave	0.9433	1.018	0.3000	0.0216	0.0200	7.9	30.0
Bromoform	Ave	0.1723	0.1650	0.1000	0.0192	0.0200	-4.2	30.0
Isopropylbenzene	Ave	1.619	1.555	0.1000	0.0192	0.0200	-3.9	30.0
1,1,2,2-Tetrachloroethane	Ave	0.5537	0.5037	0.3000	0.0182	0.0200	-9.0	30.0
Bromobenzene	Ave	0.6628	0.6396		0.0193	0.0200	-3.5	30.0
trans-1,4-Dichloro-2-butene	Ave	0.1878	0.1778		0.0189	0.0200	-5.3	30.0
1,2,3-Trichloropropane	Ave	0.1809	0.1700		0.0188	0.0200	-6.0	30.0
n-Propylbenzene	Ave	0.8496	0.8032		0.0189	0.0200	-5.5	30.0
2-Chlorotoluene	Ave	0.6884	0.6543		0.0190	0.0200	-5.0	30.0
1,3,5-Trimethylbenzene	Ave	2.541	2.466		0.0194	0.0200	-3.0	30.0
4-Chlorotoluene	Ave	0.7179	0.6896		0.0192	0.0200	-3.9	30.0
tert-Butylbenzene	Ave	2.190	2.065		0.0189	0.0200	-5.7	30.0
1,2,4-Trimethylbenzene	Ave	2.572	2.468		0.0192	0.0200	-4.1	30.0
sec-Butylbenzene	Ave	3.284	3.132		0.0191	0.0200	-4.6	30.0
1,3-Dichlorobenzene	Ave	1.327	1.256	0.6000	0.0189	0.0200	-5.3	30.0
p-Isopropyltoluene	Ave	2.798	2.695		0.0193	0.0200	-3.7	30.0
1,4-Dichlorobenzene	Ave	1.331	1.283	0.5000	0.0193	0.0200	-3.7	30.0
n-Butylbenzene	Ave	2.529	2.425		0.0192	0.0200	-4.1	30.0
1,2-Dichlorobenzene	Ave	1.229	1.133	0.4000	0.0184	0.0200	-7.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-482539/17 Calibration Date: 04/23/2021 15:17

Instrument ID: A3UX16 Calib Start Date: 04/23/2021 12:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/23/2021 14:53

Lab File ID: UXM36567.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	0.1304	0.1217	0.0500	0.0187	0.0200	-6.6	50.0
1,2,4-Trichlorobenzene	Ave	0.7137	0.6800	0.2000	0.0191	0.0200	-4.7	50.0
Hexachlorobutadiene	Ave	0.3214	0.3160		0.0197	0.0200	-1.7	50.0
Naphthalene	Ave	1.813	1.619		0.0179	0.0200	-10.7	50.0
1,2,3-Trichlorobenzene	Ave	0.6054	0.5661		0.0187	0.0200	-6.5	30.0
Dibromofluoromethane (Surr)	Ave	0.2427	0.2571		0.0212	0.0200	5.9	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2866	0.3003		0.0210	0.0200	4.8	30.0
Toluene-d8 (Surr)	Ave	1.219	1.289		0.0212	0.0200	5.8	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4689	0.5548		0.0237	0.0200	18.3	30.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36567.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 23-Apr-2021 15:17:30 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0108510-017
Operator ID: 001765 Instrument ID: A3UX16
Sublist:

Method: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Apr-2021 08:38:48 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: bosworthh Date: 23-Apr-2021 15:40:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.846	5.846	0.000	99	1382486	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	86	1086217	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.826	10.838	-0.012	95	592489	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.265	5.264	0.001	94	355408	20.0	21.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	415102	20.0	21.0	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1400624	20.0	21.2	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	86	602638	20.0	23.7	
9 Dichlorodifluoromethane	85	1.707	1.707	0.000	99	385614	20.0	15.5	
10 Chloromethane	50	1.897	1.897	0.000	99	454053	20.0	17.7	
11 Vinyl chloride	62	2.015	2.015	0.000	98	498258	20.0	19.6	
12 Butadiene	54	2.051	2.051	0.000	98	427363	20.0	17.3	
13 Bromomethane	94	2.347	2.347	0.000	90	269022	20.0	18.8	
14 Chloroethane	64	2.466	2.466	0.000	100	272385	20.0	19.1	
15 Dichlorofluoromethane	67	2.703	2.703	0.000	97	619508	20.0	19.1	
16 Trichlorofluoromethane	101	2.727	2.727	0.000	98	533821	20.0	19.3	
17 Ethyl ether	59	3.011	3.011	0.000	90	248338	20.0	20.1	
18 Acrolein	56	3.142	3.142	0.000	99	103833	100.0	137.3	
19 1,1-Dichloroethene	96	3.237	3.237	0.000	98	305794	20.0	19.9	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.249	3.248	0.001	93	237352	20.0	19.8	
21 Acetone	58	3.284	3.284	0.000	99	48731	40.0	37.2	
23 Iodomethane	142	3.391	3.391	0.000	97	388151	20.0	19.0	
24 Carbon disulfide	76	3.450	3.450	0.000	99	1001616	20.0	19.9	
27 Methyl acetate	43	3.569	3.569	0.000	97	382534	40.0	33.4	
26 3-Chloro-1-propene	41	3.593	3.592	0.001	90	521828	20.0	19.5	
28 Methylene Chloride	84	3.711	3.711	0.000	92	338934	20.0	18.6	
29 2-Methyl-2-propanol	59	3.794	3.794	0.000	98	262155	200.0	172.8	
30 Acrylonitrile	53	3.925	3.924	0.001	99	1100731	200.0	175.3	
31 Methyl tert-butyl ether	73	3.948	3.936	0.012	96	802224	20.0	18.8	
32 trans-1,2-Dichloroethene	96	3.960	3.960	0.000	99	354426	20.0	19.2	
33 Hexane	57	4.197	4.197	0.000	92	464110	20.0	19.1	
35 Vinyl acetate	43	4.340	4.339	0.001	97	369220	20.0	17.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 1,1-Dichloroethane	63	4.352	4.351	0.001	96	607558	20.0	18.8	
40 2-Butanone (MEK)	72	4.826	4.826	0.000	99	59086	40.0	36.3	
39 cis-1,2-Dichloroethene	96	4.850	4.849	0.001	82	389310	20.0	19.0	
41 2,2-Dichloropropane	77	4.850	4.849	0.001	87	551029	20.0	19.4	
45 Chlorobromomethane	128	5.051	5.051	0.000	98	168031	20.0	18.6	
46 Tetrahydrofuran	42	5.063	5.063	0.000	87	160573	40.0	34.5	
47 Chloroform	83	5.134	5.134	0.000	94	588578	20.0	18.6	
48 1,1,1-Trichloroethane	97	5.288	5.288	0.000	99	518534	20.0	19.0	
49 Cyclohexane	56	5.348	5.347	0.001	89	588157	20.0	19.5	
51 Carbon tetrachloride	117	5.419	5.419	0.000	90	443455	20.0	19.8	
50 1,1-Dichloropropene	75	5.419	5.419	0.000	94	458105	20.0	19.5	
52 Isobutyl alcohol	41	5.466	5.466	0.000	94	188355	500.0	392.2	
54 Benzene	78	5.585	5.585	0.000	97	1317115	20.0	18.9	
53 1,2-Dichloroethane	62	5.632	5.632	0.000	98	449698	20.0	19.3	
56 n-Heptane	57	5.822	5.822	0.000	89	302024	20.0	20.1	
58 Trichloroethene	130	6.154	6.154	0.000	97	351135	20.0	19.3	
60 Methylcyclohexane	83	6.356	6.355	0.001	90	600777	20.0	19.6	
61 1,2-Dichloropropane	63	6.379	6.379	0.000	94	325444	20.0	19.8	
64 1,4-Dioxane	88	6.427	6.427	0.000	92	68505	400.0	344.6	
63 Dibromomethane	93	6.450	6.450	0.000	95	189632	20.0	18.8	
65 Dichlorobromomethane	83	6.605	6.604	0.001	99	450976	20.0	19.2	
67 2-Chloroethyl vinyl ether	63	6.830	6.830	0.000	93	176632	20.0	18.7	
68 cis-1,3-Dichloropropene	75	6.984	6.984	0.000	94	534838	20.0	19.7	
69 4-Methyl-2-pentanone (MIBK)	43	7.103	7.102	0.001	96	446088	40.0	35.9	
70 Toluene	91	7.281	7.280	0.001	98	1461825	20.0	18.8	
71 trans-1,3-Dichloropropene	75	7.482	7.482	0.000	95	452719	20.0	18.5	
72 Ethyl methacrylate	69	7.518	7.518	0.000	89	365696	20.0	19.0	
73 1,1,2-Trichloroethane	97	7.660	7.672	-0.012	91	249852	20.0	18.8	
75 Tetrachloroethene	164	7.755	7.755	0.000	98	276533	20.0	19.1	
74 1,3-Dichloropropane	76	7.814	7.814	0.000	91	461909	20.0	19.1	
76 2-Hexanone	43	7.850	7.850	0.000	95	320103	40.0	35.7	
78 Chlorodibromomethane	129	8.016	8.016	0.000	91	296851	20.0	19.4	
80 Ethylene Dibromide	107	8.134	8.134	0.000	98	256268	20.0	19.4	
82 Chlorobenzene	112	8.585	8.585	0.000	94	938348	20.0	18.9	
83 1,1,1,2-Tetrachloroethane	131	8.668	8.668	0.000	95	302108	20.0	19.6	
84 Ethylbenzene	106	8.668	8.668	0.000	99	534203	20.0	19.0	
85 m-Xylene & p-Xylene	106	8.798	8.798	0.000	97	668256	20.0	18.8	
86 o-Xylene	106	9.166	9.166	0.000	96	646993	20.0	19.3	
87 Styrene	104	9.178	9.178	0.000	95	1105815	20.0	21.6	
88 Bromoform	173	9.368	9.367	0.001	97	179266	20.0	19.2	
89 Isopropylbenzene	105	9.510	9.510	0.000	96	1689246	20.0	19.2	
92 1,1,2,2-Tetrachloroethane	83	9.806	9.806	0.000	95	298425	20.0	18.2	
93 Bromobenzene	156	9.842	9.842	0.000	96	378951	20.0	19.3	
94 trans-1,4-Dichloro-2-butene	53	9.854	9.854	0.000	84	105322	20.0	18.9	
95 1,2,3-Trichloropropane	110	9.878	9.877	0.001	80	100694	20.0	18.8	
96 N-Propylbenzene	120	9.925	9.925	0.000	99	475869	20.0	18.9	
97 2-Chlorotoluene	126	10.020	10.020	0.000	96	387676	20.0	19.0	
99 1,3,5-Trimethylbenzene	105	10.091	10.091	0.000	94	1461076	20.0	19.4	
100 4-Chlorotoluene	126	10.138	10.138	0.000	97	408567	20.0	19.2	
102 tert-Butylbenzene	119	10.411	10.411	0.000	93	1223496	20.0	18.9	
104 1,2,4-Trimethylbenzene	105	10.470	10.470	0.000	97	1462042	20.0	19.2	
105 sec-Butylbenzene	105	10.625	10.624	0.001	94	1855924	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
106 1,3-Dichlorobenzene	146	10.755	10.755	0.000	98	744197	20.0	18.9	
107 4-Isopropyltoluene	119	10.779	10.779	0.000	97	1596868	20.0	19.3	
108 1,4-Dichlorobenzene	146	10.862	10.862	0.000	96	759875	20.0	19.3	
111 n-Butylbenzene	91	11.182	11.182	0.000	97	1436690	20.0	19.2	
112 1,2-Dichlorobenzene	146	11.218	11.217	0.001	98	671188	20.0	18.4	
113 1,2-Dibromo-3-Chloropropane	157	12.000	12.000	0.000	85	72131	20.0	18.7	
115 1,2,4-Trichlorobenzene	180	12.830	12.830	0.000	94	402869	20.0	19.1	
116 Hexachlorobutadiene	225	12.973	12.972	0.001	97	187224	20.0	19.7	
117 Naphthalene	128	13.115	13.115	0.000	97	959478	20.0	17.9	
118 1,2,3-Trichlorobenzene	180	13.364	13.352	0.012	95	335418	20.0	18.7	
S 134 Trihalomethanes, Total	1				0		80.0	76.3	
S 158 Total BTEX	1				0		100.0	94.8	
S 133 Xylenes, Total	106				0		40.0	38.1	

QC Flag Legend

Processing Flags

Reagents:

vmfasgw_00404	Amount Added: 16.00	Units: uL		
VMFASAW_00371	Amount Added: 16.00	Units: uL		
vmfaspw_00395	Amount Added: 16.00	Units: uL		
vm50is_stk_a_00008	Amount Added: 2.00	Units: uL	Run Reagent	
vmDist_H2o_00191	Amount Added: 0.00	Units:	Run Reagent	
vm50ss_stk_00087	Amount Added: 2.00	Units: uL	Run Reagent	

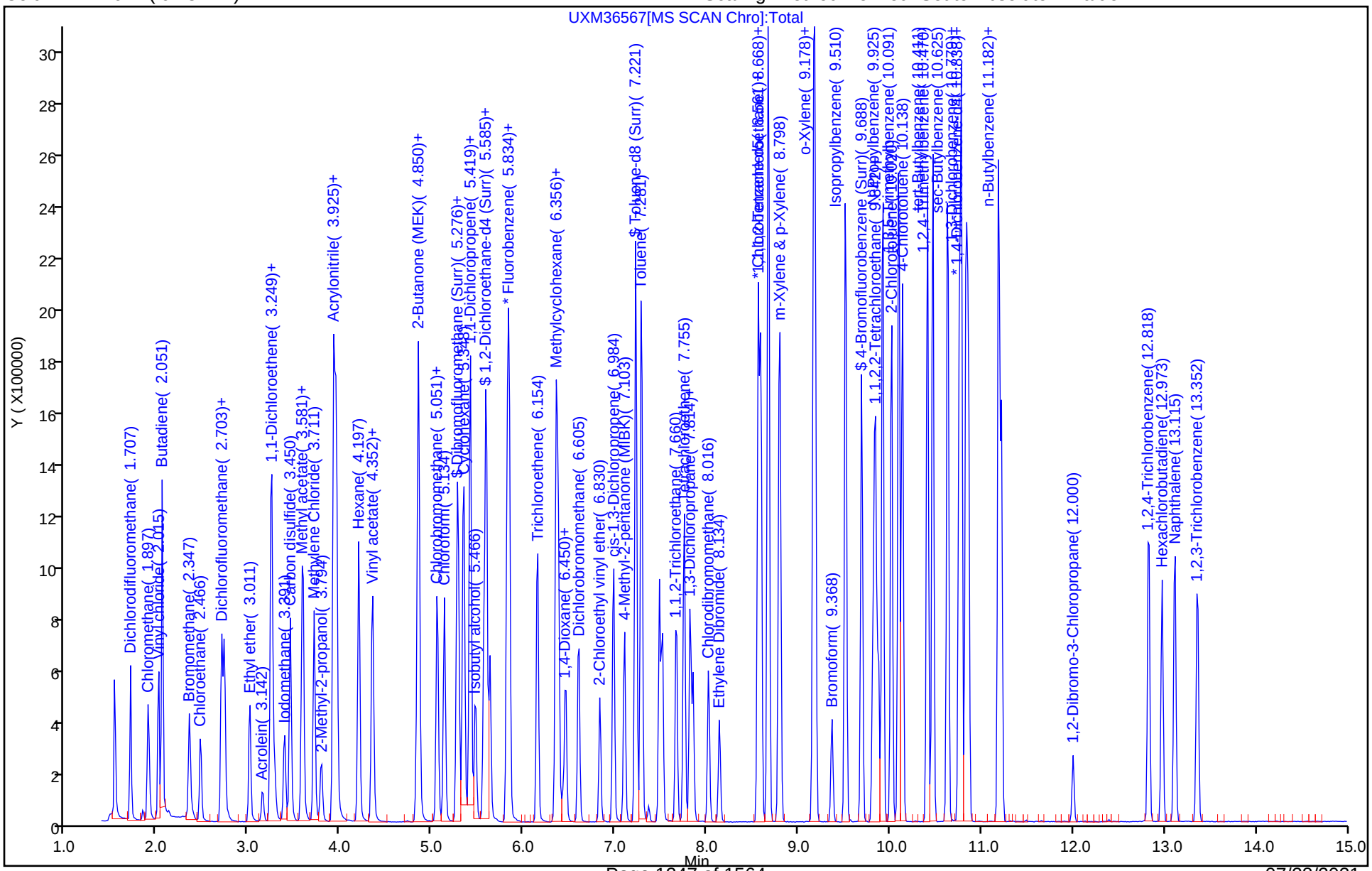
Report Date: 26-Apr-2021 08:38:51 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36567.D

Injection Date:	23-Apr-2021 15:17:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	ICV			Worklist Smp#:	17
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-482539/26 Calibration Date: 04/23/2021 18:55

Instrument ID: A3UX16 Calib Start Date: 04/23/2021 12:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/23/2021 14:53

Lab File ID: UXM36576.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	0.2427	0.2657		0.0219	0.0200	9.4	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2866	0.3175		0.0222	0.0200	10.8	30.0
Toluene-d8 (Surr)	Ave	1.219	1.338		0.0220	0.0200	9.8	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4689	0.5601		0.0239	0.0200	19.5	30.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36576.D
Lims ID: ICV a9
Client ID:
Sample Type: ICV
Inject. Date: 23-Apr-2021 18:55:30 ALS Bottle#: 26 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0108510-026
Operator ID: 001765 Instrument ID: A3UX16
Sublist:

Method: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Apr-2021 08:38:59 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: bosworthh Date: 26-Apr-2021 07:08:34

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.845	5.846	-0.001	99	1313582	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	87	1020282	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	95	546295	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.264	5.264	0.000	93	348983	20.0	21.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	99	417045	20.0	22.2	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1365627	20.0	22.0	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	87	571465	20.0	23.9	
25 Acetonitrile	41	3.557	3.545	0.012	99	405180	200.0	195.0	
36 Isopropyl ether	87	4.363	4.363	0.000	93	245920	20.0	20.6	
37 2-Chloro-1,3-butadiene	53	4.411	4.411	0.000	92	487676	20.0	19.4	
38 Tert-butyl ethyl ether	59	4.683	4.683	0.000	97	821801	20.0	20.6	
43 Ethyl acetate	43	4.849	4.849	0.000	99	411858	40.0	37.1	
42 Propionitrile	54	4.885	4.885	0.000	99	434407	200.0	189.9	
44 Methacrylonitrile	41	5.015	5.016	-0.001	92	1616178	200.0	199.1	
163 Isooctane	57	5.679	5.680	-0.001	97	944499	20.0	18.2	
55 Tert-amyl methyl ether	73	5.679	5.680	-0.001	96	762376	20.0	20.1	
57 n-Butanol	56	6.035	6.035	0.000	85	161965	500.0	500.0	
59 Ethyl acrylate	55	6.201	6.201	0.000	99	303598	20.0	18.4	
62 Methyl methacrylate	41	6.403	6.403	0.000	89	441519	40.0	38.6	
66 2-Nitropropane	41	6.794	6.794	0.000	98	175625	40.0	39.4	
77 n-Butyl acetate	43	7.944	7.945	-0.001	96	367890	20.0	19.3	
81 1-Chlorohexane	91	8.549	8.549	0.000	98	498470	20.0	18.4	
91 Cyclohexanone	55	9.616	9.617	-0.001	93	103375	200.0	200.4	
103 Pentachloroethane	167	10.447	10.447	0.000	95	120827	40.0	21.7	
109 1,2,3-Trimethylbenzene	105	10.873	10.874	-0.001	98	1381683	20.0	19.5	
110 Benzyl chloride	126	10.968	10.968	0.000	99	138527	20.0	18.6	
114 1,3,5-Trichlorobenzene	180	12.190	12.190	0.000	97	490107	20.0	19.5	
119 2-Methylnaphthalene	142	14.538	14.538	0.000	93	772711	40.0	38.1	
162 1-Methylnaphthalene	142	14.810	14.811	-0.001	0	625253	40.0	37.3	

QC Flag Legend

Processing Flags

Reagents:

vmfasa9w_00317	Amount Added:	16.00	Units: uL	
vm50is_stk_a_00008	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00191	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

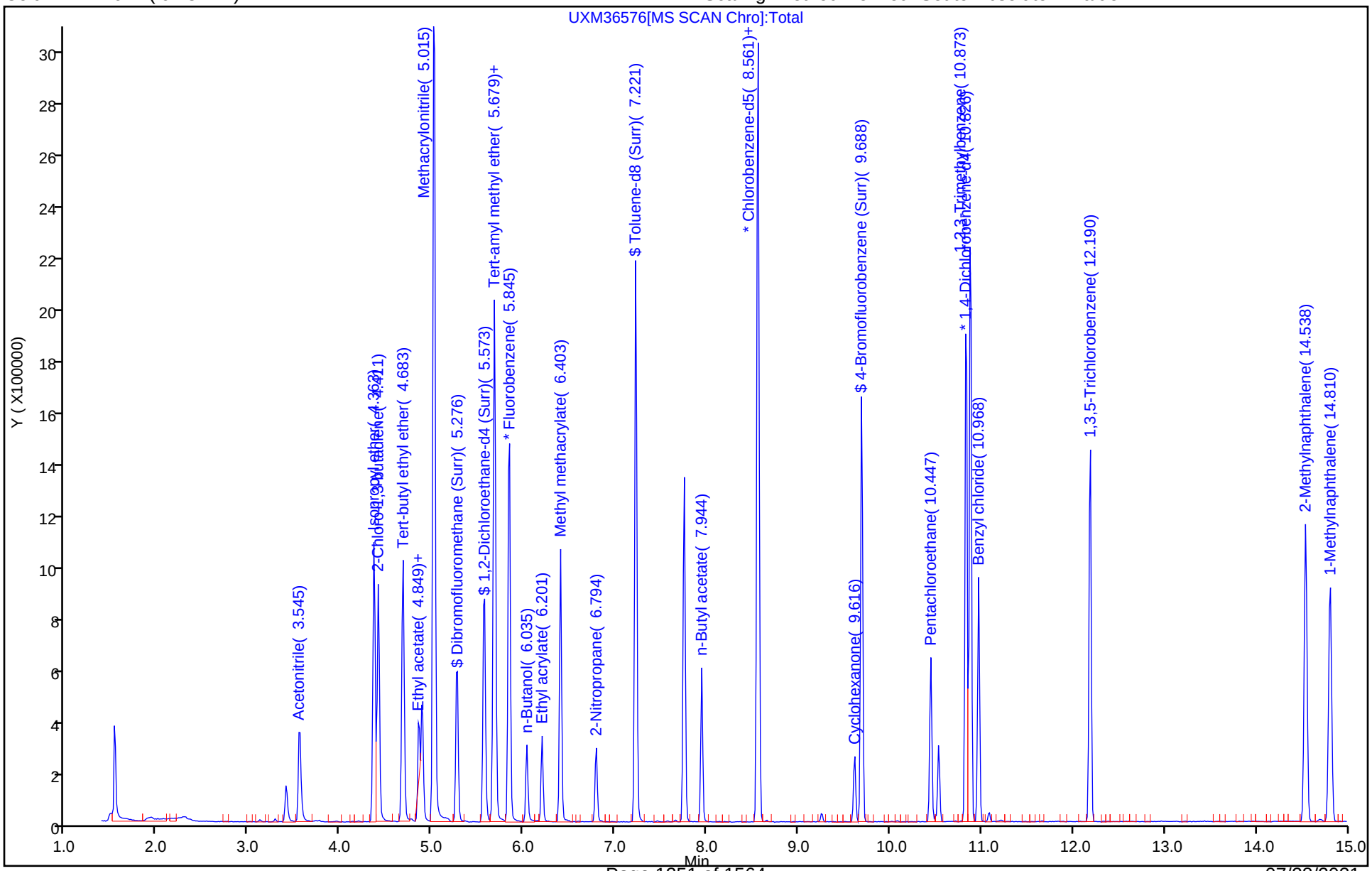
Report Date: 26-Apr-2021 08:39:01 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36576.D

Injection Date:	23-Apr-2021 18:55:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	ICV a9			Worklist Smp#:	26
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-482539/26 Calibration Date: 04/23/2021 18:55

Instrument ID: A3UX16 Calib Start Date: 04/23/2021 16:29

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/23/2021 18:30

Lab File ID: UXM36576.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	0.0316	0.0308		0.195	0.200	-2.5	30.0
Diisopropyl ether	Ave	0.1817	0.1872		0.0206	0.0200	3.1	30.0
2-Chloro-1,3-butadiene	Ave	0.3819	0.3713		0.0194	0.0200	-2.8	30.0
Ethyl-t-butyl ether (ETBE)	Ave	0.6074	0.6256		0.0206	0.0200	3.0	30.0
Ethyl acetate	Ave	0.1689	0.1568		0.0371	0.0400	-7.2	30.0
Propionitrile	Ave	0.0348	0.0331		0.190	0.200	-5.1	30.0
Methacrylonitrile	Ave	0.1236	0.1230		0.199	0.200	-0.5	30.0
Tert-amyl-methyl ether (TAME)	Ave	0.5775	0.5804		0.0201	0.0200	0.5	30.0
n-Butanol	Ave	0.0049	0.0049		0.500	0.500	0.0	30.0
Ethyl acrylate	Ave	0.2515	0.2311		0.0184	0.0200	-8.1	30.0
Methyl methacrylate	Ave	0.1743	0.1681		0.0386	0.0400	-3.6	30.0
2-Nitropropane	Lin1		0.0668		0.0394	0.0400	-1.5	30.0
n-Butyl acetate	Ave	0.2902	0.2801		0.0193	0.0200	-3.5	30.0
1-Chlorohexane	Ave	0.5303	0.4886		0.0184	0.0200	-7.9	30.0
Cyclohexanone	Lin1		0.0189		0.200	0.200	0.2	30.0
Pentachloroethane	Ave	0.1090	0.0592		0.0217	0.0400	-45.7*	30.0
1,2,3-Trimethylbenzene	Ave	2.601	2.529		0.0195	0.0200	-2.7	30.0
Benzyl chloride	Ave	0.2725	0.2536		0.0186	0.0200	-7.0	30.0
1,3,5-Trichlorobenzene	Ave	0.9222	0.8971		0.0195	0.0200	-2.7	30.0
2-Methylnaphthalene	Ave	0.7431	0.7072		0.0381	0.0400	-4.8	30.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36576.D
Lims ID: ICV a9
Client ID:
Sample Type: ICV
Inject. Date: 23-Apr-2021 18:55:30 ALS Bottle#: 26 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0108510-026
Operator ID: 001765 Instrument ID: A3UX16
Sublist:

Method: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Apr-2021 08:38:59 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: bosworthh Date: 26-Apr-2021 07:08:34

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.845	5.846	-0.001	99	1313582	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	87	1020282	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	95	546295	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.264	5.264	0.000	93	348983	20.0	21.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	99	417045	20.0	22.2	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1365627	20.0	22.0	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	87	571465	20.0	23.9	
25 Acetonitrile	41	3.557	3.545	0.012	99	405180	200.0	195.0	
36 Isopropyl ether	87	4.363	4.363	0.000	93	245920	20.0	20.6	
37 2-Chloro-1,3-butadiene	53	4.411	4.411	0.000	92	487676	20.0	19.4	
38 Tert-butyl ethyl ether	59	4.683	4.683	0.000	97	821801	20.0	20.6	
43 Ethyl acetate	43	4.849	4.849	0.000	99	411858	40.0	37.1	
42 Propionitrile	54	4.885	4.885	0.000	99	434407	200.0	189.9	
44 Methacrylonitrile	41	5.015	5.016	-0.001	92	1616178	200.0	199.1	
163 Isooctane	57	5.679	5.680	-0.001	97	944499	20.0	18.2	
55 Tert-amyl methyl ether	73	5.679	5.680	-0.001	96	762376	20.0	20.1	
57 n-Butanol	56	6.035	6.035	0.000	85	161965	500.0	500.0	
59 Ethyl acrylate	55	6.201	6.201	0.000	99	303598	20.0	18.4	
62 Methyl methacrylate	41	6.403	6.403	0.000	89	441519	40.0	38.6	
66 2-Nitropropane	41	6.794	6.794	0.000	98	175625	40.0	39.4	
77 n-Butyl acetate	43	7.944	7.945	-0.001	96	367890	20.0	19.3	
81 1-Chlorohexane	91	8.549	8.549	0.000	98	498470	20.0	18.4	
91 Cyclohexanone	55	9.616	9.617	-0.001	93	103375	200.0	200.4	
103 Pentachloroethane	167	10.447	10.447	0.000	95	120827	40.0	21.7	
109 1,2,3-Trimethylbenzene	105	10.873	10.874	-0.001	98	1381683	20.0	19.5	
110 Benzyl chloride	126	10.968	10.968	0.000	99	138527	20.0	18.6	
114 1,3,5-Trichlorobenzene	180	12.190	12.190	0.000	97	490107	20.0	19.5	
119 2-Methylnaphthalene	142	14.538	14.538	0.000	93	772711	40.0	38.1	
162 1-Methylnaphthalene	142	14.810	14.811	-0.001	0	625253	40.0	37.3	

QC Flag Legend

Processing Flags

Reagents:

vmfasa9w_00317	Amount Added:	16.00	Units: uL	
vm50is_stk_a_00008	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00191	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent

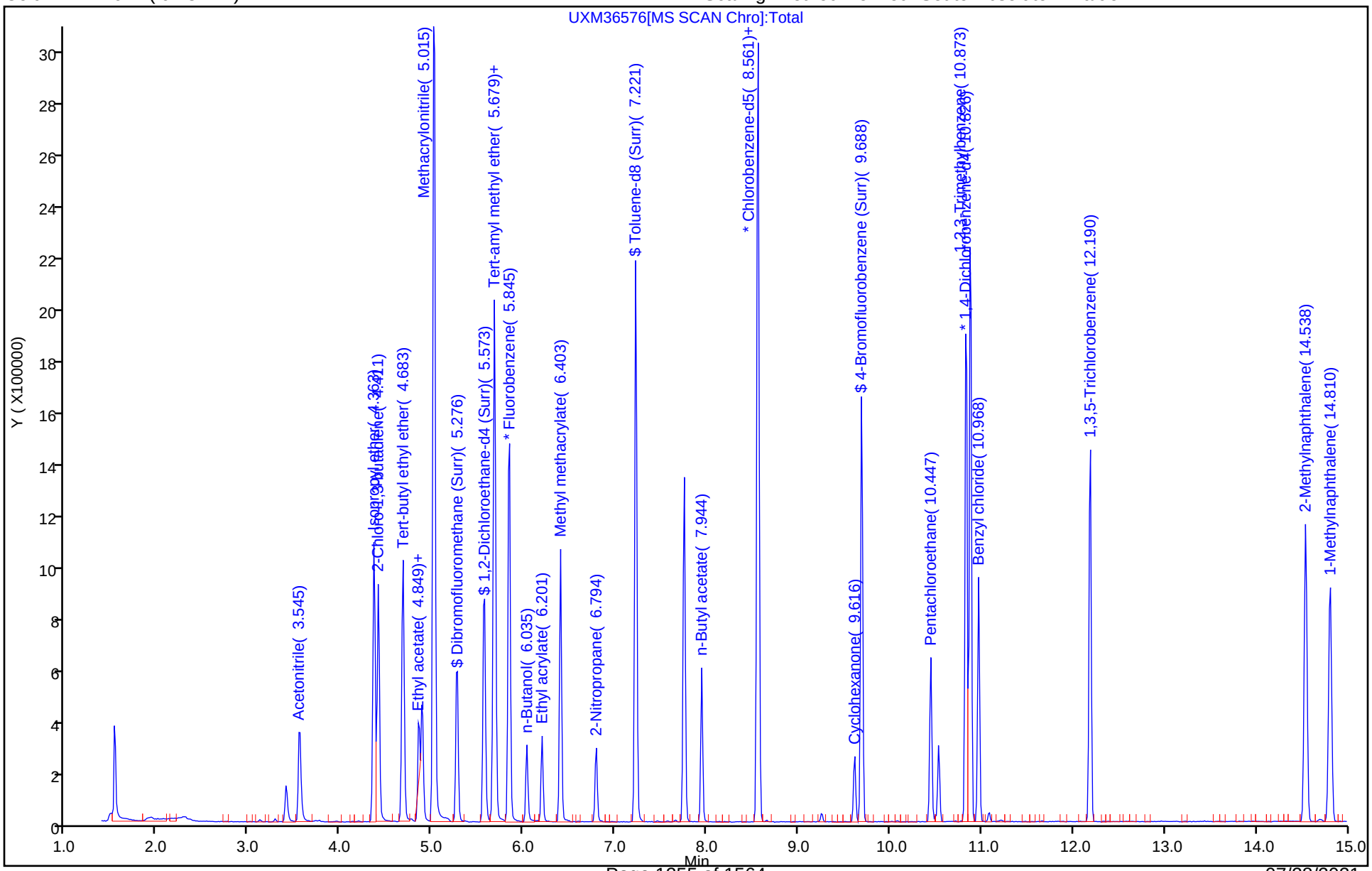
Report Date: 26-Apr-2021 08:39:01 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36576.D

Injection Date:	23-Apr-2021 18:55:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	ICV a9			Worklist Smp#:	26
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-496537/3 Calibration Date: 07/26/2021 11:26

Instrument ID: A3UX16 Calib Start Date: 04/23/2021 12:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/23/2021 14:53

Lab File ID: UXM38829.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	0.3597	0.3821	0.1000	0.0212	0.0200	6.2	20.0
Chloromethane	Ave	0.3711	0.3917	0.1000	0.0211	0.0200	5.5	20.0
Vinyl chloride	Ave	0.3683	0.4198	0.1000	0.0228	0.0200	14.0	20.0
Butadiene	Ave	0.3577	0.3861		0.0216	0.0200	7.9	20.0
Bromomethane	Lin1		0.2303	0.0500	0.0223	0.0200	11.4	20.0
Chloroethane	Ave	0.2067	0.2040	0.0500	0.0197	0.0200	-1.3	20.0
Dichlorofluoromethane	Ave	0.4696	0.4850		0.0207	0.0200	3.3	20.0
Trichlorofluoromethane	Ave	0.4002	0.4687	0.1000	0.0234	0.0200	17.1	20.0
Ethyl ether	Ave	0.1785	0.1614		0.0181	0.0200	-9.6	20.0
Acrolein	Ave	0.0109	0.0059		0.0537	0.100	-46.3*	20.0
1,1-Dichloroethene	Ave	0.2222	0.2199	0.1000	0.0198	0.0200	-1.0	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.1731	0.1857	0.0500	0.0215	0.0200	7.3	20.0
Acetone	Lin1		0.0178	0.0100	0.0376	0.0400	-5.9	50.0
Iodomethane	Ave	0.2949	0.2910		0.0197	0.0200	-1.3	20.0
Carbon disulfide	Ave	0.7278	0.6669	0.1000	0.0183	0.0200	-8.4	20.0
Methyl acetate	Ave	0.1657	0.1337	0.1000	0.0323	0.0400	-19.3	50.0
3-Chloro-1-propene	Ave	0.3878	0.3277		0.0169	0.0200	-15.5	20.0
Methylene Chloride	Ave	0.2633	0.2494	0.1000	0.0189	0.0200	-5.3	50.0
tert-Butyl alcohol	Ave	0.0219	0.0189		0.172	0.200	-14.1	20.0
Acrylonitrile	Ave	0.0908	0.0776		0.171	0.200	-14.6	20.0
Methyl tert-butyl ether	Ave	0.6160	0.5954	0.1000	0.0193	0.0200	-3.3	20.0
trans-1,2-Dichloroethene	Ave	0.2664	0.2589	0.1000	0.0194	0.0200	-2.8	20.0
Hexane	Ave	0.3512	0.3488		0.0199	0.0200	-0.7	20.0
Vinyl acetate	Lin1		0.3720		0.0246	0.0200	23.1*	20.0
1,1-Dichloroethane	Ave	0.4687	0.4387	0.2000	0.0187	0.0200	-6.4	20.0
2-Butanone	Ave	0.0236	0.0226	0.0100	0.0384	0.0400	-4.0	50.0
2,2-Dichloropropane	Ave	0.4110	0.4054		0.0197	0.0200	-1.4	20.0
cis-1,2-Dichloroethene	Ave	0.2958	0.2850	0.1000	0.0193	0.0200	-3.6	20.0
Bromochloromethane	Ave	0.1306	0.1325		0.0203	0.0200	1.4	20.0
Tetrahydrofuran	Ave	0.0672	0.0537		0.0319	0.0400	-20.2*	20.0
Chloroform	Ave	0.4573	0.4443	0.2000	0.0194	0.0200	-2.8	20.0
1,1,1-Trichloroethane	Ave	0.3941	0.4006	0.1000	0.0203	0.0200	1.6	20.0
Cyclohexane	Ave	0.4354	0.4203	0.1000	0.0193	0.0200	-3.5	20.0
1,1-Dichloropropene	Ave	0.3399	0.3412		0.0201	0.0200	0.4	20.0
Carbon tetrachloride	Ave	0.3235	0.3274	0.1000	0.0202	0.0200	1.2	20.0
Isobutyl alcohol	Ave	0.0069	0.0058		0.420	0.500	-16.1	20.0
Benzene	Ave	1.010	0.9792	0.5000	0.0194	0.0200	-3.1	20.0
1,2-Dichloroethane	Ave	0.3364	0.3426	0.1000	0.0204	0.0200	1.8	20.0
n-Heptane	Lin1		0.2224		0.0206	0.0200	2.8	20.0
Trichloroethene	Ave	0.2625	0.2655	0.1500	0.0202	0.0200	1.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-496537/3 Calibration Date: 07/26/2021 11:26

Instrument ID: A3UX16 Calib Start Date: 04/23/2021 12:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/23/2021 14:53

Lab File ID: UXM38829.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	0.4438	0.4674	0.1000	0.0211	0.0200	5.3	20.0
1,2-Dichloropropane	Ave	0.2382	0.2268	0.1000	0.0190	0.0200	-4.8	20.0
1,4-Dioxane	Ave	0.0029	0.0024		0.340	0.400	-15.1	50.0
Dibromomethane	Ave	0.1462	0.1408		0.0193	0.0200	-3.7	20.0
Bromodichloromethane	Ave	0.3399	0.3095	0.1500	0.0182	0.0200	-8.9	20.0
2-Chloroethyl vinyl ether	Ave	0.1366	0.1077		0.0315	0.0400	-21.1*	20.0
cis-1,3-Dichloropropene	Ave	0.3924	0.3744	0.1500	0.0191	0.0200	-4.6	50.0
4-Methyl-2-pentanone	Ave	0.1797	0.1536	0.0500	0.0342	0.0400	-14.6	50.0
Toluene	Ave	1.432	1.383	0.4000	0.0193	0.0200	-3.5	20.0
trans-1,3-Dichloropropene	Ave	0.4496	0.4140	0.1000	0.0184	0.0200	-7.9	20.0
Ethyl methacrylate	Ave	0.3544	0.3236		0.0183	0.0200	-8.7	20.0
1,1,2-Trichloroethane	Ave	0.2444	0.2365	0.1000	0.0194	0.0200	-3.2	20.0
Tetrachloroethene	Ave	0.2661	0.2706	0.1500	0.0203	0.0200	1.7	20.0
1,3-Dichloropropane	Ave	0.4464	0.4263		0.0191	0.0200	-4.5	20.0
2-Hexanone	Ave	0.1652	0.1387	0.0500	0.0336	0.0400	-16.0	50.0
Dibromochloromethane	Ave	0.2822	0.2469		0.0175	0.0200	-12.5	20.0
1,2-Dibromoethane	Ave	0.2435	0.2415		0.0198	0.0200	-0.8	20.0
Chlorobenzene	Ave	0.9137	0.8967	0.3000	0.0196	0.0200	-1.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2841	0.2841		0.0200	0.0200	0.0	20.0
Ethylbenzene	Ave	0.5176	0.5158		0.0199	0.0200	-0.3	20.0
m-Xylene & p-Xylene	Ave	0.6543	0.6537		0.0200	0.0200	-0.1	20.0
o-Xylene	Ave	0.6167	0.6308		0.0205	0.0200	2.3	20.0
Styrene	Ave	0.9433	1.044	0.3000	0.0221	0.0200	10.7	20.0
Bromoform	Ave	0.1723	0.1467	0.1000	0.0170	0.0200	-14.9	20.0
Isopropylbenzene	Ave	1.619	1.665	0.1000	0.0206	0.0200	2.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5537	0.5010	0.3000	0.0181	0.0200	-9.5	20.0
Bromobenzene	Ave	0.6628	0.6280		0.0189	0.0200	-5.3	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1878	0.1613		0.0172	0.0200	-14.1	20.0
1,2,3-Trichloropropane	Ave	0.1809	0.1669		0.0185	0.0200	-7.7	20.0
n-Propylbenzene	Ave	0.8496	0.8192		0.0193	0.0200	-3.6	20.0
2-Chlorotoluene	Ave	0.6884	0.6633		0.0193	0.0200	-3.6	20.0
1,3,5-Trimethylbenzene	Ave	2.541	2.412		0.0190	0.0200	-5.1	20.0
4-Chlorotoluene	Ave	0.7179	0.7022		0.0196	0.0200	-2.2	20.0
tert-Butylbenzene	Ave	2.190	2.084		0.0190	0.0200	-4.9	20.0
1,2,4-Trimethylbenzene	Ave	2.572	2.381		0.0185	0.0200	-7.4	20.0
sec-Butylbenzene	Ave	3.284	3.150		0.0192	0.0200	-4.1	20.0
1,3-Dichlorobenzene	Ave	1.327	1.280	0.6000	0.0193	0.0200	-3.5	20.0
p-Isopropyltoluene	Ave	2.798	2.692		0.0192	0.0200	-3.8	20.0
1,4-Dichlorobenzene	Ave	1.331	1.282	0.5000	0.0193	0.0200	-3.7	20.0
n-Butylbenzene	Ave	2.529	2.425		0.0192	0.0200	-4.1	20.0
1,2-Dichlorobenzene	Ave	1.229	1.169	0.4000	0.0190	0.0200	-4.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-496537/3 Calibration Date: 07/26/2021 11:26

Instrument ID: A3UX16 Calib Start Date: 04/23/2021 12:04

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/23/2021 14:53

Lab File ID: UXM38829.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	0.1304	0.1081	0.0500	0.0166	0.0200	-17.1	50.0
1,2,4-Trichlorobenzene	Ave	0.7137	0.6183	0.2000	0.0173	0.0200	-13.4	50.0
Hexachlorobutadiene	Ave	0.3214	0.3083		0.0192	0.0200	-4.1	50.0
Naphthalene	Ave	1.813	1.481		0.0163	0.0200	-18.3	50.0
1,2,3-Trichlorobenzene	Ave	0.6054	0.5077		0.0168	0.0200	-16.1	20.0
Dibromofluoromethane (Surr)	Ave	0.2427	0.2395		0.0224	0.0227	-1.3	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2866	0.2881		0.0228	0.0227	0.5	20.0
Toluene-d8 (Surr)	Ave	1.219	1.191		0.0221	0.0227	-2.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4689	0.4813		0.0233	0.0227	2.7	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\UXM38829.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 26-Jul-2021 11:26:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111551-003
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub69

Method: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jul-2021 12:35:23 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: bosworthh Date: 26-Jul-2021 12:35:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.846	5.846	0.000	99	1035564	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	826860	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	95	481981	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.265	5.265	0.000	93	281271	22.7	22.4	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	338277	22.7	22.8	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1116438	22.7	22.1	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	89	451332	22.7	23.3	
9 Dichlorodifluoromethane	85	1.707	1.707	0.000	99	395659	20.0	21.2	
10 Chloromethane	50	1.897	1.897	0.000	99	405631	20.0	21.1	
11 Vinyl chloride	62	2.015	2.015	0.000	98	434709	20.0	22.8	
12 Butadiene	54	2.051	2.051	0.000	96	399862	20.0	21.6	
13 Bromomethane	94	2.347	2.347	0.000	91	238490	20.0	22.3	E
14 Chloroethane	64	2.478	2.478	0.000	99	211206	20.0	19.7	
15 Dichlorofluoromethane	67	2.703	2.703	0.000	97	502242	20.0	20.7	
16 Trichlorofluoromethane	101	2.727	2.727	0.000	98	485407	20.0	23.4	
17 Ethyl ether	59	3.011	3.011	0.000	88	167164	20.0	18.1	
18 Acrolein	56	3.154	3.154	0.000	99	30427	100.0	53.7	
19 1,1-Dichloroethene	96	3.237	3.237	0.000	98	227735	20.0	19.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.249	3.249	0.000	92	192318	20.0	21.5	
21 Acetone	58	3.284	3.284	0.000	100	36890	40.0	37.6	
23 Iodomethane	142	3.391	3.391	0.000	97	301309	20.0	19.7	
24 Carbon disulfide	76	3.450	3.450	0.000	99	690632	20.0	18.3	
27 Methyl acetate	43	3.569	3.569	0.000	97	276808	40.0	32.3	
26 3-Chloro-1-propene	41	3.592	3.592	0.000	86	339350	20.0	16.9	
28 Methylene Chloride	84	3.711	3.711	0.000	89	258319	20.0	18.9	
29 2-Methyl-2-propanol	59	3.794	3.794	0.000	99	195206	200.0	171.8	
30 Acrylonitrile	53	3.925	3.925	0.000	98	803799	200.0	170.9	
31 Methyl tert-butyl ether	73	3.936	3.936	0.000	95	616599	20.0	19.3	
32 trans-1,2-Dichloroethene	96	3.960	3.960	0.000	98	268105	20.0	19.4	
33 Hexane	57	4.197	4.197	0.000	92	361223	20.0	19.9	
35 Vinyl acetate	43	4.340	4.340	0.000	97	385185	20.0	24.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 1,1-Dichloroethane	63	4.351	4.351	0.000	96	454307	20.0	18.7	
40 2-Butanone (MEK)	72	4.826	4.826	0.000	99	46837	40.0	38.4	
39 cis-1,2-Dichloroethene	96	4.849	4.849	0.000	82	295157	20.0	19.3	
41 2,2-Dichloropropane	77	4.849	4.849	0.000	88	419800	20.0	19.7	
45 Chlorobromomethane	128	5.051	5.051	0.000	94	137191	20.0	20.3	
46 Tetrahydrofuran	42	5.063	5.063	0.000	84	111137	40.0	31.9	
47 Chloroform	83	5.134	5.134	0.000	94	460133	20.0	19.4	
48 1,1,1-Trichloroethane	97	5.288	5.288	0.000	98	414802	20.0	20.3	
49 Cyclohexane	56	5.348	5.348	0.000	88	435262	20.0	19.3	
50 1,1-Dichloropropene	75	5.419	5.419	0.000	93	353376	20.0	20.1	
51 Carbon tetrachloride	117	5.419	5.419	0.000	89	339060	20.0	20.2	
52 Isobutyl alcohol	41	5.478	5.478	0.000	93	150971	500.0	419.7	
54 Benzene	78	5.585	5.585	0.000	97	1013980	20.0	19.4	
53 1,2-Dichloroethane	62	5.632	5.632	0.000	98	354780	20.0	20.4	
56 n-Heptane	57	5.822	5.822	0.000	88	230341	20.0	20.6	
58 Trichloroethene	130	6.154	6.154	0.000	97	274943	20.0	20.2	
60 Methylcyclohexane	83	6.355	6.355	0.000	88	484033	20.0	21.1	
61 1,2-Dichloropropane	63	6.379	6.379	0.000	93	234889	20.0	19.0	
64 1,4-Dioxane	88	6.427	6.427	0.000	92	50584	400.0	339.6	
63 Dibromomethane	93	6.450	6.450	0.000	95	145766	20.0	19.3	
65 Dichlorobromomethane	83	6.605	6.605	0.000	99	320544	20.0	18.2	
67 2-Chloroethyl vinyl ether	63	6.830	6.830	0.000	93	223153	40.0	31.5	
68 cis-1,3-Dichloropropene	75	6.984	6.984	0.000	95	387694	20.0	19.1	
69 4-Methyl-2-pentanone (MIBK)	43	7.103	7.103	0.000	95	318047	40.0	34.2	
70 Toluene	91	7.280	7.280	0.000	98	1143381	20.0	19.3	
71 trans-1,3-Dichloropropene	75	7.482	7.482	0.000	95	342344	20.0	18.4	
72 Ethyl methacrylate	69	7.518	7.518	0.000	88	267573	20.0	18.3	
73 1,1,2-Trichloroethane	97	7.672	7.672	0.000	90	195592	20.0	19.4	
75 Tetrachloroethene	164	7.755	7.755	0.000	95	223762	20.0	20.3	
74 1,3-Dichloropropane	76	7.814	7.814	0.000	90	352529	20.0	19.1	
76 2-Hexanone	43	7.850	7.850	0.000	94	229435	40.0	33.6	
78 Chlorodibromomethane	129	8.016	8.016	0.000	89	204186	20.0	17.5	
80 Ethylene Dibromide	107	8.134	8.134	0.000	99	199676	20.0	19.8	
82 Chlorobenzene	112	8.597	8.597	0.000	96	741477	20.0	19.6	
83 1,1,1,2-Tetrachloroethane	131	8.668	8.668	0.000	92	234908	20.0	20.0	
84 Ethylbenzene	106	8.680	8.680	0.000	98	426527	20.0	19.9	
85 m-Xylene & p-Xylene	106	8.798	8.798	0.000	97	540513	20.0	20.0	
86 o-Xylene	106	9.166	9.166	0.000	97	521592	20.0	20.5	
87 Styrene	104	9.178	9.178	0.000	95	863078	20.0	22.1	
88 Bromoform	173	9.368	9.368	0.000	94	121297	20.0	17.0	
89 Isopropylbenzene	105	9.522	9.522	0.000	95	1376420	20.0	20.6	
92 1,1,2,2-Tetrachloroethane	83	9.818	9.818	0.000	95	241455	20.0	18.1	
93 Bromobenzene	156	9.842	9.842	0.000	95	302680	20.0	18.9	
94 trans-1,4-Dichloro-2-butene	53	9.854	9.854	0.000	82	77733	20.0	17.2	
95 1,2,3-Trichloropropane	110	9.877	9.877	0.000	82	80432	20.0	18.5	
96 N-Propylbenzene	120	9.925	9.925	0.000	99	394836	20.0	19.3	
97 2-Chlorotoluene	126	10.020	10.020	0.000	97	319714	20.0	19.3	
99 1,3,5-Trimethylbenzene	105	10.103	10.103	0.000	94	1162567	20.0	19.0	
100 4-Chlorotoluene	126	10.138	10.138	0.000	97	338463	20.0	19.6	
102 tert-Butylbenzene	119	10.411	10.411	0.000	92	1004214	20.0	19.0	
104 1,2,4-Trimethylbenzene	105	10.470	10.470	0.000	97	1147529	20.0	18.5	
105 sec-Butylbenzene	105	10.636	10.636	0.000	94	1518317	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
106 1,3-Dichlorobenzene	146	10.755	10.755	0.000	97	617130	20.0	19.3	
107 4-Isopropyltoluene	119	10.779	10.779	0.000	97	1297713	20.0	19.2	
108 1,4-Dichlorobenzene	146	10.862	10.862	0.000	96	618092	20.0	19.3	
111 n-Butylbenzene	91	11.194	11.194	0.000	98	1168759	20.0	19.2	
112 1,2-Dichlorobenzene	146	11.217	11.217	0.000	97	563453	20.0	19.0	
113 1,2-Dibromo-3-Chloropropane	157	12.000	12.000	0.000	83	52090	20.0	16.6	
115 1,2,4-Trichlorobenzene	180	12.830	12.830	0.000	94	297996	20.0	17.3	
116 Hexachlorobutadiene	225	12.973	12.973	0.000	96	148584	20.0	19.2	
117 Naphthalene	128	13.115	13.115	0.000	97	713943	20.0	16.3	
118 1,2,3-Trichlorobenzene	180	13.364	13.364	0.000	94	244696	20.0	16.8	
S 134 Trihalomethanes, Total	1				0		80.0	72.2	
S 158 Total BTEX	1				0		100.0	99.1	
S 133 Xylenes, Total	106				0		40.0	40.4	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

vmrprimw_00445	Amount Added: 16.00	Units: uL		
vmrgas_00393	Amount Added: 16.00	Units: uL		
vmarolistdw_00402	Amount Added: 16.00	Units: uL		
vm50is_stk_A_00009	Amount Added: 2.00	Units: uL	Run Reagent	
vmDist_H2o_00198	Amount Added: 0.00	Units:	Run Reagent	
vm50ss_stk_00087	Amount Added: 2.27	Units: uL	Run Reagent	
vm40ml_vials_00016	Amount Added: 0.00	Units:	Run Reagent	

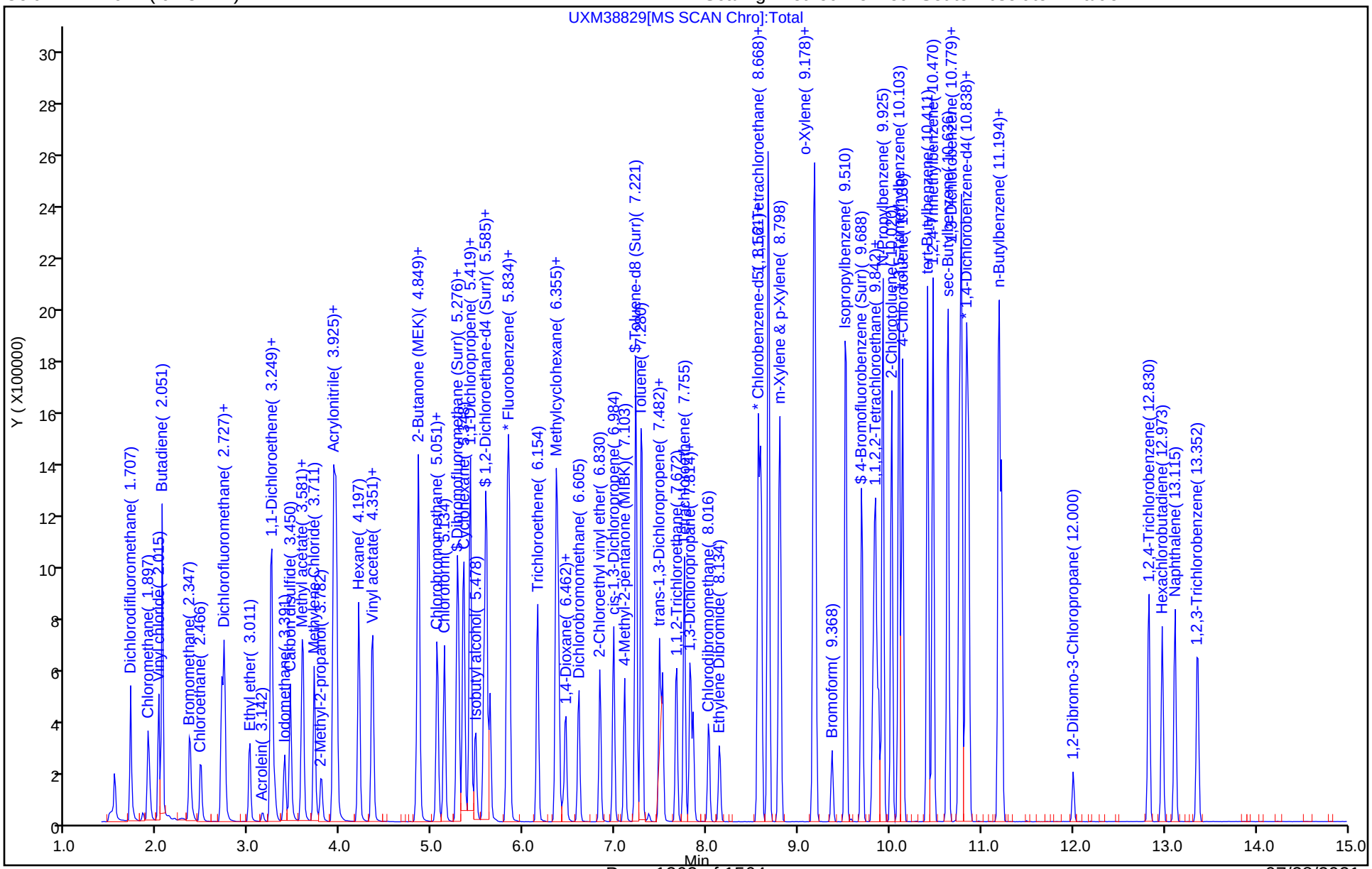
Report Date: 26-Jul-2021 12:35:24 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\UXM38829.D

Injection Date:	26-Jul-2021 11:26:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCV 240-496537/4 Calibration Date: 07/26/2021 11:50

Instrument ID: A3UX16 Calib Start Date: 04/23/2021 16:29

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/23/2021 18:30

Lab File ID: UXM38830.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	0.0316	0.0286		0.181	0.200	-9.5	20.0
Diisopropyl ether	Ave	0.1817	0.1871		0.0206	0.0200	3.0	20.0
2-Chloro-1,3-butadiene	Ave	0.3819	0.3576		0.0187	0.0200	-6.4	20.0
Ethyl-t-butyl ether (ETBE)	Ave	0.6074	0.5730		0.0189	0.0200	-5.7	20.0
Ethyl acetate	Ave	0.1689	0.1592		0.0377	0.0400	-5.7	20.0
Propionitrile	Ave	0.0348	0.0321		0.184	0.200	-8.0	20.0
Methacrylonitrile	Ave	0.1236	0.1095		0.177	0.200	-11.4	20.0
Tert-amyl-methyl ether (TAME)	Ave	0.5775	0.5442		0.0188	0.0200	-5.8	20.0
n-Butanol	Ave	0.0049	0.0049		0.497	0.500	-0.5	20.0
Ethyl acrylate	Ave	0.2515	0.2057		0.0164	0.0200	-18.2	20.0
Methyl methacrylate	Ave	0.1743	0.1526		0.0350	0.0400	-12.5	20.0
2-Nitropropane	Lin1		0.0430		0.0248	0.0400	-38.0*	20.0
n-Butyl acetate	Ave	0.2902	0.2685		0.0185	0.0200	-7.5	20.0
1-Chlorohexane	Ave	0.5303	0.4856		0.0183	0.0200	-8.4	20.0
Cyclohexanone	Lin1		0.0132		0.138	0.200	-31.2*	20.0
Pentachloroethane	Ave	0.1090	0.1652		0.0606	0.0400	51.6*	20.0
1,2,3-Trimethylbenzene	Ave	2.601	2.335		0.0180	0.0200	-10.2	20.0
Benzyl chloride	Ave	0.2725	0.2200		0.0161	0.0200	-19.3	20.0
1,3,5-Trichlorobenzene	Ave	0.9222	0.8148		0.0177	0.0200	-11.6	20.0
2-Methylnaphthalene	Ave	0.7431	0.5060		0.0272	0.0400	-31.9*	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\UXM38830.D
Lims ID: CCV A9
Client ID:
Sample Type: CCV
Inject. Date: 26-Jul-2021 11:50:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111551-004
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub78

Method: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jul-2021 12:35:51 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: bosworthh Date: 26-Jul-2021 12:35:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.845	5.845	0.000	99	936188	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	86	810099	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	95	452594	20.0	20.0	
25 Acetonitrile	41	3.557	3.557	0.000	99	267880	200.0	180.9	
36 Isopropyl ether	87	4.363	4.363	0.000	92	175132	20.0	20.6	
37 2-Chloro-1,3-butadiene	53	4.411	4.411	0.000	93	334739	20.0	18.7	
38 Tert-butyl ethyl ether	59	4.683	4.683	0.000	96	536423	20.0	18.9	
43 Ethyl acetate	43	4.861	4.861	0.000	99	298109	40.0	37.7	
42 Propionitrile	54	4.897	4.897	0.000	99	300181	200.0	184.1	
44 Methacrylonitrile	41	5.015	5.015	0.000	91	1024943	200.0	177.1	
163 Isooctane	57	5.679	5.679	0.000	97	730782	20.0	19.7	
55 Tert-amyl methyl ether	73	5.679	5.679	0.000	97	509431	20.0	18.8	
57 n-Butanol	56	6.035	6.035	0.000	88	114825	500.0	497.4	
59 Ethyl acrylate	55	6.201	6.201	0.000	99	192569	20.0	16.4	
62 Methyl methacrylate	41	6.403	6.403	0.000	85	285751	40.0	35.0	
66 2-Nitropropane	41	6.794	6.794	0.000	98	80436	40.0	24.8	
77 n-Butyl acetate	43	7.944	7.944	0.000	96	251383	20.0	18.5	
81 1-Chlorohexane	91	8.549	8.549	0.000	97	393379	20.0	18.3	
91 Cyclohexanone	55	9.616	9.616	0.000	91	59520	200.0	137.6	
103 Pentachloroethane	167	10.447	10.447	0.000	90	267725	40.0	60.6	
109 1,2,3-Trimethylbenzene	105	10.885	10.885	0.000	98	1056730	20.0	18.0	
110 Benzyl chloride	126	10.968	10.968	0.000	99	99558	20.0	16.1	
114 1,3,5-Trichlorobenzene	180	12.190	12.190	0.000	97	368764	20.0	17.7	
119 2-Methylnaphthalene	142	14.538	14.538	0.000	93	458031	40.0	27.2	
162 1-Methylnaphthalene	142	14.810	14.810	0.000	0	409235	40.0	29.5	

QC Flag Legend
Processing Flags

Reagents:

vmra9w_00400	Amount Added:	16.00	Units: uL
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL

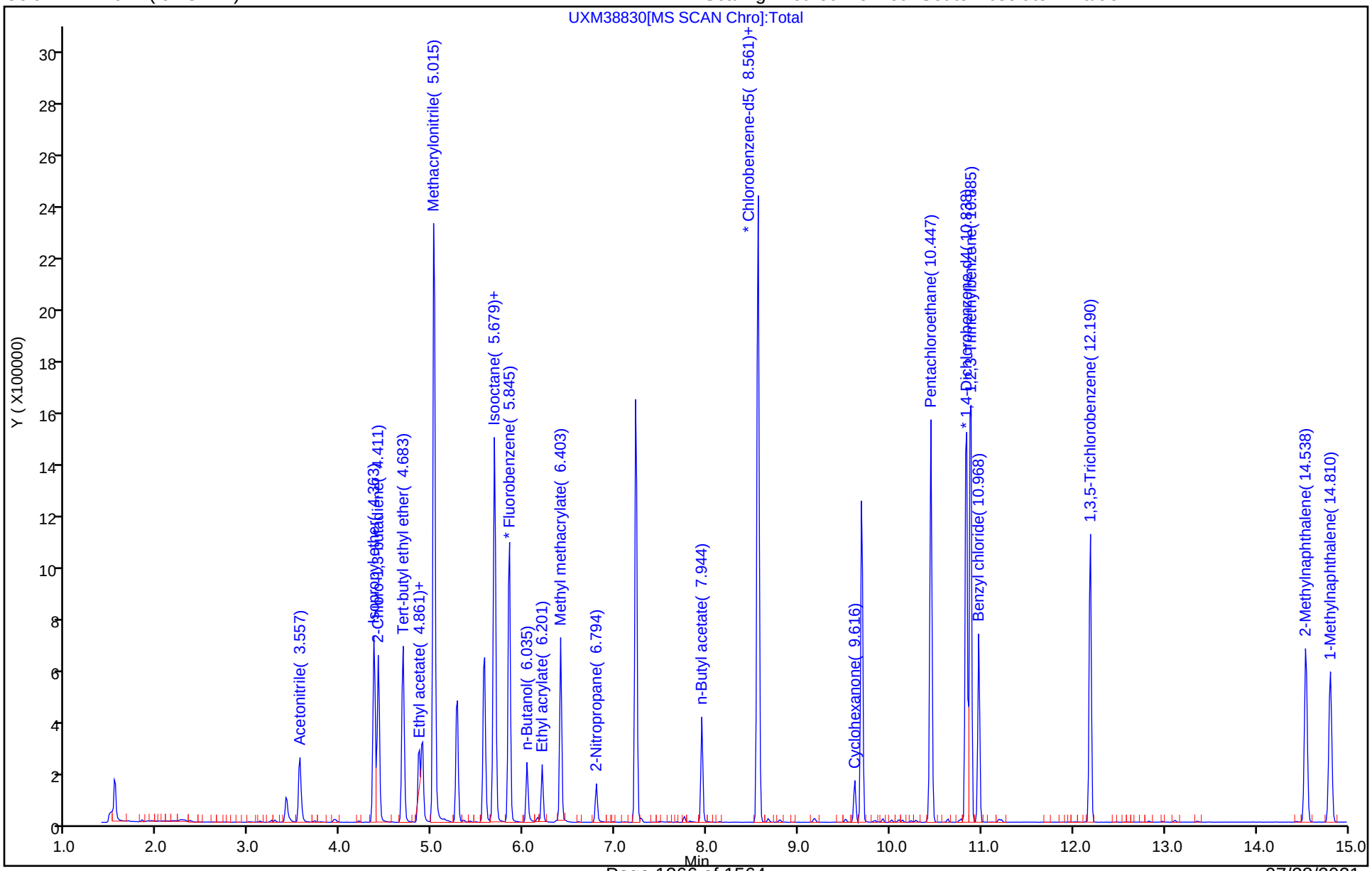
Report Date: 26-Jul-2021 12:35:51 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\UXM38830.D

Injection Date:	26-Jul-2021 11:50:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	CCV A9			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-494428/17 Calibration Date: 07/10/2021 17:00

Instrument ID: A3UX19 Calib Start Date: 07/10/2021 14:02

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/10/2021 16:37

Lab File ID: U1922963.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	0.2698	0.3002	0.1000	0.0222	0.0200	11.2	30.0
Chloromethane	Ave	0.4086	0.3935	0.1000	0.0193	0.0200	-3.7	30.0
Vinyl chloride	Ave	0.3837	0.3899	0.1000	0.0203	0.0200	1.6	30.0
Butadiene	Ave	0.3716	0.3769		0.0203	0.0200	1.4	30.0
Bromomethane	Ave	0.2884	0.2878	0.0500	0.0200	0.0200	-0.2	30.0
Chloroethane	Ave	0.2291	0.2380	0.0500	0.0208	0.0200	3.9	30.0
Dichlorofluoromethane	Ave	0.6152	0.6299		0.0205	0.0200	2.4	30.0
Trichlorofluoromethane	Ave	0.5664	0.6239	0.1000	0.0220	0.0200	10.1	30.0
Ethyl ether	Ave	0.2232	0.2308		0.0207	0.0200	3.4	30.0
Acrolein	Ave	0.0063	0.0086		0.138	0.100	38.0*	30.0
1,1-Dichloroethene	Ave	0.3776	0.4018	0.1000	0.0213	0.0200	6.4	30.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.2403	0.2586	0.0500	0.0215	0.0200	7.6	30.0
Acetone	Ave	0.1334	0.1180	0.0100	0.0354	0.0400	-11.5	50.0
Iodomethane	Ave	0.4534	0.4671		0.0206	0.0200	3.0	30.0
Carbon disulfide	Ave	0.8214	0.7960	0.1000	0.0194	0.0200	-3.1	30.0
Methyl acetate	Ave	0.3051	0.3034	0.1000	0.0398	0.0400	-0.6	50.0
3-Chloro-1-propene	Ave	0.4023	0.3962		0.0197	0.0200	-1.5	30.0
Methylene Chloride	Ave	0.3392	0.3275	0.1000	0.0193	0.0200	-3.5	50.0
tert-Butyl alcohol	Ave	0.0549	0.0463		0.169	0.200	-15.6	30.0
Acrylonitrile	Ave	0.1533	0.1459		0.190	0.200	-4.8	30.0
Methyl tert-butyl ether	Ave	0.8066	0.7912	0.1000	0.0196	0.0200	-1.9	30.0
trans-1,2-Dichloroethene	Ave	0.3879	0.3794	0.1000	0.0196	0.0200	-2.2	30.0
Hexane	Ave	0.3466	0.3595		0.0207	0.0200	3.7	30.0
Vinyl acetate	Ave	0.6391	0.5705		0.0179	0.0200	-10.7	30.0
1,1-Dichloroethane	Ave	0.4744	0.4666	0.2000	0.0197	0.0200	-1.6	30.0
2-Butanone	Ave	0.0565	0.0573	0.0100	0.0406	0.0400	1.4	50.0
cis-1,2-Dichloroethene	Ave	0.3131	0.3018	0.1000	0.0193	0.0200	-3.6	30.0
2,2-Dichloropropane	Ave	0.3243	0.3233		0.0199	0.0200	-0.3	30.0
Bromochloromethane	Ave	0.2490	0.2328		0.0187	0.0200	-6.5	30.0
Tetrahydrofuran	Ave	0.1511	0.1435		0.0380	0.0400	-5.0	30.0
Chloroform	Ave	0.5001	0.4930	0.2000	0.0197	0.0200	-1.4	30.0
1,1,1-Trichloroethane	Ave	0.4499	0.4572	0.1000	0.0203	0.0200	1.6	30.0
Cyclohexane	Ave	0.3665	0.3881	0.1000	0.0212	0.0200	5.9	30.0
1,1-Dichloropropene	Ave	0.3884	0.3871		0.0199	0.0200	-0.3	30.0
Isobutyl alcohol	Ave	0.0204	0.0210		0.515	0.500	3.0	30.0
Carbon tetrachloride	Ave	0.4105	0.4228	0.1000	0.0206	0.0200	3.0	30.0
Benzene	Ave	1.043	1.046	0.5000	0.0201	0.0200	0.3	30.0
1,2-Dichloroethane	Ave	0.4037	0.3921	0.1000	0.0194	0.0200	-2.9	30.0
n-Heptane	Lin1		0.1904		0.0200	0.0200	0.2	30.0
Trichloroethene	Ave	0.3268	0.3257	0.1500	0.0199	0.0200	-0.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-494428/17 Calibration Date: 07/10/2021 17:00

Instrument ID: A3UX19 Calib Start Date: 07/10/2021 14:02

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/10/2021 16:37

Lab File ID: U1922963.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	0.4209	0.4369	0.1000	0.0208	0.0200	3.8	30.0
1,2-Dichloropropane	Ave	0.2560	0.2489	0.1000	0.0194	0.0200	-2.8	30.0
1,4-Dioxane	Ave	0.0047	0.0049		0.422	0.400	5.4	50.0
Dibromomethane	Ave	0.2338	0.2238		0.0191	0.0200	-4.3	30.0
Bromodichloromethane	Ave	0.3738	0.3715	0.1500	0.0199	0.0200	-0.6	30.0
2-Chloroethyl vinyl ether	Ave	0.1938	0.1949		0.0201	0.0200	0.5	30.0
cis-1,3-Dichloropropene	Ave	0.4394	0.4158	0.1500	0.0189	0.0200	-5.4	50.0
4-Methyl-2-pentanone	Ave	0.4235	0.4136	0.0500	0.0391	0.0400	-2.3	50.0
Toluene	Ave	1.410	1.395	0.4000	0.0198	0.0200	-1.0	30.0
trans-1,3-Dichloropropene	Ave	0.5402	0.5122	0.1000	0.0190	0.0200	-5.2	30.0
Ethyl methacrylate	Ave	0.4769	0.4853		0.0204	0.0200	1.8	30.0
1,1,2-Trichloroethane	Ave	0.2994	0.3023	0.1000	0.0202	0.0200	1.0	30.0
Tetrachloroethene	Ave	0.4206	0.4198	0.1500	0.0200	0.0200	-0.2	30.0
1,3-Dichloropropane	Ave	0.5132	0.5169		0.0201	0.0200	0.7	30.0
2-Hexanone	Ave	0.4173	0.4149	0.0500	0.0398	0.0400	-0.6	50.0
Dibromochloromethane	Ave	0.3735	0.3705		0.0198	0.0200	-0.8	30.0
1,2-Dibromoethane	Ave	0.3506	0.3448		0.0197	0.0200	-1.7	30.0
Chlorobenzene	Ave	0.9300	0.9239	0.3000	0.0199	0.0200	-0.7	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3644	0.3513		0.0193	0.0200	-3.6	30.0
Ethylbenzene	Ave	0.5052	0.5001		0.0198	0.0200	-1.0	30.0
m-Xylene & p-Xylene	Ave	0.6144	0.6117		0.0199	0.0200	-0.4	30.0
o-Xylene	Ave	0.5999	0.5940		0.0198	0.0200	-1.0	30.0
Styrene	Ave	0.9748	0.9572	0.3000	0.0196	0.0200	-1.8	30.0
Bromoform	Ave	0.3022	0.2934	0.1000	0.0194	0.0200	-2.9	30.0
Isopropylbenzene	Ave	1.536	1.547	0.1000	0.0201	0.0200	0.7	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8537	0.8755	0.3000	0.0205	0.0200	2.6	30.0
trans-1,4-Dichloro-2-butene	Ave	0.3313	0.3100		0.0187	0.0200	-6.4	30.0
Bromobenzene	Ave	0.7625	0.7626		0.0200	0.0200	0.0	30.0
1,2,3-Trichloropropane	Ave	0.3113	0.3141		0.0202	0.0200	0.9	30.0
n-Propylbenzene	Ave	0.7745	0.7850		0.0203	0.0200	1.4	30.0
2-Chlorotoluene	Ave	0.6710	0.6733		0.0201	0.0200	0.3	30.0
1,3,5-Trimethylbenzene	Ave	2.245	2.290		0.0204	0.0200	2.0	30.0
4-Chlorotoluene	Ave	0.7141	0.6948		0.0195	0.0200	-2.7	30.0
tert-Butylbenzene	Ave	1.954	1.978		0.0202	0.0200	1.2	30.0
1,2,4-Trimethylbenzene	Ave	2.283	2.336		0.0205	0.0200	2.3	30.0
sec-Butylbenzene	Ave	2.725	2.781		0.0204	0.0200	2.1	30.0
1,3-Dichlorobenzene	Ave	1.413	1.353	0.6000	0.0191	0.0200	-4.3	30.0
p-Isopropyltoluene	Ave	2.414	2.421		0.0201	0.0200	0.3	30.0
1,4-Dichlorobenzene	Ave	1.445	1.399	0.5000	0.0194	0.0200	-3.2	30.0
n-Butylbenzene	Ave	2.071	1.999		0.0193	0.0200	-3.5	30.0
1,2-Dichlorobenzene	Ave	1.346	1.300	0.4000	0.0193	0.0200	-3.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-494428/17 Calibration Date: 07/10/2021 17:00

Instrument ID: A3UX19 Calib Start Date: 07/10/2021 14:02

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/10/2021 16:37

Lab File ID: U1922963.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	0.2923	0.2777	0.0500	0.0190	0.0200	-5.0	50.0
1,2,4-Trichlorobenzene	Ave	0.9320	0.8079	0.2000	0.0173	0.0200	-13.3	50.0
Hexachlorobutadiene	Ave	0.3858	0.3162		0.0164	0.0200	-18.1	50.0
Naphthalene	Ave	3.033	2.792		0.0184	0.0200	-8.0	50.0
1,2,3-Trichlorobenzene	Ave	0.8790	0.7640		0.0174	0.0200	-13.1	30.0
Dibromofluoromethane (Surr)	Ave	0.2834	0.2977		0.0210	0.0200	5.0	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3362	0.3371		0.0200	0.0200	0.2	30.0
Toluene-d8 (Surr)	Ave	1.209	1.260		0.0208	0.0200	4.2	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4458	0.4882		0.0219	0.0200	9.5	30.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922963.d
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 10-Jul-2021 17:00:27 ALS Bottle#: 0 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111101-017
Operator ID: 001904 Instrument ID: A3UX19
Sublist:

Method: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 12-Jul-2021 14:49:43 Calib Date: 10-Jul-2021 16:37:56
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922962.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1645

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	861893	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.452	8.452	0.000	86	682891	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	95	376822	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.404	5.416	-0.012	93	256601	20.0	21.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	99	290513	20.0	20.0	
$ 6 Toluene-d8 (Surr)	98	7.207	7.207	0.000	94	860386	20.0	20.8	
$ 7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	94	333360	20.0	21.9	
9 Dichlorodifluoromethane	85	2.072	2.072	0.000	99	258719	20.0	22.2	
10 Chloromethane	50	2.297	2.297	0.000	99	339163	20.0	19.3	
12 Vinyl chloride	62	2.416	2.427	-0.011	98	336087	20.0	20.3	
11 Butadiene	54	2.451	2.451	0.000	93	324852	20.0	20.3	
13 Bromomethane	94	2.783	2.783	0.000	93	248071	20.0	20.0	
15 Chloroethane	64	2.878	2.878	0.000	99	205167	20.0	20.8	
16 Dichlorofluoromethane	67	3.080	3.092	-0.012	98	542940	20.0	20.5	
17 Trichlorofluoromethane	101	3.115	3.127	-0.012	97	537735	20.0	22.0	
18 Ethyl ether	59	3.353	3.364	-0.011	92	198886	20.0	20.7	
19 Acrolein	56	3.483	3.495	-0.012	98	37194	100.0	138.0	
20 1,1-Dichloroethene	61	3.590	3.590	0.000	98	346323	20.0	21.3	
21 112TCTFE	101	3.602	3.602	0.000	93	222914	20.0	21.5	
22 Acetone	43	3.614	3.613	0.001	99	203450	40.0	35.4	
24 Iodomethane	142	3.732	3.744	-0.012	99	402606	20.0	20.6	
25 Carbon disulfide	76	3.803	3.815	-0.012	100	686099	20.0	19.4	
28 Methyl acetate	43	3.874	3.874	0.000	97	523001	40.0	39.8	
27 3-Chloro-1-propene	41	3.898	3.898	0.000	88	341459	20.0	19.7	
29 Methylene Chloride	49	4.005	4.005	0.000	91	282278	20.0	19.3	
30 2-Methyl-2-propanol	59	4.064	4.064	0.000	99	398957	200.0	168.7	
31 Acrylonitrile	53	4.195	4.194	0.001	99	1257454	200.0	190.3	
33 Methyl tert-butyl ether	73	4.218	4.218	0.000	95	681969	20.0	19.6	
32 trans-1,2-Dichloroethene	61	4.230	4.230	0.000	98	326990	20.0	19.6	
34 Hexane	57	4.444	4.455	-0.011	95	309849	20.0	20.7	
36 Vinyl acetate	43	4.562	4.562	0.000	97	491689	20.0	17.9	
35 1,1-Dichloroethane	63	4.586	4.586	0.000	96	402199	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
40 2-Butanone (MEK)	72	5.013	5.013	0.000	100	98816	40.0	40.6	
41 cis-1,2-Dichloroethene	96	5.037	5.036	0.001	82	260102	20.0	19.3	
42 2,2-Dichloropropane	77	5.048	5.048	0.000	90	278612	20.0	19.9	
46 Chlorobromomethane	49	5.226	5.226	0.000	92	200661	20.0	18.7	
47 Tetrahydrofuran	42	5.238	5.238	0.000	87	247387	40.0	38.0	
48 Chloroform	83	5.286	5.285	0.001	94	424877	20.0	19.7	
49 1,1,1-Trichloroethane	97	5.440	5.440	0.000	98	394074	20.0	20.3	
50 Cyclohexane	84	5.511	5.511	0.000	89	334500	20.0	21.2	
53 Isobutyl alcohol	41	5.558	5.558	0.000	93	452872	500.0	515.2	
51 1,1-Dichloropropene	75	5.558	5.558	0.000	93	333619	20.0	19.9	
52 Carbon tetrachloride	117	5.570	5.570	0.000	95	364448	20.0	20.6	
54 Benzene	78	5.724	5.724	0.000	97	901895	20.0	20.1	
55 1,2-Dichloroethane	62	5.748	5.748	0.000	97	337922	20.0	19.4	
57 n-Heptane	57	5.902	5.902	0.000	89	164087	20.0	20.0	
59 Trichloroethene	130	6.222	6.222	0.000	95	280737	20.0	19.9	
61 Methylcyclohexane	83	6.424	6.424	0.000	92	376569	20.0	20.8	
62 1,2-Dichloropropane	63	6.436	6.436	0.000	94	214485	20.0	19.4	
65 1,4-Dioxane	88	6.471	6.471	0.000	94	85241	400.0	421.6	
64 Dibromomethane	174	6.507	6.507	0.000	92	192915	20.0	19.1	
66 Dichlorobromomethane	83	6.626	6.625	0.001	98	320174	20.0	19.9	
68 2-Chloroethyl vinyl ether	63	6.815	6.815	0.000	93	167956	20.0	20.1	
69 cis-1,3-Dichloropropene	75	6.970	6.969	0.001	94	358375	20.0	18.9	
70 4-Methyl-2-pentanone (MIBK)	43	7.064	7.076	-0.012	97	712954	40.0	39.1	
71 Toluene	91	7.266	7.266	0.000	98	952911	20.0	19.8	
72 trans-1,3-Dichloropropene	75	7.432	7.432	0.000	96	349755	20.0	19.0	
73 Ethyl methacrylate	69	7.444	7.444	0.000	85	331408	20.0	20.4	
74 1,1,2-Trichloroethane	97	7.598	7.598	0.000	93	206418	20.0	20.2	
75 Tetrachloroethene	166	7.705	7.705	0.000	97	286691	20.0	20.0	
76 1,3-Dichloropropane	76	7.752	7.752	0.000	96	352982	20.0	20.1	
77 2-Hexanone	43	7.764	7.764	0.000	97	566695	40.0	39.8	
79 Chlorodibromomethane	129	7.942	7.942	0.000	89	253006	20.0	19.8	
81 Ethylene Dibromide	107	8.061	8.060	0.001	97	235465	20.0	19.7	
83 Chlorobenzene	112	8.487	8.487	0.000	95	630929	20.0	19.9	
85 Ethylbenzene	106	8.547	8.547	0.000	98	341492	20.0	19.8	
84 1,1,1,2-Tetrachloroethane	131	8.547	8.547	0.000	47	239880	20.0	19.3	
86 m-Xylene & p-Xylene	106	8.665	8.665	0.000	99	417719	20.0	19.9	
87 o-Xylene	106	9.009	9.009	0.000	95	405648	20.0	19.8	
88 Styrene	104	9.021	9.021	0.000	94	653651	20.0	19.6	
89 Bromoform	173	9.211	9.211	0.000	96	200378	20.0	19.4	
90 Isopropylbenzene	105	9.341	9.341	0.000	96	1056116	20.0	20.1	
93 1,1,2,2-Tetrachloroethane	83	9.602	9.602	0.000	96	329926	20.0	20.5	
97 trans-1,4-Dichloro-2-butene	53	9.638	9.638	0.000	85	116801	20.0	18.7	
95 Bromobenzene	156	9.661	9.661	0.000	94	287360	20.0	20.0	
96 1,2,3-Trichloropropane	110	9.673	9.673	0.000	81	118354	20.0	20.2	
98 N-Propylbenzene	120	9.721	9.721	0.000	98	295800	20.0	20.3	
100 2-Chlorotoluene	126	9.816	9.815	0.001	96	253728	20.0	20.1	
101 1,3,5-Trimethylbenzene	105	9.875	9.875	0.000	94	863071	20.0	20.4	
102 4-Chlorotoluene	126	9.934	9.934	0.000	98	261803	20.0	19.5	
103 tert-Butylbenzene	119	10.183	10.183	0.000	93	745446	20.0	20.2	
105 1,2,4-Trimethylbenzene	105	10.231	10.230	0.001	97	880241	20.0	20.5	
106 sec-Butylbenzene	105	10.385	10.385	0.000	94	1048126	20.0	20.4	
108 4-Isopropyltoluene	119	10.515	10.515	0.000	96	912473	20.0	20.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 1,3-Dichlorobenzene	146	10.515	10.515	0.000	73	509762	20.0	19.1	
109 1,4-Dichlorobenzene	146	10.610	10.610	0.000	97	527266	20.0	19.4	
112 n-Butylbenzene	91	10.907	10.906	0.001	97	753412	20.0	19.3	
113 1,2-Dichlorobenzene	146	10.954	10.954	0.000	98	489721	20.0	19.3	
114 1,2-Dibromo-3-Chloropropane	157	11.689	11.689	0.000	87	104640	20.0	19.0	
116 1,2,4-Trichlorobenzene	180	12.472	12.484	-0.012	94	304432	20.0	17.3	
117 Hexachlorobutadiene	225	12.614	12.614	0.000	97	119137	20.0	16.4	
118 Naphthalene	128	12.757	12.756	0.001	97	1052144	20.0	18.4	
119 1,2,3-Trichlorobenzene	180	12.994	12.994	0.000	96	287876	20.0	17.4	
S 124 Total BTEX	1				0		100.0	99.4	
S 125 Trihalomethanes, Total	1				0		80.0	78.9	
S 128 Xylenes, Total	106				0		40.0	39.7	

Reagents:

vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00197	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00008	Amount Added:	2.00	Units: uL	Run Reagent
vmfasgw_00415	Amount Added:	16.00	Units: uL	
vmfasaw_00381	Amount Added:	16.00	Units: uL	
vmfaspw_00406	Amount Added:	16.00	Units: uL	

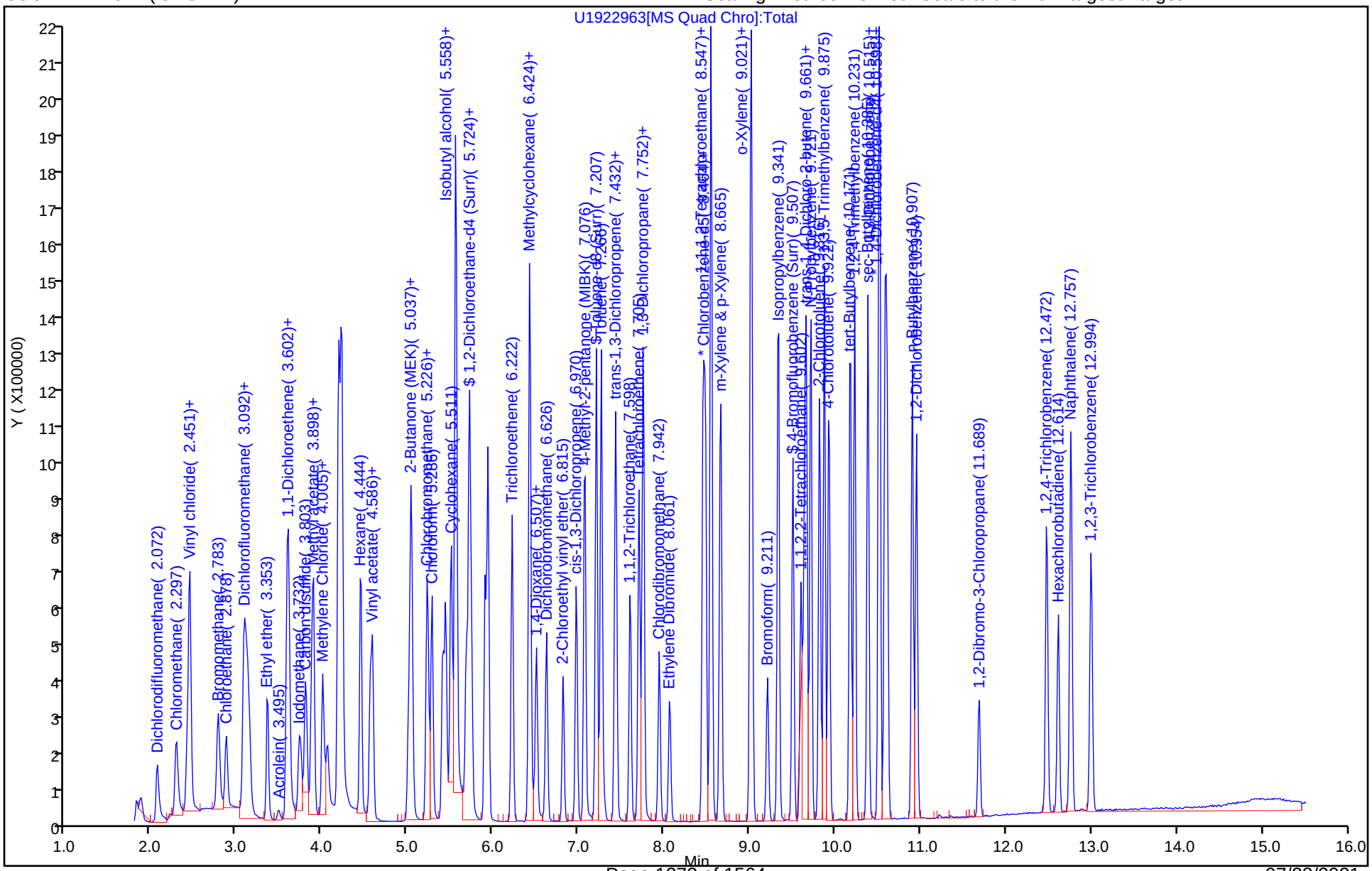
Report Date: 12-Jul-2021 14:50:08 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922963.d

Injection Date:	10-Jul-2021 17:00:27	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	ICV			Worklist Smp#:	17
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-494648/17 Calibration Date: 07/12/2021 22:00

Instrument ID: A3UX19 Calib Start Date: 07/10/2021 14:02

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/10/2021 16:37

Lab File ID: U1922981.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	0.2834	0.2920		0.0206	0.0200	3.0	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3362	0.3474		0.0207	0.0200	3.3	30.0
Toluene-d8 (Surr)	Ave	1.209	1.240		0.0205	0.0200	2.6	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4458	0.4821		0.0216	0.0200	8.1	30.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922981.d
Lims ID: ICV A9
Client ID:
Sample Type: ICV
Inject. Date: 12-Jul-2021 22:00:07 ALS Bottle#: 0 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111153-017
Operator ID: 001904 Instrument ID: A3UX19
Sublist:

Method: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 13-Jul-2021 16:46:39 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1665

First Level Reviewer: bosworthh Date: 14-Jul-2021 11:19:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	833600	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.452	8.452	0.000	86	658404	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	94	356928	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.404	5.416	-0.012	93	243402	20.0	20.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	97	289575	20.0	20.7	
$ 6 Toluene-d8 (Surr)	98	7.206	7.207	-0.001	94	816422	20.0	20.5	
$ 7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	93	317409	20.0	21.6	
26 Acetonitrile	41	3.850	3.851	-0.001	99	422038	200.0	184.8	
37 Isopropyl ether	87	4.586	4.586	0.000	92	188747	20.0	21.1	
38 2-Chloro-1,3-butadiene	53	4.645	4.645	0.000	94	361827	20.0	20.8	
39 Tert-butyl ethyl ether	59	4.870	4.870	0.000	97	653642	20.0	21.0	
44 Ethyl acetate	43	5.024	5.013	0.011	99	641612	40.0	41.2	
43 Propionitrile	54	5.060	5.060	0.000	99	564247	200.0	206.2	
45 Methacrylonitrile	41	5.179	5.179	0.000	92	1973384	200.0	210.6	
56 Tert-amyl methyl ether	73	5.783	5.784	-0.001	90	716156	20.0	21.1	
58 n-Butanol	56	6.068	6.068	0.000	87	369165	500.0	521.0	
60 Ethyl acrylate	55	6.234	6.234	0.000	99	385495	20.0	21.5	
63 Methyl methacrylate	41	6.424	6.424	0.000	89	495898	40.0	41.6	
67 2-Nitropropane	41	6.791	6.792	-0.001	100	194317	40.0	37.2	
78 n-Butyl acetate	43	7.835	7.835	0.000	98	449571	20.0	20.6	
82 1-Chlorohexane	91	8.428	8.428	0.000	96	294883	20.0	20.2	
91 Cyclohexanone	55	9.448	9.436	0.012	93	145292	200.0	190.2	
104 Pentachloroethane	167	10.219	10.219	0.000	89	279158	40.0	40.1	
110 1,2,3-Trimethylbenzene	105	10.622	10.622	0.000	98	844126	20.0	20.3	
111 Benzyl chloride	91	10.705	10.705	0.000	99	576255	20.0	19.4	
115 1,3,5-Trichlorobenzene	180	11.867	11.867	0.000	97	315500	20.0	17.7	
120 2-Methylnaphthalene	142	14.120	14.120	0.000	92	1059457	40.0	35.7	
168 1-Methylnaphthalene	142	14.369	14.381	-0.012	93	941688	40.0	34.7	
169 Isooctane	57		0.100				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

VMFASA9W_00326	Amount Added:	16.00	Units: uL	
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00197	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00008	Amount Added:	2.00	Units: uL	Run Reagent

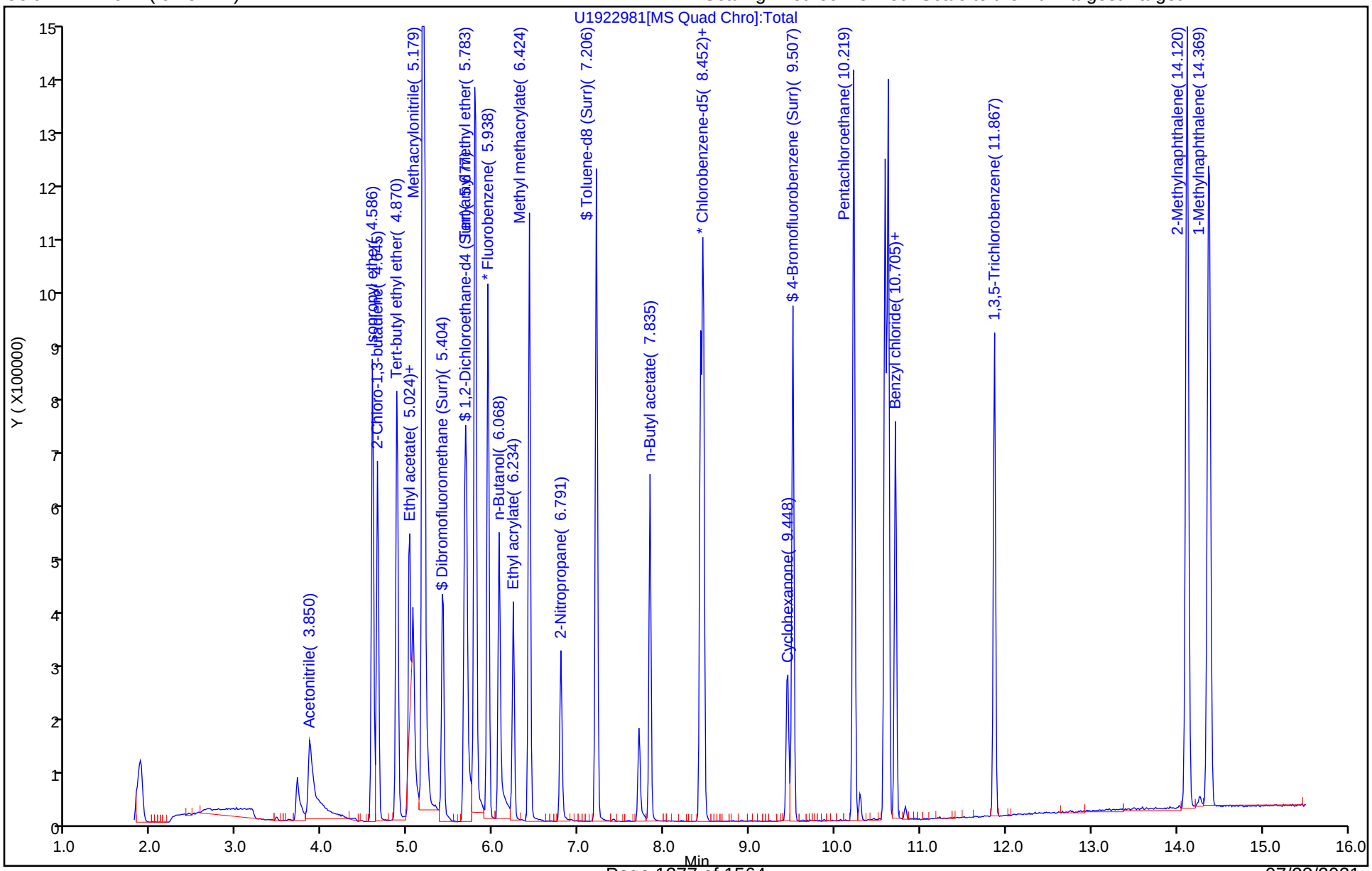
Report Date: 14-Jul-2021 11:19:04 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922981.d

Injection Date:	12-Jul-2021 22:00:07	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	ICV A9			Worklist Smp#:	17
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-494648/17 Calibration Date: 07/12/2021 22:00

Instrument ID: A3UX19 Calib Start Date: 07/12/2021 19:46

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/12/2021 21:37

Lab File ID: U1922981.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	0.0548	0.0506		0.185	0.200	-7.6	30.0
Diisopropyl ether	Ave	0.2146	0.2264		0.0211	0.0200	5.5	30.0
2-Chloro-1,3-butadiene	Ave	0.4180	0.4341		0.0208	0.0200	3.9	30.0
Ethyl-t-butyl ether (ETBE)	Ave	0.7485	0.7841		0.0210	0.0200	4.8	30.0
Ethyl acetate	Ave	0.3736	0.3848		0.0412	0.0400	3.0	30.0
Propionitrile	Ave	0.0657	0.0677		0.206	0.200	3.1	30.0
Methacrylonitrile	Ave	0.2248	0.2367		0.211	0.200	5.3	30.0
Tert-amyl-methyl ether (TAME)	Ave	0.8146	0.8591		0.0211	0.0200	5.5	30.0
n-Butanol	Ave	0.0170	0.0177		0.521	0.500	4.2	30.0
Ethyl acrylate	Ave	0.4304	0.4624		0.0215	0.0200	7.4	30.0
Methyl methacrylate	Ave	0.2859	0.2974		0.0416	0.0400	4.0	30.0
2-Nitropropane	Ave	0.1252	0.1166		0.0372	0.0400	-6.9	30.0
n-Butyl acetate	Ave	0.6631	0.6828		0.0206	0.0200	3.0	30.0
1-Chlorohexane	Ave	0.4428	0.4479		0.0202	0.0200	1.1	30.0
Cyclohexanone	Ave	0.0232	0.0221		0.190	0.200	-4.9	30.0
Pentachloroethane	Ave	0.3898	0.3911		0.0401	0.0400	0.3	30.0
1,2,3-Trimethylbenzene	Ave	2.326	2.365		0.0203	0.0200	1.7	30.0
Benzyl chloride	Ave	1.662	1.614		0.0194	0.0200	-2.9	30.0
1,3,5-Trichlorobenzene	Ave	1.002	0.8839		0.0177	0.0200	-11.7	30.0
2-Methylnaphthalene	Lin1		1.484		0.0357	0.0400	-10.7	30.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922981.d
Lims ID: ICV A9
Client ID:
Sample Type: ICV
Inject. Date: 12-Jul-2021 22:00:07 ALS Bottle#: 0 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111153-017
Operator ID: 001904 Instrument ID: A3UX19
Sublist:

Method: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 13-Jul-2021 16:46:39 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1665

First Level Reviewer: bosworthh Date: 14-Jul-2021 11:19:03

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.938	5.938	0.000	99	833600	20.0	20.0	
*	2 Chlorobenzene-d5	117	8.452	8.452	0.000	86	658404	20.0	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	94	356928	20.0	20.0	
$	4 Dibromofluoromethane (Surr)	111	5.404	5.416	-0.012	93	243402	20.0	20.6	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	97	289575	20.0	20.7	
$	6 Toluene-d8 (Surr)	98	7.206	7.207	-0.001	94	816422	20.0	20.5	
$	7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	93	317409	20.0	21.6	
	26 Acetonitrile	41	3.850	3.851	-0.001	99	422038	200.0	184.8	
	37 Isopropyl ether	87	4.586	4.586	0.000	92	188747	20.0	21.1	
	38 2-Chloro-1,3-butadiene	53	4.645	4.645	0.000	94	361827	20.0	20.8	
	39 Tert-butyl ethyl ether	59	4.870	4.870	0.000	97	653642	20.0	21.0	
	44 Ethyl acetate	43	5.024	5.013	0.011	99	641612	40.0	41.2	
	43 Propionitrile	54	5.060	5.060	0.000	99	564247	200.0	206.2	
	45 Methacrylonitrile	41	5.179	5.179	0.000	92	1973384	200.0	210.6	
	56 Tert-amyl methyl ether	73	5.783	5.784	-0.001	90	716156	20.0	21.1	
	58 n-Butanol	56	6.068	6.068	0.000	87	369165	500.0	521.0	
	60 Ethyl acrylate	55	6.234	6.234	0.000	99	385495	20.0	21.5	
	63 Methyl methacrylate	41	6.424	6.424	0.000	89	495898	40.0	41.6	
	67 2-Nitropropane	41	6.791	6.792	-0.001	100	194317	40.0	37.2	
	78 n-Butyl acetate	43	7.835	7.835	0.000	98	449571	20.0	20.6	
	82 1-Chlorohexane	91	8.428	8.428	0.000	96	294883	20.0	20.2	
	91 Cyclohexanone	55	9.448	9.436	0.012	93	145292	200.0	190.2	
	104 Pentachloroethane	167	10.219	10.219	0.000	89	279158	40.0	40.1	
	110 1,2,3-Trimethylbenzene	105	10.622	10.622	0.000	98	844126	20.0	20.3	
	111 Benzyl chloride	91	10.705	10.705	0.000	99	576255	20.0	19.4	
	115 1,3,5-Trichlorobenzene	180	11.867	11.867	0.000	97	315500	20.0	17.7	
	120 2-Methylnaphthalene	142	14.120	14.120	0.000	92	1059457	40.0	35.7	
	168 1-Methylnaphthalene	142	14.369	14.381	-0.012	93	941688	40.0	34.7	
	169 Isooctane	57		0.100				ND	ND	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

VMFASA9W_00326	Amount Added:	16.00	Units: uL	
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00197	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00008	Amount Added:	2.00	Units: uL	Run Reagent

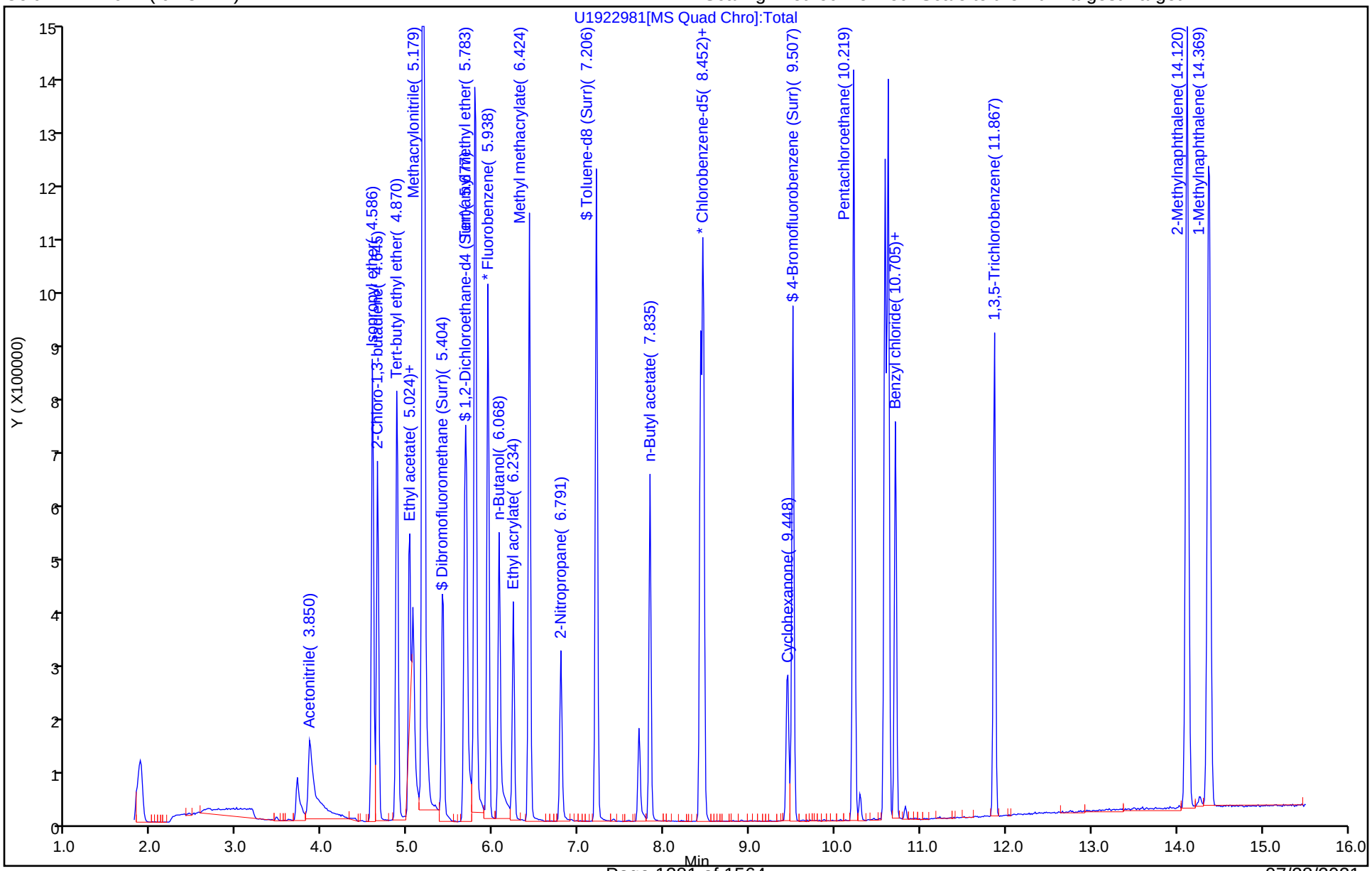
Report Date: 14-Jul-2021 11:19:04 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922981.d

Injection Date:	12-Jul-2021 22:00:07	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	ICV A9			Worklist Smp#:	17
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCV 240-496393/3 Calibration Date: 07/23/2021 15:21

Instrument ID: A3UX19 Calib Start Date: 07/12/2021 19:46

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/12/2021 21:37

Lab File ID: U1923142.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	0.0548	0.0445		0.162	0.200	-18.8	20.0
Diisopropyl ether	Ave	0.2146	0.1959		0.0183	0.0200	-8.7	20.0
2-Chloro-1,3-butadiene	Ave	0.4180	0.4028		0.0193	0.0200	-3.6	20.0
Ethyl-t-butyl ether (ETBE)	Ave	0.7485	0.6754		0.0180	0.0200	-9.8	20.0
Ethyl acetate	Ave	0.3736	0.3270		0.0350	0.0400	-12.5	20.0
Propionitrile	Ave	0.0657	0.0602		0.183	0.200	-8.3	20.0
Methacrylonitrile	Ave	0.2248	0.2058		0.183	0.200	-8.5	20.0
Tert-amyl-methyl ether (TAME)	Ave	0.8146	0.7345		0.0180	0.0200	-9.8	20.0
n-Butanol	Ave	0.0170	0.0149		0.437	0.500	-12.6	20.0
Ethyl acrylate	Ave	0.4304	0.3739		0.0174	0.0200	-13.1	20.0
Methyl methacrylate	Ave	0.2859	0.2416		0.0338	0.0400	-15.5	20.0
2-Nitropropane	Ave	0.1252	0.0950		0.0303	0.0400	-24.1*	20.0
n-Butyl acetate	Ave	0.6631	0.6186		0.0187	0.0200	-6.7	20.0
1-Chlorohexane	Ave	0.4428	0.4759		0.0215	0.0200	7.5	20.0
Cyclohexanone	Ave	0.0232	0.0202		0.174	0.200	-12.8	20.0
Pentachloroethane	Ave	0.3898	0.4155		0.0426	0.0400	6.6	20.0
1,2,3-Trimethylbenzene	Ave	2.326	2.468		0.0212	0.0200	6.1	20.0
Benzyl chloride	Ave	1.662	1.694		0.0204	0.0200	1.9	20.0
1,3,5-Trichlorobenzene	Ave	1.002	0.9334		0.0186	0.0200	-6.8	20.0
2-Methylnaphthalene	Lin1		1.413		0.0339	0.0400	-15.1	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923142.d
Lims ID: CCV A9
Client ID:
Sample Type: CCV
Inject. Date: 23-Jul-2021 15:21:20 ALS Bottle#: 0 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111514-003
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub13

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Jul-2021 15:50:02 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: laveyt Date: 23-Jul-2021 15:50:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.937	5.937	0.000	99	651541	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.463	8.463	0.000	87	465606	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	95	229496	20.0	20.0	
26 Acetonitrile	41	3.850	3.850	0.000	100	289842	200.0	162.3	
37 Isopropyl ether	87	4.586	4.586	0.000	91	127630	20.0	18.3	
38 2-Chloro-1,3-butadiene	53	4.645	4.645	0.000	94	262434	20.0	19.3	
39 Tert-butyl ethyl ether	59	4.870	4.870	0.000	96	440078	20.0	18.0	
44 Ethyl acetate	43	5.024	5.024	0.000	99	426056	40.0	35.0	
43 Propionitrile	54	5.060	5.060	0.000	99	392373	200.0	183.4	
45 Methacrylonitrile	41	5.178	5.178	0.000	91	1340549	200.0	183.1	
56 Tert-amyl methyl ether	73	5.783	5.783	0.000	93	478581	20.0	18.0	
58 n-Butanol	56	6.068	6.068	0.000	88	241910	500.0	436.8	
60 Ethyl acrylate	55	6.234	6.234	0.000	99	243601	20.0	17.4	
63 Methyl methacrylate	41	6.424	6.424	0.000	86	314870	40.0	33.8	
67 2-Nitropropane	41	6.791	6.791	0.000	99	123738	40.0	30.3	
78 n-Butyl acetate	43	7.835	7.835	0.000	98	288032	20.0	18.7	
82 1-Chlorohexane	91	8.428	8.428	0.000	95	221561	20.0	21.5	
91 Cyclohexanone	55	9.448	9.448	0.000	92	94200	200.0	174.4	
104 Pentachloroethane	167	10.218	10.218	0.000	89	190693	40.0	42.6	
110 1,2,3-Trimethylbenzene	105	10.622	10.622	0.000	98	566431	20.0	21.2	
111 Benzyl chloride	91	10.705	10.705	0.000	99	388768	20.0	20.4	
115 1,3,5-Trichlorobenzene	180	11.867	11.867	0.000	96	214203	20.0	18.6	
120 2-Methylnaphthalene	142	14.120	14.120	0.000	91	648685	40.0	33.9	
168 1-Methylnaphthalene	142	14.381	14.381	0.000	92	600912	40.0	34.4	
169 Isooctane	57		0.100				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_00399	Amount Added:	16.00	Units: uL

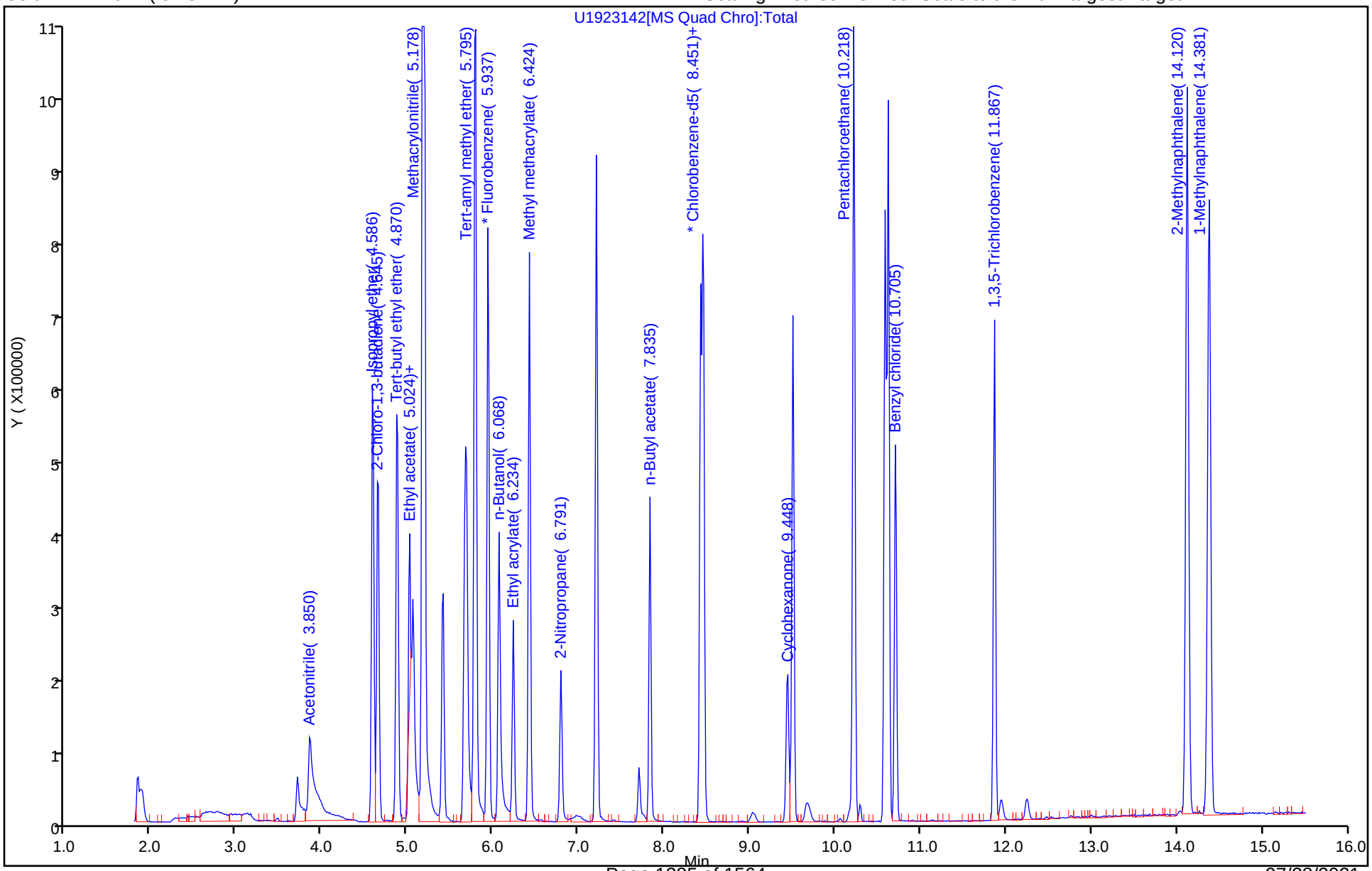
Report Date: 23-Jul-2021 15:50:03 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923142.d

Injection Date:	23-Jul-2021 15:21:20	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	CCV A9			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-496393/4 Calibration Date: 07/23/2021 15:43

Instrument ID: A3UX19 Calib Start Date: 07/10/2021 14:02

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/10/2021 16:37

Lab File ID: U1923143.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	0.2698	0.3775	0.1000	0.0280	0.0200	39.9*	20.0
Chloromethane	Ave	0.4086	0.4208	0.1000	0.0206	0.0200	3.0	20.0
Vinyl chloride	Ave	0.3837	0.4246	0.1000	0.0221	0.0200	10.7	20.0
Butadiene	Ave	0.3716	0.4196		0.0226	0.0200	12.9	20.0
Bromomethane	Ave	0.2884	0.3517	0.0500	0.0244	0.0200	22.0*	20.0
Chloroethane	Ave	0.2291	0.2888	0.0500	0.0252	0.0200	26.1*	20.0
Dichlorofluoromethane	Ave	0.6152	0.7306		0.0238	0.0200	18.8	20.0
Trichlorofluoromethane	Ave	0.5664	0.7838	0.1000	0.0277	0.0200	38.4*	20.0
Ethyl ether	Ave	0.2232	0.2126		0.0191	0.0200	-4.7	20.0
Acrolein	Ave	0.0063	0.0029		0.0459	0.100	-54.1*	20.0
1,1-Dichloroethene	Ave	0.3776	0.3764	0.1000	0.0199	0.0200	-0.3	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.2403	0.2686	0.0500	0.0223	0.0200	11.7	20.0
Acetone	Ave	0.1334	0.1173	0.0100	0.0352	0.0400	-12.1	50.0
Iodomethane	Ave	0.4534	0.4216		0.0186	0.0200	-7.0	20.0
Carbon disulfide	Ave	0.8214	0.7238	0.1000	0.0176	0.0200	-11.9	20.0
Methyl acetate	Ave	0.3051	0.2728	0.1000	0.0358	0.0400	-10.6	50.0
3-Chloro-1-propene	Ave	0.4023	0.3392		0.0169	0.0200	-15.7	20.0
Methylene Chloride	Ave	0.3392	0.3218	0.1000	0.0190	0.0200	-5.1	50.0
tert-Butyl alcohol	Ave	0.0549	0.0429		0.156	0.200	-21.8*	20.0
Acrylonitrile	Ave	0.1533	0.1222		0.159	0.200	-20.3*	20.0
Methyl tert-butyl ether	Ave	0.8066	0.7086	0.1000	0.0176	0.0200	-12.1	20.0
trans-1,2-Dichloroethene	Ave	0.3879	0.3694	0.1000	0.0190	0.0200	-4.8	20.0
Hexane	Ave	0.3466	0.3588		0.0207	0.0200	3.5	20.0
Vinyl acetate	Ave	0.6391	0.5098		0.0160	0.0200	-20.2*	20.0
1,1-Dichloroethane	Ave	0.4744	0.4603	0.2000	0.0194	0.0200	-3.0	20.0
2-Butanone	Ave	0.0565	0.0529	0.0100	0.0374	0.0400	-6.4	50.0
cis-1,2-Dichloroethene	Ave	0.3131	0.3026	0.1000	0.0193	0.0200	-3.3	20.0
2,2-Dichloropropane	Ave	0.3243	0.3259		0.0201	0.0200	0.5	20.0
Bromochloromethane	Ave	0.2490	0.2272		0.0182	0.0200	-8.8	20.0
Tetrahydrofuran	Ave	0.1511	0.1228		0.0325	0.0400	-18.7	20.0
Chloroform	Ave	0.5001	0.5013	0.2000	0.0201	0.0200	0.3	20.0
1,1,1-Trichloroethane	Ave	0.4499	0.4588	0.1000	0.0204	0.0200	2.0	20.0
Cyclohexane	Ave	0.3665	0.4026	0.1000	0.0220	0.0200	9.8	20.0
1,1-Dichloropropene	Ave	0.3884	0.3941		0.0203	0.0200	1.5	20.0
Isobutyl alcohol	Ave	0.0204	0.0185		0.454	0.500	-9.2	20.0
Carbon tetrachloride	Ave	0.4105	0.4213	0.1000	0.0205	0.0200	2.6	20.0
Benzene	Ave	1.043	1.043	0.5000	0.0200	0.0200	0.0	20.0
1,2-Dichloroethane	Ave	0.4037	0.3822	0.1000	0.0189	0.0200	-5.3	20.0
n-Heptane	Lin1		0.1899		0.0200	0.0200	-0.1	20.0
Trichloroethene	Ave	0.3268	0.3110	0.1500	0.0190	0.0200	-4.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-496393/4 Calibration Date: 07/23/2021 15:43

Instrument ID: A3UX19 Calib Start Date: 07/10/2021 14:02

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/10/2021 16:37

Lab File ID: U1923143.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	0.4209	0.4490	0.1000	0.0213	0.0200	6.7	20.0
1,2-Dichloropropane	Ave	0.2560	0.2415	0.1000	0.0189	0.0200	-5.7	20.0
1,4-Dioxane	Ave	0.0047	0.0047		0.404	0.400	1.1	50.0
Dibromomethane	Ave	0.2338	0.2013		0.0172	0.0200	-13.9	20.0
Bromodichloromethane	Ave	0.3738	0.3466	0.1500	0.0185	0.0200	-7.3	20.0
2-Chloroethyl vinyl ether	Ave	0.1938	0.1717		0.0354	0.0400	-11.4	20.0
cis-1,3-Dichloropropene	Ave	0.4394	0.3768	0.1500	0.0172	0.0200	-14.2	50.0
4-Methyl-2-pentanone	Ave	0.4235	0.3664	0.0500	0.0346	0.0400	-13.5	50.0
Toluene	Ave	1.410	1.503	0.4000	0.0213	0.0200	6.6	20.0
trans-1,3-Dichloropropene	Ave	0.5402	0.4870	0.1000	0.0180	0.0200	-9.9	20.0
Ethyl methacrylate	Ave	0.4769	0.4497		0.0189	0.0200	-5.7	20.0
1,1,2-Trichloroethane	Ave	0.2994	0.3172	0.1000	0.0212	0.0200	6.0	20.0
Tetrachloroethene	Ave	0.4206	0.4277	0.1500	0.0203	0.0200	1.7	20.0
1,3-Dichloropropane	Ave	0.5132	0.5358		0.0209	0.0200	4.4	20.0
2-Hexanone	Ave	0.4173	0.3805	0.0500	0.0365	0.0400	-8.8	50.0
Dibromochloromethane	Ave	0.3735	0.3509		0.0188	0.0200	-6.1	20.0
1,2-Dibromoethane	Ave	0.3506	0.3526		0.0201	0.0200	0.6	20.0
Chlorobenzene	Ave	0.9300	0.9491	0.3000	0.0204	0.0200	2.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3644	0.3577		0.0196	0.0200	-1.8	20.0
Ethylbenzene	Ave	0.5052	0.5311		0.0210	0.0200	5.1	20.0
m-Xylene & p-Xylene	Ave	0.6144	0.6509		0.0212	0.0200	5.9	20.0
o-Xylene	Ave	0.5999	0.6214		0.0207	0.0200	3.6	20.0
Styrene	Ave	0.9748	0.9744	0.3000	0.0200	0.0200	-0.0	20.0
Bromoform	Ave	0.3022	0.2568	0.1000	0.0170	0.0200	-15.0	20.0
Isopropylbenzene	Ave	1.536	1.658	0.1000	0.0216	0.0200	8.0	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8537	0.9552	0.3000	0.0224	0.0200	11.9	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3313	0.2521		0.0152	0.0200	-23.9*	20.0
Bromobenzene	Ave	0.7625	0.7879		0.0207	0.0200	3.3	20.0
1,2,3-Trichloropropane	Ave	0.3113	0.3366		0.0216	0.0200	8.1	20.0
n-Propylbenzene	Ave	0.7745	0.8459		0.0218	0.0200	9.2	20.0
2-Chlorotoluene	Ave	0.6710	0.7293		0.0217	0.0200	8.7	20.0
1,3,5-Trimethylbenzene	Ave	2.245	2.463		0.0219	0.0200	9.7	20.0
4-Chlorotoluene	Ave	0.7141	0.7609		0.0213	0.0200	6.6	20.0
tert-Butylbenzene	Ave	1.954	2.169		0.0222	0.0200	11.0	20.0
1,2,4-Trimethylbenzene	Ave	2.283	2.509		0.0220	0.0200	9.9	20.0
sec-Butylbenzene	Ave	2.725	3.091		0.0227	0.0200	13.4	20.0
1,3-Dichlorobenzene	Ave	1.413	1.468	0.6000	0.0208	0.0200	3.9	20.0
p-Isopropyltoluene	Ave	2.414	2.630		0.0218	0.0200	9.0	20.0
1,4-Dichlorobenzene	Ave	1.445	1.466	0.5000	0.0203	0.0200	1.5	20.0
n-Butylbenzene	Ave	2.071	2.303		0.0222	0.0200	11.2	20.0
1,2-Dichlorobenzene	Ave	1.346	1.408	0.4000	0.0209	0.0200	4.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-496393/4 Calibration Date: 07/23/2021 15:43

Instrument ID: A3UX19 Calib Start Date: 07/10/2021 14:02

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/10/2021 16:37

Lab File ID: U1923143.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	0.2923	0.2660	0.0500	0.0182	0.0200	-9.0	50.0
1,2,4-Trichlorobenzene	Ave	0.9320	0.8308	0.2000	0.0178	0.0200	-10.9	50.0
Hexachlorobutadiene	Ave	0.3858	0.3004		0.0156	0.0200	-22.1	50.0
Naphthalene	Ave	3.033	2.902		0.0191	0.0200	-4.3	50.0
1,2,3-Trichlorobenzene	Ave	0.8790	0.7859		0.0179	0.0200	-10.6	20.0
Dibromofluoromethane (Surr)	Ave	0.2834	0.2761		0.0195	0.0200	-2.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3362	0.3157		0.0188	0.0200	-6.1	20.0
Toluene-d8 (Surr)	Ave	1.209	1.284		0.0212	0.0200	6.2	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4458	0.4965		0.0223	0.0200	11.4	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923143.d
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 23-Jul-2021 15:43:29 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111514-004
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub1

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Jul-2021 16:09:34 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: laveyt Date: 23-Jul-2021 16:09:34

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	98	653522	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.464	8.464	0.000	85	476760	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	94	255499	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.416	5.416	0.000	92	180406	20.0	19.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	99	206328	20.0	18.8	
$ 6 Toluene-d8 (Surr)	98	7.206	7.206	0.000	94	612271	20.0	21.2	
$ 7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	91	236711	20.0	22.3	
9 Dichlorodifluoromethane	85	2.072	2.072	0.000	99	246703	20.0	28.0	
10 Chloromethane	50	2.297	2.297	0.000	99	274988	20.0	20.6	
12 Vinyl chloride	62	2.427	2.427	0.000	98	277466	20.0	22.1	
11 Butadiene	54	2.451	2.451	0.000	92	274203	20.0	22.6	
13 Bromomethane	94	2.783	2.783	0.000	95	229816	20.0	24.4	
15 Chloroethane	64	2.878	2.878	0.000	99	188751	20.0	25.2	
16 Dichlorofluoromethane	67	3.080	3.080	0.000	98	477484	20.0	23.8	
17 Trichlorofluoromethane	101	3.127	3.127	0.000	99	512209	20.0	27.7	
18 Ethyl ether	59	3.364	3.364	0.000	91	138960	20.0	19.1	
19 Acrolein	56	3.495	3.495	0.000	97	9386	100.0	45.9	
20 1,1-Dichloroethene	61	3.590	3.590	0.000	98	245961	20.0	19.9	
21 112TCTFE	101	3.601	3.601	0.000	94	175519	20.0	22.3	
22 Acetone	43	3.613	3.613	0.000	100	153305	40.0	35.2	
24 Iodomethane	142	3.732	3.732	0.000	98	275550	20.0	18.6	
25 Carbon disulfide	76	3.803	3.803	0.000	100	472997	20.0	17.6	
28 Methyl acetate	43	3.874	3.874	0.000	97	356609	40.0	35.8	
27 3-Chloro-1-propene	41	3.898	3.898	0.000	86	221689	20.0	16.9	
29 Methylene Chloride	49	4.005	4.005	0.000	91	210283	20.0	19.0	
30 2-Methyl-2-propanol	59	4.064	4.064	0.000	98	280398	200.0	156.4	
31 Acrylonitrile	53	4.194	4.194	0.000	98	798717	200.0	159.4	
33 Methyl tert-butyl ether	73	4.218	4.218	0.000	96	463117	20.0	17.6	
32 trans-1,2-Dichloroethene	61	4.230	4.230	0.000	97	241403	20.0	19.0	
34 Hexane	57	4.455	4.455	0.000	93	234486	20.0	20.7	
36 Vinyl acetate	43	4.562	4.562	0.000	98	333148	20.0	16.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 1,1-Dichloroethane	63	4.586	4.586	0.000	97	300789	20.0	19.4	
40 2-Butanone (MEK)	72	5.013	5.013	0.000	99	69143	40.0	37.4	
41 cis-1,2-Dichloroethene	96	5.036	5.036	0.000	82	197771	20.0	19.3	
42 2,2-Dichloropropane	77	5.048	5.048	0.000	88	213001	20.0	20.1	
46 Chlorobromomethane	49	5.226	5.226	0.000	92	148465	20.0	18.2	
47 Tetrahydrofuran	42	5.238	5.238	0.000	85	160537	40.0	32.5	
48 Chloroform	83	5.285	5.285	0.000	94	327642	20.0	20.1	
49 1,1,1-Trichloroethane	97	5.440	5.440	0.000	98	299853	20.0	20.4	
50 Cyclohexane	84	5.511	5.511	0.000	82	263121	20.0	22.0	
53 Isobutyl alcohol	41	5.558	5.558	0.000	89	302507	500.0	453.9	
51 1,1-Dichloropropene	75	5.558	5.558	0.000	95	257551	20.0	20.3	
52 Carbon tetrachloride	117	5.570	5.570	0.000	96	275329	20.0	20.5	
54 Benzene	78	5.724	5.724	0.000	96	681781	20.0	20.0	
55 1,2-Dichloroethane	62	5.748	5.748	0.000	97	249764	20.0	18.9	
57 n-Heptane	57	5.902	5.914	-0.012	89	124098	20.0	20.0	
59 Trichloroethene	130	6.222	6.222	0.000	97	203270	20.0	19.0	
61 Methylcyclohexane	83	6.424	6.424	0.000	92	293433	20.0	21.3	
62 1,2-Dichloropropane	63	6.436	6.436	0.000	93	157811	20.0	18.9	
65 1,4-Dioxane	88	6.471	6.471	0.000	90	61984	400.0	404.3	
64 Dibromomethane	174	6.507	6.507	0.000	95	131578	20.0	17.2	
66 Dichlorobromomethane	83	6.625	6.625	0.000	98	226541	20.0	18.5	
68 2-Chloroethyl vinyl ether	63	6.815	6.815	0.000	93	224411	40.0	35.4	
69 cis-1,3-Dichloropropene	75	6.969	6.969	0.000	94	246266	20.0	17.2	
70 4-Methyl-2-pentanone (MIBK)	43	7.076	7.076	0.000	96	478940	40.0	34.6	
71 Toluene	91	7.266	7.266	0.000	98	716716	20.0	21.3	
72 trans-1,3-Dichloropropene	75	7.432	7.432	0.000	97	232161	20.0	18.0	
73 Ethyl methacrylate	69	7.444	7.444	0.000	84	214376	20.0	18.9	
74 1,1,2-Trichloroethane	97	7.598	7.598	0.000	92	151245	20.0	21.2	
75 Tetrachloroethene	166	7.705	7.705	0.000	95	203921	20.0	20.3	
76 1,3-Dichloropropane	76	7.752	7.752	0.000	93	255430	20.0	20.9	
77 2-Hexanone	43	7.764	7.764	0.000	96	362847	40.0	36.5	
79 Chlorodibromomethane	129	7.942	7.942	0.000	89	167277	20.0	18.8	
81 Ethylene Dibromide	107	8.060	8.060	0.000	98	168087	20.0	20.1	
83 Chlorobenzene	112	8.487	8.487	0.000	95	452510	20.0	20.4	
84 1,1,1,2-Tetrachloroethane	131	8.547	8.547	0.000	93	170537	20.0	19.6	
85 Ethylbenzene	106	8.547	8.547	0.000	98	253223	20.0	21.0	
86 m-Xylene & p-Xylene	106	8.665	8.665	0.000	99	310341	20.0	21.2	
87 o-Xylene	106	9.009	9.009	0.000	95	296271	20.0	20.7	
88 Styrene	104	9.021	9.021	0.000	94	464542	20.0	20.0	
89 Bromoform	173	9.211	9.211	0.000	94	122437	20.0	17.0	
90 Isopropylbenzene	105	9.341	9.341	0.000	96	790574	20.0	21.6	
93 1,1,2,2-Tetrachloroethane	83	9.602	9.602	0.000	96	244042	20.0	22.4	
97 trans-1,4-Dichloro-2-butene	53	9.638	9.638	0.000	85	64412	20.0	15.2	
95 Bromobenzene	156	9.661	9.661	0.000	94	201313	20.0	20.7	
96 1,2,3-Trichloropropane	110	9.673	9.673	0.000	82	86000	20.0	21.6	
98 N-Propylbenzene	120	9.721	9.721	0.000	99	216118	20.0	21.8	
100 2-Chlorotoluene	126	9.815	9.815	0.000	96	186323	20.0	21.7	
101 1,3,5-Trimethylbenzene	105	9.875	9.875	0.000	94	629392	20.0	21.9	
102 4-Chlorotoluene	126	9.934	9.934	0.000	98	194416	20.0	21.3	
103 tert-Butylbenzene	119	10.183	10.183	0.000	93	554170	20.0	22.2	
105 1,2,4-Trimethylbenzene	105	10.230	10.230	0.000	96	641142	20.0	22.0	
106 sec-Butylbenzene	105	10.385	10.385	0.000	95	789686	20.0	22.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 4-Isopropyltoluene	119	10.515	10.515	0.000	96	672057	20.0	21.8	
107 1,3-Dichlorobenzene	146	10.515	10.515	0.000	73	375052	20.0	20.8	
109 1,4-Dichlorobenzene	146	10.610	10.610	0.000	93	374636	20.0	20.3	
112 n-Butylbenzene	91	10.906	10.906	0.000	98	588329	20.0	22.2	
113 1,2-Dichlorobenzene	146	10.954	10.954	0.000	97	359682	20.0	20.9	
114 1,2-Dibromo-3-Chloropropane	157	11.689	11.689	0.000	84	67972	20.0	18.2	
116 1,2,4-Trichlorobenzene	180	12.484	12.484	0.000	94	212266	20.0	17.8	
117 Hexachlorobutadiene	225	12.614	12.614	0.000	96	76752	20.0	15.6	
118 Naphthalene	128	12.756	12.756	0.000	98	741570	20.0	19.1	
119 1,2,3-Trichlorobenzene	180	12.994	12.994	0.000	95	200796	20.0	17.9	
S 124 Total BTEX	1				0		100.0	104.3	
S 125 Trihalomethanes, Total	1				0		80.0	74.4	
S 128 Xylenes, Total	106				0		40.0	41.9	

QC Flag Legend

Processing Flags

Reagents:

vmarolistdw_00401	Amount Added: 16.00	Units: uL	
vmrprimw_00444	Amount Added: 16.00	Units: uL	
vmrgas_00393	Amount Added: 16.00	Units: uL	
vm50ss_stk_00087	Amount Added: 2.00	Units: uL	Run Reagent
vmDist_H2o_00198	Amount Added: 0.00	Units:	Run Reagent
vm50is_stk_A_00008	Amount Added: 2.00	Units: uL	Run Reagent

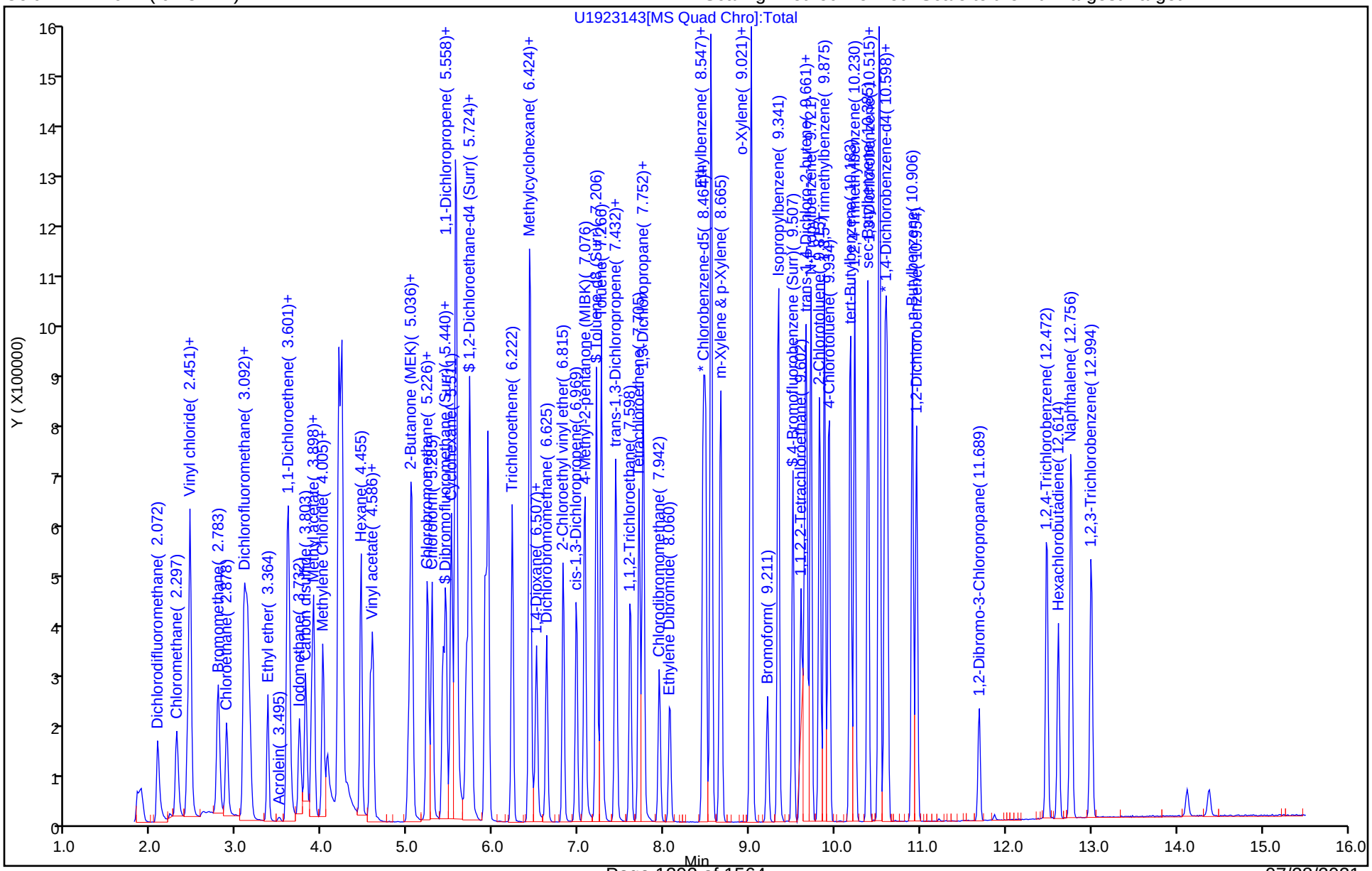
Report Date: 23-Jul-2021 16:09:35 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923143.d

Injection Date:	23-Jul-2021 15:43:29	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	CCVIS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-490967/15 Calibration Date: 06/16/2021 17:24

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 14:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 17:01

Lab File ID: UX996084.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	0.4109	0.4434	0.1000	0.0216	0.0200	7.9	30.0
Chloromethane	Ave	0.3997	0.4282	0.1000	0.0214	0.0200	7.1	30.0
Vinyl chloride	Ave	0.4022	0.4597	0.1000	0.0229	0.0200	14.3	30.0
Butadiene	Ave	0.3672	0.3817		0.0208	0.0200	3.9	30.0
Bromomethane	Ave	0.3214	0.3292	0.0500	0.0205	0.0200	2.4	30.0
Chloroethane	Ave	0.2943	0.3017	0.0500	0.0205	0.0200	2.5	30.0
Dichlorofluoromethane	Ave	0.6144	0.6423		0.0209	0.0200	4.5	30.0
Trichlorofluoromethane	Ave	0.5841	0.6313	0.1000	0.0216	0.0200	8.1	30.0
Ethyl ether	Ave	0.2790	0.2994		0.0215	0.0200	7.3	30.0
Acrolein	Ave	0.0160	0.0273		0.171	0.100	70.6*	30.0
1,1-Dichloroethene	Ave	0.4857	0.5399	0.1000	0.0222	0.0200	11.2	30.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.3622	0.3608	0.0500	0.0199	0.0200	-0.4	30.0
Acetone	Ave	0.0513	0.0470	0.0100	0.0366	0.0400	-8.5	50.0
Iodomethane	Ave	0.3780	0.3902		0.0206	0.0200	3.2	30.0
Carbon disulfide	Ave	0.9625	1.008	0.1000	0.0210	0.0200	4.8	30.0
3-Chloro-1-propene	Ave	0.5312	0.5151		0.0194	0.0200	-3.0	30.0
Methyl acetate	Ave	0.3416	0.3488	0.1000	0.0408	0.0400	2.1	50.0
Methylene Chloride	Ave	0.4433	0.4363	0.1000	0.0197	0.0200	-1.6	50.0
tert-Butyl alcohol	Ave	0.0626	0.0670		0.214	0.200	7.1	30.0
Acrylonitrile	Ave	0.1798	0.1856		0.206	0.200	3.2	30.0
Methyl tert-butyl ether	Ave	1.171	1.192	0.1000	0.0204	0.0200	1.8	30.0
trans-1,2-Dichloroethene	Ave	0.4550	0.4900	0.1000	0.0215	0.0200	7.7	30.0
Hexane	Ave	0.4759	0.4991		0.0210	0.0200	4.9	30.0
1,1-Dichloroethane	Ave	0.6275	0.6361	0.2000	0.0203	0.0200	1.4	30.0
Vinyl acetate	Ave	0.8216	0.7635		0.0186	0.0200	-7.1	30.0
2,2-Dichloropropane	Ave	0.6269	0.6374		0.0203	0.0200	1.7	30.0
2-Butanone	Ave	0.0664	0.0682	0.0100	0.0411	0.0400	2.7	50.0
cis-1,2-Dichloroethene	Ave	0.3903	0.4152	0.1000	0.0213	0.0200	6.4	30.0
Bromochloromethane	Ave	0.2637	0.2581		0.0196	0.0200	-2.1	30.0
Tetrahydrofuran	Ave	0.1536	0.1555		0.0405	0.0400	1.2	30.0
Chloroform	Ave	0.6311	0.6469	0.2000	0.0205	0.0200	2.5	30.0
1,1,1-Trichloroethane	Ave	0.6119	0.6332	0.1000	0.0207	0.0200	3.5	30.0
Cyclohexane	Ave	0.6054	0.6256	0.1000	0.0207	0.0200	3.3	30.0
1,1-Dichloropropene	Ave	0.4952	0.5098		0.0206	0.0200	3.0	30.0
Carbon tetrachloride	Ave	0.5296	0.5440	0.1000	0.0205	0.0200	2.7	30.0
Isobutyl alcohol	Ave	0.0174	0.0177		0.507	0.500	1.3	30.0
1,2-Dichloroethane	Ave	0.4809	0.4880	0.1000	0.0203	0.0200	1.5	30.0
Benzene	Ave	1.404	1.421	0.5000	0.0203	0.0200	1.3	30.0
n-Heptane	Ave	0.3315	0.3051		0.0184	0.0200	-8.0	30.0
Trichloroethene	Ave	0.3887	0.4012	0.1500	0.0206	0.0200	3.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-490967/15 Calibration Date: 06/16/2021 17:24

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 14:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 17:01

Lab File ID: UX996084.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-Dichloropropane	Ave	0.3326	0.3462	0.1000	0.0208	0.0200	4.1	30.0
Methylcyclohexane	Ave	0.6367	0.6460	0.1000	0.0203	0.0200	1.5	30.0
Dibromomethane	Ave	0.2323	0.2362		0.0203	0.0200	1.7	30.0
1,4-Dioxane	Ave	0.0061	0.0063		0.415	0.400	3.7	50.0
Bromodichloromethane	Ave	0.4861	0.4945	0.1500	0.0203	0.0200	1.7	30.0
2-Chloroethyl vinyl ether	Ave	0.2220	0.2383		0.0215	0.0200	7.4	30.0
cis-1,3-Dichloropropene	Ave	0.5098	0.5040	0.1500	0.0198	0.0200	-1.1	50.0
4-Methyl-2-pentanone	Ave	0.4546	0.4685	0.0500	0.0412	0.0400	3.1	50.0
Toluene	Ave	2.025	2.121	0.4000	0.0209	0.0200	4.7	30.0
trans-1,3-Dichloropropene	Ave	0.6121	0.5824	0.1000	0.0190	0.0200	-4.8	30.0
Ethyl methacrylate	Ave	0.6846	0.6882		0.0201	0.0200	0.5	30.0
1,1,2-Trichloroethane	Ave	0.4377	0.4462	0.1000	0.0204	0.0200	1.9	30.0
1,3-Dichloropropane	Ave	0.7397	0.7468		0.0202	0.0200	1.0	30.0
Tetrachloroethene	Ave	0.5449	0.5592	0.1500	0.0205	0.0200	2.6	30.0
2-Hexanone	Ave	0.4314	0.4667	0.0500	0.0433	0.0400	8.2	50.0
Dibromochloromethane	Ave	0.4855	0.5039		0.0208	0.0200	3.8	30.0
1,2-Dibromoethane	Ave	0.4318	0.4213		0.0195	0.0200	-2.4	30.0
Chlorobenzene	Ave	1.319	1.335	0.3000	0.0202	0.0200	1.2	30.0
1,1,1,2-Tetrachloroethane	Ave	0.5112	0.5168		0.0202	0.0200	1.1	30.0
Ethylbenzene	Ave	0.7770	0.7891		0.0203	0.0200	1.6	30.0
m-Xylene & p-Xylene	Ave	0.9652	0.9846		0.0204	0.0200	2.0	30.0
o-Xylene	Ave	0.9374	0.9545		0.0204	0.0200	1.8	30.0
Styrene	Ave	1.384	1.442	0.3000	0.0208	0.0200	4.2	30.0
Bromoform	Ave	0.3646	0.3733	0.1000	0.0205	0.0200	2.4	30.0
Isopropylbenzene	Ave	2.439	2.515	0.1000	0.0206	0.0200	3.1	30.0
1,1,2,2-Tetrachloroethane	Ave	1.175	1.207	0.3000	0.0206	0.0200	2.8	30.0
Bromobenzene	Ave	1.050	1.072		0.0204	0.0200	2.1	30.0
1,2,3-Trichloropropane	Ave	0.4667	0.4805		0.0206	0.0200	3.0	30.0
trans-1,4-Dichloro-2-butene	Ave	0.3619	0.3808		0.0210	0.0200	5.2	30.0
n-Propylbenzene	Ave	1.241	1.285		0.0207	0.0200	3.5	30.0
2-Chlorotoluene	Ave	1.038	1.070		0.0206	0.0200	3.0	30.0
1,3,5-Trimethylbenzene	Ave	3.618	3.693		0.0204	0.0200	2.1	30.0
4-Chlorotoluene	Ave	1.072	1.093		0.0204	0.0200	2.0	30.0
tert-Butylbenzene	Ave	3.483	3.748		0.0215	0.0200	7.6	30.0
1,2,4-Trimethylbenzene	Ave	3.610	3.744		0.0207	0.0200	3.7	30.0
sec-Butylbenzene	Ave	0.996	1.028		0.0207	0.0200	3.3	30.0
1,3-Dichlorobenzene	Ave	2.031	2.080	0.6000	0.0205	0.0200	2.4	30.0
p-Isopropyltoluene	Ave	3.892	4.029		0.0207	0.0200	3.5	30.0
1,4-Dichlorobenzene	Ave	2.056	2.088	0.5000	0.0203	0.0200	1.6	30.0
n-Butylbenzene	Ave	3.146	3.245		0.0206	0.0200	3.1	30.0
1,2-Dichlorobenzene	Ave	1.937	1.919	0.4000	0.0198	0.0200	-1.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-490967/15 Calibration Date: 06/16/2021 17:24

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 14:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 17:01

Lab File ID: UX996084.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	0.3348	0.3464	0.0500	0.0207	0.0200	3.5	50.0
1,2,4-Trichlorobenzene	Ave	1.173	1.233	0.2000	0.0210	0.0200	5.1	50.0
Hexachlorobutadiene	Ave	0.4531	0.4838		0.0214	0.0200	6.8	50.0
Naphthalene	Ave	3.910	4.152		0.0212	0.0200	6.2	50.0
1,2,3-Trichlorobenzene	Ave	1.097	1.183		0.0216	0.0200	7.8	30.0
Dibromofluoromethane (Surr)	Ave	0.3322	0.3355		0.0202	0.0200	1.0	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3790	0.3882		0.0205	0.0200	2.4	30.0
Toluene-d8 (Surr)	Ave	1.732	1.751		0.0202	0.0200	1.1	30.0
4-Bromofluorobenzene (Surr)	Ave	0.6533	0.6508		0.0199	0.0200	-0.4	30.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996084.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 16-Jun-2021 17:24:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0110323-015
Operator ID: 001765 Instrument ID: A3UX9
Sublist:

Method: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 17-Jun-2021 08:48:29 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: bosworthh Date: 17-Jun-2021 08:08:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.877	5.877	0.000	99	853218	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.574	8.575	-0.001	86	642240	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.823	10.824	-0.001	92	347846	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.297	5.296	0.001	93	286284	20.0	20.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.593	5.592	0.001	100	331254	20.0	20.5	
$ 6 Toluene-d8 (Surr)	98	7.261	7.261	0.000	93	1124267	20.0	20.2	
$ 7 4-Bromofluorobenzene (Surr)	95	9.687	9.686	0.001	94	417995	20.0	19.9	
9 Dichlorodifluoromethane	85	1.782	1.782	0.000	100	378317	20.0	21.6	
10 Chloromethane	50	1.972	1.971	0.001	99	365386	20.0	21.4	
11 Vinyl chloride	62	2.090	2.090	0.000	99	392228	20.0	22.9	
12 Butadiene	54	2.126	2.125	0.001	91	325674	20.0	20.8	
13 Bromomethane	94	2.433	2.433	0.000	91	280840	20.0	20.5	
15 Chloroethane	64	2.552	2.551	0.001	99	257442	20.0	20.5	
16 Dichlorofluoromethane	67	2.753	2.752	0.001	98	548023	20.0	20.9	
17 Trichlorofluoromethane	101	2.812	2.823	-0.011	100	538653	20.0	21.6	
18 Ethyl ether	59	3.108	3.107	0.001	88	255444	20.0	21.5	
21 Acrolein	56	3.214	3.226	-0.012	98	116311	100.0	170.6	
24 1,1-Dichloroethene	61	3.321	3.332	-0.011	99	460639	20.0	22.2	
22 112TCTFE	101	3.333	3.332	0.000	91	307858	20.0	19.9	
23 Acetone	58	3.368	3.368	0.000	100	80140	40.0	36.6	
25 Iodomethane	142	3.475	3.474	0.000	99	332899	20.0	20.6	
26 Carbon disulfide	76	3.545	3.545	0.000	100	860337	20.0	21.0	
28 3-Chloro-1-propene	41	3.664	3.663	0.001	88	439535	20.0	19.4	
29 Methyl acetate	43	3.676	3.675	0.001	97	595180	40.0	40.8	
30 Methylene Chloride	49	3.770	3.770	0.000	89	372272	20.0	19.7	
31 2-Methyl-2-propanol	59	3.853	3.853	0.000	99	571886	200.0	214.3	
32 Acrylonitrile	53	3.971	3.971	0.000	99	1583387	200.0	206.5	
33 Methyl tert-butyl ether	73	4.019	4.018	0.001	95	1017408	20.0	20.4	
34 trans-1,2-Dichloroethene	61	4.019	4.018	0.001	93	418059	20.0	21.5	
35 Hexane	57	4.267	4.267	0.000	91	425852	20.0	21.0	
36 1,1-Dichloroethane	63	4.386	4.385	0.001	97	542737	20.0	20.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 Vinyl acetate	43	4.421	4.421	0.000	97	651462	20.0	18.6	
42 2,2-Dichloropropane	77	4.894	4.894	0.000	89	543857	20.0	20.3	
41 2-Butanone (MEK)	72	4.894	4.894	0.000	96	116435	40.0	41.1	
43 cis-1,2-Dichloroethene	96	4.894	4.894	0.000	83	354258	20.0	21.3	
47 Chlorobromomethane	49	5.096	5.095	0.001	91	220188	20.0	19.6	
48 Tetrahydrofuran	42	5.143	5.143	0.001	84	265380	40.0	40.5	
49 Chloroform	83	5.155	5.154	0.001	95	551977	20.0	20.5	
50 1,1,1-Trichloroethane	97	5.332	5.332	0.000	98	540298	20.0	20.7	
51 Cyclohexane	84	5.391	5.403	-0.012	88	533795	20.0	20.7	
52 1,1-Dichloropropene	75	5.474	5.474	0.000	97	434969	20.0	20.6	
53 Carbon tetrachloride	117	5.486	5.486	0.000	98	464160	20.0	20.5	
54 Isobutyl alcohol	41	5.510	5.521	-0.011	94	377060	500.0	506.7	
56 1,2-Dichloroethane	62	5.652	5.651	0.001	59	416376	20.0	20.3	
55 Benzene	78	5.652	5.651	0.001	95	1212702	20.0	20.3	
58 n-Heptane	71	5.865	5.864	0.001	88	260292	20.0	18.4	
60 Trichloroethene	130	6.196	6.196	0.000	96	342340	20.0	20.6	
62 Methylcyclohexane	83	6.385	6.385	0.000	88	551197	20.0	20.3	
63 1,2-Dichloropropane	63	6.385	6.385	0.000	94	295418	20.0	20.8	
66 Dibromomethane	174	6.492	6.491	0.001	96	201568	20.0	20.3	
65 1,4-Dioxane	88	6.504	6.503	0.001	90	107463	400.0	415.0	
67 Dichlorobromomethane	83	6.610	6.610	0.000	99	421895	20.0	20.3	
69 2-Chloroethyl vinyl ether	63	6.859	6.858	0.001	94	203355	20.0	21.5	
71 cis-1,3-Dichloropropene	75	7.001	7.000	0.001	95	430058	20.0	19.8	
72 4-Methyl-2-pentanone (MIBK)	43	7.119	7.119	0.000	95	799432	40.0	41.2	
73 Toluene	91	7.320	7.320	0.000	99	1362060	20.0	20.9	
74 trans-1,3-Dichloropropene	75	7.486	7.485	0.001	94	374035	20.0	19.0	
75 Ethyl methacrylate	69	7.545	7.545	0.000	88	442016	20.0	20.1	
76 1,1,2-Trichloroethane	97	7.651	7.663	-0.012	93	286570	20.0	20.4	
77 1,3-Dichloropropane	76	7.817	7.817	0.000	90	479612	20.0	20.2	
78 Tetrachloroethene	166	7.817	7.817	0.000	98	359166	20.0	20.5	
80 2-Hexanone	43	7.864	7.864	0.000	95	599460	40.0	43.3	
82 Chlorodibromomethane	129	8.030	8.030	0.000	90	323615	20.0	20.8	
83 Ethylene Dibromide	107	8.148	8.148	0.000	98	270583	20.0	19.5	
85 Chlorobenzene	112	8.598	8.598	0.000	95	857549	20.0	20.2	
86 1,1,1,2-Tetrachloroethane	131	8.669	8.669	0.000	95	331891	20.0	20.2	
87 Ethylbenzene	106	8.693	8.692	0.001	98	506781	20.0	20.3	
88 m-Xylene & p-Xylene	106	8.799	8.799	0.000	99	632371	20.0	20.4	
89 o-Xylene	106	9.178	9.177	0.001	97	613010	20.0	20.4	
90 Styrene	104	9.190	9.189	0.001	92	925835	20.0	20.8	
91 Bromoform	173	9.379	9.379	0.000	96	239774	20.0	20.5	
92 Isopropylbenzene	105	9.533	9.532	0.001	95	1615511	20.0	20.6	
94 1,1,2,2-Tetrachloroethane	83	9.793	9.793	0.000	96	419890	20.0	20.6	
95 Bromobenzene	156	9.841	9.840	0.001	96	372820	20.0	20.4	
96 trans-1,4-Dichloro-2-butene	53	9.852	9.852	0.000	72	132447	20.0	21.0	
97 1,2,3-Trichloropropane	110	9.852	9.852	0.000	83	167153	20.0	20.6	
98 N-Propylbenzene	120	9.923	9.935	-0.012	99	446855	20.0	20.7	
100 2-Chlorotoluene	126	10.030	10.029	0.001	97	372036	20.0	20.6	
101 1,3,5-Trimethylbenzene	105	10.089	10.100	-0.011	95	1284502	20.0	20.4	
102 4-Chlorotoluene	126	10.125	10.124	0.001	98	380111	20.0	20.4	
104 tert-Butylbenzene	119	10.420	10.420	0.000	91	1303888	20.0	21.5	
106 1,2,4-Trimethylbenzene	105	10.468	10.467	0.001	94	1302270	20.0	20.7	
107 sec-Butylbenzene	134	10.633	10.633	0.000	94	357671	20.0	20.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 1,3-Dichlorobenzene	146	10.752	10.751	0.001	98	723440	20.0	20.5	
109 4-Isopropyltoluene	119	10.775	10.775	0.000	97	1401390	20.0	20.7	
110 1,4-Dichlorobenzene	146	10.846	10.846	0.000	95	726414	20.0	20.3	
113 n-Butylbenzene	91	11.178	11.177	0.001	97	1128901	20.0	20.6	
114 1,2-Dichlorobenzene	146	11.213	11.213	0.000	98	667477	20.0	19.8	
115 1,2-Dibromo-3-Chloropropane	157	11.982	11.982	0.000	88	120497	20.0	20.7	
117 1,2,4-Trichlorobenzene	180	12.822	12.822	0.000	94	428932	20.0	21.0	
118 Hexachlorobutadiene	225	13.000	12.999	0.001	98	168303	20.0	21.4	
119 Naphthalene	128	13.083	13.082	0.001	97	1444146	20.0	21.2	
120 1,2,3-Trichlorobenzene	180	13.355	13.354	0.001	96	411448	20.0	21.6	
S 158 Total BTEX	1				0		100.0	102.3	
S 130 Trihalomethanes, Total	83				0		80.0	82.1	
S 131 Xylenes, Total	106				0		40.0	40.8	

QC Flag Legend

Processing Flags

Reagents:

vmfasgw_00412	Amount Added:	16.00	Units: uL
vmfasaw_00377	Amount Added:	16.00	Units: uL
vmfaspw_00402	Amount Added:	16.00	Units: uL
vm50is_stk_A_00008	Amount Added:	2.00	Units: uL
vm50ss_00444	Amount Added:	16.00	Units: uL

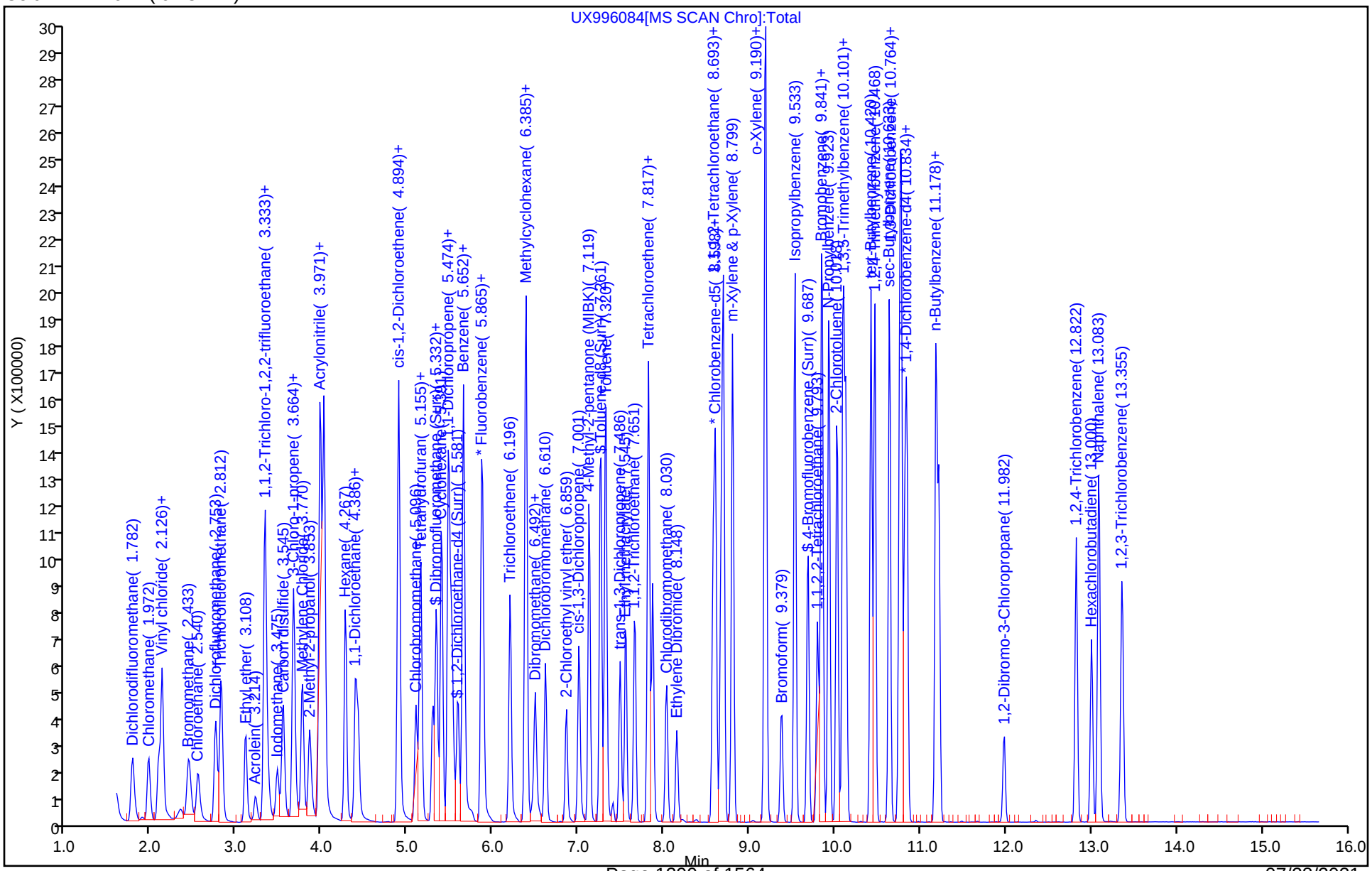
Report Date: 17-Jun-2021 08:54:59 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996084.D

Injection Date:	16-Jun-2021 17:24:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	ICV			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-490967/24 Calibration Date: 06/16/2021 20:52

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 14:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 17:01

Lab File ID: UX996093.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	0.3322	0.3143		0.0189	0.0200	-5.4	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3790	0.3791		0.0200	0.0200	0.0	30.0
Toluene-d8 (Surr)	Ave	1.732	1.621		0.0187	0.0200	-6.4	30.0
4-Bromofluorobenzene (Surr)	Ave	0.6533	0.6017		0.0184	0.0200	-7.9	30.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996093.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 16-Jun-2021 20:52:30 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0110323-024
Operator ID: 001765 Instrument ID: A3UX9
Sublist:

Method: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 17-Jun-2021 08:48:29 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: bosworthh Date: 17-Jun-2021 08:35:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.880	5.877	0.003	99	831269	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.578	8.575	0.003	85	631041	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.815	10.824	-0.009	95	327601	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.289	5.296	-0.007	93	261291	20.0	18.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.584	5.592	-0.008	99	315097	20.0	20.0	
$ 6 Toluene-d8 (Surr)	98	7.253	7.261	-0.008	93	1022692	20.0	18.7	
$ 7 4-Bromofluorobenzene (Surr)	95	9.679	9.686	-0.007	90	379696	20.0	18.4	
27 Acetonitrile	41	3.620	3.617	0.003	100	537717	200.0	188.0	
38 Isopropyl ether	87	4.448	4.446	0.002	92	274304	20.0	19.4	
39 2-Chloro-1,3-butadiene	53	4.472	4.481	-0.009	93	411956	20.0	18.8	
40 Tert-butyl ethyl ether	59	4.756	4.753	0.003	96	908045	20.0	19.7	
44 Ethyl acetate	43	4.934	4.931	0.003	99	708183	40.0	36.3	
45 Propionitrile	54	4.934	4.931	0.003	86	610896	200.0	196.9	
46 Methacrylonitrile	41	5.076	5.073	0.003	91	2216334	200.0	193.0	
163 Isooctane	57	5.715	5.724	-0.009	97	753031	20.0	18.2	
57 Tert-amyl methyl ether	73	5.726	5.735	-0.009	98	929226	20.0	19.4	
59 n-Butanol	56	6.081	6.079	0.002	86	348947	500.0	535.2	
61 Ethyl acrylate	55	6.247	6.256	-0.009	99	440610	20.0	19.3	
64 Methyl methacrylate	41	6.448	6.457	-0.009	87	611538	40.0	38.2	
68 2-Nitropropane	41	6.791	6.800	-0.009	97	259556	40.0	36.5	
81 n-Butyl acetate	43	7.975	7.972	0.003	98	547348	20.0	19.7	
84 1-Chlorohexane	91	8.554	8.552	0.002	93	429362	20.0	18.5	
93 Cyclohexanone	55	9.619	9.617	0.002	92	159186	200.0	199.2	
105 Pentachloroethane	167	10.448	10.445	0.003	91	103901	40.0	12.0	
111 1,2,3-Trimethylbenzene	105	10.886	10.883	0.003	98	1177861	20.0	19.7	
112 Benzyl chloride	126	10.968	10.966	0.002	98	154277	20.0	17.5	
116 1,3,5-Trichlorobenzene	180	12.199	12.208	-0.009	97	414254	20.0	19.5	
121 2-Methylnaphthalene	142	14.506	14.504	0.002	93	1035568	40.0	44.7	
162 1-Methylnaphthalene	142	14.790	14.788	0.002	94	864782	40.0	44.8	

Reagents:

vmfasa9w_00323	Amount Added:	16.00	Units: uL
vm50is_stk_A_00008	Amount Added:	2.00	Units: uL
vm50ss_00444	Amount Added:	16.00	Units: uL

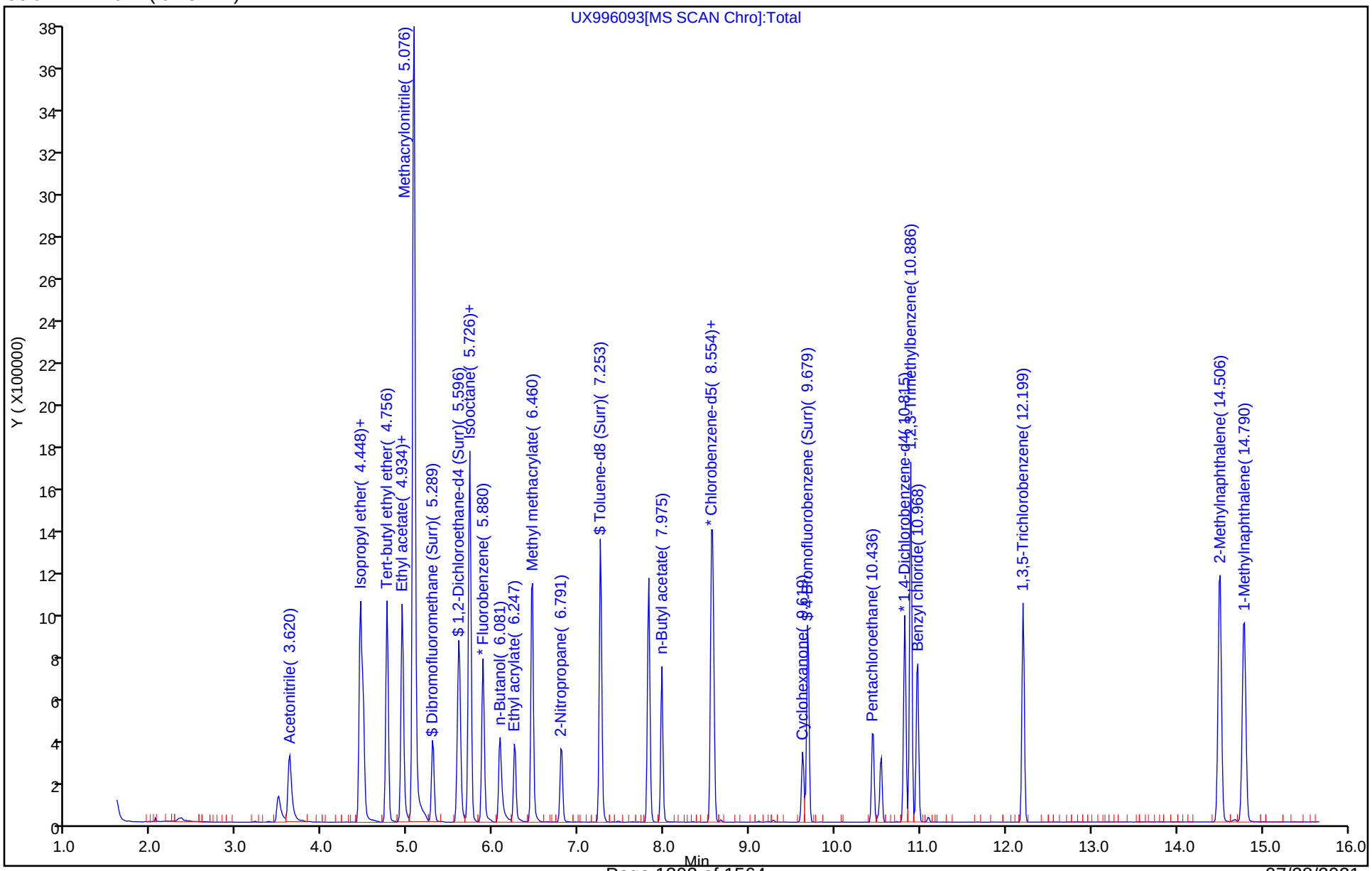
Report Date: 17-Jun-2021 08:55:02 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996093.D

Injection Date:	16-Jun-2021 20:52:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	ICV			Worklist Smp#:	24
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-490967/24 Calibration Date: 06/16/2021 20:52

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 18:33

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 20:29

Lab File ID: UX996093.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	0.0688	0.0647		0.188	0.200	-6.0	30.0
Diisopropyl ether	Ave	0.3409	0.3300		0.0194	0.0200	-3.2	30.0
2-Chloro-1,3-butadiene	Ave	0.5261	0.4956		0.0188	0.0200	-5.8	30.0
Ethyl-t-butyl ether (ETBE)	Ave	1.110	1.092		0.0197	0.0200	-1.6	30.0
Ethyl acetate	Ave	0.4689	0.4260		0.0363	0.0400	-9.2	30.0
Propionitrile	Ave	0.0746	0.0735		0.197	0.200	-1.6	30.0
Methacrylonitrile	Ave	0.2763	0.2666		0.193	0.200	-3.5	30.0
Tert-amyl-methyl ether (TAME)	Ave	1.152	1.118		0.0194	0.0200	-2.9	30.0
n-Butanol	Ave	0.0157	0.0168		0.535	0.500	7.0	30.0
Ethyl acrylate	Ave	0.5503	0.5300		0.0193	0.0200	-3.7	30.0
Methyl methacrylate	Ave	0.3850	0.3678		0.0382	0.0400	-4.5	30.0
2-Nitropropane	Ave	0.1710	0.1561		0.0365	0.0400	-8.7	30.0
n-Butyl acetate	Ave	0.8825	0.8674		0.0197	0.0200	-1.7	30.0
1-Chlorohexane	Ave	0.7364	0.6804		0.0185	0.0200	-7.6	30.0
Cyclohexanone	Ave	0.0488	0.0486		0.199	0.200	-0.4	30.0
Pentachloroethane	Ave	0.5308	0.1586		0.0120	0.0400	-70.1*	30.0
1,2,3-Trimethylbenzene	Ave	3.646	3.595		0.0197	0.0200	-1.4	30.0
Benzyl chloride	Ave	0.5367	0.4709		0.0175	0.0200	-12.3	30.0
1,3,5-Trichlorobenzene	Ave	1.297	1.265		0.0195	0.0200	-2.5	30.0
2-Methylnaphthalene	Ave	1.414	1.581		0.0447	0.0400	11.8	30.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996093.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 16-Jun-2021 20:52:30 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0110323-024
Operator ID: 001765 Instrument ID: A3UX9
Sublist:

Method: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 17-Jun-2021 08:48:29 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1616

First Level Reviewer: bosworthh Date: 17-Jun-2021 08:35:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.880	5.877	0.003	99	831269	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.578	8.575	0.003	85	631041	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.815	10.824	-0.009	95	327601	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.289	5.296	-0.007	93	261291	20.0	18.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.584	5.592	-0.008	99	315097	20.0	20.0	
$ 6 Toluene-d8 (Surr)	98	7.253	7.261	-0.008	93	1022692	20.0	18.7	
$ 7 4-Bromofluorobenzene (Surr)	95	9.679	9.686	-0.007	90	379696	20.0	18.4	
27 Acetonitrile	41	3.620	3.617	0.003	100	537717	200.0	188.0	
38 Isopropyl ether	87	4.448	4.446	0.002	92	274304	20.0	19.4	
39 2-Chloro-1,3-butadiene	53	4.472	4.481	-0.009	93	411956	20.0	18.8	
40 Tert-butyl ethyl ether	59	4.756	4.753	0.003	96	908045	20.0	19.7	
44 Ethyl acetate	43	4.934	4.931	0.003	99	708183	40.0	36.3	
45 Propionitrile	54	4.934	4.931	0.003	86	610896	200.0	196.9	
46 Methacrylonitrile	41	5.076	5.073	0.003	91	2216334	200.0	193.0	
163 Isooctane	57	5.715	5.724	-0.009	97	753031	20.0	18.2	
57 Tert-amyl methyl ether	73	5.726	5.735	-0.009	98	929226	20.0	19.4	
59 n-Butanol	56	6.081	6.079	0.002	86	348947	500.0	535.2	
61 Ethyl acrylate	55	6.247	6.256	-0.009	99	440610	20.0	19.3	
64 Methyl methacrylate	41	6.448	6.457	-0.009	87	611538	40.0	38.2	
68 2-Nitropropane	41	6.791	6.800	-0.009	97	259556	40.0	36.5	
81 n-Butyl acetate	43	7.975	7.972	0.003	98	547348	20.0	19.7	
84 1-Chlorohexane	91	8.554	8.552	0.002	93	429362	20.0	18.5	
93 Cyclohexanone	55	9.619	9.617	0.002	92	159186	200.0	199.2	
105 Pentachloroethane	167	10.448	10.445	0.003	91	103901	40.0	12.0	
111 1,2,3-Trimethylbenzene	105	10.886	10.883	0.003	98	1177861	20.0	19.7	
112 Benzyl chloride	126	10.968	10.966	0.002	98	154277	20.0	17.5	
116 1,3,5-Trichlorobenzene	180	12.199	12.208	-0.009	97	414254	20.0	19.5	
121 2-Methylnaphthalene	142	14.506	14.504	0.002	93	1035568	40.0	44.7	
162 1-Methylnaphthalene	142	14.790	14.788	0.002	94	864782	40.0	44.8	

Reagents:

vmfasa9w_00323	Amount Added:	16.00	Units: uL
vm50is_stk_A_00008	Amount Added:	2.00	Units: uL
vm50ss_00444	Amount Added:	16.00	Units: uL

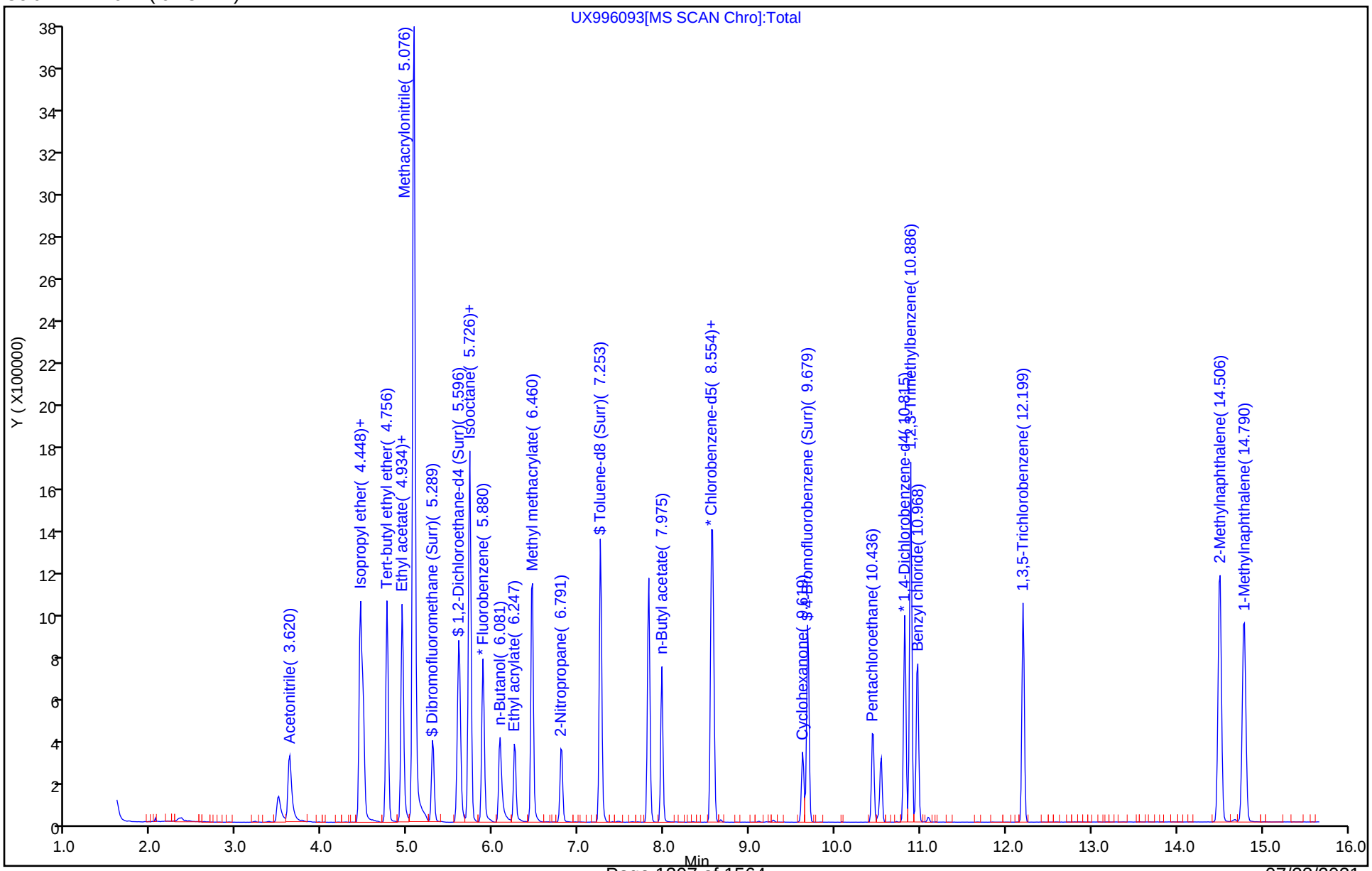
Report Date: 17-Jun-2021 08:55:02 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996093.D

Injection Date:	16-Jun-2021 20:52:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	ICV			Worklist Smp#:	24
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-495770/3 Calibration Date: 07/20/2021 10:22

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 14:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 17:01

Lab File ID: UX996998.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	0.4109	0.7498	0.1000	0.0365	0.0200	82.4*	20.0
Chloromethane	Ave	0.3997	0.5028	0.1000	0.0252	0.0200	25.8*	20.0
Vinyl chloride	Ave	0.4022	0.5314	0.1000	0.0264	0.0200	32.1*	20.0
Butadiene	Ave	0.3672	0.5149		0.0280	0.0200	40.2*	20.0
Bromomethane	Ave	0.3214	0.3344	0.0500	0.0208	0.0200	4.1	20.0
Chloroethane	Ave	0.2943	0.3364	0.0500	0.0229	0.0200	14.3	20.0
Dichlorofluoromethane	Ave	0.6144	0.7612		0.0248	0.0200	23.9*	20.0
Trichlorofluoromethane	Ave	0.5841	0.7965	0.1000	0.0273	0.0200	36.4*	20.0
Ethyl ether	Ave	0.2790	0.2787		0.0200	0.0200	-0.1	20.0
Acrolein	Ave	0.0160	0.0118		0.0739	0.100	-26.1*	20.0
1,1-Dichloroethene	Ave	0.4857	0.5348	0.1000	0.0220	0.0200	10.1	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.3622	0.3677	0.0500	0.0203	0.0200	1.5	20.0
Acetone	Ave	0.0513	0.0413	0.0100	0.0322	0.0400	-19.6	50.0
Iodomethane	Ave	0.3780	0.3776		0.0200	0.0200	-0.1	20.0
Carbon disulfide	Ave	0.9625	0.9225	0.1000	0.0192	0.0200	-4.2	20.0
3-Chloro-1-propene	Ave	0.5312	0.4957		0.0187	0.0200	-6.7	20.0
Methyl acetate	Ave	0.3416	0.3152	0.1000	0.0369	0.0400	-7.7	50.0
Methylene Chloride	Ave	0.4433	0.4539	0.1000	0.0205	0.0200	2.4	50.0
tert-Butyl alcohol	Ave	0.0626	0.0552		0.176	0.200	-11.8	20.0
Acrylonitrile	Ave	0.1798	0.1673		0.186	0.200	-6.9	20.0
Methyl tert-butyl ether	Ave	1.171	1.249	0.1000	0.0213	0.0200	6.6	20.0
trans-1,2-Dichloroethene	Ave	0.4550	0.4935	0.1000	0.0217	0.0200	8.5	20.0
Hexane	Ave	0.4759	0.5416		0.0228	0.0200	13.8	20.0
1,1-Dichloroethane	Ave	0.6275	0.6813	0.2000	0.0217	0.0200	8.6	20.0
Vinyl acetate	Ave	0.8216	0.8134		0.0198	0.0200	-1.0	20.0
2-Butanone	Ave	0.0664	0.0615	0.0100	0.0370	0.0400	-7.4	50.0
2,2-Dichloropropane	Ave	0.6269	0.7138		0.0228	0.0200	13.9	20.0
cis-1,2-Dichloroethene	Ave	0.3903	0.4154	0.1000	0.0213	0.0200	6.4	20.0
Bromochloromethane	Ave	0.2637	0.3013		0.0229	0.0200	14.3	20.0
Tetrahydrofuran	Ave	0.1536	0.1432		0.0373	0.0400	-6.8	20.0
Chloroform	Ave	0.6311	0.7145	0.2000	0.0226	0.0200	13.2	20.0
1,1,1-Trichloroethane	Ave	0.6119	0.7189	0.1000	0.0235	0.0200	17.5	20.0
Cyclohexane	Ave	0.6054	0.6803	0.1000	0.0225	0.0200	12.4	20.0
1,1-Dichloropropene	Ave	0.4952	0.5772		0.0233	0.0200	16.6	20.0
Carbon tetrachloride	Ave	0.5296	0.6169	0.1000	0.0233	0.0200	16.5	20.0
Isobutyl alcohol	Ave	0.0174	0.0158		0.452	0.500	-9.5	20.0
1,2-Dichloroethane	Ave	0.4809	0.5616	0.1000	0.0234	0.0200	16.8	20.0
Benzene	Ave	1.404	1.547	0.5000	0.0220	0.0200	10.2	20.0
n-Heptane	Ave	0.3315	0.3283		0.0198	0.0200	-1.0	20.0
Trichloroethene	Ave	0.3887	0.4405	0.1500	0.0227	0.0200	13.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-495770/3 Calibration Date: 07/20/2021 10:22

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 14:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 17:01

Lab File ID: UX996998.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	0.6367	0.7324	0.1000	0.0230	0.0200	15.0	20.0
1,2-Dichloropropane	Ave	0.3326	0.3710	0.1000	0.0223	0.0200	11.6	20.0
1,4-Dioxane	Ave	0.0061	0.0057		0.378	0.400	-5.6	50.0
Dibromomethane	Ave	0.2323	0.2567		0.0221	0.0200	10.5	20.0
Bromodichloromethane	Ave	0.4861	0.5262	0.1500	0.0217	0.0200	8.3	20.0
2-Chloroethyl vinyl ether	Ave	0.2220	0.2393		0.0431	0.0400	7.8	20.0
cis-1,3-Dichloropropene	Ave	0.5098	0.5870	0.1500	0.0230	0.0200	15.1	50.0
4-Methyl-2-pentanone	Ave	0.4546	0.4621	0.0500	0.0407	0.0400	1.6	50.0
Toluene	Ave	2.025	2.204	0.4000	0.0218	0.0200	8.9	20.0
trans-1,3-Dichloropropene	Ave	0.6121	0.6746	0.1000	0.0220	0.0200	10.2	20.0
Ethyl methacrylate	Ave	0.6846	0.7065		0.0206	0.0200	3.2	20.0
1,1,2-Trichloroethane	Ave	0.4377	0.4466	0.1000	0.0204	0.0200	2.0	20.0
1,3-Dichloropropane	Ave	0.7397	0.7656		0.0207	0.0200	3.5	20.0
Tetrachloroethene	Ave	0.5449	0.5685	0.1500	0.0209	0.0200	4.3	20.0
2-Hexanone	Ave	0.4314	0.3968	0.0500	0.0368	0.0400	-8.0	50.0
Dibromochloromethane	Ave	0.4855	0.4831		0.0199	0.0200	-0.5	20.0
1,2-Dibromoethane	Ave	0.4318	0.4513		0.0209	0.0200	4.5	20.0
Chlorobenzene	Ave	1.319	1.384	0.3000	0.0210	0.0200	4.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5112	0.5224		0.0204	0.0200	2.2	20.0
Ethylbenzene	Ave	0.7770	0.8203		0.0211	0.0200	5.6	20.0
m-Xylene & p-Xylene	Ave	0.9652	1.013		0.0210	0.0200	4.9	20.0
o-Xylene	Ave	0.9374	0.9726		0.0208	0.0200	3.8	20.0
Styrene	Ave	1.384	1.584	0.3000	0.0229	0.0200	14.5	20.0
Bromoform	Ave	0.3646	0.3301	0.1000	0.0181	0.0200	-9.5	20.0
Isopropylbenzene	Ave	2.439	2.564	0.1000	0.0210	0.0200	5.1	20.0
1,1,2,2-Tetrachloroethane	Ave	1.175	1.078	0.3000	0.0184	0.0200	-8.2	20.0
Bromobenzene	Ave	1.050	1.000		0.0190	0.0200	-4.8	20.0
1,2,3-Trichloropropane	Ave	0.4667	0.4349		0.0186	0.0200	-6.8	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3619	0.3745		0.0207	0.0200	3.5	20.0
n-Propylbenzene	Ave	1.241	1.246		0.0201	0.0200	0.4	20.0
2-Chlorotoluene	Ave	1.038	1.022		0.0197	0.0200	-1.6	20.0
1,3,5-Trimethylbenzene	Ave	3.618	3.593		0.0199	0.0200	-0.7	20.0
4-Chlorotoluene	Ave	1.072	1.084		0.0202	0.0200	1.2	20.0
tert-Butylbenzene	Ave	3.483	3.424		0.0197	0.0200	-1.7	20.0
1,2,4-Trimethylbenzene	Ave	3.610	3.638		0.0202	0.0200	0.8	20.0
sec-Butylbenzene	Ave	0.996	0.9944		0.0200	0.0200	-0.1	20.0
1,3-Dichlorobenzene	Ave	2.031	1.979	0.6000	0.0195	0.0200	-2.6	20.0
p-Isopropyltoluene	Ave	3.892	3.925		0.0202	0.0200	0.9	20.0
1,4-Dichlorobenzene	Ave	2.056	2.015	0.5000	0.0196	0.0200	-2.0	20.0
n-Butylbenzene	Ave	3.146	3.161		0.0201	0.0200	0.5	20.0
1,2-Dichlorobenzene	Ave	1.937	1.879	0.4000	0.0194	0.0200	-3.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-495770/3 Calibration Date: 07/20/2021 10:22

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 14:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 17:01

Lab File ID: UX996998.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	0.3348	0.2585	0.0500	0.0154	0.0200	-22.8	50.0
1,2,4-Trichlorobenzene	Ave	1.173	1.034	0.2000	0.0176	0.0200	-11.9	50.0
Hexachlorobutadiene	Ave	0.4531	0.3725		0.0164	0.0200	-17.8	50.0
Naphthalene	Ave	3.910	3.096		0.0158	0.0200	-20.8	50.0
1,2,3-Trichlorobenzene	Ave	1.097	0.9449		0.0172	0.0200	-13.9	20.0
Dibromofluoromethane (Surr)	Ave	0.3322	0.3346		0.0164	0.0163	0.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3790	0.3756		0.0162	0.0163	-0.9	20.0
Toluene-d8 (Surr)	Ave	1.732	1.733		0.0163	0.0163	0.0	20.0
4-Bromofluorobenzene (Surr)	Ave	0.6533	0.6836		0.0171	0.0163	4.6	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\UX996998.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 20-Jul-2021 10:22:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111393-003
Operator ID: 001765 Instrument ID: A3UX9
Sublist: chrom-8260_9*sub46

Method: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Jul-2021 11:27:20 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1648

First Level Reviewer: bosworthh Date: 20-Jul-2021 11:27:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.879	5.879	0.000	99	654345	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.577	8.577	0.000	86	532006	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.814	10.814	0.000	95	300867	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.288	5.288	0.000	92	178759	16.3	16.4	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.584	5.584	0.000	98	200652	16.3	16.2	
$ 6 Toluene-d8 (Surr)	98	7.252	7.252	0.000	93	752701	16.3	16.3	
$ 7 4-Bromofluorobenzene (Surr)	95	9.678	9.678	0.000	89	296934	16.3	17.1	
9 Dichlorodifluoromethane	85	1.773	1.773	0.000	99	490605	20.0	36.5	
10 Chloromethane	50	1.963	1.963	0.000	99	329004	20.0	25.2	
11 Vinyl chloride	62	2.093	2.093	0.000	98	347692	20.0	26.4	
12 Butadiene	54	2.128	2.128	0.000	95	336950	20.0	28.0	
13 Bromomethane	94	2.436	2.436	0.000	92	218819	20.0	20.8	
15 Chloroethane	64	2.554	2.554	0.000	99	220107	20.0	22.9	
16 Dichlorofluoromethane	67	2.756	2.756	0.000	99	498071	20.0	24.8	
17 Trichlorofluoromethane	101	2.827	2.827	0.000	98	521211	20.0	27.3	
18 Ethyl ether	59	3.099	3.099	0.000	89	182349	20.0	20.0	
21 Acrolein	56	3.217	3.217	0.000	99	38655	100.0	73.9	
24 1,1-Dichloroethene	61	3.324	3.324	0.000	97	349917	20.0	22.0	
22 112TCTFE	101	3.335	3.335	0.000	95	240579	20.0	20.3	
23 Acetone	58	3.359	3.359	0.000	99	53995	40.0	32.2	
25 Iodomethane	142	3.477	3.477	0.000	99	247069	20.0	20.0	
26 Carbon disulfide	76	3.548	3.548	0.000	100	603614	20.0	19.2	
28 3-Chloro-1-propene	41	3.655	3.655	0.000	85	324329	20.0	18.7	
29 Methyl acetate	43	3.667	3.667	0.000	97	412490	40.0	36.9	
30 Methylene Chloride	49	3.761	3.761	0.000	92	296976	20.0	20.5	
31 2-Methyl-2-propanol	59	3.856	3.856	0.000	99	360916	200.0	176.3	
32 Acrylonitrile	53	3.974	3.974	0.000	97	1094808	200.0	186.1	
33 Methyl tert-butyl ether	73	4.022	4.022	0.000	95	816951	20.0	21.3	
34 trans-1,2-Dichloroethene	61	4.022	4.022	0.000	96	322951	20.0	21.7	
35 Hexane	57	4.270	4.270	0.000	93	354399	20.0	22.8	
36 1,1-Dichloroethane	63	4.389	4.389	0.000	97	445828	20.0	21.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 Vinyl acetate	43	4.424	4.424	0.000	97	532231	20.0	19.8	
41 2-Butanone (MEK)	72	4.886	4.886	0.000	98	80488	40.0	37.0	
42 2,2-Dichloropropane	77	4.897	4.897	0.000	91	467095	20.0	22.8	
43 cis-1,2-Dichloroethene	96	4.897	4.897	0.000	87	271790	20.0	21.3	
47 Chlorobromomethane	49	5.099	5.099	0.000	94	197139	20.0	22.9	
48 Tetrahydrofuran	42	5.146	5.146	0.000	84	187397	40.0	37.3	
49 Chloroform	83	5.158	5.158	0.000	97	467539	20.0	22.6	
50 1,1,1-Trichloroethane	97	5.335	5.335	0.000	98	470426	20.0	23.5	
51 Cyclohexane	84	5.394	5.394	0.000	90	445125	20.0	22.5	
52 1,1-Dichloropropene	75	5.477	5.477	0.000	96	377658	20.0	23.3	
53 Carbon tetrachloride	117	5.489	5.489	0.000	98	403683	20.0	23.3	
54 Isobutyl alcohol	41	5.513	5.513	0.000	93	258145	500.0	452.3	
56 1,2-Dichloroethane	62	5.655	5.655	0.000	61	367511	20.0	23.4	
55 Benzene	78	5.655	5.655	0.000	96	1012460	20.0	22.0	
58 n-Heptane	71	5.868	5.868	0.000	84	214795	20.0	19.8	
60 Trichloroethene	130	6.199	6.199	0.000	95	288250	20.0	22.7	
62 Methylcyclohexane	83	6.376	6.376	0.000	90	479245	20.0	23.0	
63 1,2-Dichloropropane	63	6.388	6.388	0.000	91	242769	20.0	22.3	
65 1,4-Dioxane	88	6.495	6.495	0.000	95	74988	400.0	377.6	
66 Dibromomethane	174	6.495	6.495	0.000	94	167998	20.0	22.1	
67 Dichlorobromomethane	83	6.613	6.613	0.000	97	344318	20.0	21.7	
69 2-Chloroethyl vinyl ether	63	6.850	6.850	0.000	95	313232	40.0	43.1	
71 cis-1,3-Dichloropropene	75	7.004	7.004	0.000	94	384072	20.0	23.0	
72 4-Methyl-2-pentanone (MIBK)	43	7.122	7.122	0.000	95	604712	40.0	40.7	
73 Toluene	91	7.311	7.311	0.000	98	1172790	20.0	21.8	
74 trans-1,3-Dichloropropene	75	7.489	7.489	0.000	95	358895	20.0	22.0	
75 Ethyl methacrylate	69	7.548	7.548	0.000	87	375868	20.0	20.6	
76 1,1,2-Trichloroethane	97	7.654	7.654	0.000	94	237620	20.0	20.4	
77 1,3-Dichloropropane	76	7.808	7.808	0.000	92	407281	20.0	20.7	
78 Tetrachloroethene	166	7.820	7.820	0.000	97	302465	20.0	20.9	
80 2-Hexanone	43	7.867	7.867	0.000	96	422178	40.0	36.8	
82 Chlorodibromomethane	129	8.021	8.021	0.000	90	257017	20.0	19.9	
83 Ethylene Dibromide	107	8.151	8.151	0.000	97	240084	20.0	20.9	
85 Chlorobenzene	112	8.601	8.601	0.000	95	736178	20.0	21.0	
86 1,1,1,2-Tetrachloroethane	131	8.672	8.672	0.000	94	277911	20.0	20.4	
87 Ethylbenzene	106	8.696	8.696	0.000	98	436399	20.0	21.1	
88 m-Xylene & p-Xylene	106	8.802	8.802	0.000	99	538700	20.0	21.0	
89 o-Xylene	106	9.181	9.181	0.000	98	517426	20.0	20.8	
90 Styrene	104	9.193	9.193	0.000	94	842749	20.0	22.9	
91 Bromoform	173	9.370	9.370	0.000	94	175618	20.0	18.1	
92 Isopropylbenzene	105	9.536	9.536	0.000	96	1364036	20.0	21.0	
94 1,1,2,2-Tetrachloroethane	83	9.796	9.796	0.000	97	324485	20.0	18.4	
95 Bromobenzene	156	9.843	9.843	0.000	97	300815	20.0	19.0	
96 trans-1,4-Dichloro-2-butene	53	9.855	9.855	0.000	72	112688	20.0	20.7	
97 1,2,3-Trichloropropane	110	9.855	9.855	0.000	83	130850	20.0	18.6	
98 N-Propylbenzene	120	9.926	9.926	0.000	99	374840	20.0	20.1	
100 2-Chlorotoluene	126	10.021	10.021	0.000	96	307534	20.0	19.7	
101 1,3,5-Trimethylbenzene	105	10.092	10.092	0.000	94	1081110	20.0	19.9	
102 4-Chlorotoluene	126	10.127	10.127	0.000	98	326210	20.0	20.2	
104 tert-Butylbenzene	119	10.423	10.423	0.000	91	1030286	20.0	19.7	
106 1,2,4-Trimethylbenzene	105	10.459	10.459	0.000	98	1094663	20.0	20.2	
107 sec-Butylbenzene	134	10.636	10.636	0.000	94	299192	20.0	20.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 1,3-Dichlorobenzene	146	10.755	10.755	0.000	98	595318	20.0	19.5	
109 4-Isopropyltoluene	119	10.778	10.778	0.000	97	1180858	20.0	20.2	
110 1,4-Dichlorobenzene	146	10.837	10.837	0.000	94	606098	20.0	19.6	
113 n-Butylbenzene	91	11.181	11.181	0.000	97	950947	20.0	20.1	
114 1,2-Dichlorobenzene	146	11.216	11.216	0.000	97	565221	20.0	19.4	
115 1,2-Dibromo-3-Chloropropane	157	11.973	11.973	0.000	83	77769	20.0	15.4	
117 1,2,4-Trichlorobenzene	180	12.825	12.825	0.000	93	311127	20.0	17.6	
118 Hexachlorobutadiene	225	13.003	13.003	0.000	96	112066	20.0	16.4	
119 Naphthalene	128	13.086	13.086	0.000	97	931346	20.0	15.8	
120 1,2,3-Trichlorobenzene	180	13.358	13.358	0.000	94	284292	20.0	17.2	
S 158 Total BTEX	1				0		100.0	106.7	
S 130 Trihalomethanes, Total	83				0		80.0	82.3	
S 131 Xylenes, Total	106				0		40.0	41.7	

QC Flag Legend

Processing Flags

Reagents:

vmrgas_00393	Amount Added:	16.00	Units: uL	
vmrprimw_00444	Amount Added:	16.00	Units: uL	
vmarolistdw_00401	Amount Added:	16.00	Units: uL	
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm40mL_vials_00016	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	1.63	Units: uL	Run Reagent

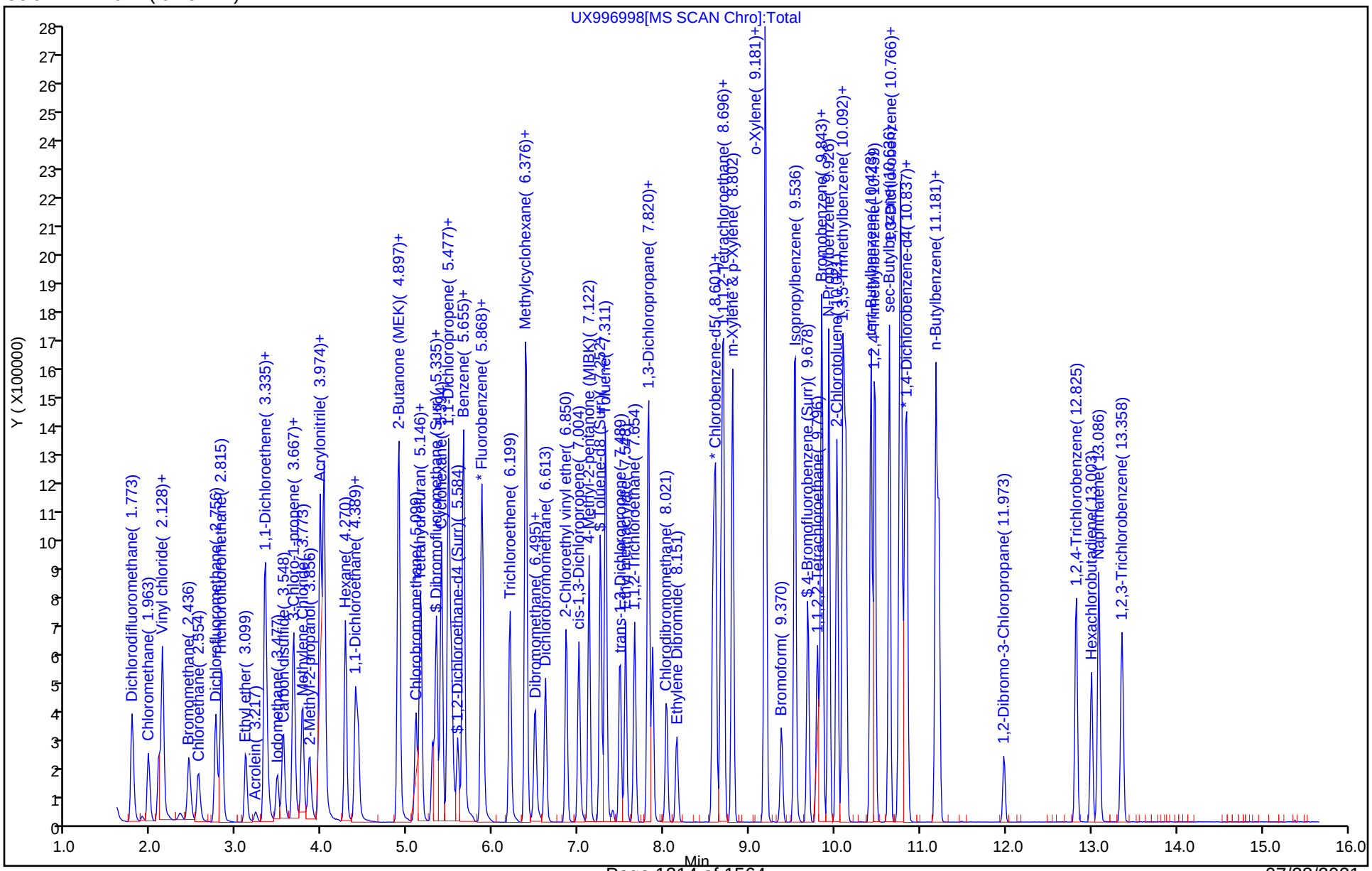
Report Date: 20-Jul-2021 11:27:21 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\UX996998.D

Injection Date:	20-Jul-2021 10:22:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCV 240-495770/4 Calibration Date: 07/20/2021 10:45

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 18:33

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 20:29

Lab File ID: UX996999.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	0.0688	0.0630		0.183	0.200	-8.5	20.0
Diisopropyl ether	Ave	0.3409	0.3443		0.0202	0.0200	1.0	20.0
2-Chloro-1,3-butadiene	Ave	0.5261	0.5859		0.0223	0.0200	11.4	20.0
Ethyl-t-butyl ether (ETBE)	Ave	1.110	1.148		0.0207	0.0200	3.5	20.0
Ethyl acetate	Ave	0.4689	0.4645		0.0396	0.0400	-0.9	20.0
Propionitrile	Ave	0.0746	0.0708		0.190	0.200	-5.1	20.0
Methacrylonitrile	Ave	0.2763	0.2780		0.201	0.200	0.6	20.0
Tert-amyl-methyl ether (TAME)	Ave	1.152	1.222		0.0212	0.0200	6.1	20.0
n-Butanol	Ave	0.0157	0.0148		0.473	0.500	-5.4	20.0
Ethyl acrylate	Ave	0.5503	0.5596		0.0203	0.0200	1.7	20.0
Methyl methacrylate	Ave	0.3850	0.4002		0.0416	0.0400	4.0	20.0
2-Nitropropane	Ave	0.1710	0.1626		0.0380	0.0400	-4.9	20.0
n-Butyl acetate	Ave	0.8825	0.8639		0.0196	0.0200	-2.1	20.0
1-Chlorohexane	Ave	0.7364	0.7663		0.0208	0.0200	4.1	20.0
Cyclohexanone	Ave	0.0488	0.0403		0.165	0.200	-17.3	20.0
Pentachloroethane	Ave	0.5308	0.5802		0.0437	0.0400	9.3	20.0
1,2,3-Trimethylbenzene	Ave	3.646	3.488		0.0191	0.0200	-4.3	20.0
Benzyl chloride	Ave	0.5367	0.5720		0.0213	0.0200	6.6	20.0
1,3,5-Trichlorobenzene	Ave	1.297	1.193		0.0184	0.0200	-8.0	20.0
2-Methylnaphthalene	Ave	1.414	0.9264		0.0262	0.0400	-34.5*	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\UX996999.D
Lims ID: CCV A9
Client ID:
Sample Type: CCV
Inject. Date: 20-Jul-2021 10:45:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111393-004
Operator ID: 001765 Instrument ID: A3UX9
Sublist: chrom-8260_9*sub58

Method: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Jul-2021 12:01:46 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1648

First Level Reviewer: bosworthh Date: 20-Jul-2021 11:27:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.879	5.879	0.000	99	647840	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.577	8.577	0.000	87	526443	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.813	10.813	0.000	95	285110	20.0	20.0	
27 Acetonitrile	41	3.607	3.607	0.000	100	407925	200.0	183.0	
38 Isopropyl ether	87	4.447	4.447	0.000	90	223057	20.0	20.2	
39 2-Chloro-1,3-butadiene	53	4.471	4.471	0.000	95	379578	20.0	22.3	
40 Tert-butyl ethyl ether	59	4.755	4.755	0.000	96	744037	20.0	20.7	
45 Propionitrile	54	4.933	4.933	0.000	82	458725	200.0	189.7	
44 Ethyl acetate	43	4.933	4.933	0.000	100	601831	40.0	39.6	
46 Methacrylonitrile	41	5.075	5.075	0.000	91	1801310	200.0	201.3	
163 Isooctane	57	5.713	5.713	0.000	96	697514	20.0	21.7	
57 Tert-amyl methyl ether	73	5.725	5.725	0.000	98	791712	20.0	21.2	
59 n-Butanol	56	6.080	6.080	0.000	89	240244	500.0	472.8	
61 Ethyl acrylate	55	6.246	6.246	0.000	99	362554	20.0	20.3	
64 Methyl methacrylate	41	6.459	6.459	0.000	86	518507	40.0	41.6	
68 2-Nitropropane	41	6.802	6.802	0.000	99	210627	40.0	38.0	
81 n-Butyl acetate	43	7.974	7.974	0.000	98	454785	20.0	19.6	
84 1-Chlorohexane	91	8.553	8.553	0.000	94	403388	20.0	20.8	
93 Cyclohexanone	55	9.618	9.618	0.000	92	115016	200.0	165.3	
105 Pentachloroethane	167	10.447	10.447	0.000	90	330816	40.0	43.7	
111 1,2,3-Trimethylbenzene	105	10.884	10.884	0.000	98	994419	20.0	19.1	
112 Benzyl chloride	126	10.967	10.967	0.000	99	163086	20.0	21.3	
116 1,3,5-Trichlorobenzene	180	12.198	12.198	0.000	97	340261	20.0	18.4	
121 2-Methylnaphthalene	142	14.505	14.505	0.000	92	528278	40.0	26.2	
162 1-Methylnaphthalene	142	14.789	14.789	0.000	93	430961	40.0	25.6	

QC Flag Legend
Processing Flags

Reagents:

vmra9w_00399	Amount Added:	16.00	Units: uL
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL

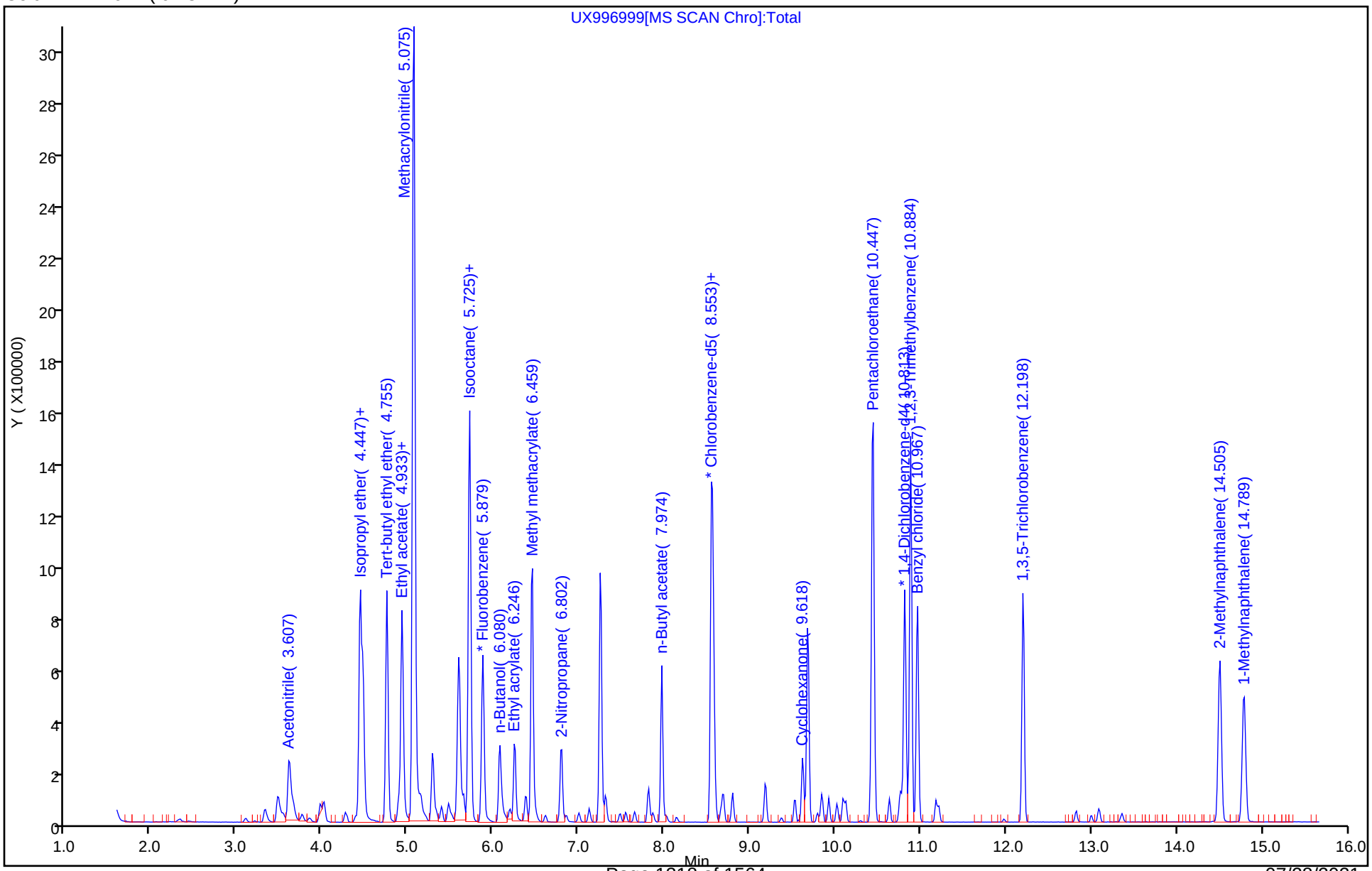
Report Date: 20-Jul-2021 12:01:47 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\UX996999.D

Injection Date:	20-Jul-2021 10:45:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	CCV A9			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-495975/3 Calibration Date: 07/21/2021 11:07

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 14:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 17:01

Lab File ID: UX997031.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	0.4109	0.7213	0.1000	0.0351	0.0200	75.5*	20.0
Chloromethane	Ave	0.3997	0.4534	0.1000	0.0227	0.0200	13.5	20.0
Vinyl chloride	Ave	0.4022	0.4716	0.1000	0.0235	0.0200	17.3	20.0
Butadiene	Ave	0.3672	0.4436		0.0242	0.0200	20.8*	20.0
Bromomethane	Ave	0.3214	0.3310	0.0500	0.0206	0.0200	3.0	20.0
Chloroethane	Ave	0.2943	0.3290	0.0500	0.0224	0.0200	11.8	20.0
Dichlorofluoromethane	Ave	0.6144	0.7784		0.0253	0.0200	26.7*	20.0
Trichlorofluoromethane	Ave	0.5841	0.8495	0.1000	0.0291	0.0200	45.4*	20.0
Ethyl ether	Ave	0.2790	0.2894		0.0207	0.0200	3.7	20.0
Acrolein	Ave	0.0160	0.0113		0.0709	0.100	-29.1*	20.0
1,1-Dichloroethene	Ave	0.4857	0.5301	0.1000	0.0218	0.0200	9.1	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.3622	0.3925	0.0500	0.0217	0.0200	8.4	20.0
Acetone	Ave	0.0513	0.0416	0.0100	0.0324	0.0400	-19.0	50.0
Iodomethane	Ave	0.3780	0.4196		0.0222	0.0200	11.0	20.0
Carbon disulfide	Ave	0.9625	0.9703	0.1000	0.0202	0.0200	0.8	20.0
3-Chloro-1-propene	Ave	0.5312	0.5045		0.0190	0.0200	-5.0	20.0
Methyl acetate	Ave	0.3416	0.3072	0.1000	0.0360	0.0400	-10.1	50.0
Methylene Chloride	Ave	0.4433	0.4558	0.1000	0.0206	0.0200	2.8	50.0
tert-Butyl alcohol	Ave	0.0626	0.0531		0.170	0.200	-15.2	20.0
Acrylonitrile	Ave	0.1798	0.1645		0.183	0.200	-8.5	20.0
Methyl tert-butyl ether	Ave	1.171	1.278	0.1000	0.0218	0.0200	9.1	20.0
trans-1,2-Dichloroethene	Ave	0.4550	0.5084	0.1000	0.0223	0.0200	11.7	20.0
Hexane	Ave	0.4759	0.5347		0.0225	0.0200	12.4	20.0
1,1-Dichloroethane	Ave	0.6275	0.6891	0.2000	0.0220	0.0200	9.8	20.0
Vinyl acetate	Ave	0.8216	0.7863		0.0191	0.0200	-4.3	20.0
2-Butanone	Ave	0.0664	0.0616	0.0100	0.0371	0.0400	-7.3	50.0
cis-1,2-Dichloroethene	Ave	0.3903	0.4399	0.1000	0.0225	0.0200	12.7	20.0
2,2-Dichloropropane	Ave	0.6269	0.7276		0.0232	0.0200	16.0	20.0
Bromochloromethane	Ave	0.2637	0.2987		0.0227	0.0200	13.3	20.0
Tetrahydrofuran	Ave	0.1536	0.1312		0.0342	0.0400	-14.6	20.0
Chloroform	Ave	0.6311	0.7322	0.2000	0.0232	0.0200	16.0	20.0
1,1,1-Trichloroethane	Ave	0.6119	0.7365	0.1000	0.0241	0.0200	20.4*	20.0
Cyclohexane	Ave	0.6054	0.6990	0.1000	0.0231	0.0200	15.5	20.0
1,1-Dichloropropene	Ave	0.4952	0.5855		0.0236	0.0200	18.2	20.0
Carbon tetrachloride	Ave	0.5296	0.6509	0.1000	0.0246	0.0200	22.9*	20.0
Isobutyl alcohol	Ave	0.0174	0.0142		0.406	0.500	-18.8	20.0
1,2-Dichloroethane	Ave	0.4809	0.5729	0.1000	0.0238	0.0200	19.1	20.0
Benzene	Ave	1.404	1.574	0.5000	0.0224	0.0200	12.1	20.0
n-Heptane	Ave	0.3315	0.3281		0.0198	0.0200	-1.0	20.0
Trichloroethene	Ave	0.3887	0.4661	0.1500	0.0240	0.0200	19.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-495975/3 Calibration Date: 07/21/2021 11:07

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 14:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 17:01

Lab File ID: UX997031.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	0.6367	0.7436	0.1000	0.0234	0.0200	16.8	20.0
1,2-Dichloropropane	Ave	0.3326	0.3709	0.1000	0.0223	0.0200	11.5	20.0
1,4-Dioxane	Ave	0.0061	0.0061		0.400	0.400	0.0	50.0
Dibromomethane	Ave	0.2323	0.2658		0.0229	0.0200	14.4	20.0
Bromodichloromethane	Ave	0.4861	0.5572	0.1500	0.0229	0.0200	14.6	20.0
2-Chloroethyl vinyl ether	Ave	0.2220	0.2403		0.0433	0.0400	8.2	20.0
cis-1,3-Dichloropropene	Ave	0.5098	0.6057	0.1500	0.0238	0.0200	18.8	50.0
4-Methyl-2-pentanone	Ave	0.4546	0.4388	0.0500	0.0386	0.0400	-3.5	50.0
Toluene	Ave	2.025	2.201	0.4000	0.0217	0.0200	8.7	20.0
trans-1,3-Dichloropropene	Ave	0.6121	0.6662	0.1000	0.0218	0.0200	8.8	20.0
Ethyl methacrylate	Ave	0.6846	0.6911		0.0202	0.0200	1.0	20.0
1,1,2-Trichloroethane	Ave	0.4377	0.4469	0.1000	0.0204	0.0200	2.1	20.0
1,3-Dichloropropane	Ave	0.7397	0.7756		0.0210	0.0200	4.9	20.0
Tetrachloroethene	Ave	0.5449	0.5781	0.1500	0.0212	0.0200	6.1	20.0
2-Hexanone	Ave	0.4314	0.3648	0.0500	0.0338	0.0400	-15.4	50.0
Dibromochloromethane	Ave	0.4855	0.4960		0.0204	0.0200	2.2	20.0
1,2-Dibromoethane	Ave	0.4318	0.4615		0.0214	0.0200	6.9	20.0
Chlorobenzene	Ave	1.319	1.426	0.3000	0.0216	0.0200	8.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5112	0.5518		0.0216	0.0200	7.9	20.0
Ethylbenzene	Ave	0.7770	0.8291		0.0213	0.0200	6.7	20.0
m-Xylene & p-Xylene	Ave	0.9652	1.039		0.0215	0.0200	7.7	20.0
o-Xylene	Ave	0.9374	0.9848		0.0210	0.0200	5.1	20.0
Styrene	Ave	1.384	1.617	0.3000	0.0234	0.0200	16.9	20.0
Bromoform	Ave	0.3646	0.3390	0.1000	0.0186	0.0200	-7.0	20.0
Isopropylbenzene	Ave	2.439	2.588	0.1000	0.0212	0.0200	6.1	20.0
1,1,2,2-Tetrachloroethane	Ave	1.175	1.140	0.3000	0.0194	0.0200	-3.0	20.0
1,2,3-Trichloropropane	Ave	0.4667	0.4463		0.0191	0.0200	-4.4	20.0
Bromobenzene	Ave	1.050	1.121		0.0214	0.0200	6.8	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3619	0.3635		0.0201	0.0200	0.4	20.0
n-Propylbenzene	Ave	1.241	1.352		0.0218	0.0200	8.9	20.0
2-Chlorotoluene	Ave	1.038	1.120		0.0216	0.0200	7.8	20.0
1,3,5-Trimethylbenzene	Ave	3.618	3.798		0.0210	0.0200	5.0	20.0
4-Chlorotoluene	Ave	1.072	1.138		0.0212	0.0200	6.2	20.0
tert-Butylbenzene	Ave	3.483	3.614		0.0208	0.0200	3.8	20.0
1,2,4-Trimethylbenzene	Ave	3.610	3.862		0.0214	0.0200	7.0	20.0
sec-Butylbenzene	Ave	0.996	1.060		0.0213	0.0200	6.5	20.0
1,3-Dichlorobenzene	Ave	2.031	2.127	0.6000	0.0209	0.0200	4.7	20.0
p-Isopropyltoluene	Ave	3.892	4.157		0.0214	0.0200	6.8	20.0
1,4-Dichlorobenzene	Ave	2.056	2.158	0.5000	0.0210	0.0200	5.0	20.0
n-Butylbenzene	Ave	3.146	3.332		0.0212	0.0200	5.9	20.0
1,2-Dichlorobenzene	Ave	1.937	1.991	0.4000	0.0206	0.0200	2.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-495975/3 Calibration Date: 07/21/2021 11:07

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 14:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 17:01

Lab File ID: UX997031.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	0.3348	0.2632	0.0500	0.0157	0.0200	-21.4	50.0
1,2,4-Trichlorobenzene	Ave	1.173	1.121	0.2000	0.0191	0.0200	-4.5	50.0
Hexachlorobutadiene	Ave	0.4531	0.4233		0.0187	0.0200	-6.6	50.0
Naphthalene	Ave	3.910	3.223		0.0165	0.0200	-17.6	50.0
1,2,3-Trichlorobenzene	Ave	1.097	1.004		0.0183	0.0200	-8.5	20.0
Dibromofluoromethane (Surr)	Ave	0.3322	0.3519		0.0173	0.0163	5.9	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3790	0.3816		0.0164	0.0163	0.7	20.0
Toluene-d8 (Surr)	Ave	1.732	1.765		0.0166	0.0163	1.9	20.0
4-Bromofluorobenzene (Surr)	Ave	0.6533	0.6961		0.0174	0.0163	6.6	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\UX997031.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 21-Jul-2021 11:07:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111430-003
Operator ID: 001765 Instrument ID: A3UX9
Sublist: chrom-8260_9*sub46

Method: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Jul-2021 11:43:34 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: bosworthh Date: 21-Jul-2021 11:42:18

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.879	5.879	0.000	99	747447	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.577	8.577	0.000	86	621124	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.813	10.813	0.000	93	339044	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.287	5.287	0.000	93	214764	16.3	17.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.583	5.583	0.000	100	232865	16.3	16.4	
$ 6 Toluene-d8 (Surr)	98	7.252	7.252	0.000	93	895273	16.3	16.6	
$ 7 4-Bromofluorobenzene (Surr)	95	9.677	9.677	0.000	90	353032	16.3	17.4	
9 Dichlorodifluoromethane	85	1.773	1.773	0.000	100	539137	20.0	35.1	
10 Chloromethane	50	1.962	1.962	0.000	99	338925	20.0	22.7	
11 Vinyl chloride	62	2.081	2.081	0.000	99	352519	20.0	23.5	
12 Butadiene	54	2.128	2.128	0.000	93	331566	20.0	24.2	
13 Bromomethane	94	2.436	2.436	0.000	92	247374	20.0	20.6	
15 Chloroethane	64	2.542	2.542	0.000	99	245895	20.0	22.4	
16 Dichlorofluoromethane	67	2.755	2.755	0.000	99	581778	20.0	25.3	
17 Trichlorofluoromethane	101	2.814	2.814	0.000	99	634920	20.0	29.1	
18 Ethyl ether	59	3.098	3.098	0.000	88	216328	20.0	20.7	
21 Acrolein	56	3.217	3.217	0.000	96	42376	100.0	70.9	
24 1,1-Dichloroethene	61	3.323	3.323	0.000	98	396252	20.0	21.8	
22 112TCTFE	101	3.335	3.335	0.000	94	293356	20.0	21.7	
23 Acetone	58	3.359	3.359	0.000	99	62173	40.0	32.4	
25 Iodomethane	142	3.477	3.477	0.000	99	313665	20.0	22.2	
26 Carbon disulfide	76	3.536	3.536	0.000	100	725219	20.0	20.2	
28 3-Chloro-1-propene	41	3.654	3.654	0.000	86	377055	20.0	19.0	
29 Methyl acetate	43	3.666	3.666	0.000	96	459271	40.0	36.0	
30 Methylene Chloride	49	3.761	3.761	0.000	90	340659	20.0	20.6	
31 2-Methyl-2-propanol	59	3.844	3.844	0.000	99	396575	200.0	169.6	
32 Acrylonitrile	53	3.974	3.974	0.000	98	1229834	200.0	183.1	
34 trans-1,2-Dichloroethene	61	4.021	4.021	0.000	91	380017	20.0	22.3	
33 Methyl tert-butyl ether	73	4.021	4.021	0.000	95	955393	20.0	21.8	
35 Hexane	57	4.270	4.270	0.000	91	399664	20.0	22.5	
36 1,1-Dichloroethane	63	4.388	4.388	0.000	98	515071	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
37 Vinyl acetate	43	4.424	4.424	0.000	97	587688	20.0	19.1	
41 2-Butanone (MEK)	72	4.885	4.885	0.000	99	92071	40.0	37.1	
43 cis-1,2-Dichloroethene	96	4.885	4.885	0.000	83	328782	20.0	22.5	
42 2,2-Dichloropropane	77	4.897	4.897	0.000	90	543808	20.0	23.2	
47 Chlorobromomethane	49	5.086	5.086	0.000	88	223254	20.0	22.7	
48 Tetrahydrofuran	42	5.145	5.145	0.000	81	196102	40.0	34.2	
49 Chloroform	83	5.157	5.157	0.000	97	547279	20.0	23.2	
50 1,1,1-Trichloroethane	97	5.335	5.335	0.000	97	550484	20.0	24.1	
51 Cyclohexane	84	5.394	5.394	0.000	87	522455	20.0	23.1	
52 1,1-Dichloropropene	75	5.477	5.477	0.000	95	437616	20.0	23.6	
53 Carbon tetrachloride	117	5.477	5.477	0.000	97	486508	20.0	24.6	
54 Isobutyl alcohol	41	5.512	5.512	0.000	91	264737	500.0	406.1	
56 1,2-Dichloroethane	62	5.654	5.654	0.000	61	428217	20.0	23.8	
55 Benzene	78	5.654	5.654	0.000	96	1176305	20.0	22.4	
58 n-Heptane	71	5.867	5.867	0.000	84	245230	20.0	19.8	
60 Trichloroethene	130	6.198	6.198	0.000	95	348408	20.0	24.0	
62 Methylcyclohexane	83	6.376	6.376	0.000	88	555809	20.0	23.4	
63 1,2-Dichloropropane	63	6.388	6.388	0.000	91	277252	20.0	22.3	
66 Dibromomethane	174	6.494	6.494	0.000	94	198664	20.0	22.9	
65 1,4-Dioxane	88	6.494	6.494	0.000	87	90737	400.0	400.0	
67 Dichlorobromomethane	83	6.613	6.613	0.000	99	416480	20.0	22.9	
69 2-Chloroethyl vinyl ether	63	6.849	6.849	0.000	95	359234	40.0	43.3	
71 cis-1,3-Dichloropropene	75	7.003	7.003	0.000	94	452758	20.0	23.8	
72 4-Methyl-2-pentanone (MIBK)	43	7.121	7.121	0.000	95	655983	40.0	38.6	
73 Toluene	91	7.311	7.311	0.000	98	1366991	20.0	21.7	
74 trans-1,3-Dichloropropene	75	7.488	7.488	0.000	95	413798	20.0	21.8	
75 Ethyl methacrylate	69	7.547	7.547	0.000	87	429240	20.0	20.2	
76 1,1,2-Trichloroethane	97	7.654	7.654	0.000	94	277562	20.0	20.4	
77 1,3-Dichloropropane	76	7.808	7.808	0.000	91	481738	20.0	21.0	
78 Tetrachloroethene	166	7.820	7.820	0.000	96	359048	20.0	21.2	
80 2-Hexanone	43	7.867	7.867	0.000	95	453208	40.0	33.8	
82 Chlorodibromomethane	129	8.021	8.021	0.000	89	308095	20.0	20.4	
83 Ethylene Dibromide	107	8.151	8.151	0.000	97	286618	20.0	21.4	
85 Chlorobenzene	112	8.601	8.601	0.000	95	885429	20.0	21.6	
86 1,1,1,2-Tetrachloroethane	131	8.672	8.672	0.000	94	342738	20.0	21.6	
87 Ethylbenzene	106	8.695	8.695	0.000	98	514960	20.0	21.3	
88 m-Xylene & p-Xylene	106	8.802	8.802	0.000	99	645433	20.0	21.5	
89 o-Xylene	106	9.180	9.180	0.000	97	611689	20.0	21.0	
90 Styrene	104	9.192	9.192	0.000	93	1004651	20.0	23.4	
91 Bromoform	173	9.370	9.370	0.000	94	210550	20.0	18.6	
92 Isopropylbenzene	105	9.535	9.535	0.000	96	1607748	20.0	21.2	
94 1,1,2,2-Tetrachloroethane	83	9.796	9.796	0.000	97	386365	20.0	19.4	
95 Bromobenzene	156	9.843	9.843	0.000	96	380175	20.0	21.4	
97 1,2,3-Trichloropropane	110	9.843	9.843	0.000	84	151319	20.0	19.1	
96 trans-1,4-Dichloro-2-butene	53	9.855	9.855	0.000	72	123235	20.0	20.1	
98 N-Propylbenzene	120	9.926	9.926	0.000	98	458318	20.0	21.8	
100 2-Chlorotoluene	126	10.020	10.020	0.000	96	379623	20.0	21.6	
101 1,3,5-Trimethylbenzene	105	10.091	10.091	0.000	94	1287664	20.0	21.0	
102 4-Chlorotoluene	126	10.127	10.127	0.000	97	385905	20.0	21.2	
104 tert-Butylbenzene	119	10.423	10.423	0.000	91	1225454	20.0	20.8	
106 1,2,4-Trimethylbenzene	105	10.470	10.470	0.000	97	1309238	20.0	21.4	
107 sec-Butylbenzene	134	10.636	10.636	0.000	94	359494	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
108 1,3-Dichlorobenzene	146	10.754	10.754	0.000	98	721240	20.0	20.9	
109 4-Isopropyltoluene	119	10.778	10.778	0.000	97	1409550	20.0	21.4	
110 1,4-Dichlorobenzene	146	10.837	10.837	0.000	94	731818	20.0	21.0	
113 n-Butylbenzene	91	11.180	11.180	0.000	97	1129721	20.0	21.2	
114 1,2-Dichlorobenzene	146	11.216	11.216	0.000	99	674939	20.0	20.6	
115 1,2-Dibromo-3-Chloropropane	157	11.985	11.985	0.000	85	89253	20.0	15.7	
117 1,2,4-Trichlorobenzene	180	12.825	12.825	0.000	95	380064	20.0	19.1	
118 Hexachlorobutadiene	225	13.002	13.002	0.000	97	143508	20.0	18.7	
119 Naphthalene	128	13.085	13.085	0.000	97	1092901	20.0	16.5	
120 1,2,3-Trichlorobenzene	180	13.357	13.357	0.000	95	340490	20.0	18.3	
S 158 Total BTEX	1				0		100.0	108.0	
S 130 Trihalomethanes, Total	83				0		80.0	85.2	
S 131 Xylenes, Total	106				0		40.0	42.5	

QC Flag Legend

Processing Flags

Reagents:

vmrgas_00393	Amount Added:	16.00	Units: uL	
vmrprimw_00444	Amount Added:	16.00	Units: uL	
vmarolistdw_00401	Amount Added:	16.00	Units: uL	
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm40mL_vials_00016	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	1.63	Units: uL	Run Reagent

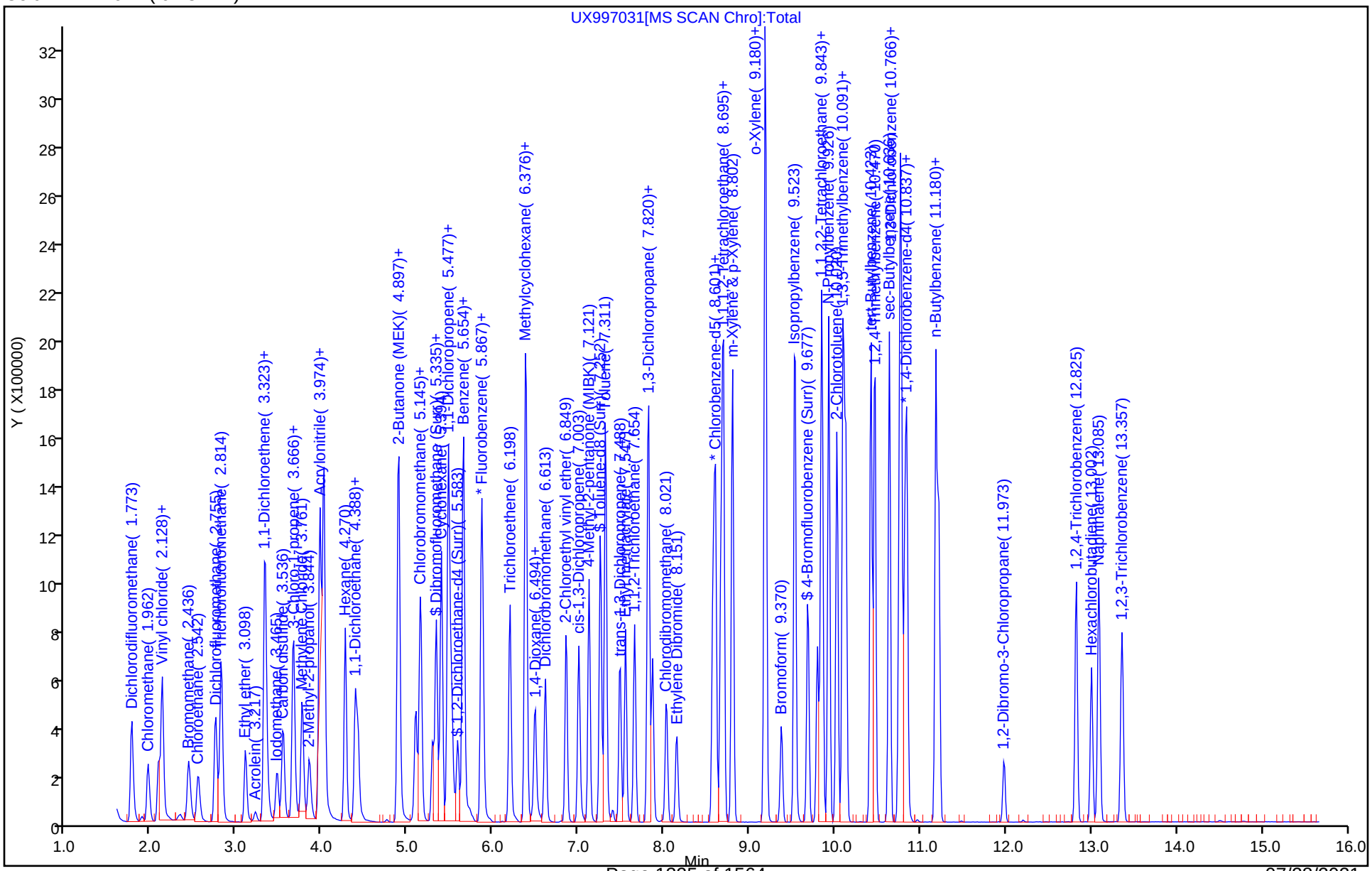
Report Date: 21-Jul-2021 11:43:36 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\UX997031.D

Injection Date:	21-Jul-2021 11:07:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCV 240-495975/4 Calibration Date: 07/21/2021 11:30

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 18:33

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 20:29

Lab File ID: UX997032.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	0.0688	0.0602		0.175	0.200	-12.5	20.0
Diisopropyl ether	Ave	0.3409	0.3650		0.0214	0.0200	7.1	20.0
2-Chloro-1,3-butadiene	Ave	0.5261	0.6008		0.0228	0.0200	14.2	20.0
Ethyl-t-butyl ether (ETBE)	Ave	1.110	1.161		0.0209	0.0200	4.6	20.0
Ethyl acetate	Ave	0.4689	0.4434		0.0378	0.0400	-5.5	20.0
Propionitrile	Ave	0.0746	0.0694		0.186	0.200	-7.0	20.0
Methacrylonitrile	Ave	0.2763	0.2619		0.190	0.200	-5.2	20.0
Tert-amyl-methyl ether (TAME)	Ave	1.152	1.240		0.0215	0.0200	7.7	20.0
n-Butanol	Ave	0.0157	0.0146		0.466	0.500	-6.8	20.0
Ethyl acrylate	Ave	0.5503	0.5370		0.0195	0.0200	-2.4	20.0
Methyl methacrylate	Ave	0.3850	0.3826		0.0398	0.0400	-0.6	20.0
2-Nitropropane	Ave	0.1710	0.1508		0.0353	0.0400	-11.8	20.0
n-Butyl acetate	Ave	0.8825	0.7879		0.0179	0.0200	-10.7	20.0
1-Chlorohexane	Ave	0.7364	0.7687		0.0209	0.0200	4.4	20.0
Cyclohexanone	Ave	0.0488	0.0411		0.169	0.200	-15.7	20.0
Pentachloroethane	Ave	0.5308	0.6308		0.0475	0.0400	18.8	20.0
1,2,3-Trimethylbenzene	Ave	3.646	3.766		0.0207	0.0200	3.3	20.0
Benzyl chloride	Ave	0.5367	0.5909		0.0220	0.0200	10.1	20.0
1,3,5-Trichlorobenzene	Ave	1.297	1.325		0.0204	0.0200	2.1	20.0
2-Methylnaphthalene	Ave	1.414	1.011		0.0286	0.0400	-28.5*	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\UX997032.D
Lims ID: CCV A9
Client ID:
Sample Type: CCV
Inject. Date: 21-Jul-2021 11:30:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111430-004
Operator ID: 001765 Instrument ID: A3UX9
Sublist: chrom-8260_9*sub58

Method: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Jul-2021 12:27:08 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: bosworthh Date: 21-Jul-2021 12:27:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.880	5.880	0.000	99	726348	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.578	8.578	0.000	88	606179	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.815	10.815	0.000	98	310400	20.0	20.0	
27 Acetonitrile	41	3.620	3.620	0.000	99	437168	200.0	174.9	
38 Isopropyl ether	87	4.449	4.449	0.000	90	265125	20.0	21.4	
39 2-Chloro-1,3-butadiene	53	4.472	4.472	0.000	94	436400	20.0	22.8	
40 Tert-butyl ethyl ether	59	4.756	4.756	0.000	95	843457	20.0	20.9	
45 Propionitrile	54	4.934	4.934	0.000	84	504308	200.0	186.0	
44 Ethyl acetate	43	4.934	4.934	0.000	99	644062	40.0	37.8	
46 Methacrylonitrile	41	5.076	5.076	0.000	89	1902453	200.0	189.6	
163 Isooctane	57	5.715	5.715	0.000	96	790580	20.0	21.9	
57 Tert-amyl methyl ether	73	5.726	5.726	0.000	98	900526	20.0	21.5	
59 n-Butanol	56	6.081	6.081	0.000	88	265482	500.0	466.0	
61 Ethyl acrylate	55	6.247	6.247	0.000	99	390060	20.0	19.5	
64 Methyl methacrylate	41	6.460	6.460	0.000	85	555829	40.0	39.8	
68 2-Nitropropane	41	6.791	6.791	0.000	100	219117	40.0	35.3	
81 n-Butyl acetate	43	7.975	7.975	0.000	98	477591	20.0	17.9	
84 1-Chlorohexane	91	8.555	8.555	0.000	97	465975	20.0	20.9	
93 Cyclohexanone	55	9.619	9.619	0.000	92	127723	200.0	168.7	
105 Pentachloroethane	167	10.448	10.448	0.000	90	391570	40.0	47.5	
111 1,2,3-Trimethylbenzene	105	10.886	10.886	0.000	98	1169037	20.0	20.7	
112 Benzyl chloride	126	10.968	10.968	0.000	99	183418	20.0	22.0	
116 1,3,5-Trichlorobenzene	180	12.199	12.199	0.000	97	411258	20.0	20.4	
121 2-Methylnaphthalene	142	14.506	14.506	0.000	93	627674	40.0	28.6	
162 1-Methylnaphthalene	142	14.790	14.790	0.000	93	506826	40.0	27.7	

QC Flag Legend
Processing Flags

Reagents:

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vm50is_stk_A_00009	Amount Added:	2.00	Units: uL

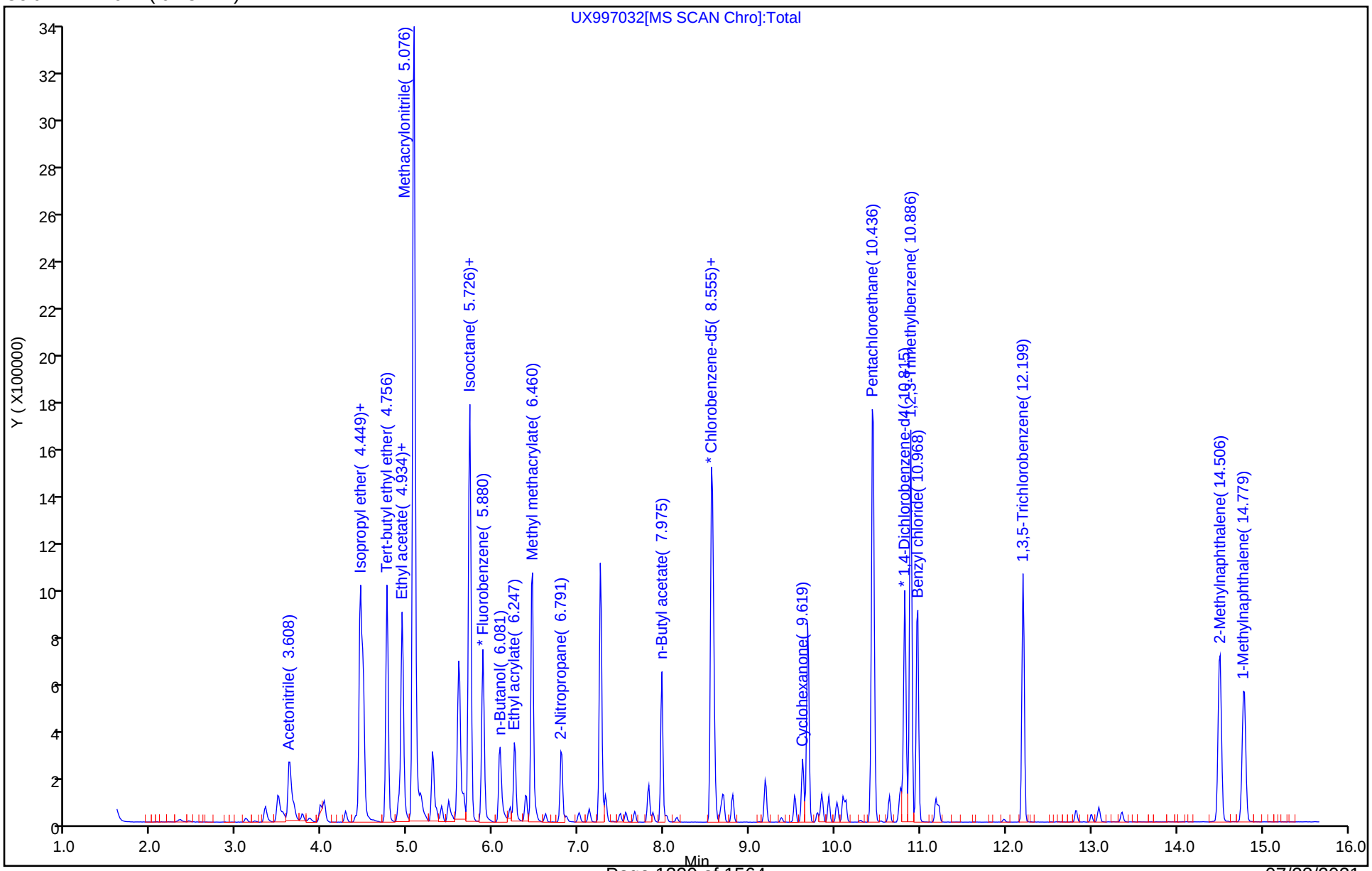
Report Date: 21-Jul-2021 12:27:09 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\UX997032.D

Injection Date:	21-Jul-2021 11:30:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	CCV A9			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-496159/3 Calibration Date: 07/22/2021 11:07

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 14:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 17:01

Lab File ID: UX997063.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	0.4109	0.6533	0.1000	0.0318	0.0200	59.0*	20.0
Chloromethane	Ave	0.3997	0.4039	0.1000	0.0202	0.0200	1.1	20.0
Vinyl chloride	Ave	0.4022	0.4243	0.1000	0.0211	0.0200	5.5	20.0
Butadiene	Ave	0.3672	0.3962		0.0216	0.0200	7.9	20.0
Bromomethane	Ave	0.3214	0.2915	0.0500	0.0181	0.0200	-9.3	20.0
Chloroethane	Ave	0.2943	0.2941	0.0500	0.0200	0.0200	-0.0	20.0
Dichlorofluoromethane	Ave	0.6144	0.7166		0.0233	0.0200	16.6	20.0
Trichlorofluoromethane	Ave	0.5841	0.7809	0.1000	0.0267	0.0200	33.7*	20.0
Ethyl ether	Ave	0.2790	0.2551		0.0183	0.0200	-8.6	20.0
Acrolein	Ave	0.0160	0.0097		0.0608	0.100	-39.2*	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.3622	0.3708	0.0500	0.0205	0.0200	2.4	20.0
1,1-Dichloroethene	Ave	0.4857	0.4981	0.1000	0.0205	0.0200	2.6	20.0
Acetone	Ave	0.0513	0.0334	0.0100	0.0260	0.0400	-34.9	50.0
Iodomethane	Ave	0.3780	0.4368		0.0231	0.0200	15.6	20.0
Carbon disulfide	Ave	0.9625	0.8841	0.1000	0.0184	0.0200	-8.1	20.0
3-Chloro-1-propene	Ave	0.5312	0.4514		0.0170	0.0200	-15.0	20.0
Methyl acetate	Ave	0.3416	0.2453	0.1000	0.0287	0.0400	-28.2	50.0
Methylene Chloride	Ave	0.4433	0.3993	0.1000	0.0180	0.0200	-9.9	50.0
tert-Butyl alcohol	Ave	0.0626	0.0389		0.124	0.200	-37.9*	20.0
Acrylonitrile	Ave	0.1798	0.1342		0.149	0.200	-25.3*	20.0
Methyl tert-butyl ether	Ave	1.171	1.129	0.1000	0.0193	0.0200	-3.6	20.0
trans-1,2-Dichloroethene	Ave	0.4550	0.4680	0.1000	0.0206	0.0200	2.8	20.0
Hexane	Ave	0.4759	0.5017		0.0211	0.0200	5.4	20.0
1,1-Dichloroethane	Ave	0.6275	0.6245	0.2000	0.0199	0.0200	-0.5	20.0
Vinyl acetate	Ave	0.8216	0.6425		0.0156	0.0200	-21.8*	20.0
2-Butanone	Ave	0.0664	0.0480	0.0100	0.0289	0.0400	-27.8	50.0
cis-1,2-Dichloroethene	Ave	0.3903	0.4105	0.1000	0.0210	0.0200	5.2	20.0
2,2-Dichloropropane	Ave	0.6269	0.6733		0.0215	0.0200	7.4	20.0
Bromochloromethane	Ave	0.2637	0.2712		0.0206	0.0200	2.8	20.0
Tetrahydrofuran	Ave	0.1536	0.1018		0.0265	0.0400	-33.7*	20.0
Chloroform	Ave	0.6311	0.6683	0.2000	0.0212	0.0200	5.9	20.0
1,1,1-Trichloroethane	Ave	0.6119	0.6883	0.1000	0.0225	0.0200	12.5	20.0
Cyclohexane	Ave	0.6054	0.6614	0.1000	0.0219	0.0200	9.3	20.0
1,1-Dichloropropene	Ave	0.4952	0.5388		0.0218	0.0200	8.8	20.0
Carbon tetrachloride	Ave	0.5296	0.6063	0.1000	0.0229	0.0200	14.5	20.0
Isobutyl alcohol	Ave	0.0174	0.0104		0.299	0.500	-40.1*	20.0
1,2-Dichloroethane	Ave	0.4809	0.5094	0.1000	0.0212	0.0200	5.9	20.0
Benzene	Ave	1.404	1.466	0.5000	0.0209	0.0200	4.5	20.0
n-Heptane	Ave	0.3315	0.3068		0.0185	0.0200	-7.4	20.0
Trichloroethene	Ave	0.3887	0.4390	0.1500	0.0226	0.0200	12.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-496159/3 Calibration Date: 07/22/2021 11:07

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 14:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 17:01

Lab File ID: UX997063.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	0.6367	0.6938	0.1000	0.0218	0.0200	9.0	20.0
1,2-Dichloropropane	Ave	0.3326	0.3359	0.1000	0.0202	0.0200	1.0	20.0
1,4-Dioxane	Ave	0.0061	0.0047		0.311	0.400	-22.3	50.0
Dibromomethane	Ave	0.2323	0.2446		0.0211	0.0200	5.3	20.0
Bromodichloromethane	Ave	0.4861	0.4968	0.1500	0.0204	0.0200	2.2	20.0
2-Chloroethyl vinyl ether	Ave	0.2220	0.2040		0.0368	0.0400	-8.1	20.0
cis-1,3-Dichloropropene	Ave	0.5098	0.5401	0.1500	0.0212	0.0200	5.9	50.0
4-Methyl-2-pentanone	Ave	0.4546	0.3355	0.0500	0.0295	0.0400	-26.2	50.0
Toluene	Ave	2.025	2.065	0.4000	0.0204	0.0200	2.0	20.0
trans-1,3-Dichloropropene	Ave	0.6121	0.6074	0.1000	0.0198	0.0200	-0.8	20.0
Ethyl methacrylate	Ave	0.6846	0.5877		0.0172	0.0200	-14.1	20.0
1,1,2-Trichloroethane	Ave	0.4377	0.4090	0.1000	0.0187	0.0200	-6.6	20.0
1,3-Dichloropropane	Ave	0.7397	0.7044		0.0190	0.0200	-4.8	20.0
Tetrachloroethene	Ave	0.5449	0.5602	0.1500	0.0206	0.0200	2.8	20.0
2-Hexanone	Ave	0.4314	0.2768	0.0500	0.0257	0.0400	-35.8	50.0
Dibromochloromethane	Ave	0.4855	0.4576		0.0188	0.0200	-5.8	20.0
1,2-Dibromoethane	Ave	0.4318	0.4123		0.0191	0.0200	-4.5	20.0
Chlorobenzene	Ave	1.319	1.329	0.3000	0.0201	0.0200	0.7	20.0
1,1,1,2-Tetrachloroethane	Ave	0.5112	0.5063		0.0198	0.0200	-1.0	20.0
Ethylbenzene	Ave	0.7770	0.7741		0.0199	0.0200	-0.4	20.0
m-Xylene & p-Xylene	Ave	0.9652	0.9645		0.0200	0.0200	-0.0	20.0
o-Xylene	Ave	0.9374	0.9201		0.0196	0.0200	-1.9	20.0
Styrene	Ave	1.384	1.488	0.3000	0.0215	0.0200	7.5	20.0
Bromoform	Ave	0.3646	0.2996	0.1000	0.0164	0.0200	-17.8	20.0
Isopropylbenzene	Ave	2.439	2.451	0.1000	0.0201	0.0200	0.5	20.0
1,1,2,2-Tetrachloroethane	Ave	1.175	0.9620	0.3000	0.0164	0.0200	-18.1	20.0
Bromobenzene	Ave	1.050	1.038		0.0198	0.0200	-1.1	20.0
1,2,3-Trichloropropane	Ave	0.4667	0.3846		0.0165	0.0200	-17.6	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3619	0.2940		0.0162	0.0200	-18.8	20.0
n-Propylbenzene	Ave	1.241	1.261		0.0203	0.0200	1.6	20.0
2-Chlorotoluene	Ave	1.038	1.047		0.0202	0.0200	0.9	20.0
1,3,5-Trimethylbenzene	Ave	3.618	3.522		0.0195	0.0200	-2.7	20.0
4-Chlorotoluene	Ave	1.072	1.061		0.0198	0.0200	-1.0	20.0
tert-Butylbenzene	Ave	3.483	3.610		0.0207	0.0200	3.6	20.0
1,2,4-Trimethylbenzene	Ave	3.610	3.540		0.0196	0.0200	-1.9	20.0
sec-Butylbenzene	Ave	0.996	1.001		0.0201	0.0200	0.5	20.0
1,3-Dichlorobenzene	Ave	2.031	1.971	0.6000	0.0194	0.0200	-3.0	20.0
p-Isopropyltoluene	Ave	3.892	3.825		0.0197	0.0200	-1.7	20.0
1,4-Dichlorobenzene	Ave	2.056	2.012	0.5000	0.0196	0.0200	-2.1	20.0
n-Butylbenzene	Ave	3.146	3.112		0.0198	0.0200	-1.1	20.0
1,2-Dichlorobenzene	Ave	1.937	1.865	0.4000	0.0192	0.0200	-3.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-496159/3 Calibration Date: 07/22/2021 11:07

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 14:43

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 17:01

Lab File ID: UX997063.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	0.3348	0.2082	0.0500	0.0124	0.0200	-37.8	50.0
1,2,4-Trichlorobenzene	Ave	1.173	1.020	0.2000	0.0174	0.0200	-13.1	50.0
Hexachlorobutadiene	Ave	0.4531	0.3868		0.0171	0.0200	-14.6	50.0
Naphthalene	Ave	3.910	2.618		0.0134	0.0200	-33.0	50.0
1,2,3-Trichlorobenzene	Ave	1.097	0.8857		0.0161	0.0200	-19.3	20.0
Dibromofluoromethane (Surr)	Ave	0.3322	0.3240		0.0159	0.0163	-2.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3790	0.3310		0.0143	0.0163	-12.6	20.0
Toluene-d8 (Surr)	Ave	1.732	1.690		0.0159	0.0163	-2.4	20.0
4-Bromofluorobenzene (Surr)	Ave	0.6533	0.6514		0.0163	0.0163	-0.3	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997063.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Jul-2021 11:07:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111471-003
Operator ID: 001765 Instrument ID: A3UX9
Sublist: chrom-8260_9*sub46

Method: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Jul-2021 12:03:01 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: bosworthh Date: 22-Jul-2021 12:03:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.878	5.878	0.000	99	820020	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.576	8.576	0.000	85	675893	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.812	10.812	0.000	93	364996	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.287	5.287	0.000	93	216966	16.3	15.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.582	5.582	0.000	100	221653	16.3	14.3	
$ 6 Toluene-d8 (Surr)	98	7.251	7.251	0.000	93	932635	16.3	15.9	
$ 7 4-Bromofluorobenzene (Surr)	95	9.677	9.677	0.000	90	359466	16.3	16.3	
9 Dichlorodifluoromethane	85	1.760	1.760	0.000	99	535735	20.0	31.8	
10 Chloromethane	50	1.962	1.962	0.000	99	331246	20.0	20.2	
11 Vinyl chloride	62	2.080	2.080	0.000	100	347973	20.0	21.1	
12 Butadiene	54	2.127	2.127	0.000	90	324897	20.0	21.6	
13 Bromomethane	94	2.435	2.435	0.000	92	239075	20.0	18.1	
15 Chloroethane	64	2.541	2.541	0.000	99	241194	20.0	20.0	
16 Dichlorofluoromethane	67	2.743	2.743	0.000	99	587652	20.0	23.3	
17 Trichlorofluoromethane	101	2.814	2.814	0.000	99	640332	20.0	26.7	
18 Ethyl ether	59	3.097	3.097	0.000	86	209206	20.0	18.3	
21 Acrolein	56	3.216	3.216	0.000	98	39821	100.0	60.8	
24 1,1-Dichloroethene	61	3.322	3.322	0.000	98	408457	20.0	20.5	
22 112TCTFE	101	3.322	3.322	0.000	94	304094	20.0	20.5	
23 Acetone	58	3.358	3.358	0.000	99	54798	40.0	26.0	
25 Iodomethane	142	3.464	3.464	0.000	100	358145	20.0	23.1	
26 Carbon disulfide	76	3.535	3.535	0.000	100	724939	20.0	18.4	
28 3-Chloro-1-propene	41	3.654	3.654	0.000	85	370185	20.0	17.0	
29 Methyl acetate	43	3.665	3.665	0.000	96	402272	40.0	28.7	
30 Methylene Chloride	49	3.760	3.760	0.000	87	327403	20.0	18.0	
31 2-Methyl-2-propanol	59	3.843	3.843	0.000	99	318650	200.0	124.2	
32 Acrylonitrile	53	3.973	3.973	0.000	98	1100484	200.0	149.3	
33 Methyl tert-butyl ether	73	4.009	4.009	0.000	95	926011	20.0	19.3	
34 trans-1,2-Dichloroethene	61	4.020	4.020	0.000	91	383761	20.0	20.6	
35 Hexane	57	4.269	4.269	0.000	91	411435	20.0	21.1	
36 1,1-Dichloroethane	63	4.387	4.387	0.000	97	512067	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
37 Vinyl acetate	43	4.423	4.423	0.000	97	526886	20.0	15.6	
43 cis-1,2-Dichloroethene	96	4.884	4.884	0.000	84	336644	20.0	21.0	
41 2-Butanone (MEK)	72	4.884	4.884	0.000	98	78640	40.0	28.9	
42 2,2-Dichloropropane	77	4.896	4.896	0.000	90	552157	20.0	21.5	
47 Chlorobromomethane	49	5.085	5.085	0.000	84	222363	20.0	20.6	
48 Tetrahydrofuran	42	5.145	5.145	0.000	82	167000	40.0	26.5	
49 Chloroform	83	5.156	5.156	0.000	96	548004	20.0	21.2	
50 1,1,1-Trichloroethane	97	5.334	5.334	0.000	97	564388	20.0	22.5	
51 Cyclohexane	84	5.393	5.393	0.000	87	542395	20.0	21.9	
52 1,1-Dichloropropene	75	5.476	5.476	0.000	95	441843	20.0	21.8	
53 Carbon tetrachloride	117	5.476	5.476	0.000	98	497208	20.0	22.9	
54 Isobutyl alcohol	41	5.511	5.511	0.000	91	214147	500.0	299.4	
56 1,2-Dichloroethane	62	5.653	5.653	0.000	60	417684	20.0	21.2	
55 Benzene	78	5.653	5.653	0.000	96	1202225	20.0	20.9	
58 n-Heptane	71	5.855	5.855	0.000	86	251602	20.0	18.5	
60 Trichloroethene	130	6.198	6.198	0.000	95	359981	20.0	22.6	
62 Methylcyclohexane	83	6.375	6.375	0.000	88	568920	20.0	21.8	
63 1,2-Dichloropropane	63	6.387	6.387	0.000	87	275437	20.0	20.2	
66 Dibromomethane	174	6.494	6.494	0.000	93	200575	20.0	21.1	
65 1,4-Dioxane	88	6.494	6.494	0.000	89	77374	400.0	310.9	
67 Dichlorobromomethane	83	6.612	6.612	0.000	99	407348	20.0	20.4	
69 2-Chloroethyl vinyl ether	63	6.848	6.848	0.000	95	334583	40.0	36.8	
71 cis-1,3-Dichloropropene	75	7.002	7.002	0.000	94	442889	20.0	21.2	
72 4-Methyl-2-pentanone (MIBK)	43	7.121	7.121	0.000	95	550301	40.0	29.5	
73 Toluene	91	7.310	7.310	0.000	98	1395614	20.0	20.4	
74 trans-1,3-Dichloropropene	75	7.487	7.487	0.000	94	410528	20.0	19.8	
75 Ethyl methacrylate	69	7.547	7.547	0.000	87	397236	20.0	17.2	
76 1,1,2-Trichloroethane	97	7.653	7.653	0.000	94	276453	20.0	18.7	
77 1,3-Dichloropropane	76	7.807	7.807	0.000	90	476100	20.0	19.0	
78 Tetrachloroethene	166	7.819	7.819	0.000	93	378626	20.0	20.6	
80 2-Hexanone	43	7.866	7.866	0.000	94	374215	40.0	25.7	
82 Chlorodibromomethane	129	8.032	8.032	0.000	90	309256	20.0	18.8	
83 Ethylene Dibromide	107	8.150	8.150	0.000	98	278642	20.0	19.1	
85 Chlorobenzene	112	8.600	8.600	0.000	96	898188	20.0	20.1	
86 1,1,1,2-Tetrachloroethane	131	8.671	8.671	0.000	93	342207	20.0	19.8	
87 Ethylbenzene	106	8.694	8.694	0.000	98	523177	20.0	19.9	
88 m-Xylene & p-Xylene	106	8.801	8.801	0.000	99	651903	20.0	20.0	
89 o-Xylene	106	9.180	9.180	0.000	94	621866	20.0	19.6	
90 Styrene	104	9.191	9.191	0.000	93	1005583	20.0	21.5	
91 Bromoform	173	9.369	9.369	0.000	95	202526	20.0	16.4	
92 Isopropylbenzene	105	9.535	9.535	0.000	95	1656597	20.0	20.1	
94 1,1,2,2-Tetrachloroethane	83	9.795	9.795	0.000	97	351116	20.0	16.4	
95 Bromobenzene	156	9.842	9.842	0.000	96	378825	20.0	19.8	
97 1,2,3-Trichloropropane	110	9.854	9.854	0.000	83	140381	20.0	16.5	
96 trans-1,4-Dichloro-2-butene	53	9.854	9.854	0.000	72	107292	20.0	16.2	
98 N-Propylbenzene	120	9.925	9.925	0.000	99	460318	20.0	20.3	
100 2-Chlorotoluene	126	10.020	10.020	0.000	96	382319	20.0	20.2	
101 1,3,5-Trimethylbenzene	105	10.091	10.091	0.000	94	1285354	20.0	19.5	
102 4-Chlorotoluene	126	10.126	10.126	0.000	97	387134	20.0	19.8	
104 tert-Butylbenzene	119	10.422	10.422	0.000	91	1317539	20.0	20.7	
106 1,2,4-Trimethylbenzene	105	10.469	10.469	0.000	97	1292092	20.0	19.6	
107 sec-Butylbenzene	134	10.635	10.635	0.000	94	365275	20.0	20.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 1,3-Dichlorobenzene	146	10.753	10.753	0.000	98	719406	20.0	19.4	
109 4-Isopropyltoluene	119	10.777	10.777	0.000	97	1396006	20.0	19.7	
110 1,4-Dichlorobenzene	146	10.836	10.836	0.000	95	734232	20.0	19.6	
113 n-Butylbenzene	91	11.179	11.179	0.000	97	1136040	20.0	19.8	
114 1,2-Dichlorobenzene	146	11.215	11.215	0.000	98	680566	20.0	19.2	
115 1,2-Dibromo-3-Chloropropane	157	11.984	11.984	0.000	93	75975	20.0	12.4	
117 1,2,4-Trichlorobenzene	180	12.824	12.824	0.000	94	372279	20.0	17.4	
118 Hexachlorobutadiene	225	13.002	13.002	0.000	97	141191	20.0	17.1	
119 Naphthalene	128	13.084	13.084	0.000	97	955635	20.0	13.4	
120 1,2,3-Trichlorobenzene	180	13.357	13.357	0.000	96	323264	20.0	16.1	
S 158 Total BTEX	1				0		100.0	100.8	
S 130 Trihalomethanes, Total	83				0		80.0	76.9	
S 131 Xylenes, Total	106				0		40.0	39.6	

QC Flag Legend

Processing Flags

Reagents:

vmrgas_00393	Amount Added:	16.00	Units: uL	
vmrprimw_00444	Amount Added:	16.00	Units: uL	
vmarolistdw_00401	Amount Added:	16.00	Units: uL	
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm40mL_vials_00016	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	1.63	Units: uL	Run Reagent

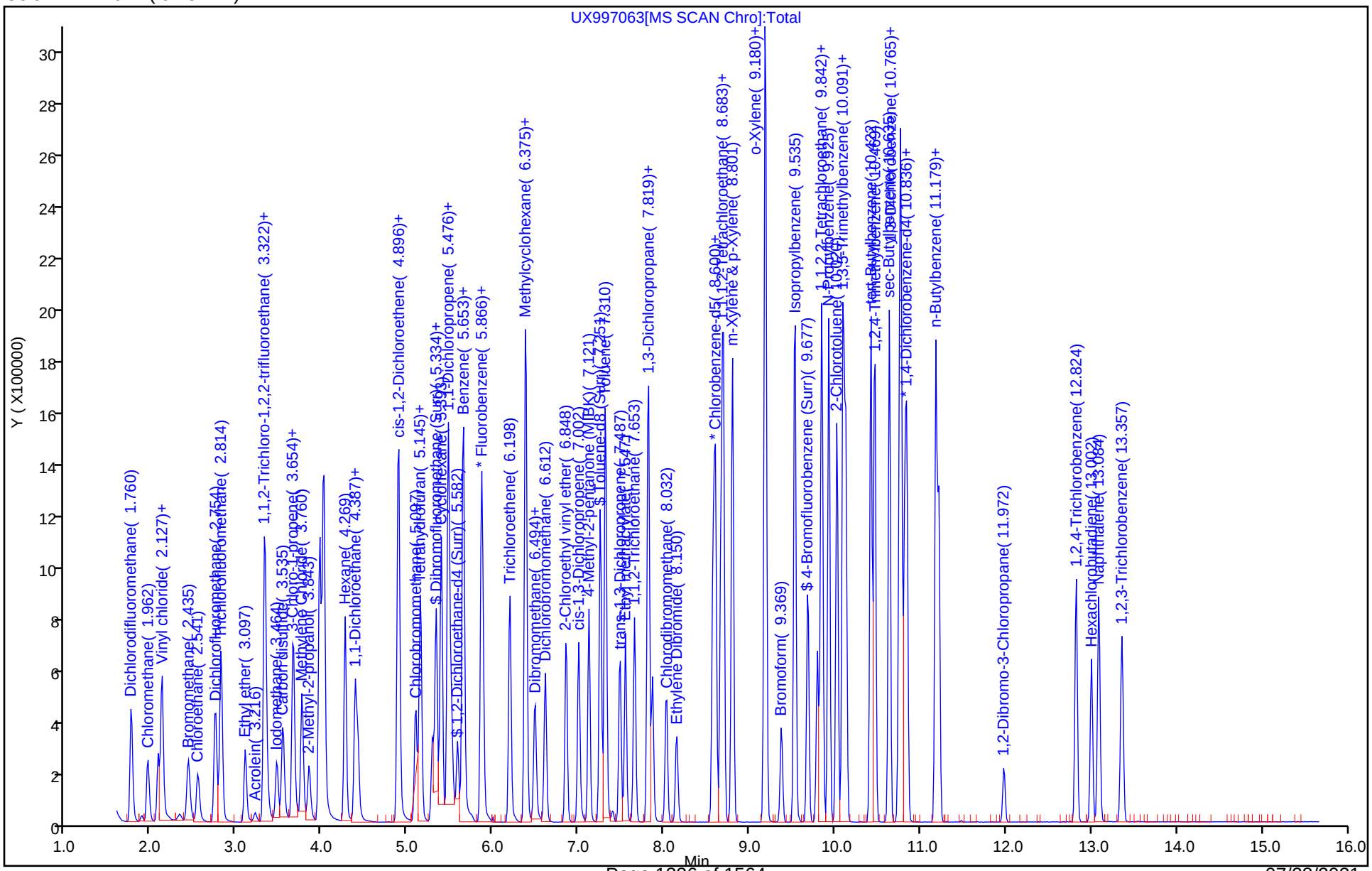
Report Date: 22-Jul-2021 12:03:03 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997063.D

Injection Date:	22-Jul-2021 11:07:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCV 240-496159/4 Calibration Date: 07/22/2021 11:30

Instrument ID: A3UX9 Calib Start Date: 06/16/2021 18:33

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/16/2021 20:29

Lab File ID: UX997064.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	0.0688	0.0568		0.165	0.200	-17.4	20.0
Diisopropyl ether	Ave	0.3409	0.3704		0.0217	0.0200	8.7	20.0
2-Chloro-1,3-butadiene	Ave	0.5261	0.5906		0.0225	0.0200	12.3	20.0
Ethyl-t-butyl ether (ETBE)	Ave	1.110	1.137		0.0205	0.0200	2.5	20.0
Ethyl acetate	Ave	0.4689	0.4178		0.0356	0.0400	-10.9	20.0
Propionitrile	Ave	0.0746	0.0658		0.176	0.200	-11.9	20.0
Methacrylonitrile	Ave	0.2763	0.2523		0.183	0.200	-8.7	20.0
Tert-amyl-methyl ether (TAME)	Ave	1.152	1.229		0.0213	0.0200	6.7	20.0
n-Butanol	Ave	0.0157	0.0138		0.439	0.500	-12.2	20.0
Ethyl acrylate	Ave	0.5503	0.5106		0.0186	0.0200	-7.2	20.0
Methyl methacrylate	Ave	0.3850	0.3594		0.0373	0.0400	-6.6	20.0
2-Nitropropane	Ave	0.1710	0.1427		0.0334	0.0400	-16.6	20.0
n-Butyl acetate	Ave	0.8825	0.7605		0.0172	0.0200	-13.8	20.0
1-Chlorohexane	Ave	0.7364	0.7746		0.0210	0.0200	5.2	20.0
Cyclohexanone	Ave	0.0488	0.0376		0.154	0.200	-22.9*	20.0
Pentachloroethane	Ave	0.5308	0.5954		0.0449	0.0400	12.2	20.0
1,2,3-Trimethylbenzene	Ave	3.646	3.605		0.0198	0.0200	-1.1	20.0
Benzyl chloride	Ave	0.5367	0.5330		0.0199	0.0200	-0.7	20.0
1,3,5-Trichlorobenzene	Ave	1.297	1.261		0.0194	0.0200	-2.8	20.0
2-Methylnaphthalene	Ave	1.414	0.9577		0.0271	0.0400	-32.3*	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997064.D
Lims ID: CCV A9
Client ID:
Sample Type: CCV
Inject. Date: 22-Jul-2021 11:30:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111471-004
Operator ID: 001765 Instrument ID: A3UX9
Sublist: chrom-8260_9*sub58

Method: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Jul-2021 12:03:27 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: bosworthh Date: 22-Jul-2021 12:03:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.877	5.877	0.000	99	758122	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.575	8.575	0.000	85	620737	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.823	10.823	0.000	95	335523	20.0	20.0	
27 Acetonitrile	41	3.617	3.617	0.000	99	430664	200.0	165.1	
38 Isopropyl ether	87	4.445	4.445	0.000	90	280802	20.0	21.7	
39 2-Chloro-1,3-butadiene	53	4.480	4.480	0.000	94	447755	20.0	22.5	
40 Tert-butyl ethyl ether	59	4.753	4.753	0.000	95	862312	20.0	20.5	
45 Propionitrile	54	4.930	4.930	0.000	94	498561	200.0	176.2	
44 Ethyl acetate	43	4.930	4.930	0.000	99	633485	40.0	35.6	
46 Methacrylonitrile	41	5.072	5.072	0.000	89	1912413	200.0	182.6	
163 Isooctane	57	5.723	5.723	0.000	96	815418	20.0	21.6	
57 Tert-amyl methyl ether	73	5.735	5.735	0.000	97	931715	20.0	21.3	
59 n-Butanol	56	6.078	6.078	0.000	86	261100	500.0	439.1	
61 Ethyl acrylate	55	6.255	6.255	0.000	99	387088	20.0	18.6	
64 Methyl methacrylate	41	6.456	6.456	0.000	83	544977	40.0	37.3	
68 2-Nitropropane	41	6.800	6.800	0.000	99	216319	40.0	33.4	
81 n-Butyl acetate	43	7.971	7.971	0.000	98	472064	20.0	17.2	
84 1-Chlorohexane	91	8.551	8.551	0.000	93	480812	20.0	21.0	
93 Cyclohexanone	55	9.616	9.616	0.000	91	126193	200.0	154.2	
105 Pentachloroethane	167	10.444	10.444	0.000	90	399511	40.0	44.9	
111 1,2,3-Trimethylbenzene	105	10.882	10.882	0.000	98	1209540	20.0	19.8	
112 Benzyl chloride	126	10.965	10.965	0.000	99	178845	20.0	19.9	
116 1,3,5-Trichlorobenzene	180	12.207	12.207	0.000	97	423142	20.0	19.4	
121 2-Methylnaphthalene	142	14.503	14.503	0.000	93	642659	40.0	27.1	
162 1-Methylnaphthalene	142	14.787	14.787	0.000	93	523459	40.0	26.5	

QC Flag Legend

Processing Flags

Reagents:

vmra9w_00399	Amount Added:	16.00	Units: uL
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL

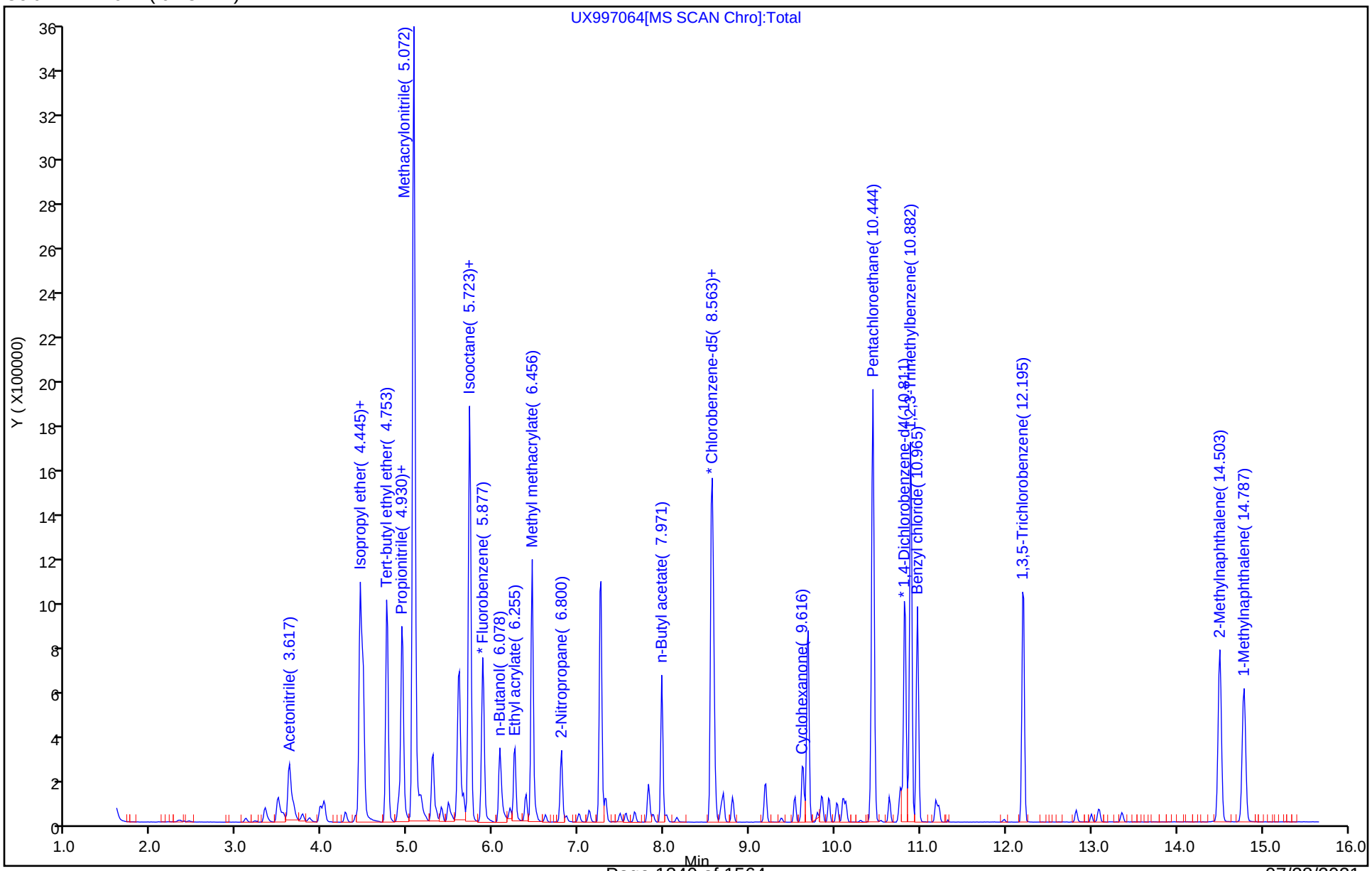
Report Date: 22-Jul-2021 12:03:28 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997064.D

Injection Date:	22-Jul-2021 11:30:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	CCV A9			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\BFB6676.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 23-Apr-2021 11:11:30 ALS Bottle#: 3 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0108510-001
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Apr-2021 08:38:39 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1667

First Level Reviewer: bosworthh Date: 23-Apr-2021 12:04:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 8 BFB	95	3.864	3.864	0.000	0	710968	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

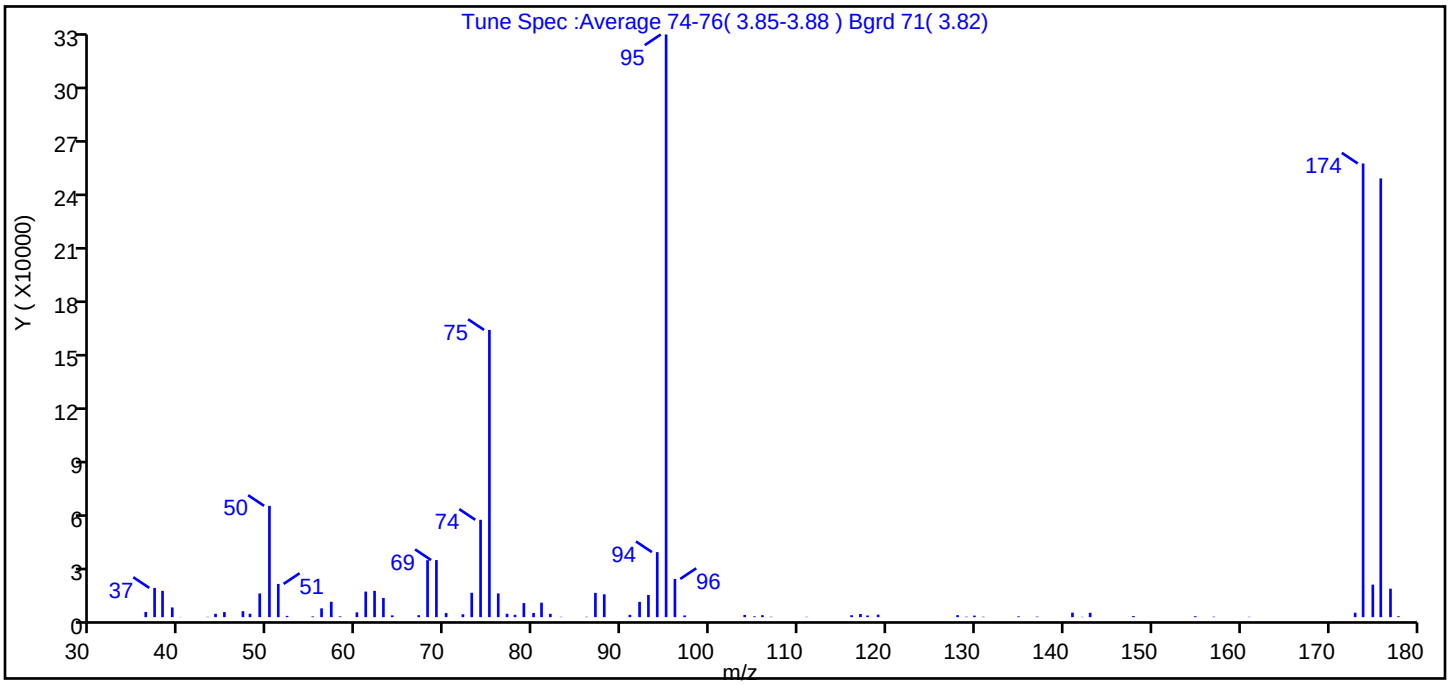
vmbfb_00026 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\BFB6676.D
Injection Date: 23-Apr-2021 11:11:30 Instrument ID: A3UX16
Lims ID: BFB
Client ID:
Operator ID: 001765 ALS Bottle#: 3 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Tune Method: BFB Method 8260

$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.1
75	30 to 60% of m/z 95	49.3
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.8 (1.0)
174	50 to 120% of m/z 95	77.9
175	5 to 9% of m/z 174	5.6 (7.2)
176	Greater than 95% but less than 101% of m/z 174	75.3 (96.7)
177	5 to 9% of m/z 176	4.9 (6.5)

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\BFB6676.D\8260_16.rslt\spectra.d
Injection Date: 23-Apr-2021 11:11:30
Spectrum: Tune Spec :Average 74-76(3.85-3.88) Bgrd 71(3.82)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 77

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2868	62.00	14518	87.00	13428	130.00	836
37.00	16161	63.00	10592	88.00	12618	131.00	233
38.00	14533	64.00	992	91.00	1274	135.00	434
39.00	5366	67.00	1076	92.00	8458	137.00	292
40.00	114	68.00	31504	93.00	12246	141.00	2499
43.00	175	69.00	31552	94.00	35936	142.00	169
44.00	1854	70.00	2273	95.00	321984	143.00	2383
45.00	2789	72.00	1605	96.00	21112	148.00	601
47.00	3296	73.00	13465	97.00	942	155.00	510
48.00	1894	74.00	53800	104.00	1186	157.00	256
49.00	13111	75.00	158720	105.00	456	161.00	187
50.00	61496	76.00	13130	106.00	1078	173.00	2457
51.00	18360	77.00	1862	107.00	216	174.00	250688
52.00	708	78.00	1281	111.00	181	175.00	17960
55.00	407	79.00	7764	116.00	1059	176.00	242432
56.00	4859	80.00	2302	117.00	1735	177.00	15723
57.00	8494	81.00	8019	118.00	914	178.00	472
58.00	398	82.00	1834	119.00	1356		
60.00	2653	83.00	180	128.00	1102		
61.00	14121	86.00	216	129.00	254		

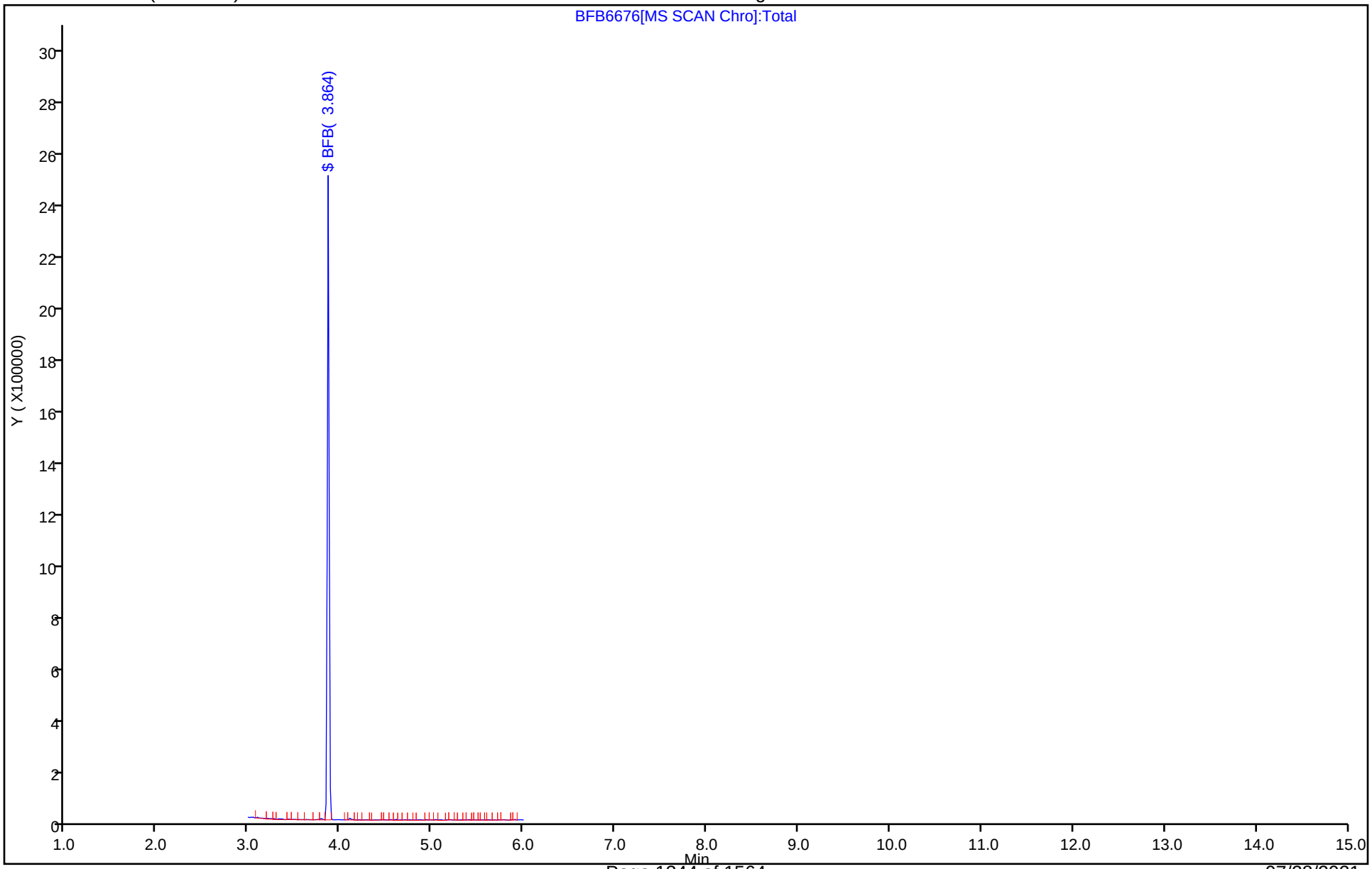
Report Date: 26-Apr-2021 08:38:39 Chrom Revision: 2.3 08-Apr-2021 17:17:48

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\BFB6676.D

Injection Date:	23-Apr-2021 11:11:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\BFB1331.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 26-Jul-2021 11:01:30 ALS Bottle#: 41 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0111551-001
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jul-2021 11:13:47 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: bosworthh Date: 26-Jul-2021 11:13:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 8 BFB	95	3.912	3.912	0.000	0	249806	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

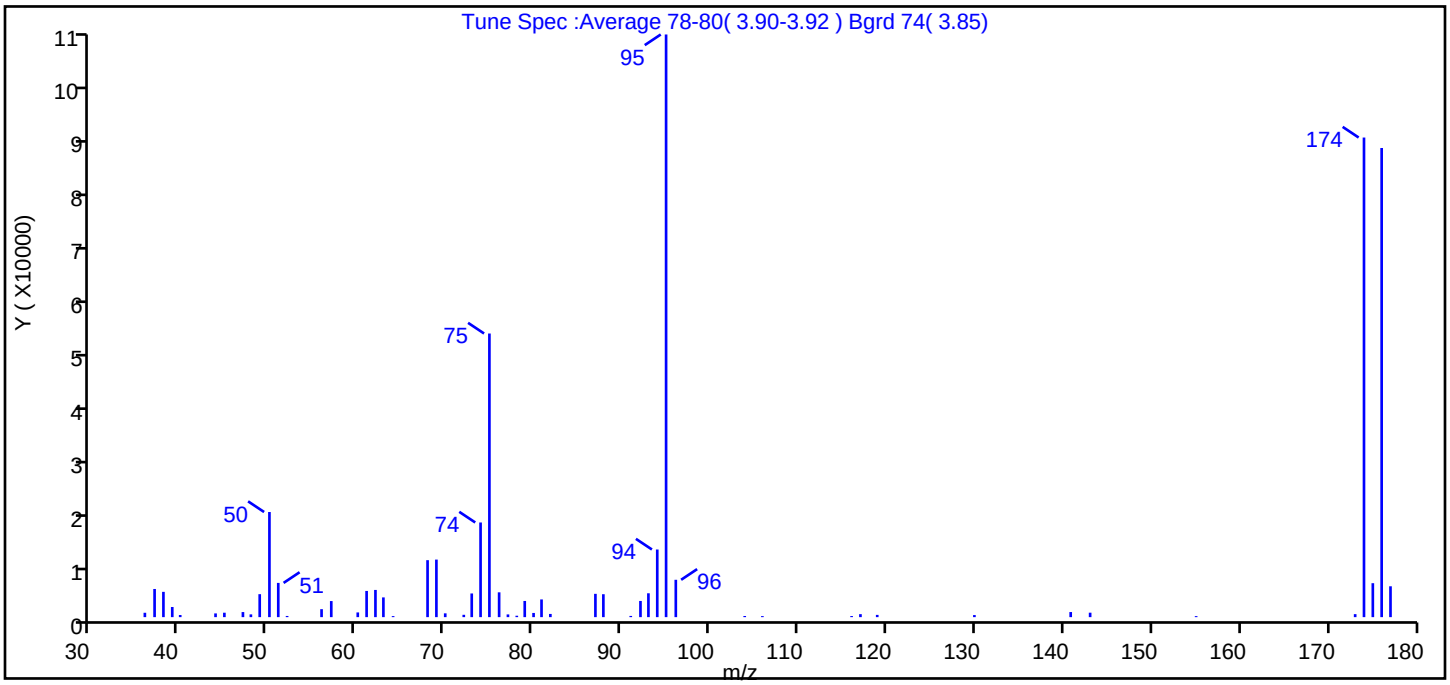
vmbfb_00027 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\BFB1331.D
Injection Date: 26-Jul-2021 11:01:30 Instrument ID: A3UX16
Lims ID: BFB
Client ID:
Operator ID: 001765 ALS Bottle#: 41 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Tune Method: BFB Method 8260

$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	18.0
75	30 to 60% of m/z 95	48.7
96	5 to 9% of m/z 95	6.4
173	Less than 2% of m/z 174	0.5 (0.6)
174	50 to 120% of m/z 95	82.3
175	5 to 9% of m/z 174	5.8 (7.1)
176	Greater than 95% but less than 101% of m/z 174	80.5 (97.8)
177	5 to 9% of m/z 176	5.3 (6.6)

Data File: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\BFB1331.D\8260_16.rslt\spectra.d
Injection Date: 26-Jul-2021 11:01:30
Spectrum: Tune Spec :Average 78-80(3.90-3.92) Bgrd 74(3.85)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 56

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	780	57.00	2867	77.00	485	104.00	204
37.00	5019	60.00	839	78.00	252	106.00	182
38.00	4508	61.00	4669	79.00	2883	116.00	194
39.00	1805	62.00	4849	80.00	747	117.00	532
40.00	378	63.00	3518	81.00	3157	119.00	402
44.00	665	64.00	184	82.00	571	130.00	370
45.00	790	68.00	10155	87.00	4154	141.00	908
47.00	905	69.00	10259	88.00	4086	143.00	795
48.00	493	70.00	678	91.00	217	155.00	182
49.00	4094	72.00	419	92.00	2884	173.00	536
50.00	18736	73.00	4220	93.00	4254	174.00	85480
51.00	6102	74.00	16872	94.00	12055	175.00	6051
52.00	210	75.00	50552	95.00	103848	176.00	83616
56.00	1422	76.00	4423	96.00	6658	177.00	5501

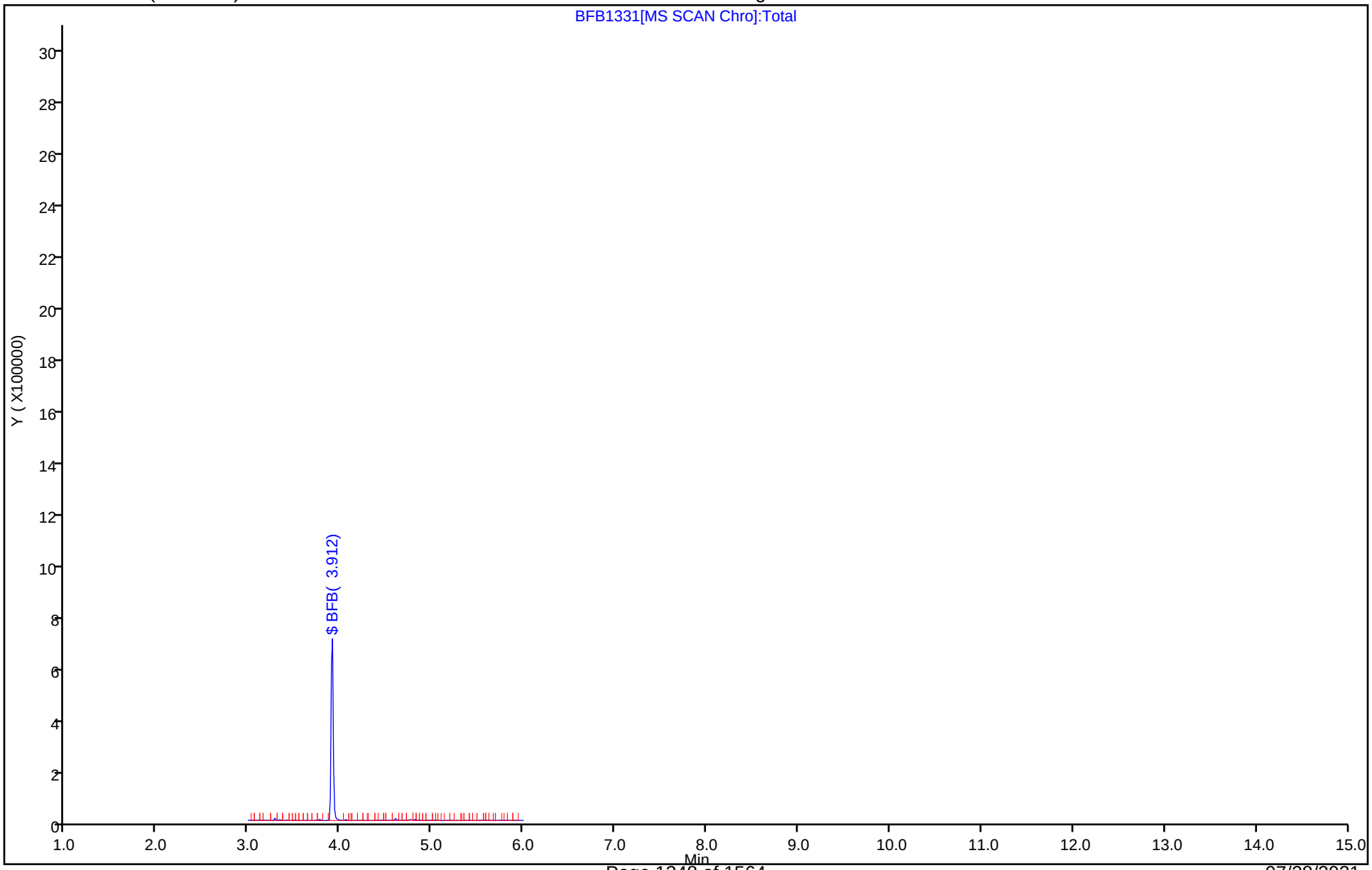
Report Date: 26-Jul-2021 11:13:47 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\BFB1331.D

Injection Date:	26-Jul-2021 11:01:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	41
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\bfb869.d
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 10-Jul-2021 13:18:28 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0111101-001
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 12-Jul-2021 14:49:43 Calib Date: 10-Jul-2021 16:37:56
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922962.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1645

First Level Reviewer: laveyt Date: 10-Jul-2021 13:28:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 8 BFB	95	4.818	4.818	0.000	0	683155	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

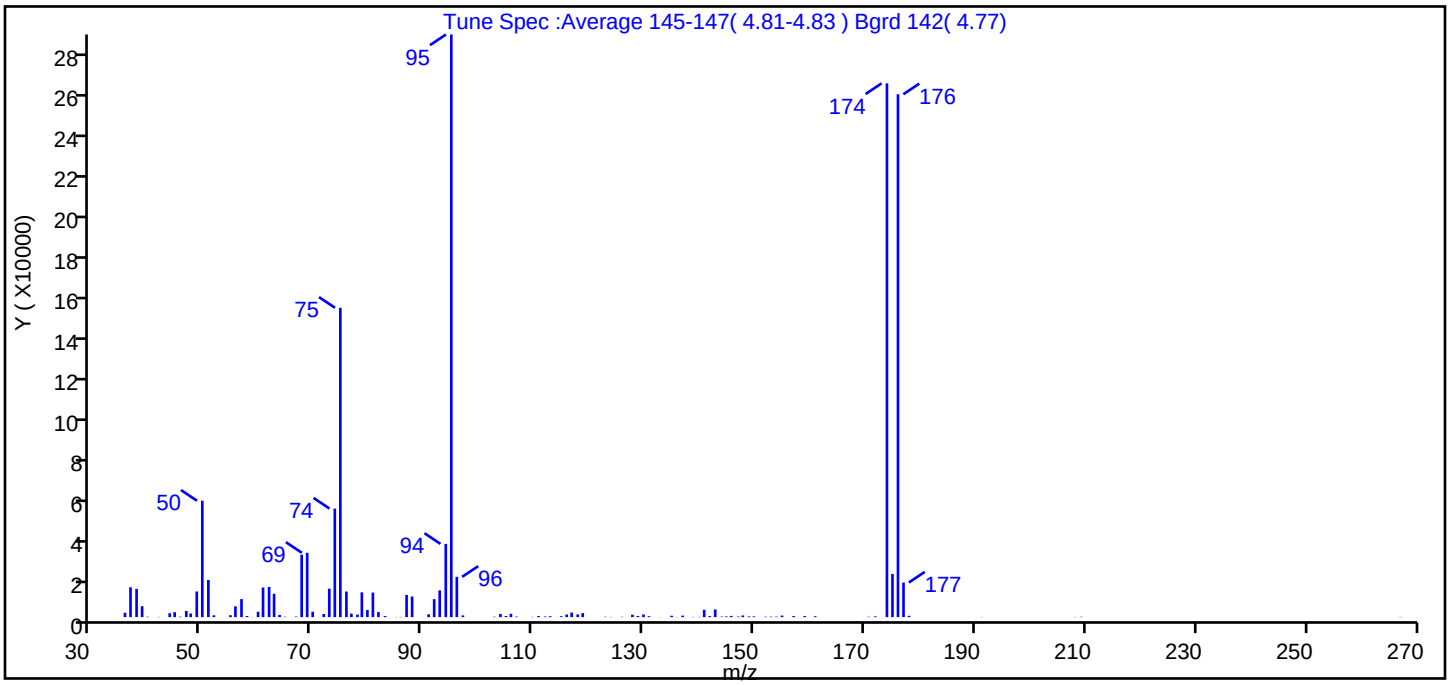
vmbfb_00027 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\bfb869.d
Injection Date: 10-Jul-2021 13:18:28 Instrument ID: A3UX19
Lims ID: BFB
Client ID:
Operator ID: 001904 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260_19 Limit Group: MSV 8260C ICAL
Tune Method: BFB Method 8260

$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	20.0
75	30 to 60% of m/z 95	53.1
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	91.6
175	5 to 9% of m/z 174	7.4 (8.1)
176	Greater than 95% but less than 101% of m/z 174	89.7 (98.0)
177	5 to 9% of m/z 176	5.9 (6.6)

Data File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\bfb869.d\8260_19.rslt\spectra.d
Injection Date: 10-Jul-2021 13:18:28
Spectrum: Tune Spec :Average 145-147(4.81-4.83) Bgrd 142(4.77)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 110

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2137	68.00	30336	104.00	1555	143.00	3738
37.00	14527	69.00	31256	105.00	556	144.00	248
38.00	13723	70.00	2640	106.00	1627	145.00	344
39.00	5314	71.00	41	107.00	287	146.00	607
40.00	210	72.00	1540	110.00	130	147.00	293
42.00	116	73.00	13840	111.00	545	148.00	828
43.00	3	74.00	52760	112.00	308	149.00	342
44.00	1897	75.00	150336	113.00	451	150.00	369
45.00	2412	76.00	12451	115.00	442	152.00	230
46.00	236	77.00	1722	116.00	1308	153.00	239
47.00	2989	78.00	1238	117.00	2228	154.00	258
48.00	1749	79.00	12059	118.00	1297	155.00	762
49.00	12468	80.00	3463	119.00	1966	157.00	548
50.00	56576	81.00	11953	123.00	179	159.00	527
51.00	18040	82.00	2455	124.00	93	161.00	440
52.00	883	83.00	542	126.00	153	171.00	197
55.00	938	85.00	98	128.00	1210	172.00	382
56.00	5238	86.00	117	129.00	561	174.00	259392
57.00	8781	87.00	10819	130.00	1304	175.00	21008
58.00	577	88.00	10029	131.00	464	176.00	254080
59.00	92	91.00	1388	133.00	49	177.00	16832
60.00	2630	92.00	8726	135.00	675	178.00	643
61.00	14393	93.00	13020	136.00	92	191.00	95
62.00	14646	94.00	35600	137.00	739	208.00	97
63.00	11359	95.00	283136	139.00	116	209.00	174
64.00	1062	96.00	19592	140.00	135	267.00	110
65.00	194	97.00	853	141.00	3570		
67.00	290	103.00	206	142.00	513		

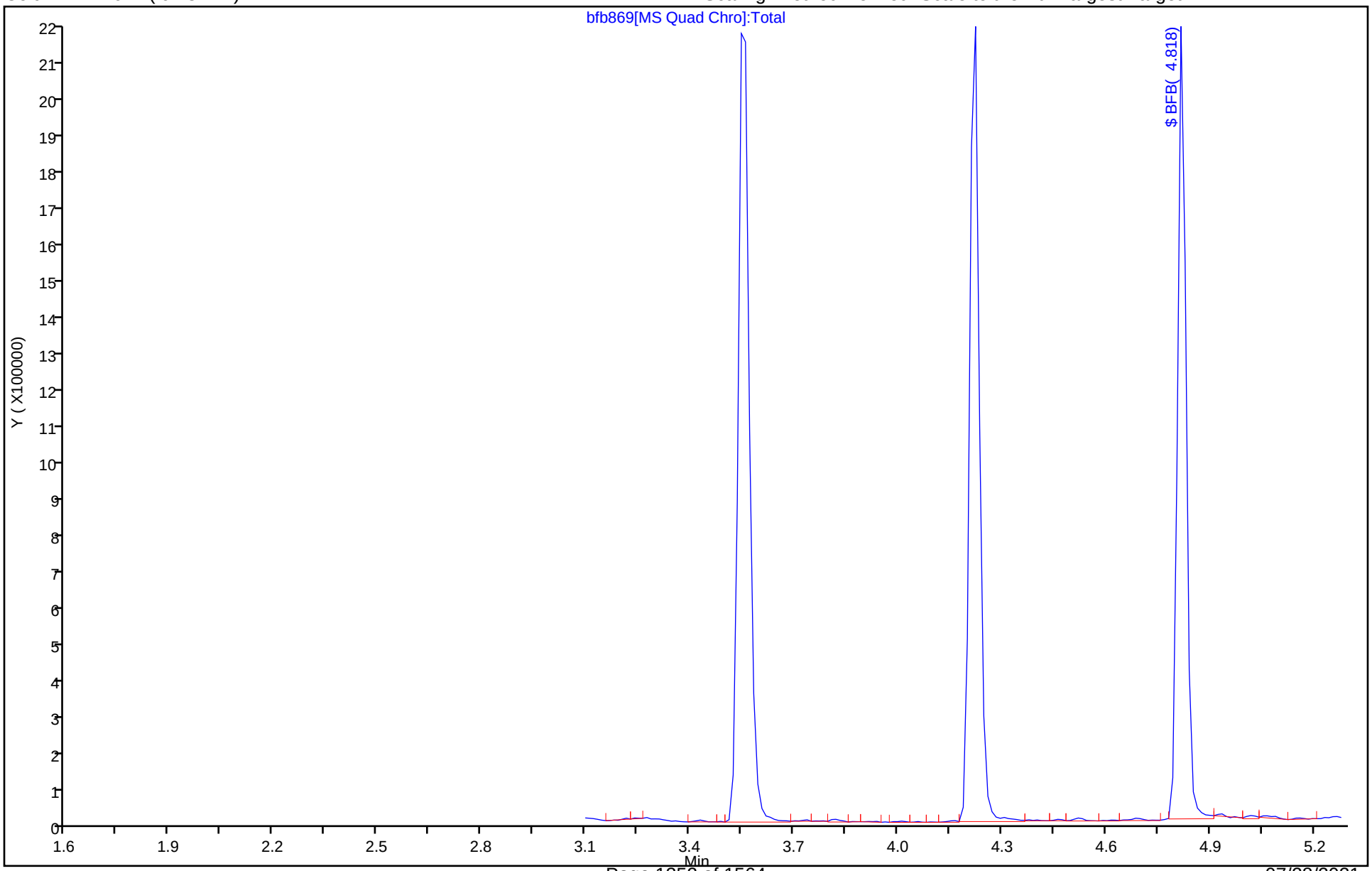
Report Date: 12-Jul-2021 14:49:43 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\bfb869.d

Injection Date:	10-Jul-2021 13:18:28	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\bfb870.d
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 12-Jul-2021 16:27:02 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0111153-001
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 12-Jul-2021 17:16:33 Calib Date: 10-Jul-2021 16:37:56
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922962.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1645

First Level Reviewer: laveyt Date: 12-Jul-2021 17:16:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 8 BFB	95	4.819	4.819	0.000	0	716943	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

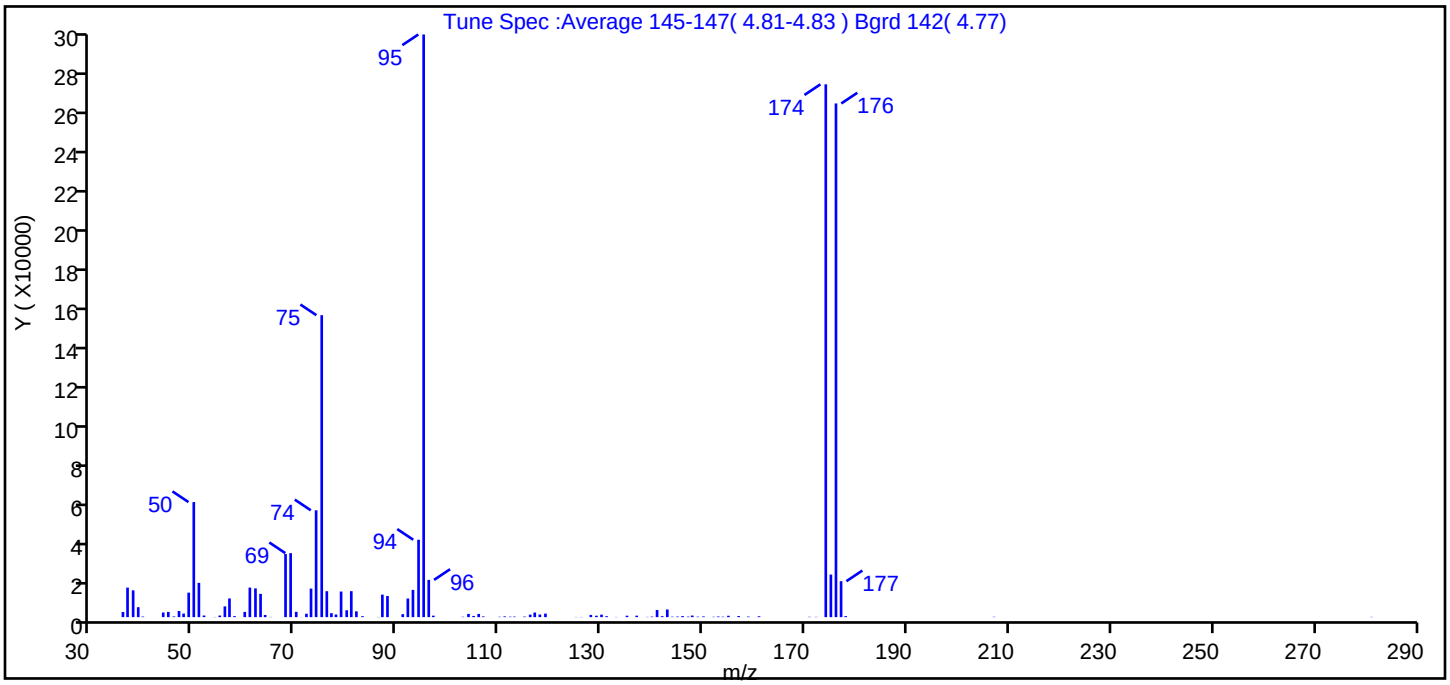
vmbfb_00027 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\bfb870.d
Injection Date: 12-Jul-2021 16:27:02 Instrument ID: A3UX19
Lims ID: BFB
Client ID:
Operator ID: 001904 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260_19 Limit Group: MSV 8260C ICAL
Tune Method: BFB Method 8260

$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.8
75	30 to 60% of m/z 95	51.8
96	5 to 9% of m/z 95	6.4
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	91.4
175	5 to 9% of m/z 174	7.3 (8.0)
176	Greater than 95% but less than 101% of m/z 174	88.2 (96.4)
177	5 to 9% of m/z 176	6.2 (7.0)

Data File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\bfb870.d\8260_19.rslt\spectra.d
Injection Date: 12-Jul-2021 16:27:02
Spectrum: Tune Spec :Average 145-147(4.81-4.83) Bgrd 142(4.77)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 104

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2629	67.00	13	97.00	747	141.00	3644
37.00	15029	68.00	32080	103.00	192	142.00	486
38.00	13626	69.00	32544	104.00	1652	143.00	3902
39.00	5064	70.00	2713	105.00	618	144.00	218
40.00	294	71.00	43	106.00	1639	145.00	299
43.00	14	72.00	1726	107.00	364	146.00	530
44.00	2354	73.00	14511	110.00	180	147.00	257
45.00	2657	74.00	54336	111.00	374	148.00	812
46.00	340	75.00	153536	112.00	230	149.00	246
47.00	3113	76.00	13191	113.00	279	150.00	367
48.00	1821	77.00	2012	115.00	282	152.00	177
49.00	12451	78.00	1342	116.00	1269	153.00	325
50.00	58512	79.00	13026	117.00	2356	154.00	212
51.00	17424	80.00	3509	118.00	1346	155.00	707
52.00	830	81.00	13206	119.00	1809	157.00	548
54.00	89	82.00	2962	125.00	92	159.00	294
55.00	810	83.00	475	126.00	98	161.00	439
56.00	5474	86.00	86	128.00	1119	171.00	174
57.00	9502	87.00	11444	129.00	720	172.00	138
58.00	507	88.00	10734	130.00	1263	174.00	270912
60.00	2671	91.00	1504	131.00	470	175.00	21656
61.00	15024	92.00	9478	133.00	101	176.00	261184
62.00	14614	93.00	13865	135.00	728	177.00	18280
63.00	11841	94.00	39352	137.00	760	178.00	512
64.00	1097	95.00	296256	139.00	126	207.00	167
65.00	111	96.00	18944	140.00	281	281.00	135

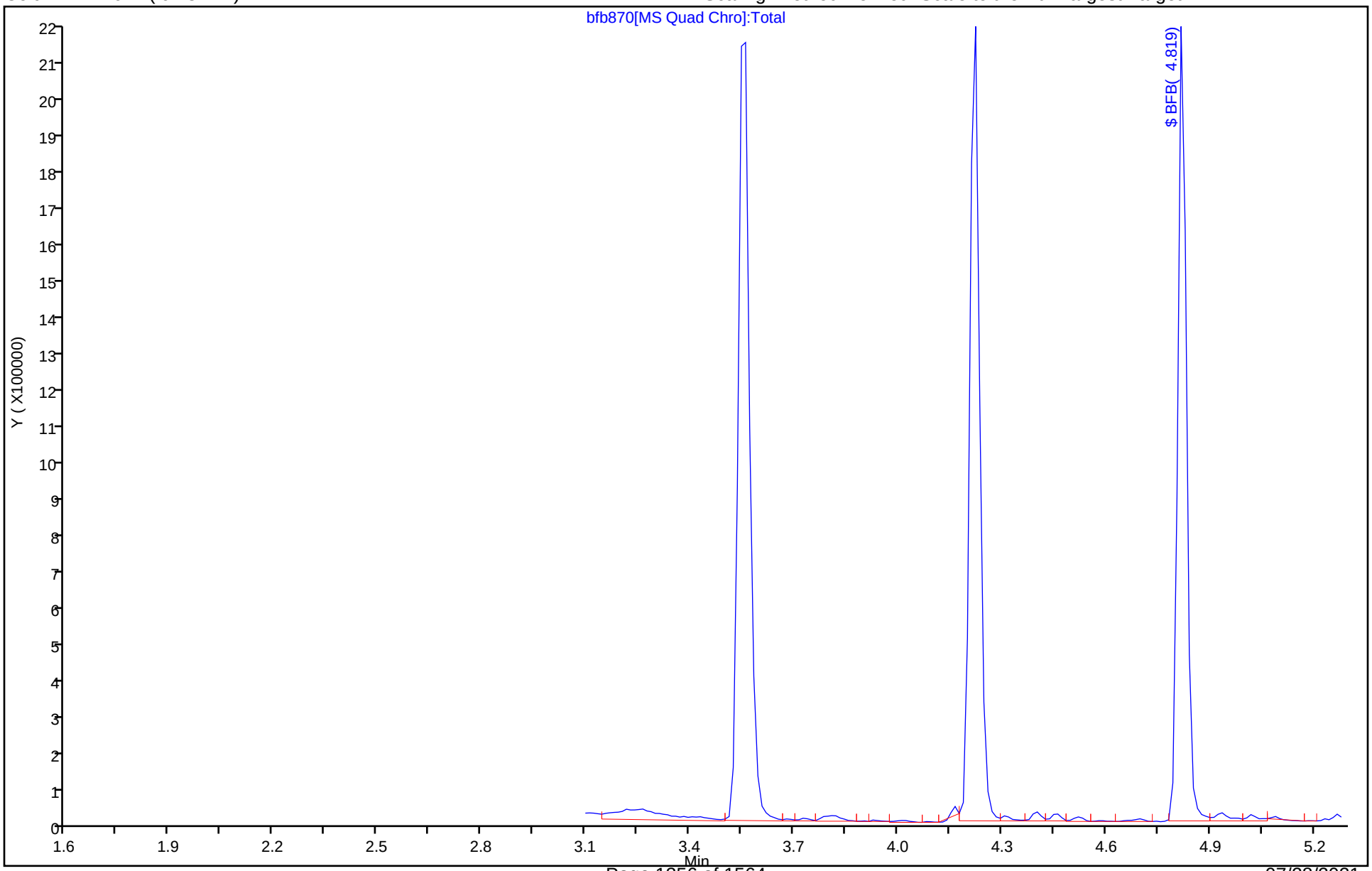
Report Date: 12-Jul-2021 17:16:33 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\bfb870.d

Injection Date:	12-Jul-2021 16:27:02	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\bfb877.d
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 23-Jul-2021 14:59:09 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0111514-001
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Jul-2021 15:33:54 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: laveyt Date: 23-Jul-2021 15:33:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 8 BFB	95	4.819	4.819	0.000	0	485837	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

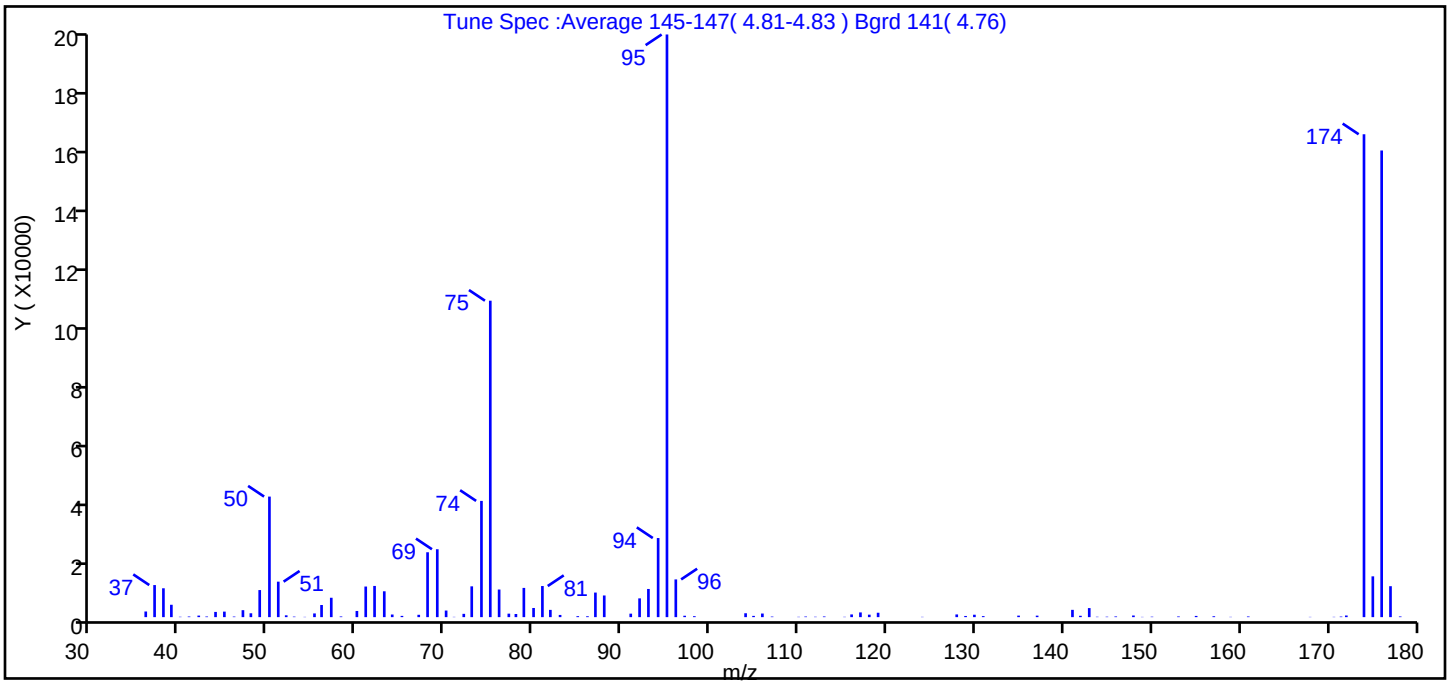
vmbfb_00027 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\bfb877.d
Injection Date: 23-Jul-2021 14:59:09 Instrument ID: A3UX19
Lims ID: BFB
Client ID:
Operator ID: 001904 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260_19 Limit Group: MSV 8260C ICAL
Tune Method: BFB Method 8260

$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	20.7
75	30 to 60% of m/z 95	54.3
96	5 to 9% of m/z 95	6.5
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	82.9
175	5 to 9% of m/z 174	7.0 (8.4)
176	Greater than 95% but less than 101% of m/z 174	80.1 (96.6)
177	5 to 9% of m/z 176	5.3 (6.6)

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\bfb877.d\8260_19.rslt\spectra.d
Injection Date: 23-Jul-2021 14:59:09
Spectrum: Tune Spec :Average 145-147(4.81-4.83) Bgrd 141(4.76)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 101

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1939	63.00	8872	93.00	9667	141.00	2503
37.00	11007	64.00	904	94.00	27144	142.00	468
38.00	9905	65.00	434	95.00	199936	143.00	3107
39.00	4247	67.00	808	96.00	12946	144.00	136
40.00	127	68.00	22264	97.00	481	145.00	154
41.00	214	69.00	23296	98.00	322	146.00	238
42.00	530	70.00	2265	104.00	1335	148.00	563
43.00	221	71.00	94	105.00	429	149.00	87
44.00	1795	72.00	1134	106.00	1241	150.00	155
45.00	1898	73.00	10572	107.00	193	153.00	233
46.00	196	74.00	39888	110.00	109	155.00	419
47.00	2392	75.00	108584	111.00	207	157.00	301
48.00	1327	76.00	9478	112.00	134	159.00	95
49.00	9291	77.00	1197	113.00	230	161.00	228
50.00	41368	78.00	1080	115.00	111	168.00	87
51.00	12176	79.00	10032	116.00	932	171.00	98
52.00	628	80.00	3144	117.00	1621	171.00	200
53.00	180	81.00	10675	118.00	852	172.00	562
54.00	91	82.00	2492	119.00	1510	174.00	165696
55.00	1273	83.00	755	124.00	98	175.00	13999
56.00	4165	85.00	333	128.00	928	176.00	160128
57.00	6654	86.00	301	129.00	404	177.00	10621
58.00	231	87.00	8433	130.00	831	178.00	229
60.00	2117	88.00	7434	131.00	346		
61.00	10503	91.00	1198	135.00	524		
62.00	10707	92.00	6442	137.00	514		

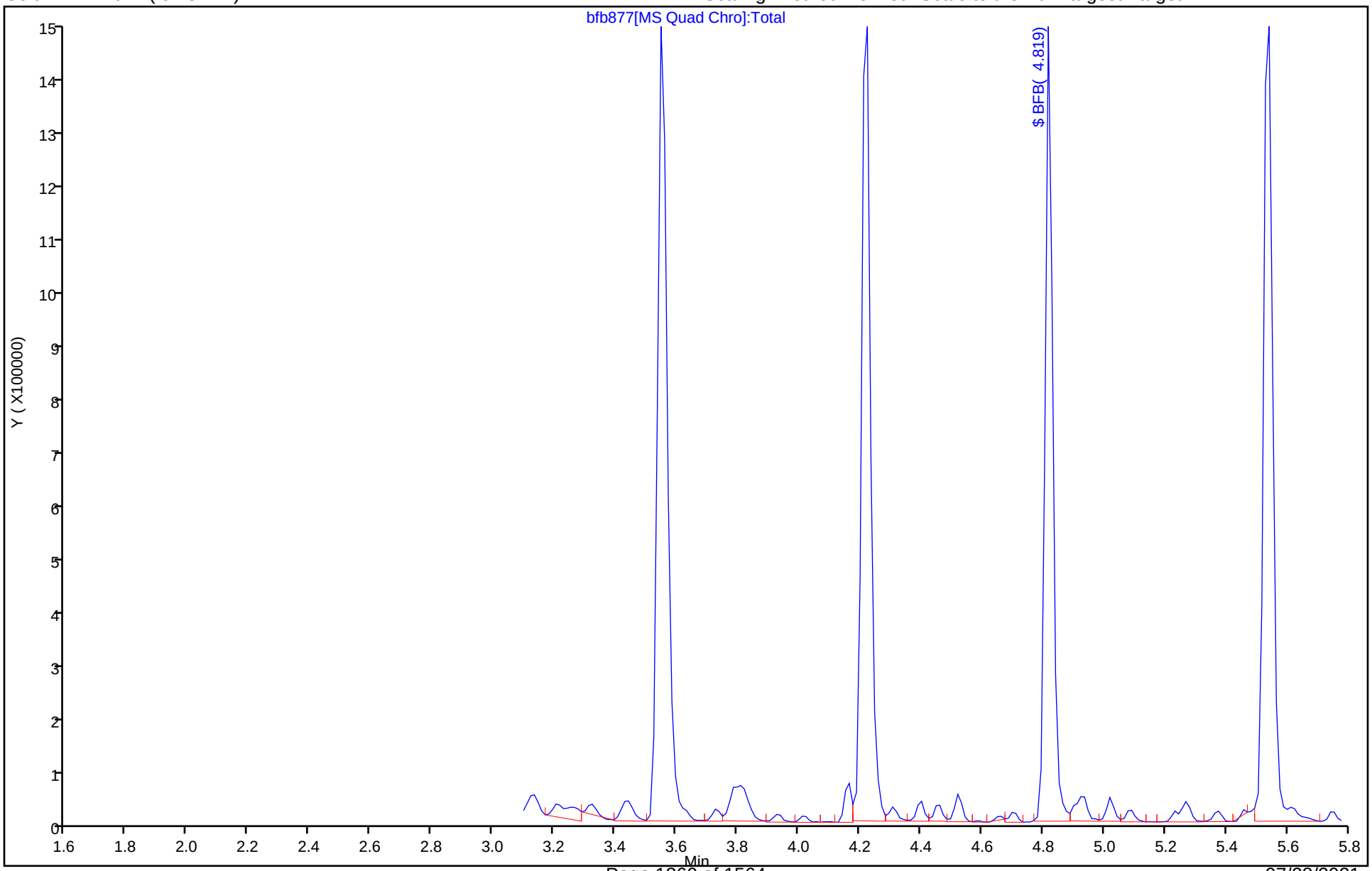
Report Date: 23-Jul-2021 15:33:55 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\bfb877.d

Injection Date:	23-Jul-2021 14:59:09	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\BFB1296.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 16-Jun-2021 13:50:30 ALS Bottle#: 57 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0110323-001
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 16-Jun-2021 15:01:39 Calib Date: 10-Jun-2021 16:45:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210610-110117.b\UX995922.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1669

First Level Reviewer: bosworthh Date: 16-Jun-2021 15:01:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 8 BFB	95	3.925	3.925	0.000	0	434587	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

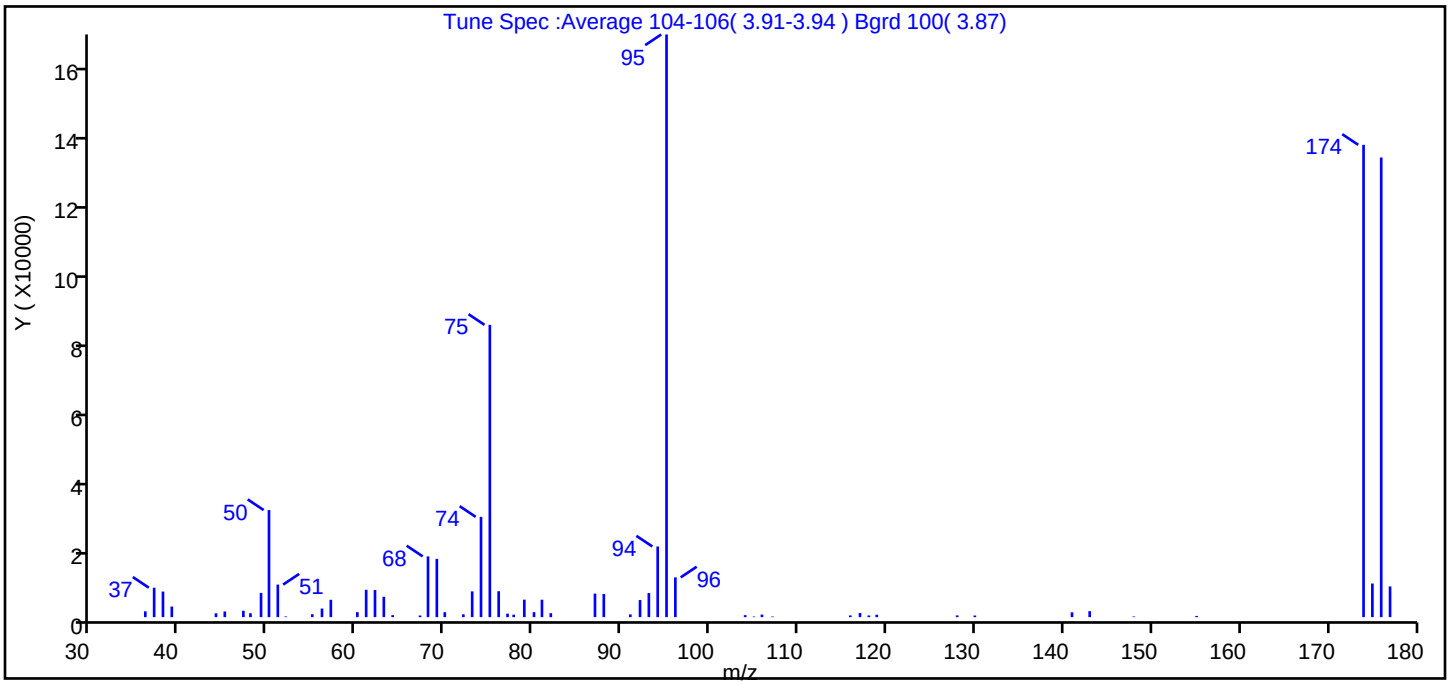
vmbfb_00027 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\BFB1296.D
Injection Date: 16-Jun-2021 13:50:30 Instrument ID: A3UX9
Lims ID: BFB
Client ID:
Operator ID: 001765 ALS Bottle#: 57 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260_9 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	18.4
75	30 to 60% of m/z 95	50.2
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	81.1
175	5 to 9% of m/z 174	5.8 (7.1)
176	Greater than 95% but less than 101% of m/z 174	78.9 (97.3)
177	5 to 9% of m/z 176	5.3 (6.7)

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\BFB1296.D\8260_9.rslt\spectra.d
Injection Date: 16-Jun-2021 13:50:30
Spectrum: Tune Spec :Average 104-106(3.91-3.94) Bgrd 100(3.87)
Base Peak: 95.05
Minimum % Base Peak: 0
Number of Points: 61

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1675	61.00	7883	80.00	1440	117.00	1185
37.00	8488	62.00	7818	81.00	5021	118.00	480
38.00	7371	63.00	5869	82.00	1141	119.00	703
39.00	3059	64.00	576	87.00	6789	128.00	503
44.00	1109	67.00	469	88.00	6682	130.00	468
45.00	1647	68.00	17512	91.00	800	141.00	1394
47.00	1845	69.00	16792	92.00	4929	143.00	1722
48.00	1130	70.00	1433	93.00	6941	148.00	188
49.00	6983	72.00	821	94.00	20360	155.00	352
50.00	30864	73.00	7425	95.00	167936	174.00	136128
51.00	9386	74.00	28904	96.00	11462	175.00	9691
52.00	198	75.00	84240	104.00	574	176.00	132480
55.00	839	76.00	7471	105.00	167	177.00	8851
56.00	2468	77.00	1004	106.00	741		
57.00	5005	78.00	709	107.00	172		
60.00	1443	79.00	5045	116.00	493		

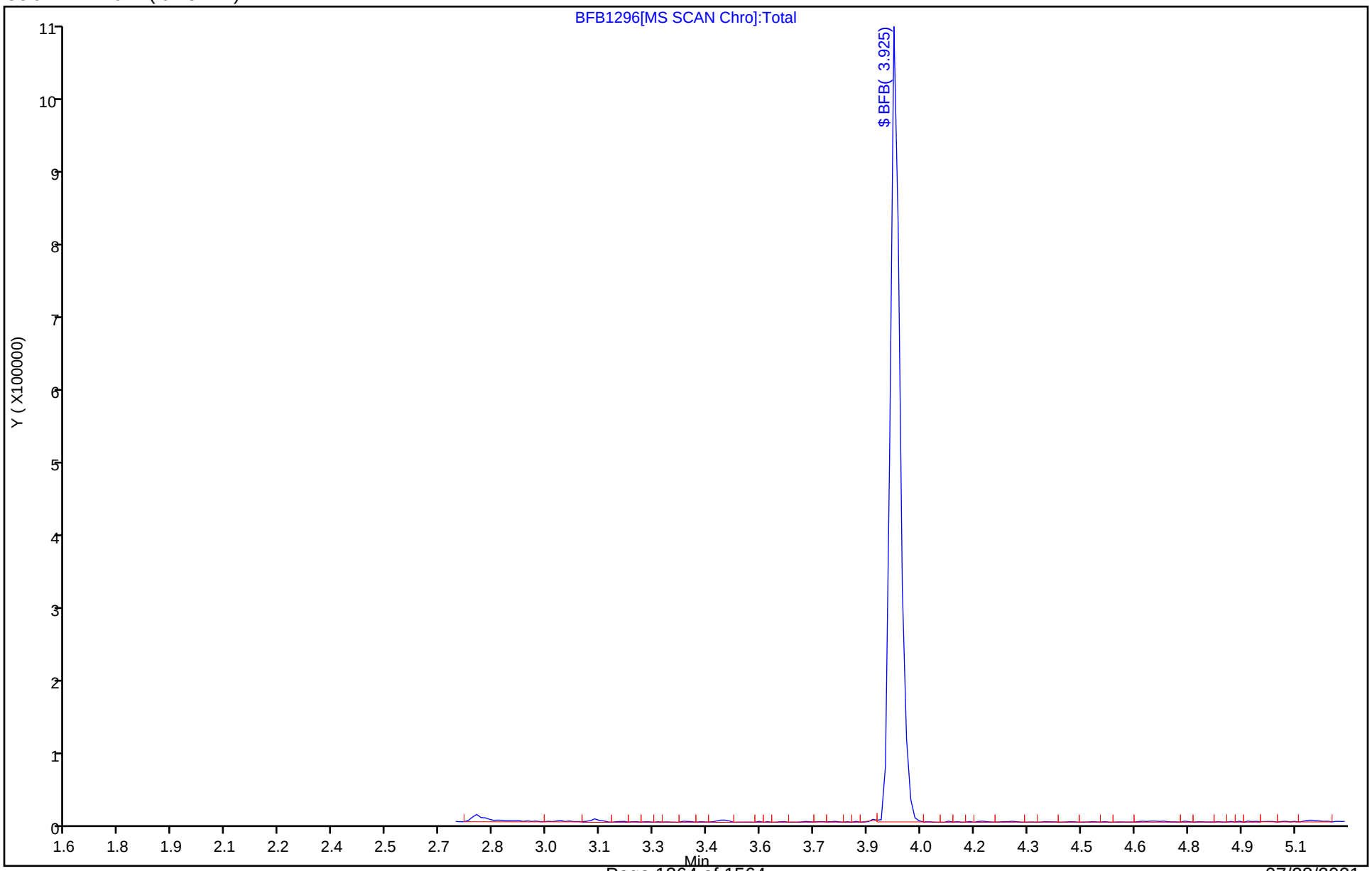
Report Date: 16-Jun-2021 15:01:39 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\BFB1296.D

Injection Date:	16-Jun-2021 13:50:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	57
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\BFB1331.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 20-Jul-2021 09:55:30 ALS Bottle#: 60 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0111393-001
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Jul-2021 10:53:31 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1648

First Level Reviewer: bosworthh Date: 20-Jul-2021 10:53:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 8 BFB	95	4.042	4.042	0.000	0	337550	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

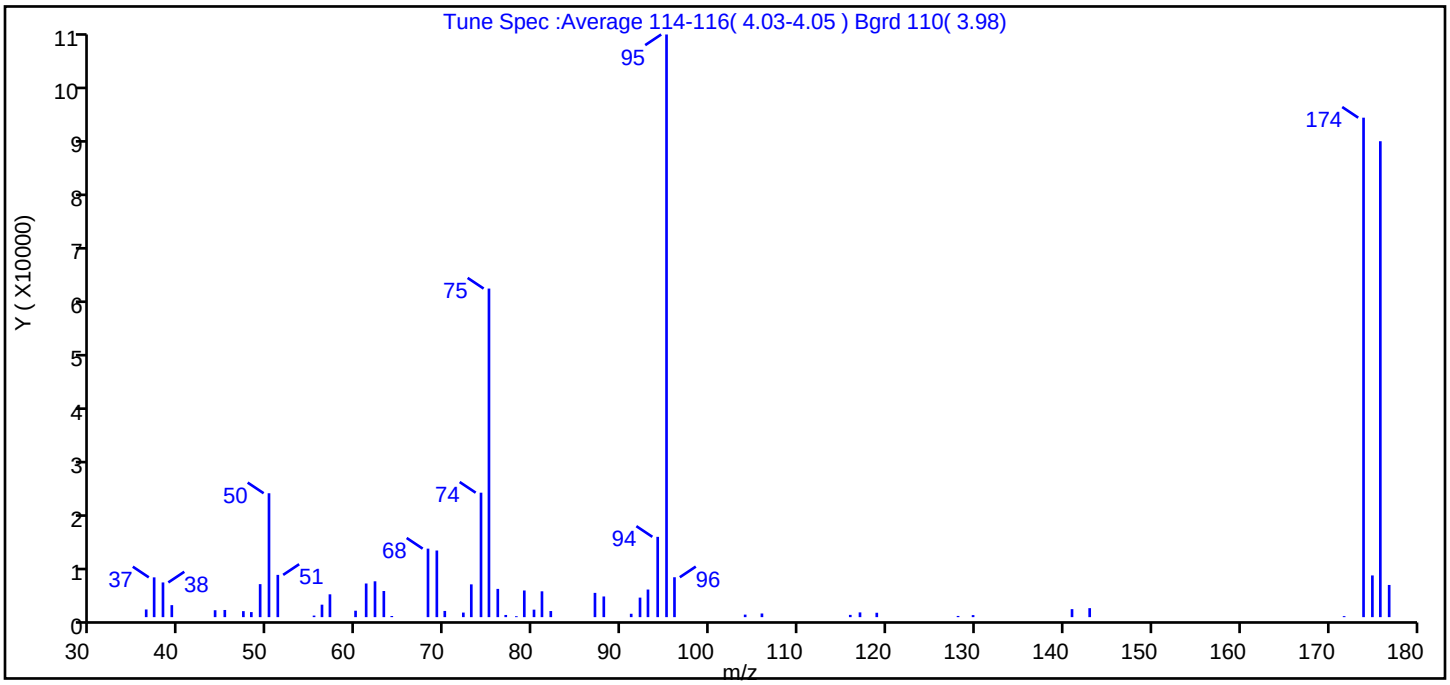
vmbfb_00027 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\BFB1331.D
Injection Date: 20-Jul-2021 09:55:30 Instrument ID: A3UX9
Lims ID: BFB
Client ID:
Operator ID: 001765 ALS Bottle#: 60 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260_9 Limit Group: MSV 8260C ICAL
Tune Method: BFB Method 8260

$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.3
75	30 to 60% of m/z 95	56.4
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	85.7
175	5 to 9% of m/z 174	7.2 (8.4)
176	Greater than 95% but less than 101% of m/z 174	81.7 (95.3)
177	5 to 9% of m/z 176	5.5 (6.8)

Data File: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\BFB1331.D\8260_9.rslt\spectra.d
Injection Date: 20-Jul-2021 09:55:30
Spectrum: Tune Spec :Average 114-116(4.03-4.05) Bgrd 110(3.98)
Base Peak: 95.05
Minimum % Base Peak: 0
Number of Points: 55

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1402	60.00	1173	78.00	171	106.00	668
37.00	7260	61.00	6141	79.00	4865	116.00	413
38.00	6334	62.00	6541	80.00	1369	117.00	867
39.00	2191	63.00	4769	81.00	4715	119.00	799
44.00	1261	64.00	208	82.00	1114	128.00	219
45.00	1308	68.00	12500	87.00	4429	130.00	374
47.00	1096	69.00	12161	88.00	3773	141.00	1462
48.00	922	70.00	1132	91.00	617	143.00	1641
49.00	6023	72.00	834	92.00	3564	172.00	185
50.00	22608	73.00	5982	93.00	5038	174.00	91144
51.00	7712	74.00	22712	94.00	14655	175.00	7612
55.00	285	75.00	59960	95.00	106328	176.00	86848
56.00	2276	76.00	5155	96.00	7281	177.00	5874
57.00	4166	77.00	398	104.00	462		

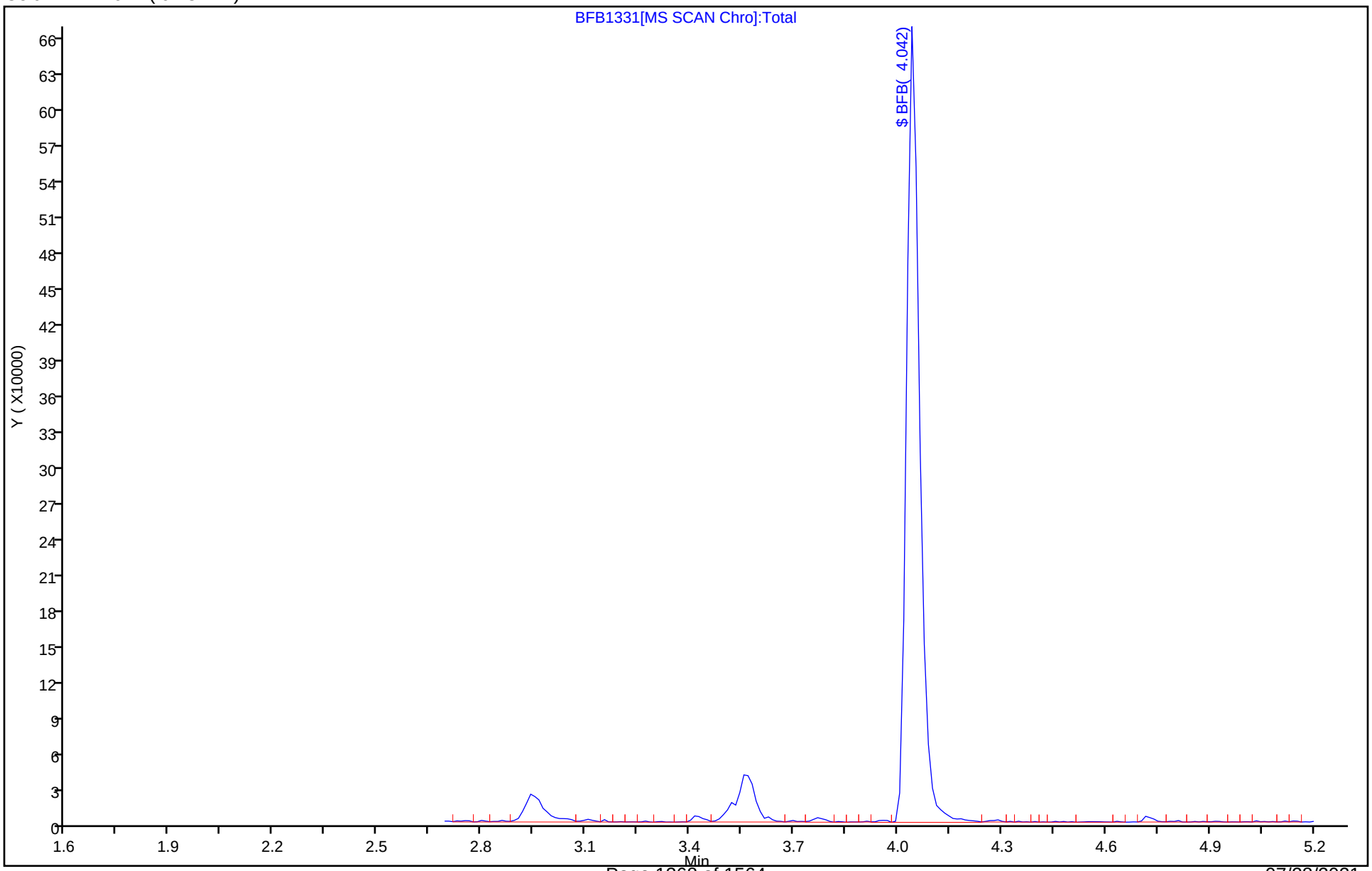
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Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\BFB1331.D

Injection Date:	20-Jul-2021 09:55:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	60
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\BFB1332.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 21-Jul-2021 10:40:30 ALS Bottle#: 61 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0111430-001
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Jul-2021 11:42:58 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: bosworthh Date: 21-Jul-2021 11:24:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 8 BFB	95	4.044	4.044	0.000	0	470542	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

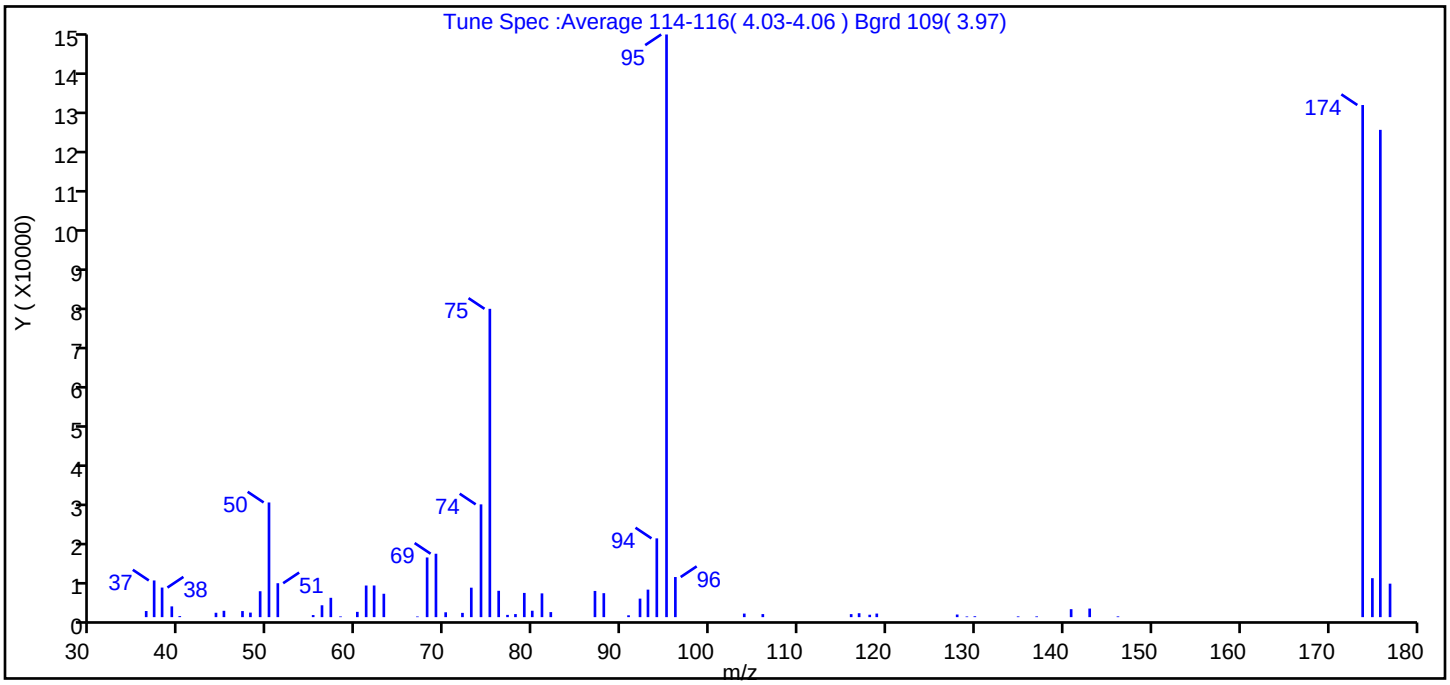
vmbfb_00027 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\BFB1332.D
Injection Date: 21-Jul-2021 10:40:30 Instrument ID: A3UX9
Lims ID: BFB
Client ID:
Operator ID: 001765 ALS Bottle#: 61 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260_9 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	19.7
75	30 to 60% of m/z 95	52.9
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	87.9
175	5 to 9% of m/z 174	6.7 (7.6)
176	Greater than 95% but less than 101% of m/z 174	83.6 (95.2)
177	5 to 9% of m/z 176	5.7 (6.9)

Data File: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\BFB1332.D\8260_9.rslt\spectra.d
Injection Date: 21-Jul-2021 10:40:30
Spectrum: Tune Spec :Average 114-116(4.03-4.06) Bgrd 109(3.97)
Base Peak: 95.05
Minimum % Base Peak: 0
Number of Points: 61

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1542	60.00	1332	80.00	1615	119.00	902
37.00	9244	61.00	7968	81.00	5989	128.00	658
38.00	7454	62.00	7976	82.00	1272	129.00	174
39.00	2711	63.00	5894	87.00	6604	130.00	226
40.00	260	67.00	166	88.00	6039	135.00	187
44.00	1104	68.00	15036	91.00	462	137.00	190
45.00	1602	69.00	15978	92.00	4666	141.00	2010
47.00	1530	70.00	1224	93.00	6932	143.00	2163
48.00	1143	72.00	1076	94.00	19848	146.00	189
49.00	6530	73.00	7425	95.00	146816	174.00	129040
50.00	28896	74.00	28416	96.00	10108	175.00	9819
51.00	8550	75.00	77688	104.00	897	176.00	122784
55.00	524	76.00	6643	106.00	773	177.00	8440
56.00	2990	77.00	570	116.00	761		
57.00	4874	78.00	774	117.00	988		
58.00	175	79.00	6104	118.00	608		

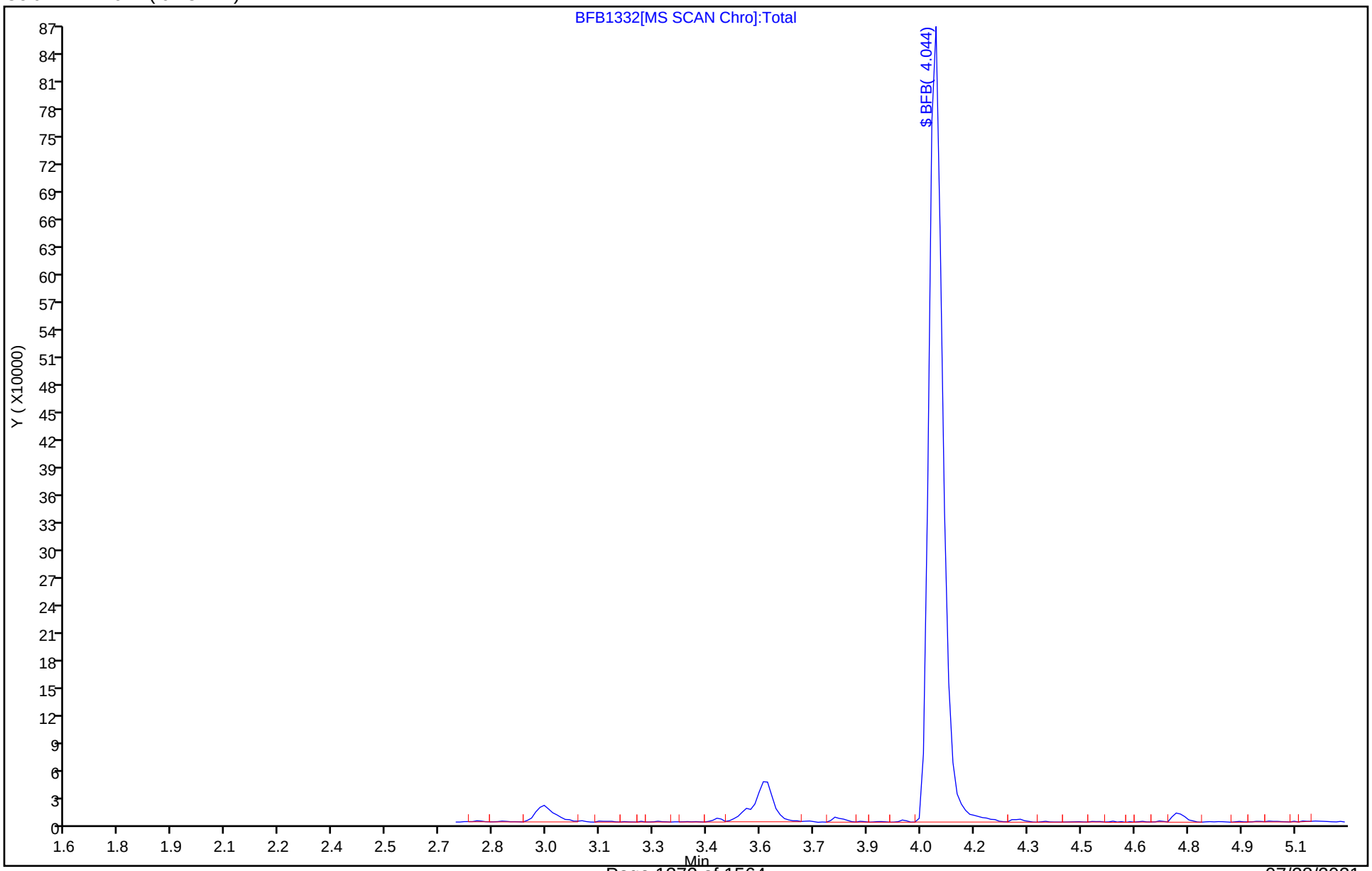
Report Date: 21-Jul-2021 11:42:59 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\BFB1332.D

Injection Date:	21-Jul-2021 10:40:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	61
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\BFB1334.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 22-Jul-2021 10:38:30 ALS Bottle#: 63 Worklist Smp#: 2
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0111471-002
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Jul-2021 10:55:20 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: bosworthh Date: 22-Jul-2021 10:55:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 8 BFB	95	3.927	3.927	0.000	0	631104	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

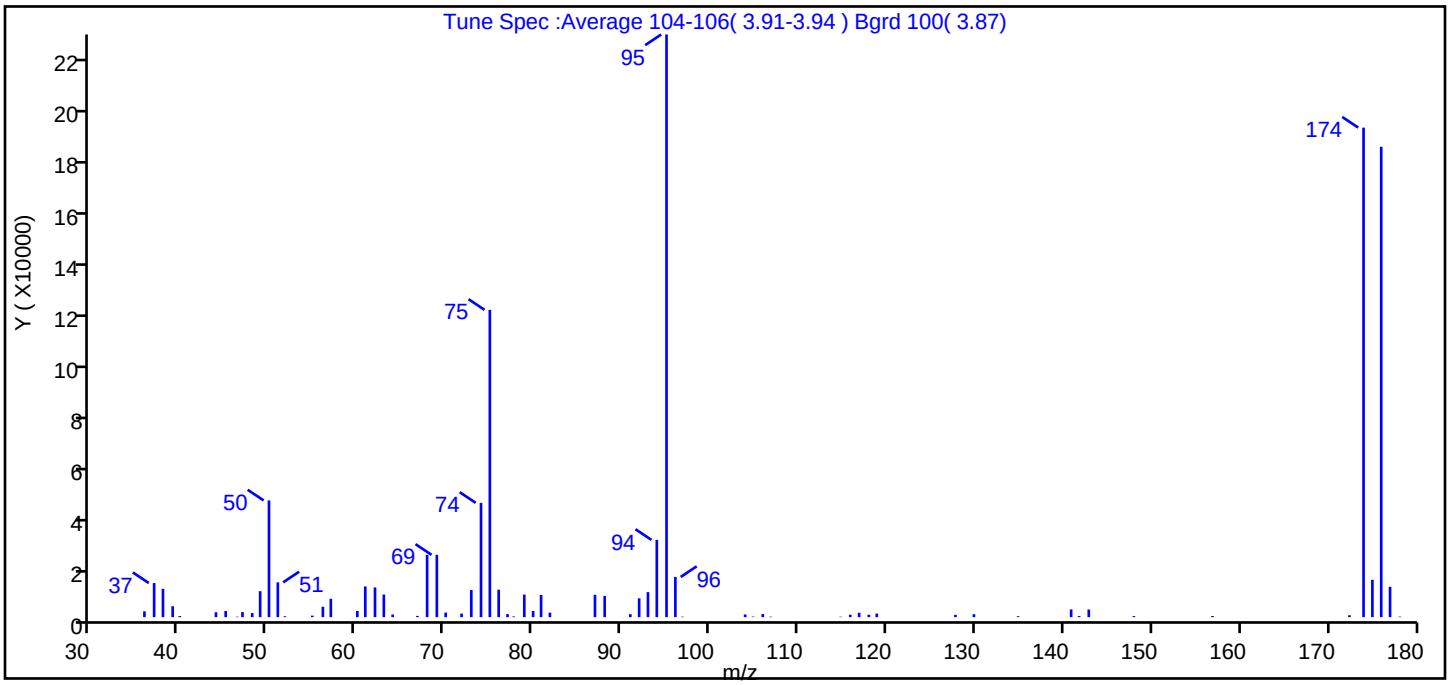
vmbfb_00027 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\BFB1334.D
Injection Date: 22-Jul-2021 10:38:30 Instrument ID: A3UX9
Lims ID: BFB
Client ID:
Operator ID: 001765 ALS Bottle#: 63 Worklist Smp#: 2
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260_9 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	20.0
75	30 to 60% of m/z 95	52.7
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	84.0
175	5 to 9% of m/z 174	6.4 (7.6)
176	Greater than 95% but less than 101% of m/z 174	80.7 (96.1)
177	5 to 9% of m/z 176	5.2 (6.5)

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\BFB1334.D\8260_9.rslt\spectra.d
Injection Date: 22-Jul-2021 10:38:30
Spectrum: Tune Spec :Average 104-106(3.91-3.94) Bgrd 100(3.87)
Base Peak: 95.05
Minimum % Base Peak: 0
Number of Points: 69

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2220	61.00	11792	82.00	1742	119.00	1380
37.00	13088	62.00	11414	87.00	8580	128.00	887
38.00	10878	63.00	8678	88.00	8147	130.00	1126
39.00	4186	64.00	1007	91.00	1136	135.00	359
40.00	414	67.00	478	92.00	7224	141.00	2973
44.00	1891	68.00	23928	93.00	9615	142.00	422
45.00	2353	69.00	23944	94.00	29672	143.00	2940
46.00	178	70.00	1749	95.00	223808	148.00	412
47.00	1941	72.00	1361	96.00	15429	157.00	434
48.00	1577	73.00	10417	97.00	182	172.00	737
49.00	9983	74.00	43904	104.00	1018	174.00	188032
50.00	44824	75.00	118032	105.00	208	175.00	14340
51.00	13367	76.00	10530	106.00	1187	176.00	180672
52.00	339	77.00	1168	107.00	177	177.00	11660
55.00	581	78.00	271	115.00	171	178.00	202
56.00	3999	79.00	8663	116.00	924		
57.00	7044	80.00	2358	117.00	1686		
60.00	2354	81.00	8536	118.00	928		

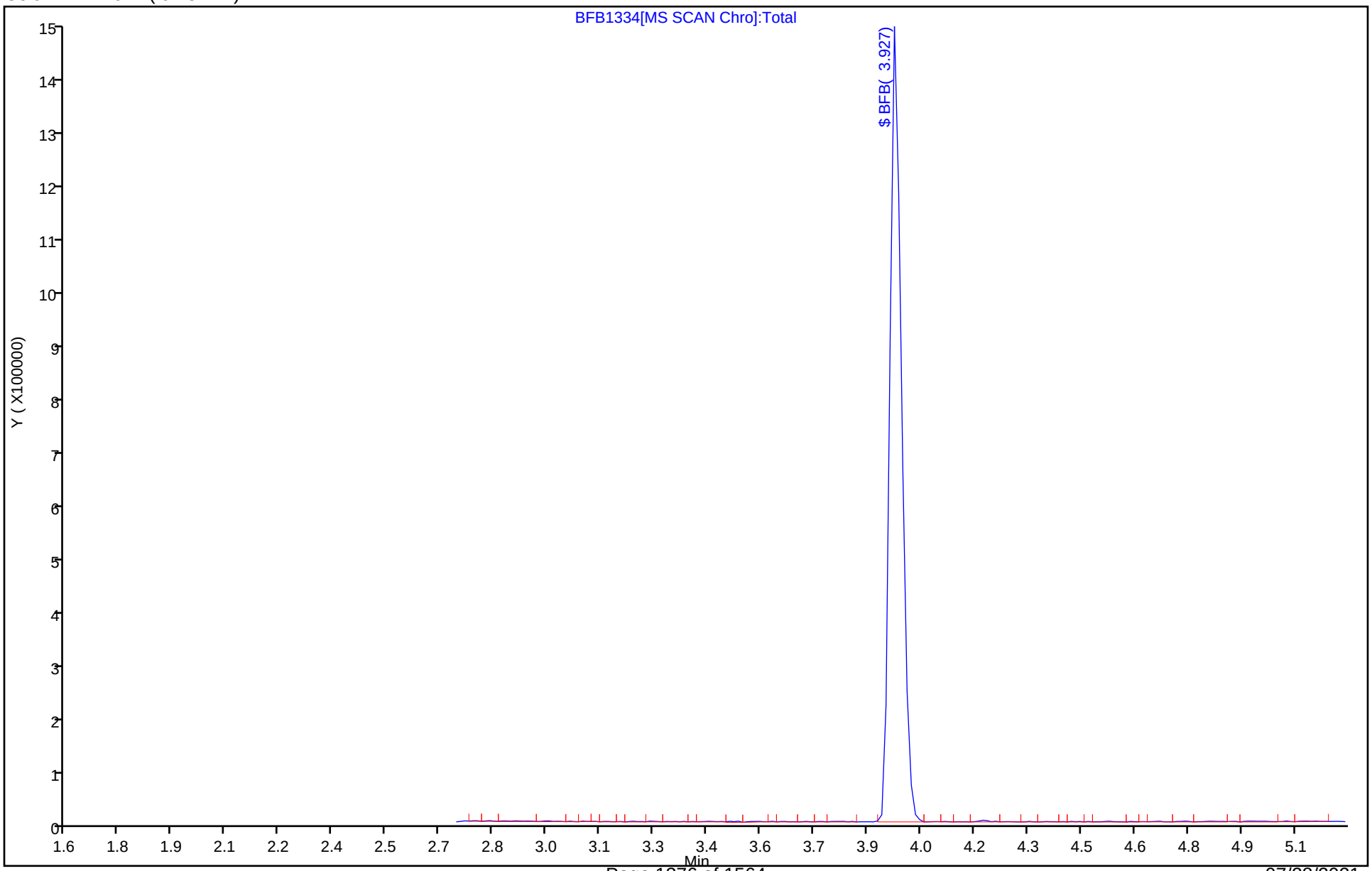
Report Date: 22-Jul-2021 10:55:20 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\BFB1334.D

Injection Date:	22-Jul-2021 10:38:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	BFB			Worklist Smp#:	2
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	63
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-495770/8

Matrix: Water Lab File ID: UX997003.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 12:16

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.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-495770/8

Matrix: Water Lab File ID: UX997003.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 12:16

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.: 495770 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-495770/8

Matrix: Water Lab File ID: UX997003.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 12:16

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.: 495770 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	101		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		75-130
2037-26-5	Toluene-d8 (Surr)	103		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-495770/8

Matrix: Water Lab File ID: UX997003.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 12:16

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.: 495770 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\A3UX9\20210720-111393.b\UX997003.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 20-Jul-2021 12:16:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111393-008
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Jul-2021 12:38:29 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1648

First Level Reviewer: bosworthh Date: 20-Jul-2021 12:38:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.880	5.879	0.001	99	596559	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.578	8.577	0.001	86	494741	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.814	10.813	0.001	96	256537	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.288	5.288	0.000	92	162841	16.3	16.4	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.584	5.584	0.000	99	195298	16.3	17.3	
$ 6 Toluene-d8 (Surr)	98	7.252	7.252	0.000	93	722629	16.3	16.9	
$ 7 4-Bromofluorobenzene (Surr)	95	9.678	9.678	0.000	90	264817	16.3	16.4	
9 Dichlorodifluoromethane	85		1.773					ND	
10 Chloromethane	50		1.963					ND	
11 Vinyl chloride	62		2.093					ND	
12 Butadiene	54		2.128					ND	
14 Ethylene oxide	43		2.386					ND	
13 Bromomethane	94		2.436					ND	
15 Chloroethane	64		2.554					ND	
16 Dichlorofluoromethane	67		2.756					ND	
17 Trichlorofluoromethane	101		2.827					ND	
18 Ethyl ether	59		3.099					ND	
19 Propene oxide	58		3.120					ND	
21 Acrolein	56		3.217					ND	
24 1,1-Dichloroethene	61		3.324					ND	
22 112TCTFE	101		3.335					ND	
23 Acetone	58		3.359					ND	
25 Iodomethane	142		3.477					ND	
20 Methylal	45		3.534					ND	
26 Carbon disulfide	76		3.548					ND	
27 Acetonitrile	41		3.607					ND	
28 3-Chloro-1-propene	41		3.655					ND	
29 Methyl acetate	43		3.667					ND	
30 Methylene Chloride	49		3.761					ND	
31 2-Methyl-2-propanol	59		3.856					ND	
32 Acrylonitrile	53		3.974					ND	
33 Methyl tert-butyl ether	73		4.022					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 trans-1,2-Dichloroethene	61		4.022					ND	
35 Hexane	57		4.270					ND	
36 1,1-Dichloroethane	63		4.389					ND	
37 Vinyl acetate	43		4.424					ND	
38 Isopropyl ether	87		4.447					ND	
39 2-Chloro-1,3-butadiene	53		4.471					ND	
40 Tert-butyl ethyl ether	59		4.755					ND	
41 2-Butanone (MEK)	72		4.886					ND	
42 2,2-Dichloropropane	77		4.897					ND	
43 cis-1,2-Dichloroethene	96		4.897					ND	
45 Propionitrile	54		4.933					ND	
44 Ethyl acetate	43		4.933					ND	
46 Methacrylonitrile	41		5.075					ND	
47 Chlorobromomethane	49		5.099					ND	
48 Tetrahydrofuran	42		5.146					ND	
49 Chloroform	83		5.158					ND	
50 1,1,1-Trichloroethane	97		5.335					ND	
51 Cyclohexane	84		5.394					ND	
52 1,1-Dichloropropene	75		5.477					ND	
53 Carbon tetrachloride	117		5.489					ND	
54 Isobutyl alcohol	41		5.513					ND	
56 1,2-Dichloroethane	62		5.655					ND	
55 Benzene	78		5.655					ND	
163 Isooctane	57		5.713					ND	
57 Tert-amyl methyl ether	73		5.725					ND	
58 n-Heptane	71		5.868					ND	U
59 n-Butanol	56		6.080					ND	
60 Trichloroethene	130		6.199					ND	
61 Ethyl acrylate	55		6.246					ND	
62 Methylcyclohexane	83		6.376					ND	
63 1,2-Dichloropropane	63		6.388					ND	
64 Methyl methacrylate	41		6.459					ND	
65 1,4-Dioxane	88		6.495					ND	
66 Dibromomethane	174		6.495					ND	
67 Dichlorobromomethane	83		6.613					ND	
68 2-Nitropropane	41		6.802					ND	
69 2-Chloroethyl vinyl ether	63		6.850					ND	
70 Epichlorohydrin	57		6.907					ND	
71 cis-1,3-Dichloropropene	75		7.004					ND	
72 4-Methyl-2-pentanone (MIBK)	43		7.122					ND	
73 Toluene	91	7.311	7.311	0.000	95	8277		0.1652	
74 trans-1,3-Dichloropropene	75		7.489					ND	
75 Ethyl methacrylate	69		7.548					ND	
76 1,1,2-Trichloroethane	97		7.654					ND	
77 1,3-Dichloropropane	76		7.808					ND	
78 Tetrachloroethene	166		7.820					ND	
80 2-Hexanone	43		7.867					ND	
79 Tetrahydrothiophene	60		7.955					ND	
81 n-Butyl acetate	43		7.974					ND	
82 Chlorodibromomethane	129		8.021					ND	
83 Ethylene Dibromide	107		8.151					ND	
84 1-Chlorohexane	91		8.553					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 Chlorobenzene	112		8.601					ND	
86 1,1,1,2-Tetrachloroethane	131		8.672					ND	
87 Ethylbenzene	106		8.696					ND	
88 m-Xylene & p-Xylene	106	8.802	8.802	0.000	97	5871		0.2459	
89 o-Xylene	106		9.181					ND	
90 Styrene	104		9.193					ND	
91 Bromoform	173		9.370					ND	
92 Isopropylbenzene	105		9.536					ND	
93 Cyclohexanone	55		9.618					ND	
99 3-Ethyltoluene	105		9.768					ND	
94 1,1,2,2-Tetrachloroethane	83		9.796					ND	
95 Bromobenzene	156		9.843					ND	
96 trans-1,4-Dichloro-2-butene	53		9.855					ND	
97 1,2,3-Trichloropropane	110		9.855					ND	
98 N-Propylbenzene	120		9.926					ND	
100 2-Chlorotoluene	126		10.021					ND	
103 2-Ethyltoluene	105		10.051					ND	
101 1,3,5-Trimethylbenzene	105		10.092					ND	
102 4-Chlorotoluene	126		10.127					ND	
104 tert-Butylbenzene	119		10.423					ND	
105 Pentachloroethane	167		10.447					ND	
106 1,2,4-Trimethylbenzene	105		10.459					ND	
107 sec-Butylbenzene	134		10.636					ND	
108 1,3-Dichlorobenzene	146		10.755					ND	
109 4-Isopropyltoluene	119		10.778					ND	
110 1,4-Dichlorobenzene	146		10.837					ND	
111 1,2,3-Trimethylbenzene	105		10.884					ND	
112 Benzyl chloride	126		10.967					ND	
113 n-Butylbenzene	91		11.181					ND	
114 1,2-Dichlorobenzene	146		11.216					ND	
115 1,2-Dibromo-3-Chloropropane	157		11.973					ND	
116 1,3,5-Trichlorobenzene	180		12.198					ND	
117 1,2,4-Trichlorobenzene	180		12.825					ND	
118 Hexachlorobutadiene	225		13.003					ND	
119 Naphthalene	128		13.086					ND	
120 1,2,3-Trichlorobenzene	180		13.358					ND	
121 2-Methylnaphthalene	142		14.505					ND	
162 1-Methylnaphthalene	142		14.789					ND	
123 1,4-Dichlorobutane	1		0.700					ND	
122 Butyl Methacrylate TIC	1		0.700					ND	
126 Isobutylene TIC	1		0.700					ND	
S 158 Total BTEX	1				0			0.4111	
S 128 1,2-Dichloroethene, Total	96		1.840					ND	
S 129 1,3-Dichloropropene, Total	75		7.460					ND	
S 130 Trihalomethanes, Total	83		16.700					ND	
S 131 Xylenes, Total	106				0			0.2459	

QC Flag Legend

Processing Flags

Review Flags
U - Marked Undetected

Reagents:

vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm40mL_vials_00016	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	1.63	Units: uL	Run Reagent

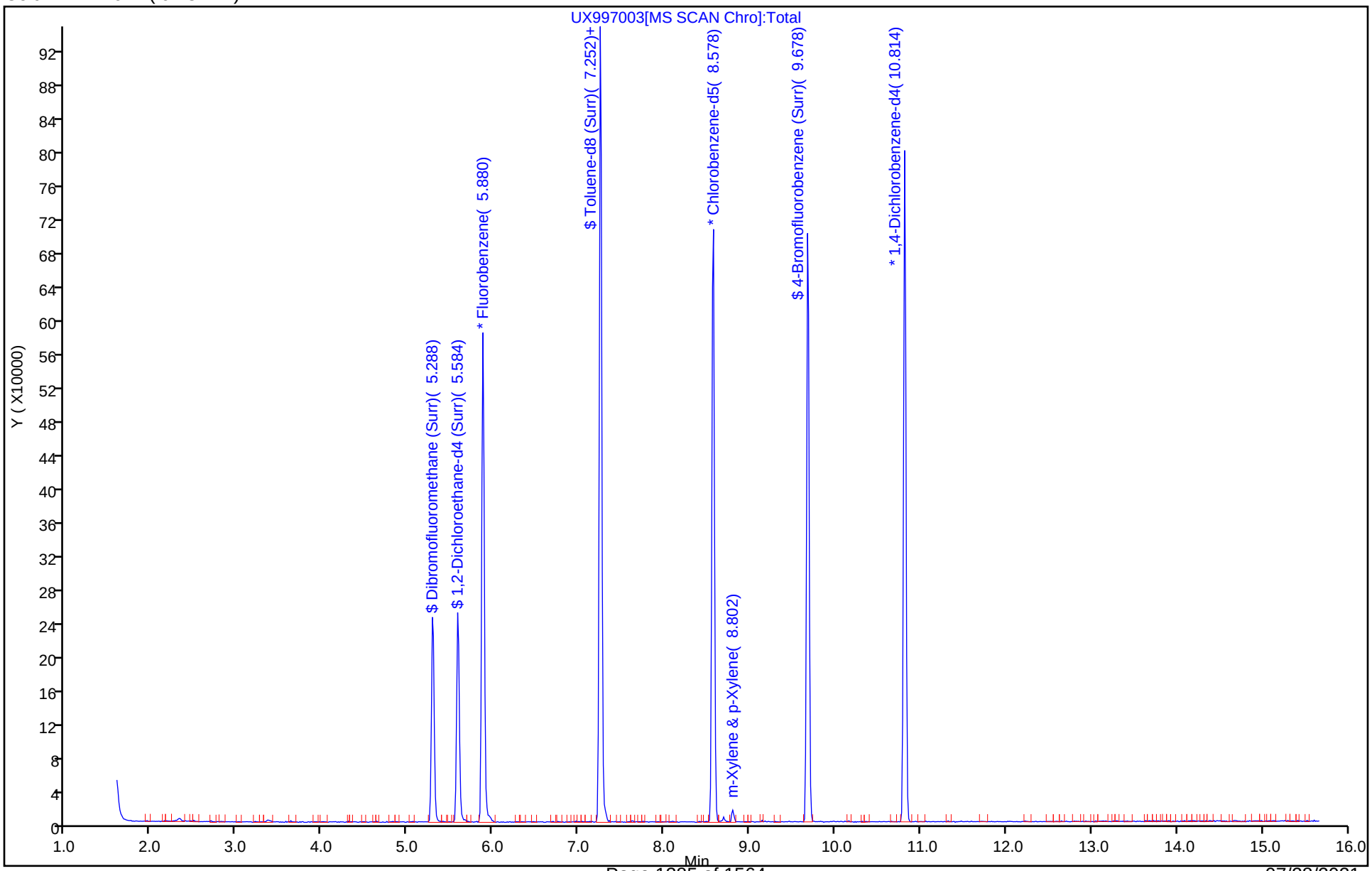
Report Date: 20-Jul-2021 12:38:29 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\UX997003.D

Injection Date:	20-Jul-2021 12:16:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\UX997003.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 20-Jul-2021 12:16:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111393-008
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Jul-2021 12:38:29 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1648

First Level Reviewer: bosworthh Date: 20-Jul-2021 12:38:29

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	16.3	16.4	100.64
$ 5 1,2-Dichloroethane-d4 (Surr)	16.3	17.3	105.80
$ 6 Toluene-d8 (Surr)	16.3	16.9	103.31
$ 7 4-Bromofluorobenzene (Surr)	16.3	16.4	100.35

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-495975/8

Matrix: Water Lab File ID: UX997036.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 13:02

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 495975 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-495975/8

Matrix: Water Lab File ID: UX997036.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 13:02

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 495975 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-495975/8

Matrix: Water Lab File ID: UX997036.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 13:02

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 495975 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	98		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		75-130
2037-26-5	Toluene-d8 (Surr)	97		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-495975/8

Matrix: Water Lab File ID: UX997036.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 13:02

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 495975 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\A3UX9\20210721-111430.b\UX997036.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 21-Jul-2021 13:02:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111430-008
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Jul-2021 13:27:53 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: bosworthh Date: 21-Jul-2021 13:27:53

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.876	5.880	-0.004	99	731332	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.574	8.578	-0.004	86	621957	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.822	10.815	0.007	95	324023	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.296	5.287	0.009	93	195183	16.3	16.1	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.592	5.583	0.009	99	222247	16.3	16.0	
$ 6 Toluene-d8 (Surr)	98	7.261	7.252	0.009	94	856707	16.3	15.9	
$ 7 4-Bromofluorobenzene (Surr)	95	9.686	9.677	0.009	92	325220	16.3	16.0	
9 Dichlorodifluoromethane	85		1.773					ND	
10 Chloromethane	50		1.962					ND	
11 Vinyl chloride	62		2.081					ND	
12 Butadiene	54		2.128					ND	
14 Ethylene oxide	43		2.386					ND	
13 Bromomethane	94		2.436					ND	
15 Chloroethane	64		2.542					ND	
16 Dichlorofluoromethane	67		2.755					ND	
17 Trichlorofluoromethane	101		2.814					ND	
18 Ethyl ether	59		3.098					ND	
19 Propene oxide	58		3.120					ND	
21 Acrolein	56		3.217					ND	
24 1,1-Dichloroethene	61		3.323					ND	
22 112TCTFE	101		3.335					ND	
23 Acetone	58	3.368	3.359	0.009	63	743		0.3959	
25 Iodomethane	142		3.477					ND	7
20 Methylal	45		3.534					ND	
26 Carbon disulfide	76		3.536					ND	7
27 Acetonitrile	41		3.620					ND	
28 3-Chloro-1-propene	41		3.654					ND	
29 Methyl acetate	43		3.666					ND	
30 Methylene Chloride	49		3.761					ND	
31 2-Methyl-2-propanol	59		3.844					ND	
32 Acrylonitrile	53		3.974					ND	
34 trans-1,2-Dichloroethene	61		4.021					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73		4.021					ND	
35 Hexane	57		4.270					ND	
36 1,1-Dichloroethane	63		4.388					ND	
37 Vinyl acetate	43		4.424					ND	
38 Isopropyl ether	87		4.449					ND	
39 2-Chloro-1,3-butadiene	53		4.472					ND	
40 Tert-butyl ethyl ether	59		4.756					ND	
41 2-Butanone (MEK)	72		4.885					ND	
43 cis-1,2-Dichloroethene	96		4.885					ND	
42 2,2-Dichloropropane	77		4.897					ND	
45 Propionitrile	54		4.934					ND	
44 Ethyl acetate	43		4.934					ND	
46 Methacrylonitrile	41		5.076					ND	
47 Chlorobromomethane	49		5.086					ND	
48 Tetrahydrofuran	42		5.145					ND	
49 Chloroform	83		5.157					ND	
50 1,1,1-Trichloroethane	97		5.335					ND	
51 Cyclohexane	84		5.394					ND	
52 1,1-Dichloropropene	75		5.477					ND	
53 Carbon tetrachloride	117		5.477					ND	
54 Isobutyl alcohol	41		5.512					ND	
56 1,2-Dichloroethane	62		5.654					ND	
55 Benzene	78		5.654					ND	
163 Isooctane	57		5.715					ND	
57 Tert-amyl methyl ether	73		5.726					ND	
58 n-Heptane	71		5.867					ND	U
59 n-Butanol	56		6.081					ND	
60 Trichloroethene	130		6.198					ND	
61 Ethyl acrylate	55		6.247					ND	
62 Methylcyclohexane	83		6.376					ND	
63 1,2-Dichloropropane	63		6.388					ND	
64 Methyl methacrylate	41		6.460					ND	
66 Dibromomethane	174		6.494					ND	
65 1,4-Dioxane	88		6.494					ND	
67 Dichlorobromomethane	83		6.613					ND	
68 2-Nitropropane	41		6.791					ND	
69 2-Chloroethyl vinyl ether	63		6.849					ND	
70 Epichlorohydrin	57		6.907					ND	
71 cis-1,3-Dichloropropene	75		7.003					ND	
72 4-Methyl-2-pentanone (MIBK)	43		7.121					ND	
73 Toluene	91		7.311					ND	7
74 trans-1,3-Dichloropropene	75		7.488					ND	
75 Ethyl methacrylate	69		7.547					ND	
76 1,1,2-Trichloroethane	97		7.654					ND	
77 1,3-Dichloropropane	76		7.808					ND	
78 Tetrachloroethene	166		7.820					ND	
80 2-Hexanone	43		7.867					ND	
79 Tetrahydrothiophene	60		7.955					ND	
81 n-Butyl acetate	43		7.975					ND	
82 Chlorodibromomethane	129		8.021					ND	
83 Ethylene Dibromide	107		8.151					ND	
84 1-Chlorohexane	91		8.555					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 Chlorobenzene	112		8.601					ND	
86 1,1,1,2-Tetrachloroethane	131		8.672					ND	
87 Ethylbenzene	106		8.695					ND	
88 m-Xylene & p-Xylene	106	8.811	8.802	0.009	93	3385		0.1128	
89 o-Xylene	106		9.180					ND	
90 Styrene	104		9.192					ND	
91 Bromoform	173		9.370					ND	
92 Isopropylbenzene	105		9.535					ND	
93 Cyclohexanone	55		9.619					ND	
99 3-Ethyltoluene	105		9.768					ND	
94 1,1,2,2-Tetrachloroethane	83		9.796					ND	
95 Bromobenzene	156		9.843					ND	
97 1,2,3-Trichloropropane	110		9.843					ND	
96 trans-1,4-Dichloro-2-butene	53		9.855					ND	
98 N-Propylbenzene	120		9.926					ND	
100 2-Chlorotoluene	126		10.020					ND	
103 2-Ethyltoluene	105		10.051					ND	
101 1,3,5-Trimethylbenzene	105		10.091					ND	
102 4-Chlorotoluene	126		10.127					ND	
104 tert-Butylbenzene	119		10.423					ND	
105 Pentachloroethane	167		10.448					ND	
106 1,2,4-Trimethylbenzene	105		10.470					ND	
107 sec-Butylbenzene	134		10.636					ND	
108 1,3-Dichlorobenzene	146		10.754					ND	
109 4-Isopropyltoluene	119		10.778					ND	
110 1,4-Dichlorobenzene	146		10.837					ND	
111 1,2,3-Trimethylbenzene	105		10.886					ND	
112 Benzyl chloride	126		10.968					ND	
113 n-Butylbenzene	91		11.180					ND	
114 1,2-Dichlorobenzene	146		11.216					ND	
115 1,2-Dibromo-3-Chloropropane	157		11.985					ND	
116 1,3,5-Trichlorobenzene	180		12.199					ND	
117 1,2,4-Trichlorobenzene	180		12.825					ND	
118 Hexachlorobutadiene	225		13.002					ND	
119 Naphthalene	128		13.085					ND	
120 1,2,3-Trichlorobenzene	180		13.357					ND	
121 2-Methylnaphthalene	142		14.506					ND	
162 1-Methylnaphthalene	142		14.790					ND	
123 1,4-Dichlorobutane	1		0.700					ND	
122 Butyl Methacrylate TIC	1		0.700					ND	
126 Isobutylene TIC	1		0.700					ND	
S 158 Total BTEX	1				0			0.1128	
S 128 1,2-Dichloroethene, Total	96		1.840					ND	
S 129 1,3-Dichloropropene, Total	75		7.460					ND	
S 130 Trihalomethanes, Total	83		16.700					ND	
S 131 Xylenes, Total	106				0			0.1128	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm40mL_vials_00016	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	1.63	Units: uL	Run Reagent

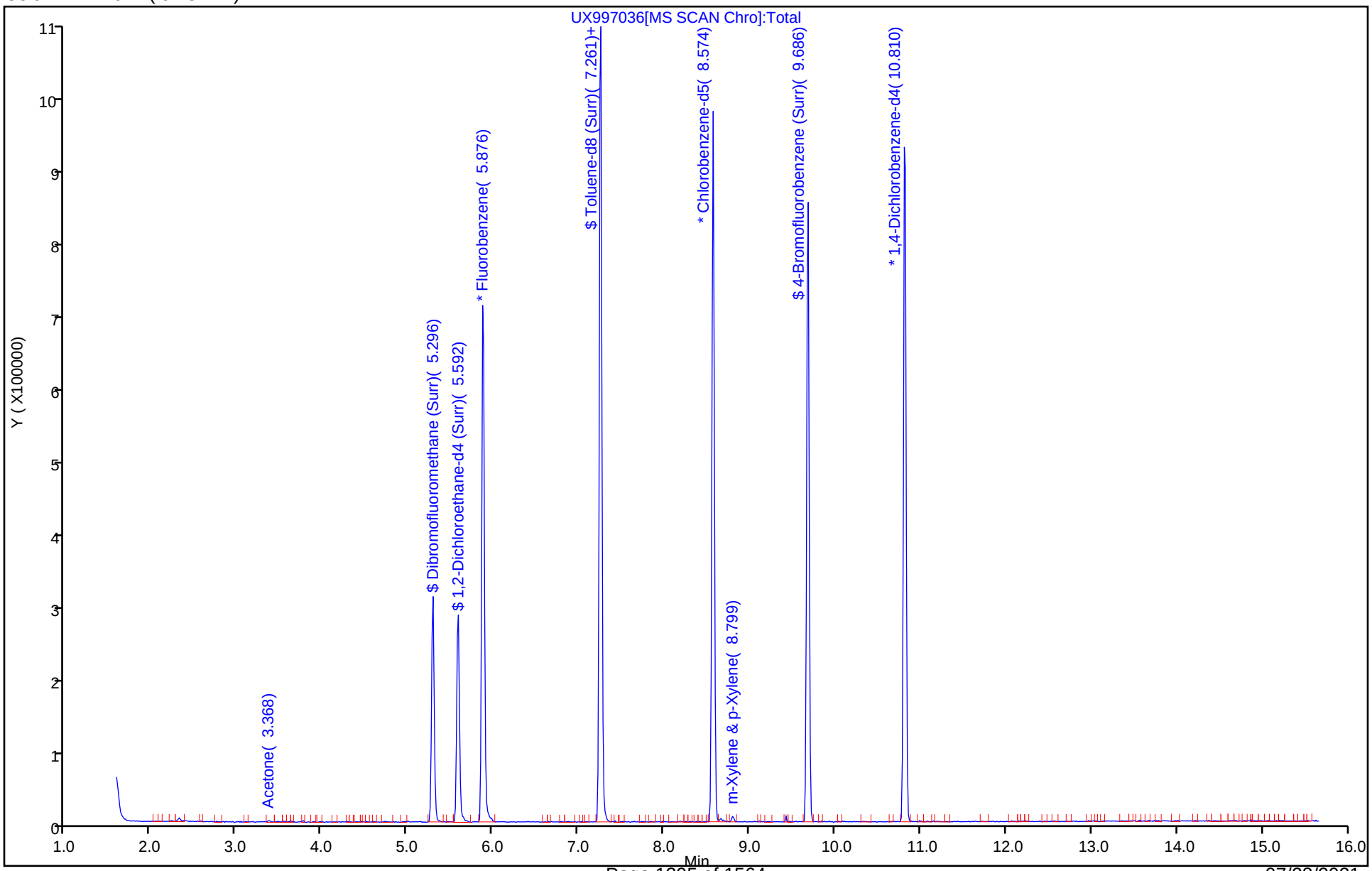
Report Date: 21-Jul-2021 13:27:54 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\UX997036.D

Injection Date:	21-Jul-2021 13:02:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\UX997036.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 21-Jul-2021 13:02:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111430-008
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Jul-2021 13:27:53 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: bosworthh Date: 21-Jul-2021 13:27:53

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	16.3	16.1	98.40
$ 5 1,2-Dichloroethane-d4 (Surr)	16.3	16.0	98.21
$ 6 Toluene-d8 (Surr)	16.3	15.9	97.43
$ 7 4-Bromofluorobenzene (Surr)	16.3	16.0	98.03

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-496159/8

Matrix: Water Lab File ID: UX997068.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 13:01

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-496159/8

Matrix: Water Lab File ID: UX997068.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 13:01

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-496159/8

Matrix: Water Lab File ID: UX997068.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 13:01

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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)	104		47-134
1868-53-7	Dibromofluoromethane (Surr)	100		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		75-130
2037-26-5	Toluene-d8 (Surr)	104		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-496159/8

Matrix: Water Lab File ID: UX997068.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 13:01

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496159 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\A3UX9\20210722-111471.b\UX997068.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 22-Jul-2021 13:01:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111471-008
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Jul-2021 19:41:54 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: bosworthh Date: 22-Jul-2021 14:11:10

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.877	5.877	0.000	99	719872	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.575	8.575	0.000	86	589599	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.811	10.823	-0.012	95	310185	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.297	5.287	0.010	92	195664	16.3	16.4	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.581	5.582	-0.001	99	220880	16.3	16.2	
$ 6 Toluene-d8 (Surr)	98	7.261	7.251	0.010	93	863661	16.3	16.9	
$ 7 4-Bromofluorobenzene (Surr)	95	9.687	9.677	0.010	93	326017	16.3	16.9	
9 Dichlorodifluoromethane	85		1.760					ND	
10 Chloromethane	50		1.962					ND	
11 Vinyl chloride	62		2.080					ND	
12 Butadiene	54		2.127					ND	
14 Ethylene oxide	43		2.386					ND	
13 Bromomethane	94		2.435					ND	
15 Chloroethane	64		2.541					ND	
16 Dichlorofluoromethane	67		2.743					ND	
17 Trichlorofluoromethane	101		2.814					ND	
18 Ethyl ether	59		3.097					ND	
19 Propene oxide	58		3.120					ND	
21 Acrolein	56		3.216					ND	
24 1,1-Dichloroethene	61		3.322					ND	
22 112TCTFE	101		3.322					ND	
23 Acetone	58	3.380	3.358	0.022	99	1977		1.07	
25 Iodomethane	142		3.464					ND	
20 Methylal	45		3.534					ND	
26 Carbon disulfide	76		3.535					ND	
27 Acetonitrile	41		3.617					ND	
28 3-Chloro-1-propene	41		3.654					ND	
29 Methyl acetate	43		3.665					ND	
30 Methylene Chloride	49		3.760					ND	
31 2-Methyl-2-propanol	59		3.843					ND	
32 Acrylonitrile	53		3.973					ND	
33 Methyl tert-butyl ether	73		4.009					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 trans-1,2-Dichloroethene	61		4.020					ND	
35 Hexane	57		4.269					ND	
36 1,1-Dichloroethane	63		4.387					ND	
37 Vinyl acetate	43		4.423					ND	
38 Isopropyl ether	87		4.445					ND	
39 2-Chloro-1,3-butadiene	53		4.480					ND	
40 Tert-butyl ethyl ether	59		4.753					ND	
43 cis-1,2-Dichloroethene	96		4.884					ND	
41 2-Butanone (MEK)	72		4.884					ND	
42 2,2-Dichloropropane	77		4.896					ND	
45 Propionitrile	54		4.930					ND	
44 Ethyl acetate	43		4.930					ND	
46 Methacrylonitrile	41		5.072					ND	
47 Chlorobromomethane	49		5.085					ND	
48 Tetrahydrofuran	42		5.145					ND	
49 Chloroform	83		5.156					ND	
50 1,1,1-Trichloroethane	97		5.334					ND	
51 Cyclohexane	84		5.393					ND	
53 Carbon tetrachloride	117		5.476					ND	
52 1,1-Dichloropropene	75		5.476					ND	
54 Isobutyl alcohol	41		5.511					ND	
56 1,2-Dichloroethane	62		5.653					ND	
55 Benzene	78		5.653					ND	
163 Isooctane	57		5.723					ND	
57 Tert-amyl methyl ether	73		5.735					ND	
58 n-Heptane	71		5.855					ND	U
59 n-Butanol	56		6.078					ND	
60 Trichloroethene	130		6.198					ND	
61 Ethyl acrylate	55		6.255					ND	
62 Methylcyclohexane	83		6.375					ND	
63 1,2-Dichloropropane	63		6.387					ND	
64 Methyl methacrylate	41		6.456					ND	
65 1,4-Dioxane	88		6.494					ND	
66 Dibromomethane	174		6.494					ND	
67 Dichlorobromomethane	83		6.612					ND	
68 2-Nitropropane	41		6.800					ND	
69 2-Chloroethyl vinyl ether	63		6.848					ND	
70 Epichlorohydrin	57		6.907					ND	
71 cis-1,3-Dichloropropene	75		7.002					ND	
72 4-Methyl-2-pentanone (MIBK)	43		7.121					ND	
73 Toluene	91		7.310					ND	7
74 trans-1,3-Dichloropropene	75		7.487					ND	
75 Ethyl methacrylate	69		7.547					ND	
76 1,1,2-Trichloroethane	97		7.653					ND	
77 1,3-Dichloropropane	76		7.807					ND	
78 Tetrachloroethene	166		7.819					ND	
80 2-Hexanone	43		7.866					ND	
79 Tetrahydrothiophene	60		7.955					ND	
81 n-Butyl acetate	43		7.971					ND	
82 Chlorodibromomethane	129		8.032					ND	
83 Ethylene Dibromide	107		8.150					ND	
84 1-Chlorohexane	91		8.551					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 Chlorobenzene	112		8.600					ND	
86 1,1,1,2-Tetrachloroethane	131		8.671					ND	
87 Ethylbenzene	106		8.694					ND	
88 m-Xylene & p-Xylene	106		8.801					ND	7
89 o-Xylene	106		9.180					ND	
90 Styrene	104		9.191					ND	
91 Bromoform	173		9.369					ND	
92 Isopropylbenzene	105		9.535					ND	
93 Cyclohexanone	55		9.616					ND	
99 3-Ethyltoluene	105		9.768					ND	
94 1,1,2,2-Tetrachloroethane	83		9.795					ND	
95 Bromobenzene	156		9.842					ND	
97 1,2,3-Trichloropropane	110		9.854					ND	
96 trans-1,4-Dichloro-2-butene	53		9.854					ND	
98 N-Propylbenzene	120		9.925					ND	
100 2-Chlorotoluene	126		10.020					ND	
103 2-Ethyltoluene	105		10.051					ND	
101 1,3,5-Trimethylbenzene	105		10.091					ND	
102 4-Chlorotoluene	126		10.126					ND	
104 tert-Butylbenzene	119		10.422					ND	
105 Pentachloroethane	167		10.444					ND	
106 1,2,4-Trimethylbenzene	105		10.469					ND	
107 sec-Butylbenzene	134		10.635					ND	
108 1,3-Dichlorobenzene	146		10.753					ND	
109 4-Isopropyltoluene	119		10.777					ND	
110 1,4-Dichlorobenzene	146		10.836					ND	
111 1,2,3-Trimethylbenzene	105		10.882					ND	
112 Benzyl chloride	126		10.965					ND	
113 n-Butylbenzene	91		11.179					ND	
114 1,2-Dichlorobenzene	146		11.215					ND	
115 1,2-Dibromo-3-Chloropropane	157		11.984					ND	
116 1,3,5-Trichlorobenzene	180		12.207					ND	
117 1,2,4-Trichlorobenzene	180		12.824					ND	
118 Hexachlorobutadiene	225		13.002					ND	
119 Naphthalene	128		13.084					ND	
120 1,2,3-Trichlorobenzene	180		13.357					ND	
121 2-Methylnaphthalene	142		14.503					ND	
162 1-Methylnaphthalene	142		14.787					ND	
123 1,4-Dichlorobutane	1		0.700					ND	
122 Butyl Methacrylate TIC	1		0.700					ND	
126 Isobutylene TIC	1		0.700					ND	
S 158 Total BTEX	1		0.400					ND	
S 128 1,2-Dichloroethene, Total	96		1.840					ND	
S 129 1,3-Dichloropropene, Total	75		7.460					ND	
S 130 Trihalomethanes, Total	83		16.700					ND	
S 131 Xylenes, Total	106		17.230					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm40mL_vials_00016	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	1.63	Units: uL	Run Reagent

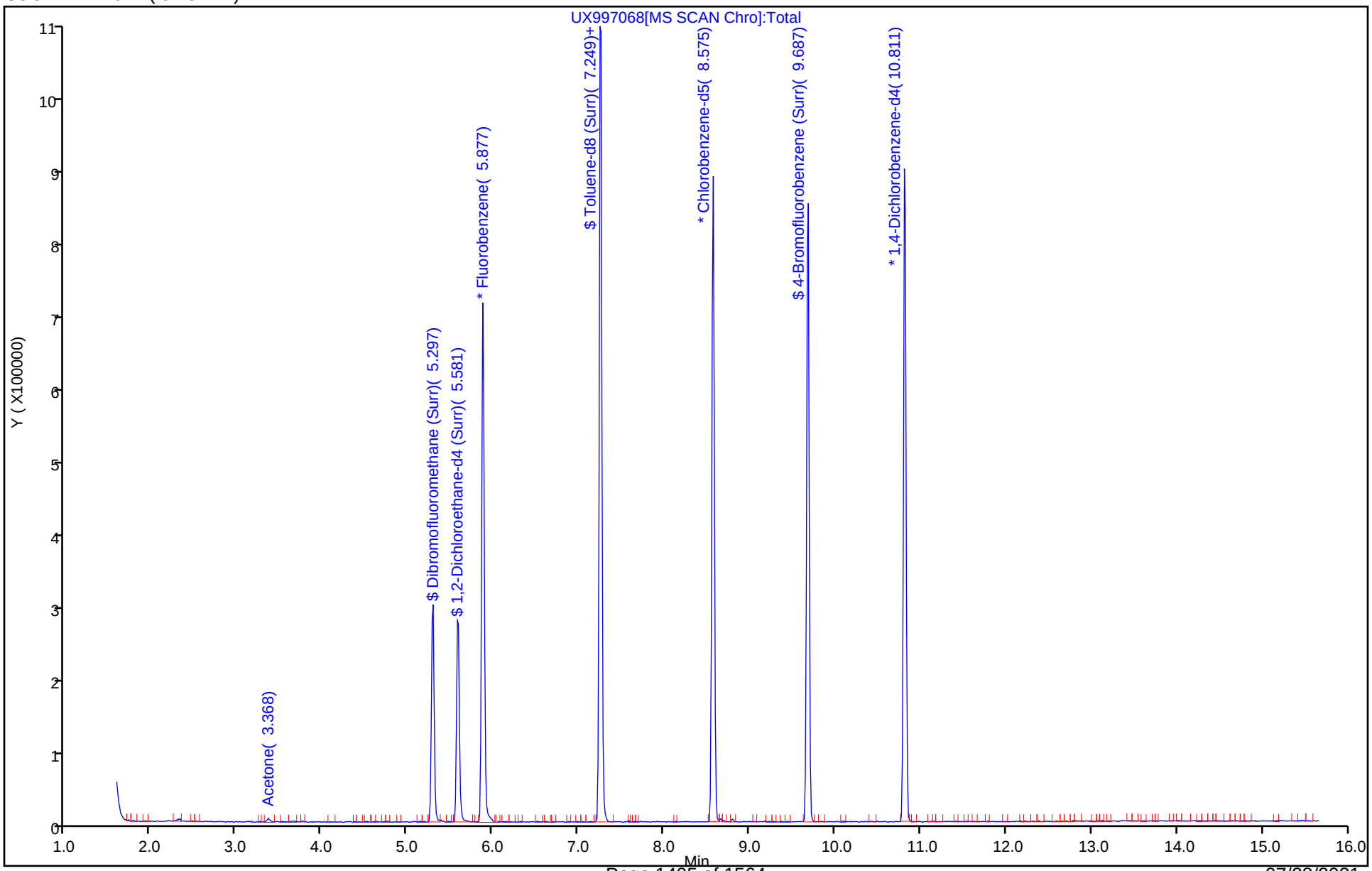
Report Date: 26-Jul-2021 08:42:23 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997068.D

Injection Date:	22-Jul-2021 13:01:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997068.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 22-Jul-2021 13:01:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111471-008
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Jul-2021 19:41:54 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: bosworthh Date: 22-Jul-2021 14:11:10

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	16.3	16.4	100.21
$ 5 1,2-Dichloroethane-d4 (Surr)	16.3	16.2	99.16
$ 6 Toluene-d8 (Surr)	16.3	16.9	103.61
$ 7 4-Bromofluorobenzene (Surr)	16.3	16.9	103.66

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-496393/8

Matrix: Water Lab File ID: U1923147.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 17:12

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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-496393/8

Matrix: Water Lab File ID: U1923147.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 17:12

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.: 496393 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-496393/8

Matrix: Water Lab File ID: U1923147.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 17:12

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.: 496393 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)	108		47-134
1868-53-7	Dibromofluoromethane (Surr)	93		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		75-130
2037-26-5	Toluene-d8 (Surr)	104		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-496393/8

Matrix: Water Lab File ID: U1923147.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 17:12

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.: 496393 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

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

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923147.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 23-Jul-2021 17:12:12 ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111514-008
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Jul-2021 17:51:18 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: laveyt Date: 23-Jul-2021 17:51:18

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	644631	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.464	8.464	0.000	86	464962	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	96	236383	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.404	5.416	-0.012	92	169885	20.0	18.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	97	210711	20.0	19.4	
$ 6 Toluene-d8 (Surr)	98	7.207	7.206	0.001	94	582279	20.0	20.7	
$ 7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	90	224566	20.0	21.7	
9 Dichlorodifluoromethane	85		2.072					ND	
10 Chloromethane	50		2.297					ND	
14 1-Chloro-1-fluoroethane TIC	47		2.315					ND	
12 Vinyl chloride	62		2.427					ND	
11 Butadiene	54		2.451					ND	
13 Bromomethane	94		2.783					ND	7
15 Chloroethane	64		2.878					ND	
16 Dichlorofluoromethane	67		3.080					ND	
17 Trichlorofluoromethane	101		3.127					ND	
23 Methylal	45		3.192					ND	
18 Ethyl ether	59		3.364					ND	
19 Acrolein	56		3.495					ND	
20 1,1-Dichloroethene	61		3.590					ND	
21 112TCTFE	101		3.601					ND	
22 Acetone	43		3.613					ND	
24 Iodomethane	142		3.732					ND	
25 Carbon disulfide	76		3.803					ND	7
26 Acetonitrile	41		3.850					ND	
28 Methyl acetate	43		3.874					ND	7
27 3-Chloro-1-propene	41		3.898					ND	
29 Methylene Chloride	49	4.005	4.005	0.000	63	1617		0.1479	
30 2-Methyl-2-propanol	59		4.064					ND	
31 Acrylonitrile	53	4.206	4.194	0.012	46	858		0.1736	
33 Methyl tert-butyl ether	73		4.218					ND	
32 trans-1,2-Dichloroethene	61		4.230					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		4.455					ND	
36 Vinyl acetate	43		4.562					ND	
37 Isopropyl ether	87		4.586					ND	
35 1,1-Dichloroethane	63		4.586					ND	
38 2-Chloro-1,3-butadiene	53		4.645					ND	
39 Tert-butyl ethyl ether	59		4.870					ND	
40 2-Butanone (MEK)	72		5.013					ND	
44 Ethyl acetate	43		5.024					ND	
41 cis-1,2-Dichloroethene	96		5.036					ND	
42 2,2-Dichloropropane	77		5.048					ND	
43 Propionitrile	54		5.060					ND	
45 Methacrylonitrile	41		5.178					ND	
46 Chlorobromomethane	49		5.226					ND	
47 Tetrahydrofuran	42		5.238					ND	
48 Chloroform	83		5.285					ND	
49 1,1,1-Trichloroethane	97		5.440					ND	
50 Cyclohexane	84		5.511					ND	
51 1,1-Dichloropropene	75		5.558					ND	
53 Isobutyl alcohol	41		5.558					ND	
52 Carbon tetrachloride	117		5.570					ND	
54 Benzene	78		5.724					ND	
55 1,2-Dichloroethane	62		5.748					ND	
56 Tert-amyl methyl ether	73		5.783					ND	
57 n-Heptane	57		5.914					ND	
58 n-Butanol	56		6.068					ND	
59 Trichloroethene	130		6.222					ND	
60 Ethyl acrylate	55		6.234					ND	
63 Methyl methacrylate	41		6.424					ND	
61 Methylcyclohexane	83		6.424					ND	
62 1,2-Dichloropropane	63		6.436					ND	
65 1,4-Dioxane	88		6.471					ND	
64 Dibromomethane	174		6.507					ND	
66 Dichlorobromomethane	83		6.625					ND	
67 2-Nitropropane	41		6.791					ND	
68 2-Chloroethyl vinyl ether	63		6.815					ND	
69 cis-1,3-Dichloropropene	75		6.969					ND	
70 4-Methyl-2-pentanone (MIBK)	43		7.076					ND	
71 Toluene	91		7.266					ND	
72 trans-1,3-Dichloropropene	75		7.432					ND	
73 Ethyl methacrylate	69		7.444					ND	
74 1,1,2-Trichloroethane	97		7.598					ND	
75 Tetrachloroethene	166		7.705					ND	
76 1,3-Dichloropropane	76		7.752					ND	
77 2-Hexanone	43		7.764					ND	U
78 n-Butyl acetate	43		7.835					ND	
79 Chlorodibromomethane	129		7.942					ND	
80 Tetrahydrothiophene	60		8.031					ND	
81 Ethylene Dibromide	107		8.060					ND	
82 1-Chlorohexane	91		8.428					ND	7
83 Chlorobenzene	112		8.487					ND	
84 1,1,1,2-Tetrachloroethane	131		8.547					ND	
85 Ethylbenzene	106		8.547					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
86 m-Xylene & p-Xylene	106		8.665					ND	
87 o-Xylene	106		9.009					ND	
88 Styrene	104		9.021					ND	
89 Bromoform	173		9.211					ND	
90 Isopropylbenzene	105		9.341					ND	
91 Cyclohexanone	55		9.448					ND	
93 1,1,2,2-Tetrachloroethane	83		9.602					ND	
97 trans-1,4-Dichloro-2-butene	53		9.638					ND	
95 Bromobenzene	156		9.661					ND	
96 1,2,3-Trichloropropane	110		9.673					ND	
98 N-Propylbenzene	120		9.721					ND	
92 1,4-Dichlorobutane	55		9.726					ND	
100 2-Chlorotoluene	126		9.815					ND	
101 1,3,5-Trimethylbenzene	105		9.875					ND	
102 4-Chlorotoluene	126		9.934					ND	
94 3-Ethyltoluene	105		10.141					ND	
103 tert-Butylbenzene	119		10.183					ND	
104 Pentachloroethane	167		10.218					ND	
105 1,2,4-Trimethylbenzene	105		10.230					ND	
106 sec-Butylbenzene	105		10.385					ND	
99 2-Ethyltoluene	105		10.450					ND	
108 4-Isopropyltoluene	119		10.515					ND	
107 1,3-Dichlorobenzene	146		10.515					ND	7
109 1,4-Dichlorobenzene	146		10.610					ND	
110 1,2,3-Trimethylbenzene	105		10.622					ND	
111 Benzyl chloride	91		10.705					ND	
112 n-Butylbenzene	91		10.906					ND	7
113 1,2-Dichlorobenzene	146		10.954					ND	
114 1,2-Dibromo-3-Chloropropane	157		11.689					ND	
115 1,3,5-Trichlorobenzene	180		11.867					ND	
116 1,2,4-Trichlorobenzene	180		12.484					ND	7
117 Hexachlorobutadiene	225		12.614					ND	U
118 Naphthalene	128		12.756					ND	7
119 1,2,3-Trichlorobenzene	180		12.994					ND	7
120 2-Methylnaphthalene	142		14.120					ND	7
168 1-Methylnaphthalene	142		14.381					ND	7
122 Ethylene oxide	1		0.090					ND	
123 Propene oxide	1		0.090					ND	
121 Epichlorohydrin	1		0.090					ND	
169 Isooctane	57		0.100					ND	
S 124 Total BTEX	1		0.090					ND	
S 125 Trihalomethanes, Total	1		0.090					ND	
S 126 1,2-Dichloroethene, Total	96		1.230					ND	
S 127 1,3-Dichloropropene, Total	75		6.850					ND	
S 128 Xylenes, Total	106		16.620					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags
U - Marked Undetected

Reagents:

vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00008	Amount Added:	2.00	Units: uL	Run Reagent

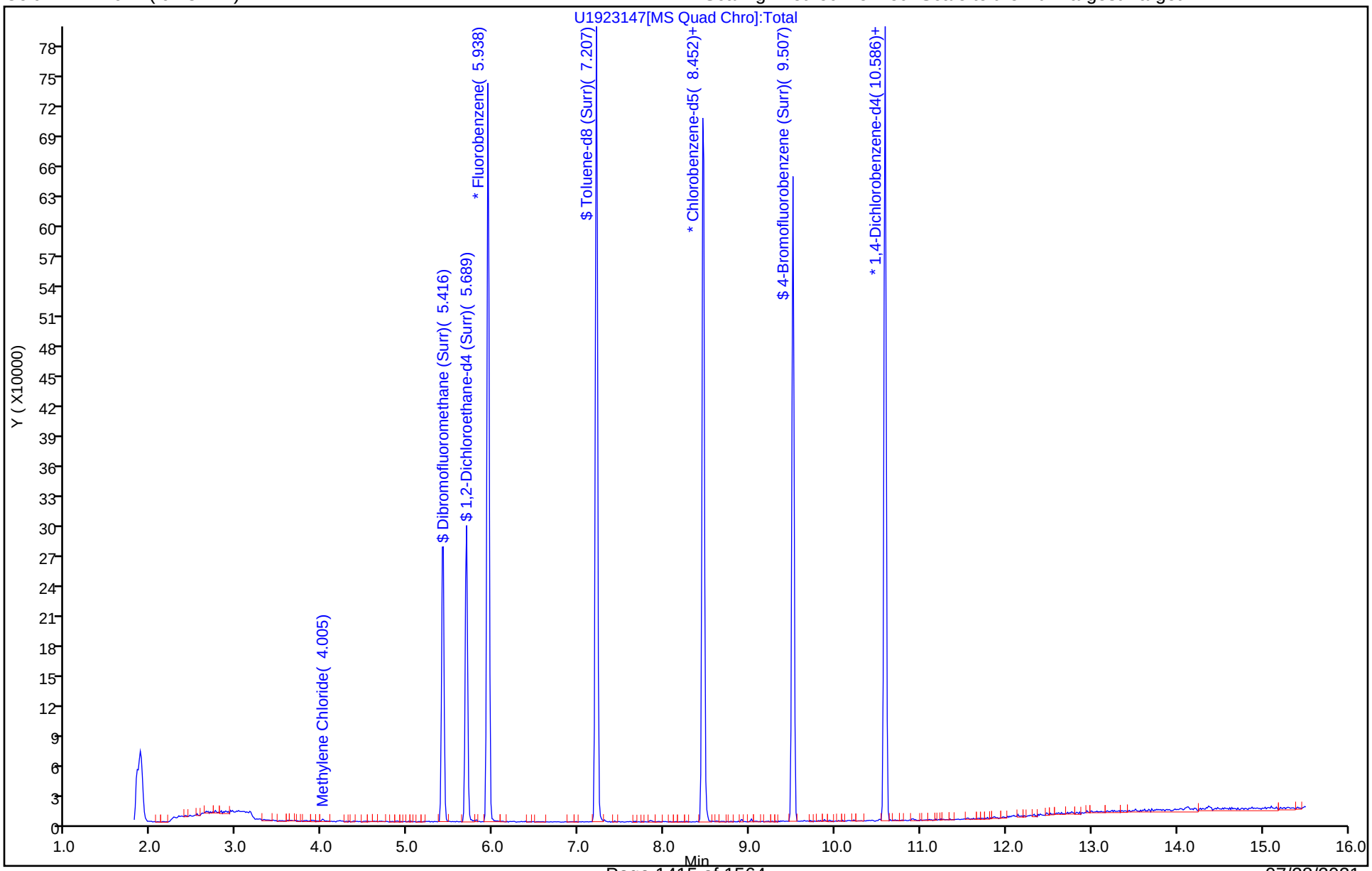
Report Date: 23-Jul-2021 17:51:18 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923147.d

Injection Date:	23-Jul-2021 17:12:12	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923147.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 23-Jul-2021 17:12:12 ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111514-008
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Jul-2021 17:51:18 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: laveyt Date: 23-Jul-2021 17:51:18

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	18.6	92.98
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	19.4	97.22
$ 6 Toluene-d8 (Surr)	20.0	20.7	103.57
$ 7 4-Bromofluorobenzene (Surr)	20.0	21.7	108.35

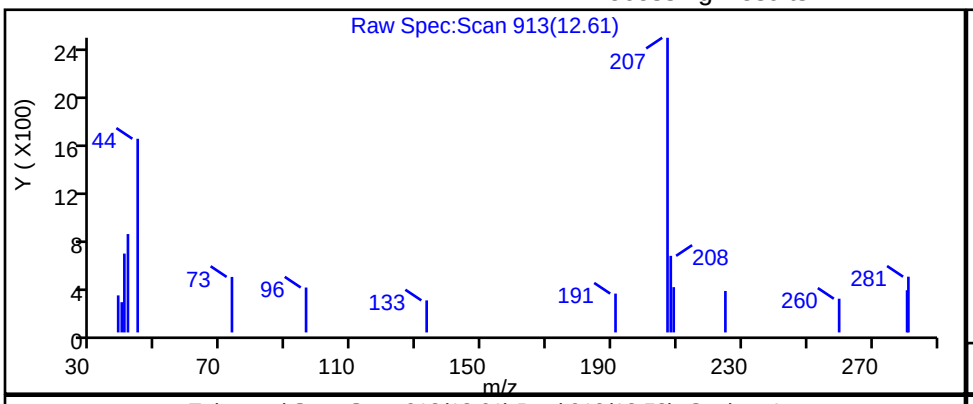
User Disabled Compound Report

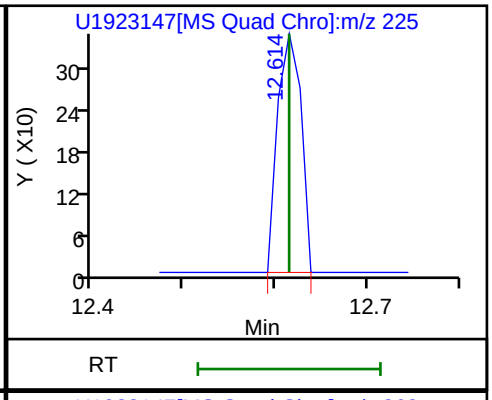
Eurofins TestAmerica, Canton

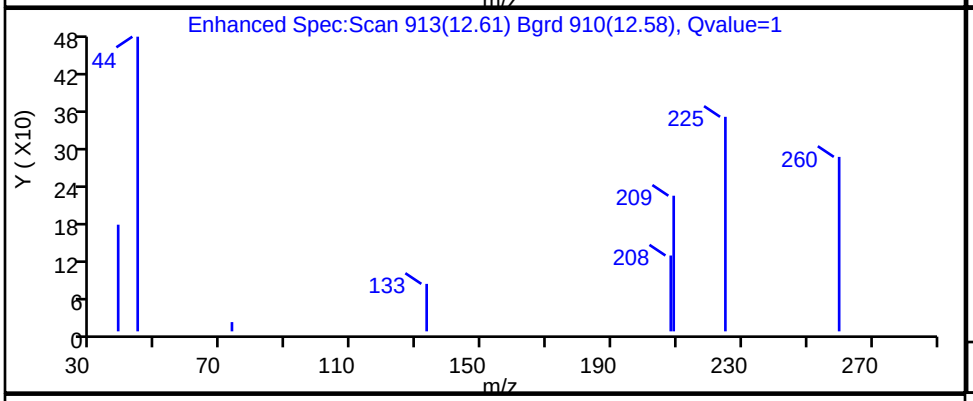
Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923147.d
Injection Date: 23-Jul-2021 17:12:12 Instrument ID: A3UX19
Lims ID: MB
Client ID:
Operator ID: 001904 ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_19 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

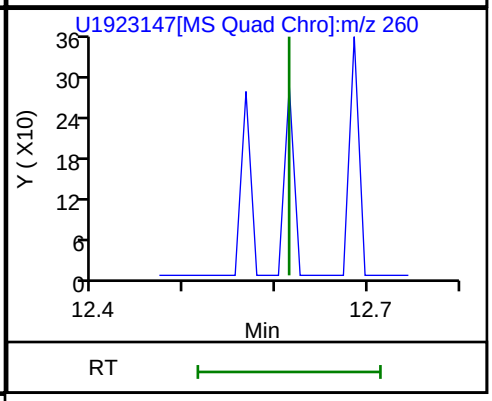
117 Hexachlorobutadiene, CAS: 87-68-3

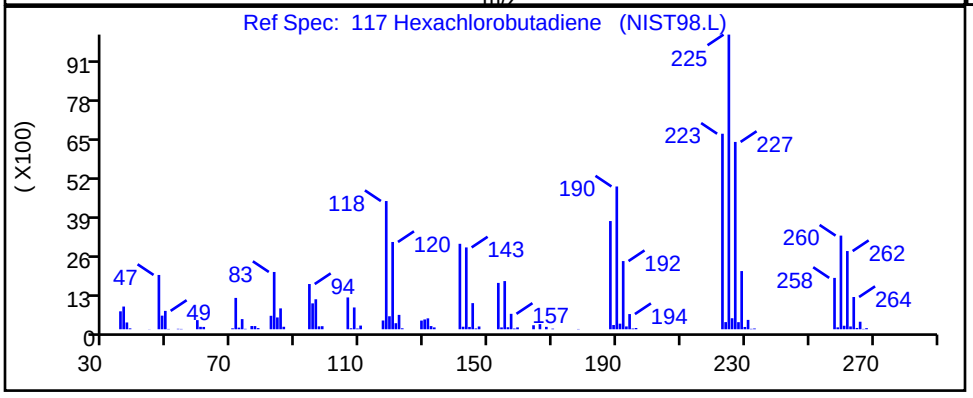
Processing Results











RT	Mass	Response	Amount
12.61	225.00	620	0.135969
12.61	260.00	0	

Reviewer: laveyt, 23-Jul-2021 17:51:09
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

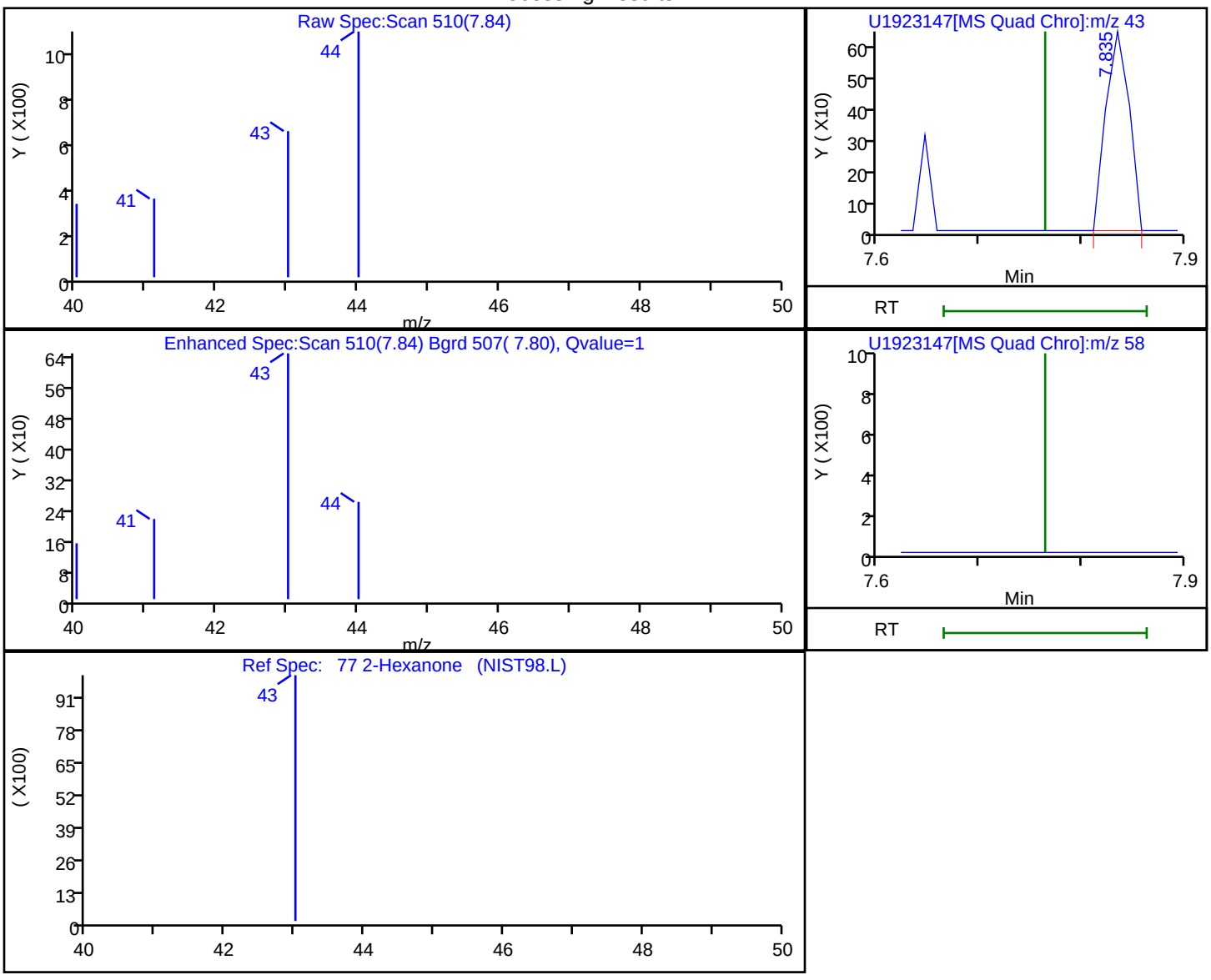
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923147.d				
Injection Date:	23-Jul-2021 17:12:12	Instrument ID:	A3UX19		
Lims ID:	MB				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

77 2-Hexanone, CAS: 591-78-6

Processing Results



RT	Mass	Response	Amount
7.84	43.00	1031	0.106285
7.76	58.00	0	

Reviewer: laveyt, 23-Jul-2021 17:50:58

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-496537/8

Matrix: Water Lab File ID: UXM38834.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 13:29

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.: 496537 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-496537/8

Matrix: Water Lab File ID: UXM38834.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 13:29

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.: 496537 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-496537/8

Matrix: Water Lab File ID: UXM38834.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 13:29

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.: 496537 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		47-134
1868-53-7	Dibromofluoromethane (Surr)	113		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		75-130
2037-26-5	Toluene-d8 (Surr)	93		69-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-496537/8

Matrix: Water Lab File ID: UXM38834.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 13:29

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.: 496537 Units: ug/L

Number TICs Found: 1 TIC Result Total: 3.93

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	1.54	3.93	T J	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\UXM38834.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 26-Jul-2021 13:29:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111551-008
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jul-2021 13:51:13 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: bosworthh Date: 26-Jul-2021 13:51:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.846	5.845	0.001	99	766984	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	86	733762	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	95	430315	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.265	5.265	0.001	93	239331	22.7	25.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	267014	22.7	24.3	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	947172	22.7	21.2	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	91	391858	22.7	22.8	
9 Dichlorodifluoromethane	85		1.707					ND	
10 Chloromethane	50		1.897					ND	
11 Vinyl chloride	62		2.015					ND	
12 Butadiene	54		2.051					ND	
13 Bromomethane	94		2.347					ND	7
14 Chloroethane	64		2.478					ND	
123 Ethylene oxide	44	2.561	2.537	0.024	32	1813		NC	
15 Dichlorofluoromethane	67		2.703					ND	
16 Trichlorofluoromethane	101		2.727					ND	
17 Ethyl ether	59		3.011					ND	
18 Acrolein	56		3.154					ND	
120 Propene oxide	58		3.203					ND	
19 1,1-Dichloroethene	96		3.237					ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.249					ND	
21 Acetone	58		3.284					ND	
23 Iodomethane	142	3.391	3.391	0.000	90	4993		0.4415	
24 Carbon disulfide	76		3.450					ND	
25 Acetonitrile	41		3.557					ND	
27 Methyl acetate	43		3.569					ND	
26 3-Chloro-1-propene	41		3.592					ND	
22 Methylal	45		3.629					ND	
28 Methylene Chloride	84		3.711					ND	
29 2-Methyl-2-propanol	59		3.794					ND	
30 Acrylonitrile	53		3.925					ND	
31 Methyl tert-butyl ether	73		3.936					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 trans-1,2-Dichloroethene	96		3.960					ND	
33 Hexane	57		4.197					ND	
35 Vinyl acetate	43		4.340					ND	
34 1,1-Dichloroethane	63		4.351					ND	
36 Isopropyl ether	87		4.363					ND	
37 2-Chloro-1,3-butadiene	53		4.411					ND	
38 Tert-butyl ethyl ether	59		4.683					ND	
40 2-Butanone (MEK)	72		4.826					ND	
39 cis-1,2-Dichloroethene	96		4.849					ND	
41 2,2-Dichloropropane	77		4.849					ND	
43 Ethyl acetate	43		4.861					ND	
42 Propionitrile	54		4.897					ND	
44 Methacrylonitrile	41		5.015					ND	
45 Chlorobromomethane	128		5.051					ND	
46 Tetrahydrofuran	42		5.063					ND	
47 Chloroform	83		5.134					ND	
48 1,1,1-Trichloroethane	97		5.288					ND	
49 Cyclohexane	56		5.348					ND	
50 1,1-Dichloropropene	75		5.419					ND	
51 Carbon tetrachloride	117		5.419					ND	
52 Isobutyl alcohol	41		5.478					ND	
54 Benzene	78		5.585					ND	
53 1,2-Dichloroethane	62		5.632					ND	
163 Isooctane	57		5.679					ND	
55 Tert-amyl methyl ether	73		5.679					ND	
56 n-Heptane	57		5.822					ND	7
57 n-Butanol	56		6.035					ND	
58 Trichloroethene	130		6.154					ND	
59 Ethyl acrylate	55		6.201					ND	
60 Methylcyclohexane	83		6.355					ND	
61 1,2-Dichloropropane	63		6.379					ND	
62 Methyl methacrylate	41		6.403					ND	
64 1,4-Dioxane	88		6.427					ND	
63 Dibromomethane	93		6.450					ND	
65 Dichlorobromomethane	83		6.605					ND	
66 2-Nitropropane	41		6.794					ND	
67 2-Chloroethyl vinyl ether	63		6.830					ND	
121 Epichlorohydrin	57		6.972					ND	
68 cis-1,3-Dichloropropene	75		6.984					ND	
69 4-Methyl-2-pentanone (MIBK)	43		7.103					ND	
70 Toluene	91		7.280					ND	
71 trans-1,3-Dichloropropene	75		7.482					ND	
72 Ethyl methacrylate	69		7.518					ND	
73 1,1,2-Trichloroethane	97		7.672					ND	
75 Tetrachloroethene	164		7.755					ND	
74 1,3-Dichloropropane	76		7.814					ND	
76 2-Hexanone	43		7.850					ND	
77 n-Butyl acetate	43		7.944					ND	
78 Chlorodibromomethane	129		8.016					ND	
79 Tetrahydrothiophene	60		8.021					ND	
80 Ethylene Dibromide	107		8.134					ND	
81 1-Chlorohexane	91		8.549					ND	7

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
82 Chlorobenzene	112		8.597					ND	
83 1,1,1,2-Tetrachloroethane	131		8.668					ND	
84 Ethylbenzene	106		8.680					ND	
85 m-Xylene & p-Xylene	106		8.798					ND	
86 o-Xylene	106		9.166					ND	
87 Styrene	104		9.178					ND	
88 Bromoform	173		9.368					ND	
89 Isopropylbenzene	105		9.522					ND	
91 Cyclohexanone	55		9.616					ND	
90 1,4-Dichlorobutane	55		9.688					ND	
92 1,1,2,2-Tetrachloroethane	83		9.818					ND	
93 Bromobenzene	156		9.842					ND	
94 trans-1,4-Dichloro-2-butene	53		9.854					ND	
95 1,2,3-Trichloropropane	110		9.877					ND	
96 N-Propylbenzene	120		9.925					ND	
97 2-Chlorotoluene	126		10.020					ND	
99 1,3,5-Trimethylbenzene	105		10.103					ND	
100 4-Chlorotoluene	126		10.138					ND	
101 2-Ethyltoluene	105		10.411					ND	
98 3-Ethyltoluene	105		10.411					ND	
102 tert-Butylbenzene	119		10.411					ND	
103 Pentachloroethane	167		10.447					ND	
104 1,2,4-Trimethylbenzene	105		10.470					ND	
105 sec-Butylbenzene	105		10.636					ND	
106 1,3-Dichlorobenzene	146		10.755					ND	
107 4-Isopropyltoluene	119		10.779					ND	
108 1,4-Dichlorobenzene	146		10.862					ND	
109 1,2,3-Trimethylbenzene	105		10.885					ND	
110 Benzyl chloride	126		10.968					ND	
111 n-Butylbenzene	91		11.194					ND	
112 1,2-Dichlorobenzene	146		11.217					ND	
113 1,2-Dibromo-3-Chloropropane	157		12.000					ND	
114 1,3,5-Trichlorobenzene	180		12.190					ND	
115 1,2,4-Trichlorobenzene	180		12.830					ND	
116 Hexachlorobutadiene	225		12.973					ND	
117 Naphthalene	128		13.115					ND	
118 1,2,3-Trichlorobenzene	180		13.364					ND	
119 2-Methylnaphthalene	142		14.538					ND	
162 1-Methylnaphthalene	142		14.810					ND	
126 Butyl Methacrylate TIC	1		0.520					ND	
S 134 Trihalomethanes, Total	1		0.520					ND	
S 158 Total BTEX	1		0.520					ND	
S 131 1,2-Dichloroethene, Total	96		1.660					ND	
S 132 1,3-Dichloropropene, Total	75		7.280					ND	
S 133 Xylenes, Total	106		17.050					ND	

QC Flag Legend

Processing Flags

NC - Not Calibrated

7 - Failed Limit of Detection

Reagents:

vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00087	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

Eurofins TestAmerica, Canton
Tentatively Identified Quantitation Report

Data File:	\\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\UXM38834.D				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	26-Jul-2021 13:29:30	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0111551-008				
Operator ID:	001765	Instrument ID:	A3UX16		
Method:	\\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\8260_16.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	26-Jul-2021 13:51:13	Calib Date:	23-Apr-2021 18:30:30		
Tic RT Window:	1.400 -0.000	Response:	area		
Quant By:	Nearest ISTD	Quant LOD:	10.00000		
MS Library:	\\chromfs\Canton\Database\NIST98.L				
Min. Match:	50				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1649				
First Level Reviewer: bosworthh		Date:	26-Jul-2021 13:51:13		

Tentative Identified Compound Results

RT	Area	Amount ug/l	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
		Unknown						
1.541	307097	3.93	1					

Quantitation Compounds

Compound	RT	Area	Amount ug/l
* 1 Fluorobenzene	5.846	1563745	20.0

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00087	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

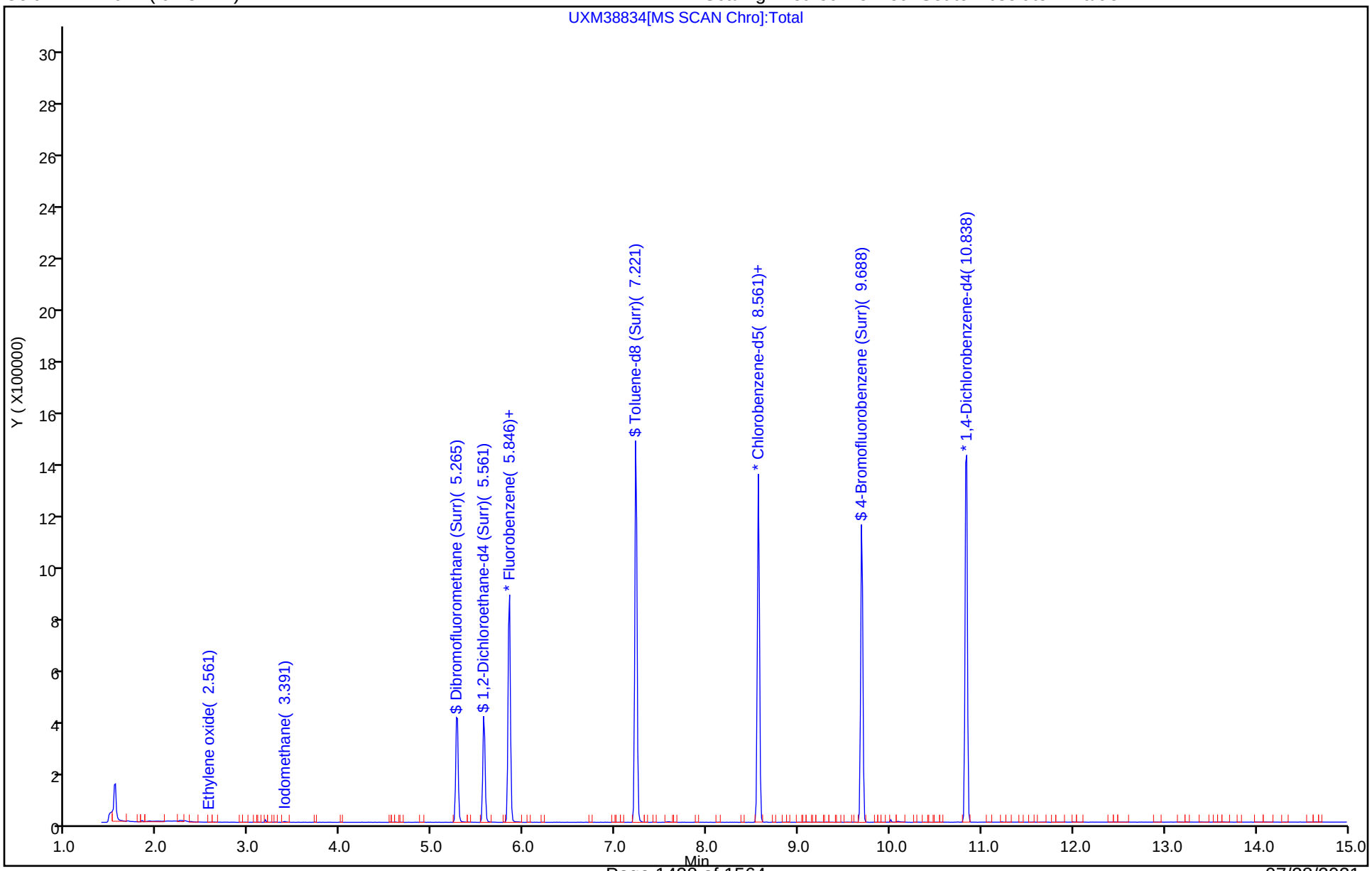
Report Date: 26-Jul-2021 13:51:13 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\UXM38834.D

Injection Date:	26-Jul-2021 13:29:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\UXM38834.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 26-Jul-2021 13:29:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111551-008
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jul-2021 13:51:13 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: bosworthh Date: 26-Jul-2021 13:51:13

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	25.7	113.36
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	24.3	107.13
$ 6 Toluene-d8 (Surr)	22.7	21.2	93.36
$ 7 4-Bromofluorobenzene (Surr)	22.7	22.8	100.44

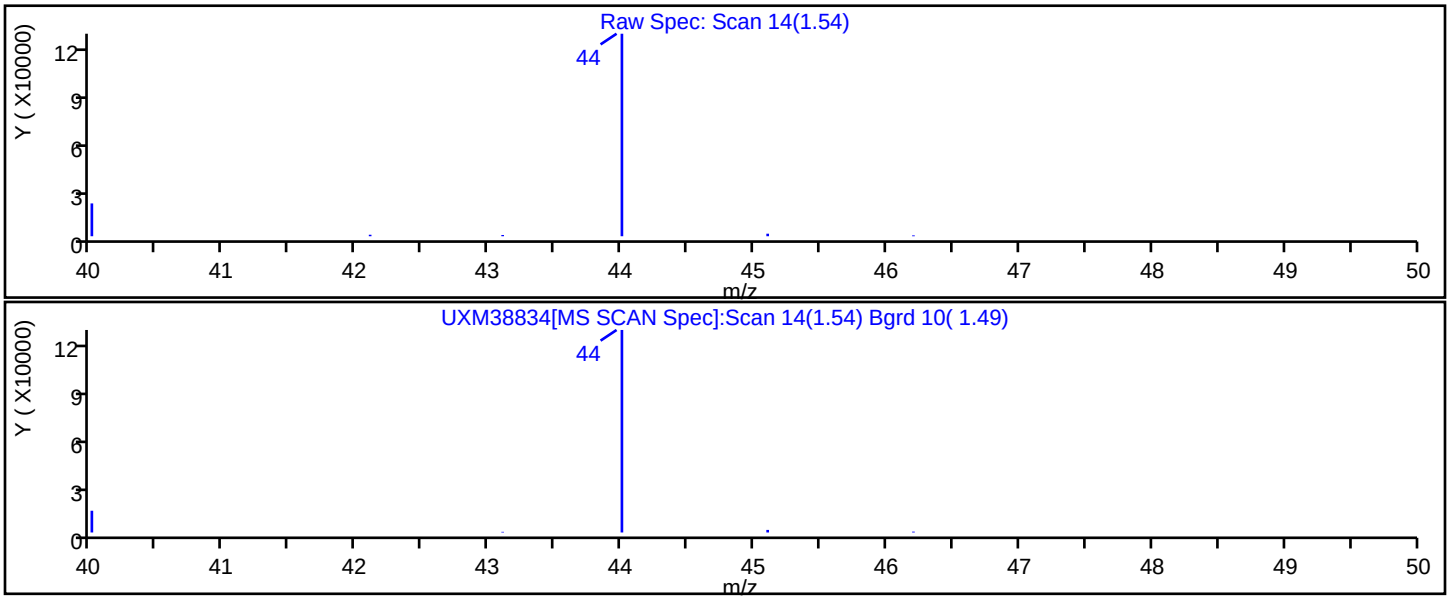
Report Date: 26-Jul-2021 13:51:13 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\UXM38834.D

Injection Date:	26-Jul-2021 13:29:30	Instrument ID:	A3UX16		
Lims ID:	MB				
Client ID:					
Operator ID:	001765	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_16	Limit Group:	MSV 8260C ICAL		
Column:		Detector	MS SCAN		

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-495770/5

Matrix: Water Lab File ID: UX997000.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 11:07

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.: 495770 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	32.8		10	5.4
71-43-2	Benzene	21.7		1.0	0.42
108-86-1	Bromobenzene	19.8		1.0	0.50
74-97-5	Bromochloromethane	22.0		1.0	0.54
75-27-4	Bromodichloromethane	22.1		1.0	0.17
75-25-2	Bromoform	18.3		1.0	0.76
74-83-9	Bromomethane	20.3		1.0	0.42
78-93-3	2-Butanone	38.3		10	1.2
75-15-0	Carbon disulfide	19.2		1.0	0.59
56-23-5	Carbon tetrachloride	23.0		1.0	0.26
108-90-7	Chlorobenzene	20.8		1.0	0.38
75-00-3	Chloroethane	20.9		1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	22.4		10	1.5
67-66-3	Chloroform	22.2		1.0	0.47
74-87-3	Chloromethane	20.7		1.0	0.63
95-49-8	2-Chlorotoluene	20.6		1.0	0.57
106-43-4	4-Chlorotoluene	20.6		1.0	0.43
156-59-2	cis-1,2-Dichloroethene	21.1		1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	23.1		1.0	0.61
124-48-1	Dibromochloromethane	19.7		1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	15.8		2.0	0.91
106-93-4	1,2-Dibromoethane	20.1		1.0	0.41
74-95-3	Dibromomethane	22.5		1.0	0.40
95-50-1	1,2-Dichlorobenzene	19.7		1.0	0.48
541-73-1	1,3-Dichlorobenzene	19.8		1.0	0.45
106-46-7	1,4-Dichlorobenzene	20.2		1.0	0.41
75-71-8	Dichlorodifluoromethane	26.5		1.0	0.35
75-34-3	1,1-Dichloroethane	20.8		1.0	0.47
107-06-2	1,2-Dichloroethane	23.4		1.0	0.21
75-35-4	1,1-Dichloroethene	21.9		1.0	0.49
78-87-5	1,2-Dichloropropane	22.6		1.0	0.47
142-28-9	1,3-Dichloropropane	20.8		1.0	0.21
594-20-7	2,2-Dichloropropane	21.9		1.0	0.78
563-58-6	1,1-Dichloropropene	22.6		1.0	0.36
100-41-4	Ethylbenzene	20.7		1.0	0.42
87-68-3	Hexachlorobutadiene	17.2		1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-495770/5

Matrix: Water Lab File ID: UX997000.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 11:07

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.: 495770 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
591-78-6	2-Hexanone	39.7		10	1.1
98-82-8	Isopropylbenzene	20.4		1.0	0.49
75-09-2	Methylene Chloride	20.4		5.0	2.6
108-10-1	4-Methyl-2-pentanone	43.5		10	0.99
1634-04-4	Methyl tert-butyl ether	21.0		1.0	0.47
179601-23-1	m-Xylene & p-Xylene	20.7		2.0	0.42
91-20-3	Naphthalene	17.7		1.0	0.80
104-51-8	n-Butylbenzene	20.0		1.0	0.60
103-65-1	n-Propylbenzene	20.5		1.0	0.57
95-47-6	o-Xylene	20.4		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	22.1		1.0	0.45
75-65-0	tert-Butyl alcohol	196		40	7.2
98-06-6	tert-Butylbenzene	21.4		1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	20.4		1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	20.1		1.0	0.60
127-18-4	Tetrachloroethene	20.4		1.0	0.44
108-88-3	Toluene	21.1		1.0	0.44
156-60-5	trans-1,2-Dichloroethene	21.2		1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	21.6		1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	18.1		1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	18.9		1.0	0.77
71-55-6	1,1,1-Trichloroethane	22.6		1.0	0.48
79-01-6	Trichloroethene	22.7		1.0	0.44
75-69-4	Trichlorofluoromethane	24.1		1.0	0.45
96-18-4	1,2,3-Trichloropropane	19.8		1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	20.4		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	20.5		1.0	0.52
108-05-4	Vinyl acetate	18.2		2.0	0.61
75-01-4	Vinyl chloride	23.3		1.0	0.45
1330-20-7	Xylenes, Total	41.1		2.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-495770/5

Matrix: Water Lab File ID: UX997000.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 11:07

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.: 495770 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	106		47-134
1868-53-7	Dibromofluoromethane (Surr)	105		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		75-130
2037-26-5	Toluene-d8 (Surr)	102		69-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\UX997000.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 20-Jul-2021 11:07:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111393-005
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Jul-2021 11:33:44 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1648

First Level Reviewer: bosworthh Date: 20-Jul-2021 11:33:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.877	5.879	-0.002	99	641789	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.575	8.577	-0.002	87	541773	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.823	10.813	0.010	92	297183	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.297	5.288	0.009	92	182060	16.3	17.1	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.581	5.584	-0.003	99	212903	16.3	17.5	
$ 6 Toluene-d8 (Surr)	98	7.261	7.252	0.009	93	782650	16.3	16.7	
$ 7 4-Bromofluorobenzene (Surr)	95	9.687	9.678	0.009	93	304919	16.3	17.2	
9 Dichlorodifluoromethane	85	1.771	1.773	-0.002	99	348998	20.0	26.5	
10 Chloromethane	50	1.960	1.963	-0.003	99	265752	20.0	20.7	
11 Vinyl chloride	62	2.090	2.093	-0.003	100	300888	20.0	23.3	
12 Butadiene	54	2.126	2.128	-0.002	94	261465	20.0	22.2	
13 Bromomethane	94	2.445	2.436	0.009	93	209672	20.0	20.3	
15 Chloroethane	64	2.552	2.554	-0.002	99	197304	20.0	20.9	
16 Dichlorofluoromethane	67	2.753	2.756	-0.003	99	448152	20.0	22.7	
17 Trichlorofluoromethane	101	2.824	2.827	-0.003	97	451180	20.0	24.1	
18 Ethyl ether	59	3.108	3.099	0.009	89	183536	20.0	20.5	
21 Acrolein	56	3.215	3.217	-0.003	98	73846	100.0	144.0	
24 1,1-Dichloroethene	61	3.333	3.324	0.009	97	340904	20.0	21.9	
22 112TCTFE	101	3.333	3.335	-0.002	94	237156	20.0	20.4	
23 Acetone	58	3.368	3.359	0.009	99	54081	40.0	32.8	
25 Iodomethane	142	3.475	3.477	-0.002	99	240571	20.0	19.8	
26 Carbon disulfide	76	3.546	3.548	-0.002	99	593313	20.0	19.2	
28 3-Chloro-1-propene	41	3.664	3.655	0.009	84	317031	20.0	18.6	
29 Methyl acetate	43	3.676	3.667	0.009	97	428938	40.0	39.1	
30 Methylene Chloride	49	3.771	3.761	0.010	90	290078	20.0	20.4	
31 2-Methyl-2-propanol	59	3.853	3.856	-0.003	98	393783	200.0	196.2	
32 Acrylonitrile	53	3.972	3.974	-0.002	97	1109935	200.0	192.4	
34 trans-1,2-Dichloroethene	61	4.019	4.022	-0.003	96	308996	20.0	21.2	
33 Methyl tert-butyl ether	73	4.019	4.022	-0.003	95	791098	20.0	21.0	
35 Hexane	57	4.268	4.270	-0.002	93	336596	20.0	22.0	
36 1,1-Dichloroethane	63	4.386	4.389	-0.003	98	418382	20.0	20.8	
37 Vinyl acetate	43	4.421	4.424	-0.003	97	479145	20.0	18.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2-Butanone (MEK)	72	4.883	4.886	-0.003	96	81547	40.0	38.3	
42 2,2-Dichloropropane	77	4.895	4.897	-0.002	91	440224	20.0	21.9	
43 cis-1,2-Dichloroethene	96	4.895	4.897	-0.002	86	264324	20.0	21.1	
47 Chlorobromomethane	49	5.096	5.099	-0.002	92	185760	20.0	22.0	
48 Tetrahydrofuran	42	5.143	5.146	-0.003	82	187895	40.0	38.1	
49 Chloroform	83	5.155	5.158	-0.003	97	449830	20.0	22.2	
50 1,1,1-Trichloroethane	97	5.333	5.335	-0.002	98	443106	20.0	22.6	
51 Cyclohexane	84	5.392	5.394	-0.002	89	442624	20.0	22.8	
52 1,1-Dichloropropene	75	5.475	5.477	-0.002	94	359290	20.0	22.6	
53 Carbon tetrachloride	117	5.486	5.489	-0.003	97	390190	20.0	23.0	
54 Isobutyl alcohol	41	5.510	5.513	-0.003	93	276043	500.0	493.2	
56 1,2-Dichloroethane	62	5.652	5.655	-0.003	61	361843	20.0	23.4	
55 Benzene	78	5.652	5.655	-0.003	96	979078	20.0	21.7	
58 n-Heptane	71	5.865	5.868	-0.003	84	207423	20.0	19.5	
60 Trichloroethene	130	6.196	6.199	-0.003	94	283716	20.0	22.7	
62 Methylcyclohexane	83	6.386	6.376	0.010	89	454555	20.0	22.2	
63 1,2-Dichloropropane	63	6.386	6.388	-0.002	93	241256	20.0	22.6	
66 Dibromomethane	174	6.492	6.495	-0.003	94	167829	20.0	22.5	
65 1,4-Dioxane	88	6.504	6.495	0.009	90	81553	400.0	418.7	
67 Dichlorobromomethane	83	6.611	6.613	-0.002	98	345220	20.0	22.1	
69 2-Chloroethyl vinyl ether	63	6.859	6.850	0.009	94	159523	20.0	22.4	
71 cis-1,3-Dichloropropene	75	7.001	7.004	-0.003	93	377800	20.0	23.1	
72 4-Methyl-2-pentanone (MIBK)	43	7.119	7.122	-0.003	95	634237	40.0	43.5	
73 Toluene	91	7.320	7.311	0.009	98	1159097	20.0	21.1	
74 trans-1,3-Dichloropropene	75	7.486	7.489	-0.003	94	358282	20.0	21.6	
75 Ethyl methacrylate	69	7.545	7.548	-0.003	86	386044	20.0	20.8	
76 1,1,2-Trichloroethane	97	7.652	7.654	-0.002	95	247241	20.0	20.9	
77 1,3-Dichloropropane	76	7.817	7.808	0.009	90	416393	20.0	20.8	
78 Tetrachloroethene	166	7.817	7.820	-0.003	97	300593	20.0	20.4	
80 2-Hexanone	43	7.865	7.867	-0.002	96	463422	40.0	39.7	
82 Chlorodibromomethane	129	8.030	8.021	0.009	90	258741	20.0	19.7	
83 Ethylene Dibromide	107	8.149	8.151	-0.002	98	235070	20.0	20.1	
85 Chlorobenzene	112	8.598	8.601	-0.003	94	745159	20.0	20.8	
86 1,1,1,2-Tetrachloroethane	131	8.669	8.672	-0.003	93	283036	20.0	20.4	
87 Ethylbenzene	106	8.693	8.696	-0.003	98	435897	20.0	20.7	
88 m-Xylene & p-Xylene	106	8.800	8.802	-0.002	98	541592	20.0	20.7	
89 o-Xylene	106	9.178	9.181	-0.003	94	517614	20.0	20.4	
90 Styrene	104	9.190	9.193	-0.003	92	826632	20.0	22.1	
91 Bromoform	173	9.379	9.370	0.009	94	180919	20.0	18.3	
92 Isopropylbenzene	105	9.533	9.536	-0.003	96	1346447	20.0	20.4	
94 1,1,2,2-Tetrachloroethane	83	9.794	9.796	-0.002	97	350583	20.0	20.1	
95 Bromobenzene	156	9.841	9.843	-0.002	98	308306	20.0	19.8	
96 trans-1,4-Dichloro-2-butene	53	9.853	9.855	-0.002	72	118107	20.0	22.0	
97 1,2,3-Trichloropropane	110	9.853	9.855	-0.002	84	137357	20.0	19.8	
98 N-Propylbenzene	120	9.924	9.926	-0.002	99	378580	20.0	20.5	
100 2-Chlorotoluene	126	10.030	10.021	0.009	96	317252	20.0	20.6	
101 1,3,5-Trimethylbenzene	105	10.089	10.092	-0.003	94	1078562	20.0	20.1	
102 4-Chlorotoluene	126	10.125	10.127	-0.002	98	328273	20.0	20.6	
104 tert-Butylbenzene	119	10.421	10.423	-0.002	92	1107170	20.0	21.4	
106 1,2,4-Trimethylbenzene	105	10.468	10.459	0.009	95	1101858	20.0	20.5	
107 sec-Butylbenzene	134	10.634	10.636	-0.002	94	298143	20.0	20.1	
108 1,3-Dichlorobenzene	146	10.752	10.755	-0.003	98	597364	20.0	19.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
109 4-Isopropyltoluene	119	10.776	10.778	-0.002	97	1191298	20.0	20.6	
110 1,4-Dichlorobenzene	146	10.847	10.837	0.010	96	616613	20.0	20.2	
113 n-Butylbenzene	91	11.178	11.181	-0.003	97	936976	20.0	20.0	
114 1,2-Dichlorobenzene	146	11.213	11.216	-0.003	97	567303	20.0	19.7	
115 1,2-Dibromo-3-Chloropropane	157	11.983	11.973	0.010	83	78351	20.0	15.8	
117 1,2,4-Trichlorobenzene	180	12.823	12.825	-0.002	94	330007	20.0	18.9	
118 Hexachlorobutadiene	225	13.000	13.003	-0.003	96	115547	20.0	17.2	
119 Naphthalene	128	13.083	13.086	-0.003	97	1026083	20.0	17.7	
120 1,2,3-Trichlorobenzene	180	13.355	13.358	-0.003	94	295785	20.0	18.1	
S 158 Total BTEX	1				0		100.0	104.7	
S 130 Trihalomethanes, Total	83				0		80.0	82.3	
S 131 Xylenes, Total	106				0		40.0	41.1	

QC Flag Legend

Processing Flags

Reagents:

vmfasgw_00416	Amount Added: 16.00	Units: uL		
vmfaspw_00407	Amount Added: 16.00	Units: uL		
vmfasaw_00382	Amount Added: 16.00	Units: uL		
vmDist_H2o_00198	Amount Added: 0.00	Units:	Run Reagent	
vm40mL_vials_00016	Amount Added: 0.00	Units:	Run Reagent	
vm50is_stk_A_00009	Amount Added: 2.00	Units: uL	Run Reagent	
vm50ss_stk_00087	Amount Added: 1.63	Units: uL	Run Reagent	

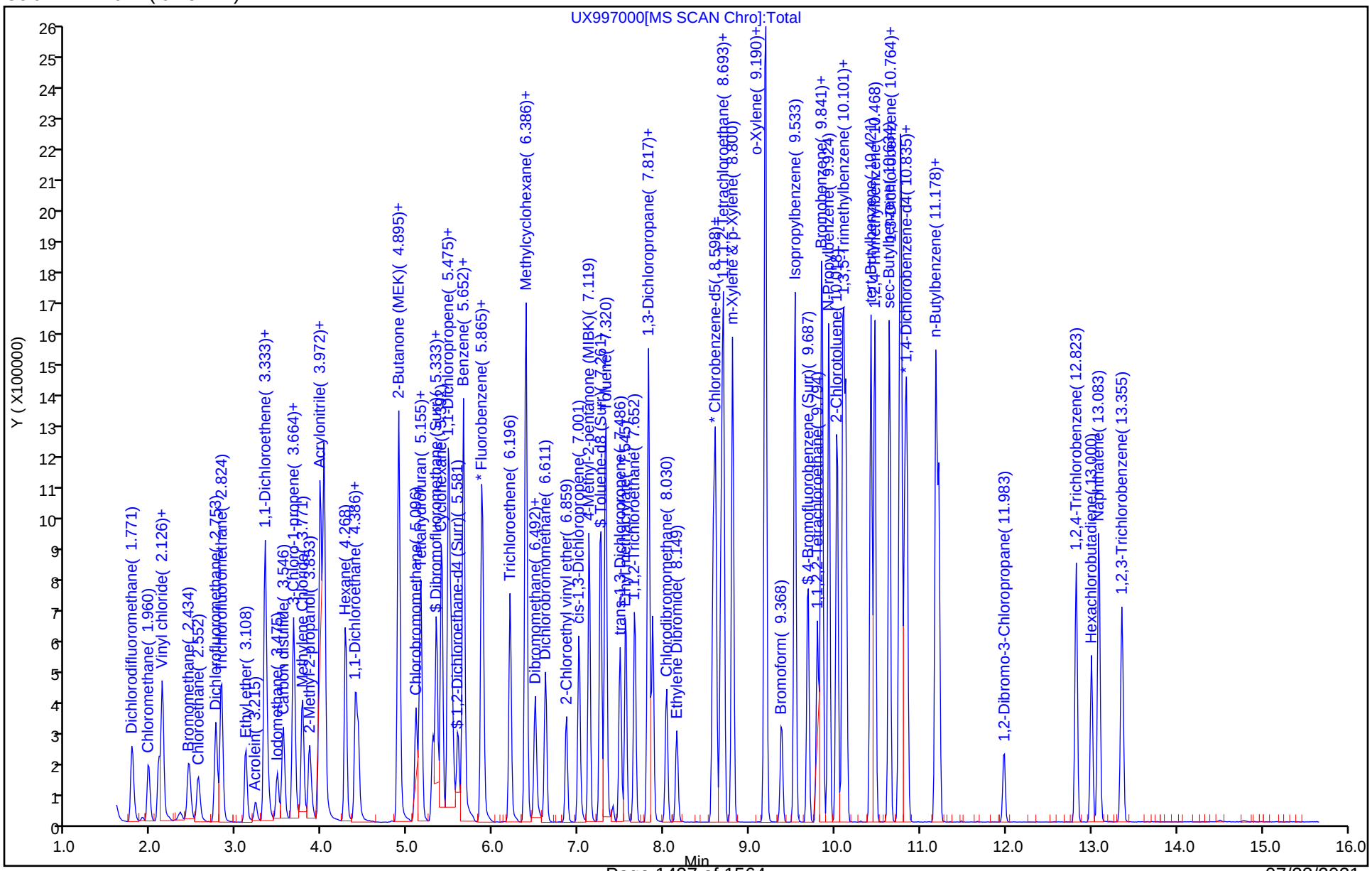
Report Date: 20-Jul-2021 11:33:44 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\UX997000.D

Injection Date:	20-Jul-2021 11:07:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\UX997000.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 20-Jul-2021 11:07:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111393-005
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Jul-2021 11:33:44 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1648

First Level Reviewer: bosworthh Date: 20-Jul-2021 11:33:44

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	16.3	17.1	104.59
$ 5 1,2-Dichloroethane-d4 (Surr)	16.3	17.5	107.21
$ 6 Toluene-d8 (Surr)	16.3	16.7	102.18
$ 7 4-Bromofluorobenzene (Surr)	16.3	17.2	105.51

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-495975/5

Matrix: Water Lab File ID: UX997033.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 11:53

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.: 495975 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	32.8		10	5.4
71-43-2	Benzene	22.0		1.0	0.42
108-86-1	Bromobenzene	20.4		1.0	0.50
74-97-5	Bromochloromethane	20.7		1.0	0.54
75-27-4	Bromodichloromethane	22.0		1.0	0.17
75-25-2	Bromoform	18.0		1.0	0.76
74-83-9	Bromomethane	20.0		1.0	0.42
78-93-3	2-Butanone	38.3		10	1.2
75-15-0	Carbon disulfide	19.5		1.0	0.59
56-23-5	Carbon tetrachloride	23.9		1.0	0.26
108-90-7	Chlorobenzene	20.9		1.0	0.38
75-00-3	Chloroethane	20.3		1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	21.4		10	1.5
67-66-3	Chloroform	22.5		1.0	0.47
74-87-3	Chloromethane	19.2		1.0	0.63
95-49-8	2-Chlorotoluene	20.5		1.0	0.57
106-43-4	4-Chlorotoluene	20.7		1.0	0.43
156-59-2	cis-1,2-Dichloroethene	21.8		1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	22.7		1.0	0.61
124-48-1	Dibromochloromethane	20.0		1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	16.0		2.0	0.91
106-93-4	1,2-Dibromoethane	20.5		1.0	0.41
74-95-3	Dibromomethane	22.7		1.0	0.40
95-50-1	1,2-Dichlorobenzene	20.0		1.0	0.48
541-73-1	1,3-Dichlorobenzene	19.7		1.0	0.45
106-46-7	1,4-Dichlorobenzene	20.4		1.0	0.41
75-71-8	Dichlorodifluoromethane	27.8		1.0	0.35
75-34-3	1,1-Dichloroethane	20.7		1.0	0.47
107-06-2	1,2-Dichloroethane	23.3		1.0	0.21
75-35-4	1,1-Dichloroethene	21.9		1.0	0.49
78-87-5	1,2-Dichloropropane	21.8		1.0	0.47
142-28-9	1,3-Dichloropropane	20.6		1.0	0.21
594-20-7	2,2-Dichloropropane	22.2		1.0	0.78
563-58-6	1,1-Dichloropropene	22.5		1.0	0.36
100-41-4	Ethylbenzene	20.5		1.0	0.42
87-68-3	Hexachlorobutadiene	17.8		1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-495975/5

Matrix: Water Lab File ID: UX997033.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 11:53

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.: 495975 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
591-78-6	2-Hexanone	36.9		10	1.1
98-82-8	Isopropylbenzene	20.5		1.0	0.49
75-09-2	Methylene Chloride	19.6		5.0	2.6
108-10-1	4-Methyl-2-pentanone	40.2		10	0.99
1634-04-4	Methyl tert-butyl ether	21.3		1.0	0.47
179601-23-1	m-Xylene & p-Xylene	20.3		2.0	0.42
91-20-3	Naphthalene	17.3		1.0	0.80
104-51-8	n-Butylbenzene	19.9		1.0	0.60
103-65-1	n-Propylbenzene	20.5		1.0	0.57
95-47-6	o-Xylene	20.5		1.0	0.42
99-87-6	p-Isopropyltoluene	20.3		1.0	0.56
135-98-8	sec-Butylbenzene	20.7		1.0	0.53
100-42-5	Styrene	22.1		1.0	0.45
75-65-0	tert-Butyl alcohol	191		40	7.2
98-06-6	tert-Butylbenzene	21.3		1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	20.2		1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	19.2		1.0	0.60
127-18-4	Tetrachloroethene	20.7		1.0	0.44
108-88-3	Toluene	20.8		1.0	0.44
156-60-5	trans-1,2-Dichloroethene	21.4		1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	20.5		1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	18.3		1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	18.8		1.0	0.77
71-55-6	1,1,1-Trichloroethane	23.1		1.0	0.48
79-01-6	Trichloroethene	23.1		1.0	0.44
75-69-4	Trichlorofluoromethane	25.4		1.0	0.45
96-18-4	1,2,3-Trichloropropane	19.2		1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	21.2		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	20.5		1.0	0.52
108-05-4	Vinyl acetate	16.2		2.0	0.61
75-01-4	Vinyl chloride	20.9		1.0	0.45
1330-20-7	Xylenes, Total	40.8		2.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-495975/5

Matrix: Water Lab File ID: UX997033.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 11:53

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.: 495975 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	106		47-134
1868-53-7	Dibromofluoromethane (Surr)	104		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		75-130
2037-26-5	Toluene-d8 (Surr)	101		69-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\UX997033.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 21-Jul-2021 11:53:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111430-005
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Jul-2021 12:27:08 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: bosworthh Date: 21-Jul-2021 12:28:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.877	5.880	-0.003	99	733977	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.574	8.578	-0.004	86	621026	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.811	10.815	-0.004	91	338387	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.297	5.287	0.010	93	207068	16.3	17.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.593	5.583	0.010	99	221073	16.3	15.9	
$ 6 Toluene-d8 (Surr)	98	7.261	7.252	0.009	93	883172	16.3	16.4	
$ 7 4-Bromofluorobenzene (Surr)	95	9.687	9.677	0.010	93	352303	16.3	17.4	
9 Dichlorodifluoromethane	85	1.771	1.773	-0.002	99	418668	20.0	27.8	
10 Chloromethane	50	1.972	1.962	0.010	100	282076	20.0	19.2	
11 Vinyl chloride	62	2.090	2.081	0.009	100	308998	20.0	20.9	
12 Butadiene	54	2.126	2.128	-0.002	93	261790	20.0	19.4	
13 Bromomethane	94	2.445	2.436	0.009	92	235615	20.0	20.0	
15 Chloroethane	64	2.552	2.542	0.010	99	219315	20.0	20.3	
16 Dichlorofluoromethane	67	2.753	2.755	-0.002	99	525525	20.0	23.3	
17 Trichlorofluoromethane	101	2.824	2.814	0.010	100	544742	20.0	25.4	
18 Ethyl ether	59	3.108	3.098	0.010	88	201434	20.0	19.7	
21 Acrolein	56	3.226	3.217	0.009	98	80412	100.0	137.1	
24 1,1-Dichloroethene	61	3.333	3.323	0.010	97	390831	20.0	21.9	
22 112TCTFE	101	3.333	3.335	-0.002	91	281237	20.0	21.2	
23 Acetone	58	3.368	3.359	0.009	99	61690	40.0	32.8	
25 Iodomethane	142	3.475	3.477	-0.002	99	306726	20.0	22.1	
26 Carbon disulfide	76	3.546	3.536	0.010	100	687080	20.0	19.5	
28 3-Chloro-1-propene	41	3.664	3.654	0.010	85	364569	20.0	18.7	
29 Methyl acetate	43	3.676	3.666	0.010	97	478947	40.0	38.2	
30 Methylene Chloride	49	3.770	3.761	0.009	88	318645	20.0	19.6	
31 2-Methyl-2-propanol	59	3.853	3.844	0.009	99	437393	200.0	190.5	
32 Acrylonitrile	53	3.972	3.974	-0.002	98	1242494	200.0	188.3	
34 trans-1,2-Dichloroethene	61	4.019	4.021	-0.002	93	357579	20.0	21.4	
33 Methyl tert-butyl ether	73	4.019	4.021	-0.002	95	913782	20.0	21.3	
35 Hexane	57	4.267	4.270	-0.003	92	373556	20.0	21.4	
36 1,1-Dichloroethane	63	4.386	4.388	-0.002	98	475785	20.0	20.7	
37 Vinyl acetate	43	4.421	4.424	-0.003	97	489347	20.0	16.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2-Butanone (MEK)	72	4.894	4.885	0.009	91	93287	40.0	38.3	
43 cis-1,2-Dichloroethene	96	4.894	4.885	0.009	84	312530	20.0	21.8	
42 2,2-Dichloropropane	77	4.894	4.897	-0.003	89	510567	20.0	22.2	
47 Chlorobromomethane	49	5.096	5.086	0.010	90	199928	20.0	20.7	
48 Tetrahydrofuran	42	5.143	5.145	-0.002	81	204600	40.0	36.3	
49 Chloroform	83	5.155	5.157	-0.002	96	520353	20.0	22.5	
50 1,1,1-Trichloroethane	97	5.332	5.335	-0.003	98	518615	20.0	23.1	
51 Cyclohexane	84	5.403	5.394	0.009	87	505354	20.0	22.7	
52 1,1-Dichloropropene	75	5.474	5.477	-0.003	96	407992	20.0	22.5	
53 Carbon tetrachloride	117	5.486	5.477	0.009	97	465110	20.0	23.9	
54 Isobutyl alcohol	41	5.510	5.512	-0.002	91	290026	500.0	453.1	
56 1,2-Dichloroethane	62	5.652	5.654	-0.002	60	410469	20.0	23.3	
55 Benzene	78	5.652	5.654	-0.002	96	1131317	20.0	22.0	
58 n-Heptane	71	5.865	5.867	-0.002	83	236283	20.0	19.4	
60 Trichloroethene	130	6.196	6.198	-0.002	95	330181	20.0	23.1	
62 Methylcyclohexane	83	6.385	6.376	0.009	88	518495	20.0	22.2	
63 1,2-Dichloropropane	63	6.385	6.388	-0.003	87	265850	20.0	21.8	
66 Dibromomethane	174	6.492	6.494	-0.002	94	193861	20.0	22.7	
65 1,4-Dioxane	88	6.504	6.494	0.010	90	94599	400.0	424.7	
67 Dichlorobromomethane	83	6.610	6.613	-0.003	99	393006	20.0	22.0	
69 2-Chloroethyl vinyl ether	63	6.859	6.849	0.010	95	174302	20.0	21.4	
71 cis-1,3-Dichloropropene	75	7.001	7.003	-0.002	93	424261	20.0	22.7	
72 4-Methyl-2-pentanone (MIBK)	43	7.119	7.121	-0.002	95	670884	40.0	40.2	
73 Toluene	91	7.320	7.311	0.009	98	1306781	20.0	20.8	
74 trans-1,3-Dichloropropene	75	7.486	7.488	-0.002	95	388733	20.0	20.5	
75 Ethyl methacrylate	69	7.545	7.547	-0.002	86	423285	20.0	19.9	
76 1,1,2-Trichloroethane	97	7.652	7.654	-0.002	95	271462	20.0	20.0	
77 1,3-Dichloropropane	76	7.817	7.808	0.009	89	472814	20.0	20.6	
78 Tetrachloroethene	166	7.817	7.820	-0.003	97	350840	20.0	20.7	
80 2-Hexanone	43	7.865	7.867	-0.003	95	494087	40.0	36.9	
82 Chlorodibromomethane	129	8.030	8.021	0.009	90	301418	20.0	20.0	
83 Ethylene Dibromide	107	8.148	8.151	-0.003	98	275164	20.0	20.5	
85 Chlorobenzene	112	8.598	8.601	-0.003	95	856442	20.0	20.9	
86 1,1,1,2-Tetrachloroethane	131	8.669	8.672	-0.003	94	320258	20.0	20.2	
87 Ethylbenzene	106	8.693	8.695	-0.002	98	495395	20.0	20.5	
88 m-Xylene & p-Xylene	106	8.799	8.802	-0.003	99	608936	20.0	20.3	
89 o-Xylene	106	9.178	9.180	-0.002	94	597998	20.0	20.5	
90 Styrene	104	9.190	9.192	-0.002	93	948302	20.0	22.1	
91 Bromoform	173	9.379	9.370	0.009	94	203840	20.0	18.0	
92 Isopropylbenzene	105	9.533	9.535	-0.002	96	1554250	20.0	20.5	
94 1,1,2,2-Tetrachloroethane	83	9.793	9.796	-0.003	98	381620	20.0	19.2	
95 Bromobenzene	156	9.841	9.843	-0.002	95	361736	20.0	20.4	
97 1,2,3-Trichloropropane	110	9.852	9.843	0.009	84	151991	20.0	19.2	
96 trans-1,4-Dichloro-2-butene	53	9.852	9.855	-0.003	73	129650	20.0	21.2	
98 N-Propylbenzene	120	9.923	9.926	-0.003	99	429626	20.0	20.5	
100 2-Chlorotoluene	126	10.030	10.020	0.010	96	359617	20.0	20.5	
101 1,3,5-Trimethylbenzene	105	10.089	10.091	-0.002	94	1233449	20.0	20.2	
102 4-Chlorotoluene	126	10.125	10.127	-0.002	98	375360	20.0	20.7	
104 tert-Butylbenzene	119	10.420	10.423	-0.003	91	1256983	20.0	21.3	
106 1,2,4-Trimethylbenzene	105	10.468	10.470	-0.002	97	1252113	20.0	20.5	
107 sec-Butylbenzene	134	10.633	10.636	-0.003	94	348303	20.0	20.7	
108 1,3-Dichlorobenzene	146	10.752	10.754	-0.002	98	676379	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
109 4-Isopropyltoluene	119	10.775	10.778	-0.003	97	1337878	20.0	20.3	
110 1,4-Dichlorobenzene	146	10.846	10.837	0.009	95	710760	20.0	20.4	
113 n-Butylbenzene	91	11.178	11.180	-0.002	97	1060640	20.0	19.9	
114 1,2-Dichlorobenzene	146	11.213	11.216	-0.003	97	655325	20.0	20.0	
115 1,2-Dibromo-3-Chloropropane	157	11.982	11.985	-0.003	85	90370	20.0	16.0	
117 1,2,4-Trichlorobenzene	180	12.822	12.825	-0.003	94	373740	20.0	18.8	
118 Hexachlorobutadiene	225	13.000	13.002	-0.002	96	136649	20.0	17.8	
119 Naphthalene	128	13.083	13.085	-0.002	97	1142785	20.0	17.3	
120 1,2,3-Trichlorobenzene	180	13.355	13.357	-0.002	95	340084	20.0	18.3	
S 158 Total BTEX	1				0		100.0	104.1	
S 130 Trihalomethanes, Total	83				0		80.0	82.5	
S 131 Xylenes, Total	106				0		40.0	40.9	

QC Flag Legend

Processing Flags

Reagents:

vmfasgw_00417	Amount Added:	16.00	Units: uL	
vmfaspw_00407	Amount Added:	16.00	Units: uL	
vmfasaw_00382	Amount Added:	16.00	Units: uL	
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm40mL_vials_00016	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	1.63	Units: uL	Run Reagent

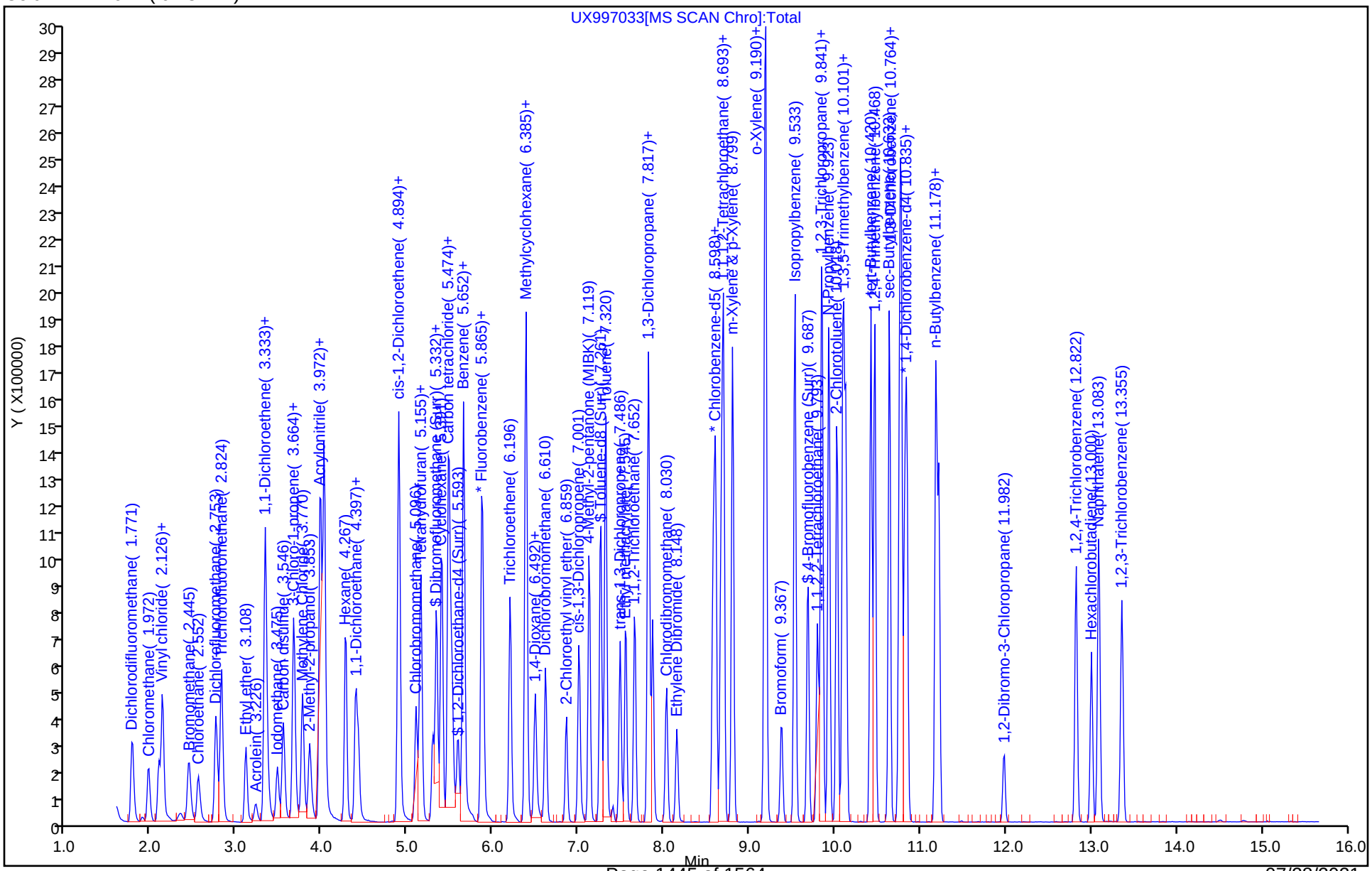
Report Date: 21-Jul-2021 12:45:24 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\UX997033.D

Injection Date:	21-Jul-2021 11:53:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\UX997033.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 21-Jul-2021 11:53:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111430-005
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Jul-2021 12:27:08 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: bosworthh Date: 21-Jul-2021 12:28:24

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	16.3	17.0	104.01
$ 5 1,2-Dichloroethane-d4 (Surr)	16.3	15.9	97.34
$ 6 Toluene-d8 (Surr)	16.3	16.4	100.59
$ 7 4-Bromofluorobenzene (Surr)	16.3	17.4	106.35

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-496159/5

Matrix: Water Lab File ID: UX997065.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 11:52

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.: 496159 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	31.1		10	5.4
71-43-2	Benzene	22.5		1.0	0.42
108-86-1	Bromobenzene	21.4		1.0	0.50
74-97-5	Bromochloromethane	21.4		1.0	0.54
75-27-4	Bromodichloromethane	22.3		1.0	0.17
75-25-2	Bromoform	18.4		1.0	0.76
74-83-9	Bromomethane	19.6		1.0	0.42
78-93-3	2-Butanone	38.2		10	1.2
75-15-0	Carbon disulfide	20.1		1.0	0.59
56-23-5	Carbon tetrachloride	24.0		1.0	0.26
108-90-7	Chlorobenzene	21.2		1.0	0.38
75-00-3	Chloroethane	19.8		1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	22.0		10	1.5
67-66-3	Chloroform	23.1		1.0	0.47
74-87-3	Chloromethane	18.5		1.0	0.63
95-49-8	2-Chlorotoluene	21.2		1.0	0.57
106-43-4	4-Chlorotoluene	21.5		1.0	0.43
156-59-2	cis-1,2-Dichloroethene	22.4		1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	22.6		1.0	0.61
124-48-1	Dibromochloromethane	20.3		1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	16.2		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	20.5		1.0	0.48
541-73-1	1,3-Dichlorobenzene	20.9		1.0	0.45
106-46-7	1,4-Dichlorobenzene	20.7		1.0	0.41
75-71-8	Dichlorodifluoromethane	27.0		1.0	0.35
75-34-3	1,1-Dichloroethane	21.4		1.0	0.47
107-06-2	1,2-Dichloroethane	23.2		1.0	0.21
75-35-4	1,1-Dichloroethene	22.6		1.0	0.49
78-87-5	1,2-Dichloropropane	22.4		1.0	0.47
142-28-9	1,3-Dichloropropane	20.6		1.0	0.21
594-20-7	2,2-Dichloropropane	22.3		1.0	0.78
563-58-6	1,1-Dichloropropene	23.2		1.0	0.36
100-41-4	Ethylbenzene	21.3		1.0	0.42
87-68-3	Hexachlorobutadiene	18.5		1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-496159/5

Matrix: Water Lab File ID: UX997065.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 11:52

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.: 496159 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
591-78-6	2-Hexanone	35.6		10	1.1
98-82-8	Isopropylbenzene	20.9		1.0	0.49
75-09-2	Methylene Chloride	20.1		5.0	2.6
108-10-1	4-Methyl-2-pentanone	38.6		10	0.99
1634-04-4	Methyl tert-butyl ether	21.7		1.0	0.47
179601-23-1	m-Xylene & p-Xylene	21.0		2.0	0.42
91-20-3	Naphthalene	17.6		1.0	0.80
104-51-8	n-Butylbenzene	20.2		1.0	0.60
103-65-1	n-Propylbenzene	21.9		1.0	0.57
95-47-6	o-Xylene	20.6		1.0	0.42
99-87-6	p-Isopropyltoluene	21.0		1.0	0.56
135-98-8	sec-Butylbenzene	21.1		1.0	0.53
100-42-5	Styrene	22.5		1.0	0.45
75-65-0	tert-Butyl alcohol	187		40	7.2
98-06-6	tert-Butylbenzene	19.8		1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	20.9		1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	20.1		1.0	0.60
127-18-4	Tetrachloroethene	21.1		1.0	0.44
108-88-3	Toluene	21.3		1.0	0.44
156-60-5	trans-1,2-Dichloroethene	21.7		1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	20.9		1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	18.5		1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	19.7		1.0	0.77
71-55-6	1,1,1-Trichloroethane	23.8		1.0	0.48
79-01-6	Trichloroethene	23.9		1.0	0.44
75-69-4	Trichlorofluoromethane	26.3		1.0	0.45
96-18-4	1,2,3-Trichloropropane	19.6		1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	21.5		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	21.3		1.0	0.52
108-05-4	Vinyl acetate	16.1		2.0	0.61
75-01-4	Vinyl chloride	20.5		1.0	0.45
1330-20-7	Xylenes, Total	41.6		2.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-496159/5

Matrix: Water Lab File ID: UX997065.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 11:52

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.: 496159 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		47-134
1868-53-7	Dibromofluoromethane (Surr)	98		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		75-130
2037-26-5	Toluene-d8 (Surr)	97		69-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997065.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 22-Jul-2021 11:52:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111471-005
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Jul-2021 10:58:20 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: bosworthh Date: 22-Jul-2021 13:15:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.880	5.877	0.003	99	763841	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.578	8.575	0.003	85	642976	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.815	10.823	-0.008	93	347228	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.289	5.287	0.002	93	203172	16.3	16.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.584	5.582	0.002	98	213766	16.3	14.8	
$ 6 Toluene-d8 (Surr)	98	7.253	7.251	0.002	93	879679	16.3	15.8	
$ 7 4-Bromofluorobenzene (Surr)	95	9.679	9.677	0.002	90	351656	16.3	16.7	
9 Dichlorodifluoromethane	85	1.774	1.760	0.014	100	424508	20.0	27.0	
10 Chloromethane	50	1.964	1.962	0.002	100	283158	20.0	18.5	
11 Vinyl chloride	62	2.082	2.080	0.002	100	315078	20.0	20.5	
12 Butadiene	54	2.129	2.127	0.002	93	262253	20.0	18.7	
13 Bromomethane	94	2.437	2.435	0.002	92	240266	20.0	19.6	
15 Chloroethane	64	2.543	2.541	0.002	100	222196	20.0	19.8	
16 Dichlorofluoromethane	67	2.756	2.743	0.014	99	548911	20.0	23.4	
17 Trichlorofluoromethane	101	2.816	2.814	0.002	99	585601	20.0	26.3	
18 Ethyl ether	59	3.100	3.097	0.003	87	219970	20.0	20.6	
21 Acrolein	56	3.218	3.216	0.002	99	81681	100.0	133.8	
24 1,1-Dichloroethene	61	3.324	3.322	0.002	98	418471	20.0	22.6	
22 112TCTFE	101	3.336	3.322	0.014	92	297218	20.0	21.5	
23 Acetone	58	3.360	3.358	0.002	99	60932	40.0	31.1	
25 Iodomethane	142	3.478	3.464	0.014	100	354961	20.0	24.6	
26 Carbon disulfide	76	3.537	3.535	0.002	100	738562	20.0	20.1	
28 3-Chloro-1-propene	41	3.656	3.654	0.002	84	371522	20.0	18.3	
29 Methyl acetate	43	3.668	3.665	0.003	96	487189	40.0	37.3	
30 Methylene Chloride	49	3.762	3.760	0.002	88	340244	20.0	20.1	
31 2-Methyl-2-propanol	59	3.857	3.843	0.014	99	446360	200.0	186.8	
32 Acrylonitrile	53	3.975	3.973	0.002	98	1272004	200.0	185.3	
33 Methyl tert-butyl ether	73	4.023	4.009	0.014	95	971826	20.0	21.7	
34 trans-1,2-Dichloroethene	61	4.023	4.020	0.003	94	377847	20.0	21.7	
35 Hexane	57	4.271	4.269	0.002	92	383965	20.0	21.1	
36 1,1-Dichloroethane	63	4.389	4.387	0.002	98	512514	20.0	21.4	
37 Vinyl acetate	43	4.425	4.423	0.002	97	504358	20.0	16.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
43 cis-1,2-Dichloroethene	96	4.886	4.884	0.002	84	333880	20.0	22.4	
41 2-Butanone (MEK)	72	4.886	4.884	0.002	82	97026	40.0	38.2	
42 2,2-Dichloropropane	77	4.898	4.896	0.002	89	534759	20.0	22.3	
47 Chlorobromomethane	49	5.099	5.085	0.014	83	215621	20.0	21.4	
48 Tetrahydrofuran	42	5.147	5.145	0.002	81	205691	40.0	35.1	
49 Chloroform	83	5.158	5.156	0.002	96	556863	20.0	23.1	
50 1,1,1-Trichloroethane	97	5.336	5.334	0.002	97	555993	20.0	23.8	
51 Cyclohexane	84	5.395	5.393	0.002	86	530216	20.0	22.9	
52 1,1-Dichloropropene	75	5.478	5.476	0.002	96	438244	20.0	23.2	
53 Carbon tetrachloride	117	5.490	5.476	0.014	98	485787	20.0	24.0	
54 Isobutyl alcohol	41	5.513	5.511	0.002	91	292731	500.0	439.4	
56 1,2-Dichloroethane	62	5.655	5.653	0.002	60	426363	20.0	23.2	
55 Benzene	78	5.655	5.653	0.002	96	1205841	20.0	22.5	
58 n-Heptane	71	5.857	5.855	0.002	83	242134	20.0	19.1	
60 Trichloroethene	130	6.200	6.198	0.002	95	355416	20.0	23.9	
62 Methylcyclohexane	83	6.377	6.375	0.002	88	540424	20.0	22.2	
63 1,2-Dichloropropane	63	6.389	6.387	0.002	91	284048	20.0	22.4	
66 Dibromomethane	174	6.496	6.494	0.002	94	204495	20.0	23.1	
65 1,4-Dioxane	88	6.496	6.494	0.002	88	97997	400.0	422.7	
67 Dichlorobromomethane	83	6.614	6.612	0.002	99	413578	20.0	22.3	
69 2-Chloroethyl vinyl ether	63	6.851	6.848	0.003	94	186319	20.0	22.0	
71 cis-1,3-Dichloropropene	75	7.004	7.002	0.002	94	439222	20.0	22.6	
72 4-Methyl-2-pentanone (MIBK)	43	7.123	7.121	0.002	95	669368	40.0	38.6	
73 Toluene	91	7.312	7.310	0.002	98	1385040	20.0	21.3	
74 trans-1,3-Dichloropropene	75	7.490	7.487	0.003	94	412222	20.0	20.9	
75 Ethyl methacrylate	69	7.549	7.547	0.002	87	449901	20.0	20.4	
76 1,1,2-Trichloroethane	97	7.655	7.653	0.002	92	289052	20.0	20.5	
77 1,3-Dichloropropane	76	7.809	7.807	0.002	89	489008	20.0	20.6	
78 Tetrachloroethene	166	7.821	7.819	0.002	92	370233	20.0	21.1	
80 2-Hexanone	43	7.868	7.866	0.002	95	493182	40.0	35.6	
82 Chlorodibromomethane	129	8.022	8.032	-0.010	90	317036	20.0	20.3	
83 Ethylene Dibromide	107	8.152	8.150	0.002	97	285512	20.0	20.6	
85 Chlorobenzene	112	8.602	8.600	0.002	95	898509	20.0	21.2	
86 1,1,1,2-Tetrachloroethane	131	8.673	8.671	0.002	94	343884	20.0	20.9	
87 Ethylbenzene	106	8.696	8.694	0.002	98	532475	20.0	21.3	
88 m-Xylene & p-Xylene	106	8.803	8.801	0.002	99	651358	20.0	21.0	
89 o-Xylene	106	9.182	9.180	0.002	97	621578	20.0	20.6	
90 Styrene	104	9.193	9.191	0.002	93	1000035	20.0	22.5	
91 Bromoform	173	9.371	9.369	0.002	94	215348	20.0	18.4	
92 Isopropylbenzene	105	9.525	9.535	-0.010	96	1638211	20.0	20.9	
94 1,1,2,2-Tetrachloroethane	83	9.797	9.795	0.002	97	409509	20.0	20.1	
95 Bromobenzene	156	9.844	9.842	0.002	96	389463	20.0	21.4	
97 1,2,3-Trichloropropane	110	9.844	9.854	-0.010	82	159033	20.0	19.6	
96 trans-1,4-Dichloro-2-butene	53	9.844	9.854	-0.010	72	132569	20.0	21.1	
98 N-Propylbenzene	120	9.927	9.925	0.002	98	470803	20.0	21.9	
100 2-Chlorotoluene	126	10.022	10.020	0.002	96	382723	20.0	21.2	
101 1,3,5-Trimethylbenzene	105	10.093	10.091	0.002	96	1303201	20.0	20.7	
102 4-Chlorotoluene	126	10.128	10.126	0.002	97	400184	20.0	21.5	
104 tert-Butylbenzene	119	10.424	10.422	0.002	90	1195296	20.0	19.8	
106 1,2,4-Trimethylbenzene	105	10.460	10.469	-0.009	98	1333453	20.0	21.3	
107 sec-Butylbenzene	134	10.637	10.635	0.002	94	365472	20.0	21.1	
108 1,3-Dichlorobenzene	146	10.755	10.753	0.002	98	735643	20.0	20.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
109 4-Isopropyltoluene	119	10.779	10.777	0.002	97	1416417	20.0	21.0	
110 1,4-Dichlorobenzene	146	10.838	10.836	0.002	94	737655	20.0	20.7	
113 n-Butylbenzene	91	11.181	11.179	0.002	97	1102124	20.0	20.2	
114 1,2-Dichlorobenzene	146	11.217	11.215	0.002	97	691126	20.0	20.5	
115 1,2-Dibromo-3-Chloropropane	157	11.974	11.984	-0.010	90	94258	20.0	16.2	
117 1,2,4-Trichlorobenzene	180	12.826	12.824	0.002	94	400542	20.0	19.7	
118 Hexachlorobutadiene	225	13.004	13.002	0.002	97	145476	20.0	18.5	
119 Naphthalene	128	13.086	13.084	0.002	97	1195493	20.0	17.6	
120 1,2,3-Trichlorobenzene	180	13.359	13.357	0.002	94	352326	20.0	18.5	
S 158 Total BTEX	1				0		100.0	106.7	
S 130 Trihalomethanes, Total	83				0		80.0	84.1	
S 131 Xylenes, Total	106				0		40.0	41.6	

QC Flag Legend

Processing Flags

Reagents:

vmfasgw_00417	Amount Added: 16.00	Units: uL		
vmfaspw_00407	Amount Added: 16.00	Units: uL		
vmfasaw_00382	Amount Added: 16.00	Units: uL		
vmDist_H2o_00198	Amount Added: 0.00	Units:	Run Reagent	
vm40mL_vials_00016	Amount Added: 0.00	Units:	Run Reagent	
vm50is_stk_A_00009	Amount Added: 2.00	Units: uL	Run Reagent	
vm50ss_stk_00087	Amount Added: 1.63	Units: uL	Run Reagent	

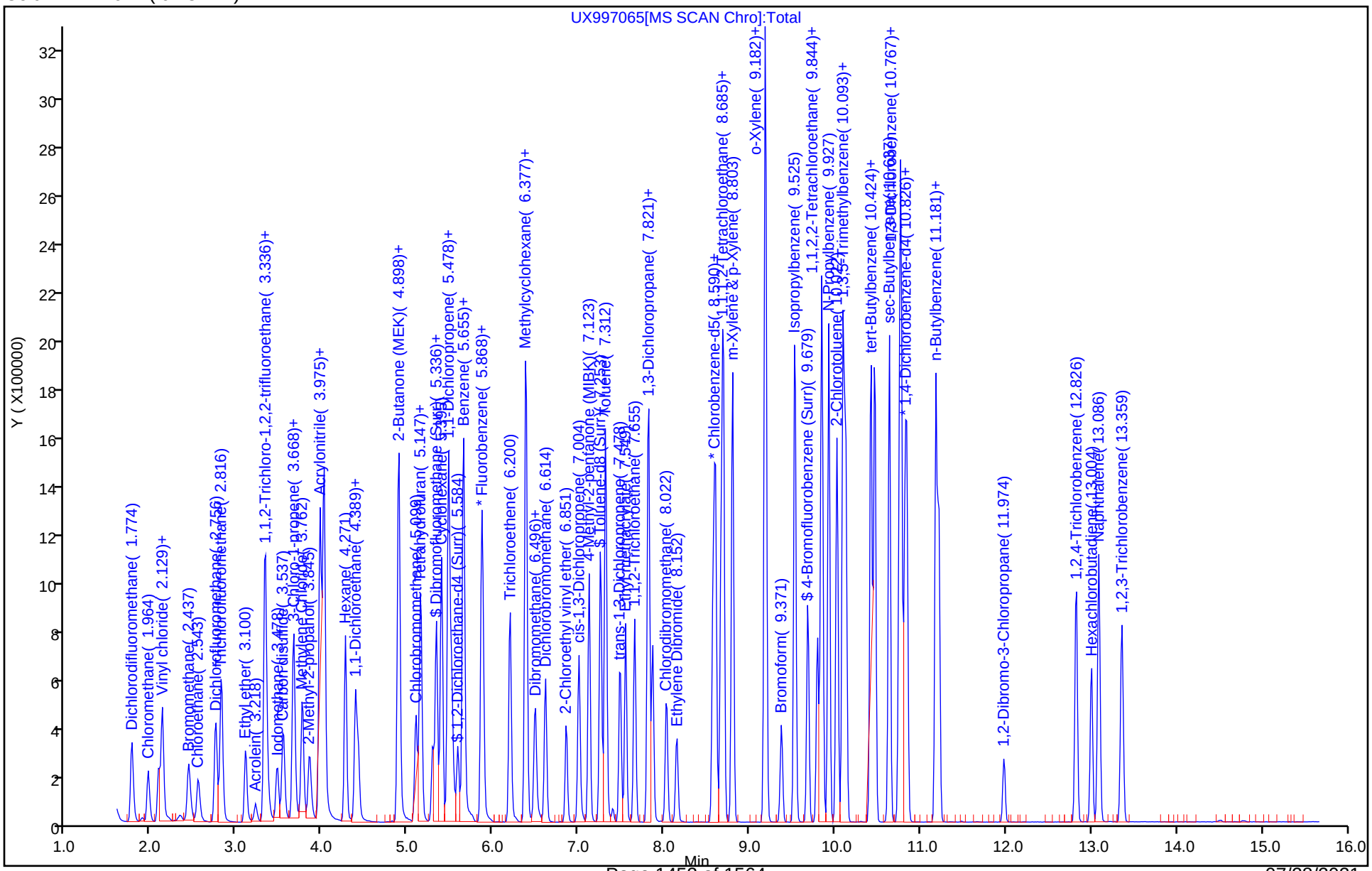
Report Date: 22-Jul-2021 13:15:46 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997065.D

Injection Date:	22-Jul-2021 11:52:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997065.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 22-Jul-2021 11:52:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111471-005
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Jul-2021 10:58:20 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: bosworthh Date: 22-Jul-2021 13:15:45

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	16.3	16.0	98.07
$ 5 1,2-Dichloroethane-d4 (Surr)	16.3	14.8	90.44
$ 6 Toluene-d8 (Surr)	16.3	15.8	96.77
$ 7 4-Bromofluorobenzene (Surr)	16.3	16.7	102.53

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-496393/5

Matrix: Water Lab File ID: U1923144.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 16:05

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	35.8		10	5.4
71-43-2	Benzene	19.3		1.0	0.42
108-86-1	Bromobenzene	19.9		1.0	0.50
74-97-5	Bromochloromethane	17.6		1.0	0.54
75-27-4	Bromodichloromethane	18.1		1.0	0.17
75-25-2	Bromoform	16.5		1.0	0.76
74-83-9	Bromomethane	21.7		1.0	0.42
78-93-3	2-Butanone	37.5		10	1.2
75-15-0	Carbon disulfide	17.7		1.0	0.59
56-23-5	Carbon tetrachloride	19.6		1.0	0.26
108-90-7	Chlorobenzene	20.1		1.0	0.38
75-00-3	Chloroethane	22.5		1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	18.0		10	1.5
67-66-3	Chloroform	18.8		1.0	0.47
74-87-3	Chloromethane	17.5		1.0	0.63
95-49-8	2-Chlorotoluene	21.1		1.0	0.57
106-43-4	4-Chlorotoluene	20.9		1.0	0.43
156-59-2	cis-1,2-Dichloroethene	18.6		1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	16.6		1.0	0.61
124-48-1	Dibromochloromethane	18.8		1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	17.1		2.0	0.91
106-93-4	1,2-Dibromoethane	19.9		1.0	0.41
74-95-3	Dibromomethane	16.9		1.0	0.40
95-50-1	1,2-Dichlorobenzene	20.6		1.0	0.48
541-73-1	1,3-Dichlorobenzene	20.5		1.0	0.45
106-46-7	1,4-Dichlorobenzene	20.3		1.0	0.41
75-71-8	Dichlorodifluoromethane	22.3		1.0	0.35
75-34-3	1,1-Dichloroethane	18.5		1.0	0.47
107-06-2	1,2-Dichloroethane	18.3		1.0	0.21
75-35-4	1,1-Dichloroethene	19.7		1.0	0.49
78-87-5	1,2-Dichloropropane	18.6		1.0	0.47
142-28-9	1,3-Dichloropropane	20.7		1.0	0.21
594-20-7	2,2-Dichloropropane	18.8		1.0	0.78
563-58-6	1,1-Dichloropropene	19.2		1.0	0.36
100-41-4	Ethylbenzene	20.6		1.0	0.42
87-68-3	Hexachlorobutadiene	16.8		1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-496393/5

Matrix: Water Lab File ID: U1923144.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 16:05

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
591-78-6	2-Hexanone	37.7		10	1.1
98-82-8	Isopropylbenzene	21.0		1.0	0.49
75-09-2	Methylene Chloride	18.3		5.0	2.6
108-10-1	4-Methyl-2-pentanone	34.4		10	0.99
1634-04-4	Methyl tert-butyl ether	17.2		1.0	0.47
179601-23-1	m-Xylene & p-Xylene	20.3		2.0	0.42
91-20-3	Naphthalene	18.7		1.0	0.80
104-51-8	n-Butylbenzene	21.7		1.0	0.60
103-65-1	n-Propylbenzene	21.5		1.0	0.57
95-47-6	o-Xylene	20.4		1.0	0.42
99-87-6	p-Isopropyltoluene	21.2		1.0	0.56
135-98-8	sec-Butylbenzene	22.3		1.0	0.53
100-42-5	Styrene	19.5		1.0	0.45
75-65-0	tert-Butyl alcohol	171		40	7.2
98-06-6	tert-Butylbenzene	21.6		1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	19.1		1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	22.0		1.0	0.60
127-18-4	Tetrachloroethene	19.7		1.0	0.44
108-88-3	Toluene	21.1		1.0	0.44
156-60-5	trans-1,2-Dichloroethene	18.3		1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	17.8		1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	17.7		1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	18.1		1.0	0.77
71-55-6	1,1,1-Trichloroethane	19.4		1.0	0.48
79-01-6	Trichloroethene	18.6		1.0	0.44
75-69-4	Trichlorofluoromethane	24.0		1.0	0.45
96-18-4	1,2,3-Trichloropropane	21.8		1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	22.1		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	21.5		1.0	0.52
108-05-4	Vinyl acetate	14.4		2.0	0.61
75-01-4	Vinyl chloride	19.7		1.0	0.45
1330-20-7	Xylenes, Total	40.7		2.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-496393/5

Matrix: Water Lab File ID: U1923144.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 16:05

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	110		47-134
1868-53-7	Dibromofluoromethane (Surr)	92		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		75-130
2037-26-5	Toluene-d8 (Surr)	102		69-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923144.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 23-Jul-2021 16:05:39 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111514-005
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Jul-2021 14:22:19 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: laveyt Date: 23-Jul-2021 16:36:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	705167	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.452	8.464	-0.012	86	515615	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	95	276261	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.404	5.416	-0.012	92	184551	20.0	18.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	99	216913	20.0	18.3	
$ 6 Toluene-d8 (Surr)	98	7.207	7.206	0.001	94	637152	20.0	20.4	
$ 7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	92	252693	20.0	22.0	
9 Dichlorodifluoromethane	85	2.072	2.072	0.000	99	212309	20.0	22.3	
10 Chloromethane	50	2.297	2.297	0.000	99	251805	20.0	17.5	
12 Vinyl chloride	62	2.428	2.427	0.001	98	267099	20.0	19.7	
11 Butadiene	54	2.451	2.451	0.000	91	249074	20.0	19.0	
13 Bromomethane	94	2.783	2.783	0.000	93	220458	20.0	21.7	
15 Chloroethane	64	2.878	2.878	0.000	99	181982	20.0	22.5	
16 Dichlorofluoromethane	67	3.080	3.080	0.000	98	470785	20.0	21.7	
17 Trichlorofluoromethane	101	3.115	3.127	-0.012	98	479083	20.0	24.0	
18 Ethyl ether	59	3.353	3.364	-0.011	91	149168	20.0	19.0	
19 Acrolein	56	3.483	3.495	-0.012	97	19343	100.0	87.7	
20 1,1-Dichloroethene	61	3.590	3.590	0.000	98	261725	20.0	19.7	
21 112TCTFE	101	3.602	3.601	0.001	94	187131	20.0	22.1	
22 Acetone	43	3.613	3.613	0.000	100	168434	40.0	35.8	
24 Iodomethane	142	3.732	3.732	0.000	99	295436	20.0	18.5	
25 Carbon disulfide	76	3.803	3.803	0.000	100	512085	20.0	17.7	
28 Methyl acetate	43	3.874	3.874	0.000	97	395630	40.0	36.8	
27 3-Chloro-1-propene	41	3.898	3.898	0.000	87	233817	20.0	16.5	
29 Methylene Chloride	49	4.005	4.005	0.000	92	218323	20.0	18.3	
30 2-Methyl-2-propanol	59	4.064	4.064	0.000	98	330679	200.0	171.0	
31 Acrylonitrile	53	4.195	4.194	0.000	98	970342	200.0	179.5	
33 Methyl tert-butyl ether	73	4.218	4.218	0.000	95	489475	20.0	17.2	
32 trans-1,2-Dichloroethene	61	4.230	4.230	0.000	97	249756	20.0	18.3	
34 Hexane	57	4.455	4.455	0.000	93	246306	20.0	20.2	
36 Vinyl acetate	43	4.562	4.562	0.000	98	323774	20.0	14.4	
35 1,1-Dichloroethane	63	4.586	4.586	0.000	96	309426	20.0	18.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Butanone (MEK)	72	5.001	5.013	-0.012	100	74657	40.0	37.5	
41 cis-1,2-Dichloroethene	96	5.036	5.036	0.000	82	205038	20.0	18.6	
42 2,2-Dichloropropane	77	5.048	5.048	0.000	88	215497	20.0	18.8	
46 Chlorobromomethane	49	5.214	5.226	-0.012	91	154334	20.0	17.6	
47 Tetrahydrofuran	42	5.238	5.238	0.000	84	175141	40.0	32.9	
48 Chloroform	83	5.286	5.285	0.001	94	331319	20.0	18.8	
49 1,1,1-Trichloroethane	97	5.440	5.440	0.000	98	307642	20.0	19.4	
50 Cyclohexane	84	5.511	5.511	0.000	88	283020	20.0	21.9	
51 1,1-Dichloropropene	75	5.558	5.558	0.000	91	262371	20.0	19.2	
53 Isobutyl alcohol	41	5.558	5.558	0.000	84	312317	500.0	434.3	
52 Carbon tetrachloride	117	5.570	5.570	0.000	97	284263	20.0	19.6	
54 Benzene	78	5.724	5.724	0.000	97	710196	20.0	19.3	
55 1,2-Dichloroethane	62	5.748	5.748	0.000	97	260751	20.0	18.3	
57 n-Heptane	57	5.902	5.914	-0.012	88	131245	20.0	19.5	
59 Trichloroethene	130	6.222	6.222	0.000	97	214102	20.0	18.6	
61 Methylcyclohexane	83	6.424	6.424	0.000	93	309286	20.0	20.8	
62 1,2-Dichloropropane	63	6.436	6.436	0.000	94	168309	20.0	18.6	
65 1,4-Dioxane	88	6.471	6.471	0.000	86	70268	400.0	424.8	
64 Dibromomethane	174	6.507	6.507	0.000	94	139052	20.0	16.9	
66 Dichlorobromomethane	83	6.626	6.625	0.001	98	239144	20.0	18.1	
68 2-Chloroethyl vinyl ether	63	6.815	6.815	0.000	94	123249	20.0	18.0	
69 cis-1,3-Dichloropropene	75	6.969	6.969	0.000	94	257824	20.0	16.6	
70 4-Methyl-2-pentanone (MIBK)	43	7.064	7.076	-0.012	97	513760	40.0	34.4	
71 Toluene	91	7.266	7.266	0.000	97	765425	20.0	21.1	
72 trans-1,3-Dichloropropene	75	7.432	7.432	0.000	97	247352	20.0	17.8	
73 Ethyl methacrylate	69	7.444	7.444	0.000	88	232837	20.0	18.9	
74 1,1,2-Trichloroethane	97	7.598	7.598	0.000	93	164589	20.0	21.3	
75 Tetrachloroethene	166	7.705	7.705	0.000	95	214041	20.0	19.7	
76 1,3-Dichloropropane	76	7.752	7.752	0.000	93	273355	20.0	20.7	
77 2-Hexanone	43	7.764	7.764	0.000	96	405904	40.0	37.7	
79 Chlorodibromomethane	129	7.942	7.942	0.000	90	180799	20.0	18.8	
81 Ethylene Dibromide	107	8.060	8.060	0.000	98	180210	20.0	19.9	
83 Chlorobenzene	112	8.487	8.487	0.000	95	481657	20.0	20.1	
84 1,1,1,2-Tetrachloroethane	131	8.547	8.547	0.001	92	179354	20.0	19.1	
85 Ethylbenzene	106	8.547	8.547	0.001	98	268614	20.0	20.6	
86 m-Xylene & p-Xylene	106	8.665	8.665	0.000	99	320805	20.0	20.3	
87 o-Xylene	106	9.009	9.009	0.000	95	316054	20.0	20.4	
88 Styrene	104	9.021	9.021	0.000	94	491008	20.0	19.5	
89 Bromoform	173	9.211	9.211	0.000	94	128689	20.0	16.5	
90 Isopropylbenzene	105	9.341	9.341	0.000	96	833247	20.0	21.0	
93 1,1,2,2-Tetrachloroethane	83	9.602	9.602	0.000	96	259426	20.0	22.0	
97 trans-1,4-Dichloro-2-butene	53	9.638	9.638	0.000	83	70574	20.0	15.4	
95 Bromobenzene	156	9.661	9.661	0.000	92	210088	20.0	19.9	
96 1,2,3-Trichloropropane	110	9.673	9.673	0.000	83	93767	20.0	21.8	
98 N-Propylbenzene	120	9.721	9.721	0.000	98	229499	20.0	21.5	
100 2-Chlorotoluene	126	9.816	9.815	0.001	96	195943	20.0	21.1	
101 1,3,5-Trimethylbenzene	105	9.875	9.875	0.000	94	665821	20.0	21.5	
102 4-Chlorotoluene	126	9.934	9.934	0.000	98	206275	20.0	20.9	
103 tert-Butylbenzene	119	10.183	10.183	0.000	93	581940	20.0	21.6	
105 1,2,4-Trimethylbenzene	105	10.231	10.230	0.001	97	678578	20.0	21.5	
106 sec-Butylbenzene	105	10.385	10.385	0.000	95	841242	20.0	22.3	
108 4-Isopropyltoluene	119	10.515	10.515	0.000	96	708356	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
107 1,3-Dichlorobenzene	146	10.515	10.515	0.000	77	400167	20.0	20.5	
109 1,4-Dichlorobenzene	146	10.610	10.610	0.000	95	405153	20.0	20.3	
112 n-Butylbenzene	91	10.907	10.906	0.000	97	621818	20.0	21.7	
113 1,2-Dichlorobenzene	146	10.954	10.954	0.000	98	382221	20.0	20.6	
114 1,2-Dibromo-3-Chloropropane	157	11.689	11.689	0.000	84	69163	20.0	17.1	
116 1,2,4-Trichlorobenzene	180	12.484	12.484	0.000	93	232529	20.0	18.1	
117 Hexachlorobutadiene	225	12.614	12.614	0.000	97	89652	20.0	16.8	
118 Naphthalene	128	12.756	12.756	0.000	98	784023	20.0	18.7	
119 1,2,3-Trichlorobenzene	180	12.994	12.994	0.000	95	214835	20.0	17.7	
S 124 Total BTEX	1				0		100.0	101.7	
S 125 Trihalomethanes, Total	1				0		80.0	72.2	
S 128 Xylenes, Total	106				0		40.0	40.7	

QC Flag Legend

Processing Flags

Reagents:

vmfasaw_00382	Amount Added: 16.00	Units: uL		
vmfaspw_00407	Amount Added: 16.00	Units: uL		
vmfasgw_00417	Amount Added: 16.00	Units: uL		
vm50ss_stk_00087	Amount Added: 2.00	Units: uL	Run Reagent	
vmDist_H2o_00198	Amount Added: 0.00	Units:	Run Reagent	
vm50is_stk_A_00008	Amount Added: 2.00	Units: uL	Run Reagent	

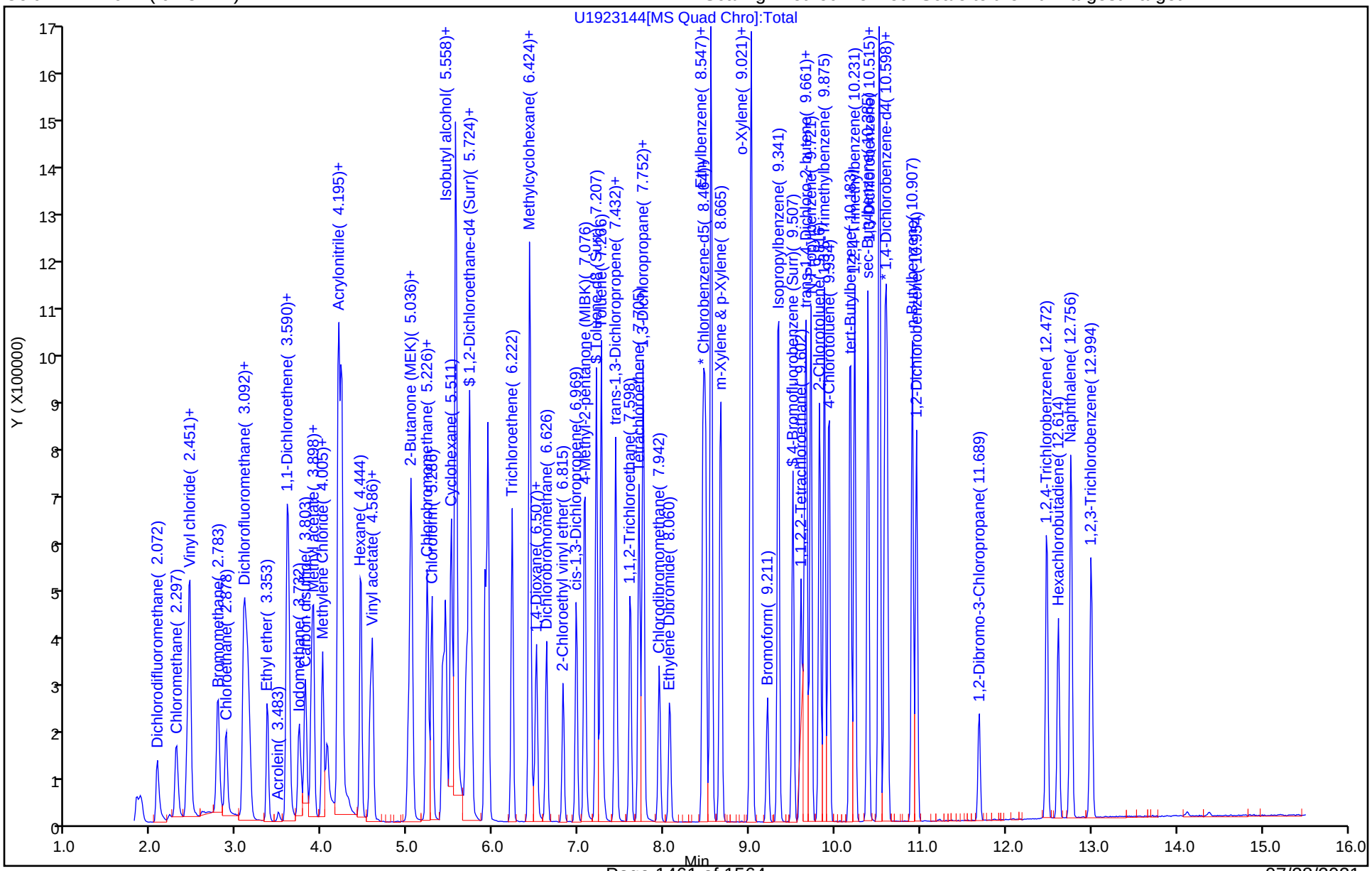
Report Date: 23-Jul-2021 16:36:46 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923144.d

Injection Date:	23-Jul-2021 16:05:39	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923144.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 23-Jul-2021 16:05:39 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111514-005
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Jul-2021 14:22:19 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: laveyt Date: 23-Jul-2021 16:36:45

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	18.5	92.34
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	18.3	91.49
$ 6 Toluene-d8 (Surr)	20.0	20.4	102.20
$ 7 4-Bromofluorobenzene (Surr)	20.0	22.0	109.94

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-496537/5

Matrix: Water Lab File ID: UXM38831.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 12:15

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.: 496537 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	39.4		10	5.4
71-43-2	Benzene	18.9		1.0	0.42
108-86-1	Bromobenzene	18.8		1.0	0.50
74-97-5	Bromochloromethane	19.8		1.0	0.54
75-27-4	Bromodichloromethane	17.9		1.0	0.17
75-25-2	Bromoform	15.9		1.0	0.76
74-83-9	Bromomethane	22.3		1.0	0.42
78-93-3	2-Butanone	40.0		10	1.2
75-15-0	Carbon disulfide	18.9		1.0	0.59
56-23-5	Carbon tetrachloride	19.8		1.0	0.26
108-90-7	Chlorobenzene	19.1		1.0	0.38
75-00-3	Chloroethane	18.8		1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	13.5		10	1.5
67-66-3	Chloroform	19.5		1.0	0.47
74-87-3	Chloromethane	19.1		1.0	0.63
95-49-8	2-Chlorotoluene	19.1		1.0	0.57
106-43-4	4-Chlorotoluene	19.1		1.0	0.43
156-59-2	cis-1,2-Dichloroethene	19.4		1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	17.9		1.0	0.61
124-48-1	Dibromochloromethane	16.8		1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	15.2		2.0	0.91
106-93-4	1,2-Dibromoethane	19.2		1.0	0.41
74-95-3	Dibromomethane	19.2		1.0	0.40
95-50-1	1,2-Dichlorobenzene	18.8		1.0	0.48
541-73-1	1,3-Dichlorobenzene	19.1		1.0	0.45
106-46-7	1,4-Dichlorobenzene	19.3		1.0	0.41
75-71-8	Dichlorodifluoromethane	17.8		1.0	0.35
75-34-3	1,1-Dichloroethane	18.2		1.0	0.47
107-06-2	1,2-Dichloroethane	19.8		1.0	0.21
75-35-4	1,1-Dichloroethene	20.4		1.0	0.49
78-87-5	1,2-Dichloropropane	18.4		1.0	0.47
142-28-9	1,3-Dichloropropane	18.2		1.0	0.21
594-20-7	2,2-Dichloropropane	18.3		1.0	0.78
563-58-6	1,1-Dichloropropene	19.3		1.0	0.36
100-41-4	Ethylbenzene	19.6		1.0	0.42
87-68-3	Hexachlorobutadiene	18.7		1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-496537/5

Matrix: Water Lab File ID: UXM38831.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 12:15

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.: 496537 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
591-78-6	2-Hexanone	34.4		10	1.1
98-82-8	Isopropylbenzene	20.0		1.0	0.49
75-09-2	Methylene Chloride	19.2		5.0	2.6
108-10-1	4-Methyl-2-pentanone	33.7		10	0.99
1634-04-4	Methyl tert-butyl ether	18.8		1.0	0.47
179601-23-1	m-Xylene & p-Xylene	19.7		2.0	0.42
91-20-3	Naphthalene	16.4		1.0	0.80
104-51-8	n-Butylbenzene	18.4		1.0	0.60
103-65-1	n-Propylbenzene	18.8		1.0	0.57
95-47-6	o-Xylene	19.9		1.0	0.42
99-87-6	p-Isopropyltoluene	19.1		1.0	0.56
135-98-8	sec-Butylbenzene	18.7		1.0	0.53
100-42-5	Styrene	21.5		1.0	0.45
75-65-0	tert-Butyl alcohol	176		40	7.2
98-06-6	tert-Butylbenzene	18.6		1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	18.9		1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	17.8		1.0	0.60
127-18-4	Tetrachloroethene	19.4		1.0	0.44
108-88-3	Toluene	18.7		1.0	0.44
156-60-5	trans-1,2-Dichloroethene	19.4		1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	17.2		1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	16.9		1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	17.2		1.0	0.77
71-55-6	1,1,1-Trichloroethane	19.8		1.0	0.48
79-01-6	Trichloroethene	19.8		1.0	0.44
75-69-4	Trichlorofluoromethane	22.3		1.0	0.45
96-18-4	1,2,3-Trichloropropane	18.0		1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	21.9		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	18.6		1.0	0.52
108-05-4	Vinyl acetate	21.2		2.0	0.61
75-01-4	Vinyl chloride	21.1		1.0	0.45
1330-20-7	Xylenes, Total	39.6		2.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-496537/5

Matrix: Water Lab File ID: UXM38831.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 12:15

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.: 496537 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		47-134
1868-53-7	Dibromofluoromethane (Surr)	101		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		75-130
2037-26-5	Toluene-d8 (Surr)	97		69-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\UXM38831.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 26-Jul-2021 12:15:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111551-005
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jul-2021 10:59:44 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: bosworthh Date: 26-Jul-2021 13:05:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.845	5.845	0.000	99	1004212	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	86	826201	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	95	480939	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.276	5.265	0.012	93	277908	22.7	22.8	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	334972	22.7	23.3	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1104031	22.7	21.9	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	90	439827	22.7	22.7	
9 Dichlorodifluoromethane	85	1.707	1.707	0.000	100	322335	20.0	17.8	
10 Chloromethane	50	1.897	1.897	0.000	99	355554	20.0	19.1	
11 Vinyl chloride	62	2.015	2.015	0.000	98	390766	20.0	21.1	
12 Butadiene	54	2.051	2.051	0.000	96	332050	20.0	18.5	
13 Bromomethane	94	2.359	2.347	0.012	91	231160	20.0	22.3	E
14 Chloroethane	64	2.478	2.478	0.000	99	195507	20.0	18.8	
15 Dichlorofluoromethane	67	2.703	2.703	0.000	97	486061	20.0	20.6	
16 Trichlorofluoromethane	101	2.727	2.727	0.000	98	448539	20.0	22.3	
17 Ethyl ether	59	3.011	3.011	0.000	88	168986	20.0	18.9	
18 Acrolein	56	3.154	3.154	0.000	99	56037	100.0	102.0	
19 1,1-Dichloroethene	96	3.248	3.237	0.011	99	227740	20.0	20.4	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.248	3.249	-0.001	92	190724	20.0	21.9	
21 Acetone	58	3.284	3.284	0.000	99	37322	40.0	39.4	
23 Iodomethane	142	3.391	3.391	0.000	98	311751	20.0	21.1	
24 Carbon disulfide	76	3.450	3.450	0.000	99	692385	20.0	18.9	
27 Methyl acetate	43	3.580	3.569	0.011	96	277835	40.0	33.4	
26 3-Chloro-1-propene	41	3.592	3.592	0.000	86	321862	20.0	16.5	
28 Methylene Chloride	84	3.711	3.711	0.000	89	253425	20.0	19.2	
29 2-Methyl-2-propanol	59	3.794	3.794	0.000	99	193933	200.0	176.0	
30 Acrylonitrile	53	3.924	3.925	0.000	98	773059	200.0	169.5	
31 Methyl tert-butyl ether	73	3.948	3.936	0.012	95	580632	20.0	18.8	
32 trans-1,2-Dichloroethene	96	3.960	3.960	0.000	98	259480	20.0	19.4	
33 Hexane	57	4.197	4.197	0.000	93	328983	20.0	18.7	
35 Vinyl acetate	43	4.339	4.340	-0.001	97	320257	20.0	21.2	
34 1,1-Dichloroethane	63	4.351	4.351	0.000	96	429013	20.0	18.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Butanone (MEK)	72	4.837	4.826	0.011	99	47288	40.0	40.0	
39 cis-1,2-Dichloroethene	96	4.849	4.849	0.000	82	288431	20.0	19.4	
41 2,2-Dichloropropane	77	4.861	4.849	0.012	89	377136	20.0	18.3	
45 Chlorobromomethane	128	5.051	5.051	0.000	94	130040	20.0	19.8	
46 Tetrahydrofuran	42	5.063	5.063	0.000	83	110382	40.0	32.7	
47 Chloroform	83	5.134	5.134	0.000	94	448211	20.0	19.5	
48 1,1,1-Trichloroethane	97	5.288	5.288	0.000	98	392137	20.0	19.8	
49 Cyclohexane	56	5.347	5.348	-0.001	88	409648	20.0	18.7	
50 1,1-Dichloropropene	75	5.419	5.419	0.000	93	328768	20.0	19.3	
51 Carbon tetrachloride	117	5.419	5.419	0.000	90	321700	20.0	19.8	
52 Isobutyl alcohol	41	5.478	5.478	0.000	93	154524	500.0	442.9	
54 Benzene	78	5.596	5.585	0.011	97	959649	20.0	18.9	
53 1,2-Dichloroethane	62	5.632	5.632	0.000	98	335273	20.0	19.8	
56 n-Heptane	57	5.822	5.822	0.000	85	209214	20.0	19.0	
58 Trichloroethene	130	6.154	6.154	0.000	96	261332	20.0	19.8	
60 Methylcyclohexane	83	6.355	6.355	0.000	89	452104	20.0	20.3	
61 1,2-Dichloropropane	63	6.379	6.379	0.000	91	220286	20.0	18.4	
64 1,4-Dioxane	88	6.426	6.427	-0.001	89	50184	400.0	347.5	
63 Dibromomethane	93	6.462	6.450	0.012	94	141029	20.0	19.2	
65 Dichlorobromomethane	83	6.604	6.605	-0.001	99	305795	20.0	17.9	
67 2-Chloroethyl vinyl ether	63	6.830	6.830	0.000	94	92490	20.0	13.5	
68 cis-1,3-Dichloropropene	75	6.984	6.984	0.000	94	353401	20.0	17.9	
69 4-Methyl-2-pentanone (MIBK)	43	7.102	7.103	-0.001	95	304492	40.0	33.7	
70 Toluene	91	7.292	7.280	0.012	98	1104912	20.0	18.7	
71 trans-1,3-Dichloropropene	75	7.482	7.482	0.000	95	319182	20.0	17.2	
72 Ethyl methacrylate	69	7.517	7.518	-0.001	87	259530	20.0	17.7	
73 1,1,2-Trichloroethane	97	7.672	7.672	0.000	90	190017	20.0	18.8	
75 Tetrachloroethene	164	7.755	7.755	0.000	98	213792	20.0	19.4	
74 1,3-Dichloropropane	76	7.826	7.814	0.012	88	336231	20.0	18.2	
76 2-Hexanone	43	7.850	7.850	0.000	95	234515	40.0	34.4	
78 Chlorodibromomethane	129	8.016	8.016	0.000	90	195835	20.0	16.8	
80 Ethylene Dibromide	107	8.134	8.134	0.000	98	193181	20.0	19.2	
82 Chlorobenzene	112	8.597	8.597	0.000	95	721571	20.0	19.1	
83 1,1,1,2-Tetrachloroethane	131	8.668	8.668	0.000	94	221409	20.0	18.9	
84 Ethylbenzene	106	8.680	8.680	0.000	98	418121	20.0	19.6	
85 m-Xylene & p-Xylene	106	8.798	8.798	0.000	97	533461	20.0	19.7	
86 o-Xylene	106	9.166	9.166	0.000	96	506277	20.0	19.9	
87 Styrene	104	9.190	9.178	0.012	95	838045	20.0	21.5	
88 Bromoform	173	9.367	9.368	-0.001	95	113435	20.0	15.9	
89 Isopropylbenzene	105	9.522	9.522	0.000	95	1339443	20.0	20.0	
92 1,1,2,2-Tetrachloroethane	83	9.818	9.818	0.000	95	236716	20.0	17.8	
93 Bromobenzene	156	9.842	9.842	0.000	95	298922	20.0	18.8	
94 trans-1,4-Dichloro-2-butene	53	9.854	9.854	0.000	81	72308	20.0	16.0	
95 1,2,3-Trichloropropane	110	9.877	9.877	0.000	83	78163	20.0	18.0	
96 N-Propylbenzene	120	9.925	9.925	0.000	99	385087	20.0	18.8	
97 2-Chlorotoluene	126	10.020	10.020	0.000	96	315892	20.0	19.1	
99 1,3,5-Trimethylbenzene	105	10.103	10.103	0.000	94	1122252	20.0	18.4	
100 4-Chlorotoluene	126	10.138	10.138	0.000	97	330280	20.0	19.1	
102 tert-Butylbenzene	119	10.411	10.411	0.000	93	980908	20.0	18.6	
104 1,2,4-Trimethylbenzene	105	10.470	10.470	0.000	97	1147943	20.0	18.6	
105 sec-Butylbenzene	105	10.636	10.636	0.000	94	1480084	20.0	18.7	
106 1,3-Dichlorobenzene	146	10.755	10.755	0.000	98	607929	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
107 4-Isopropyltoluene	119	10.779	10.779	0.000	97	1282706	20.0	19.1	
108 1,4-Dichlorobenzene	146	10.862	10.862	0.000	97	617772	20.0	19.3	
111 n-Butylbenzene	91	11.194	11.194	0.000	98	1117936	20.0	18.4	
112 1,2-Dichlorobenzene	146	11.217	11.217	0.000	97	555953	20.0	18.8	
113 1,2-Dibromo-3-Chloropropane	157	12.000	12.000	0.000	82	47606	20.0	15.2	
115 1,2,4-Trichlorobenzene	180	12.830	12.830	0.000	94	294795	20.0	17.2	
116 Hexachlorobutadiene	225	12.972	12.973	-0.001	97	144839	20.0	18.7	
117 Naphthalene	128	13.115	13.115	0.000	97	715728	20.0	16.4	
118 1,2,3-Trichlorobenzene	180	13.364	13.364	0.000	95	245417	20.0	16.9	
S 134 Trihalomethanes, Total	1				0		80.0	70.2	
S 158 Total BTEX	1				0		100.0	96.7	
S 133 Xylenes, Total	106				0		40.0	39.6	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

vmfasgw_00417	Amount Added:	16.00	Units: uL	
vmfasaw_00383	Amount Added:	16.00	Units: uL	
vmfaspw_00408	Amount Added:	16.00	Units: uL	
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00087	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

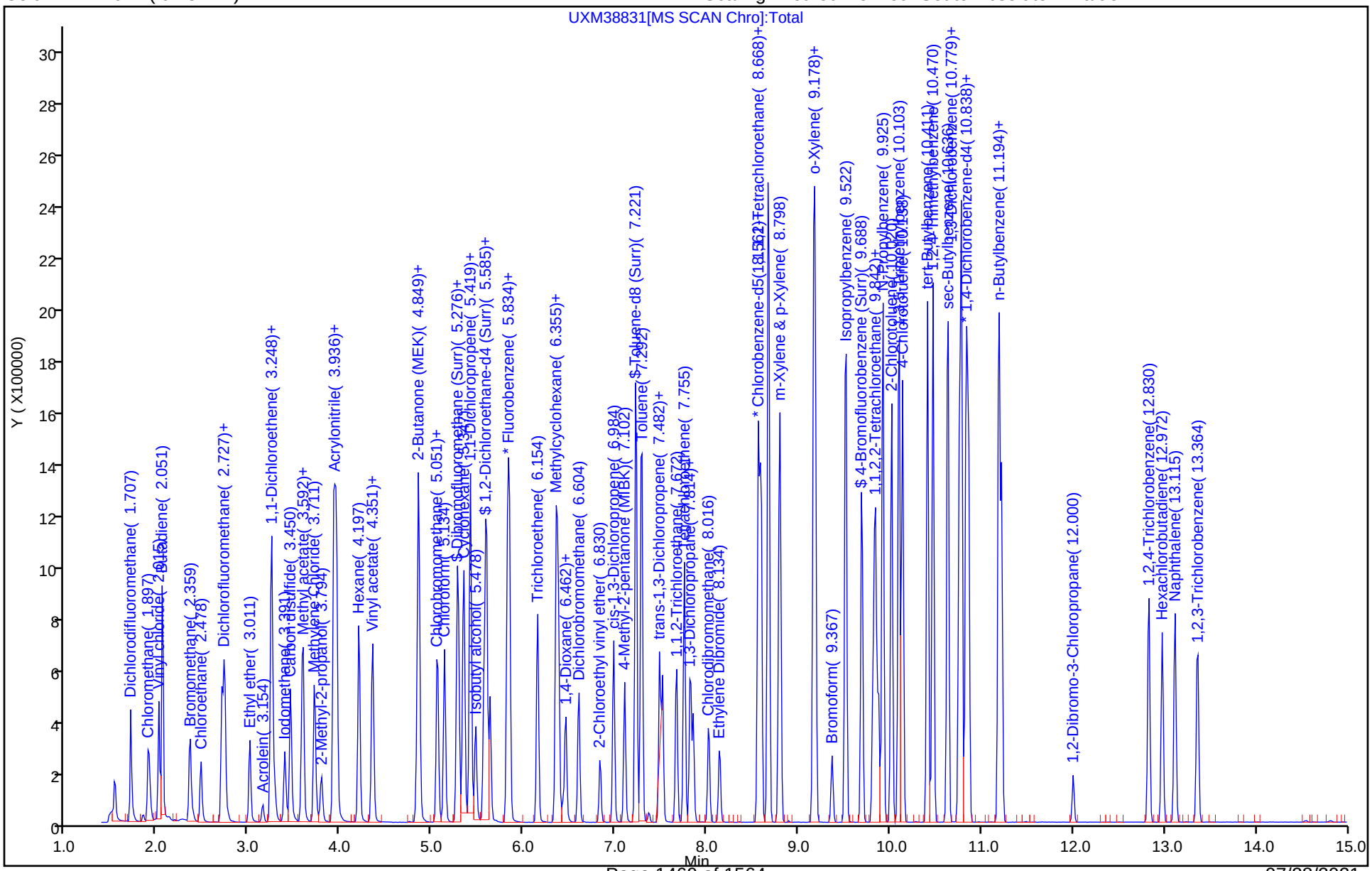
Report Date: 26-Jul-2021 13:05:18 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\UXM38831.D

Injection Date:	26-Jul-2021 12:15:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	LCS			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\UXM38831.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 26-Jul-2021 12:15:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111551-005
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 26-Jul-2021 10:59:44 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1649

First Level Reviewer: bosworthh Date: 26-Jul-2021 13:05:17

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	22.8	100.54
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	23.3	102.65
$ 6 Toluene-d8 (Surr)	22.7	21.9	96.64
$ 7 4-Bromofluorobenzene (Surr)	22.7	22.7	100.12

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCSD 240-496159/9

Matrix: Water Lab File ID: UX997069.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 13:25

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.: 496159 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	30.0		10	5.4
71-43-2	Benzene	21.7		1.0	0.42
108-86-1	Bromobenzene	19.9		1.0	0.50
74-97-5	Bromochloromethane	20.4		1.0	0.54
75-27-4	Bromodichloromethane	21.5		1.0	0.17
75-25-2	Bromoform	18.1		1.0	0.76
74-83-9	Bromomethane	19.3		1.0	0.42
78-93-3	2-Butanone	36.7		10	1.2
75-15-0	Carbon disulfide	19.0		1.0	0.59
56-23-5	Carbon tetrachloride	23.7		1.0	0.26
108-90-7	Chlorobenzene	21.1		1.0	0.38
75-00-3	Chloroethane	19.7		1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	20.6		10	1.5
67-66-3	Chloroform	22.4		1.0	0.47
74-87-3	Chloromethane	18.5		1.0	0.63
95-49-8	2-Chlorotoluene	20.4		1.0	0.57
106-43-4	4-Chlorotoluene	20.7		1.0	0.43
156-59-2	cis-1,2-Dichloroethene	22.3		1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	21.6		1.0	0.61
124-48-1	Dibromochloromethane	20.2		1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	14.5		2.0	0.91
106-93-4	1,2-Dibromoethane	20.7		1.0	0.41
74-95-3	Dibromomethane	22.8		1.0	0.40
95-50-1	1,2-Dichlorobenzene	19.9		1.0	0.48
541-73-1	1,3-Dichlorobenzene	19.9		1.0	0.45
106-46-7	1,4-Dichlorobenzene	20.2		1.0	0.41
75-71-8	Dichlorodifluoromethane	26.8		1.0	0.35
75-34-3	1,1-Dichloroethane	20.3		1.0	0.47
107-06-2	1,2-Dichloroethane	22.6		1.0	0.21
75-35-4	1,1-Dichloroethene	22.0		1.0	0.49
78-87-5	1,2-Dichloropropane	21.1		1.0	0.47
142-28-9	1,3-Dichloropropane	20.3		1.0	0.21
594-20-7	2,2-Dichloropropane	21.8		1.0	0.78
563-58-6	1,1-Dichloropropene	22.4		1.0	0.36
100-41-4	Ethylbenzene	21.0		1.0	0.42
87-68-3	Hexachlorobutadiene	18.0		1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCSD 240-496159/9

Matrix: Water Lab File ID: UX997069.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 13:25

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.: 496159 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
591-78-6	2-Hexanone	34.2		10	1.1
98-82-8	Isopropylbenzene	20.9		1.0	0.49
75-09-2	Methylene Chloride	19.2		5.0	2.6
108-10-1	4-Methyl-2-pentanone	36.4		10	0.99
1634-04-4	Methyl tert-butyl ether	21.0		1.0	0.47
179601-23-1	m-Xylene & p-Xylene	20.6		2.0	0.42
91-20-3	Naphthalene	16.7		1.0	0.80
104-51-8	n-Butylbenzene	19.7		1.0	0.60
103-65-1	n-Propylbenzene	20.8		1.0	0.57
95-47-6	o-Xylene	20.8		1.0	0.42
99-87-6	p-Isopropyltoluene	20.2		1.0	0.56
135-98-8	sec-Butylbenzene	20.5		1.0	0.53
100-42-5	Styrene	22.4		1.0	0.45
75-65-0	tert-Butyl alcohol	173		40	7.2
98-06-6	tert-Butylbenzene	21.2		1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	20.5		1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	18.7		1.0	0.60
127-18-4	Tetrachloroethene	21.6		1.0	0.44
108-88-3	Toluene	21.3		1.0	0.44
156-60-5	trans-1,2-Dichloroethene	21.1		1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	20.3		1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	17.9		1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	18.8		1.0	0.77
71-55-6	1,1,1-Trichloroethane	23.0		1.0	0.48
79-01-6	Trichloroethene	23.5		1.0	0.44
75-69-4	Trichlorofluoromethane	26.1		1.0	0.45
96-18-4	1,2,3-Trichloropropane	18.4		1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	21.9		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	20.4		1.0	0.52
108-05-4	Vinyl acetate	14.9		2.0	0.61
75-01-4	Vinyl chloride	20.2		1.0	0.45
1330-20-7	Xylenes, Total	41.4		2.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCSD 240-496159/9

Matrix: Water Lab File ID: UX997069.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/22/2021 13:25

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.: 496159 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	109		47-134
1868-53-7	Dibromofluoromethane (Surr)	102		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		75-130
2037-26-5	Toluene-d8 (Surr)	104		69-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997069.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 22-Jul-2021 13:25:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111471-009
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Jul-2021 13:55:26 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: bosworthh Date: 22-Jul-2021 13:55:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.877	5.877	0.000	99	751965	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.575	8.575	0.000	85	617779	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.823	10.823	0.000	92	349448	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.297	5.287	0.010	93	207642	16.3	16.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.593	5.582	0.011	98	229631	16.3	16.1	
$ 6 Toluene-d8 (Surr)	98	7.261	7.251	0.010	93	907042	16.3	17.0	
$ 7 4-Bromofluorobenzene (Surr)	95	9.687	9.677	0.010	93	359327	16.3	17.8	
9 Dichlorodifluoromethane	85	1.771	1.760	0.011	99	413581	20.0	26.8	
10 Chloromethane	50	1.960	1.962	-0.002	99	278668	20.0	18.5	
11 Vinyl chloride	62	2.090	2.080	0.010	99	305241	20.0	20.2	
12 Butadiene	54	2.126	2.127	-0.001	94	260071	20.0	18.8	
13 Bromomethane	94	2.445	2.435	0.010	93	233099	20.0	19.3	
15 Chloroethane	64	2.552	2.541	0.011	99	218348	20.0	19.7	
16 Dichlorofluoromethane	67	2.753	2.743	0.011	100	544664	20.0	23.6	
17 Trichlorofluoromethane	101	2.824	2.814	0.010	99	573077	20.0	26.1	
18 Ethyl ether	59	3.108	3.097	0.011	87	199770	20.0	19.0	
21 Acrolein	56	3.214	3.216	-0.002	98	74812	100.0	124.5	
24 1,1-Dichloroethene	61	3.333	3.322	0.011	98	401172	20.0	22.0	
22 112TCTFE	101	3.333	3.322	0.011	94	297604	20.0	21.9	
23 Acetone	58	3.368	3.358	0.010	99	57827	40.0	30.0	
25 Iodomethane	142	3.475	3.464	0.011	99	330112	20.0	23.2	
26 Carbon disulfide	76	3.546	3.535	0.011	100	686273	20.0	19.0	
28 3-Chloro-1-propene	41	3.664	3.654	0.010	86	353154	20.0	17.7	
29 Methyl acetate	43	3.676	3.665	0.011	96	449278	40.0	35.0	
30 Methylene Chloride	49	3.771	3.760	0.011	88	320401	20.0	19.2	
31 2-Methyl-2-propanol	59	3.853	3.843	0.010	99	407431	200.0	173.2	
32 Acrylonitrile	53	3.972	3.973	-0.001	98	1187775	200.0	175.7	
33 Methyl tert-butyl ether	73	4.019	4.009	0.010	95	926189	20.0	21.0	
34 trans-1,2-Dichloroethene	61	4.019	4.020	-0.001	94	360964	20.0	21.1	
35 Hexane	57	4.268	4.269	-0.001	91	377761	20.0	21.1	
36 1,1-Dichloroethane	63	4.386	4.387	-0.001	97	480022	20.0	20.3	
37 Vinyl acetate	43	4.421	4.423	-0.002	98	458973	20.0	14.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
43 cis-1,2-Dichloroethene	96	4.895	4.884	0.011	80	326573	20.0	22.3	
41 2-Butanone (MEK)	72	4.895	4.884	0.011	99	91685	40.0	36.7	
42 2,2-Dichloropropane	77	4.895	4.896	-0.001	88	514377	20.0	21.8	
47 Chlorobromomethane	49	5.096	5.085	0.011	90	202427	20.0	20.4	
48 Tetrahydrofuran	42	5.143	5.145	-0.002	81	190302	40.0	32.9	
49 Chloroform	83	5.155	5.156	-0.001	97	531641	20.0	22.4	
50 1,1,1-Trichloroethane	97	5.333	5.334	-0.001	98	529819	20.0	23.0	
51 Cyclohexane	84	5.392	5.393	-0.001	88	507800	20.0	22.3	
53 Carbon tetrachloride	117	5.486	5.476	0.010	97	471665	20.0	23.7	
52 1,1-Dichloropropene	75	5.475	5.476	-0.001	96	417140	20.0	22.4	
54 Isobutyl alcohol	41	5.510	5.511	-0.001	90	268972	500.0	410.1	
56 1,2-Dichloroethane	62	5.652	5.653	-0.001	60	409077	20.0	22.6	
55 Benzene	78	5.652	5.653	-0.001	95	1144645	20.0	21.7	
58 n-Heptane	71	5.865	5.855	0.010	83	233722	20.0	18.8	
60 Trichloroethene	130	6.196	6.198	-0.002	95	343733	20.0	23.5	
62 Methylcyclohexane	83	6.386	6.375	0.011	89	528469	20.0	22.1	
63 1,2-Dichloropropane	63	6.386	6.387	-0.001	91	263779	20.0	21.1	
65 1,4-Dioxane	88	6.492	6.494	-0.002	43	89915	400.0	394.0	
66 Dibromomethane	174	6.492	6.494	-0.002	94	198861	20.0	22.8	
67 Dichlorobromomethane	83	6.611	6.612	-0.002	98	392222	20.0	21.5	
69 2-Chloroethyl vinyl ether	63	6.859	6.848	0.011	96	171630	20.0	20.6	
71 cis-1,3-Dichloropropene	75	7.001	7.002	-0.001	94	414809	20.0	21.6	
72 4-Methyl-2-pentanone (MIBK)	43	7.119	7.121	-0.002	95	622204	40.0	36.4	
73 Toluene	91	7.320	7.310	0.010	98	1330196	20.0	21.3	
74 trans-1,3-Dichloropropene	75	7.486	7.487	-0.001	94	384535	20.0	20.3	
75 Ethyl methacrylate	69	7.545	7.547	-0.002	87	412167	20.0	19.5	
76 1,1,2-Trichloroethane	97	7.652	7.653	-0.001	95	280162	20.0	20.7	
77 1,3-Dichloropropane	76	7.817	7.807	0.010	89	464543	20.0	20.3	
78 Tetrachloroethene	166	7.817	7.819	-0.002	98	364191	20.0	21.6	
80 2-Hexanone	43	7.865	7.866	-0.001	94	456101	40.0	34.2	
82 Chlorodibromomethane	129	8.030	8.032	-0.002	89	302899	20.0	20.2	
83 Ethylene Dibromide	107	8.149	8.150	-0.001	98	275658	20.0	20.7	
85 Chlorobenzene	112	8.598	8.600	-0.002	96	859312	20.0	21.1	
86 1,1,1,2-Tetrachloroethane	131	8.669	8.671	-0.002	94	324463	20.0	20.5	
87 Ethylbenzene	106	8.693	8.694	-0.001	98	504248	20.0	21.0	
88 m-Xylene & p-Xylene	106	8.800	8.801	-0.001	99	614552	20.0	20.6	
89 o-Xylene	106	9.178	9.180	-0.002	95	601373	20.0	20.8	
90 Styrene	104	9.190	9.191	-0.001	93	955701	20.0	22.4	
91 Bromoform	173	9.379	9.369	0.010	94	203725	20.0	18.1	
92 Isopropylbenzene	105	9.533	9.535	-0.002	96	1574148	20.0	20.9	
94 1,1,2,2-Tetrachloroethane	83	9.794	9.795	-0.001	97	383536	20.0	18.7	
95 Bromobenzene	156	9.841	9.842	-0.001	95	365349	20.0	19.9	
97 1,2,3-Trichloropropane	110	9.853	9.854	-0.001	84	150330	20.0	18.4	
96 trans-1,4-Dichloro-2-butene	53	9.853	9.854	-0.001	73	122059	20.0	19.3	
98 N-Propylbenzene	120	9.936	9.925	0.011	98	451885	20.0	20.8	
100 2-Chlorotoluene	126	10.030	10.020	0.010	96	369393	20.0	20.4	
101 1,3,5-Trimethylbenzene	105	10.089	10.091	-0.002	94	1269047	20.0	20.1	
102 4-Chlorotoluene	126	10.125	10.126	-0.001	98	388190	20.0	20.7	
104 tert-Butylbenzene	119	10.421	10.422	-0.001	92	1291900	20.0	21.2	
106 1,2,4-Trimethylbenzene	105	10.468	10.469	-0.001	93	1288501	20.0	20.4	
107 sec-Butylbenzene	134	10.634	10.635	-0.001	94	357515	20.0	20.5	
108 1,3-Dichlorobenzene	146	10.752	10.753	-0.001	97	704982	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
109 4-Isopropyltoluene	119	10.776	10.777	-0.001	97	1371306	20.0	20.2	
110 1,4-Dichlorobenzene	146	10.847	10.836	0.011	95	724066	20.0	20.2	
113 n-Butylbenzene	91	11.178	11.179	-0.001	97	1080836	20.0	19.7	
114 1,2-Dichlorobenzene	146	11.213	11.215	-0.002	97	674380	20.0	19.9	
115 1,2-Dibromo-3-Chloropropane	157	11.983	11.984	-0.001	84	84867	20.0	14.5	
117 1,2,4-Trichlorobenzene	180	12.823	12.824	-0.001	94	386038	20.0	18.8	
118 Hexachlorobutadiene	225	13.000	13.002	-0.002	96	142684	20.0	18.0	
119 Naphthalene	128	13.083	13.084	-0.001	97	1140137	20.0	16.7	
120 1,2,3-Trichlorobenzene	180	13.355	13.357	-0.002	94	343214	20.0	17.9	
S 158 Total BTEX	1				0		100.0	105.3	
S 130 Trihalomethanes, Total	83				0		80.0	82.2	
S 131 Xylenes, Total	106				0		40.0	41.4	

QC Flag Legend

Processing Flags

Reagents:

vmfasgw_00417	Amount Added: 16.00	Units: uL		
vmfaspw_00407	Amount Added: 16.00	Units: uL		
vmfasaw_00382	Amount Added: 16.00	Units: uL		
vmDist_H2o_00198	Amount Added: 0.00	Units:	Run Reagent	
vm40mL_vials_00016	Amount Added: 0.00	Units:	Run Reagent	
vm50is_stk_A_00009	Amount Added: 2.00	Units: uL	Run Reagent	
vm50ss_stk_00087	Amount Added: 1.63	Units: uL	Run Reagent	

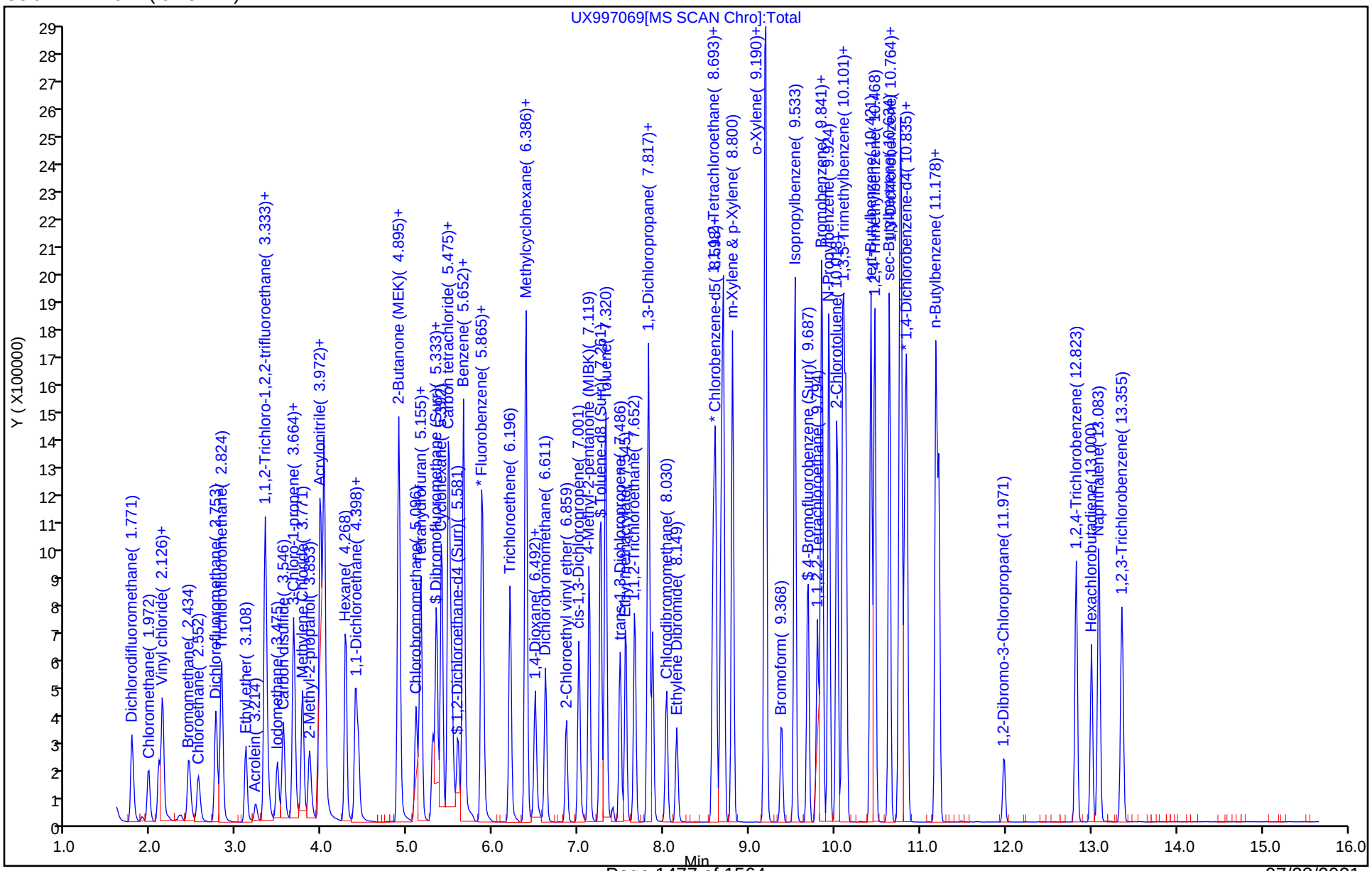
Report Date: 22-Jul-2021 13:55:27 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997069.D

Injection Date:	22-Jul-2021 13:25:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	LCSD			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\UX997069.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 22-Jul-2021 13:25:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0111471-009
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210722-111471.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Jul-2021 13:55:26 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1647

First Level Reviewer: bosworthh Date: 22-Jul-2021 13:55:26

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	16.3	16.6	101.81
$ 5 1,2-Dichloroethane-d4 (Surr)	16.3	16.1	98.69
$ 6 Toluene-d8 (Surr)	16.3	17.0	103.85
$ 7 4-Bromofluorobenzene (Surr)	16.3	17.8	109.04

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 240-152672-C-3 MS

Matrix: Water Lab File ID: UX997024.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 20:31

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.: 495770 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	623		200	110
71-43-2	Benzene	420		20	8.4
75-27-4	Bromodichloromethane	423		20	3.4
75-25-2	Bromoform	357		20	15
74-83-9	Bromomethane	369		20	8.4
78-93-3	2-Butanone	730		200	23
75-15-0	Carbon disulfide	331		20	12
56-23-5	Carbon tetrachloride	417		20	5.2
108-90-7	Chlorobenzene	405		20	7.6
75-00-3	Chloroethane	382		20	17
67-66-3	Chloroform	439		20	9.4
74-87-3	Chloromethane	356		20	13
156-59-2	cis-1,2-Dichloroethene	935		20	9.2
10061-01-5	cis-1,3-Dichloropropene	413		20	12
124-48-1	Dibromochloromethane	391		20	7.8
96-12-8	1,2-Dibromo-3-Chloropropane	294		40	18
106-93-4	1,2-Dibromoethane	403		20	8.2
95-50-1	1,2-Dichlorobenzene	370		20	9.6
541-73-1	1,3-Dichlorobenzene	366		20	9.0
106-46-7	1,4-Dichlorobenzene	380		20	8.2
75-71-8	Dichlorodifluoromethane	418		20	7.0
75-34-3	1,1-Dichloroethane	392		20	9.4
107-06-2	1,2-Dichloroethane	462		20	4.2
75-35-4	1,1-Dichloroethene	389		20	9.8
78-87-5	1,2-Dichloropropane	418		20	9.4
100-41-4	Ethylbenzene	376		20	8.4
591-78-6	2-Hexanone	742		200	22
98-82-8	Isopropylbenzene	367		20	9.8
75-09-2	Methylene Chloride	382		100	52
108-10-1	4-Methyl-2-pentanone	804		200	20
1634-04-4	Methyl tert-butyl ether	403		20	9.4
179601-23-1	m-Xylene & p-Xylene	380		40	8.4
95-47-6	o-Xylene	380		20	8.4
100-42-5	Styrene	415		20	9.0
79-34-5	1,1,2,2-Tetrachloroethane	385		20	12
127-18-4	Tetrachloroethene	376		20	8.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 240-152672-C-3 MS

Matrix: Water Lab File ID: UX997024.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 20:31

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.: 495770 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	393		20	8.8
156-60-5	trans-1,2-Dichloroethene	393		20	10
10061-02-6	trans-1,3-Dichloropropene	395		20	13
120-82-1	1,2,4-Trichlorobenzene	359		20	15
71-55-6	1,1,1-Trichloroethane	421		20	9.6
75-69-4	Trichlorofluoromethane	410		20	9.0
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	336		20	8.2
75-01-4	Vinyl chloride	530		20	9.0
1330-20-7	Xylenes, Total	760		40	8.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	107		47-134
1868-53-7	Dibromofluoromethane (Surr)	102		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		75-130
2037-26-5	Toluene-d8 (Surr)	103		69-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\UX997024.D
Lims ID: 240-152672-C-3 MS
Client ID:
Sample Type: MS
Inject. Date: 20-Jul-2021 20:31:30 ALS Bottle#: 29 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Sample Info: 240-0111393-029
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Jul-2021 09:16:36 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: bosworthh Date: 21-Jul-2021 09:21:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.877	5.879	-0.002	99	641159	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.575	8.577	-0.002	86	537718	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.812	10.813	-0.001	92	297043	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.297	5.288	0.009	92	176959	16.3	16.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.593	5.584	0.009	99	195743	16.3	16.1	
$ 6 Toluene-d8 (Surr)	98	7.262	7.252	0.010	93	780272	16.3	16.8	
$ 7 4-Bromofluorobenzene (Surr)	95	9.676	9.678	-0.002	91	305896	16.3	17.4	
9 Dichlorodifluoromethane	85	1.771	1.773	-0.002	100	275318	20.0	20.9	
10 Chloromethane	50	1.972	1.963	0.009	99	227984	20.0	17.8	
11 Vinyl chloride	62	2.091	2.093	-0.002	100	341889	20.0	26.5	
13 Bromomethane	94	2.446	2.436	0.010	92	190276	20.0	18.5	
15 Chloroethane	64	2.552	2.554	-0.002	99	180140	20.0	19.1	
17 Trichlorofluoromethane	101	2.824	2.827	-0.003	99	383966	20.0	20.5	
24 1,1-Dichloroethene	61	3.333	3.324	0.009	97	302842	20.0	19.4	
22 112TCTFE	101	3.333	3.335	-0.002	93	195284	20.0	16.8	
23 Acetone	58	3.369	3.359	0.010	99	51281	40.0	31.2	
26 Carbon disulfide	76	3.546	3.548	-0.002	100	511108	20.0	16.6	
29 Methyl acetate	43	3.676	3.667	0.009	97	396968	40.0	36.2	
30 Methylene Chloride	49	3.771	3.761	0.010	90	271113	20.0	19.1	
33 Methyl tert-butyl ether	73	4.019	4.022	-0.003	96	756570	20.0	20.1	
34 trans-1,2-Dichloroethene	61	4.019	4.022	-0.003	95	286717	20.0	19.7	
36 1,1-Dichloroethane	63	4.386	4.389	-0.003	97	394657	20.0	19.6	
41 2-Butanone (MEK)	72	4.895	4.886	0.009	56	77764	40.0	36.5	
43 cis-1,2-Dichloroethene	96	4.895	4.897	-0.002	85	585193	20.0	46.8	
49 Chloroform	83	5.155	5.158	-0.003	96	443619	20.0	21.9	
50 1,1,1-Trichloroethane	97	5.333	5.335	-0.002	98	413175	20.0	21.1	
51 Cyclohexane	84	5.404	5.394	0.010	88	362792	20.0	18.7	
53 Carbon tetrachloride	117	5.487	5.489	-0.002	98	354365	20.0	20.9	
56 1,2-Dichloroethane	62	5.652	5.655	-0.003	62	356202	20.0	23.1	
55 Benzene	78	5.652	5.655	-0.003	96	945525	20.0	21.0	
60 Trichloroethene	130	6.197	6.199	-0.002	95	986266	20.0	79.2	E
62 Methylcyclohexane	83	6.386	6.376	0.010	88	372076	20.0	18.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
63 1,2-Dichloropropane	63	6.386	6.388	-0.002	91	222905	20.0	20.9	
67 Dichlorobromomethane	83	6.611	6.613	-0.002	98	329431	20.0	21.1	
71 cis-1,3-Dichloropropene	75	7.001	7.004	-0.003	94	337112	20.0	20.6	
72 4-Methyl-2-pentanone (MIBK)	43	7.120	7.122	-0.002	96	586168	40.0	40.2	
73 Toluene	91	7.321	7.311	0.010	98	1068579	20.0	19.6	
74 trans-1,3-Dichloropropene	75	7.487	7.489	-0.003	94	324698	20.0	19.7	
76 1,1,2-Trichloroethane	97	7.652	7.654	-0.002	95	237237	20.0	20.2	
78 Tetrachloroethene	166	7.818	7.820	-0.002	81	275329	20.0	18.8	
80 2-Hexanone	43	7.865	7.867	-0.002	96	430109	40.0	37.1	
82 Chlorodibromomethane	129	8.031	8.021	0.010	90	255278	20.0	19.6	
83 Ethylene Dibromide	107	8.149	8.151	-0.002	97	234157	20.0	20.2	
85 Chlorobenzene	112	8.599	8.601	-0.002	95	717644	20.0	20.2	
87 Ethylbenzene	106	8.693	8.696	-0.003	98	393254	20.0	18.8	
88 m-Xylene & p-Xylene	106	8.800	8.802	-0.002	99	492799	20.0	19.0	
89 o-Xylene	106	9.179	9.181	-0.002	96	479301	20.0	19.0	
90 Styrene	104	9.190	9.193	-0.003	92	771383	20.0	20.7	
91 Bromoform	173	9.380	9.370	0.010	96	174842	20.0	17.8	
92 Isopropylbenzene	105	9.534	9.536	-0.002	96	1202499	20.0	18.3	
94 1,1,2,2-Tetrachloroethane	83	9.794	9.796	-0.002	97	335794	20.0	19.2	
108 1,3-Dichlorobenzene	146	10.752	10.755	-0.003	98	551533	20.0	18.3	
110 1,4-Dichlorobenzene	146	10.847	10.837	0.010	94	580264	20.0	19.0	
114 1,2-Dichlorobenzene	146	11.214	11.216	-0.002	98	532663	20.0	18.5	
115 1,2-Dibromo-3-Chloropropane	157	11.983	11.973	0.010	92	73097	20.0	14.7	
117 1,2,4-Trichlorobenzene	180	12.823	12.825	-0.002	94	312831	20.0	18.0	
S 131 Xylenes, Total	106				0		40.0	38.0	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

vmfasgw_00416	Amount Added:	16.00	Units: uL	
vmfaspw_00407	Amount Added:	16.00	Units: uL	
vmfasaw_00382	Amount Added:	16.00	Units: uL	
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm40mL_vials_00016	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	1.63	Units: uL	Run Reagent

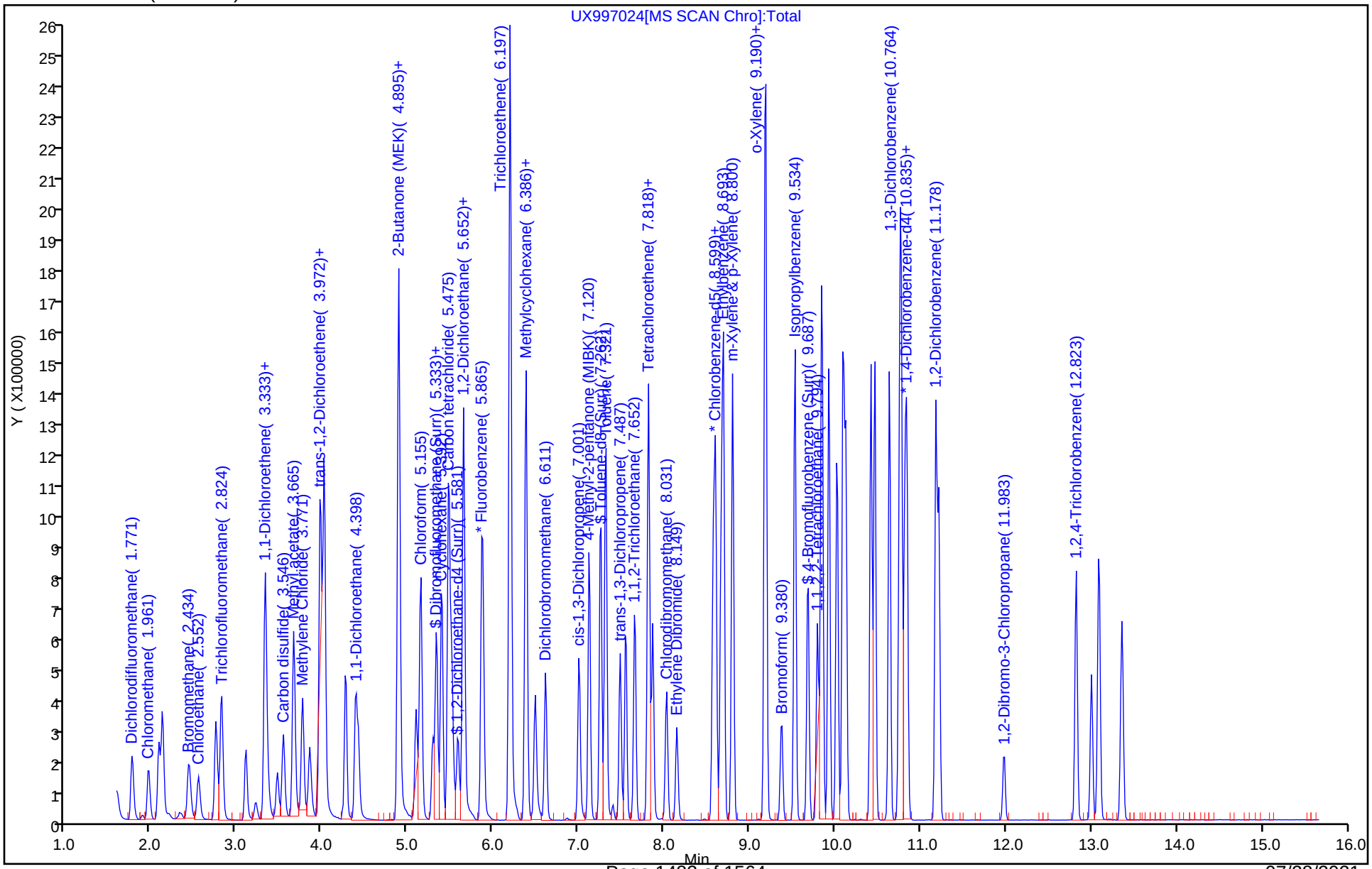
Report Date: 21-Jul-2021 09:21:30 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\UX997024.D

Injection Date:	20-Jul-2021 20:31:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	240-152672-C-3 MS			Worklist Smp#:	29
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	20.0000	ALS Bottle#:	29
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\UX997024.D
Lims ID: 240-152672-C-3 MS
Client ID:
Sample Type: MS
Inject. Date: 20-Jul-2021 20:31:30 ALS Bottle#: 29 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Sample Info: 240-0111393-029
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Jul-2021 09:16:36 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: bosworthh Date: 21-Jul-2021 09:21:29

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	16.3	16.6	101.76
$ 5 1,2-Dichloroethane-d4 (Surr)	16.3	16.1	98.66
$ 6 Toluene-d8 (Surr)	16.3	16.8	102.63
$ 7 4-Bromofluorobenzene (Surr)	16.3	17.4	106.65

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 240-152987-E-2 MS

Matrix: Water Lab File ID: UX997041.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 14:57

Soil Aliquot Vol: Dilution Factor: 500

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 495975 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	15500		5000	2700
71-43-2	Benzene	25200		500	210
75-27-4	Bromodichloromethane	10800		500	85
75-25-2	Bromoform	9150		500	380
74-83-9	Bromomethane	8960		500	210
78-93-3	2-Butanone	18800		5000	580
75-15-0	Carbon disulfide	9570		500	300
56-23-5	Carbon tetrachloride	11600		500	130
108-90-7	Chlorobenzene	10500		500	190
75-00-3	Chloroethane	9180		500	420
67-66-3	Chloroform	11400		500	240
74-87-3	Chloromethane	8500		500	320
156-59-2	cis-1,2-Dichloroethene	11000		500	230
10061-01-5	cis-1,3-Dichloropropene	11000		500	310
124-48-1	Dibromochloromethane	9880		500	200
96-12-8	1,2-Dibromo-3-Chloropropane	8090		1000	460
106-93-4	1,2-Dibromoethane	10400		500	210
95-50-1	1,2-Dichlorobenzene	10100		500	240
541-73-1	1,3-Dichlorobenzene	10100		500	230
106-46-7	1,4-Dichlorobenzene	10200		500	210
75-71-8	Dichlorodifluoromethane	12600		500	180
75-34-3	1,1-Dichloroethane	10400		500	240
107-06-2	1,2-Dichloroethane	11800		500	110
75-35-4	1,1-Dichloroethene	10700		500	250
78-87-5	1,2-Dichloropropane	11000		500	240
100-41-4	Ethylbenzene	11400		500	210
591-78-6	2-Hexanone	18500		5000	560
98-82-8	Isopropylbenzene	10500		500	250
75-09-2	Methylene Chloride	9750		2500	1300
108-10-1	4-Methyl-2-pentanone	19600		5000	500
1634-04-4	Methyl tert-butyl ether	10600		500	240
179601-23-1	m-Xylene & p-Xylene	11900		1000	210
95-47-6	o-Xylene	11000		500	210
100-42-5	Styrene	11900		500	230
79-34-5	1,1,2,2-Tetrachloroethane	9650		500	300
127-18-4	Tetrachloroethene	10600		500	220

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 240-152987-E-2 MS

Matrix: Water Lab File ID: UX997041.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 14:57

Soil Aliquot Vol: Dilution Factor: 500

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 495975 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	15200		500	220
156-60-5	trans-1,2-Dichloroethene	10600		500	260
10061-02-6	trans-1,3-Dichloropropene	10400		500	340
120-82-1	1,2,4-Trichlorobenzene	9630		500	390
71-55-6	1,1,1-Trichloroethane	11600		500	240
79-01-6	Trichloroethene	11700		500	220
75-69-4	Trichlorofluoromethane	11800		500	230
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	10500		500	210
75-01-4	Vinyl chloride	9600		500	230
1330-20-7	Xylenes, Total	22900		1000	210

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	107		47-134
1868-53-7	Dibromofluoromethane (Surr)	103		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		75-130
2037-26-5	Toluene-d8 (Surr)	101		69-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\UX997041.D
Lims ID: 240-152987-E-2 MS
Client ID:
Sample Type: MS
Inject. Date: 21-Jul-2021 14:57:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 500.0000
Sample Info: 240-0111430-013
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Jul-2021 13:18:26 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: bosworthh Date: 21-Jul-2021 15:22:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.876	5.880	-0.004	99	733223	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.574	8.578	-0.004	85	609798	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.811	10.815	-0.004	92	338932	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.297	5.287	0.010	93	204658	16.3	16.8	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.592	5.583	0.009	99	221808	16.3	16.0	
$ 6 Toluene-d8 (Surr)	98	7.261	7.252	0.009	93	871387	16.3	16.5	
$ 7 4-Bromofluorobenzene (Surr)	95	9.687	9.677	0.009	92	347487	16.3	17.4	
9 Dichlorodifluoromethane	85	1.770	1.773	-0.003	99	379946	20.0	25.2	
10 Chloromethane	50	1.960	1.962	-0.002	99	249037	20.0	17.0	
11 Vinyl chloride	62	2.090	2.081	0.009	99	283203	20.0	19.2	
13 Bromomethane	94	2.433	2.436	-0.003	92	211202	20.0	17.9	
15 Chloroethane	64	2.551	2.542	0.009	99	198178	20.0	18.4	
17 Trichlorofluoromethane	101	2.823	2.814	0.009	99	503413	20.0	23.5	
24 1,1-Dichloroethene	61	3.332	3.323	0.009	98	382673	20.0	21.5	
22 112TCTFE	101	3.332	3.335	-0.003	92	277922	20.0	20.9	
23 Acetone	58	3.368	3.359	0.009	99	58456	40.0	31.1	
26 Carbon disulfide	76	3.545	3.536	0.009	100	675664	20.0	19.1	
29 Methyl acetate	43	3.675	3.666	0.009	96	465070	40.0	37.1	
30 Methylene Chloride	49	3.770	3.761	0.009	89	317010	20.0	19.5	
34 trans-1,2-Dichloroethene	61	4.019	4.021	-0.002	96	352085	20.0	21.1	
33 Methyl tert-butyl ether	73	4.019	4.021	-0.002	95	907212	20.0	21.1	
36 1,1-Dichloroethane	63	4.385	4.388	-0.003	97	480220	20.0	20.9	
41 2-Butanone (MEK)	72	4.894	4.885	0.009	90	91677	40.0	37.6	
43 cis-1,2-Dichloroethene	96	4.894	4.885	0.009	83	315557	20.0	22.1	
49 Chloroform	83	5.155	5.157	-0.002	97	525493	20.0	22.7	
50 1,1,1-Trichloroethane	97	5.332	5.335	-0.003	97	520843	20.0	23.2	
51 Cyclohexane	84	5.391	5.394	-0.003	88	503244	20.0	22.7	
53 Carbon tetrachloride	117	5.486	5.477	0.009	98	452255	20.0	23.3	
56 1,2-Dichloroethane	62	5.652	5.654	-0.002	48	415573	20.0	23.6	
55 Benzene	78	5.652	5.654	-0.002	96	2591200	20.0	50.4	
60 Trichloroethene	130	6.196	6.198	-0.002	95	332543	20.0	23.3	
62 Methylcyclohexane	83	6.385	6.376	0.009	88	537021	20.0	23.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
63 1,2-Dichloropropane	63	6.385	6.388	-0.003	92	268560	20.0	22.0	
67 Dichlorobromomethane	83	6.610	6.613	-0.003	99	386367	20.0	21.7	
71 cis-1,3-Dichloropropene	75	7.000	7.003	-0.003	94	410510	20.0	22.0	
72 4-Methyl-2-pentanone (MIBK)	43	7.119	7.121	-0.002	95	653214	40.0	39.2	
73 Toluene	91	7.320	7.311	0.009	98	1871719	20.0	30.3	
74 trans-1,3-Dichloropropene	75	7.486	7.488	-0.002	94	387850	20.0	20.8	
76 1,1,2-Trichloroethane	97	7.651	7.654	-0.003	95	271833	20.0	20.4	
78 Tetrachloroethene	166	7.817	7.820	-0.003	98	351902	20.0	21.2	
80 2-Hexanone	43	7.864	7.867	-0.003	95	485715	40.0	36.9	
82 Chlorodibromomethane	129	8.030	8.021	0.009	90	292477	20.0	19.8	
83 Ethylene Dibromide	107	8.148	8.151	-0.003	98	274829	20.0	20.9	
85 Chlorobenzene	112	8.598	8.601	-0.003	95	844390	20.0	21.0	
87 Ethylbenzene	106	8.693	8.695	-0.002	98	542382	20.0	22.9	
88 m-Xylene & p-Xylene	106	8.799	8.802	-0.003	99	702153	20.0	23.9	
89 o-Xylene	106	9.178	9.180	-0.002	93	628554	20.0	22.0	
90 Styrene	104	9.190	9.192	-0.002	93	1004544	20.0	23.8	
91 Bromoform	173	9.379	9.370	0.009	95	203474	20.0	18.3	
92 Isopropylbenzene	105	9.533	9.535	-0.002	96	1557257	20.0	20.9	
94 1,1,2,2-Tetrachloroethane	83	9.793	9.796	-0.003	98	384170	20.0	19.3	
108 1,3-Dichlorobenzene	146	10.751	10.754	-0.003	98	697444	20.0	20.3	
110 1,4-Dichlorobenzene	146	10.846	10.837	0.009	96	710619	20.0	20.4	
114 1,2-Dichlorobenzene	146	11.213	11.216	-0.003	97	660591	20.0	20.1	
115 1,2-Dibromo-3-Chloropropane	157	11.982	11.985	-0.003	86	91765	20.0	16.2	
117 1,2,4-Trichlorobenzene	180	12.822	12.825	-0.003	94	382780	20.0	19.3	
S 131 Xylenes, Total	106				0		40.0	45.9	

QC Flag Legend

Processing Flags

Reagents:

vmfasaw_00382	Amount Added:	16.00	Units: uL	
vmfaspw_00407	Amount Added:	16.00	Units: uL	
vmfasgw_00417	Amount Added:	16.00	Units: uL	
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm40mL_vials_00016	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	1.63	Units: uL	Run Reagent

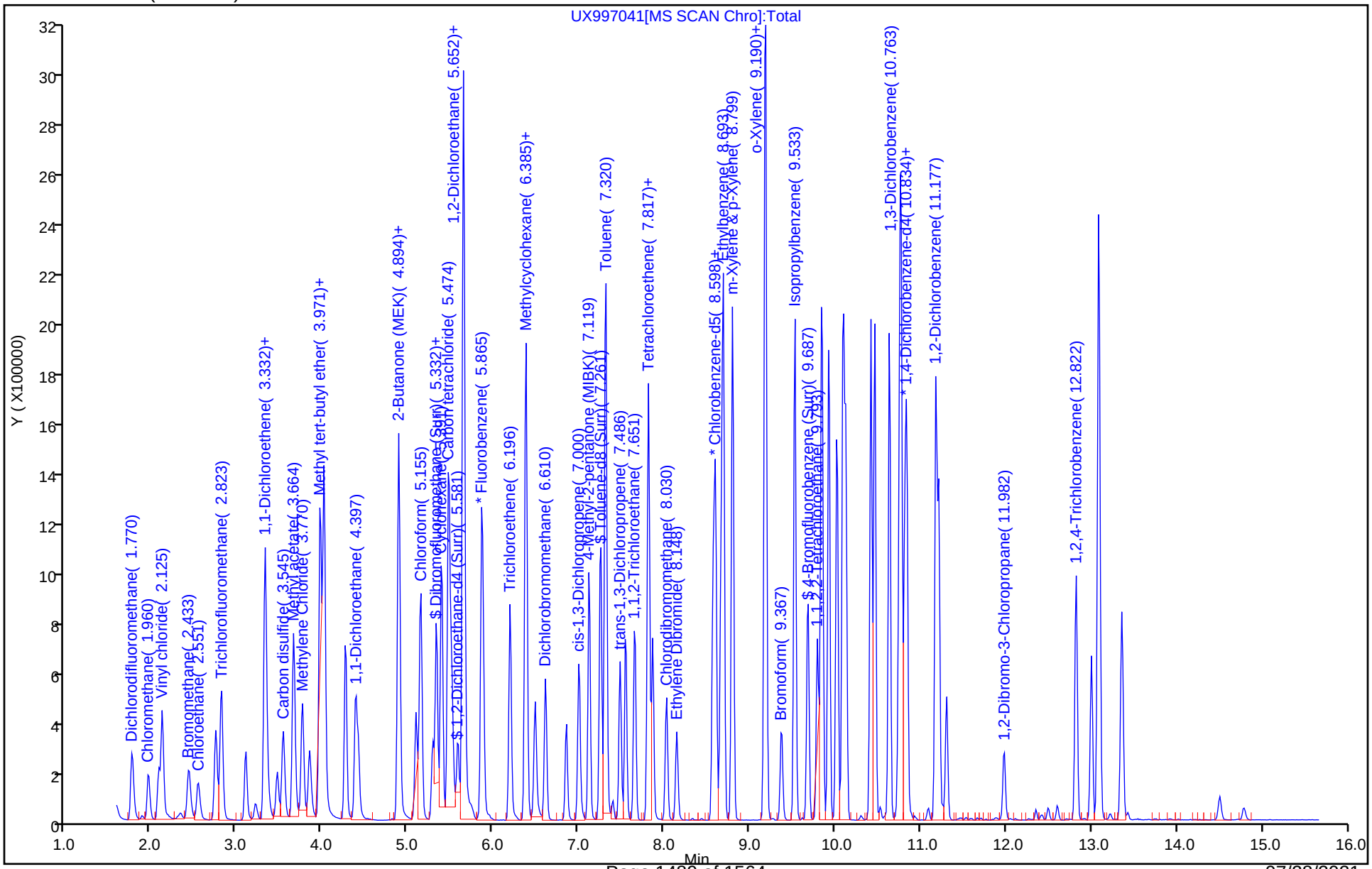
Report Date: 21-Jul-2021 15:22:59 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\UX997041.D

Injection Date:	21-Jul-2021 14:57:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	240-152987-E-2 MS			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	500.0000	ALS Bottle#:	13
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\UX997041.D
Lims ID: 240-152987-E-2 MS
Client ID:
Sample Type: MS
Inject. Date: 21-Jul-2021 14:57:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 500.0000
Sample Info: 240-0111430-013
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Jul-2021 13:18:26 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: bosworthh Date: 21-Jul-2021 15:22:59

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	16.3	16.8	102.91
$ 5 1,2-Dichloroethane-d4 (Surr)	16.3	16.0	97.76
$ 6 Toluene-d8 (Surr)	16.3	16.5	101.07
$ 7 4-Bromofluorobenzene (Surr)	16.3	17.4	106.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 240-152974-C-2 MS

Matrix: Water Lab File ID: U1923150.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 18:19

Soil Aliquot Vol: Dilution Factor: 5

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	173		50	27
71-43-2	Benzene	96.0		5.0	2.1
75-27-4	Bromodichloromethane	89.0		5.0	0.85
75-25-2	Bromoform	79.6		5.0	3.8
74-83-9	Bromomethane	111		5.0	2.1
78-93-3	2-Butanone	203		50	5.8
75-15-0	Carbon disulfide	85.7		5.0	3.0
56-23-5	Carbon tetrachloride	93.7		5.0	1.3
108-90-7	Chlorobenzene	98.6		5.0	1.9
75-00-3	Chloroethane	118		5.0	4.2
67-66-3	Chloroform	94.3		5.0	2.4
74-87-3	Chloromethane	92.8		5.0	3.2
156-59-2	cis-1,2-Dichloroethene	288		5.0	2.3
10061-01-5	cis-1,3-Dichloropropene	78.9		5.0	3.1
124-48-1	Dibromochloromethane	89.3		5.0	2.0
96-12-8	1,2-Dibromo-3-Chloropropane	80.3		10	4.6
106-93-4	1,2-Dibromoethane	93.7		5.0	2.1
95-50-1	1,2-Dichlorobenzene	98.7		5.0	2.4
541-73-1	1,3-Dichlorobenzene	98.7		5.0	2.3
106-46-7	1,4-Dichlorobenzene	97.2		5.0	2.1
75-71-8	Dichlorodifluoromethane	113		5.0	1.8
75-34-3	1,1-Dichloroethane	94.7		5.0	2.4
107-06-2	1,2-Dichloroethane	91.2		5.0	1.1
75-35-4	1,1-Dichloroethene	99.0		5.0	2.5
78-87-5	1,2-Dichloropropane	92.8		5.0	2.4
100-41-4	Ethylbenzene	99.8		5.0	2.1
591-78-6	2-Hexanone	183		50	5.6
98-82-8	Isopropylbenzene	100		5.0	2.5
75-09-2	Methylene Chloride	89.2		25	13
108-10-1	4-Methyl-2-pentanone	170		50	5.0
1634-04-4	Methyl tert-butyl ether	87.5		5.0	2.4
179601-23-1	m-Xylene & p-Xylene	100		10	2.1
95-47-6	o-Xylene	98.9		5.0	2.1
100-42-5	Styrene	95.1		5.0	2.3
79-34-5	1,1,2,2-Tetrachloroethane	106		5.0	3.0
127-18-4	Tetrachloroethene	96.1		5.0	2.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 240-152974-C-2 MS

Matrix: Water Lab File ID: U1923150.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 18:19

Soil Aliquot Vol: Dilution Factor: 5

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	102		5.0	2.2
156-60-5	trans-1,2-Dichloroethene	97.1		5.0	2.6
10061-02-6	trans-1,3-Dichloropropene	84.6		5.0	3.4
120-82-1	1,2,4-Trichlorobenzene	81.7		5.0	3.9
71-55-6	1,1,1-Trichloroethane	95.0		5.0	2.4
79-01-6	Trichloroethene	92.6		5.0	2.2
75-69-4	Trichlorofluoromethane	127		5.0	2.3
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	107		5.0	2.1
75-01-4	Vinyl chloride	105		5.0	2.3
1330-20-7	Xylenes, Total	199		10	2.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	105		47-134
1868-53-7	Dibromofluoromethane (Surr)	93		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		75-130
2037-26-5	Toluene-d8 (Surr)	102		69-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923150.d
Lims ID: 240-152974-C-2 MS
Client ID:
Sample Type: MS
Inject. Date: 23-Jul-2021 18:19:28 ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Sample Info: 240-0111514-011
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Jul-2021 16:59:42 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: laveyt Date: 23-Jul-2021 19:01:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	98	686499	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.463	8.464	-0.001	85	509159	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	95	275138	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.404	5.416	-0.012	92	181065	4.00	18.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	99	209879	4.00	18.2	
$ 6 Toluene-d8 (Surr)	98	7.206	7.206	0.000	94	626327	4.00	20.3	
$ 7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	90	238853	4.00	21.0	
9 Dichlorodifluoromethane	85	2.072	2.072	0.000	99	209028	4.00	22.6	
10 Chloromethane	50	2.297	2.297	0.000	99	260243	4.00	18.6	
12 Vinyl chloride	62	2.427	2.427	0.000	98	277669	4.00	21.1	
13 Bromomethane	94	2.783	2.783	0.000	94	220477	4.00	22.3	
15 Chloroethane	64	2.878	2.878	0.000	99	185767	4.00	23.6	
17 Trichlorofluoromethane	101	3.115	3.127	-0.012	98	493292	4.00	25.4	
20 1,1-Dichloroethene	61	3.590	3.590	0.000	98	256582	4.00	19.8	
21 112TCTFE	101	3.601	3.601	0.000	93	177194	4.00	21.5	
22 Acetone	43	3.613	3.613	0.000	100	158220	8.00	34.6	
25 Carbon disulfide	76	3.803	3.803	0.000	100	483196	4.00	17.1	
28 Methyl acetate	43	3.874	3.874	0.000	97	384789	8.00	36.7	
29 Methylene Chloride	49	4.005	4.005	0.000	90	207720	4.00	17.8	
33 Methyl tert-butyl ether	73	4.218	4.218	0.000	96	484420	4.00	17.5	
32 trans-1,2-Dichloroethene	61	4.230	4.230	0.000	97	258547	4.00	19.4	
35 1,1-Dichloroethane	63	4.586	4.586	0.000	97	308490	4.00	18.9	
40 2-Butanone (MEK)	72	5.013	5.013	0.000	99	78682	8.00	40.6	
41 cis-1,2-Dichloroethene	96	5.036	5.036	0.000	80	620009	4.00	57.7	
48 Chloroform	83	5.285	5.285	0.000	94	323911	4.00	18.9	
49 1,1,1-Trichloroethane	97	5.440	5.440	0.000	98	293329	4.00	19.0	
50 Cyclohexane	84	5.511	5.511	0.000	89	259026	4.00	20.6	
52 Carbon tetrachloride	117	5.570	5.570	0.000	97	264030	4.00	18.7	
54 Benzene	78	5.724	5.724	0.000	96	687312	4.00	19.2	
55 1,2-Dichloroethane	62	5.748	5.748	0.000	97	252770	4.00	18.2	
59 Trichloroethene	130	6.222	6.222	0.000	96	207730	4.00	18.5	
61 Methylcyclohexane	83	6.424	6.424	0.000	92	286294	4.00	19.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
62 1,2-Dichloropropane	63	6.436	6.436	0.000	93	163019	4.00	18.6	
66 Dichlorobromomethane	83	6.625	6.625	0.000	98	228372	4.00	17.8	
69 cis-1,3-Dichloropropene	75	6.969	6.969	0.000	94	237975	4.00	15.8	
70 4-Methyl-2-pentanone (MIBK)	43	7.076	7.076	0.000	97	493851	8.00	34.0	
71 Toluene	91	7.266	7.266	0.000	98	730513	4.00	20.4	
72 trans-1,3-Dichloropropene	75	7.432	7.432	0.000	97	232746	4.00	16.9	
74 1,1,2-Trichloroethane	97	7.598	7.598	0.000	93	155798	4.00	20.4	
75 Tetrachloroethene	166	7.705	7.705	0.000	94	205853	4.00	19.2	
77 2-Hexanone	43	7.764	7.764	0.000	96	388161	8.00	36.5	
79 Chlorodibromomethane	129	7.942	7.942	0.000	89	169898	4.00	17.9	
81 Ethylene Dibromide	107	8.060	8.060	0.000	98	167289	4.00	18.7	
83 Chlorobenzene	112	8.487	8.487	0.000	95	467086	4.00	19.7	
85 Ethylbenzene	106	8.546	8.547	0.000	98	256733	4.00	20.0	
86 m-Xylene & p-Xylene	106	8.665	8.665	0.000	99	312843	4.00	20.0	
87 o-Xylene	106	9.009	9.009	0.000	94	302052	4.00	19.8	
88 Styrene	104	9.021	9.021	0.000	94	471969	4.00	19.0	
89 Bromoform	173	9.211	9.211	0.000	94	122399	4.00	15.9	
90 Isopropylbenzene	105	9.341	9.341	0.000	96	785330	4.00	20.1	
93 1,1,2,2-Tetrachloroethane	83	9.602	9.602	0.000	96	250040	4.00	21.3	
107 1,3-Dichlorobenzene	146	10.515	10.515	0.000	74	383659	4.00	19.7	
109 1,4-Dichlorobenzene	146	10.610	10.610	0.000	93	386488	4.00	19.4	
113 1,2-Dichlorobenzene	146	10.954	10.954	0.000	97	365555	4.00	19.7	
114 1,2-Dibromo-3-Chloropropane	157	11.689	11.689	0.000	84	64628	4.00	16.1	
116 1,2,4-Trichlorobenzene	180	12.484	12.484	0.000	94	209619	4.00	16.3	
S 128 Xylenes, Total	106				0		8.00	39.8	

QC Flag Legend

Processing Flags

Reagents:

vmfasgw_00417	Amount Added:	16.00	Units: uL	
vmfasaw_00382	Amount Added:	16.00	Units: uL	
vmfaspw_00407	Amount Added:	16.00	Units: uL	
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00008	Amount Added:	2.00	Units: uL	Run Reagent

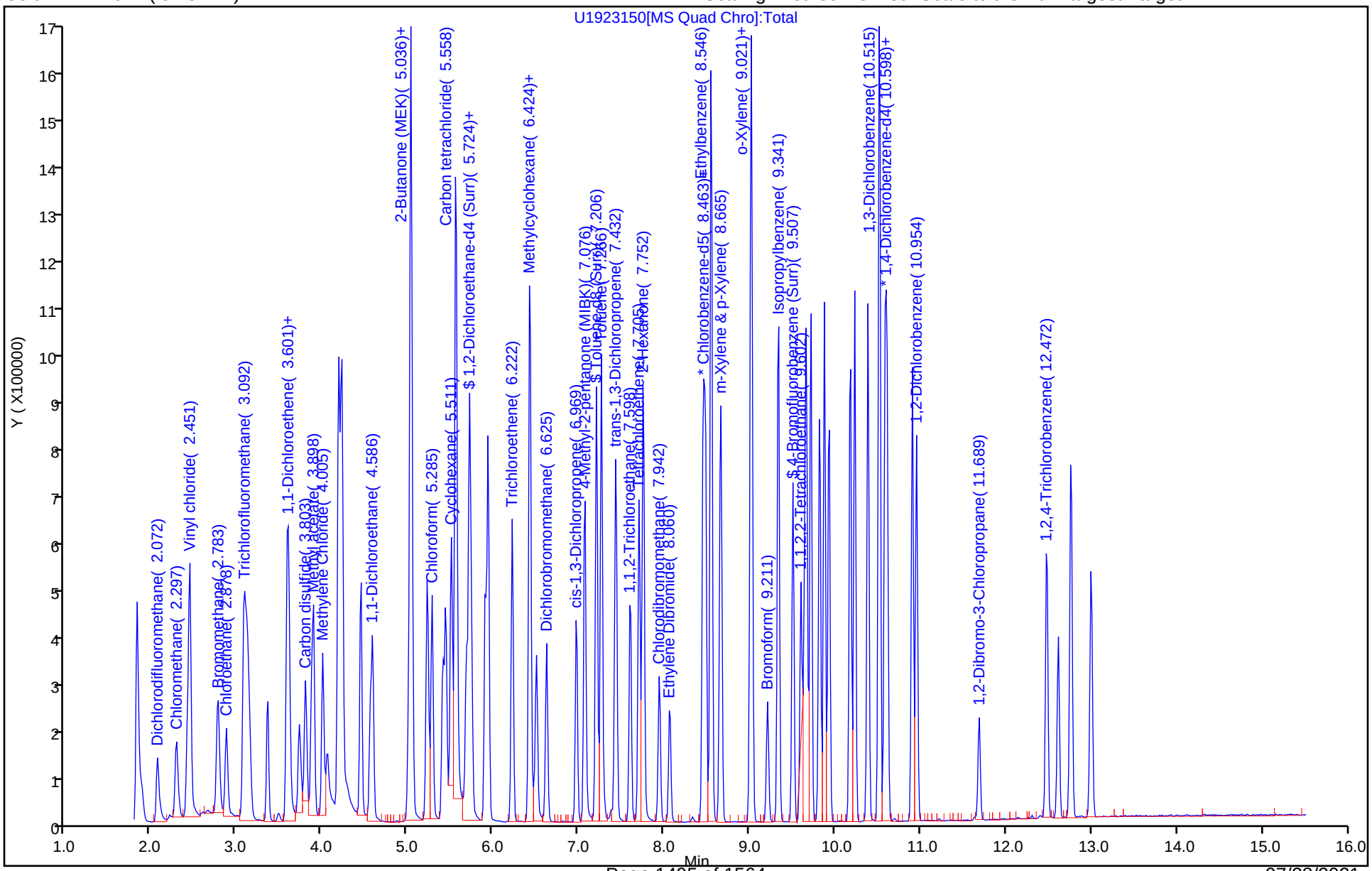
Report Date: 23-Jul-2021 19:01:12 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923150.d

Injection Date:	23-Jul-2021 18:19:28	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	240-152974-C-2 MS			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	5.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923150.d
Lims ID: 240-152974-C-2 MS
Client ID:
Sample Type: MS
Inject. Date: 23-Jul-2021 18:19:28 ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Sample Info: 240-0111514-011
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Jul-2021 16:59:42 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: laveyt Date: 23-Jul-2021 19:01:12

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	18.6	465.28
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	18.2	454.63
$ 6 Toluene-d8 (Surr)	20.0	20.3	508.69
$ 7 4-Bromofluorobenzene (Surr)	20.0	21.0	526.19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 240-153306-B-2 MS

Matrix: Water Lab File ID: UXM38855.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 22:06

Soil Aliquot Vol: Dilution Factor: 40

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496537 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	1710		400	220
71-43-2	Benzene	738		40	17
75-27-4	Bromodichloromethane	692		40	6.8
75-25-2	Bromoform	576		40	30
74-83-9	Bromomethane	810		40	17
78-93-3	2-Butanone	1640		400	46
75-15-0	Carbon disulfide	750		40	24
56-23-5	Carbon tetrachloride	737		40	10
108-90-7	Chlorobenzene	725		40	15
75-00-3	Chloroethane	813		40	33
67-66-3	Chloroform	810		40	19
74-87-3	Chloromethane	843		40	25
156-59-2	cis-1,2-Dichloroethene	798		40	18
10061-01-5	cis-1,3-Dichloropropene	625		40	24
124-48-1	Dibromochloromethane	598		40	16
75-34-3	1,1-Dichloroethane	748		40	19
107-06-2	1,2-Dichloroethane	814		40	8.4
75-35-4	1,1-Dichloroethene	2590		40	20
78-87-5	1,2-Dichloropropane	705		40	19
100-41-4	Ethylbenzene	709		40	17
591-78-6	2-Hexanone	1240		400	44
75-09-2	Methylene Chloride	838		200	100
108-10-1	4-Methyl-2-pentanone	1310		400	40
179601-23-1	m-Xylene & p-Xylene	731		80	17
95-47-6	o-Xylene	747		40	17
100-42-5	Styrene	819		40	18
79-34-5	1,1,2,2-Tetrachloroethane	654		40	24
127-18-4	Tetrachloroethene	697		40	18
108-88-3	Toluene	696		40	18
156-60-5	trans-1,2-Dichloroethene	782		40	20
10061-02-6	trans-1,3-Dichloropropene	568		40	27
71-55-6	1,1,1-Trichloroethane	789		40	19
79-01-6	Trichloroethene	750		40	18
75-01-4	Vinyl chloride	1900		40	18
1330-20-7	Xylenes, Total	1480		80	17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 240-153306-B-2 MS

Matrix: Water Lab File ID: UXM38855.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 22:06

Soil Aliquot Vol: Dilution Factor: 40

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496537 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		47-134
1868-53-7	Dibromofluoromethane (Surr)	109		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		75-130
2037-26-5	Toluene-d8 (Surr)	92		69-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\UXM38855.D
Lims ID: 240-153306-B-2 MS
Client ID:
Sample Type: MS
Inject. Date: 26-Jul-2021 22:06:30 ALS Bottle#: 29 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 40.0000
Sample Info: 240-0111551-029
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Jul-2021 08:26:08 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: bosworthh Date: 27-Jul-2021 08:37:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.846	5.845	0.001	99	836878	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	732899	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	443609	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.265	5.265	0.001	93	251337	22.7	24.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	280312	22.7	23.4	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	935934	22.7	20.9	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	91	388769	22.7	22.6	
10 Chloromethane	50	1.897	1.897	0.000	99	327338	20.0	21.1	
11 Vinyl chloride	62	2.015	2.015	0.000	98	733153	20.0	47.6	
13 Bromomethane	94	2.347	2.347	0.000	92	175463	20.0	20.2	E
14 Chloroethane	64	2.478	2.478	0.000	99	175858	20.0	20.3	
19 1,1-Dichloroethene	96	3.237	3.237	0.000	99	602485	20.0	64.8	
21 Acetone	58	3.284	3.284	0.000	99	33575	40.0	42.7	
24 Carbon disulfide	76	3.450	3.450	0.000	100	571032	20.0	18.8	
28 Methylene Chloride	84	3.711	3.711	0.000	87	230948	20.0	21.0	
32 trans-1,2-Dichloroethene	96	3.960	3.960	0.000	97	217980	20.0	19.6	
34 1,1-Dichloroethane	63	4.351	4.351	0.000	97	366916	20.0	18.7	
40 2-Butanone (MEK)	72	4.826	4.826	0.000	98	40454	40.0	41.1	
39 cis-1,2-Dichloroethene	96	4.850	4.849	0.001	81	247057	20.0	20.0	
47 Chloroform	83	5.134	5.134	0.000	94	387325	20.0	20.2	
48 1,1,1-Trichloroethane	97	5.288	5.288	0.000	98	325399	20.0	19.7	
51 Carbon tetrachloride	117	5.419	5.419	0.000	90	249494	20.0	18.4	
54 Benzene	78	5.585	5.585	0.000	97	779936	20.0	18.4	
53 1,2-Dichloroethane	62	5.632	5.632	0.000	98	286561	20.0	20.4	
58 Trichloroethene	130	6.154	6.154	0.000	96	205939	20.0	18.7	
61 1,2-Dichloropropane	63	6.379	6.379	0.000	91	175607	20.0	17.6	
65 Dichlorobromomethane	83	6.605	6.605	0.000	99	246044	20.0	17.3	
68 cis-1,3-Dichloropropene	75	6.984	6.984	0.000	95	256570	20.0	15.6	
69 4-Methyl-2-pentanone (MIBK)	43	7.103	7.103	0.000	95	247124	40.0	32.9	
70 Toluene	91	7.281	7.280	0.001	98	913649	20.0	17.4	
71 trans-1,3-Dichloropropene	75	7.482	7.482	0.000	96	233895	20.0	14.2	
73 1,1,2-Trichloroethane	97	7.672	7.672	0.000	91	152949	20.0	17.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
75 Tetrachloroethene	164	7.755	7.755	0.000	98	170026	20.0	17.4	
76 2-Hexanone	43	7.850	7.850	0.000	94	187912	40.0	31.0	
78 Chlorodibromomethane	129	8.016	8.016	0.000	90	154640	20.0	15.0	
82 Chlorobenzene	112	8.597	8.597	0.000	96	607090	20.0	18.1	
84 Ethylbenzene	106	8.680	8.680	0.000	98	336096	20.0	17.7	
85 m-Xylene & p-Xylene	106	8.798	8.798	0.000	97	438273	20.0	18.3	
86 o-Xylene	106	9.166	9.166	0.000	97	422241	20.0	18.7	
87 Styrene	104	9.178	9.178	0.000	95	707771	20.0	20.5	
88 Bromoform	173	9.368	9.368	0.000	95	90976	20.0	14.4	
92 1,1,2,2-Tetrachloroethane	83	9.818	9.818	0.000	96	200761	20.0	16.3	
S 133 Xylenes, Total	106				0		40.0	37.0	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

vmfasgw_00417	Amount Added:	16.00	Units: uL	
vmfasaw_00383	Amount Added:	16.00	Units: uL	
vmfaspw_00408	Amount Added:	16.00	Units: uL	
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00087	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

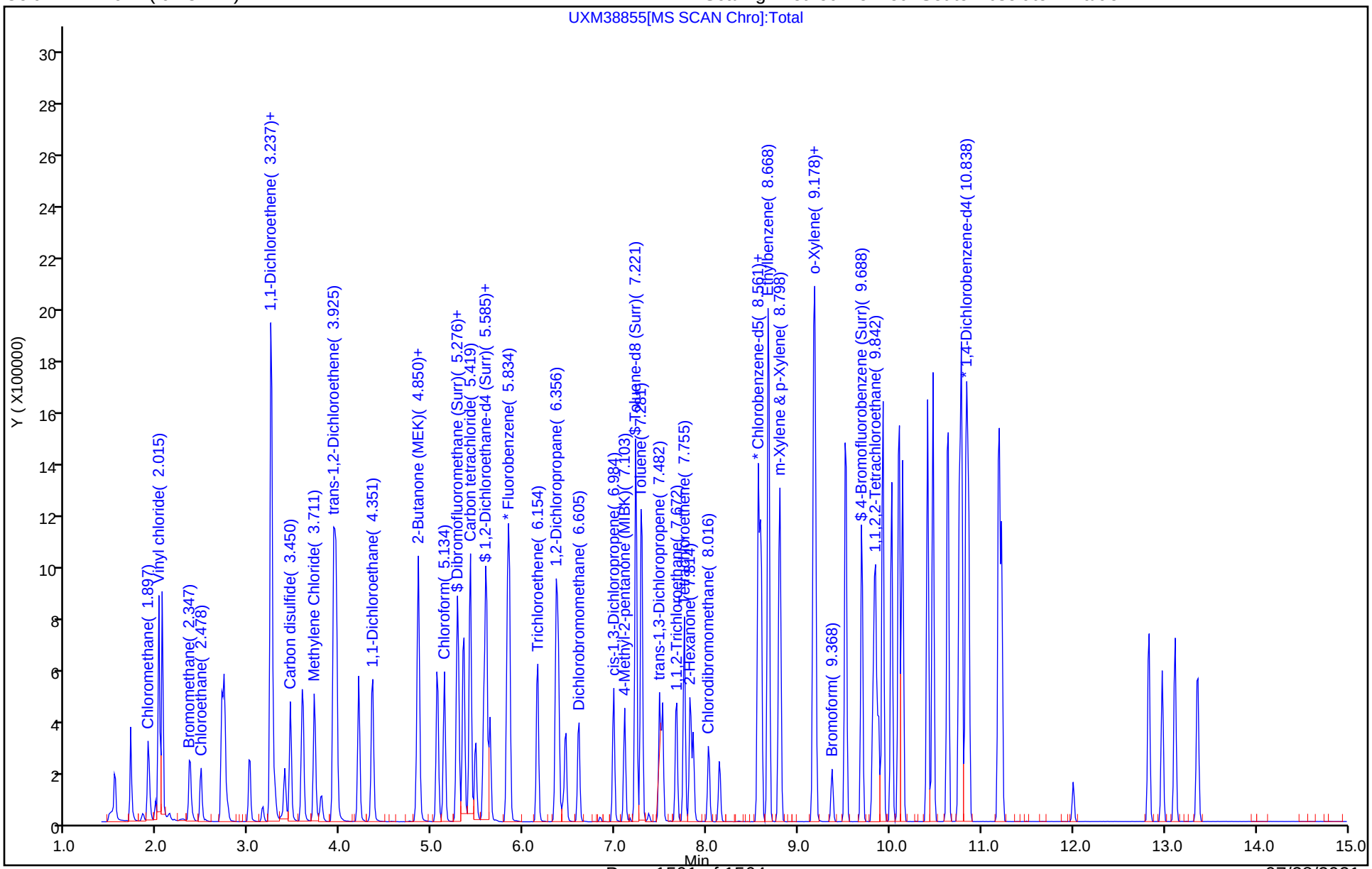
Report Date: 27-Jul-2021 08:37:21 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\UXM38855.D

Injection Date:	26-Jul-2021 22:06:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-153306-B-2 MS			Worklist Smp#:	29
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	40.0000	ALS Bottle#:	29
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\UXM38855.D
Lims ID: 240-153306-B-2 MS
Client ID:
Sample Type: MS
Inject. Date: 26-Jul-2021 22:06:30 ALS Bottle#: 29 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 40.0000
Sample Info: 240-0111551-029
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Jul-2021 08:26:08 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: bosworthh Date: 27-Jul-2021 08:37:21

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	24.7	109.10
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	23.4	103.07
$ 6 Toluene-d8 (Surr)	22.7	20.9	92.36
$ 7 4-Bromofluorobenzene (Surr)	22.7	22.6	99.76

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 240-152672-C-3 MSD

Matrix: Water Lab File ID: UX997025.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 20:54

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.: 495770 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	620		200	110
71-43-2	Benzene	437		20	8.4
75-27-4	Bromodichloromethane	445		20	3.4
75-25-2	Bromoform	384		20	15
74-83-9	Bromomethane	365		20	8.4
78-93-3	2-Butanone	823		200	23
75-15-0	Carbon disulfide	355		20	12
56-23-5	Carbon tetrachloride	444		20	5.2
108-90-7	Chlorobenzene	416		20	7.6
75-00-3	Chloroethane	363		20	17
67-66-3	Chloroform	462		20	9.4
74-87-3	Chloromethane	345		20	13
156-59-2	cis-1,2-Dichloroethene	961		20	9.2
10061-01-5	cis-1,3-Dichloropropene	437		20	12
124-48-1	Dibromochloromethane	412		20	7.8
96-12-8	1,2-Dibromo-3-Chloropropane	318		40	18
106-93-4	1,2-Dibromoethane	421		20	8.2
95-50-1	1,2-Dichlorobenzene	378		20	9.6
541-73-1	1,3-Dichlorobenzene	377		20	9.0
106-46-7	1,4-Dichlorobenzene	386		20	8.2
75-71-8	Dichlorodifluoromethane	410		20	7.0
75-34-3	1,1-Dichloroethane	418		20	9.4
107-06-2	1,2-Dichloroethane	481		20	4.2
75-35-4	1,1-Dichloroethene	423		20	9.8
78-87-5	1,2-Dichloropropane	441		20	9.4
100-41-4	Ethylbenzene	396		20	8.4
591-78-6	2-Hexanone	762		200	22
98-82-8	Isopropylbenzene	380		20	9.8
75-09-2	Methylene Chloride	396		100	52
108-10-1	4-Methyl-2-pentanone	834		200	20
1634-04-4	Methyl tert-butyl ether	425		20	9.4
179601-23-1	m-Xylene & p-Xylene	392		40	8.4
95-47-6	o-Xylene	399		20	8.4
100-42-5	Styrene	427		20	9.0
79-34-5	1,1,2,2-Tetrachloroethane	398		20	12
127-18-4	Tetrachloroethene	395		20	8.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 240-152672-C-3 MSD

Matrix: Water Lab File ID: UX997025.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/20/2021 20:54

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.: 495770 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	415		20	8.8
156-60-5	trans-1,2-Dichloroethene	419		20	10
10061-02-6	trans-1,3-Dichloropropene	414		20	13
120-82-1	1,2,4-Trichlorobenzene	375		20	15
71-55-6	1,1,1-Trichloroethane	456		20	9.6
75-69-4	Trichlorofluoromethane	405		20	9.0
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	353		20	8.2
75-01-4	Vinyl chloride	514		20	9.0
1330-20-7	Xylenes, Total	791		40	8.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	106		47-134
1868-53-7	Dibromofluoromethane (Surr)	102		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		75-130
2037-26-5	Toluene-d8 (Surr)	103		69-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\UX997025.D
Lims ID: 240-152672-C-3 MSD
Client ID:
Sample Type: MSD
Inject. Date: 20-Jul-2021 20:54:30 ALS Bottle#: 30 Worklist Smp#: 30
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Sample Info: 240-0111393-030
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Jul-2021 09:16:36 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: bosworthh Date: 21-Jul-2021 09:22:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.877	5.879	-0.003	99	667272	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.574	8.577	-0.003	85	555737	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.823	10.813	0.010	91	308943	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.297	5.288	0.009	92	184400	16.3	16.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.593	5.584	0.008	99	202353	16.3	16.0	
$ 6 Toluene-d8 (Surr)	98	7.261	7.252	0.009	93	805587	16.3	16.7	
$ 7 4-Bromofluorobenzene (Surr)	95	9.675	9.678	-0.003	90	313462	16.3	17.3	
9 Dichlorodifluoromethane	85	1.771	1.773	-0.002	99	280854	20.0	20.5	
10 Chloromethane	50	1.972	1.963	0.009	99	229883	20.0	17.2	
11 Vinyl chloride	62	2.090	2.093	-0.003	100	344992	20.0	25.7	
13 Bromomethane	94	2.445	2.436	0.009	94	195925	20.0	18.3	
15 Chloroethane	64	2.551	2.554	-0.003	99	178086	20.0	18.1	
17 Trichlorofluoromethane	101	2.824	2.827	-0.003	98	394957	20.0	20.3	
24 1,1-Dichloroethene	61	3.332	3.324	0.008	97	343126	20.0	21.2	
22 112TCTFE	101	3.332	3.335	-0.003	83	213573	20.0	17.7	
23 Acetone	58	3.368	3.359	0.009	98	53102	40.0	31.0	
26 Carbon disulfide	76	3.545	3.548	-0.003	100	569843	20.0	17.7	
29 Methyl acetate	43	3.676	3.667	0.009	96	435550	40.0	38.2	
30 Methylene Chloride	49	3.770	3.761	0.009	89	293074	20.0	19.8	
33 Methyl tert-butyl ether	73	4.019	4.022	-0.003	95	830500	20.0	21.3	
34 trans-1,2-Dichloroethene	61	4.019	4.022	-0.003	91	317823	20.0	20.9	
36 1,1-Dichloroethane	63	4.386	4.389	-0.003	97	437261	20.0	20.9	
41 2-Butanone (MEK)	72	4.894	4.886	0.008	55	91173	40.0	41.1	
43 cis-1,2-Dichloroethene	96	4.894	4.897	-0.003	84	625463	20.0	48.0	
49 Chloroform	83	5.155	5.158	-0.003	97	486552	20.0	23.1	
50 1,1,1-Trichloroethane	97	5.332	5.335	-0.003	97	465428	20.0	22.8	
51 Cyclohexane	84	5.403	5.394	0.009	87	400767	20.0	19.8	
53 Carbon tetrachloride	117	5.486	5.489	-0.003	98	392182	20.0	22.2	
56 1,2-Dichloroethane	62	5.652	5.655	-0.003	62	386195	20.0	24.1	
55 Benzene	78	5.652	5.655	-0.003	96	1023397	20.0	21.9	
60 Trichloroethene	130	6.196	6.199	-0.003	95	1028977	20.0	79.3	E
62 Methylcyclohexane	83	6.385	6.376	0.009	90	403832	20.0	19.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
63 1,2-Dichloropropane	63	6.385	6.388	-0.003	89	244825	20.0	22.1	
67 Dichlorobromomethane	83	6.610	6.613	-0.003	98	360781	20.0	22.2	
71 cis-1,3-Dichloropropene	75	7.001	7.004	-0.003	94	371997	20.0	21.9	
72 4-Methyl-2-pentanone (MIBK)	43	7.119	7.122	-0.003	96	632357	40.0	41.7	
73 Toluene	91	7.320	7.311	0.009	98	1166467	20.0	20.7	
74 trans-1,3-Dichloropropene	75	7.486	7.489	-0.003	94	352389	20.0	20.7	
76 1,1,2-Trichloroethane	97	7.651	7.654	-0.003	94	256779	20.0	21.1	
78 Tetrachloroethene	166	7.817	7.820	-0.003	79	299249	20.0	19.8	
80 2-Hexanone	43	7.864	7.867	-0.003	95	456640	40.0	38.1	
82 Chlorodibromomethane	129	8.030	8.021	0.009	90	277716	20.0	20.6	
83 Ethylene Dibromide	107	8.148	8.151	-0.003	98	252818	20.0	21.1	
85 Chlorobenzene	112	8.598	8.601	-0.003	95	763363	20.0	20.8	
87 Ethylbenzene	106	8.693	8.696	-0.003	98	427309	20.0	19.8	
88 m-Xylene & p-Xylene	106	8.799	8.802	-0.003	99	525088	20.0	19.6	
89 o-Xylene	106	9.178	9.181	-0.003	94	519622	20.0	19.9	
90 Styrene	104	9.190	9.193	-0.003	93	821881	20.0	21.4	
91 Bromoform	173	9.379	9.370	0.009	94	194292	20.0	19.2	
92 Isopropylbenzene	105	9.533	9.536	-0.003	96	1286408	20.0	19.0	
94 1,1,2,2-Tetrachloroethane	83	9.793	9.796	-0.003	98	361496	20.0	19.9	
108 1,3-Dichlorobenzene	146	10.752	10.755	-0.003	98	591989	20.0	18.9	
110 1,4-Dichlorobenzene	146	10.846	10.837	0.009	95	612888	20.0	19.3	
114 1,2-Dichlorobenzene	146	11.213	11.216	-0.003	97	565765	20.0	18.9	
115 1,2-Dibromo-3-Chloropropane	157	11.982	11.973	0.009	83	82316	20.0	15.9	
117 1,2,4-Trichlorobenzene	180	12.822	12.825	-0.003	94	340073	20.0	18.8	
S 131 Xylenes, Total	106				0		40.0	39.5	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

vmfaspw_00407	Amount Added:	16.00	Units: uL	
vmfasaw_00382	Amount Added:	16.00	Units: uL	
vmfasgw_00416	Amount Added:	16.00	Units: uL	
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm40mL_vials_00016	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	1.63	Units: uL	Run Reagent

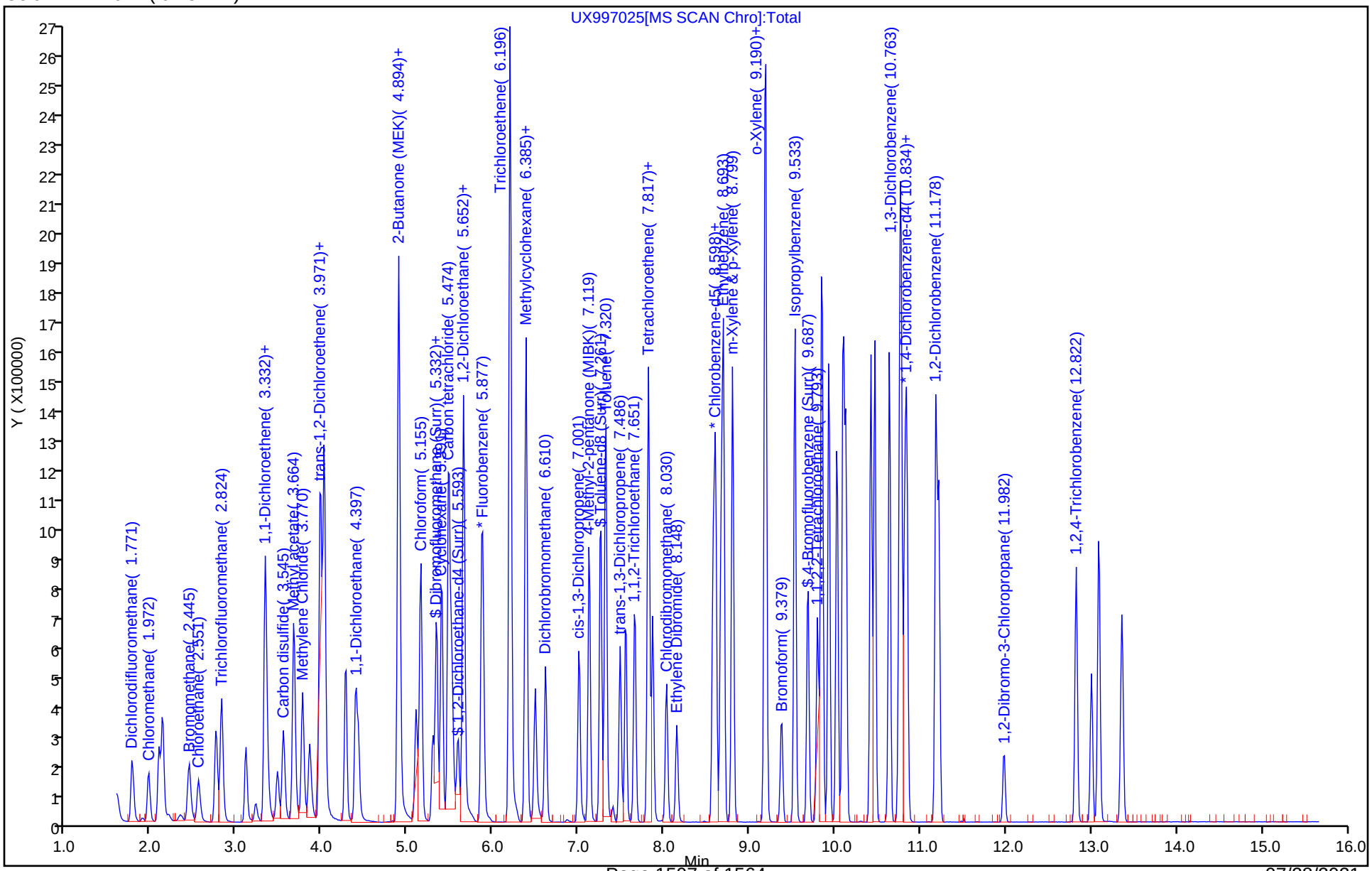
Report Date: 21-Jul-2021 09:22:06 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\UX997025.D

Injection Date:	20-Jul-2021 20:54:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	240-152672-C-3 MSD			Worklist Smp#:	30
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	20.0000	ALS Bottle#:	30
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\UX997025.D
Lims ID: 240-152672-C-3 MSD
Client ID:
Sample Type: MSD
Inject. Date: 20-Jul-2021 20:54:30 ALS Bottle#: 30 Worklist Smp#: 30
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Sample Info: 240-0111393-030
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210720-111393.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Jul-2021 09:16:36 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: bosworthh Date: 21-Jul-2021 09:22:05

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	16.3	16.6	101.89
$ 5 1,2-Dichloroethane-d4 (Surr)	16.3	16.0	98.00
$ 6 Toluene-d8 (Surr)	16.3	16.7	102.53
$ 7 4-Bromofluorobenzene (Surr)	16.3	17.3	105.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 240-152987-E-2 MSD

Matrix: Water Lab File ID: UX997042.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 15:20

Soil Aliquot Vol: Dilution Factor: 500

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 495975 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	16300		5000	2700
71-43-2	Benzene	25400		500	210
75-27-4	Bromodichloromethane	11300		500	85
75-25-2	Bromoform	9370		500	380
74-83-9	Bromomethane	9530		500	210
78-93-3	2-Butanone	19500		5000	580
75-15-0	Carbon disulfide	10200		500	300
56-23-5	Carbon tetrachloride	12400		500	130
108-90-7	Chlorobenzene	10900		500	190
75-00-3	Chloroethane	9650		500	420
67-66-3	Chloroform	11800		500	240
74-87-3	Chloromethane	9160		500	320
156-59-2	cis-1,2-Dichloroethene	11200		500	230
10061-01-5	cis-1,3-Dichloropropene	11500		500	310
124-48-1	Dibromochloromethane	10200		500	200
96-12-8	1,2-Dibromo-3-Chloropropane	7950		1000	460
106-93-4	1,2-Dibromoethane	10400		500	210
95-50-1	1,2-Dichlorobenzene	10300		500	240
541-73-1	1,3-Dichlorobenzene	10300		500	230
106-46-7	1,4-Dichlorobenzene	10600		500	210
75-71-8	Dichlorodifluoromethane	13300		500	180
75-34-3	1,1-Dichloroethane	10800		500	240
107-06-2	1,2-Dichloroethane	12300		500	110
75-35-4	1,1-Dichloroethene	11600		500	250
78-87-5	1,2-Dichloropropane	11000		500	240
100-41-4	Ethylbenzene	11600		500	210
591-78-6	2-Hexanone	18500		5000	560
98-82-8	Isopropylbenzene	10800		500	250
75-09-2	Methylene Chloride	10000		2500	1300
108-10-1	4-Methyl-2-pentanone	20400		5000	500
1634-04-4	Methyl tert-butyl ether	11000		500	240
179601-23-1	m-Xylene & p-Xylene	12000		1000	210
95-47-6	o-Xylene	11500		500	210
100-42-5	Styrene	12200		500	230
79-34-5	1,1,2,2-Tetrachloroethane	9730		500	300
127-18-4	Tetrachloroethene	11100		500	220

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 240-152987-E-2 MSD

Matrix: Water Lab File ID: UX997042.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/21/2021 15:20

Soil Aliquot Vol: Dilution Factor: 500

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 495975 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	15200		500	220
156-60-5	trans-1,2-Dichloroethene	11200		500	260
10061-02-6	trans-1,3-Dichloropropene	10800		500	340
120-82-1	1,2,4-Trichlorobenzene	10000		500	390
71-55-6	1,1,1-Trichloroethane	12100		500	240
79-01-6	Trichloroethene	12200		500	220
75-69-4	Trichlorofluoromethane	12200		500	230
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	11200		500	210
75-01-4	Vinyl chloride	9840		500	230
1330-20-7	Xylenes, Total	23500		1000	210

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	101		47-134
1868-53-7	Dibromofluoromethane (Surr)	99		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		75-130
2037-26-5	Toluene-d8 (Surr)	96		69-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\UX997042.D
Lims ID: 240-152987-E-2 MSD
Client ID:
Sample Type: MSD
Inject. Date: 21-Jul-2021 15:20:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 500.0000
Sample Info: 240-0111430-014
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Jul-2021 13:42:13 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: bosworthh Date: 21-Jul-2021 16:02:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.878	5.880	-0.002	99	757549	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.576	8.578	-0.002	85	637611	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.812	10.815	-0.003	94	355761	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.298	5.287	0.011	93	203479	16.3	16.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.594	5.583	0.011	98	221152	16.3	15.4	
$ 6 Toluene-d8 (Surr)	98	7.251	7.252	-0.001	93	866502	16.3	15.7	
$ 7 4-Bromofluorobenzene (Surr)	95	9.676	9.677	-0.001	90	343485	16.3	16.5	
9 Dichlorodifluoromethane	85	1.772	1.773	-0.001	100	415023	20.0	26.7	
10 Chloromethane	50	1.973	1.962	0.011	99	277252	20.0	18.3	
11 Vinyl chloride	62	2.092	2.081	0.011	98	299770	20.0	19.7	
13 Bromomethane	94	2.446	2.436	0.010	93	231954	20.0	19.1	
15 Chloroethane	64	2.553	2.542	0.011	99	215160	20.0	19.3	
17 Trichlorofluoromethane	101	2.825	2.814	0.011	99	541913	20.0	24.5	
24 1,1-Dichloroethene	61	3.334	3.323	0.011	98	426186	20.0	23.2	
22 112TCTFE	101	3.334	3.335	-0.001	93	306733	20.0	22.4	
23 Acetone	58	3.369	3.359	0.010	99	63336	40.0	32.6	
26 Carbon disulfide	76	3.547	3.536	0.011	100	744769	20.0	20.4	
29 Methyl acetate	43	3.677	3.666	0.011	96	500489	40.0	38.7	
30 Methylene Chloride	49	3.772	3.761	0.011	89	336940	20.0	20.1	
34 trans-1,2-Dichloroethene	61	4.020	4.021	-0.001	91	384956	20.0	22.3	
33 Methyl tert-butyl ether	73	4.020	4.021	-0.001	95	979564	20.0	22.1	
36 1,1-Dichloroethane	63	4.387	4.388	-0.001	97	511706	20.0	21.5	
41 2-Butanone (MEK)	72	4.896	4.885	0.011	80	98060	40.0	39.0	
43 cis-1,2-Dichloroethene	96	4.896	4.885	0.011	82	331393	20.0	22.4	
49 Chloroform	83	5.156	5.157	-0.001	94	562953	20.0	23.6	
50 1,1,1-Trichloroethane	97	5.334	5.335	-0.001	97	560644	20.0	24.2	
51 Cyclohexane	84	5.393	5.394	-0.001	87	549465	20.0	24.0	
53 Carbon tetrachloride	117	5.488	5.477	0.011	98	497877	20.0	24.8	
56 1,2-Dichloroethane	62	5.653	5.654	-0.001	48	447181	20.0	24.6	
55 Benzene	78	5.653	5.654	-0.001	96	2696192	20.0	50.7	
60 Trichloroethene	130	6.198	6.198	0.000	95	358322	20.0	24.3	
62 Methylcyclohexane	83	6.387	6.376	0.011	88	567778	20.0	23.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
63 1,2-Dichloropropane	63	6.387	6.388	-0.001	90	278233	20.0	22.1	
67 Dichlorobromomethane	83	6.612	6.613	-0.001	99	415441	20.0	22.6	
71 cis-1,3-Dichloropropene	75	7.002	7.003	-0.001	94	443291	20.0	23.0	
72 4-Methyl-2-pentanone (MIBK)	43	7.120	7.121	-0.001	95	701303	40.0	40.7	
73 Toluene	91	7.322	7.311	0.011	98	1958810	20.0	30.3	
74 trans-1,3-Dichloropropene	75	7.487	7.488	-0.001	94	421617	20.0	21.6	
76 1,1,2-Trichloroethane	97	7.653	7.654	-0.001	94	290687	20.0	20.8	
78 Tetrachloroethene	166	7.819	7.820	-0.001	99	384809	20.0	22.2	
80 2-Hexanone	43	7.866	7.867	-0.001	95	508263	40.0	37.0	
82 Chlorodibromomethane	129	8.032	8.021	0.011	90	316879	20.0	20.5	
83 Ethylene Dibromide	107	8.150	8.151	-0.001	99	286879	20.0	20.8	
85 Chlorobenzene	112	8.600	8.601	-0.001	96	914914	20.0	21.8	
87 Ethylbenzene	106	8.694	8.695	-0.001	98	576325	20.0	23.3	
88 m-Xylene & p-Xylene	106	8.801	8.802	-0.001	99	740145	20.0	24.1	
89 o-Xylene	106	9.179	9.180	-0.001	94	684698	20.0	22.9	
90 Styrene	104	9.191	9.192	-0.001	93	1075078	20.0	24.4	
91 Bromoform	173	9.369	9.370	-0.001	94	217750	20.0	18.7	
92 Isopropylbenzene	105	9.534	9.535	-0.001	96	1676811	20.0	21.6	
94 1,1,2,2-Tetrachloroethane	83	9.795	9.796	-0.001	97	406584	20.0	19.5	
108 1,3-Dichlorobenzene	146	10.753	10.754	-0.001	98	747422	20.0	20.7	
110 1,4-Dichlorobenzene	146	10.836	10.837	-0.001	95	774122	20.0	21.2	
114 1,2-Dichlorobenzene	146	11.215	11.216	-0.001	97	707749	20.0	20.5	
115 1,2-Dibromo-3-Chloropropane	157	11.984	11.985	-0.001	94	94622	20.0	15.9	
117 1,2,4-Trichlorobenzene	180	12.824	12.825	-0.001	93	418626	20.0	20.1	
S 131 Xylenes, Total	106				0		40.0	47.0	

QC Flag Legend

Processing Flags

Reagents:

vmfasgw_00417	Amount Added:	16.00	Units: uL	
vmfaspw_00407	Amount Added:	16.00	Units: uL	
vmfasaw_00382	Amount Added:	16.00	Units: uL	
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm40mL_vials_00016	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vm50ss_stk_00087	Amount Added:	1.63	Units: uL	Run Reagent

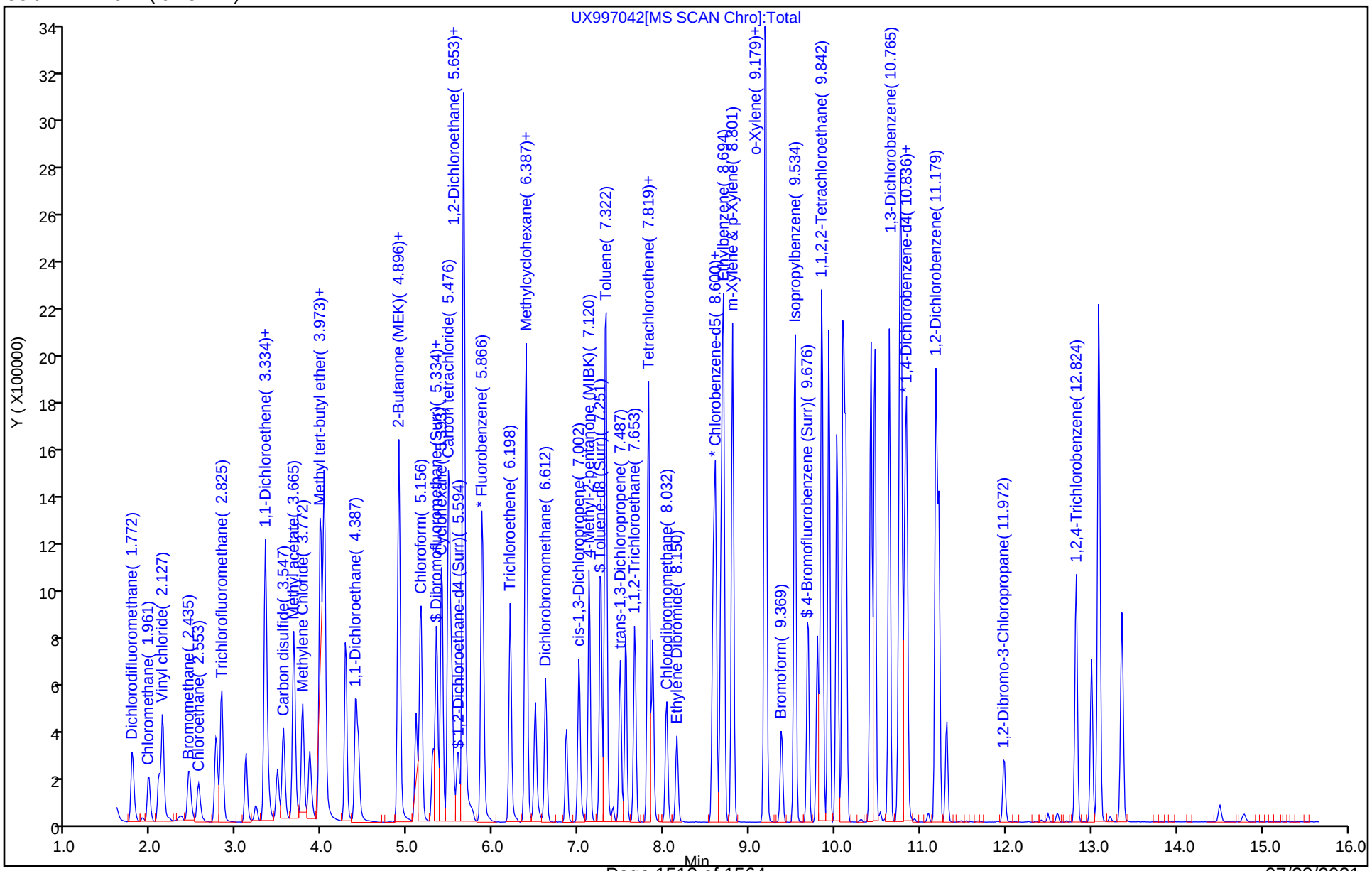
Report Date: 21-Jul-2021 16:03:52 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\UX997042.D

Injection Date:	21-Jul-2021 15:20:30	Instrument ID:	A3UX9	Operator ID:	001765
Lims ID:	240-152987-E-2 MSD			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	500.0000	ALS Bottle#:	14
Method:	8260_9	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm)



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\UX997042.D
Lims ID: 240-152987-E-2 MSD
Client ID:
Sample Type: MSD
Inject. Date: 21-Jul-2021 15:20:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 500.0000
Sample Info: 240-0111430-014
Operator ID: 001765 Instrument ID: A3UX9

Method: \\chromfs\Canton\ChromData\A3UX9\20210721-111430.b\8260_9.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Jul-2021 13:42:13 Calib Date: 16-Jun-2021 20:29:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX9\20210616-110323.b\UX996092.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1676

First Level Reviewer: bosworthh Date: 21-Jul-2021 16:02:13

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	16.3	16.2	99.03
$ 5 1,2-Dichloroethane-d4 (Surr)	16.3	15.4	94.34
$ 6 Toluene-d8 (Surr)	16.3	15.7	96.12
$ 7 4-Bromofluorobenzene (Surr)	16.3	16.5	100.99

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 240-152974-C-2 MSD

Matrix: Water Lab File ID: U1923151.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 18:41

Soil Aliquot Vol: Dilution Factor: 5

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	165		50	27
71-43-2	Benzene	94.8		5.0	2.1
75-27-4	Bromodichloromethane	86.8		5.0	0.85
75-25-2	Bromoform	77.8		5.0	3.8
74-83-9	Bromomethane	109		5.0	2.1
78-93-3	2-Butanone	199		50	5.8
75-15-0	Carbon disulfide	84.6		5.0	3.0
56-23-5	Carbon tetrachloride	94.4		5.0	1.3
108-90-7	Chlorobenzene	96.4		5.0	1.9
75-00-3	Chloroethane	111		5.0	4.2
67-66-3	Chloroform	92.8		5.0	2.4
74-87-3	Chloromethane	90.3		5.0	3.2
156-59-2	cis-1,2-Dichloroethene	303		5.0	2.3
10061-01-5	cis-1,3-Dichloropropene	77.6		5.0	3.1
124-48-1	Dibromochloromethane	87.0		5.0	2.0
96-12-8	1,2-Dibromo-3-Chloropropane	78.6		10	4.6
106-93-4	1,2-Dibromoethane	94.7		5.0	2.1
95-50-1	1,2-Dichlorobenzene	98.8		5.0	2.4
541-73-1	1,3-Dichlorobenzene	98.1		5.0	2.3
106-46-7	1,4-Dichlorobenzene	96.7		5.0	2.1
75-71-8	Dichlorodifluoromethane	107		5.0	1.8
75-34-3	1,1-Dichloroethane	94.4		5.0	2.4
107-06-2	1,2-Dichloroethane	89.5		5.0	1.1
75-35-4	1,1-Dichloroethene	96.6		5.0	2.5
78-87-5	1,2-Dichloropropane	90.0		5.0	2.4
100-41-4	Ethylbenzene	98.8		5.0	2.1
591-78-6	2-Hexanone	182		50	5.6
98-82-8	Isopropylbenzene	98.8		5.0	2.5
75-09-2	Methylene Chloride	88.1		25	13
108-10-1	4-Methyl-2-pentanone	167		50	5.0
1634-04-4	Methyl tert-butyl ether	85.6		5.0	2.4
179601-23-1	m-Xylene & p-Xylene	97.5		10	2.1
95-47-6	o-Xylene	97.1		5.0	2.1
100-42-5	Styrene	93.4		5.0	2.3
79-34-5	1,1,2,2-Tetrachloroethane	107		5.0	3.0
127-18-4	Tetrachloroethene	95.2		5.0	2.2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 240-152974-C-2 MSD

Matrix: Water Lab File ID: U1923151.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/23/2021 18:41

Soil Aliquot Vol: Dilution Factor: 5

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496393 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	99.9		5.0	2.2
156-60-5	trans-1,2-Dichloroethene	97.9		5.0	2.6
10061-02-6	trans-1,3-Dichloropropene	83.4		5.0	3.4
120-82-1	1,2,4-Trichlorobenzene	84.0		5.0	3.9
71-55-6	1,1,1-Trichloroethane	93.7		5.0	2.4
79-01-6	Trichloroethene	88.8		5.0	2.2
75-69-4	Trichlorofluoromethane	125		5.0	2.3
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	104		5.0	2.1
75-01-4	Vinyl chloride	104		5.0	2.3
1330-20-7	Xylenes, Total	195		10	2.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	109		47-134
1868-53-7	Dibromofluoromethane (Surr)	95		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		75-130
2037-26-5	Toluene-d8 (Surr)	103		69-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923151.d
Lims ID: 240-152974-C-2 MSD
Client ID:
Sample Type: MSD
Inject. Date: 23-Jul-2021 18:41:40 ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Sample Info: 240-0111514-012
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Jul-2021 16:59:42 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: laveyt Date: 23-Jul-2021 19:01:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	702888	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.464	8.464	0.000	87	518567	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	95	277029	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.404	5.416	-0.012	92	189189	4.00	19.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	99	221778	4.00	18.8	
$ 6 Toluene-d8 (Surr)	98	7.207	7.206	0.001	94	643350	4.00	20.5	
$ 7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	90	252474	4.00	21.8	
9 Dichlorodifluoromethane	85	2.072	2.072	0.000	99	202254	4.00	21.3	
10 Chloromethane	50	2.285	2.297	-0.012	99	259440	4.00	18.1	
12 Vinyl chloride	62	2.416	2.427	-0.011	98	281424	4.00	20.9	
13 Bromomethane	94	2.783	2.783	0.000	93	221398	4.00	21.8	
15 Chloroethane	64	2.878	2.878	0.000	99	178166	4.00	22.1	
17 Trichlorofluoromethane	101	3.115	3.127	-0.012	97	499346	4.00	25.1	
20 1,1-Dichloroethene	61	3.590	3.590	0.000	99	256268	4.00	19.3	
21 112TCTFE	101	3.602	3.601	0.001	95	175628	4.00	20.8	
22 Acetone	43	3.602	3.613	-0.011	100	155107	8.00	33.1	
25 Carbon disulfide	76	3.803	3.803	0.000	100	488337	4.00	16.9	
28 Methyl acetate	43	3.874	3.874	0.000	96	376123	8.00	35.1	
29 Methylene Chloride	49	4.005	4.005	0.000	90	210105	4.00	17.6	
33 Methyl tert-butyl ether	73	4.218	4.218	0.000	95	485085	4.00	17.1	
32 trans-1,2-Dichloroethene	61	4.230	4.230	0.000	97	266980	4.00	19.6	
35 1,1-Dichloroethane	63	4.586	4.586	0.000	96	314917	4.00	18.9	
40 2-Butanone (MEK)	72	5.013	5.013	0.000	99	78979	8.00	39.8	
41 cis-1,2-Dichloroethene	96	5.036	5.036	0.000	80	666799	4.00	60.6	
48 Chloroform	83	5.285	5.285	0.000	94	326263	4.00	18.6	
49 1,1,1-Trichloroethane	97	5.440	5.440	0.000	98	296329	4.00	18.7	
50 Cyclohexane	84	5.511	5.511	0.000	88	263812	4.00	20.5	
52 Carbon tetrachloride	117	5.570	5.570	0.000	96	272494	4.00	18.9	
54 Benzene	78	5.724	5.724	0.000	96	695146	4.00	19.0	
55 1,2-Dichloroethane	62	5.748	5.748	0.000	97	253885	4.00	17.9	
59 Trichloroethene	130	6.222	6.222	0.000	97	204051	4.00	17.8	
61 Methylcyclohexane	83	6.424	6.424	0.000	91	288523	4.00	19.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
62 1,2-Dichloropropane	63	6.436	6.436	0.000	93	161935	4.00	18.0	
66 Dichlorobromomethane	83	6.626	6.625	0.001	98	227908	4.00	17.4	
69 cis-1,3-Dichloropropene	75	6.969	6.969	0.000	95	239745	4.00	15.5	
70 4-Methyl-2-pentanone (MIBK)	43	7.076	7.076	0.000	96	495768	8.00	33.3	
71 Toluene	91	7.266	7.266	0.000	97	730497	4.00	20.0	
72 trans-1,3-Dichloropropene	75	7.432	7.432	0.000	96	233572	4.00	16.7	
74 1,1,2-Trichloroethane	97	7.598	7.598	0.000	93	156464	4.00	20.2	
75 Tetrachloroethene	166	7.705	7.705	0.000	96	207548	4.00	19.0	
77 2-Hexanone	43	7.764	7.764	0.000	96	392794	8.00	36.3	
79 Chlorodibromomethane	129	7.942	7.942	0.000	88	168480	4.00	17.4	
81 Ethylene Dibromide	107	8.060	8.060	0.000	97	172270	4.00	18.9	
83 Chlorobenzene	112	8.487	8.487	0.000	96	464873	4.00	19.3	
85 Ethylbenzene	106	8.547	8.547	0.001	98	258777	4.00	19.8	
86 m-Xylene & p-Xylene	106	8.665	8.665	0.000	99	310617	4.00	19.5	
87 o-Xylene	106	9.009	9.009	0.000	94	302185	4.00	19.4	
88 Styrene	104	9.033	9.021	0.012	94	472321	4.00	18.7	
89 Bromoform	173	9.211	9.211	0.000	94	121871	4.00	15.6	
90 Isopropylbenzene	105	9.341	9.341	0.000	96	786673	4.00	19.8	
93 1,1,2,2-Tetrachloroethane	83	9.602	9.602	0.000	96	253289	4.00	21.4	
107 1,3-Dichlorobenzene	146	10.515	10.515	0.000	95	384173	4.00	19.6	
109 1,4-Dichlorobenzene	146	10.610	10.610	0.000	94	386993	4.00	19.3	
113 1,2-Dichlorobenzene	146	10.954	10.954	0.000	97	368461	4.00	19.8	
114 1,2-Dibromo-3-Chloropropane	157	11.689	11.689	0.000	83	63619	4.00	15.7	
116 1,2,4-Trichlorobenzene	180	12.484	12.484	0.000	94	216824	4.00	16.8	
S 128 Xylenes, Total	106				0		8.00	38.9	

QC Flag Legend

Processing Flags

Reagents:

vmfasgw_00417	Amount Added:	16.00	Units: uL	
vmfasaw_00382	Amount Added:	16.00	Units: uL	
vmfaspw_00407	Amount Added:	16.00	Units: uL	
vm50ss_stk_00087	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00008	Amount Added:	2.00	Units: uL	Run Reagent

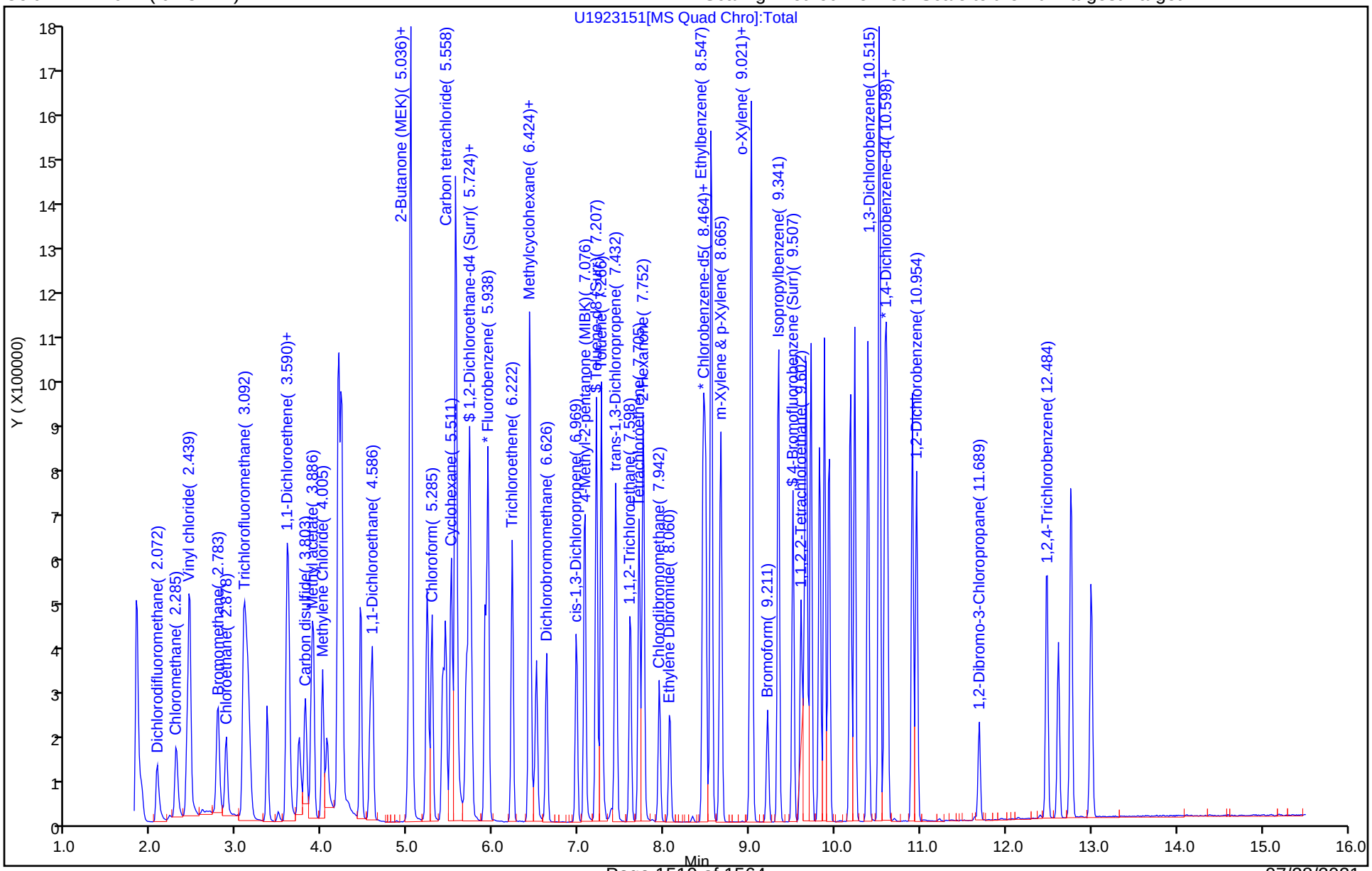
Report Date: 23-Jul-2021 19:01:24 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923151.d

Injection Date:	23-Jul-2021 18:41:40	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	240-152974-C-2 MSD			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	5.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\U1923151.d
Lims ID: 240-152974-C-2 MSD
Client ID:
Sample Type: MSD
Inject. Date: 23-Jul-2021 18:41:40 ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Sample Info: 240-0111514-012
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210723-111514.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Jul-2021 16:59:42 Calib Date: 12-Jul-2021 21:37:57
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1673

First Level Reviewer: laveyt Date: 23-Jul-2021 19:01:23

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.0	474.82
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	18.8	469.21
$ 6 Toluene-d8 (Surr)	20.0	20.5	513.04
$ 7 4-Bromofluorobenzene (Surr)	20.0	21.8	546.11

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 240-153306-B-2 MSD

Matrix: Water Lab File ID: UXM38856.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 22:30

Soil Aliquot Vol: Dilution Factor: 40

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496537 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	1630		400	220
71-43-2	Benzene	822		40	17
75-27-4	Bromodichloromethane	766		40	6.8
75-25-2	Bromoform	661		40	30
74-83-9	Bromomethane	768		40	17
78-93-3	2-Butanone	1680		400	46
75-15-0	Carbon disulfide	787		40	24
56-23-5	Carbon tetrachloride	811		40	10
108-90-7	Chlorobenzene	805		40	15
75-00-3	Chloroethane	738		40	33
67-66-3	Chloroform	857		40	19
74-87-3	Chloromethane	793		40	25
156-59-2	cis-1,2-Dichloroethene	858		40	18
10061-01-5	cis-1,3-Dichloropropene	727		40	24
124-48-1	Dibromochloromethane	715		40	16
75-34-3	1,1-Dichloroethane	773		40	19
107-06-2	1,2-Dichloroethane	869		40	8.4
75-35-4	1,1-Dichloroethene	2580		40	20
78-87-5	1,2-Dichloropropane	793		40	19
100-41-4	Ethylbenzene	793		40	17
591-78-6	2-Hexanone	1360		400	44
75-09-2	Methylene Chloride	869		200	100
108-10-1	4-Methyl-2-pentanone	1400		400	40
179601-23-1	m-Xylene & p-Xylene	798		80	17
95-47-6	o-Xylene	818		40	17
100-42-5	Styrene	895		40	18
79-34-5	1,1,2,2-Tetrachloroethane	750		40	24
127-18-4	Tetrachloroethene	807		40	18
108-88-3	Toluene	779		40	18
156-60-5	trans-1,2-Dichloroethene	850		40	20
10061-02-6	trans-1,3-Dichloropropene	684		40	27
71-55-6	1,1,1-Trichloroethane	846		40	19
79-01-6	Trichloroethene	832		40	18
75-01-4	Vinyl chloride	1780		40	18
1330-20-7	Xylenes, Total	1620		80	17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 240-153306-B-2 MSD

Matrix: Water Lab File ID: UXM38856.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/26/2021 22:30

Soil Aliquot Vol: Dilution Factor: 40

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 496537 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	101		47-134
1868-53-7	Dibromofluoromethane (Surr)	100		78-129
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		75-130
2037-26-5	Toluene-d8 (Surr)	95		69-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\UXM38856.D
Lims ID: 240-153306-B-2 MSD
Client ID:
Sample Type: MSD
Inject. Date: 26-Jul-2021 22:30:30 ALS Bottle#: 30 Worklist Smp#: 30
Purge Vol: 5.000 mL Dil. Factor: 40.0000
Sample Info: 240-0111551-030
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Jul-2021 08:26:08 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: bosworthh Date: 27-Jul-2021 08:37:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.845	5.845	0.000	99	902595	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	87	753406	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	440545	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.264	5.265	0.000	93	248820	22.7	22.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	295340	22.7	22.8	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	992242	22.7	21.6	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	90	405798	22.7	23.0	
10 Chloromethane	50	1.897	1.897	0.000	99	332073	20.0	19.8	
11 Vinyl chloride	62	2.015	2.015	0.000	97	738365	20.0	44.4	
13 Bromomethane	94	2.347	2.347	0.000	90	179733	20.0	19.2	
14 Chloroethane	64	2.478	2.478	0.000	99	172027	20.0	18.4	
19 1,1-Dichloroethene	96	3.237	3.237	0.000	98	647593	20.0	64.6	
21 Acetone	58	3.284	3.284	0.000	99	34746	40.0	40.9	
24 Carbon disulfide	76	3.450	3.450	0.000	100	646635	20.0	19.7	
28 Methylene Chloride	84	3.711	3.711	0.000	89	258309	20.0	21.7	
32 trans-1,2-Dichloroethene	96	3.948	3.960	-0.012	96	255387	20.0	21.2	
34 1,1-Dichloroethane	63	4.351	4.351	0.000	96	408661	20.0	19.3	
40 2-Butanone (MEK)	72	4.826	4.826	0.000	99	44550	40.0	41.9	
39 cis-1,2-Dichloroethene	96	4.849	4.849	0.000	80	286184	20.0	21.4	
47 Chloroform	83	5.134	5.134	0.000	94	442362	20.0	21.4	
48 1,1,1-Trichloroethane	97	5.288	5.288	0.000	98	376180	20.0	21.1	
51 Carbon tetrachloride	117	5.419	5.419	0.000	90	296044	20.0	20.3	
54 Benzene	78	5.585	5.585	0.000	97	937390	20.0	20.6	
53 1,2-Dichloroethane	62	5.632	5.632	0.000	98	330004	20.0	21.7	
58 Trichloroethene	130	6.154	6.154	0.000	96	246545	20.0	20.8	
61 1,2-Dichloropropane	63	6.379	6.379	0.000	91	213213	20.0	19.8	
65 Dichlorobromomethane	83	6.604	6.605	-0.001	99	293584	20.0	19.1	
68 cis-1,3-Dichloropropene	75	6.984	6.984	0.000	94	321666	20.0	18.2	
69 4-Methyl-2-pentanone (MIBK)	43	7.102	7.103	-0.001	95	284871	40.0	35.1	
70 Toluene	91	7.280	7.280	0.000	98	1050367	20.0	19.5	
71 trans-1,3-Dichloropropene	75	7.482	7.482	0.000	94	289494	20.0	17.1	
73 1,1,2-Trichloroethane	97	7.672	7.672	0.000	91	186233	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
75 Tetrachloroethene	164	7.755	7.755	0.000	98	202264	20.0	20.2	
76 2-Hexanone	43	7.850	7.850	0.000	93	211010	40.0	33.9	
78 Chlorodibromomethane	129	8.016	8.016	0.000	90	190080	20.0	17.9	
82 Chlorobenzene	112	8.597	8.597	0.000	97	693089	20.0	20.1	
84 Ethylbenzene	106	8.680	8.680	0.000	98	386610	20.0	19.8	
85 m-Xylene & p-Xylene	106	8.798	8.798	0.000	98	492032	20.0	20.0	
86 o-Xylene	106	9.166	9.166	0.000	97	474918	20.0	20.4	
87 Styrene	104	9.190	9.178	0.012	95	795018	20.0	22.4	
88 Bromoform	173	9.367	9.368	-0.001	95	107308	20.0	16.5	
92 1,1,2,2-Tetrachloroethane	83	9.818	9.818	0.000	96	228644	20.0	18.7	
S 133 Xylenes, Total	106				0		40.0	40.4	

QC Flag Legend

Processing Flags

Reagents:

vmfasaw_00383	Amount Added:	16.00	Units: uL	
vmfaspw_00408	Amount Added:	16.00	Units: uL	
vmfasgw_00417	Amount Added:	16.00	Units: uL	
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00198	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00087	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

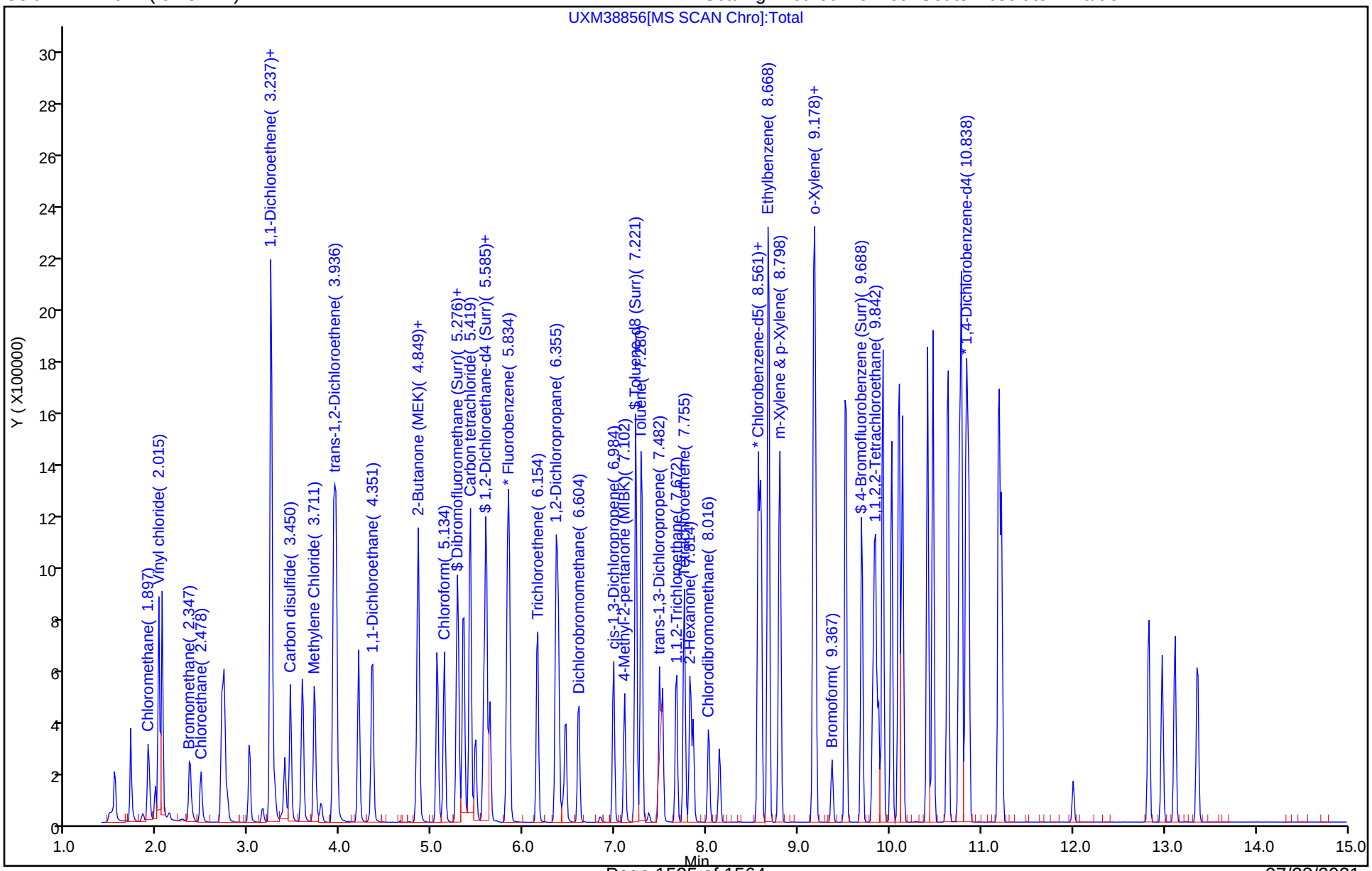
Report Date: 27-Jul-2021 08:37:43 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\UXM38856.D

Injection Date:	26-Jul-2021 22:30:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-153306-B-2 MSD			Worklist Smp#:	30
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	40.0000	ALS Bottle#:	30
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\UXM38856.D
Lims ID: 240-153306-B-2 MSD
Client ID:
Sample Type: MSD
Inject. Date: 26-Jul-2021 22:30:30 ALS Bottle#: 30 Worklist Smp#: 30
Purge Vol: 5.000 mL Dil. Factor: 40.0000
Sample Info: 240-0111551-030
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210726-111551.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 27-Jul-2021 08:26:08 Calib Date: 23-Apr-2021 18:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: bosworthh Date: 27-Jul-2021 08:37:43

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	22.7	100.15
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	22.8	100.69
$ 6 Toluene-d8 (Surr)	22.7	21.6	95.25
$ 7 4-Bromofluorobenzene (Surr)	22.7	23.0	101.30

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 Start Date: 04/23/2021 11:11

Analysis Batch Number: 482539 End Date: 04/23/2021 18:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-482539/1		04/23/2021 11:11	1	BFB6676.D	DB-624 0.18(mm)
STD8260 240-482539/9 IC		04/23/2021 12:04	1	UXM36559.D	DB-624 0.18(mm)
STD8260 240-482539/10 IC		04/23/2021 12:28	1	UXM36560.D	DB-624 0.18(mm)
STD8260 240-482539/11 IC		04/23/2021 12:52	1	UXM36561.D	DB-624 0.18(mm)
ICIS 240-482539/12		04/23/2021 13:16	1	UXM36562.D	DB-624 0.18(mm)
STD8260 240-482539/13 IC		04/23/2021 13:40	1	UXM36563.D	DB-624 0.18(mm)
STD8260 240-482539/14 IC		04/23/2021 14:04	1	UXM36564.D	DB-624 0.18(mm)
STD8260 240-482539/15 IC		04/23/2021 14:28	1	UXM36565.D	DB-624 0.18(mm)
STD8260 240-482539/16 IC		04/23/2021 14:53	1	UXM36566.D	DB-624 0.18(mm)
ICV 240-482539/17		04/23/2021 15:17	1	UXM36567.D	DB-624 0.18(mm)
STDA9 240-482539/20 IC		04/23/2021 16:29	1	UXM36570.D	DB-624 0.18(mm)
STDA9 240-482539/21 IC		04/23/2021 16:53	1	UXM36571.D	DB-624 0.18(mm)
STDA9 240-482539/22 IC		04/23/2021 17:17	1	UXM36572.D	DB-624 0.18(mm)
STDA9 240-482539/23 IC		04/23/2021 17:42	1	UXM36573.D	DB-624 0.18(mm)
STDA9 240-482539/24 IC		04/23/2021 18:06	1	UXM36574.D	DB-624 0.18(mm)
STDA9 240-482539/25 IC		04/23/2021 18:30	1	UXM36575.D	DB-624 0.18(mm)
ICV 240-482539/26		04/23/2021 18:55	1	UXM36576.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 Start Date: 06/16/2021 13:50

Analysis Batch Number: 490967 End Date: 06/16/2021 20:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-490967/1		06/16/2021 13:50	1	BFB1296.D	DB-624 0.18(mm)
STD8260 240-490967/8 IC		06/16/2021 14:43	1	UX996077.D	DB-624 0.18(mm)
STD8260 240-490967/9 IC		06/16/2021 15:06	1	UX996078.D	DB-624 0.18(mm)
STD8260 240-490967/10 IC		06/16/2021 15:29	1	UX996079.D	DB-624 0.18(mm)
ICIS 240-490967/11		06/16/2021 15:52	1	UX996080.D	DB-624 0.18(mm)
STD8260 240-490967/12 IC		06/16/2021 16:15	1	UX996081.D	DB-624 0.18(mm)
STD8260 240-490967/13 IC		06/16/2021 16:38	1	UX996082.D	DB-624 0.18(mm)
STD8260 240-490967/14 IC		06/16/2021 17:01	1	UX996083.D	DB-624 0.18(mm)
ICV 240-490967/15		06/16/2021 17:24	1	UX996084.D	DB-624 0.18(mm)
STDA9 240-490967/18 IC		06/16/2021 18:33	1	UX996087.D	DB-624 0.18(mm)
STDA9 240-490967/19 IC		06/16/2021 18:56	1	UX996088.D	DB-624 0.18(mm)
STDA9 240-490967/20 IC		06/16/2021 19:20	1	UX996089.D	DB-624 0.18(mm)
STDA9 240-490967/21 IC		06/16/2021 19:43	1	UX996090.D	DB-624 0.18(mm)
STDA9 240-490967/22 IC		06/16/2021 20:06	1	UX996091.D	DB-624 0.18(mm)
STDA9 240-490967/23 IC		06/16/2021 20:29	1	UX996092.D	DB-624 0.18(mm)
ICV 240-490967/24		06/16/2021 20:52	1	UX996093.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 Start Date: 07/10/2021 13:18

Analysis Batch Number: 494428 End Date: 07/10/2021 18:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-494428/1		07/10/2021 13:18	1	bfb869.d	DB-624 0.18(mm)
STD8260 240-494428/9 IC		07/10/2021 14:02	1	U1922955.d	DB-624 0.18(mm)
STD8260 240-494428/10 IC		07/10/2021 14:24	1	U1922956.d	DB-624 0.18(mm)
STD8260 240-494428/11 IC		07/10/2021 14:46	1	U1922957.d	DB-624 0.18(mm)
ICIS 240-494428/12		07/10/2021 15:08	1	U1922958.d	DB-624 0.18(mm)
STD8260 240-494428/13 IC		07/10/2021 15:30	1	U1922959.d	DB-624 0.18(mm)
STD8260 240-494428/14 IC		07/10/2021 15:53	1	U1922960.d	DB-624 0.18(mm)
STD8260 240-494428/15 IC		07/10/2021 16:15	1	U1922961.d	DB-624 0.18(mm)
STD8260 240-494428/16 IC		07/10/2021 16:37	1	U1922962.d	DB-624 0.18(mm)
ICV 240-494428/17		07/10/2021 17:00	1	U1922963.d	DB-624 0.18(mm)
MRL 240-494428/18 MDLV		07/10/2021 17:22	1		DB-624 0.18(mm)
MDLV 240-494428/19		07/10/2021 17:44	1		DB-624 0.18(mm)
ZZZZZ		07/10/2021 18:06	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 Start Date: 07/12/2021 16:27

Analysis Batch Number: 494648 End Date: 07/13/2021 02:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-494648/1		07/12/2021 16:27	1	bfb870.d	DB-624 0.18(mm)
CCV 240-494648/3		07/12/2021 16:49	1		DB-624 0.18(mm)
CCVIS 240-494648/4		07/12/2021 17:11	1		DB-624 0.18(mm)
ZZZZZ		07/12/2021 17:33	1		DB-624 0.18(mm)
MRL 240-494648/6 MDLV		07/12/2021 17:55	1		DB-624 0.18(mm)
ZZZZZ		07/12/2021 18:40	1		DB-624 0.18(mm)
ZZZZZ		07/12/2021 19:02	250		DB-624 0.18(mm)
STDA9 240-494648/11 IC		07/12/2021 19:46	1	U1922975.d	DB-624 0.18(mm)
STDA9 240-494648/12 IC		07/12/2021 20:09	1	U1922976.d	DB-624 0.18(mm)
STDA9 240-494648/13 IC		07/12/2021 20:31	1	U1922977.d	DB-624 0.18(mm)
STDA9 240-494648/14 IC		07/12/2021 20:53	1	U1922978.d	DB-624 0.18(mm)
STDA9 240-494648/15 IC		07/12/2021 21:15	1	U1922979.d	DB-624 0.18(mm)
STDA9 240-494648/16 IC		07/12/2021 21:37	1	U1922980.d	DB-624 0.18(mm)
ICV 240-494648/17		07/12/2021 22:00	1	U1922981.d	DB-624 0.18(mm)
ZZZZZ		07/12/2021 22:44	1		DB-624 0.18(mm)
ZZZZZ		07/12/2021 23:07	1		DB-624 0.18(mm)
ZZZZZ		07/12/2021 23:29	1		DB-624 0.18(mm)
ZZZZZ		07/12/2021 23:51	1		DB-624 0.18(mm)
ZZZZZ		07/13/2021 00:13	1		DB-624 0.18(mm)
ZZZZZ		07/13/2021 00:36	2		DB-624 0.18(mm)
ZZZZZ		07/13/2021 00:58	1		DB-624 0.18(mm)
ZZZZZ		07/13/2021 01:20	1		DB-624 0.18(mm)
ZZZZZ		07/13/2021 01:42	1		DB-624 0.18(mm)
ZZZZZ		07/13/2021 02:04	1		DB-624 0.18(mm)
ZZZZZ		07/13/2021 02:26	2		DB-624 0.18(mm)
ZZZZZ		07/13/2021 02:47	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 Start Date: 07/20/2021 09:55

Analysis Batch Number: 495770 End Date: 07/20/2021 21:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-495770/1		07/20/2021 09:55	1	BFB1331.D	DB-624 0.18(mm)
CCVIS 240-495770/3		07/20/2021 10:22	1	UX996998.D	DB-624 0.18(mm)
CCV 240-495770/4		07/20/2021 10:45	1	UX996999.D	DB-624 0.18(mm)
LCS 240-495770/5		07/20/2021 11:07	1	UX997000.D	DB-624 0.18(mm)
MRL 240-495770/6 MDLV		07/20/2021 11:30	1		DB-624 0.18(mm)
MRL 240-495770/7 MDLV		07/20/2021 11:53	1		DB-624 0.18(mm)
MB 240-495770/8		07/20/2021 12:16	1	UX997003.D	DB-624 0.18(mm)
ZZZZZ		07/20/2021 12:52	1		DB-624 0.18(mm)
ZZZZZ		07/20/2021 13:15	100		DB-624 0.18(mm)
ZZZZZ		07/20/2021 13:37	10		DB-624 0.18(mm)
ZZZZZ		07/20/2021 14:00	1		DB-624 0.18(mm)
ZZZZZ		07/20/2021 14:23	5		DB-624 0.18(mm)
ZZZZZ		07/20/2021 14:46	1		DB-624 0.18(mm)
240-152946-1	MSA-SW37A-071521	07/20/2021 15:09	1	UX997010.D	DB-624 0.18(mm)
240-152946-2	MSA-SW37B-071521	07/20/2021 15:32	1	UX997011.D	DB-624 0.18(mm)
240-152946-3	MSA-SW37C-071521	07/20/2021 15:55	1	UX997012.D	DB-624 0.18(mm)
240-152946-4	MSA-SW37D-071521	07/20/2021 16:18	1	UX997013.D	DB-624 0.18(mm)
240-152946-5	MSA-SW38A-071521	07/20/2021 16:41	1	UX997014.D	DB-624 0.18(mm)
ZZZZZ		07/20/2021 17:04	20		DB-624 0.18(mm)
ZZZZZ		07/20/2021 17:27	20		DB-624 0.18(mm)
ZZZZZ		07/20/2021 17:50	1		DB-624 0.18(mm)
ZZZZZ		07/20/2021 18:13	1		DB-624 0.18(mm)
ZZZZZ		07/20/2021 18:36	1		DB-624 0.18(mm)
ZZZZZ		07/20/2021 18:59	1		DB-624 0.18(mm)
ZZZZZ		07/20/2021 19:22	1		DB-624 0.18(mm)
ZZZZZ		07/20/2021 19:45	1		DB-624 0.18(mm)
ZZZZZ		07/20/2021 20:08	1		DB-624 0.18(mm)
240-152672-C-3 MS		07/20/2021 20:31	20	UX997024.D	DB-624 0.18(mm)
240-152672-C-3 MSD		07/20/2021 20:54	20	UX997025.D	DB-624 0.18(mm)
ZZZZZ		07/20/2021 21:17	10		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 Start Date: 07/21/2021 10:40

Analysis Batch Number: 495975 End Date: 07/21/2021 21:51

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-495975/1		07/21/2021 10:40	1	BFB1332.D	DB-624 0.18(mm)
CCVIS 240-495975/3		07/21/2021 11:07	1	UX997031.D	DB-624 0.18(mm)
CCV 240-495975/4		07/21/2021 11:30	1	UX997032.D	DB-624 0.18(mm)
LCS 240-495975/5		07/21/2021 11:53	1	UX997033.D	DB-624 0.18(mm)
MRL 240-495975/6 MDLV		07/21/2021 12:16	1		DB-624 0.18(mm)
MRL 240-495975/7 MDLV		07/21/2021 12:39	1		DB-624 0.18(mm)
MB 240-495975/8		07/21/2021 13:02	1	UX997036.D	DB-624 0.18(mm)
ZZZZZ		07/21/2021 13:25	100		DB-624 0.18(mm)
ZZZZZ		07/21/2021 13:48	1		DB-624 0.18(mm)
ZZZZZ		07/21/2021 14:11	1		DB-624 0.18(mm)
ZZZZZ		07/21/2021 14:34	500		DB-624 0.18(mm)
240-152987-E-2 MS		07/21/2021 14:57	500	UX997041.D	DB-624 0.18(mm)
240-152987-E-2 MSD		07/21/2021 15:20	500	UX997042.D	DB-624 0.18(mm)
ZZZZZ		07/21/2021 15:43	1		DB-624 0.18(mm)
ZZZZZ		07/21/2021 16:06	1		DB-624 0.18(mm)
ZZZZZ		07/21/2021 16:29	1		DB-624 0.18(mm)
ZZZZZ		07/21/2021 16:52	1		DB-624 0.18(mm)
ZZZZZ		07/21/2021 17:15	1		DB-624 0.18(mm)
ZZZZZ		07/21/2021 17:38	1		DB-624 0.18(mm)
ZZZZZ		07/21/2021 18:01	1		DB-624 0.18(mm)
ZZZZZ		07/21/2021 18:24	1		DB-624 0.18(mm)
ZZZZZ		07/21/2021 18:47	1		DB-624 0.18(mm)
ZZZZZ		07/21/2021 19:10	1		DB-624 0.18(mm)
ZZZZZ		07/21/2021 19:33	1		DB-624 0.18(mm)
ZZZZZ		07/21/2021 19:56	1		DB-624 0.18(mm)
240-152946-6	MSA-SW38B-071521	07/21/2021 20:19	1	UX997055.D	DB-624 0.18(mm)
ZZZZZ		07/21/2021 20:42	1		DB-624 0.18(mm)
ZZZZZ		07/21/2021 21:05	1		DB-624 0.18(mm)
ZZZZZ		07/21/2021 21:28	1		DB-624 0.18(mm)
ZZZZZ		07/21/2021 21:51	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX9 Start Date: 07/22/2021 10:23

Analysis Batch Number: 496159 End Date: 07/22/2021 21:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-496159/1		07/22/2021 10:23	1		DB-624 0.18(mm)
BFB 240-496159/2		07/22/2021 10:38	1	BFB1334.D	DB-624 0.18(mm)
CCVIS 240-496159/3		07/22/2021 11:07	1	UX997063.D	DB-624 0.18(mm)
CCV 240-496159/4		07/22/2021 11:30	1	UX997064.D	DB-624 0.18(mm)
LCS 240-496159/5		07/22/2021 11:52	1	UX997065.D	DB-624 0.18(mm)
MRL 240-496159/6 MDLV		07/22/2021 12:15	1		DB-624 0.18(mm)
MRL 240-496159/7 MDLV		07/22/2021 12:38	1		DB-624 0.18(mm)
MB 240-496159/8		07/22/2021 13:01	1	UX997068.D	DB-624 0.18(mm)
LCSD 240-496159/9		07/22/2021 13:25	1	UX997069.D	DB-624 0.18(mm)
ZZZZZ		07/22/2021 13:48	1		DB-624 0.18(mm)
ZZZZZ		07/22/2021 14:10	1		DB-624 0.18(mm)
ZZZZZ		07/22/2021 14:33	1		DB-624 0.18(mm)
ZZZZZ		07/22/2021 14:56	1		DB-624 0.18(mm)
240-152946-7	MSA-SW38C-071521	07/22/2021 15:19	1	UX997074.D	DB-624 0.18(mm)
240-152946-8	MSA-SW38D-071521	07/22/2021 15:42	1	UX997075.D	DB-624 0.18(mm)
240-152946-9	MSA-SW40A-071521	07/22/2021 16:05	1	UX997076.D	DB-624 0.18(mm)
240-152946-10	MSA-SW40B-071521	07/22/2021 16:28	1	UX997077.D	DB-624 0.18(mm)
240-152946-11	MSA-SW40C-071521	07/22/2021 16:51	1	UX997078.D	DB-624 0.18(mm)
240-152946-12	MSA-SW40D-071521	07/22/2021 17:14	1	UX997079.D	DB-624 0.18(mm)
240-152946-13	MSA-SW41A-071521	07/22/2021 17:37	1	UX997080.D	DB-624 0.18(mm)
240-152946-14	MSA-SW41B-071521	07/22/2021 18:00	1	UX997081.D	DB-624 0.18(mm)
240-152946-15	MSA-SW41C-071521	07/22/2021 18:23	1	UX997082.D	DB-624 0.18(mm)
240-152946-16	MSA-SW41D-071521	07/22/2021 18:45	1	UX997083.D	DB-624 0.18(mm)
240-152946-17	MSA-SW42A-071521	07/22/2021 19:08	1	UX997084.D	DB-624 0.18(mm)
ZZZZZ		07/22/2021 19:30	1		DB-624 0.18(mm)
240-152946-19	MSA-SW42C-071521	07/22/2021 19:53	1	UX997086.D	DB-624 0.18(mm)
ZZZZZ		07/22/2021 20:15	1		DB-624 0.18(mm)
ZZZZZ		07/22/2021 20:38	1		DB-624 0.18(mm)
ZZZZZ		07/22/2021 21:00	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 Start Date: 07/23/2021 14:59

Analysis Batch Number: 496393 End Date: 07/24/2021 01:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-496393/1		07/23/2021 14:59	1	bfb877.d	DB-624 0.18(mm)
CCV 240-496393/3		07/23/2021 15:21	1	U1923142.d	DB-624 0.18(mm)
CCVIS 240-496393/4		07/23/2021 15:43	1	U1923143.d	DB-624 0.18(mm)
LCS 240-496393/5		07/23/2021 16:05	1	U1923144.d	DB-624 0.18(mm)
MRL 240-496393/6 MDLV		07/23/2021 16:27	1		DB-624 0.18(mm)
MRL 240-496393/7 MDLV		07/23/2021 16:50	1		DB-624 0.18(mm)
MB 240-496393/8		07/23/2021 17:12	1	U1923147.d	DB-624 0.18(mm)
ZZZZZ		07/23/2021 17:34	5		DB-624 0.18(mm)
ZZZZZ		07/23/2021 17:57	10		DB-624 0.18(mm)
240-152974-C-2 MS		07/23/2021 18:19	5	U1923150.d	DB-624 0.18(mm)
240-152974-C-2 MSD		07/23/2021 18:41	5	U1923151.d	DB-624 0.18(mm)
240-152946-23	MSA-SW43C-071521	07/23/2021 19:26	1	U1923153.d	DB-624 0.18(mm)
240-152946-24	MSA-SW43D-071521	07/23/2021 19:48	1	U1923154.d	DB-624 0.18(mm)
240-152946-25	MSA-SW44A-071521	07/23/2021 20:10	1	U1923155.d	DB-624 0.18(mm)
240-152946-26	MSA-SW44B-071521	07/23/2021 20:32	1	U1923156.d	DB-624 0.18(mm)
240-152946-27	MSA-SW44C-071521	07/23/2021 20:54	1	U1923157.d	DB-624 0.18(mm)
240-152946-28	MSA-SW44D-071521	07/23/2021 21:16	1	U1923158.d	DB-624 0.18(mm)
240-152946-29	TB-071521	07/23/2021 21:39	1	U1923159.d	DB-624 0.18(mm)
240-152946-30	MSA-SW46A-071521	07/23/2021 22:01	1	U1923160.d	DB-624 0.18(mm)
240-152946-31	MSA-SW47A-071521	07/23/2021 22:23	1	U1923161.d	DB-624 0.18(mm)
240-152946-32	MSA-SW48A-071521	07/23/2021 22:45	1	U1923162.d	DB-624 0.18(mm)
240-152946-33	MSA-SW49A-071521	07/23/2021 23:08	1	U1923163.d	DB-624 0.18(mm)
ZZZZZ		07/23/2021 23:30	1		DB-624 0.18(mm)
ZZZZZ		07/23/2021 23:52	1		DB-624 0.18(mm)
ZZZZZ		07/24/2021 00:14	1		DB-624 0.18(mm)
ZZZZZ		07/24/2021 00:37	1		DB-624 0.18(mm)
ZZZZZ		07/24/2021 00:59	1		DB-624 0.18(mm)
ZZZZZ		07/24/2021 01:21	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 Start Date: 07/26/2021 11:01

Analysis Batch Number: 496537 End Date: 07/26/2021 22:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-496537/1		07/26/2021 11:01	1	BFB1331.D	DB-624 0.18(mm)
CCVIS 240-496537/3		07/26/2021 11:26	1	UXM38829.D	DB-624 0.18(mm)
CCV 240-496537/4		07/26/2021 11:50	1	UXM38830.D	DB-624 0.18(mm)
LCS 240-496537/5		07/26/2021 12:15	1	UXM38831.D	DB-624 0.18(mm)
MDLV 240-496537/6		07/26/2021 12:40	1		DB-624 0.18(mm)
MDLV 240-496537/7		07/26/2021 13:04	1		DB-624 0.18(mm)
MB 240-496537/8		07/26/2021 13:29	1	UXM38834.D	DB-624 0.18(mm)
ZZZZZ		07/26/2021 14:19	1		DB-624 0.18(mm)
ZZZZZ		07/26/2021 14:43	3.33		DB-624 0.18(mm)
ZZZZZ		07/26/2021 15:08	40		DB-624 0.18(mm)
ZZZZZ		07/26/2021 15:32	1		DB-624 0.18(mm)
ZZZZZ		07/26/2021 15:57	1		DB-624 0.18(mm)
ZZZZZ		07/26/2021 16:21	10		DB-624 0.18(mm)
ZZZZZ		07/26/2021 16:46	1		DB-624 0.18(mm)
ZZZZZ		07/26/2021 17:11	1		DB-624 0.18(mm)
ZZZZZ		07/26/2021 17:35	1		DB-624 0.18(mm)
240-152946-18	MSA-SW42B-071521	07/26/2021 18:00	1	UXM38845.D	DB-624 0.18(mm)
240-152946-20	MSA-SW42D-071521	07/26/2021 18:25	1	UXM38846.D	DB-624 0.18(mm)
240-152946-21	MSA-SW43A-071521	07/26/2021 18:50	1	UXM38847.D	DB-624 0.18(mm)
240-152946-22	MSA-SW43B-071521	07/26/2021 19:15	1	UXM38848.D	DB-624 0.18(mm)
ZZZZZ		07/26/2021 19:39	1		DB-624 0.18(mm)
ZZZZZ		07/26/2021 20:04	1		DB-624 0.18(mm)
ZZZZZ		07/26/2021 20:29	1		DB-624 0.18(mm)
ZZZZZ		07/26/2021 20:53	1		DB-624 0.18(mm)
ZZZZZ		07/26/2021 21:17	1		DB-624 0.18(mm)
ZZZZZ		07/26/2021 21:42	20		DB-624 0.18(mm)
240-153306-B-2 MS		07/26/2021 22:06	40	UXM38855.D	DB-624 0.18(mm)
240-153306-B-2 MSD		07/26/2021 22:30	40	UXM38856.D	DB-624 0.18(mm)
MDLV 240-496537/31		07/26/2021 22:54	1		DB-624 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Batch Number: 482539 Batch Start Date: 04/23/21 11:11 Batch Analyst: Bosworth, Heather M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	vm50is_stk_a 00008	vm50ss 00439	vm50ss_stk 00087	vmarolistdw 00389
BFB 240-482539/1		8260C		5 mL	5 mL				
STD8260 240-482539/9 IC		8260C		5 mL	5 mL	2 uL	64 uL		64 uL
STD8260 240-482539/10 IC		8260C		5 mL	5 mL	2 uL	48 uL		48 uL
STD8260 240-482539/11 IC		8260C		5 mL	5 mL	2 uL	32 uL		32 uL
ICIS 240-482539/12		8260C		5 mL	5 mL	2 uL	16 uL		16 uL
STD8260 240-482539/13 IC		8260C		5 mL	5 mL	2 uL	8 uL		8 uL
STD8260 240-482539/14 IC		8260C		5 mL	5 mL	2 uL	4 uL		4 uL
STD8260 240-482539/15 IC		8260C		5 mL	5 mL	2 uL	0.8 uL		0.8 uL
STD8260 240-482539/16 IC		8260C		5 mL	5 mL	2 uL	0.4 uL		0.4 uL
ICV 240-482539/17		8260C		5 mL	5 mL	2 uL		2 uL	
STDA9 240-482539/20 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-482539/21 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-482539/22 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-482539/23 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-482539/24 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Batch Number: 482539 Batch Start Date: 04/23/21 11:11 Batch Analyst: Bosworth, Heather M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	vm50is_stk_a 00008	vm50ss 00439	vm50ss_stk 00087	vmarolistdw 00389
STDA9 240-482539/25 IC		8260C		5 mL	5 mL	2 uL			
ICV 240-482539/26		8260C		5 mL	5 mL	2 uL		2 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00026	vmfasa9w 00317	VMFASAW 00371	vmfasgw 00404	vmfaspw 00395	vmra9w 00388
BFB 240-482539/1		8260C		1 uL					
STD8260 240-482539/9 IC		8260C							
STD8260 240-482539/10 IC		8260C							
STD8260 240-482539/11 IC		8260C							
ICIS 240-482539/12		8260C							
STD8260 240-482539/13 IC		8260C							
STD8260 240-482539/14 IC		8260C							
STD8260 240-482539/15 IC		8260C							
STD8260 240-482539/16 IC		8260C							
ICV 240-482539/17		8260C				16 uL	16 uL	16 uL	
STDA9 240-482539/20 IC		8260C							64 uL
STDA9 240-482539/21 IC		8260C							32 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Batch Number: 482539 Batch Start Date: 04/23/21 11:11 Batch Analyst: Bosworth, Heather M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00026	vmfasa9w 00317	VMFASAW 00371	vmfasgw 00404	vmfaspw 00395	vmra9w 00388
STDA9 240-482539/22 IC		8260C							16 uL
STDA9 240-482539/23 IC		8260C							8 uL
STDA9 240-482539/24 IC		8260C							0.8 uL
STDA9 240-482539/25 IC		8260C							0.4 uL
ICV 240-482539/26		8260C			16 uL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrgas 00382	vmrprimw 00432				
BFB 240-482539/1		8260C							
STD8260 240-482539/9 IC		8260C		64 uL	64 uL				
STD8260 240-482539/10 IC		8260C		48 uL	48 uL				
STD8260 240-482539/11 IC		8260C		32 uL	32 uL				
ICIS 240-482539/12		8260C		16 uL	16 uL				
STD8260 240-482539/13 IC		8260C		8 uL	8 uL				
STD8260 240-482539/14 IC		8260C		4 uL	4 uL				
STD8260 240-482539/15 IC		8260C		0.8 uL	0.8 uL				
STD8260 240-482539/16 IC		8260C		0.4 uL	0.4 uL				
ICV 240-482539/17		8260C							

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Batch Number: 482539 Batch Start Date: 04/23/21 11:11 Batch Analyst: Bosworth, Heather M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrgas 00382	vmrprimw 00432				
STDA9 240-482539/20 IC		8260C							
STDA9 240-482539/21 IC		8260C							
STDA9 240-482539/22 IC		8260C							
STDA9 240-482539/23 IC		8260C							
STDA9 240-482539/24 IC		8260C							
STDA9 240-482539/25 IC		8260C							
ICV 240-482539/26		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.: 240-152946-1

SDG No.: Frog Mortar Creek

Batch Number: 490967 Batch Start Date: 06/16/21 13:50 Batch Analyst: Bosworth, Heather M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	vm50is_stk_A 00008	vm50ss 00444	VMAROLISTDW 00396	vmbfb 00027
BFB 240-490967/1		8260C		5 mL	5 mL				1 uL
STD8260 240-490967/8 IC		8260C		5 mL	5 mL	2 uL	0.4 uL	0.4 uL	
STD8260 240-490967/9 IC		8260C		5 mL	5 mL	2 uL	0.8 uL	0.8 uL	
STD8260 240-490967/10 IC		8260C		5 mL	5 mL	2 uL	8 uL	8 uL	
ICIS 240-490967/11		8260C		5 mL	5 mL	2 uL	16 uL	16 uL	
STD8260 240-490967/12 IC		8260C		5 mL	5 mL	2 uL	24 uL	24 uL	
STD8260 240-490967/13 IC		8260C		5 mL	5 mL	2 uL	32 uL	32 uL	
STD8260 240-490967/14 IC		8260C		5 mL	5 mL	2 uL	48 uL	48 uL	
ICV 240-490967/15		8260C		5 mL	5 mL	2 uL	16 uL		
STDA9 240-490967/18 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-490967/19 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-490967/20 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-490967/21 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-490967/22 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-490967/23 IC		8260C		5 mL	5 mL	2 uL			
ICV 240-490967/24		8260C		5 mL	5 mL	2 uL	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.: 240-152946-1

SDG No.: Frog Mortar Creek

Batch Number: 490967 Batch Start Date: 06/16/21 13:50 Batch Analyst: Bosworth, Heather M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmfasa9w 00323	vmfasaw 00377	vmfasgw 00412	vmfaspw 00402	vmra9w 00394	VMRGAS 00388
BFB 240-490967/1		8260C							
STD8260 240-490967/8 IC		8260C							0.4 uL
STD8260 240-490967/9 IC		8260C							0.8 uL
STD8260 240-490967/10 IC		8260C							8 uL
ICIS 240-490967/11		8260C							16 uL
STD8260 240-490967/12 IC		8260C							24 uL
STD8260 240-490967/13 IC		8260C							32 uL
STD8260 240-490967/14 IC		8260C							48 uL
ICV 240-490967/15		8260C			16 uL	16 uL	16 uL		
STDA9 240-490967/18 IC		8260C						0.4 uL	
STDA9 240-490967/19 IC		8260C						0.8 uL	
STDA9 240-490967/20 IC		8260C						8 uL	
STDA9 240-490967/21 IC		8260C						16 uL	
STDA9 240-490967/22 IC		8260C						32 uL	
STDA9 240-490967/23 IC		8260C						48 uL	
ICV 240-490967/24		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.: 240-152946-1

SDG No.: Frog Mortar Creek

Batch Number: 490967 Batch Start Date: 06/16/21 13:50 Batch Analyst: Bosworth, Heather M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	VMRPRIMW 00440					
BFB 240-490967/1		8260C							
STD8260 240-490967/8 IC		8260C		0.4 uL					
STD8260 240-490967/9 IC		8260C		0.8 uL					
STD8260 240-490967/10 IC		8260C		8 uL					
ICIS 240-490967/11		8260C		16 uL					
STD8260 240-490967/12 IC		8260C		24 uL					
STD8260 240-490967/13 IC		8260C		32 uL					
STD8260 240-490967/14 IC		8260C		48 uL					
ICV 240-490967/15		8260C							
STDA9 240-490967/18 IC		8260C							
STDA9 240-490967/19 IC		8260C							
STDA9 240-490967/20 IC		8260C							
STDA9 240-490967/21 IC		8260C							
STDA9 240-490967/22 IC		8260C							
STDA9 240-490967/23 IC		8260C							
ICV 240-490967/24		8260C							

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Batch Number: 490967 Batch Start Date: 06/16/21 13:50 Batch Analyst: Bosworth, Heather M

Batch Method: 8260C Batch End Date:

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Batch Number: 494428 Batch Start Date: 07/10/21 13:18 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 00447	vm50ss_stk 00087	vmarolistdw 00399
BFB 240-494428/1		8260C		5 mL	5 mL				
STD8260 240-494428/9 IC		8260C		5 mL	5 mL	2 uL	64 uL		64 uL
STD8260 240-494428/10 IC		8260C		5 mL	5 mL	2 uL	48 uL		48 uL
STD8260 240-494428/11 IC		8260C		5 mL	5 mL	2 uL	32 uL		32 uL
ICIS 240-494428/12		8260C		5 mL	5 mL	2 uL	16 uL		16 uL
STD8260 240-494428/13 IC		8260C		5 mL	5 mL	2 uL	8 uL		8 uL
STD8260 240-494428/14 IC		8260C		5 mL	5 mL	2 uL	2 uL		2 uL
STD8260 240-494428/15 IC		8260C		5 mL	5 mL	2 uL	0.8 uL		0.8 uL
STD8260 240-494428/16 IC		8260C		5 mL	5 mL	2 uL	0.4 uL		0.4 uL
ICV 240-494428/17		8260C		5 mL	5 mL	2 uL		2 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00027	vmfasaw 00381	vmfasgw 00415	vmfaspw 00406	vmrgas 00391	vmrprimw 00443
BFB 240-494428/1		8260C		1 uL					
STD8260 240-494428/9 IC		8260C						64 uL	64 uL
STD8260 240-494428/10 IC		8260C						48 uL	48 uL
STD8260 240-494428/11 IC		8260C						32 uL	32 uL
ICIS 240-494428/12		8260C						16 uL	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.: 240-152946-1

SDG No.: Frog Mortar Creek

Batch Number: 494428 Batch Start Date: 07/10/21 13:18 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00027	vmfasaw 00381	vmfasgw 00415	vmfaspw 00406	vmrgas 00391	vmrprimw 00443
STD8260 240-494428/13 IC		8260C						8 uL	8 uL
STD8260 240-494428/14 IC		8260C						2 uL	2 uL
STD8260 240-494428/15 IC		8260C						0.8 uL	0.8 uL
STD8260 240-494428/16 IC		8260C						0.4 uL	0.4 uL
ICV 240-494428/17		8260C			16 uL	16 uL	16 uL		

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Batch Number: 494648 Batch Start Date: 07/12/21 16:27 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 00326
BFB 240-494648/1		8260C		5 mL	5 mL			1 uL	
STDA9 240-494648/11 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-494648/12 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-494648/13 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-494648/14 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-494648/15 IC		8260C		5 mL	5 mL	2 uL			
STDA9 240-494648/16 IC		8260C		5 mL	5 mL	2 uL			
ICV 240-494648/17		8260C		5 mL	5 mL	2 uL	2 uL		16 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmra9w 00398					
BFB 240-494648/1		8260C							
STDA9 240-494648/11 IC		8260C		64 uL					
STDA9 240-494648/12 IC		8260C		32 uL					
STDA9 240-494648/13 IC		8260C		16 uL					
STDA9 240-494648/14 IC		8260C		8 uL					
STDA9 240-494648/15 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.: 240-152946-1

SDG No.: Frog Mortar Creek

Batch Number: 494648 Batch Start Date: 07/12/21 16:27 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmra9w 00398					
STDA9 240-494648/16 IC		8260C		0.4 uL					
ICV 240-494648/17		8260C							

Batch Notes	
pH Indicator ID	HC034840

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.: 240-152946-1

SDG No.: Frog Mortar Creek

Batch Number: 495770 Batch Start Date: 07/20/21 09:55 Batch Analyst: Bosworth, Heather M

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 00401
BFB 240-495770/1		8260C		5 mL	5 mL				
CCVIS 240-495770/3		8260C		5 mL	5 mL		2 uL	1.633 uL	16 uL
CCV 240-495770/4		8260C		5 mL	5 mL		2 uL		
LCS 240-495770/5		8260C		5 mL	5 mL		2 uL	1.633 uL	
MB 240-495770/8		8260C		5 mL	5 mL		2 uL	1.633 uL	
240-152946-B-1	MSA-SW37A-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	1.633 uL	
240-152946-B-2	MSA-SW37B-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	1.633 uL	
240-152946-B-3	MSA-SW37C-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	1.633 uL	
240-152946-B-4	MSA-SW37D-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	1.633 uL	
240-152946-B-5	MSA-SW38A-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	1.633 uL	
240-152672-C-3 MS		8260C	T	5 mL	5 mL	<2 SU	2 uL	1.633 uL	
240-152672-C-3 MSD		8260C	T	5 mL	5 mL	<2 SU	2 uL	1.633 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00027	vmfasaw 00382	vmfasgw 00416	vmfaspw 00407	vmra9w 00399	vmrgas 00393
BFB 240-495770/1		8260C		1 uL					
CCVIS 240-495770/3		8260C							16 uL
CCV 240-495770/4		8260C						16 uL	
LCS 240-495770/5		8260C			16 uL	16 uL	16 uL		
MB 240-495770/8		8260C							
240-152946-B-1	MSA-SW37A-071521	8260C	T						
240-152946-B-2	MSA-SW37B-071521	8260C	T						
240-152946-B-3	MSA-SW37C-071521	8260C	T						
240-152946-B-4	MSA-SW37D-071521	8260C	T						
240-152946-B-5	MSA-SW38A-071521	8260C	T						
240-152672-C-3 MS		8260C	T		16 uL	16 uL	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.: 240-152946-1

SDG No.: Frog Mortar Creek

Batch Number: 495770 Batch Start Date: 07/20/21 09:55 Batch Analyst: Bosworth, Heather M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00027	vmfasaw 00382	vmfasgw 00416	vmfaspw 00407	vmra9w 00399	vmrgas 00393
240-152672-C-3 MSD		8260C	T		16 uL	16 uL	16 uL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00444
BFB 240-495770/1		8260C		
CCVIS 240-495770/3		8260C		16 uL
CCV 240-495770/4		8260C		
LCS 240-495770/5		8260C		
MB 240-495770/8		8260C		
240-152946-B-1	MSA-SW37A-071521	8260C	T	
240-152946-B-2	MSA-SW37B-071521	8260C	T	
240-152946-B-3	MSA-SW37C-071521	8260C	T	
240-152946-B-4	MSA-SW37D-071521	8260C	T	
240-152946-B-5	MSA-SW38A-071521	8260C	T	
240-152672-C-3 MS		8260C	T	
240-152672-C-3 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.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Batch Number: 495975 Batch Start Date: 07/21/21 10:40 Batch Analyst: Bosworth, Heather M

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 00401
BFB 240-495975/1		8260C		5 mL	5 mL				
CCVIS 240-495975/3		8260C		5 mL	5 mL		2 uL	1.633 uL	16 uL
CCV 240-495975/4		8260C		5 mL	5 mL		2 uL		
LCS 240-495975/5		8260C		5 mL	5 mL		2 uL	1.633 uL	
MB 240-495975/8		8260C		5 mL	5 mL		2 uL	1.633 uL	
240-152987-E-2 MS		8260C	T	5 mL	5 mL	<2 SU	2 uL	1.633 uL	
240-152987-E-2 MSD		8260C	T	5 mL	5 mL	<2 SU	2 uL	1.633 uL	
240-152946-B-6	MSA-SW38B-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	1.633 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00027	vmfasaw 00382	vmfasgw 00417	vmfaspw 00407	vmra9w 00399	vmrgas 00393
BFB 240-495975/1		8260C		1 uL					
CCVIS 240-495975/3		8260C							16 uL
CCV 240-495975/4		8260C						16 uL	
LCS 240-495975/5		8260C			16 uL	16 uL	16 uL		
MB 240-495975/8		8260C							
240-152987-E-2 MS		8260C	T		16 uL	16 uL	16 uL		
240-152987-E-2 MSD		8260C	T		16 uL	16 uL	16 uL		
240-152946-B-6	MSA-SW38B-071521	8260C	T						

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00444					
BFB 240-495975/1		8260C							
CCVIS 240-495975/3		8260C		16 uL					
CCV 240-495975/4		8260C							

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Batch Number: 495975 Batch Start Date: 07/21/21 10:40 Batch Analyst: Bosworth, Heather M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00444					
LCS 240-495975/5		8260C							
MB 240-495975/8		8260C							
240-152987-E-2 MS		8260C	T						
240-152987-E-2 MSD		8260C	T						
240-152946-B-6	MSA-SW38B-071521	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.: 240-152946-1

SDG No.: Frog Mortar Creek

Batch Number: 496159 Batch Start Date: 07/22/21 10:23 Batch Analyst: Bosworth, Heather M

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 00401
BFB 240-496159/2		8260C		5 mL	5 mL				
CCVIS 240-496159/3		8260C		5 mL	5 mL		2 uL	1.633 uL	16 uL
CCV 240-496159/4		8260C		5 mL	5 mL		2 uL		
LCS 240-496159/5		8260C		5 mL	5 mL		2 uL	1.633 uL	
MB 240-496159/8		8260C		5 mL	5 mL		2 uL	1.633 uL	
LCSD 240-496159/9		8260C		5 mL	5 mL		2 uL	1.633 uL	
240-152946-B-7	MSA-SW38C-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	1.633 uL	
240-152946-B-8	MSA-SW38D-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	1.633 uL	
240-152946-B-9	MSA-SW40A-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	1.633 uL	
240-152946-B-10	MSA-SW40B-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	1.633 uL	
240-152946-B-11	MSA-SW40C-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	1.633 uL	
240-152946-B-12	MSA-SW40D-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	1.633 uL	
240-152946-B-13	MSA-SW41A-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	1.633 uL	
240-152946-B-14	MSA-SW41B-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	1.633 uL	
240-152946-B-15	MSA-SW41C-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	1.633 uL	
240-152946-B-16	MSA-SW41D-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	1.633 uL	
240-152946-B-17	MSA-SW42A-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	1.633 uL	
240-152946-B-19	MSA-SW42C-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	1.633 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00027	vmfasaw 00382	vmfasgw 00417	vmfaspw 00407	vmra9w 00399	vmrgas 00393
BFB 240-496159/2		8260C		1 uL					
CCVIS 240-496159/3		8260C							16 uL
CCV 240-496159/4		8260C						16 uL	
LCS 240-496159/5		8260C			16 uL	16 uL	16 uL		
MB 240-496159/8		8260C							

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Batch Number: 496159 Batch Start Date: 07/22/21 10:23 Batch Analyst: Bosworth, Heather M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00027	vmfasaw 00382	vmfasgw 00417	vmfaspw 00407	vmra9w 00399	vmrgas 00393
LCSD 240-496159/9		8260C			16 uL	16 uL	16 uL		
240-152946-B-7	MSA-SW38C-071521	8260C	T						
240-152946-B-8	MSA-SW38D-071521	8260C	T						
240-152946-B-9	MSA-SW40A-071521	8260C	T						
240-152946-B-10	MSA-SW40B-071521	8260C	T						
240-152946-B-11	MSA-SW40C-071521	8260C	T						
240-152946-B-12	MSA-SW40D-071521	8260C	T						
240-152946-B-13	MSA-SW41A-071521	8260C	T						
240-152946-B-14	MSA-SW41B-071521	8260C	T						
240-152946-B-15	MSA-SW41C-071521	8260C	T						
240-152946-B-16	MSA-SW41D-071521	8260C	T						
240-152946-B-17	MSA-SW42A-071521	8260C	T						
240-152946-B-19	MSA-SW42C-071521	8260C	T						

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00444					
BFB 240-496159/2		8260C							
CCVIS 240-496159/3		8260C		16 uL					
CCV 240-496159/4		8260C							
LCS 240-496159/5		8260C							
MB 240-496159/8		8260C							
LCSD 240-496159/9		8260C							
240-152946-B-7	MSA-SW38C-071521	8260C	T						
240-152946-B-8	MSA-SW38D-071521	8260C	T						
240-152946-B-9	MSA-SW40A-071521	8260C	T						
240-152946-B-10	MSA-SW40B-071521	8260C	T						
240-152946-B-11	MSA-SW40C-071521	8260C	T						
240-152946-B-12	MSA-SW40D-071521	8260C	T						
240-152946-B-13	MSA-SW41A-071521	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.: 240-152946-1

SDG No.: Frog Mortar Creek

Batch Number: 496159 Batch Start Date: 07/22/21 10:23 Batch Analyst: Bosworth, Heather M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00444					
240-152946-B-14	MSA-SW41B-071521	8260C	T						
240-152946-B-15	MSA-SW41C-071521	8260C	T						
240-152946-B-16	MSA-SW41D-071521	8260C	T						
240-152946-B-17	MSA-SW42A-071521	8260C	T						
240-152946-B-19	MSA-SW42C-071521	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.: 240-152946-1

SDG No.: Frog Mortar Creek

Batch Number: 496393 Batch Start Date: 07/23/21 14:59 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 00008	vm50ss_stk 00087	vmarolistdw 00401
BFB 240-496393/1		8260C		5 mL	5 mL				
CCV 240-496393/3		8260C		5 mL	5 mL		2 uL		
CCVIS 240-496393/4		8260C		5 mL	5 mL		2 uL	2 uL	16 uL
LCS 240-496393/5		8260C		5 mL	5 mL		2 uL	2 uL	
MB 240-496393/8		8260C		5 mL	5 mL		2 uL	2 uL	
240-152974-C-2 MS		8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-152974-C-2 MSD		8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-152946-B-23	MSA-SW43C-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-152946-B-24	MSA-SW43D-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-152946-B-25	MSA-SW44A-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-152946-B-26	MSA-SW44B-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-152946-C-27	MSA-SW44C-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-152946-C-28	MSA-SW44D-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-152946-B-29	TB-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-152946-C-30	MSA-SW46A-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-152946-C-31	MSA-SW47A-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-152946-B-32	MSA-SW48A-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-152946-C-33	MSA-SW49A-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00027	vmfasaw 00382	vmfasgw 00417	vmfaspw 00407	vmra9w 00399	vmrgas 00393
BFB 240-496393/1		8260C		1 uL					
CCV 240-496393/3		8260C						16 uL	
CCVIS 240-496393/4		8260C							16 uL
LCS 240-496393/5		8260C			16 uL	16 uL	16 uL		
MB 240-496393/8		8260C							

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-152946-1

SDG No.: Frog Mortar Creek

Batch Number: 496393 Batch Start Date: 07/23/21 14:59 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00027	vmfasaw 00382	vmfasgw 00417	vmfaspw 00407	vmra9w 00399	vmrgas 00393
240-152974-C-2 MS		8260C	T		16 uL	16 uL	16 uL		
240-152974-C-2 MSD		8260C	T		16 uL	16 uL	16 uL		
240-152946-B-23	MSA-SW43C-071521	8260C	T						
240-152946-B-24	MSA-SW43D-071521	8260C	T						
240-152946-B-25	MSA-SW44A-071521	8260C	T						
240-152946-B-26	MSA-SW44B-071521	8260C	T						
240-152946-C-27	MSA-SW44C-071521	8260C	T						
240-152946-C-28	MSA-SW44D-071521	8260C	T						
240-152946-B-29	TB-071521	8260C	T						
240-152946-C-30	MSA-SW46A-071521	8260C	T						
240-152946-C-31	MSA-SW47A-071521	8260C	T						
240-152946-B-32	MSA-SW48A-071521	8260C	T						
240-152946-C-33	MSA-SW49A-071521	8260C	T						

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00444					
BFB 240-496393/1		8260C							
CCV 240-496393/3		8260C							
CCVIS 240-496393/4		8260C		16 uL					
LCS 240-496393/5		8260C							
MB 240-496393/8		8260C							
240-152974-C-2 MS		8260C	T						
240-152974-C-2 MSD		8260C	T						
240-152946-B-23	MSA-SW43C-071521	8260C	T						
240-152946-B-24	MSA-SW43D-071521	8260C	T						
240-152946-B-25	MSA-SW44A-071521	8260C	T						
240-152946-B-26	MSA-SW44B-071521	8260C	T						
240-152946-C-27	MSA-SW44C-071521	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.: 240-152946-1

SDG No.: Frog Mortar Creek

Batch Number: 496393 Batch Start Date: 07/23/21 14:59 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00444					
240-152946-C-28	MSA-SW44D-071521	8260C	T						
240-152946-B-29	TB-071521	8260C	T						
240-152946-C-30	MSA-SW46A-071521	8260C	T						
240-152946-C-31	MSA-SW47A-071521	8260C	T						
240-152946-B-32	MSA-SW48A-071521	8260C	T						
240-152946-C-33	MSA-SW49A-071521	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.: 240-152946-1

SDG No.: Frog Mortar Creek

Batch Number: 496537 Batch Start Date: 07/26/21 11:01 Batch Analyst: Bosworth, Heather M

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 00402
BFB 240-496537/1		8260C		5 mL	5 mL				
CCVIS 240-496537/3		8260C		5 mL	5 mL		2 uL	2.268 uL	16 uL
CCV 240-496537/4		8260C		5 mL	5 mL		2 uL		
LCS 240-496537/5		8260C		5 mL	5 mL		2 uL	2.268 uL	
MB 240-496537/8		8260C		5 mL	5 mL		2 uL	2.268 uL	
240-152946-C-18	MSA-SW42B-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-152946-C-20	MSA-SW42D-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-152946-C-21	MSA-SW43A-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-152946-C-22	MSA-SW43B-071521	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-153306-B-2 MS		8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-153306-B-2 MSD		8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00027	vmfasaw 00383	vmfasgw 00417	vmfaspw 00408	vmra9w 00400	vmrgas 00393
BFB 240-496537/1		8260C		1 uL					
CCVIS 240-496537/3		8260C							16 uL
CCV 240-496537/4		8260C						16 uL	
LCS 240-496537/5		8260C			16 uL	16 uL	16 uL		
MB 240-496537/8		8260C							
240-152946-C-18	MSA-SW42B-071521	8260C	T						
240-152946-C-20	MSA-SW42D-071521	8260C	T						
240-152946-C-21	MSA-SW43A-071521	8260C	T						
240-152946-C-22	MSA-SW43B-071521	8260C	T						
240-153306-B-2 MS		8260C	T		16 uL	16 uL	16 uL		
240-153306-B-2 MSD		8260C	T		16 uL	16 uL	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.: 240-152946-1

SDG No.: Frog Mortar Creek

Batch Number: 496537 Batch Start Date: 07/26/21 11:01 Batch Analyst: Bosworth, Heather M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00445					
BFB 240-496537/1		8260C							
CCVIS 240-496537/3		8260C		16 uL					
CCV 240-496537/4		8260C							
LCS 240-496537/5		8260C							
MB 240-496537/8		8260C							
240-152946-C-18	MSA-SW42B-071521	8260C	T						
240-152946-C-20	MSA-SW42D-071521	8260C	T						
240-152946-C-21	MSA-SW43A-071521	8260C	T						
240-152946-C-22	MSA-SW43B-071521	8260C	T						
240-153306-B-2 MS		8260C	T						
240-153306-B-2 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

North Canton
4101 Shuffel Street, N. W.

North Canton, OH 44720
phone 330.497.9396 fax 330.497.0772

Baltimore #201

5A/5i

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Josh Mullis	Site Contact: Josh Mullis	Date: 7/15/2021	COC No:
Tetra Tech	Tel/Fax: 410-279-2700	Lab Contact: Roxanne C.	Carrier: Fedex	1 of 3 COCs
20251 Century Blvd, Suite 200	Analysis Turnaround Time			Job No.
Germantown, MD 20874	Calendar (C) or Work Days (W) _____			
(301) 528-3021 Phone	TAT if different from Below: STANDARD			
(301) 528-3000 FAX	☐ 2 weeks			SDG No.
Project Name: MSA Surface Water Sampling	☐ 1 week			
Site: MSA Frog Mortar Creek	☐ 2 days			
Project # 112IC09343	☐ 1 day			Sampler: J Mullis

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	VOCs + Freon 113/22 + TIC (8260C)	Sample Specific Notes:
MSA-SW37A-071521	7/15/2021	0921	SW	Water	3		x	
MSA-SW37B-071521	7/15/2021	0923	SW	Water	3		x	
MSA-SW37C-071521	7/15/2021	0926	SW	Water	3		x	
MSA-SW37D-071521	7/15/2021	0928	SW	Water	3		x	
MSA-SW38A-071521	7/15/2021	0834	SW	Water	3		x	
MSA-SW38B-071521	7/15/2021	0836	SW	Water	3		x	
MSA-SW38C-071521	7/15/2021	0838	SW	Water	3		x	
MSA-SW38D-071521	7/15/2021	0841	SW	Water	3		x	
MSA-SW40A-071521	7/15/2021	0851	SW	Water	3		x	
MSA-SW40B-071521	7/15/2021	0854	SW	Water	3		x	
MSA-SW40C-071521	7/15/2021	0857	SW	Water	3		x	
MSA-SW40D-071521	7/15/2021	0900	SW	Water	3		x	
							2	

240-152946 Chain of Custody

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:

	Company	Date/Time		Company	Date/Time
Relinquished by:	Tetra Tech	7/15/21	Received by:		7/15/21 1520
Relinquished by:		7/15/21	Received by:	ETA	7-16-21 940
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 2, dated 03/06/2012

07/28/2021

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: 8/12/2020	COC No:
Tetra Tech	Tel/Fax: 410-279-2700	Lab Contact: Roxanne C.	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			
(301) 528-3000 FAX	☐ 2 weeks			SDG No.
Project Name: MSA Surface Water Sampling	☐ 1 week			
Site: MSA Frog Mortar Creek	☐ 2 days			Sampler: J Mullis
Project # 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-071521	7/15/2021	0818	SW	Water	3		x	
MSA-SW41B-071521	7/15/2021	0821	SW	Water	3		x	
MSA-SW41C-071521	7/15/2021	0825	SW	Water	3		x	
MSA-SW41D-071521	7/15/2021	0827	SW	Water	3		x	
MSA-SW42A-071521	7/15/2021	0908	SW	Water	3		x	
MSA-SW42B-071521	7/15/2021	0910	SW	Water	3		x	
MSA-SW42C-071521	7/15/2021	0913	SW	Water	3		x	
MSA-SW42D-071521	7/15/2021	0916	SW	Water	3		x	
MSA-SW43A-071521	7/15/2021	0800	SW	Water	3		x	
MSA-SW43B-071521	7/15/2021	0804	SW	Water	3		x	
MSA-SW43C-071521	7/15/2021	0807	SW	Water	3		x	
MSA-SW43D-071521	7/15/2021	0810	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	7/15/21			7/15/21 1500
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
		7/15/21 20		STA	7-16-21 940
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 2, dated 03/06/2012

07/28/2021

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Josh Mullis	Site Contact: Josh Mullis	Date: 8/12/2020	COC No:
Tetra Tech	Tel/Fax: 410-279-2700	Lab Contact: Roxanne C.	Carrier: Fedex	3 of 3 COCs
20251 Century Blvd, Suite 200	Analysis Turnaround Time			Job No.
Germantown, MD 20874	Calendar (C) or Work Days (W)			
(301) 528-3021 Phone	TAT if different from Below: STANDARD			
(301) 528-3000 FAX	☐ 2 weeks			SDG No.
Project Name: MSA Surface Water Sampling	☐ 1 week			
Site: MSA Frog Mortar Creek	☐ 2 days			
Project # 112IC09343	☐ 1 day			Sampler: J Mullis

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	VOCs + Freon 113/22 + TIC (8260C)	Sample Specific Notes:
MSA-SW44A-071521	7/15/2021	0740	SW	Water	3		x	
MSA-SW44B-071521	7/15/2021	0750	SW	Water	3		x	
MSA-SW44C-071521	7/15/2021	0752	SW	Water	3		x	
MSA-SW44D-071521	7/15/2021	0755	SW	Water	3		x	
TB-071521	7/15/2021	0000	SW	Water	2		x	
MSA-SW46A-071521	7/15/2021	0905	SW	Water	3		x	
MSA-SW47A-071521	7/15/2021	0846	SW	Water	3		x	
MSA-SW48A-071521	7/15/2021	0830	SW	Water	3		x	
MSA-SW49A-071521	7/15/2021	0815	SW	Water	3		x	

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____ | 2

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	7/15/21		Pace Balt	7/15/21 1500
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Pace Balt	7/15/21		ETA	7-16-21 940
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

07/28/2021

Eurofins TestAmerica Canton Sample Receipt Form/Narrative **Login # : 152946**
Canton Facility

Client Tetra Tech Site Name _____ Cooler unpacked by: Trent

Cooler Received on 7-16-21 Opened on 7-16-21

FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # TA Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☐ See Multiple Cooler Form
   IR GUN# IR-11 (CF +0.1 °C) Observed Cooler Temp. 5.7 °C Corrected Cooler Temp. 5.8 °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 1	Yes	No
-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
-Were tamper/custody seals intact and uncompromised?	Yes	No NA
3. Shippers' packing slip attached to the cooler(s)?	Yes	No
4. Did custody papers accompany the sample(s)?	Yes	No
5. Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7. Did all bottles arrive in good condition (Unbroken)?	Yes	No
8. Could all bottle labels (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# **HC022887**
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 # 030420/6	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) _____ 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: _____