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March 7, 2022

VIA EMAIL AND PRIVATE CARRIER

Mr. Brian Dietz
Program Administrator Land Restoration Program
Land and Material Administration Maryland Department of the Environment
1800 Washington Road, Suite 625
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Transmittal of Technical Memorandum: September 2021 Surface Water Sampling Results for Frog Mortar Creek
Martin State Airport, 701 Wilson Point Road
Middle River, Maryland

Dear Mr. Dietz,

For your information, please find enclosed two hard copies of the above-referenced document. This prepared technical memorandum presents sampling results for surface water samples collected in Frog Mortar Creek adjacent to the Dump Road Area at Martin State Airport in Middle River, Maryland.

If you have any questions or require any additional information please contact me by phone at 301-964-2482, or via e-mail at anthony.c.apanavage@lmco.com.

Sincerely,

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

Prepared for:
Lockheed Martin Corporation

Prepared by:
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March 2022

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Revision: 0

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ACRONYMS AND ABBREVIATIONS

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

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

SECTION 1
INTRODUCTION

On behalf of Lockheed Martin Corporation (Lockheed Martin), Tetra Tech, Inc., (Tetra Tech) has prepared this technical memorandum presenting September 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 September 14, 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 September 2021 data supports this ongoing effort and will also be used to assess the effectiveness of the groundwater extraction, containment, and treatment system. The chlorinated volatile organic compounds (cVOCs) trichloroethene (TCE), *cis*-1,2-dichloroethene (*cis*-1,2-DCE), and vinyl chloride (VC), and several metals, have previously been detected in Frog Mortar Creek surface water samples at concentrations exceeding ecological and/or human health screening-criteria; these analytes have also been detected in groundwater at the DRA.

Detected chemical concentrations in surface water obtained from Frog Mortar Creek were evaluated by comparing them to United States Environmental Protection Agency (USEPA) or Maryland screening levels and site-specific screening levels. These screening criteria include USEPA national recommended water quality criteria (NRWQC), Maryland ambient water quality criteria (AWQC), USEPA Biological Technical Advisory Group (BTAG) surface water screening-benchmarks, and site-specific screening levels for swimming developed by Lockheed Martin Corporation (Lockheed Martin). The September 2021 sampling is the fifth of six surface-water sampling rounds planned for 2021, and assessed water quality during the late summer, 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 September 14, 2021. Sampling locations are shown in Figure 3-1. Four samples were collected along each of seven transects spaced approximately 350 feet apart along the western shoreline of

the creek; these transects are designated MSA-SW37, MSA-SW38, MSA-SW40, MSA-SW41, MSA-SW42, MSA-SW43, and MSA-SW44. Historically, transects SW39 (the northernmost transect) and SW45 (the southernmost transect) were also included in the sampling program, but these two transects were removed from the 2020 and 2021 surface water sampling program, as the remaining seven transects fully cover the extent of the targeted area east of the DRA. In addition, a transect on the eastern shoreline of Frog Mortar Creek, the Edward Lane transect, has also been historically sampled. In agreement with the Maryland Department of Environment (MDE) Land and Material Administration, the Edwards Lane transect (EL-01A through D) is sampled once a year in June, and accordingly, was sampled during the June 2021 sampling round. Sampling results from this transect have historically been nondetect and results in June 2021 were also nondetect.

Four additional near-shore samples were collected between transects MSA-SW42 and MSA-SW40 (MSA-SW46A), MSA-SW40 and MSA-SW38 (MSA-SW47A), MSA-SW38 and MSA-SW41 (MSA-SW48A), and MSA-SW41 and MSA-SW43 (MSA-SW49A). These four locations were first sampled in July 2015 to assess constituent concentrations between transects exhibiting the highest VOC concentrations, and were also included in the September 2021 sampling round.

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

Table 3-1 outlines the sampling and chemical analysis program. Samples from the seven western shoreline transects (MSA-SW37, SW38, SW40, SW41, SW42, SW43, and SW44), and from SW46A through SW49A, were analyzed for volatile organic compounds (VOCs) by USEPA SW846 Method 8260C (including Freon 113 [1,1,2-trichloro-1,2,2-trifluoroethane], Freon 22 [chlorodifluoromethane], and tentatively identified compounds).

Historically, western shoreline samples were also analyzed for hexavalent chromium and dissolved metals. In agreement with MDE, and because hexavalent chromium was not detected during

sampling rounds conducted in 2018 or 2019, hexavalent chromium and dissolved metals were removed from the 2020 and 2021 surface water sampling program. Water quality parameters (including temperature, pH, specific conductance, salinity, turbidity, dissolved oxygen, and oxidation-reduction potential) were measured and recorded at the time of sampling, as was the water depth at all surface-water sampling locations. Sampling information was documented on sample log sheets (see Appendix A).

Water depth measurements were also obtained from the staff gauge at 3301 Edwards Lane before sampling (0.67 meters [2.2 feet] at 0811 hours) and after sampling (0.67 meters [2.2 feet] at 1006 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. September 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 September 14, 2021 from MSA-SW37A is labeled "MSA-SW37A-091420." The trip blank is labeled with a "TB" prefix followed by the sample's six-digit submittal date (e.g., TB-091421).

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 September 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 September 2020, August 2021, and September 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]). A table with all analytical data for September 2021 Frog Mortar Creek surface water samples, including nondetects, is in Appendix C. No VOCs were detected during the September 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 September 2021 sampling round. In addition, no VOCs were detected during the previous two (July and August 2021) sampling rounds. Two VOCs (toluene at four locations, and mixed *m*+*p* xylenes at three locations) were detected during the June 2021 sampling round, but at only trace concentrations (less than 0.2 micrograms per liter [µg/L]) and below available chemical-specific screening criteria. A summary of chlorinated VOC (cVOC) analytical results for the September 2021 sampling round, as compared to the previous sampling round in August 2021, and to the sampling round from one year ago (September 2020) can be found in Table 4-1.

4.2.1 Trichloroethene Results

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

4.2.2 *cis*-1,2-Dichloroethene Results

cis-1,2-DCE was also nondetect at all sampled locations in September 2021, and was nondetect during the last three sampling rounds in June, July, and August 2021, although it was detected (at concentrations well below the lowest swimming screening level of 300 µg/L) at 16 locations in March 2021. As shown in Table 4-1, *cis*-1,2-DCE was also not detected in any sample collected last year in September 2020.

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 has also been nondetect at all sampled locations since June 2021, and was nondetect last year in September 2020 (Table 4-1). VC was last detected at 19 of 32 locations sampled during the March 2021 round, but only exceeded its lowest screening criterion (0.7 µg/L) at eight locations.

When detected in previous rounds, VC distributions in the higher concentration transects tended to decrease with increasing distance from the shore. This trend was observed in March 2021 as well, with VC 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 September 2021 Frog Mortar Creek surface-water investigation results are summarized below:

- Thirty-two surface water samples were collected on September 14, 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 September 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 any sample collected during the September 2021 sampling round.

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

Maryland Aviation Administration (MAA), 2018. Martin State Airport Website: http://www.martinstateairport.com/index.php.

National Oceanic and Atmospheric Administration (NOAA), 2015. *Exceedance Probability Level and Tide Datums, 8574680, Baltimore, Maryland.* Mean-high high-water (MHHW) and mean-low low-water (MLLW) measurements near Baltimore, Maryland, 1983–2001:Exceedance Probability Levels and Tidal Datums - Baltimore, MD - NOAA Tides & Currents.

National Oceanic and Atmospheric Administration (NOAA), 2016. National Centers for Environmental Information, Washington, D.C., *State of the Climate Reports:* https://www.ncdc.noaa.gov/sotc/drought/201608 or https://www.ncdc.noaa.gov/sotc/drought/201609.

Tetra Tech, Inc. (Tetra Tech), 2009. *Frog Mortar Creek Surface Water and Sediment Investigation Report Phases I, II, and III, Lockheed Martin, Martin State Airport, Middle River, Maryland.* Report prepared by Tetra Tech, Inc., Germantown, Maryland for Lockheed Martin Corporation, Bethesda, Maryland. May.

Tetra Tech, Inc. (Tetra Tech), 2012. *2011 Surface Water Sampling Report, Frog Mortar Creek, Martin State Airport, 701 Wilson Point Road, Middle River, Maryland.* Report prepared by Tetra Tech, Inc., Germantown, Maryland for Lockheed Martin Corporation, Bethesda, Maryland. March.

Tetra Tech, Inc. (Tetra Tech), 2018. *2017 Surface Water Sampling Report for Frog Mortar Creek, Martin State Airport, 701 Wilson Point Road, Middle River, Maryland*. Report prepared by Tetra Tech, Inc., Germantown, Maryland for Lockheed Martin Corporation, Bethesda, Maryland. March.

Tetra Tech, Inc. (Tetra Tech), 2020. *2021 Surface Water Sampling Work Plan, Martin State Airport, 701 Wilson Point Road, Middle River, Maryland*. Report prepared by Tetra Tech, Inc., Germantown, Maryland for Lockheed Martin Corporation, Bethesda, Maryland. December.

Tetra Tech, Inc. (Tetra Tech), 2021. *2020 Surface Water Sampling Report for Frog Mortar Creek, Martin State Airport, 701 Wilson Point Road, Middle River, Maryland*. Report prepared by Tetra Tech, Inc., Germantown, Maryland for Lockheed Martin Corporation, Bethesda, Maryland. May.

United States Environmental Protection Agency (USEPA), 1989. *Risk Assessment Guidance for Superfund. Volume 1 Human Health Evaluation Manual (Part A).* EPA/540/1-89/002. December.

United States Environmental Protection Agency (USEPA), 2006. *Region III Biological Technical Advisory Group Freshwater Screening Benchmarks*. August.

United States Environmental Protection Agency (USEPA), 2017. *National Functional Guidelines for Organic Superfund Methods Data Review,* EPA-540-R-2017-002. 250 pp.

United States Environmental Protection Agency (USEPA), 2019. *National Recommended Water Quality Criteria: 2019*. U.S. Environmental Protection Agency, Office of Water, Office of Science and Technology. October.

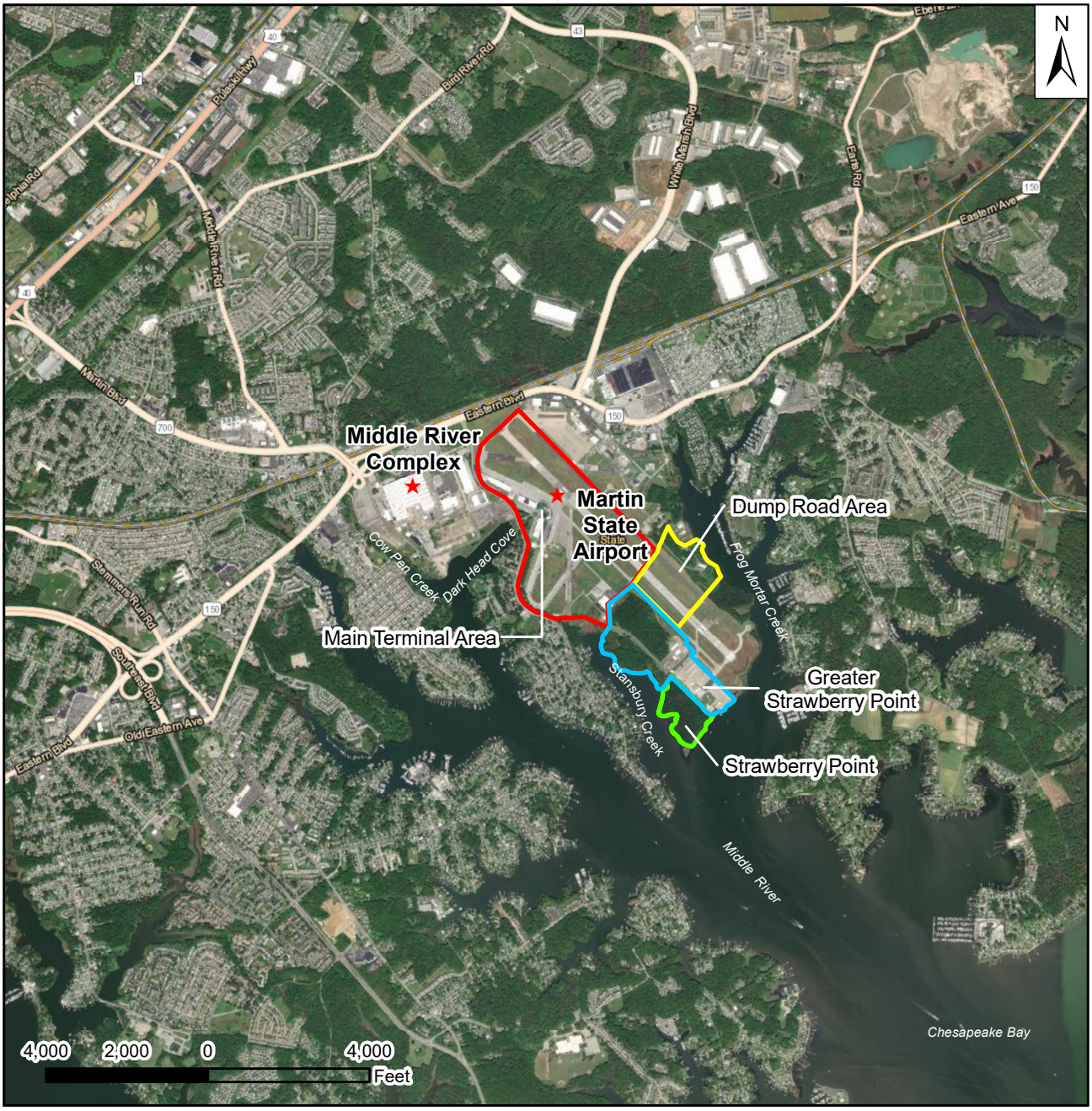
FIGURES

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 September 2021 Surface Water Sampling Locations, Frog Mortar Creek



Aerial photograph provided by ESRI's ArcGIS Online World Imagery map service (© 2020 ESRI and its data suppliers).

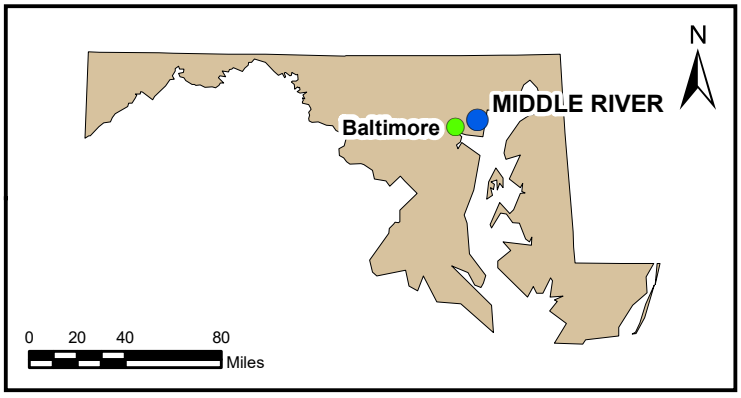


FIGURE 1-1

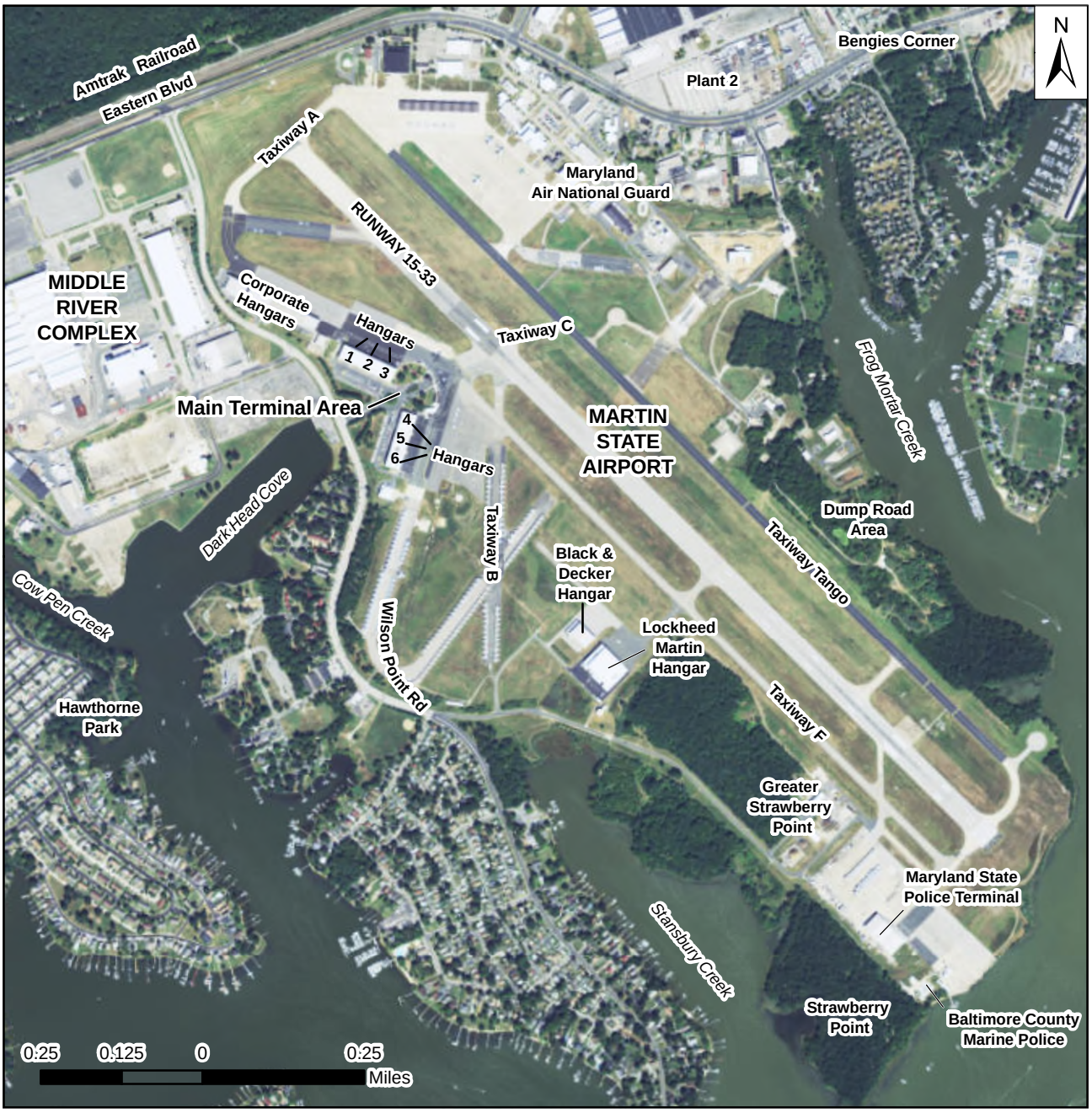
MARTIN STATE AIRPORT
SITE LOCATION MAP

Lockheed Martin, Martin State Airport
Middle River, Maryland

DATE MODIFIED:	CREATED BY:
12/15/21	JEE

TETRA TECH

Map Document: (P:\GIS\Lockheed_MSA\MapDocs\MXD\msa_overview_map_feb2019.mxd)
12/15/21 -- JEE



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

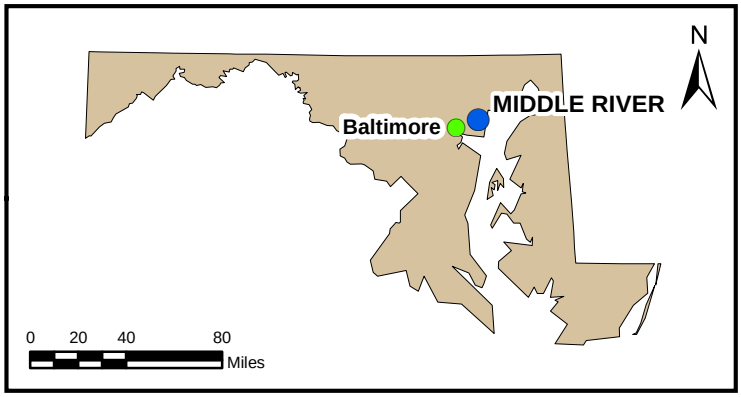


FIGURE 2-1

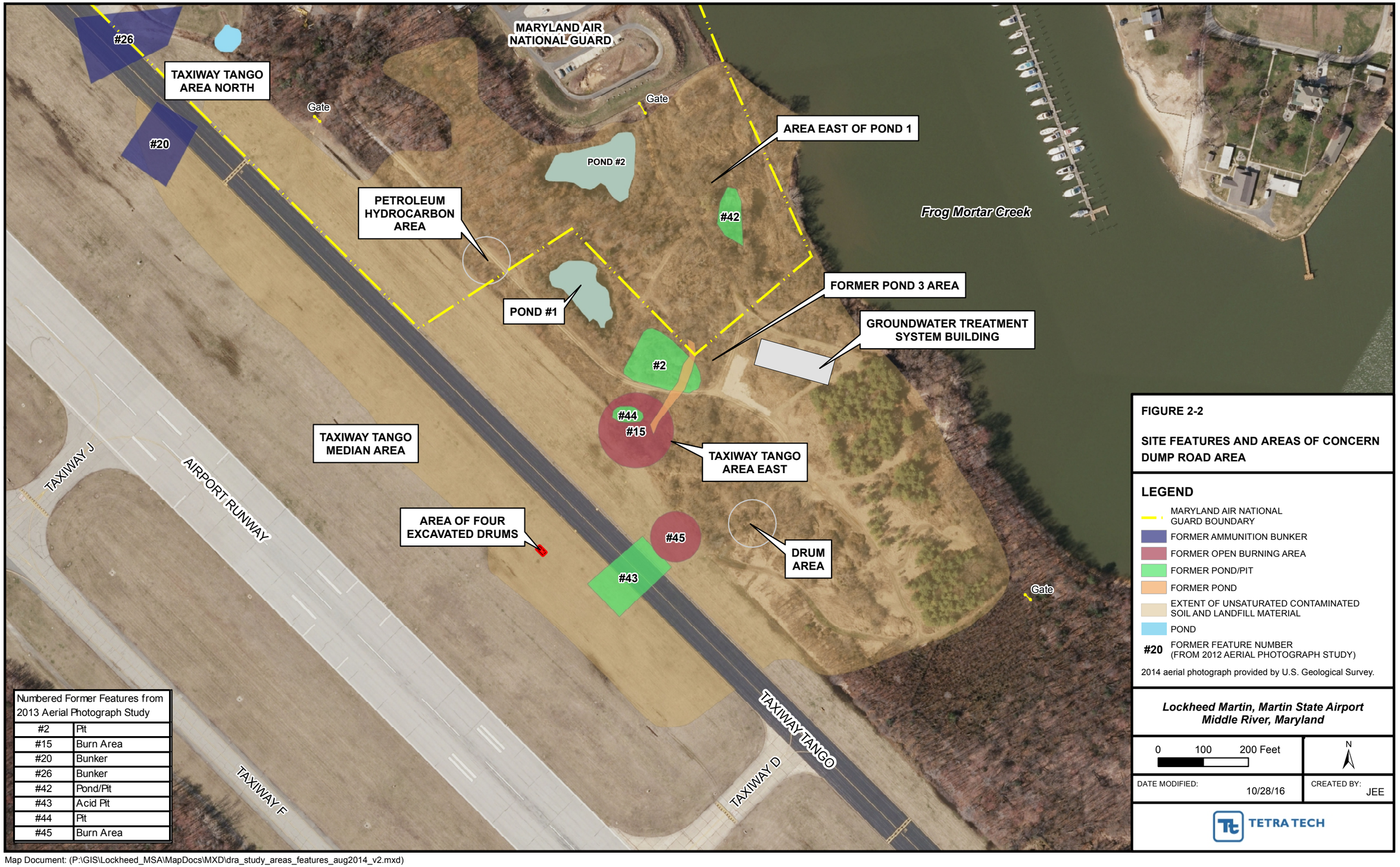
MARTIN STATE AIRPORT AND SURROUNDING FEATURES

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

SEPTEMBER 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 September 14, 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— September 2021

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

Table 3-1
List of Samples and Chemical Analyses for Surface Water—September 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 (September 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 September 2020, August 2021, and September 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)		
	9/22/2020	8/17/2021	9/14/2021	9/22/2020	8/17/2021	9/14/2021	9/22/2020	8/17/2021	9/14/2021
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**	**0/32**	**0/32**	**0/32**	**0/32**	**0/32**	**0/32**	**0/32**	**0/32**
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 for all samples were calculated using 1/2 sample quantitation limit (for nondetects) and 1/2 the detection limit (for B-qualified data), per USEPA guidance (1989); therefore, values for "Average-All Samples" may appear elevated as the calculation accounts for analytes that may be present at concentrations below the detection limit.

Bold font indicates detected concentration exceeded its lowest screening criterion.
µg/L - micrograms per liter
-- - not detected; the analyte is considered not detected at the reported value

APPENDICES

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

Appendix B—Data-Validation and Full Laboratory Reports

Appendix C—Chemical-Results Data Table

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

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

Sample ID		Date	Time	pH	Specific conductance (S.C.)	Temperature (Temp.)	Turbidity (from Horiba)	Dissolved oxygen (DO)	Salinity	Oxidation-reduction potential (ORP)	Water Depth
Location	Date ID	mo/day/year	24-hour units	Standard unit (S.U.)	MilliSiemens per centimeter (mS/cm)	Degrees Celsius (^{o}C)	Nephelometric turbidity unit (NTU)	Milligrams per liter (mg/L)	Parts per thousand (ppt)	MilliVolts (mV)	Meters
MSA-SW37A	-091421	9/14/2021	950	8.72	4.87	27.20	2.80	6.29	2.60	135	1.40
MSA-SW37B	-091421	9/14/2021	953	8.68	4.87	27.05	5.00	7.05	2.60	136	3.20
MSA-SW37C	-091421	9/14/2021	955	8.70	4.79	27.09	3.00	6.04	2.60	136	5.10
MSA-SW37D	-091421	9/14/2021	958	8.71	4.75	27.09	2.60	6.09	2.50	135	>5.5
MSA-SW38A	-091421	9/14/2021	907	8.54	4.90	26.76	9.70	5.88	2.60	136	1.50
MSA-SW38B	-091421	9/14/2021	911	8.54	4.92	26.80	7.30	6.06	2.60	136	3.70
MSA-SW38C	-091421	9/14/2021	913	8.54	4.92	26.81	7.60	7.02	2.60	137	4.20
MSA-SW38D	-091421	9/14/2021	915	8.55	4.91	26.85	5.00	6.77	2.60	136	4.50
MSA-SW40A	-091421	9/14/2021	923	8.60	4.91	26.90	26.90	6.20	2.60	136	1.20
MSA-SW40B	-091421	9/14/2021	927	8.63	4.90	26.90	4.80	6.47	2.60	135	1.50
MSA-SW40C	-091421	9/14/2021	930	8.62	4.88	26.89	4.10	6.82	2.60	136	4.70
MSA-SW40D	-091421	9/14/2021	932	8.62	4.85	26.92	4.80	6.89	2.60	136	>5.5
MSA-SW41A	-091421	9/14/2021	852	8.40	4.90	26.70	12.10	6.04	2.60	137	1.50
MSA-SW41B	-091421	9/14/2021	855	8.41	4.96	26.80	7.90	6.02	2.70	136	2.70
MSA-SW41C	-091421	9/14/2021	857	8.47	4.98	26.84	5.80	6.01	2.70	135	2.70
MSA-SW41D	-091421	9/14/2021	900	8.51	4.96	26.84	5.90	6.88	2.70	135	5.40
MSA-SW42A	-091421	9/14/2021	939	8.67	4.90	27.01	5.20	6.40	2.60	136	1.50
MSA-SW42B	-091421	9/14/2021	942	8.63	4.91	26.99	5.60	6.73	2.60	137	3.50
MSA-SW42C	-091421	9/14/2021	944	8.66	4.92	27.09	4.70	7.12	2.60	136	4.70
MSA-SW42D	-091421	9/14/2021	946	8.68	4.92	27.09	5.20	7.03	2.60	136	5.30
MSA-SW43A	-091421	9/14/2021	835	8.19	4.96	26.63	8.80	6.85	2.70	140	1.40
MSA-SW43B	-091421	9/14/2021	838	8.20	4.90	26.60	9.80	6.00	2.60	139	3.90
MSA-SW43C	-091421	9/14/2021	841	8.25	4.95	26.71	7.70	6.61	2.60	138	5.00
MSA-SW43D	-091421	9/14/2021	844	8.33	4.98	26.79	6.80	7.00	2.70	137	5.50
MSA-SW44A	-091421	9/14/2021	820	7.42	4.97	26.6	12.90	6.34	2.7	159	1.30
MSA-SW44B	-091421	9/14/2021	827	7.64	4.97	26.7	9.30	6.72	2.7	154	3.40
MSA-SW44C	-091421	9/14/2021	830	7.83	5.00	26.71	9.30	6.50	2.70	148	5.00
MSA-SW44D	-091421	9/14/2021	832	7.98	5.01	26.77	7.30	7.14	2.70	144	5.20
MSA-SW46A	-091421	9/14/2021	937	8.64	4.91	27.02	6.00	6.70	2.60	136	1.70
MSA-SW47A	-091421	9/14/2021	918	8.59	4.89	26.83	4.40	5.01	2.60	137	2.00
MSA-SW48A	-091421	9/14/2021	903	8.53	4.91	26.75	9.60	6.23	2.60	136	1.30
MSA-SW49A	-091421	9/14/2021	847	8.40	4.89	26.61	16.70	5.81	2.60	137	2.00

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW37A -091421
Sample Location: MSA-SW37A
Sampled By: J. Mullis
C.O.C. No.:

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

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	9/14/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	950								
Depth:	1 ft below water	**clear**	**8.72**	**4.87**	**27.2**	**2.8**	**6.29**	**2.6**	**135**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 1.4 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW37B -091421
Sample Location: MSA-SW37B
Sampled By: J. Mullis
C.O.C. No.:

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

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	9/14/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	953								
Depth:	1 ft below water	**clear**	**8.68**	**4.87**	**27.05**	**5**	**7.05**	**2.6**	**136**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 3.2 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW37C -091421
Sample Location: MSA-SW37C
Sampled By: J. Mullis
C.O.C. No.:

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

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	9/14/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	955								
Depth:	1 ft below water	**clear**	**8.7**	**4.79**	**27.09**	**3**	**6.04**	**2.6**	**136**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 5.1 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW37D -091421
Sample Location: MSA-SW37D
Sampled By: J. Mullis
C.O.C. No.:

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

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	9/14/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	958								
Depth:	1 ft below water	**clear**	**8.71**	**4.75**	**27.09**	**2.6**	**6.09**	**2.5**	**135**
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 >5.5 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW38A -091421
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:	9/14/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	907								
Depth:	1 ft below water	**clear**	**8.54**	**4.9**	**26.76**	**9.7**	**5.88**	**2.6**	**136**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 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.: 112IC09343

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

Sample ID No.: MSA-SW38B -091421
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:	9/14/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	911								
Depth:	1 ft below water	**clear**	**8.54**	**4.92**	**26.80**	**7.30**	**6.06**	**2.6**	**136**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 3.7 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW38C -091421
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:	9/14/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	913								
Depth:	1 ft below water	**clear**	**8.54**	**4.92**	**26.81**	**7.6**	**7.02**	**2.6**	**137**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 4.2 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW38D -091421
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:	9/14/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	915								
Depth:	1 ft below water	**clear**	**8.55**	**4.91**	**26.85**	**5.00**	**6.77**	**2.6**	**136**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 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.: 112IC09343

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

Sample ID No.: MSA-SW40A -091421
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:	9/14/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	923								
Depth:	1 ft below water	**clear**	**8.60**	**4.91**	**26.90**	**26.90**	**6.20**	**2.6**	**136**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 1.2 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW40B -091421
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:	9/14/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	927								
Depth:	1 ft below water	**clear**	**8.63**	**4.90**	**26.90**	**4.80**	**6.47**	**2.6**	**135**
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.: 112IC09343

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

Sample ID No.: MSA-SW40C -091421
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:	9/14/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	930								
Depth:	1 ft below water	**clear**	**8.62**	**4.88**	**26.89**	**4.10**	**6.82**	**2.6**	**136**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 4.7 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW40D -091421
Sample Location: MSA-SW40D
Sampled By: J. Mullis
C.O.C. No.:

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

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	9/14/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	932								
Depth:	1 ft below water	**clear**	**8.62**	**4.85**	**26.92**	**4.80**	**6.89**	**2.6**	**136**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth >5.5 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW41A -091421
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:	9/14/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	852								
Depth:	1 ft below water	**clear**	**8.40**	**4.90**	**26.70**	**12.10**	**6.04**	**2.6**	**137**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 1.5 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW41B -091421
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:	9/14/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	855								
Depth:	1 ft below water	**clear**	**8.41**	**4.96**	**26.80**	**7.90**	**6.02**	**2.7**	**136**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 2.7 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW41C -091421
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:	9/14/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	857								
Depth:	1 ft below water	**clear**	**8.47**	**4.98**	**26.84**	**5.80**	**6.01**	**2.7**	**135**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 2.7 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW41D -091421
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:	9/14/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	900								
Depth:	1 ft below water	**clear**	**8.51**	**4.96**	**26.84**	**5.90**	**6.88**	**2.7**	**135**
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 5.4 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW42A -091421
Sample Location: MSA-SW42A
Sampled By: J. Mullis
C.O.C. No.:

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

SAMPLING DATA:

Date:	9/14/2021	Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Time:	939	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Depth:	1 ft below water	**clear**	**8.67**	**4.90**	**27.01**	**5.20**	**6.40**	**2.6**	**136**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 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.: 112IC09343

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

Sample ID No.: MSA-SW42B -091421
Sample Location: MSA-SW42B
Sampled By: J. Mullis
C.O.C. No.:

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

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	9/14/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	942								
Depth:	1 ft below water	**clear**	**8.63**	**4.91**	**26.99**	**5.60**	**6.73**	**2.6**	**137**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 3.5 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW42C -091421
Sample Location: MSA-SW42C
Sampled By: J. Mullis
C.O.C. No.:

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

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	9/14/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	944								
Depth:	1 ft below water	**clear**	**8.66**	**4.92**	**27.09**	**4.70**	**7.12**	**2.6**	**136**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 4.7 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW42D -091421
Sample Location: MSA-SW42D
Sampled By: J. Mullis
C.O.C. No.:

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

SAMPLING DATA:

		Color	pH	S.C.	Temp.	Turbidity	DO	Salinity	ORP
Date:	9/14/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	946								
Depth:	1 ft below water	**clear**	**8.68**	**4.92**	**27.09**	**5.20**	**7.03**	**2.6**	**136**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 5.3 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW43A -091421
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:	9/14/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	835								
Depth:	1 ft below water	**clear**	**8.19**	**4.96**	**26.63**	**8.80**	**6.85**	**2.7**	**140**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 1.4 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW43B -091421
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:	9/14/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	838								
Depth:	1 ft below water	**clear**	**8.20**	**4.90**	**26.60**	**9.80**	**6.00**	**2.6**	**139**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 3.9 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):



Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW43C -091421
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:	9/14/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	841								
Depth:	1 ft below water	**clear**	**8.25**	**4.95**	**26.71**	**7.70**	**6.61**	**2.6**	**138**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 5 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW43D -091421
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:	9/14/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	844								
Depth:	1 ft below water	**clear**	**8.33**	**4.98**	**26.79**	**6.80**	**7.00**	**2.7**	**137**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 5.5 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW44A -091421
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:	9/14/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	820								
Depth:	1 ft below water	**clear**	**7.42**	**4.97**	**26.60**	**12.90**	**6.34**	**2.7**	**159**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 1.3 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW44B -091421
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:	9/14/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	827								
Depth:	1 ft below water	**clear**	**7.64**	**4.97**	**26.65**	**9.30**	**6.72**	**2.7**	**154**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 3.4 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW44C -091421
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:	9/14/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	830								
Depth:	1 ft below water	**clear**	**7.83**	**5.00**	**26.71**	**9.30**	**6.50**	**2.7**	**148**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 5 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW44D -091421
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:	9/14/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	832								
Depth:	1 ft below water	**clear**	**7.98**	**5.01**	**26.77**	**7.30**	**7.14**	**2.7**	**144**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 5.2 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW46A -091421
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:	9/14/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	937								
Depth:	1 ft below water	**clear**	**8.64**	**4.91**	**27.02**	**6.00**	**6.70**	**2.6**	**136**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 1.7 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW47A -091421
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:	9/14/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	918								
Depth:	1 ft below water	**clear**	**8.59**	**4.89**	**26.83**	**4.40**	**5.01**	**2.6**	**137**
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 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW48A -091421
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:	9/14/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	903								
Depth:	1 ft below water	**clear**	**8.53**	**4.91**	**26.75**	**9.60**	**6.23**	**2.6**	**136**
Method:	Grab								

SAMPLE COLLECTION INFORMATION:

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

OBSERVATIONS / NOTES:

Water depth 1.3 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech

SURFACE WATER SAMPLE LOG SHEET

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

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

Sample ID No.: MSA-SW49A -091421
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:	9/14/2021	(Visual)	(S.U.)	(mS/cm)	(^{0}C)	(NTU)	(mg/L)	(ppt)	mV
Time:	847								
Depth:	1 ft below water	**clear**	**8.40**	**4.89**	**26.61**	**16.70**	**5.81**	**2.6**	**137**
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 meters

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

APPENDIX B—DATA-VALIDATION AND FULL LABORATORY REPORTS

TETRA TECH

INTERNAL CORRESPONDENCE

TO: **S. BRENNER** **DATE:** **OCTOBER 21, 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 240-156133-1

SAMPLES: 33/Aqueous/VOC

MSA-SW37A-091421	MSA-SW37B-091421	MSA-SW37C-091421
MSA-SW37D-091421	MSA-SW38A-091421	MSA-SW38B-091421
MSA-SW38C-091421	MSA-SW38D-091421	MSA-SW40A-091421
MSA-SW40B-091421	MSA-SW40C-091421	MSA-SW40D-091421
MSA-SW41A-091421	MSA-SW41B-091421	MSA-SW41C-091421
MSA-SW41D-091421	MSA-SW42A-091421	MSA-SW42B-091421
MSA-SW42C-091421	MSA-SW42D-091421	MSA-SW43A-091421
MSA-SW43B-091421	MSA-SW43C-091421	MSA-SW43D-091421
MSA-SW44A-091421	MSA-SW44B-091421	MSA-SW44C-091421
MSA-SW44D-091421	MSA-SW46A-091421	MSA-SW47A-091421
MSA-SW48A-091421	MSA-SW49A-091421	TB-091421

Overview

The sample set for LMC-MSA Frog Mortar Creek, SDG 240-156133-1 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 September 14, 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 A3UX16 on 09/18/2021 @ 1015 had Percent Differences (%D) for acetone, t-butyl alcohol, and 2,2'-dichloropropane which exceeded the 20% quality control limit. Samples associated with analytical batch # 240-504263 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 09/20/2021 @ 1023 had Percent Differences (%D) for trichlorofluoromethane, t-butyl alcohol, and 2,2'-dichloropropane, which exceeded the 20% quality control limit. Samples associated with analytical batch # 240-504389 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 09/23/2021 @ 1114 had Percent Differences (%D) for trichlorofluoromethane, t-butyl alcohol, and 2,2'-dichloropropane which exceeded the 20% quality control limit. Samples associated with analytical batch # 240-500679 were affected. The non-detected results reported for these compounds in the affected samples were qualified as estimated, (UJ).

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

- A laboratory control sample spike recovery for t-butyl alcohol was below lower laboratory control limit in sample batches 240-504263, 240-504389, and 240-505049. Nondetected results were qualified as estimated, (UJ).

Notes

Non-detected results were reported to the MDL.

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-091421			MSA-SW37B-091421			MSA-SW37C-091421			MSA-SW37D-091421		
SDG: 240-156133-1	LAB_ID	240-156133-1			240-156133-2			240-156133-3			240-156133-4		
FRACTION: OV	SAMP_DATE	9/14/2021			9/14/2021			9/14/2021			9/14/2021		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.43	U		0.43	U		0.43	U		0.43	U	
1,1,1-TRICHLOROETHANE		0.48	U		0.48	U		0.48	U		0.48	U	
1,1,2,2-TETRACHLOROETHANE		0.6	U		0.6	U		0.6	U		0.6	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,1-DICHLOROETHANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,1-DICHLOROETHENE		0.49	U		0.49	U		0.49	U		0.49	U	
1,1-DICHLOROPROPENE		0.36	U		0.36	U		0.36	U		0.36	U	
1,2,3-TRICHLOROBENZENE		0.54	U		0.54	U		0.54	U		0.54	U	
1,2,3-TRICHLOROPROPANE		0.52	U		0.52	U		0.52	U		0.52	U	
1,2,3-TRIMETHYLBENZENE		0.31	U		0.31	U		0.31	U		0.31	U	
1,2,4-TRICHLOROBENZENE		0.77	U		0.77	U		0.77	U		0.77	U	
1,2,4-TRIMETHYLBENZENE		0.52	U		0.52	U		0.52	U		0.52	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.91	U		0.91	U		0.91	U		0.91	U	
1,2-DIBROMOETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,2-DICHLOROBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
1,2-DICHLOROETHANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,2-DICHLOROPROPANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,3-DICHLOROBENZENE		0.45	U		0.45	U		0.45	U		0.45	U	
1,3-DICHLOROPROPANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,4-DICHLOROBENZENE		0.41	U		0.41	U		0.41	U		0.41	U	
2,2-DICHLOROPROPANE		0.78	UJ	C	0.78	UJ	C	0.78	UJ	C	0.78	UJ	C
2-BUTANONE		1.2	U		1.2	U		1.2	U		1.2	U	
2-CHLOROETHYL VINYL ETHER		1.5	UR	M	1.5	UR	M	1.5	UR	M	1.5	UR	M
2-CHLOROTOLUENE		0.57	U		0.57	U		0.57	U		0.57	U	
2-HEXANONE		1.1	U		1.1	U		1.1	U		1.1	U	
4-CHLOROTOLUENE		0.43	U		0.43	U		0.43	U		0.43	U	
4-ISOPROPYLTOLUENE		0.56	U		0.56	U		0.56	U		0.56	U	
4-METHYL-2-PENTANONE		0.99	U		0.99	U		0.99	U		0.99	U	
ACETONE		5.4	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-091421			MSA-SW38B-091421			MSA-SW38C-091421			MSA-SW38D-091421		
SDG: 240-156133-1	LAB_ID	240-156133-5			240-156133-6			240-156133-7			240-156133-8		
FRACTION: OV	SAMP_DATE	9/14/2021			9/14/2021			9/14/2021			9/14/2021		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.43	U		0.43	U		0.43	U		0.43	U	
1,1,1-TRICHLOROETHANE		0.48	U		0.48	U		0.48	U		0.48	U	
1,1,2,2-TETRACHLOROETHANE		0.6	U		0.6	U		0.6	U		0.6	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,1-DICHLOROETHANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,1-DICHLOROETHENE		0.49	U		0.49	U		0.49	U		0.49	U	
1,1-DICHLOROPROPENE		0.36	U		0.36	U		0.36	U		0.36	U	
1,2,3-TRICHLOROBENZENE		0.54	U		0.54	U		0.54	U		0.54	U	
1,2,3-TRICHLOROPROPANE		0.52	U		0.52	U		0.52	U		0.52	U	
1,2,3-TRIMETHYLBENZENE		0.31	U		0.31	U		0.31	U		0.31	U	
1,2,4-TRICHLOROBENZENE		0.77	U		0.77	U		0.77	U		0.77	U	
1,2,4-TRIMETHYLBENZENE		0.52	U		0.52	U		0.52	U		0.52	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.91	U		0.91	U		0.91	U		0.91	U	
1,2-DIBROMOETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,2-DICHLOROBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
1,2-DICHLOROETHANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,2-DICHLOROPROPANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,3-DICHLOROBENZENE		0.45	U		0.45	U		0.45	U		0.45	U	
1,3-DICHLOROPROPANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,4-DICHLOROBENZENE		0.41	U		0.41	U		0.41	U		0.41	U	
2,2-DICHLOROPROPANE		0.78	UJ	C	0.78	UJ	C	0.78	UJ	C	0.78	UJ	C
2-BUTANONE		1.2	U		1.2	U		1.2	U		1.2	U	
2-CHLOROETHYL VINYL ETHER		1.5	UR	M	1.5	UR	M	1.5	UR	M	1.5	UR	M
2-CHLOROTOLUENE		0.57	U		0.57	U		0.57	U		0.57	U	
2-HEXANONE		1.1	U		1.1	U		1.1	U		1.1	U	
4-CHLOROTOLUENE		0.43	U		0.43	U		0.43	U		0.43	U	
4-ISOPROPYLTOLUENE		0.56	U		0.56	U		0.56	U		0.56	U	
4-METHYL-2-PENTANONE		0.99	U		0.99	U		0.99	U		0.99	U	
ACETONE		5.4	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-091421			MSA-SW40B-091421			MSA-SW40C-091421			MSA-SW40D-091421		
SDG: 240-156133-1	LAB_ID	240-156133-9			240-156133-10			240-156133-11			240-156133-12		
FRACTION: OV	SAMP_DATE	9/14/2021			9/14/2021			9/14/2021			9/14/2021		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.43	U		0.43	U		0.43	U		0.43	U	
1,1,1-TRICHLOROETHANE		0.48	U		0.48	U		0.48	U		0.48	U	
1,1,2,2-TETRACHLOROETHANE		0.6	U		0.6	U		0.6	U		0.6	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,1-DICHLOROETHANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,1-DICHLOROETHENE		0.49	U		0.49	U		0.49	U		0.49	U	
1,1-DICHLOROPROPENE		0.36	U		0.36	U		0.36	U		0.36	U	
1,2,3-TRICHLOROBENZENE		0.54	U		0.54	U		0.54	U		0.54	U	
1,2,3-TRICHLOROPROPANE		0.52	U		0.52	U		0.52	U		0.52	U	
1,2,3-TRIMETHYLBENZENE		0.31	U		0.31	U		0.31	U		0.31	U	
1,2,4-TRICHLOROBENZENE		0.77	U		0.77	U		0.77	U		0.77	U	
1,2,4-TRIMETHYLBENZENE		0.52	U		0.52	U		0.52	U		0.52	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.91	U		0.91	U		0.91	U		0.91	U	
1,2-DIBROMOETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,2-DICHLOROBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
1,2-DICHLOROETHANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,2-DICHLOROPROPANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,3-DICHLOROBENZENE		0.45	U		0.45	U		0.45	U		0.45	U	
1,3-DICHLOROPROPANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,4-DICHLOROBENZENE		0.41	U		0.41	U		0.41	U		0.41	U	
2,2-DICHLOROPROPANE		0.78	UJ	C	0.78	UJ	C	0.78	UJ	C	0.78	UJ	C
2-BUTANONE		1.2	U		1.2	U		1.2	U		1.2	U	
2-CHLOROETHYL VINYL ETHER		1.5	UR	M	1.5	UR	M	1.5	UR	M	1.5	UR	M
2-CHLOROTOLUENE		0.57	U		0.57	U		0.57	U		0.57	U	
2-HEXANONE		1.1	U		1.1	U		1.1	U		1.1	U	
4-CHLOROTOLUENE		0.43	U		0.43	U		0.43	U		0.43	U	
4-ISOPROPYLTOLUENE		0.56	U		0.56	U		0.56	U		0.56	U	
4-METHYL-2-PENTANONE		0.99	U		0.99	U		0.99	U		0.99	U	
ACETONE		5.4	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-091421			MSA-SW41B-091421			MSA-SW41C-091421			MSA-SW41D-091421		
SDG: 240-156133-1	LAB_ID	240-156133-13			240-156133-14			240-156133-15			240-156133-16		
FRACTION: OV	SAMP_DATE	9/14/2021			9/14/2021			9/14/2021			9/14/2021		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.43	U		0.43	U		0.43	U		0.43	U	
1,1,1-TRICHLOROETHANE		0.48	U		0.48	U		0.48	U		0.48	U	
1,1,2,2-TETRACHLOROETHANE		0.6	U		0.6	U		0.6	U		0.6	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,1-DICHLOROETHANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,1-DICHLOROETHENE		0.49	U		0.49	U		0.49	U		0.49	U	
1,1-DICHLOROPROPENE		0.36	U		0.36	U		0.36	U		0.36	U	
1,2,3-TRICHLOROBENZENE		0.54	U		0.54	U		0.54	U		0.54	U	
1,2,3-TRICHLOROPROPANE		0.52	U		0.52	U		0.52	U		0.52	U	
1,2,3-TRIMETHYLBENZENE		0.31	U		0.31	U		0.31	U		0.31	U	
1,2,4-TRICHLOROBENZENE		0.77	U		0.77	U		0.77	U		0.77	U	
1,2,4-TRIMETHYLBENZENE		0.52	U		0.52	U		0.52	U		0.52	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.91	U		0.91	U		0.91	U		0.91	U	
1,2-DIBROMOETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,2-DICHLOROBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
1,2-DICHLOROETHANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,2-DICHLOROPROPANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,3-DICHLOROBENZENE		0.45	U		0.45	U		0.45	U		0.45	U	
1,3-DICHLOROPROPANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,4-DICHLOROBENZENE		0.41	U		0.41	U		0.41	U		0.41	U	
2,2-DICHLOROPROPANE		0.78	UJ	C	0.78	UJ	C	0.78	UJ	C	0.78	UJ	C
2-BUTANONE		1.2	U		1.2	U		1.2	U		1.2	U	
2-CHLOROETHYL VINYL ETHER		1.5	UR	M	1.5	UR	M	1.5	UR	M	1.5	UR	M
2-CHLOROTOLUENE		0.57	U		0.57	U		0.57	U		0.57	U	
2-HEXANONE		1.1	U		1.1	U		1.1	U		1.1	U	
4-CHLOROTOLUENE		0.43	U		0.43	U		0.43	U		0.43	U	
4-ISOPROPYLTOLUENE		0.56	U		0.56	U		0.56	U		0.56	U	
4-METHYL-2-PENTANONE		0.99	U		0.99	U		0.99	U		0.99	U	
ACETONE		5.4	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-091421			MSA-SW42B-091421			MSA-SW42C-091421			MSA-SW42D-091421		
SDG: 240-156133-1	LAB_ID	240-156133-17			240-156133-18			240-156133-19			240-156133-20		
FRACTION: OV	SAMP_DATE	9/14/2021			9/14/2021			9/14/2021			9/14/2021		
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	U		0.42	U	

PROJ_NO: 09343	NSAMPLE	MSA-SW43A-091421			MSA-SW43B-091421			MSA-SW43C-091421			MSA-SW43D-091421		
SDG: 240-156133-1	LAB_ID	240-156133-21			240-156133-22			240-156133-23			240-156133-24		
FRACTION: OV	SAMP_DATE	9/14/2021			9/14/2021			9/14/2021			9/14/2021		
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	U		0.42	U	

PROJ_NO: 09343	NSAMPLE	MSA-SW44A-091421			MSA-SW44B-091421			MSA-SW44C-091421			MSA-SW44D-091421		
SDG: 240-156133-1	LAB_ID	240-156133-25			240-156133-26			240-156133-27			240-156133-28		
FRACTION: OV	SAMP_DATE	9/14/2021			9/14/2021			9/14/2021			9/14/2021		
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	U		0.42	U	

PROJ_NO: 09343	NSAMPLE	MSA-SW46A-091421			MSA-SW47A-091421			MSA-SW48A-091421			MSA-SW49A-091421		
SDG: 240-156133-1	LAB_ID	240-156133-30			240-156133-31			240-156133-32			240-156133-33		
FRACTION: OV	SAMP_DATE	9/14/2021			9/14/2021			9/14/2021			9/14/2021		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.43	U		0.43	U		0.43	U		0.43	U	
1,1,1-TRICHLOROETHANE		0.48	U		0.48	U		0.48	U		0.48	U	
1,1,2,2-TETRACHLOROETHANE		0.6	U		0.6	U		0.6	U		0.6	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,1-DICHLOROETHANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,1-DICHLOROETHENE		0.49	U		0.49	U		0.49	U		0.49	U	
1,1-DICHLOROPROPENE		0.36	U		0.36	U		0.36	U		0.36	U	
1,2,3-TRICHLOROBENZENE		0.54	U		0.54	U		0.54	U		0.54	U	
1,2,3-TRICHLOROPROPANE		0.52	U		0.52	U		0.52	U		0.52	U	
1,2,3-TRIMETHYLBENZENE		0.31	U		0.31	U		0.31	U		0.31	U	
1,2,4-TRICHLOROBENZENE		0.77	U		0.77	U		0.77	U		0.77	U	
1,2,4-TRIMETHYLBENZENE		0.52	U		0.52	U		0.52	U		0.52	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.91	U		0.91	U		0.91	U		0.91	U	
1,2-DIBROMOETHANE		0.41	U		0.41	U		0.41	U		0.41	U	
1,2-DICHLOROBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
1,2-DICHLOROETHANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,2-DICHLOROPROPANE		0.47	U		0.47	U		0.47	U		0.47	U	
1,3-DICHLOROBENZENE		0.45	U		0.45	U		0.45	U		0.45	U	
1,3-DICHLOROPROPANE		0.21	U		0.21	U		0.21	U		0.21	U	
1,4-DICHLOROBENZENE		0.41	U		0.41	U		0.41	U		0.41	U	
2,2-DICHLOROPROPANE		0.78	UJ	C	0.78	UJ	C	0.78	UJ	C	0.78	UJ	C
2-BUTANONE		1.2	U		1.2	U		1.2	U		1.2	U	
2-CHLOROETHYL VINYL ETHER		1.5	UR	M	1.5	UR	M	1.5	UR	M	1.5	UR	M
2-CHLOROTOLUENE		0.57	U		0.57	U		0.57	U		0.57	U	
2-HEXANONE		1.1	U		1.1	U		1.1	U		1.1	U	
4-CHLOROTOLUENE		0.43	U		0.43	U		0.43	U		0.43	U	
4-ISOPROPYLTOLUENE		0.56	U		0.56	U		0.56	U		0.56	U	
4-METHYL-2-PENTANONE		0.99	U		0.99	U		0.99	U		0.99	U	
ACETONE		5.4	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	TB-091421		
SDG: 240-156133-1	LAB_ID	240-156133-29		
FRACTION: OV	SAMP_DATE	9/14/2021		
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	U	

PROJ_NO: 09343	NSAMPLE	MSA-SW37A-091421			MSA-SW37B-091421			MSA-SW37C-091421			MSA-SW37D-091421		
SDG: 240-156133-1	LAB_ID	240-156133-1			240-156133-2			240-156133-3			240-156133-4		
FRACTION: OV	SAMP_DATE	9/14/2021			9/14/2021			9/14/2021			9/14/2021		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.59	U		0.59	U		0.59	U		0.59	U	
CARBON TETRACHLORIDE		0.26	U		0.26	U		0.26	U		0.26	U	
CHLOROBENZENE		0.38	U		0.38	U		0.38	U		0.38	U	
CHLORODIBROMOMETHANE		0.39	U		0.39	U		0.39	U		0.39	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.83	U		0.83	U		0.83	U		0.83	U	
CHLOROFORM		0.47	U		0.47	U		0.47	U		0.47	U	
CHLOROMETHANE		0.63	U		0.63	U		0.63	U		0.63	U	
CIS-1,2-DICHLOROETHENE		0.46	U		0.46	U		0.46	U		0.46	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U		0.61	U		0.61	U	
DIBROMOMETHANE		0.4	U		0.4	U		0.4	U		0.4	U	
DICHLORODIFLUOROMETHANE		0.35	U		0.35	U		0.35	U		0.35	U	
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	U		0.4	U		0.4	U		0.4	U	
ETHYLBENZENE		0.42	U		0.42	U		0.42	U		0.42	U	
HEXACHLOROBUTADIENE		0.83	U		0.83	U		0.83	U		0.83	U	
ISOPROPYLBENZENE		0.49	U		0.49	U		0.49	U		0.49	U	
M+P-XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
METHYL TERT-BUTYL ETHER		0.47	U		0.47	U		0.47	U		0.47	U	
METHYLENE CHLORIDE		2.6	U		2.6	U		2.6	U		2.6	U	
NAPHTHALENE		0.8	U		0.8	U		0.8	U		0.8	U	
N-BUTYLBENZENE		0.6	U		0.6	U		0.6	U		0.6	U	
N-PROPYLBENZENE		0.57	U		0.57	U		0.57	U		0.57	U	
O-XYLENE		0.42	U		0.42	U		0.42	U		0.42	U	
SEC-BUTYLBENZENE		0.53	U		0.53	U		0.53	U		0.53	U	
STYRENE		0.45	U		0.45	U		0.45	U		0.45	U	
TERT-AMYL METHYL ETHER		0.43	U		0.43	U		0.43	U		0.43	U	
TERT-BUTYLBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
TERTIARY-BUTYL ALCOHOL		7.2	UJ	EC	7.2	UJ	EC	7.2	UJ	EC	7.2	UJ	EC
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-091421			MSA-SW38B-091421			MSA-SW38C-091421			MSA-SW38D-091421		
SDG: 240-156133-1	LAB_ID	240-156133-5			240-156133-6			240-156133-7			240-156133-8		
FRACTION: OV	SAMP_DATE	9/14/2021			9/14/2021			9/14/2021			9/14/2021		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.59	U		0.59	U		0.59	U		0.59	U	
CARBON TETRACHLORIDE		0.26	U		0.26	U		0.26	U		0.26	U	
CHLOROBENZENE		0.38	U		0.38	U		0.38	U		0.38	U	
CHLORODIBROMOMETHANE		0.39	U		0.39	U		0.39	U		0.39	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.83	U		0.83	U		0.83	U		0.83	U	
CHLOROFORM		0.47	U		0.47	U		0.47	U		0.47	U	
CHLOROMETHANE		0.63	U		0.63	U		0.63	U		0.63	U	
CIS-1,2-DICHLOROETHENE		0.46	U		0.46	U		0.46	U		0.46	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U		0.61	U		0.61	U	
DIBROMOMETHANE		0.4	U		0.4	U		0.4	U		0.4	U	
DICHLORODIFLUOROMETHANE		0.35	U		0.35	U		0.35	U		0.35	U	
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	U		0.4	U		0.4	U		0.4	U	
ETHYLBENZENE		0.42	U		0.42	U		0.42	U		0.42	U	
HEXACHLOROBUTADIENE		0.83	U		0.83	U		0.83	U		0.83	U	
ISOPROPYLBENZENE		0.49	U		0.49	U		0.49	U		0.49	U	
M+P-XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
METHYL TERT-BUTYL ETHER		0.47	U		0.47	U		0.47	U		0.47	U	
METHYLENE CHLORIDE		2.6	U		2.6	U		2.6	U		2.6	U	
NAPHTHALENE		0.8	U		0.8	U		0.8	U		0.8	U	
N-BUTYLBENZENE		0.6	U		0.6	U		0.6	U		0.6	U	
N-PROPYLBENZENE		0.57	U		0.57	U		0.57	U		0.57	U	
O-XYLENE		0.42	U		0.42	U		0.42	U		0.42	U	
SEC-BUTYLBENZENE		0.53	U		0.53	U		0.53	U		0.53	U	
STYRENE		0.45	U		0.45	U		0.45	U		0.45	U	
TERT-AMYL METHYL ETHER		0.43	U		0.43	U		0.43	U		0.43	U	
TERT-BUTYLBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
TERTIARY-BUTYL ALCOHOL		7.2	UJ	EC	7.2	UJ	EC	7.2	UJ	EC	7.2	UJ	EC
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-091421			MSA-SW40B-091421			MSA-SW40C-091421			MSA-SW40D-091421		
SDG: 240-156133-1	LAB_ID	240-156133-9			240-156133-10			240-156133-11			240-156133-12		
FRACTION: OV	SAMP_DATE	9/14/2021			9/14/2021			9/14/2021			9/14/2021		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.59	U		0.59	U		0.59	U		0.59	U	
CARBON TETRACHLORIDE		0.26	U		0.26	U		0.26	U		0.26	U	
CHLOROBENZENE		0.38	U		0.38	U		0.38	U		0.38	U	
CHLORODIBROMOMETHANE		0.39	U		0.39	U		0.39	U		0.39	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.83	U		0.83	U		0.83	U		0.83	U	
CHLOROFORM		0.47	U		0.47	U		0.47	U		0.47	U	
CHLOROMETHANE		0.63	U		0.63	U		0.63	U		0.63	U	
CIS-1,2-DICHLOROETHENE		0.46	U		0.46	U		0.46	U		0.46	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U		0.61	U		0.61	U	
DIBROMOMETHANE		0.4	U		0.4	U		0.4	U		0.4	U	
DICHLORODIFLUOROMETHANE		0.35	U		0.35	U		0.35	U		0.35	U	
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	U		0.4	U		0.4	U		0.4	U	
ETHYLBENZENE		0.42	U		0.42	U		0.42	U		0.42	U	
HEXACHLOROBUTADIENE		0.83	U		0.83	U		0.83	U		0.83	U	
ISOPROPYLBENZENE		0.49	U		0.49	U		0.49	U		0.49	U	
M+P-XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
METHYL TERT-BUTYL ETHER		0.47	U		0.47	U		0.47	U		0.47	U	
METHYLENE CHLORIDE		2.6	U		2.6	U		2.6	U		2.6	U	
NAPHTHALENE		0.8	U		0.8	U		0.8	U		0.8	U	
N-BUTYLBENZENE		0.6	U		0.6	U		0.6	U		0.6	U	
N-PROPYLBENZENE		0.57	U		0.57	U		0.57	U		0.57	U	
O-XYLENE		0.42	U		0.42	U		0.42	U		0.42	U	
SEC-BUTYLBENZENE		0.53	U		0.53	U		0.53	U		0.53	U	
STYRENE		0.45	U		0.45	U		0.45	U		0.45	U	
TERT-AMYL METHYL ETHER		0.43	U		0.43	U		0.43	U		0.43	U	
TERT-BUTYLBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
TERTIARY-BUTYL ALCOHOL		7.2	UJ	EC	7.2	UJ	EC	7.2	UJ	EC	7.2	UJ	EC
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-091421			MSA-SW41B-091421			MSA-SW41C-091421			MSA-SW41D-091421		
SDG: 240-156133-1	LAB_ID	240-156133-13			240-156133-14			240-156133-15			240-156133-16		
FRACTION: OV	SAMP_DATE	9/14/2021			9/14/2021			9/14/2021			9/14/2021		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.59	U		0.59	U		0.59	U		0.59	U	
CARBON TETRACHLORIDE		0.26	U		0.26	U		0.26	U		0.26	U	
CHLOROBENZENE		0.38	U		0.38	U		0.38	U		0.38	U	
CHLORODIBROMOMETHANE		0.39	U		0.39	U		0.39	U		0.39	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.83	U		0.83	U		0.83	U		0.83	U	
CHLOROFORM		0.47	U		0.47	U		0.47	U		0.47	U	
CHLOROMETHANE		0.63	U		0.63	U		0.63	U		0.63	U	
CIS-1,2-DICHLOROETHENE		0.46	U		0.46	U		0.46	U		0.46	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U		0.61	U		0.61	U	
DIBROMOMETHANE		0.4	U		0.4	U		0.4	U		0.4	U	
DICHLORODIFLUOROMETHANE		0.35	U		0.35	U		0.35	U		0.35	U	
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	U		0.4	U		0.4	U		0.4	U	
ETHYLBENZENE		0.42	U		0.42	U		0.42	U		0.42	U	
HEXACHLOROBUTADIENE		0.83	U		0.83	U		0.83	U		0.83	U	
ISOPROPYLBENZENE		0.49	U		0.49	U		0.49	U		0.49	U	
M+P-XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
METHYL TERT-BUTYL ETHER		0.47	U		0.47	U		0.47	U		0.47	U	
METHYLENE CHLORIDE		2.6	U		2.6	U		2.6	U		2.6	U	
NAPHTHALENE		0.8	U		0.8	U		0.8	U		0.8	U	
N-BUTYLBENZENE		0.6	U		0.6	U		0.6	U		0.6	U	
N-PROPYLBENZENE		0.57	U		0.57	U		0.57	U		0.57	U	
O-XYLENE		0.42	U		0.42	U		0.42	U		0.42	U	
SEC-BUTYLBENZENE		0.53	U		0.53	U		0.53	U		0.53	U	
STYRENE		0.45	U		0.45	U		0.45	U		0.45	U	
TERT-AMYL METHYL ETHER		0.43	U		0.43	U		0.43	U		0.43	U	
TERT-BUTYLBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
TERTIARY-BUTYL ALCOHOL		7.2	UJ	EC	7.2	UJ	EC	7.2	UJ	EC	7.2	UJ	EC
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-091421			MSA-SW42B-091421			MSA-SW42C-091421			MSA-SW42D-091421		
SDG: 240-156133-1	LAB_ID	240-156133-17			240-156133-18			240-156133-19			240-156133-20		
FRACTION: OV	SAMP_DATE	9/14/2021			9/14/2021			9/14/2021			9/14/2021		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.59	U		0.59	U		0.59	U		0.59	U	
CARBON TETRACHLORIDE		0.26	U		0.26	U		0.26	U		0.26	U	
CHLOROBENZENE		0.38	U		0.38	U		0.38	U		0.38	U	
CHLORODIBROMOMETHANE		0.39	U		0.39	U		0.39	U		0.39	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.83	U		0.83	U		0.83	U		0.83	U	
CHLOROFORM		0.47	U		0.47	U		0.47	U		0.47	U	
CHLOROMETHANE		0.63	U		0.63	U		0.63	U		0.63	U	
CIS-1,2-DICHLOROETHENE		0.46	U		0.46	U		0.46	U		0.46	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U		0.61	U		0.61	U	
DIBROMOMETHANE		0.4	U		0.4	U		0.4	U		0.4	U	
DICHLORODIFLUOROMETHANE		0.35	U		0.35	U		0.35	U		0.35	U	
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	U		0.4	U		0.4	U		0.4	U	
ETHYLBENZENE		0.42	U		0.42	U		0.42	U		0.42	U	
HEXACHLOROBUTADIENE		0.83	U		0.83	U		0.83	U		0.83	U	
ISOPROPYLBENZENE		0.49	U		0.49	U		0.49	U		0.49	U	
M+P-XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
METHYL TERT-BUTYL ETHER		0.47	U		0.47	U		0.47	U		0.47	U	
METHYLENE CHLORIDE		2.6	U		2.6	U		2.6	U		2.6	U	
NAPHTHALENE		0.8	U		0.8	U		0.8	U		0.8	U	
N-BUTYLBENZENE		0.6	U		0.6	U		0.6	U		0.6	U	
N-PROPYLBENZENE		0.57	U		0.57	U		0.57	U		0.57	U	
O-XYLENE		0.42	U		0.42	U		0.42	U		0.42	U	
SEC-BUTYLBENZENE		0.53	U		0.53	U		0.53	U		0.53	U	
STYRENE		0.45	U		0.45	U		0.45	U		0.45	U	
TERT-AMYL METHYL ETHER		0.43	U		0.43	U		0.43	U		0.43	U	
TERT-BUTYLBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
TERTIARY-BUTYL ALCOHOL		7.2	UJ	E	7.2	UJ	E	7.2	UJ	E	7.2	UJ	E
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-091421			MSA-SW43B-091421			MSA-SW43C-091421			MSA-SW43D-091421		
SDG: 240-156133-1	LAB_ID	240-156133-21			240-156133-22			240-156133-23			240-156133-24		
FRACTION: OV	SAMP_DATE	9/14/2021			9/14/2021			9/14/2021			9/14/2021		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.59	U		0.59	U		0.59	U		0.59	U	
CARBON TETRACHLORIDE		0.26	U		0.26	U		0.26	U		0.26	U	
CHLOROBENZENE		0.38	U		0.38	U		0.38	U		0.38	U	
CHLORODIBROMOMETHANE		0.39	U		0.39	U		0.39	U		0.39	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.83	U		0.83	U		0.83	U		0.83	U	
CHLOROFORM		0.47	U		0.47	U		0.47	U		0.47	U	
CHLOROMETHANE		0.63	U		0.63	U		0.63	U		0.63	U	
CIS-1,2-DICHLOROETHENE		0.46	U		0.46	U		0.46	U		0.46	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U		0.61	U		0.61	U	
DIBROMOMETHANE		0.4	U		0.4	U		0.4	U		0.4	U	
DICHLORODIFLUOROMETHANE		0.35	U		0.35	U		0.35	U		0.35	U	
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	U		0.4	U		0.4	U		0.4	U	
ETHYLBENZENE		0.42	U		0.42	U		0.42	U		0.42	U	
HEXACHLOROBUTADIENE		0.83	U		0.83	U		0.83	U		0.83	U	
ISOPROPYLBENZENE		0.49	U		0.49	U		0.49	U		0.49	U	
M+P-XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
METHYL TERT-BUTYL ETHER		0.47	U		0.47	U		0.47	U		0.47	U	
METHYLENE CHLORIDE		2.6	U		2.6	U		2.6	U		2.6	U	
NAPHTHALENE		0.8	U		0.8	U		0.8	U		0.8	U	
N-BUTYLBENZENE		0.6	U		0.6	U		0.6	U		0.6	U	
N-PROPYLBENZENE		0.57	U		0.57	U		0.57	U		0.57	U	
O-XYLENE		0.42	U		0.42	U		0.42	U		0.42	U	
SEC-BUTYLBENZENE		0.53	U		0.53	U		0.53	U		0.53	U	
STYRENE		0.45	U		0.45	U		0.45	U		0.45	U	
TERT-AMYL METHYL ETHER		0.43	U		0.43	U		0.43	U		0.43	U	
TERT-BUTYLBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
TERTIARY-BUTYL ALCOHOL		7.2	UJ	E	7.2	UJ	E	7.2	UJ	E	7.2	UJ	E
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-091421			MSA-SW44B-091421			MSA-SW44C-091421			MSA-SW44D-091421		
SDG: 240-156133-1	LAB_ID	240-156133-25			240-156133-26			240-156133-27			240-156133-28		
FRACTION: OV	SAMP_DATE	9/14/2021			9/14/2021			9/14/2021			9/14/2021		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.59	U		0.59	U		0.59	U		0.59	U	
CARBON TETRACHLORIDE		0.26	U		0.26	U		0.26	U		0.26	U	
CHLOROBENZENE		0.38	U		0.38	U		0.38	U		0.38	U	
CHLORODIBROMOMETHANE		0.39	U		0.39	U		0.39	U		0.39	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.83	U		0.83	U		0.83	U		0.83	U	
CHLOROFORM		0.47	U		0.47	U		0.47	U		0.47	U	
CHLOROMETHANE		0.63	U		0.63	U		0.63	U		0.63	U	
CIS-1,2-DICHLOROETHENE		0.46	U		0.46	U		0.46	U		0.46	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U		0.61	U		0.61	U	
DIBROMOMETHANE		0.4	U		0.4	U		0.4	U		0.4	U	
DICHLORODIFLUOROMETHANE		0.35	U		0.35	U		0.35	U		0.35	U	
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	U		0.4	U		0.4	U		0.4	U	
ETHYLBENZENE		0.42	U		0.42	U		0.42	U		0.42	U	
HEXACHLOROBUTADIENE		0.83	U		0.83	U		0.83	U		0.83	U	
ISOPROPYLBENZENE		0.49	U		0.49	U		0.49	U		0.49	U	
M+P-XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
METHYL TERT-BUTYL ETHER		0.47	U		0.47	U		0.47	U		0.47	U	
METHYLENE CHLORIDE		2.6	U		2.6	U		2.6	U		2.6	U	
NAPHTHALENE		0.8	U		0.8	U		0.8	U		0.8	U	
N-BUTYLBENZENE		0.6	U		0.6	U		0.6	U		0.6	U	
N-PROPYLBENZENE		0.57	U		0.57	U		0.57	U		0.57	U	
O-XYLENE		0.42	U		0.42	U		0.42	U		0.42	U	
SEC-BUTYLBENZENE		0.53	U		0.53	U		0.53	U		0.53	U	
STYRENE		0.45	U		0.45	U		0.45	U		0.45	U	
TERT-AMYL METHYL ETHER		0.43	U		0.43	U		0.43	U		0.43	U	
TERT-BUTYLBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
TERTIARY-BUTYL ALCOHOL		7.2	UJ	E	7.2	UJ	E	7.2	UJ	E	7.2	UJ	E
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-091421			MSA-SW47A-091421			MSA-SW48A-091421			MSA-SW49A-091421		
SDG: 240-156133-1	LAB_ID	240-156133-30			240-156133-31			240-156133-32			240-156133-33		
FRACTION: OV	SAMP_DATE	9/14/2021			9/14/2021			9/14/2021			9/14/2021		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.59	U		0.59	U		0.59	U		0.59	U	
CARBON TETRACHLORIDE		0.26	U		0.26	U		0.26	U		0.26	U	
CHLOROBENZENE		0.38	U		0.38	U		0.38	U		0.38	U	
CHLORODIBROMOMETHANE		0.39	U		0.39	U		0.39	U		0.39	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.83	U		0.83	U		0.83	U		0.83	U	
CHLOROFORM		0.47	U		0.47	U		0.47	U		0.47	U	
CHLOROMETHANE		0.63	U		0.63	U		0.63	U		0.63	U	
CIS-1,2-DICHLOROETHENE		0.46	U		0.46	U		0.46	U		0.46	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U		0.61	U		0.61	U	
DIBROMOMETHANE		0.4	U		0.4	U		0.4	U		0.4	U	
DICHLORODIFLUOROMETHANE		0.35	U		0.35	U		0.35	U		0.35	U	
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	U		0.4	U		0.4	U		0.4	U	
ETHYLBENZENE		0.42	U		0.42	U		0.42	U		0.42	U	
HEXACHLOROBUTADIENE		0.83	U		0.83	U		0.83	U		0.83	U	
ISOPROPYLBENZENE		0.49	U		0.49	U		0.49	U		0.49	U	
M+P-XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
METHYL TERT-BUTYL ETHER		0.47	U		0.47	U		0.47	U		0.47	U	
METHYLENE CHLORIDE		2.6	U		2.6	U		2.6	U		2.6	U	
NAPHTHALENE		0.8	U		0.8	U		0.8	U		0.8	U	
N-BUTYLBENZENE		0.6	U		0.6	U		0.6	U		0.6	U	
N-PROPYLBENZENE		0.57	U		0.57	U		0.57	U		0.57	U	
O-XYLENE		0.42	U		0.42	U		0.42	U		0.42	U	
SEC-BUTYLBENZENE		0.53	U		0.53	U		0.53	U		0.53	U	
STYRENE		0.45	U		0.45	U		0.45	U		0.45	U	
TERT-AMYL METHYL ETHER		0.43	U		0.43	U		0.43	U		0.43	U	
TERT-BUTYLBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
TERTIARY-BUTYL ALCOHOL		7.2	UJ	C	7.2	UJ	C	7.2	UJ	C	7.2	UJ	C
TETRACHLOROETHENE		0.44	U		0.44	U		0.44	U		0.44	U	
TOLUENE		0.44	U		0.44	U		0.44	U		0.44	U	
TOTAL XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
TRANS-1,2-DICHLOROETHENE		0.51	U		0.51	U		0.51	U		0.51	U	
TRANS-1,3-DICHLOROPROPENE		0.67	U		0.67	U		0.67	U		0.67	U	
TRICHLOROETHENE		0.44	U		0.44	U		0.44	U		0.44	U	

PROJ_NO: 09343	NSAMPLE	TB-091421		
SDG: 240-156133-1	LAB_ID	240-156133-29		
FRACTION: OV	SAMP_DATE	9/14/2021		
MEDIA: WATER	QC_TYPE	NM		
	UNITS	UG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
CARBON DISULFIDE		0.59	U	
CARBON TETRACHLORIDE		0.26	U	
CHLOROBENZENE		0.38	U	
CHLORODIBROMOMETHANE		0.39	U	
CHLORODIFLUOROMETHANE		1	UJ	Q
CHLOROETHANE		0.83	U	
CHLOROFORM		0.47	U	
CHLOROMETHANE		0.63	U	
CIS-1,2-DICHLOROETHENE		0.46	U	
CIS-1,3-DICHLOROPROPENE		0.61	U	
DIBROMOMETHANE		0.4	U	
DICHLORODIFLUOROMETHANE		0.35	U	
DIISOPROPYL ETHER		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	U	
ETHYLBENZENE		0.42	U	
HEXACHLOROBUTADIENE		0.83	U	
ISOPROPYLBENZENE		0.49	U	
M+P-XYLENES		0.42	U	
METHYL TERT-BUTYL ETHER		0.47	U	
METHYLENE CHLORIDE		2.6	U	
NAPHTHALENE		0.8	U	
N-BUTYLBENZENE		0.6	U	
N-PROPYLBENZENE		0.57	U	
O-XYLENE		0.42	U	
SEC-BUTYLBENZENE		0.53	U	
STYRENE		0.45	U	
TERT-AMYL METHYL ETHER		0.43	U	
TERT-BUTYLBENZENE		0.48	U	
TERTIARY-BUTYL ALCOHOL		7.2	UJ	E
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-091421			MSA-SW37B-091421			MSA-SW37C-091421			MSA-SW37D-091421		
SDG: 240-156133-1	LAB_ID	240-156133-1			240-156133-2			240-156133-3			240-156133-4		
FRACTION: OV	SAMP_DATE	9/14/2021			9/14/2021			9/14/2021			9/14/2021		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.45	U		0.45	U		0.45	U		0.45	U	
VINYL ACETATE		0.61	U		0.61	U		0.61	U		0.61	U	
VINYL CHLORIDE		0.45	U		0.45	U		0.45	U		0.45	U	

PROJ_NO: 09343	NSAMPLE	MSA-SW38A-091421			MSA-SW38B-091421			MSA-SW38C-091421			MSA-SW38D-091421		
SDG: 240-156133-1	LAB_ID	240-156133-5			240-156133-6			240-156133-7			240-156133-8		
FRACTION: OV	SAMP_DATE	9/14/2021			9/14/2021			9/14/2021			9/14/2021		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.45	U		0.45	U		0.45	U		0.45	U	
VINYL ACETATE		0.61	U		0.61	U		0.61	U		0.61	U	
VINYL CHLORIDE		0.45	U		0.45	U		0.45	U		0.45	U	

PROJ_NO: 09343	NSAMPLE	MSA-SW40A-091421			MSA-SW40B-091421			MSA-SW40C-091421			MSA-SW40D-091421		
SDG: 240-156133-1	LAB_ID	240-156133-9			240-156133-10			240-156133-11			240-156133-12		
FRACTION: OV	SAMP_DATE	9/14/2021			9/14/2021			9/14/2021			9/14/2021		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.45	U		0.45	U		0.45	U		0.45	U	
VINYL ACETATE		0.61	U		0.61	U		0.61	U		0.61	U	
VINYL CHLORIDE		0.45	U		0.45	U		0.45	U		0.45	U	

PROJ_NO: 09343	NSAMPLE	MSA-SW41A-091421			MSA-SW41B-091421			MSA-SW41C-091421			MSA-SW41D-091421		
SDG: 240-156133-1	LAB_ID	240-156133-13			240-156133-14			240-156133-15			240-156133-16		
FRACTION: OV	SAMP_DATE	9/14/2021			9/14/2021			9/14/2021			9/14/2021		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.45	U		0.45	U		0.45	U		0.45	U	
VINYL ACETATE		0.61	U		0.61	U		0.61	U		0.61	U	
VINYL CHLORIDE		0.45	U		0.45	U		0.45	U		0.45	U	

PROJ_NO: 09343	NSAMPLE	MSA-SW42A-091421			MSA-SW42B-091421			MSA-SW42C-091421			MSA-SW42D-091421		
SDG: 240-156133-1	LAB_ID	240-156133-17			240-156133-18			240-156133-19			240-156133-20		
FRACTION: OV	SAMP_DATE	9/14/2021			9/14/2021			9/14/2021			9/14/2021		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.45	U		0.45	U		0.45	U		0.45	U	
VINYL ACETATE		0.61	U		0.61	U		0.61	U		0.61	U	
VINYL CHLORIDE		0.45	U		0.45	U		0.45	U		0.45	U	

PROJ_NO: 09343	NSAMPLE	MSA-SW43A-091421			MSA-SW43B-091421			MSA-SW43C-091421			MSA-SW43D-091421		
SDG: 240-156133-1	LAB_ID	240-156133-21			240-156133-22			240-156133-23			240-156133-24		
FRACTION: OV	SAMP_DATE	9/14/2021			9/14/2021			9/14/2021			9/14/2021		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.45	U		0.45	U		0.45	U		0.45	U	
VINYL ACETATE		0.61	U		0.61	U		0.61	U		0.61	U	
VINYL CHLORIDE		0.45	U		0.45	U		0.45	U		0.45	U	

PROJ_NO: 09343	NSAMPLE	MSA-SW44A-091421			MSA-SW44B-091421			MSA-SW44C-091421			MSA-SW44D-091421		
SDG: 240-156133-1	LAB_ID	240-156133-25			240-156133-26			240-156133-27			240-156133-28		
FRACTION: OV	SAMP_DATE	9/14/2021			9/14/2021			9/14/2021			9/14/2021		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.45	U		0.45	U		0.45	U		0.45	U	
VINYL ACETATE		0.61	U		0.61	U		0.61	U		0.61	U	
VINYL CHLORIDE		0.45	U		0.45	U		0.45	U		0.45	U	

PROJ_NO: 09343	NSAMPLE	MSA-SW46A-091421			MSA-SW47A-091421			MSA-SW48A-091421			MSA-SW49A-091421		
SDG: 240-156133-1	LAB_ID	240-156133-30			240-156133-31			240-156133-32			240-156133-33		
FRACTION: OV	SAMP_DATE	9/14/2021			9/14/2021			9/14/2021			9/14/2021		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.45	U		0.45	U		0.45	U		0.45	U	
VINYL ACETATE		0.61	U		0.61	U		0.61	U		0.61	U	
VINYL CHLORIDE		0.45	U		0.45	U		0.45	U		0.45	U	

PROJ_NO: 09343	NSAMPLE	TB-091421		
SDG: 240-156133-1	LAB_ID	240-156133-29		
FRACTION: OV	SAMP_DATE	9/14/2021		
MEDIA: WATER	QC_TYPE	NM		
	UNITS	UG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.45	U	
VINYL ACETATE		0.61	U	
VINYL CHLORIDE		0.45	U	

Appendix B

Results as Reported by the Laboratory

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37A-091421 Lab Sample ID: 240-156133-1

Matrix: Water Lab File ID: UXM39890.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:50

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 18:04

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37A-091421 Lab Sample ID: 240-156133-1

Matrix: Water Lab File ID: UXM39890.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:50

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 18:04

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37A-091421 Lab Sample ID: 240-156133-1

Matrix: Water Lab File ID: UXM39890.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:50

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 18:04

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		56-136
1868-53-7	Dibromofluoromethane (Surr)	93		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		62-137
2037-26-5	Toluene-d8 (Surr)	94		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37A-091421 Lab Sample ID: 240-156133-1

Matrix: Water Lab File ID: UXM39890.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:50

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 18:04

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37A-091421 Lab Sample ID: 240-156133-1

Matrix: Water Lab File ID: UXM39890.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:50

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 18:04

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37B-091421 Lab Sample ID: 240-156133-2

Matrix: Water Lab File ID: UXM39891.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:53

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 18:29

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.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37B-091421 Lab Sample ID: 240-156133-2

Matrix: Water Lab File ID: UXM39891.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:53

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 18:29

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.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37B-091421 Lab Sample ID: 240-156133-2

Matrix: Water Lab File ID: UXM39891.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:53

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 18:29

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.: 504263 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		56-136
1868-53-7	Dibromofluoromethane (Surr)	90		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37B-091421 Lab Sample ID: 240-156133-2

Matrix: Water Lab File ID: UXM39891.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:53

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 18:29

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.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37B-091421 Lab Sample ID: 240-156133-2

Matrix: Water Lab File ID: UXM39891.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:53

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 18:29

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.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37C-091421 Lab Sample ID: 240-156133-3

Matrix: Water Lab File ID: UXM39892.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:55

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 18:53

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.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37C-091421 Lab Sample ID: 240-156133-3

Matrix: Water Lab File ID: UXM39892.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:55

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 18:53

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.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37C-091421 Lab Sample ID: 240-156133-3

Matrix: Water Lab File ID: UXM39892.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:55

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 18:53

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.: 504263 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		56-136
1868-53-7	Dibromofluoromethane (Surr)	95		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		62-137
2037-26-5	Toluene-d8 (Surr)	94		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37C-091421 Lab Sample ID: 240-156133-3

Matrix: Water Lab File ID: UXM39892.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:55

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 18:53

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.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37C-091421 Lab Sample ID: 240-156133-3

Matrix: Water Lab File ID: UXM39892.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:55

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 18:53

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.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37D-091421 Lab Sample ID: 240-156133-4

Matrix: Water Lab File ID: UXM39893.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:58

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 19:18

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37D-091421 Lab Sample ID: 240-156133-4

Matrix: Water Lab File ID: UXM39893.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:58

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 19:18

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37D-091421 Lab Sample ID: 240-156133-4

Matrix: Water Lab File ID: UXM39893.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:58

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 19:18

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 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		56-136
1868-53-7	Dibromofluoromethane (Surr)	99		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		62-137
2037-26-5	Toluene-d8 (Surr)	100		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37D-091421 Lab Sample ID: 240-156133-4

Matrix: Water Lab File ID: UXM39893.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:58

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 19:18

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37D-091421 Lab Sample ID: 240-156133-4

Matrix: Water Lab File ID: UXM39893.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:58

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 19:18

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38A-091421 Lab Sample ID: 240-156133-5

Matrix: Water Lab File ID: UXM39894.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:07

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 19:43

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38A-091421 Lab Sample ID: 240-156133-5

Matrix: Water Lab File ID: UXM39894.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:07

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 19:43

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38A-091421 Lab Sample ID: 240-156133-5

Matrix: Water Lab File ID: UXM39894.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:07

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 19:43

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		56-136
1868-53-7	Dibromofluoromethane (Surr)	91		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		62-137
2037-26-5	Toluene-d8 (Surr)	95		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38A-091421 Lab Sample ID: 240-156133-5

Matrix: Water Lab File ID: UXM39894.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:07

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 19:43

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38A-091421 Lab Sample ID: 240-156133-5

Matrix: Water Lab File ID: UXM39894.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:07

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 19:43

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38B-091421 Lab Sample ID: 240-156133-6

Matrix: Water Lab File ID: UXM39895.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:11

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 20:07

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.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38B-091421 Lab Sample ID: 240-156133-6

Matrix: Water Lab File ID: UXM39895.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:11

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 20:07

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.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38B-091421 Lab Sample ID: 240-156133-6

Matrix: Water Lab File ID: UXM39895.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:11

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 20:07

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.: 504263 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		56-136
1868-53-7	Dibromofluoromethane (Surr)	91		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		62-137
2037-26-5	Toluene-d8 (Surr)	95		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38B-091421 Lab Sample ID: 240-156133-6

Matrix: Water Lab File ID: UXM39895.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:11

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 20:07

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.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38B-091421 Lab Sample ID: 240-156133-6

Matrix: Water Lab File ID: UXM39895.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:11

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 20:07

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.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38C-091421 Lab Sample ID: 240-156133-7

Matrix: Water Lab File ID: UXM39896.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:13

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 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.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38C-091421 Lab Sample ID: 240-156133-7

Matrix: Water Lab File ID: UXM39896.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:13

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 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.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38C-091421 Lab Sample ID: 240-156133-7

Matrix: Water Lab File ID: UXM39896.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:13

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 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.: 504263 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		56-136
1868-53-7	Dibromofluoromethane (Surr)	94		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38C-091421 Lab Sample ID: 240-156133-7

Matrix: Water Lab File ID: UXM39896.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:13

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 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.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38C-091421 Lab Sample ID: 240-156133-7

Matrix: Water Lab File ID: UXM39896.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:13

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 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.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38D-091421 Lab Sample ID: 240-156133-8

Matrix: Water Lab File ID: UXM39914.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:15

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 15:44

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38D-091421 Lab Sample ID: 240-156133-8

Matrix: Water Lab File ID: UXM39914.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:15

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 15:44

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38D-091421 Lab Sample ID: 240-156133-8

Matrix: Water Lab File ID: UXM39914.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:15

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 15:44

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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		56-136
1868-53-7	Dibromofluoromethane (Surr)	93		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		62-137
2037-26-5	Toluene-d8 (Surr)	96		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38D-091421 Lab Sample ID: 240-156133-8

Matrix: Water Lab File ID: UXM39914.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:15

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 15:44

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38D-091421 Lab Sample ID: 240-156133-8

Matrix: Water Lab File ID: UXM39914.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:15

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 15:44

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40A-091421 Lab Sample ID: 240-156133-9

Matrix: Water Lab File ID: UXM39915.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:23

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 16:09

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40A-091421 Lab Sample ID: 240-156133-9

Matrix: Water Lab File ID: UXM39915.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:23

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 16:09

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40A-091421 Lab Sample ID: 240-156133-9

Matrix: Water Lab File ID: UXM39915.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:23

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 16:09

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.: 504389 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	101		56-136
1868-53-7	Dibromofluoromethane (Surr)	99		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		62-137
2037-26-5	Toluene-d8 (Surr)	92		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40A-091421 Lab Sample ID: 240-156133-9

Matrix: Water Lab File ID: UXM39915.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:23

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 16:09

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40A-091421 Lab Sample ID: 240-156133-9

Matrix: Water Lab File ID: UXM39915.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:23

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 16:09

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40B-091421 Lab Sample ID: 240-156133-10

Matrix: Water Lab File ID: UXM39916.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:27

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 16:34

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40B-091421 Lab Sample ID: 240-156133-10

Matrix: Water Lab File ID: UXM39916.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:27

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 16:34

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40B-091421 Lab Sample ID: 240-156133-10

Matrix: Water Lab File ID: UXM39916.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:27

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 16:34

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		56-136
1868-53-7	Dibromofluoromethane (Surr)	92		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40B-091421 Lab Sample ID: 240-156133-10

Matrix: Water Lab File ID: UXM39916.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:27

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 16:34

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40B-091421 Lab Sample ID: 240-156133-10

Matrix: Water Lab File ID: UXM39916.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:27

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 16:34

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40C-091421 Lab Sample ID: 240-156133-11

Matrix: Water Lab File ID: UXM39917.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:30

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 16:58

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40C-091421 Lab Sample ID: 240-156133-11

Matrix: Water Lab File ID: UXM39917.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:30

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 16:58

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40C-091421 Lab Sample ID: 240-156133-11

Matrix: Water Lab File ID: UXM39917.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:30

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 16:58

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	102		56-136
1868-53-7	Dibromofluoromethane (Surr)	95		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		62-137
2037-26-5	Toluene-d8 (Surr)	95		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40C-091421 Lab Sample ID: 240-156133-11

Matrix: Water Lab File ID: UXM39917.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:30

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 16:58

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40C-091421 Lab Sample ID: 240-156133-11

Matrix: Water Lab File ID: UXM39917.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:30

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 16:58

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40D-091421 Lab Sample ID: 240-156133-12

Matrix: Water Lab File ID: UXM39918.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:32

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 17:23

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40D-091421 Lab Sample ID: 240-156133-12

Matrix: Water Lab File ID: UXM39918.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:32

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 17:23

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40D-091421 Lab Sample ID: 240-156133-12

Matrix: Water Lab File ID: UXM39918.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:32

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 17:23

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.: 504389 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		56-136
1868-53-7	Dibromofluoromethane (Surr)	105		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		62-137
2037-26-5	Toluene-d8 (Surr)	95		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40D-091421 Lab Sample ID: 240-156133-12

Matrix: Water Lab File ID: UXM39918.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:32

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 17:23

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40D-091421 Lab Sample ID: 240-156133-12

Matrix: Water Lab File ID: UXM39918.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:32

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 17:23

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41A-091421 Lab Sample ID: 240-156133-13

Matrix: Water Lab File ID: UXM39919.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:52

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 17:48

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41A-091421 Lab Sample ID: 240-156133-13

Matrix: Water Lab File ID: UXM39919.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:52

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 17:48

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41A-091421 Lab Sample ID: 240-156133-13

Matrix: Water Lab File ID: UXM39919.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:52

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 17:48

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.: 504389 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		56-136
1868-53-7	Dibromofluoromethane (Surr)	97		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		62-137
2037-26-5	Toluene-d8 (Surr)	92		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41A-091421 Lab Sample ID: 240-156133-13

Matrix: Water Lab File ID: UXM39919.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:52

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 17:48

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41A-091421 Lab Sample ID: 240-156133-13

Matrix: Water Lab File ID: UXM39919.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:52

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 17:48

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41B-091421 Lab Sample ID: 240-156133-14

Matrix: Water Lab File ID: UXM39920.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:55

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 18:13

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41B-091421 Lab Sample ID: 240-156133-14

Matrix: Water Lab File ID: UXM39920.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:55

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 18:13

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41B-091421 Lab Sample ID: 240-156133-14

Matrix: Water Lab File ID: UXM39920.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:55

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 18:13

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	102		56-136
1868-53-7	Dibromofluoromethane (Surr)	103		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41B-091421 Lab Sample ID: 240-156133-14

Matrix: Water Lab File ID: UXM39920.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:55

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 18:13

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41B-091421 Lab Sample ID: 240-156133-14

Matrix: Water Lab File ID: UXM39920.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:55

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 18:13

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41C-091421 Lab Sample ID: 240-156133-15

Matrix: Water Lab File ID: UXM39921.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:57

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 18:37

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41C-091421 Lab Sample ID: 240-156133-15

Matrix: Water Lab File ID: UXM39921.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:57

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 18:37

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41C-091421 Lab Sample ID: 240-156133-15

Matrix: Water Lab File ID: UXM39921.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:57

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 18:37

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.: 504389 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		56-136
1868-53-7	Dibromofluoromethane (Surr)	108		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		62-137
2037-26-5	Toluene-d8 (Surr)	94		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41C-091421 Lab Sample ID: 240-156133-15

Matrix: Water Lab File ID: UXM39921.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:57

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 18:37

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41C-091421 Lab Sample ID: 240-156133-15

Matrix: Water Lab File ID: UXM39921.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:57

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 18:37

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41D-091421 Lab Sample ID: 240-156133-16

Matrix: Water Lab File ID: UXM39922.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:00

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 19:02

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41D-091421 Lab Sample ID: 240-156133-16

Matrix: Water Lab File ID: UXM39922.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:00

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 19:02

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41D-091421 Lab Sample ID: 240-156133-16

Matrix: Water Lab File ID: UXM39922.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:00

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 19:02

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.: 504389 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		56-136
1868-53-7	Dibromofluoromethane (Surr)	95		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		62-137
2037-26-5	Toluene-d8 (Surr)	94		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41D-091421 Lab Sample ID: 240-156133-16

Matrix: Water Lab File ID: UXM39922.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:00

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 19:02

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41D-091421 Lab Sample ID: 240-156133-16

Matrix: Water Lab File ID: UXM39922.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:00

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 19:02

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42A-091421 Lab Sample ID: 240-156133-17

Matrix: Water Lab File ID: UXM40039.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:39

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 14:07

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42A-091421 Lab Sample ID: 240-156133-17

Matrix: Water Lab File ID: UXM40039.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:39

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 14:07

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42A-091421 Lab Sample ID: 240-156133-17

Matrix: Water Lab File ID: UXM40039.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:39

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 14:07

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.: 505049 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		56-136
1868-53-7	Dibromofluoromethane (Surr)	92		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		62-137
2037-26-5	Toluene-d8 (Surr)	92		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42A-091421 Lab Sample ID: 240-156133-17

Matrix: Water Lab File ID: UXM40039.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:39

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 14:07

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42A-091421 Lab Sample ID: 240-156133-17

Matrix: Water Lab File ID: UXM40039.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:39

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 14:07

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42B-091421 Lab Sample ID: 240-156133-18

Matrix: Water Lab File ID: UXM40040.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:42

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 14:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42B-091421 Lab Sample ID: 240-156133-18

Matrix: Water Lab File ID: UXM40040.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:42

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 14:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42B-091421 Lab Sample ID: 240-156133-18

Matrix: Water Lab File ID: UXM40040.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:42

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 14:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		56-136
1868-53-7	Dibromofluoromethane (Surr)	109		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		62-137
2037-26-5	Toluene-d8 (Surr)	90		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42B-091421 Lab Sample ID: 240-156133-18

Matrix: Water Lab File ID: UXM40040.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:42

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 14:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42B-091421 Lab Sample ID: 240-156133-18

Matrix: Water Lab File ID: UXM40040.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:42

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 14:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42C-091421 Lab Sample ID: 240-156133-19

Matrix: Water Lab File ID: UXM40041.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:44

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 14:55

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42C-091421 Lab Sample ID: 240-156133-19

Matrix: Water Lab File ID: UXM40041.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:44

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 14:55

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42C-091421 Lab Sample ID: 240-156133-19

Matrix: Water Lab File ID: UXM40041.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:44

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 14:55

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.: 505049 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	102		56-136
1868-53-7	Dibromofluoromethane (Surr)	101		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42C-091421 Lab Sample ID: 240-156133-19

Matrix: Water Lab File ID: UXM40041.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:44

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 14:55

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42C-091421 Lab Sample ID: 240-156133-19

Matrix: Water Lab File ID: UXM40041.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:44

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 14:55

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42D-091421 Lab Sample ID: 240-156133-20

Matrix: Water Lab File ID: UXM40042.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:46

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42D-091421 Lab Sample ID: 240-156133-20

Matrix: Water Lab File ID: UXM40042.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:46

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42D-091421 Lab Sample ID: 240-156133-20

Matrix: Water Lab File ID: UXM40042.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:46

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 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.: 505049 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		56-136
1868-53-7	Dibromofluoromethane (Surr)	110		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		62-137
2037-26-5	Toluene-d8 (Surr)	92		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42D-091421 Lab Sample ID: 240-156133-20

Matrix: Water Lab File ID: UXM40042.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:46

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42D-091421 Lab Sample ID: 240-156133-20

Matrix: Water Lab File ID: UXM40042.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:46

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43A-091421 Lab Sample ID: 240-156133-21

Matrix: Water Lab File ID: UXM40043.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:35

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 15:43

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43A-091421 Lab Sample ID: 240-156133-21

Matrix: Water Lab File ID: UXM40043.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:35

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 15:43

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43A-091421 Lab Sample ID: 240-156133-21

Matrix: Water Lab File ID: UXM40043.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:35

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 15:43

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		56-136
1868-53-7	Dibromofluoromethane (Surr)	97		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		62-137
2037-26-5	Toluene-d8 (Surr)	94		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43A-091421 Lab Sample ID: 240-156133-21

Matrix: Water Lab File ID: UXM40043.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:35

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 15:43

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43A-091421 Lab Sample ID: 240-156133-21

Matrix: Water Lab File ID: UXM40043.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:35

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 15:43

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43B-091421 Lab Sample ID: 240-156133-22

Matrix: Water Lab File ID: UXM40044.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:38

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 16:08

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43B-091421 Lab Sample ID: 240-156133-22

Matrix: Water Lab File ID: UXM40044.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:38

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 16:08

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43B-091421 Lab Sample ID: 240-156133-22

Matrix: Water Lab File ID: UXM40044.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:38

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 16:08

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.: 505049 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		56-136
1868-53-7	Dibromofluoromethane (Surr)	109		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		62-137
2037-26-5	Toluene-d8 (Surr)	91		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43B-091421 Lab Sample ID: 240-156133-22

Matrix: Water Lab File ID: UXM40044.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:38

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 16:08

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43B-091421 Lab Sample ID: 240-156133-22

Matrix: Water Lab File ID: UXM40044.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:38

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 16:08

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43C-091421 Lab Sample ID: 240-156133-23

Matrix: Water Lab File ID: UXM40045.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:41

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 16:32

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43C-091421 Lab Sample ID: 240-156133-23

Matrix: Water Lab File ID: UXM40045.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:41

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 16:32

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43C-091421 Lab Sample ID: 240-156133-23

Matrix: Water Lab File ID: UXM40045.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:41

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 16:32

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.: 505049 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	102		56-136
1868-53-7	Dibromofluoromethane (Surr)	102		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		62-137
2037-26-5	Toluene-d8 (Surr)	91		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43C-091421 Lab Sample ID: 240-156133-23

Matrix: Water Lab File ID: UXM40045.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:41

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 16:32

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43C-091421 Lab Sample ID: 240-156133-23

Matrix: Water Lab File ID: UXM40045.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:41

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 16:32

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43D-091421 Lab Sample ID: 240-156133-24

Matrix: Water Lab File ID: UXM40046.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:44

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 16:56

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43D-091421 Lab Sample ID: 240-156133-24

Matrix: Water Lab File ID: UXM40046.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:44

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 16:56

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43D-091421 Lab Sample ID: 240-156133-24

Matrix: Water Lab File ID: UXM40046.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:44

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 16:56

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		56-136
1868-53-7	Dibromofluoromethane (Surr)	106		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		62-137
2037-26-5	Toluene-d8 (Surr)	92		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43D-091421 Lab Sample ID: 240-156133-24

Matrix: Water Lab File ID: UXM40046.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:44

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 16:56

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43D-091421 Lab Sample ID: 240-156133-24

Matrix: Water Lab File ID: UXM40046.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:44

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 16:56

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44A-091421 Lab Sample ID: 240-156133-25

Matrix: Water Lab File ID: UXM40047.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:20

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 17:21

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44A-091421 Lab Sample ID: 240-156133-25

Matrix: Water Lab File ID: UXM40047.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:20

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 17:21

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44A-091421 Lab Sample ID: 240-156133-25

Matrix: Water Lab File ID: UXM40047.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:20

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 17:21

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		56-136
1868-53-7	Dibromofluoromethane (Surr)	105		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44A-091421 Lab Sample ID: 240-156133-25

Matrix: Water Lab File ID: UXM40047.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:20

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 17:21

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44A-091421 Lab Sample ID: 240-156133-25

Matrix: Water Lab File ID: UXM40047.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:20

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 17:21

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44B-091421 Lab Sample ID: 240-156133-26

Matrix: Water Lab File ID: UXM40048.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:27

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 17:45

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44B-091421 Lab Sample ID: 240-156133-26

Matrix: Water Lab File ID: UXM40048.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:27

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 17:45

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44B-091421 Lab Sample ID: 240-156133-26

Matrix: Water Lab File ID: UXM40048.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:27

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 17:45

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.: 505049 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		56-136
1868-53-7	Dibromofluoromethane (Surr)	108		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44B-091421 Lab Sample ID: 240-156133-26

Matrix: Water Lab File ID: UXM40048.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:27

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 17:45

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44B-091421 Lab Sample ID: 240-156133-26

Matrix: Water Lab File ID: UXM40048.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:27

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 17:45

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44C-091421 Lab Sample ID: 240-156133-27

Matrix: Water Lab File ID: UXM40049.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:30

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 18:10

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44C-091421 Lab Sample ID: 240-156133-27

Matrix: Water Lab File ID: UXM40049.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:30

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 18:10

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44C-091421 Lab Sample ID: 240-156133-27

Matrix: Water Lab File ID: UXM40049.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:30

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 18:10

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.: 505049 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	101		56-136
1868-53-7	Dibromofluoromethane (Surr)	102		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		62-137
2037-26-5	Toluene-d8 (Surr)	92		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44C-091421 Lab Sample ID: 240-156133-27

Matrix: Water Lab File ID: UXM40049.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:30

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 18:10

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44C-091421 Lab Sample ID: 240-156133-27

Matrix: Water Lab File ID: UXM40049.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:30

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 18:10

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44D-091421 Lab Sample ID: 240-156133-28

Matrix: Water Lab File ID: UXM40050.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:32

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 18:35

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44D-091421 Lab Sample ID: 240-156133-28

Matrix: Water Lab File ID: UXM40050.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:32

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 18:35

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44D-091421 Lab Sample ID: 240-156133-28

Matrix: Water Lab File ID: UXM40050.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:32

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 18:35

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	97		56-136
1868-53-7	Dibromofluoromethane (Surr)	94		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44D-091421 Lab Sample ID: 240-156133-28

Matrix: Water Lab File ID: UXM40050.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:32

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 18:35

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44D-091421 Lab Sample ID: 240-156133-28

Matrix: Water Lab File ID: UXM40050.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:32

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 18:35

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: TB-091421 Lab Sample ID: 240-156133-29

Matrix: Water Lab File ID: UXM40051.D

Analysis Method: 8260C Date Collected: 09/14/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 18:59

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: TB-091421 Lab Sample ID: 240-156133-29

Matrix: Water Lab File ID: UXM40051.D

Analysis Method: 8260C Date Collected: 09/14/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 18:59

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: TB-091421 Lab Sample ID: 240-156133-29

Matrix: Water Lab File ID: UXM40051.D

Analysis Method: 8260C Date Collected: 09/14/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 18:59

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		56-136
1868-53-7	Dibromofluoromethane (Surr)	98		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		62-137
2037-26-5	Toluene-d8 (Surr)	94		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: TB-091421 Lab Sample ID: 240-156133-29

Matrix: Water Lab File ID: UXM40051.D

Analysis Method: 8260C Date Collected: 09/14/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 18:59

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: TB-091421 Lab Sample ID: 240-156133-29

Matrix: Water Lab File ID: UXM40051.D

Analysis Method: 8260C Date Collected: 09/14/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 18:59

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW46A-091421 Lab Sample ID: 240-156133-30

Matrix: Water Lab File ID: U1924258.d

Analysis Method: 8260C Date Collected: 09/14/2021 09:57

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 21:48

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.: 504290 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW46A-091421 Lab Sample ID: 240-156133-30

Matrix: Water Lab File ID: U1924258.d

Analysis Method: 8260C Date Collected: 09/14/2021 09:57

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 21:48

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.: 504290 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW46A-091421 Lab Sample ID: 240-156133-30

Matrix: Water Lab File ID: U1924258.d

Analysis Method: 8260C Date Collected: 09/14/2021 09:57

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 21:48

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.: 504290 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		56-136
1868-53-7	Dibromofluoromethane (Surr)	97		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		62-137
2037-26-5	Toluene-d8 (Surr)	97		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW46A-091421 Lab Sample ID: 240-156133-30

Matrix: Water Lab File ID: U1924258.d

Analysis Method: 8260C Date Collected: 09/14/2021 09:57

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 21:48

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.: 504290 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW46A-091421 Lab Sample ID: 240-156133-30

Matrix: Water Lab File ID: U1924258.d

Analysis Method: 8260C Date Collected: 09/14/2021 09:57

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 21:48

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.: 504290 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW47A-091421 Lab Sample ID: 240-156133-31

Matrix: Water Lab File ID: U1924259.d

Analysis Method: 8260C Date Collected: 09/14/2021 09:18

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 22:10

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.: 504290 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW47A-091421 Lab Sample ID: 240-156133-31

Matrix: Water Lab File ID: U1924259.d

Analysis Method: 8260C Date Collected: 09/14/2021 09:18

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 22:10

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.: 504290 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW47A-091421 Lab Sample ID: 240-156133-31

Matrix: Water Lab File ID: U1924259.d

Analysis Method: 8260C Date Collected: 09/14/2021 09:18

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 22:10

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.: 504290 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)	93		56-136
1868-53-7	Dibromofluoromethane (Surr)	99		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		62-137
2037-26-5	Toluene-d8 (Surr)	98		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW47A-091421 Lab Sample ID: 240-156133-31

Matrix: Water Lab File ID: U1924259.d

Analysis Method: 8260C Date Collected: 09/14/2021 09:18

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 22:10

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.: 504290 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW47A-091421 Lab Sample ID: 240-156133-31

Matrix: Water Lab File ID: U1924259.d

Analysis Method: 8260C Date Collected: 09/14/2021 09:18

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 22:10

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.: 504290 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW48A-091421 Lab Sample ID: 240-156133-32

Matrix: Water Lab File ID: U1924260.d

Analysis Method: 8260C Date Collected: 09/14/2021 09:03

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 22:32

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.: 504290 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW48A-091421 Lab Sample ID: 240-156133-32

Matrix: Water Lab File ID: U1924260.d

Analysis Method: 8260C Date Collected: 09/14/2021 09:03

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 22:32

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.: 504290 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW48A-091421 Lab Sample ID: 240-156133-32

Matrix: Water Lab File ID: U1924260.d

Analysis Method: 8260C Date Collected: 09/14/2021 09:03

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 22:32

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.: 504290 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)	93		56-136
1868-53-7	Dibromofluoromethane (Surr)	100		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		62-137
2037-26-5	Toluene-d8 (Surr)	98		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW48A-091421 Lab Sample ID: 240-156133-32

Matrix: Water Lab File ID: U1924260.d

Analysis Method: 8260C Date Collected: 09/14/2021 09:03

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 22:32

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.: 504290 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW48A-091421 Lab Sample ID: 240-156133-32

Matrix: Water Lab File ID: U1924260.d

Analysis Method: 8260C Date Collected: 09/14/2021 09:03

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 22:32

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.: 504290 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW49A-091421 Lab Sample ID: 240-156133-33

Matrix: Water Lab File ID: U1924261.d

Analysis Method: 8260C Date Collected: 09/14/2021 08:47

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 22:54

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.: 504290 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW49A-091421 Lab Sample ID: 240-156133-33

Matrix: Water Lab File ID: U1924261.d

Analysis Method: 8260C Date Collected: 09/14/2021 08:47

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 22:54

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.: 504290 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW49A-091421 Lab Sample ID: 240-156133-33

Matrix: Water Lab File ID: U1924261.d

Analysis Method: 8260C Date Collected: 09/14/2021 08:47

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 22:54

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.: 504290 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)	93		56-136
1868-53-7	Dibromofluoromethane (Surr)	98		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		62-137
2037-26-5	Toluene-d8 (Surr)	98		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW49A-091421 Lab Sample ID: 240-156133-33

Matrix: Water Lab File ID: U1924261.d

Analysis Method: 8260C Date Collected: 09/14/2021 08:47

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 22:54

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.: 504290 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW49A-091421 Lab Sample ID: 240-156133-33

Matrix: Water Lab File ID: U1924261.d

Analysis Method: 8260C Date Collected: 09/14/2021 08:47

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 22:54

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.: 504290 Units: ug/L

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

Appendix C

Support Documentation

ANALYTICAL REPORT

Job Number: 240-156133-1

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
9/27/2021 5:10 PM

Roxanne Cisneros, Senior Project Manager
4101 Shuffel Street NW, North Canton, OH, 44720
(615)301-5761
roxanne.cisneros@Eurofinset.com
09/27/2021

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of TestAmerica and its client. All questions regarding this report should be directed to the TestAmerica Project Manager who has signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

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

Baltimore
#201

40141

North Canton
4101 Shuffel Street, N. W.

North Canton, OH 44720
phone 330.497.9396 fax 330.497.0772

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Josh Mullis	Site Contact: Josh Mullis	Date: 9/14/2021	COC No:
Tetra Tech	Tel/Fax: 410-279-2700	Lab Contact: John McFadden	Carrier: Fedex	1 of 3 COCs
20251 Century Blvd, Suite 200	Analysis Turnaround Time			Job No.
Germantown, MD 20874	Calendar (C) or Work Days (W) _____			
(301) 528-3021 Phone	TAT if different from Below: STANDARD			SDG No.
(301) 528-3000 FAX	☐ 2 weeks			
Project Name: MSA Surface Water Sampling	☐ 1 week			
Site: MSA Frog Mortar Creek	☐ 2 days			Sampler: J Mullis
PO #1179752, 112IC09343	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	VOCs + Freon 113/22 + TIC (8260C)	Sample Specific Notes:
MSA-SW37A-091421	9/14/2021	0950	SW	Water	3		x	
MSA-SW37B-091421	9/14/2021	0953	SW	Water	3		x	
MSA-SW37C-091421	9/14/2021	0955	SW	Water	3		x	
MSA-SW37D-091421	9/14/2021	0958	SW	Water	3		x	
MSA-SW38A-091421	9/14/2021	0907	SW	Water	3		x	
MSA-SW38B-091421	9/14/2021	0911	SW	Water	3		x	
MSA-SW38C-091421	9/14/2021	0913	SW	Water	3		x	
MSA-SW38D-091421	9/14/2021	0915	SW	Water	3		x	
MSA-SW40A-091421	9/14/2021	0923	SW	Water	3		x	
MSA-SW40B-091421	9/14/2021	0927	SW	Water	3		x	
MSA-SW40C-091421	9/14/2021	0930	SW	Water	3		x	
MSA-SW40D-091421	9/14/2021	0932	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:
[signature]	Tetra Tech	9/14/21 1430	[signature]	FEDEX	9/14/21 1430
Relinquished by: [signature]	Company: FEDEX	Date/Time: 9/14/21 2000	Received by: [signature]	Company: TA	Date/Time: 9-15-21 1045
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: 9/14/2021	COC No:
Tetra Tech	Tel/Fax: 410-279-2700	Lab Contact: John McFadden	Carrier: Fedex	2 of 3 COCs
20251 Century Blvd, Suite 200	Analysis Turnaround Time			Job No.
Germantown, MD 20874	Calendar (C) or Work Days (W) _____			
(301) 528-3021 Phone	TAT if different from Below: STANDARD			
(301) 528-3000 FAX	☐ 2 weeks			SDG No.
Project Name: MSA Surface Water Sampling	☐ 1 week			
Site: MSA Frog Mortar Creek	☐ 2 days			
PO #1179752, 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-SW41A-091421	9/14/2021	0852	SW	Water	3		x	
MSA-SW41B-091421	9/14/2021	0855	SW	Water	3		x	
MSA-SW41C-091421	9/14/2021	0857	SW	Water	3		x	
MSA-SW41D-091421	9/14/2021	0900	SW	Water	3		x	
MSA-SW42A-091421	9/14/2021	0939	SW	Water	3		x	
MSA-SW42B-091421	9/14/2021	0942	SW	Water	3		x	
MSA-SW42C-091421	9/14/2021	0944	SW	Water	3		x	
MSA-SW42D-091421	9/14/2021	0946	SW	Water	3		x	
MSA-SW43A-091421	9/14/2021	0835	SW	Water	3		x	
MSA-SW43B-091421	9/14/2021	0838	SW	Water	3		x	
MSA-SW43C-091421	9/14/2021	0841	SW	Water	3		x	
MSA-SW43D-091421	9/14/2021	0844	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:
[signature]	Tetra Tech	9/14/21 1430	[signature]	TA Balt	9/14/21 1430
[signature]	TA Balt	9/14/21 1200	[signature]	TA	9-15-21 1045

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: 9/14/2021	COC No:
Tetra Tech	Tel/Fax: 410-279-2700	Lab Contact: John McFadden	Carrier: Fedex	3 of 3 COCs
20251 Century Blvd, Suite 200	Analysis Turnaround Time			Job No.
Germantown, MD 20874	Calendar (C) or Work Days (W) _____			
(301) 528-3021 Phone	TAT if different from Below: STANDARD			
(301) 528-3000 FAX	☐ 2 weeks			SDG No.
Project Name: MSA Surface Water Sampling	☐ 1 week			
Site: MSA Frog Mortar Creek	☐ 2 days			
PO #1179752, 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-091421	9/14/2021	0820	SW	Water	3		x	
MSA-SW44B-091421	9/14/2021	0827	SW	Water	3		x	
MSA-SW44C-091421	9/14/2021	0830	SW	Water	3		x	
MSA-SW44D-091421	9/14/2021	0832	SW	Water	3		x	
TB-091421	9/14/2021	0000	SW	Water	2		x	
MSA-SW46A-091421	9/14/2021	0937	SW	Water	3		x	
MSA-SW47A-091421	9/14/2021	0918	SW	Water	3		x	
MSA-SW48A-091421	9/14/2021	0903	SW	Water	3		x	
MSA-SW49A-091421	9/14/2021	0847	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:
[signature]	Tetra Tech	9/14/21/1430	[signature]	BTABalt	9/14/21 1430
[signature]	BTABalt	9/14/21 1700	[signature]	TA	9-15-21 1045

Form No. CA-C-WI-002, Rev. 2, dated 03/06/2012

Eurofins TestAmerica Canton Sample Receipt Form/Narrative **Login # : 15C133**
Canton Facility

Client Tetra Tech Site Name _____ Cooler unpacked by: Brandon

Cooler Received on 9-15-21 Opened on 9-15-21

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. 4.0 °C Corrected Cooler Temp. 4.1 °C

IR GUN #IR-12 (CF +0.2°C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity _____	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3. Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4. Did custody papers accompany the sample(s)?	(Yes)	No
5. Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes)	No
7. Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp(Y/N)?	(Y)	N
10. Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11. Sufficient quantity received to perform indicated analyses?	(Yes)	No
12. Are these work share samples and all listed on the COC?	Yes	(No)
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	Yes No	(NA) pH Strip Lot# HC157842
14. Were VOAs on the COC?	(Yes)	No
15. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this.	(Yes)	No NA
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	(Yes)	No
17. Was a LL Hg or Me Hg trip blank present? _____	Yes	(No)

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) MSA-SW38D-091421 were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

VOA Sample Preservation - Date/Time VOAs Frozen: _____

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
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

Comments
No additional comments.

Receipt
The samples were received on 9/15/2021 10:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.1º C.

GC/MS VOA
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-091421 (240-156133-1), MSA-SW37B-091421 (240-156133-2), MSA-SW37C-091421 (240-156133-3), MSA-SW37D-091421 (240-156133-4), MSA-SW38A-091421 (240-156133-5), MSA-SW38B-091421 (240-156133-6), MSA-SW38C-091421 (240-156133-7), MSA-SW38D-091421 (240-156133-8), MSA-SW40A-091421 (240-156133-9), MSA-SW40B-091421 (240-156133-10), MSA-SW40C-091421 (240-156133-11), MSA-SW40D-091421 (240-156133-12), MSA-SW41A-091421 (240-156133-13), MSA-SW41B-091421 (240-156133-14), MSA-SW41C-091421 (240-156133-15), MSA-SW41D-091421 (240-156133-16), MSA-SW42A-091421 (240-156133-17), MSA-SW42B-091421 (240-156133-18), MSA-SW42C-091421 (240-156133-19), MSA-SW42D-091421 (240-156133-20), MSA-SW43A-091421 (240-156133-21), MSA-SW43B-091421 (240-156133-22), MSA-SW43C-091421 (240-156133-23), MSA-SW43D-091421 (240-156133-24), MSA-SW44A-091421 (240-156133-25), MSA-SW44B-091421 (240-156133-26), MSA-SW44C-091421 (240-156133-27), MSA-SW44D-091421 (240-156133-28), TB-091421 (240-156133-29), MSA-SW46A-091421 (240-156133-30), MSA-SW47A-091421 (240-156133-31), MSA-SW48A-091421 (240-156133-32) and MSA-SW49A-091421 (240-156133-33). The requested target analyte list includes an acid-labile compound that degrades in an acidic medium.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 240-504263 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-091421 (240-156133-1), MSA-SW37B-091421 (240-156133-2), MSA-SW37C-091421 (240-156133-3), MSA-SW37D-091421 (240-156133-4), MSA-SW38A-091421 (240-156133-5), MSA-SW38B-091421 (240-156133-6), MSA-SW38C-091421 (240-156133-7) and (CCVIS 240-504263/3)

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 240-504290 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 240-504389 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-SW38D-091421 (240-156133-8), MSA-SW40A-091421 (240-156133-9), MSA-SW40B-091421 (240-156133-10), MSA-SW40C-091421 (240-156133-11), MSA-SW40D-091421 (240-156133-12), MSA-SW41A-091421 (240-156133-13), MSA-SW41B-091421 (240-156133-14), MSA-SW41C-091421 (240-156133-15), MSA-SW41D-091421 (240-156133-16) and (CCVIS 240-504389/3)

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 240-505049 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.

Method 8260C: The laboratory control sample (LCS) for analytical batch 240-504389 recovered outside control limits for the following analyte(s): 2-Methyl-2-propanol. 2-Methyl-2-propanol has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified. MSA-SW38D-091421 (240-156133-8), MSA-SW40A-091421 (240-156133-9), MSA-SW40B-091421 (240-156133-10), MSA-SW40C-091421 (240-156133-11), MSA-SW40D-091421 (240-156133-12), MSA-SW41A-091421 (240-156133-13), MSA-SW41B-091421 (240-156133-14), MSA-SW41C-091421 (240-156133-15), MSA-SW41D-091421 (240-156133-16) and (LCS 240-504389/5)

Method 8260C: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 240-504263 recovered outside control limits for the following analyte(s): 2-Methyl-2-propanol. 2-Methyl-2-propanol has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8260C: The laboratory control sample (LCS) for analytical batch 240-505049 recovered outside control limits for the following analyte(s): 2-Methyl-2-propanol. 2-Methyl-2-propanol has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

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

VOA Prep

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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-091421	240-156133-1	93	95	94	99
MSA-SW37B-091421	240-156133-2	90	93	93	98
MSA-SW37C-091421	240-156133-3	95	95	94	99
MSA-SW37D-091421	240-156133-4	99	101	100	105
MSA-SW38A-091421	240-156133-5	91	96	95	100
MSA-SW38B-091421	240-156133-6	91	94	95	99
MSA-SW38C-091421	240-156133-7	94	95	93	100
MSA-SW38D-091421	240-156133-8	93	96	96	104
MSA-SW40A-091421	240-156133-9	99	98	92	101
MSA-SW40B-091421	240-156133-10	92	94	93	100
MSA-SW40C-091421	240-156133-11	95	96	95	102
MSA-SW40D-091421	240-156133-12	105	100	95	105
MSA-SW41A-091421	240-156133-13	97	95	92	100
MSA-SW41B-091421	240-156133-14	103	99	93	102
MSA-SW41C-091421	240-156133-15	108	99	94	105
MSA-SW41D-091421	240-156133-16	95	95	94	103
MSA-SW42A-091421	240-156133-17	92	94	92	99
MSA-SW42B-091421	240-156133-18	109	100	90	103
MSA-SW42C-091421	240-156133-19	101	98	93	102
MSA-SW42D-091421	240-156133-20	110	102	92	105
MSA-SW43A-091421	240-156133-21	97	97	94	99
MSA-SW43B-091421	240-156133-22	109	101	91	104
MSA-SW43C-091421	240-156133-23	102	98	91	102
MSA-SW43D-091421	240-156133-24	106	100	92	103
MSA-SW44A-091421	240-156133-25	105	99	93	103
MSA-SW44B-091421	240-156133-26	108	103	93	103
MSA-SW44C-091421	240-156133-27	102	101	92	101
MSA-SW44D-091421	240-156133-28	94	96	93	97
TB-091421	240-156133-29	98	98	94	99
MSA-SW46A-091421	240-156133-30	97	93	97	92
MSA-SW47A-091421	240-156133-31	99	96	98	93
MSA-SW48A-091421	240-156133-32	100	94	98	93
MSA-SW49A-091421	240-156133-33	98	94	98	93
	MB 240-504263/8	99	96	94	102
	MB 240-504290/10	96	92	98	94

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	73-120
DCA = 1,2-Dichloroethane-d4 (Surr)	62-137
TOL = Toluene-d8 (Surr)	78-122
BFB = 4-Bromofluorobenzene (Surr)	56-136

Column to be used to flag recovery values

FORM II 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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 240-504389/8	91	93	95	99
	MB 240-505049/8	101	99	95	103
	LCS 240-504263/5	95	93	95	101
	LCS 240-504290/6	96	89	101	103
	LCS 240-504389/5	90	91	95	101
	LCS 240-505049/5	92	92	94	101

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	73-120
DCA = 1,2-Dichloroethane-d4 (Surr)	62-137
TOL = Toluene-d8 (Surr)	78-122
BFB = 4-Bromofluorobenzene (Surr)	56-136

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UXM39873.D

Lab ID: LCS 240-504263/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	40.0	45.1	113	50-149	
Benzene	20.0	21.7	109	77-123	
Bromobenzene	20.0	21.1	105	80-122	
Bromochloromethane	20.0	21.2	106	71-121	
Bromodichloromethane	20.0	19.5	98	69-126	
Bromoform	20.0	18.4	92	57-129	
Bromomethane	20.0	16.8	84	36-142	
2-Butanone	40.0	45.1	113	54-156	
Carbon disulfide	20.0	20.9	104	43-140	
Carbon tetrachloride	20.0	21.3	107	55-137	
Chlorobenzene	20.0	21.3	107	80-121	
Chloroethane	20.0	18.2	91	38-152	
2-Chloroethyl vinyl ether	20.0	14.0	70	40-157	
Chloroform	20.0	21.1	105	74-122	
Chloromethane	20.0	15.1	76	47-143	
2-Chlorotoluene	20.0	21.1	105	79-124	
4-Chlorotoluene	20.0	21.4	107	80-125	
cis-1,2-Dichloroethene	20.0	21.0	105	77-123	
cis-1,3-Dichloropropene	20.0	19.7	99	64-130	
Dibromochloromethane	20.0	19.6	98	70-124	
1,2-Dibromo-3-Chloropropane	20.0	17.0	85	53-135	
1,2-Dibromoethane	20.0	22.4	112	71-134	
Dibromomethane	20.0	20.6	103	67-131	
1,2-Dichlorobenzene	20.0	20.8	104	78-120	
1,3-Dichlorobenzene	20.0	21.1	105	80-120	
1,4-Dichlorobenzene	20.0	21.4	107	80-120	
Dichlorodifluoromethane	20.0	18.7	94	34-153	
1,1-Dichloroethane	20.0	19.5	97	72-127	
1,2-Dichloroethane	20.0	21.2	106	66-128	
1,1-Dichloroethene	20.0	23.2	116	63-134	
1,2-Dichloropropane	20.0	21.0	105	75-133	
1,3-Dichloropropane	20.0	21.7	108	68-139	
2,2-Dichloropropane	20.0	13.5	68	48-142	
1,1-Dichloropropene	20.0	22.4	112	71-124	
Ethylbenzene	20.0	21.4	107	80-121	
Hexachlorobutadiene	20.0	20.3	102	37-162	
2-Hexanone	40.0	34.5	86	43-167	
Isopropylbenzene	20.0	21.6	108	74-128	
Methylene Chloride	20.0	21.5	107	71-125	
4-Methyl-2-pentanone	40.0	35.3	88	46-158	
Methyl tert-butyl ether	20.0	19.9	99	65-126	
m-Xylene & p-Xylene	20.0	21.2	106	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UXM39873.D

Lab ID: LCS 240-504263/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	20.0	18.3	92	53-138	
n-Butylbenzene	20.0	20.3	101	62-139	
n-Propylbenzene	20.0	20.7	104	76-127	
o-Xylene	20.0	21.5	107	80-123	
p-Isopropyltoluene	20.0	21.1	105	71-132	
sec-Butylbenzene	20.0	21.0	105	69-135	
Styrene	20.0	23.2	116	80-135	
tert-Butyl alcohol	200	63.5	32	33-153	*-
tert-Butylbenzene	20.0	20.9	104	64-134	
1,1,1,2-Tetrachloroethane	20.0	21.8	109	71-124	
1,1,2,2-Tetrachloroethane	20.0	20.9	104	58-157	
Tetrachloroethene	20.0	22.4	112	76-123	
Toluene	20.0	21.0	105	80-123	
trans-1,2-Dichloroethene	20.0	21.1	105	75-124	
trans-1,3-Dichloropropene	20.0	19.2	96	57-129	
1,2,3-Trichlorobenzene	20.0	18.6	93	45-149	
1,2,4-Trichlorobenzene	20.0	19.0	95	44-147	
1,1,1-Trichloroethane	20.0	21.5	108	64-131	
Trichloroethene	20.0	22.5	113	70-122	
Trichlorofluoromethane	20.0	21.6	108	30-170	
1,2,3-Trichloropropane	20.0	21.5	107	57-150	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	25.4	127	51-146	
1,2,4-Trimethylbenzene	20.0	20.9	105	77-129	
Vinyl acetate	20.0	17.8	89	44-145	
Vinyl chloride	20.0	16.1	81	60-144	
Xylenes, Total	40.0	42.7	107	80-121	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1924234.d

Lab ID: LCS 240-504290/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	40.0	31.6	79	50-149	
Benzene	20.0	18.5	93	77-123	
Bromobenzene	20.0	19.3	97	80-122	
Bromochloromethane	20.0	15.9	80	71-121	
Bromodichloromethane	20.0	16.5	82	69-126	
Bromoform	20.0	17.5	88	57-129	
Bromomethane	20.0	20.3	102	36-142	
2-Butanone	40.0	35.6	89	54-156	
Carbon disulfide	20.0	16.1	80	43-140	
Carbon tetrachloride	20.0	18.7	94	55-137	
Chlorobenzene	20.0	19.7	98	80-121	
Chloroethane	20.0	20.6	103	38-152	
2-Chloroethyl vinyl ether	20.0	15.6	78	40-157	
Chloroform	20.0	18.3	92	74-122	
Chloromethane	20.0	15.5	78	47-143	
2-Chlorotoluene	20.0	18.7	94	79-124	
4-Chlorotoluene	20.0	18.4	92	80-125	
cis-1,2-Dichloroethene	20.0	17.8	89	77-123	
cis-1,3-Dichloropropene	20.0	15.0	75	64-130	
Dibromochloromethane	20.0	18.1	91	70-124	
1,2-Dibromo-3-Chloropropane	20.0	14.5	72	53-135	
1,2-Dibromoethane	20.0	19.0	95	71-134	
Dibromomethane	20.0	18.5	93	67-131	
1,2-Dichlorobenzene	20.0	19.0	95	78-120	
1,3-Dichlorobenzene	20.0	19.0	95	80-120	
1,4-Dichlorobenzene	20.0	19.0	95	80-120	
Dichlorodifluoromethane	20.0	21.5	107	34-153	
1,1-Dichloroethane	20.0	17.2	86	72-127	
1,2-Dichloroethane	20.0	16.7	83	66-128	
1,1-Dichloroethene	20.0	17.9	90	63-134	
1,2-Dichloropropane	20.0	17.5	87	75-133	
1,3-Dichloropropane	20.0	19.7	98	68-139	
2,2-Dichloropropane	20.0	16.3	81	48-142	
1,1-Dichloropropene	20.0	18.1	91	71-124	
Ethylbenzene	20.0	19.5	97	80-121	
Hexachlorobutadiene	20.0	16.4	82	37-162	
2-Hexanone	40.0	31.4	79	43-167	
Isopropylbenzene	20.0	19.4	97	74-128	
Methylene Chloride	20.0	16.7	83	71-125	
4-Methyl-2-pentanone	40.0	29.1	73	46-158	
Methyl tert-butyl ether	20.0	15.9	79	65-126	
m-Xylene & p-Xylene	20.0	19.6	98	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1924234.d

Lab ID: LCS 240-504290/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	20.0	15.1	76	53-138	
n-Butylbenzene	20.0	17.0	85	62-139	
n-Propylbenzene	20.0	19.0	95	76-127	
o-Xylene	20.0	19.1	95	80-123	
p-Isopropyltoluene	20.0	18.2	91	71-132	
sec-Butylbenzene	20.0	18.7	94	69-135	
Styrene	20.0	18.7	94	80-135	
tert-Butyl alcohol	200	130	65	33-153	
tert-Butylbenzene	20.0	18.3	92	64-134	
1,1,1,2-Tetrachloroethane	20.0	18.4	92	71-124	
1,1,2,2-Tetrachloroethane	20.0	18.7	94	58-157	
Tetrachloroethene	20.0	20.9	104	76-123	
Toluene	20.0	19.7	98	80-123	
trans-1,2-Dichloroethene	20.0	17.1	86	75-124	
trans-1,3-Dichloropropene	20.0	15.7	79	57-129	
1,2,3-Trichlorobenzene	20.0	16.6	83	45-149	
1,2,4-Trichlorobenzene	20.0	15.7	79	44-147	
1,1,1-Trichloroethane	20.0	18.1	90	64-131	
Trichloroethene	20.0	18.7	93	70-122	
Trichlorofluoromethane	20.0	22.7	114	30-170	
1,2,3-Trichloropropane	20.0	18.8	94	57-150	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	21.8	109	51-146	
1,2,4-Trimethylbenzene	20.0	18.8	94	77-129	
Vinyl acetate	20.0	10.5	53	44-145	
Vinyl chloride	20.0	17.3	87	60-144	
Xylenes, Total	40.0	38.7	97	80-121	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UXM39903.D

Lab ID: LCS 240-504389/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	40.0	47.4	119	50-149	
Benzene	20.0	21.6	108	77-123	
Bromobenzene	20.0	21.2	106	80-122	
Bromochloromethane	20.0	20.0	100	71-121	
Bromodichloromethane	20.0	19.2	96	69-126	
Bromoform	20.0	18.7	93	57-129	
Bromomethane	20.0	16.7	83	36-142	
2-Butanone	40.0	47.8	120	54-156	
Carbon disulfide	20.0	20.4	102	43-140	
Carbon tetrachloride	20.0	20.7	103	55-137	
Chlorobenzene	20.0	21.5	108	80-121	
Chloroethane	20.0	18.0	90	38-152	
2-Chloroethyl vinyl ether	20.0	8.32 J	42	40-157	
Chloroform	20.0	20.3	102	74-122	
Chloromethane	20.0	15.1	75	47-143	
2-Chlorotoluene	20.0	20.8	104	79-124	
4-Chlorotoluene	20.0	21.4	107	80-125	
cis-1,2-Dichloroethene	20.0	20.0	100	77-123	
cis-1,3-Dichloropropene	20.0	20.0	100	64-130	
Dibromochloromethane	20.0	20.1	100	70-124	
1,2-Dibromo-3-Chloropropane	20.0	17.6	88	53-135	
1,2-Dibromoethane	20.0	22.7	114	71-134	
Dibromomethane	20.0	19.8	99	67-131	
1,2-Dichlorobenzene	20.0	20.7	103	78-120	
1,3-Dichlorobenzene	20.0	21.1	106	80-120	
1,4-Dichlorobenzene	20.0	21.1	106	80-120	
Dichlorodifluoromethane	20.0	18.1	90	34-153	
1,1-Dichloroethane	20.0	18.2	91	72-127	
1,2-Dichloroethane	20.0	20.5	103	66-128	
1,1-Dichloroethene	20.0	21.6	108	63-134	
1,2-Dichloropropane	20.0	21.2	106	75-133	
1,3-Dichloropropane	20.0	22.1	111	68-139	
2,2-Dichloropropane	20.0	11.9	60	48-142	
1,1-Dichloropropene	20.0	22.3	111	71-124	
Ethylbenzene	20.0	21.1	106	80-121	
Hexachlorobutadiene	20.0	20.3	101	37-162	
2-Hexanone	40.0	40.6	102	43-167	
Isopropylbenzene	20.0	21.3	106	74-128	
Methylene Chloride	20.0	20.6	103	71-125	
4-Methyl-2-pentanone	40.0	40.0	100	46-158	
Methyl tert-butyl ether	20.0	20.0	100	65-126	
m-Xylene & p-Xylene	20.0	21.0	105	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UXM39903.D

Lab ID: LCS 240-504389/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	20.0	18.6	93	53-138	
n-Butylbenzene	20.0	20.2	101	62-139	
n-Propylbenzene	20.0	20.9	104	76-127	
o-Xylene	20.0	21.2	106	80-123	
p-Isopropyltoluene	20.0	21.1	106	71-132	
sec-Butylbenzene	20.0	20.9	104	69-135	
Styrene	20.0	22.9	115	80-135	
tert-Butyl alcohol	200	50.2	25	33-153	*-
tert-Butylbenzene	20.0	20.9	104	64-134	
1,1,1,2-Tetrachloroethane	20.0	22.0	110	71-124	
1,1,2,2-Tetrachloroethane	20.0	21.8	109	58-157	
Tetrachloroethene	20.0	22.5	112	76-123	
Toluene	20.0	21.0	105	80-123	
trans-1,2-Dichloroethene	20.0	20.5	103	75-124	
trans-1,3-Dichloropropene	20.0	19.7	99	57-129	
1,2,3-Trichlorobenzene	20.0	18.7	94	45-149	
1,2,4-Trichlorobenzene	20.0	18.8	94	44-147	
1,1,1-Trichloroethane	20.0	20.6	103	64-131	
Trichloroethene	20.0	22.3	112	70-122	
Trichlorofluoromethane	20.0	21.1	105	30-170	
1,2,3-Trichloropropane	20.0	22.3	112	57-150	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	23.7	119	51-146	
1,2,4-Trimethylbenzene	20.0	20.7	104	77-129	
Vinyl acetate	20.0	23.6	118	44-145	
Vinyl chloride	20.0	16.0	80	60-144	
Xylenes, Total	40.0	42.2	106	80-121	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UXM40034.D

Lab ID: LCS 240-505049/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	40.0	43.5	109	50-149	
Benzene	20.0	20.4	102	77-123	
Bromobenzene	20.0	19.3	97	80-122	
Bromochloromethane	20.0	19.2	96	71-121	
Bromodichloromethane	20.0	18.1	90	69-126	
Bromoform	20.0	17.0	85	57-129	
Bromomethane	20.0	17.9	90	36-142	
2-Butanone	40.0	40.8	102	54-156	
Carbon disulfide	20.0	19.3	97	43-140	
Carbon tetrachloride	20.0	20.1	101	55-137	
Chlorobenzene	20.0	20.1	101	80-121	
Chloroethane	20.0	19.0	95	38-152	
2-Chloroethyl vinyl ether	20.0	13.3	66	40-157	
Chloroform	20.0	19.3	97	74-122	
Chloromethane	20.0	16.1	80	47-143	
2-Chlorotoluene	20.0	19.3	97	79-124	
4-Chlorotoluene	20.0	19.3	97	80-125	
cis-1,2-Dichloroethene	20.0	19.2	96	77-123	
cis-1,3-Dichloropropene	20.0	18.4	92	64-130	
Dibromochloromethane	20.0	18.2	91	70-124	
1,2-Dibromo-3-Chloropropane	20.0	14.7	74	53-135	
1,2-Dibromoethane	20.0	20.9	104	71-134	
Dibromomethane	20.0	19.3	97	67-131	
1,2-Dichlorobenzene	20.0	18.8	94	78-120	
1,3-Dichlorobenzene	20.0	19.3	97	80-120	
1,4-Dichlorobenzene	20.0	19.8	99	80-120	
Dichlorodifluoromethane	20.0	17.8	89	34-153	
1,1-Dichloroethane	20.0	17.7	88	72-127	
1,2-Dichloroethane	20.0	19.4	97	66-128	
1,1-Dichloroethene	20.0	20.8	104	63-134	
1,2-Dichloropropane	20.0	19.8	99	75-133	
1,3-Dichloropropane	20.0	20.1	101	68-139	
2,2-Dichloropropane	20.0	12.1	60	48-142	
1,1-Dichloropropene	20.0	21.0	105	71-124	
Ethylbenzene	20.0	20.0	100	80-121	
Hexachlorobutadiene	20.0	18.9	95	37-162	
2-Hexanone	40.0	35.2	88	43-167	
Isopropylbenzene	20.0	20.0	100	74-128	
Methylene Chloride	20.0	19.6	98	71-125	
4-Methyl-2-pentanone	40.0	35.1	88	46-158	
Methyl tert-butyl ether	20.0	18.6	93	65-126	
m-Xylene & p-Xylene	20.0	19.8	99	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UXM40034.D

Lab ID: LCS 240-505049/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	20.0	15.9	79	53-138	
n-Butylbenzene	20.0	18.6	93	62-139	
n-Propylbenzene	20.0	19.5	97	76-127	
o-Xylene	20.0	19.9	100	80-123	
p-Isopropyltoluene	20.0	19.6	98	71-132	
sec-Butylbenzene	20.0	19.3	96	69-135	
Styrene	20.0	21.2	106	80-135	
tert-Butyl alcohol	200	45.3	23	33-153	*-
tert-Butylbenzene	20.0	19.3	96	64-134	
1,1,1,2-Tetrachloroethane	20.0	20.5	102	71-124	
1,1,2,2-Tetrachloroethane	20.0	19.1	95	58-157	
Tetrachloroethene	20.0	21.0	105	76-123	
Toluene	20.0	19.6	98	80-123	
trans-1,2-Dichloroethene	20.0	19.8	99	75-124	
trans-1,3-Dichloropropene	20.0	17.8	89	57-129	
1,2,3-Trichlorobenzene	20.0	16.7	84	45-149	
1,2,4-Trichlorobenzene	20.0	16.9	85	44-147	
1,1,1-Trichloroethane	20.0	19.7	99	64-131	
Trichloroethene	20.0	21.4	107	70-122	
Trichlorofluoromethane	20.0	22.9	115	30-170	
1,2,3-Trichloropropane	20.0	20.5	103	57-150	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	23.4	117	51-146	
1,2,4-Trimethylbenzene	20.0	19.0	95	77-129	
Vinyl acetate	20.0	19.8	99	44-145	
Vinyl chloride	20.0	17.4	87	60-144	
Xylenes, Total	40.0	39.7	99	80-121	

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.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab File ID: UXM39876.D Lab Sample ID: MB 240-504263/8

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

Instrument ID: A3UX16 Date Analyzed: 09/18/2021 12:18

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 240-504263/5	UXM39873.D	09/18/2021 11:04
MSA-SW37A-091421	240-156133-1	UXM39890.D	09/18/2021 18:04
MSA-SW37B-091421	240-156133-2	UXM39891.D	09/18/2021 18:29
MSA-SW37C-091421	240-156133-3	UXM39892.D	09/18/2021 18:53
MSA-SW37D-091421	240-156133-4	UXM39893.D	09/18/2021 19:18
MSA-SW38A-091421	240-156133-5	UXM39894.D	09/18/2021 19:43
MSA-SW38B-091421	240-156133-6	UXM39895.D	09/18/2021 20:07
MSA-SW38C-091421	240-156133-7	UXM39896.D	09/18/2021 20:32

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab File ID: U1924238.d Lab Sample ID: MB 240-504290/10

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

Instrument ID: A3UX19 Date Analyzed: 09/18/2021 14:24

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 240-504290/6	U1924234.d	09/18/2021 12:55
MSA-SW46A-091421	240-156133-30	U1924258.d	09/18/2021 21:48
MSA-SW47A-091421	240-156133-31	U1924259.d	09/18/2021 22:10
MSA-SW48A-091421	240-156133-32	U1924260.d	09/18/2021 22:32
MSA-SW49A-091421	240-156133-33	U1924261.d	09/18/2021 22:54

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab File ID: UXM39906.D Lab Sample ID: MB 240-504389/8

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

Instrument ID: A3UX16 Date Analyzed: 09/20/2021 12:26

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 240-504389/5	UXM39903.D	09/20/2021 11:12
MSA-SW38D-091421	240-156133-8	UXM39914.D	09/20/2021 15:44
MSA-SW40A-091421	240-156133-9	UXM39915.D	09/20/2021 16:09
MSA-SW40B-091421	240-156133-10	UXM39916.D	09/20/2021 16:34
MSA-SW40C-091421	240-156133-11	UXM39917.D	09/20/2021 16:58
MSA-SW40D-091421	240-156133-12	UXM39918.D	09/20/2021 17:23
MSA-SW41A-091421	240-156133-13	UXM39919.D	09/20/2021 17:48
MSA-SW41B-091421	240-156133-14	UXM39920.D	09/20/2021 18:13
MSA-SW41C-091421	240-156133-15	UXM39921.D	09/20/2021 18:37
MSA-SW41D-091421	240-156133-16	UXM39922.D	09/20/2021 19:02

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab File ID: UXM40037.D Lab Sample ID: MB 240-505049/8

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

Instrument ID: A3UX16 Date Analyzed: 09/23/2021 13:18

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 240-505049/5	UXM40034.D	09/23/2021 12:04
MSA-SW42A-091421	240-156133-17	UXM40039.D	09/23/2021 14:07
MSA-SW42B-091421	240-156133-18	UXM40040.D	09/23/2021 14:31
MSA-SW42C-091421	240-156133-19	UXM40041.D	09/23/2021 14:55
MSA-SW42D-091421	240-156133-20	UXM40042.D	09/23/2021 15:19
MSA-SW43A-091421	240-156133-21	UXM40043.D	09/23/2021 15:43
MSA-SW43B-091421	240-156133-22	UXM40044.D	09/23/2021 16:08
MSA-SW43C-091421	240-156133-23	UXM40045.D	09/23/2021 16:32
MSA-SW43D-091421	240-156133-24	UXM40046.D	09/23/2021 16:56
MSA-SW44A-091421	240-156133-25	UXM40047.D	09/23/2021 17:21
MSA-SW44B-091421	240-156133-26	UXM40048.D	09/23/2021 17:45
MSA-SW44C-091421	240-156133-27	UXM40049.D	09/23/2021 18:10
MSA-SW44D-091421	240-156133-28	UXM40050.D	09/23/2021 18:35
TB-091421	240-156133-29	UXM40051.D	09/23/2021 18:59

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab File ID: BFB1369.D BFB Injection Date: 09/18/2021

Instrument ID: A3UX16 BFB Injection Time: 09:50

Analysis Batch No.: 504263

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.5	
75	30.0 - 60.0 % of mass 95	48.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.6	(0.8) 1
174	Greater than 50% of mass 95	74.4	
175	5.0 - 9.0 % of mass 174	5.3	(7.2) 1
176	95.0 - 101.0 % of mass 174	71.2	(95.7) 1
177	5.0 - 9.0 % of mass 176	4.8	(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
	CCVIS 240-504263/3	UXM39871.D	09/18/2021	10:15
	CCV 240-504263/4	UXM39872.D	09/18/2021	10:39
	LCS 240-504263/5	UXM39873.D	09/18/2021	11:04
	MB 240-504263/8	UXM39876.D	09/18/2021	12:18
MSA-SW37A-091421	240-156133-1	UXM39890.D	09/18/2021	18:04
MSA-SW37B-091421	240-156133-2	UXM39891.D	09/18/2021	18:29
MSA-SW37C-091421	240-156133-3	UXM39892.D	09/18/2021	18:53
MSA-SW37D-091421	240-156133-4	UXM39893.D	09/18/2021	19:18
MSA-SW38A-091421	240-156133-5	UXM39894.D	09/18/2021	19:43
MSA-SW38B-091421	240-156133-6	UXM39895.D	09/18/2021	20:07
MSA-SW38C-091421	240-156133-7	UXM39896.D	09/18/2021	20:32

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab File ID: BFB1370.D BFB Injection Date: 09/20/2021

Instrument ID: A3UX16 BFB Injection Time: 09:58

Analysis Batch No.: 504389

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.9	
75	30.0 - 60.0 % of mass 95	48.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.5	(0.7) 1
174	Greater than 50% of mass 95	75.8	
175	5.0 - 9.0 % of mass 174	5.6	(7.5) 1
176	95.0 - 101.0 % of mass 174	72.5	(95.7) 1
177	5.0 - 9.0 % of mass 176	4.9	(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
	CCVIS 240-504389/3	UXM39901.D	09/20/2021	10:23
	CCV 240-504389/4	UXM39902.D	09/20/2021	10:47
	LCS 240-504389/5	UXM39903.D	09/20/2021	11:12
	MB 240-504389/8	UXM39906.D	09/20/2021	12:26
MSA-SW38D-091421	240-156133-8	UXM39914.D	09/20/2021	15:44
MSA-SW40A-091421	240-156133-9	UXM39915.D	09/20/2021	16:09
MSA-SW40B-091421	240-156133-10	UXM39916.D	09/20/2021	16:34
MSA-SW40C-091421	240-156133-11	UXM39917.D	09/20/2021	16:58
MSA-SW40D-091421	240-156133-12	UXM39918.D	09/20/2021	17:23
MSA-SW41A-091421	240-156133-13	UXM39919.D	09/20/2021	17:48
MSA-SW41B-091421	240-156133-14	UXM39920.D	09/20/2021	18:13
MSA-SW41C-091421	240-156133-15	UXM39921.D	09/20/2021	18:37
MSA-SW41D-091421	240-156133-16	UXM39922.D	09/20/2021	19:02

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab File ID: BFB1373.D BFB Injection Date: 09/23/2021

Instrument ID: A3UX16 BFB Injection Time: 10:50

Analysis Batch No.: 505049

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.7	
75	30.0 - 60.0 % of mass 95	48.1	
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	0.5	(0.7) 1
174	Greater than 50% of mass 95	75.2	
175	5.0 - 9.0 % of mass 174	5.4	(7.1) 1
176	95.0 - 101.0 % of mass 174	71.9	(95.7) 1
177	5.0 - 9.0 % of mass 176	4.6	(6.4) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-505049/3	UXM40032.D	09/23/2021	11:14
	CCV 240-505049/4	UXM40033.D	09/23/2021	11:39
	LCS 240-505049/5	UXM40034.D	09/23/2021	12:04
	MB 240-505049/8	UXM40037.D	09/23/2021	13:18
MSA-SW42A-091421	240-156133-17	UXM40039.D	09/23/2021	14:07
MSA-SW42B-091421	240-156133-18	UXM40040.D	09/23/2021	14:31
MSA-SW42C-091421	240-156133-19	UXM40041.D	09/23/2021	14:55
MSA-SW42D-091421	240-156133-20	UXM40042.D	09/23/2021	15:19
MSA-SW43A-091421	240-156133-21	UXM40043.D	09/23/2021	15:43
MSA-SW43B-091421	240-156133-22	UXM40044.D	09/23/2021	16:08
MSA-SW43C-091421	240-156133-23	UXM40045.D	09/23/2021	16:32
MSA-SW43D-091421	240-156133-24	UXM40046.D	09/23/2021	16:56
MSA-SW44A-091421	240-156133-25	UXM40047.D	09/23/2021	17:21
MSA-SW44B-091421	240-156133-26	UXM40048.D	09/23/2021	17:45
MSA-SW44C-091421	240-156133-27	UXM40049.D	09/23/2021	18:10
MSA-SW44D-091421	240-156133-28	UXM40050.D	09/23/2021	18:35
TB-091421	240-156133-29	UXM40051.D	09/23/2021	18:59

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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.: 240-156133-1

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.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab File ID: bfb905.d BFB Injection Date: 08/27/2021

Instrument ID: A3UX19 BFB Injection Time: 16:03

Analysis Batch No.: 501424

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.9	
75	30.0 - 60.0 % of mass 95	53.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	91.6	
175	5.0 - 9.0 % of mass 174	7.9	(8.6) 1
176	95.0 - 101.0 % of mass 174	88.9	(97.0) 1
177	5.0 - 9.0 % of mass 176	5.7	(6.4) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD 240-501424/9	U1923841.d	08/27/2021	17:57
	STD 240-501424/10	U1923842.d	08/27/2021	18:19
	STD 240-501424/11	U1923843.d	08/27/2021	18:41
	STD 240-501424/12	U1923844.d	08/27/2021	19:04
	STD 240-501424/13	U1923845.d	08/27/2021	19:26
	STD 240-501424/14	U1923846.d	08/27/2021	19:48
	ICV 240-501424/15	U1923847.d	08/27/2021	20:11

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab File ID: bfb922.d BFB Injection Date: 09/18/2021

Instrument ID: A3UX19 BFB Injection Time: 11:26

Analysis Batch No.: 504290

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	52.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	91.7	
175	5.0 - 9.0 % of mass 174	7.6	(8.3) 1
176	95.0 - 101.0 % of mass 174	87.9	(95.9) 1
177	5.0 - 9.0 % of mass 176	5.8	(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 240-504290/3	U1924231.d	09/18/2021	11:48
	CCVIS 240-504290/4	U1924232.d	09/18/2021	12:10
	CCV 240-504290/5	U1924233.d	09/18/2021	12:33
	LCS 240-504290/6	U1924234.d	09/18/2021	12:55
	MB 240-504290/10	U1924238.d	09/18/2021	14:24
MSA-SW46A-091421	240-156133-30	U1924258.d	09/18/2021	21:48
MSA-SW47A-091421	240-156133-31	U1924259.d	09/18/2021	22:10
MSA-SW48A-091421	240-156133-32	U1924260.d	09/18/2021	22:32
MSA-SW49A-091421	240-156133-33	U1924261.d	09/18/2021	22:54

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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 240-504263/3		1238472	5.85	968393	8.56	545770	10.84
CCVIS 240-504389/3		1271424	5.85	1022334	8.56	603358	10.84
CCVIS 240-505049/3		1468487	5.85	1160893	8.56	679613	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.: 240-156133-1

SDG No.: Frog Mortar Creek

Sample No.: CCVIS 240-504263/3 Date Analyzed: 09/18/2021 10:15

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXM39871.D Heated Purge: (Y/N) N

Calibration ID: 61161

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1238472	5.85	968393	8.56	545770	10.84
UPPER LIMIT		2476944	6.35	1936786	9.06	1091540	11.34
LOWER LIMIT		619236	5.35	484197	8.06	272885	10.34
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-504263/4		1230862	5.85	963473	8.56	534986	10.84
LCS 240-504263/5		1219182	5.85	968157	8.56	552235	10.84
MB 240-504263/8		1088204	5.85	872268	8.56	516132	10.84
240-156133-1	MSA-SW37A-091421	1117090	5.85	880682	8.56	494299	10.84
240-156133-2	MSA-SW37B-091421	1161557	5.83	915873	8.56	499982	10.84
240-156133-3	MSA-SW37C-091421	1119867	5.85	885496	8.56	494086	10.84
240-156133-4	MSA-SW37D-091421	1115028	5.83	887155	8.56	491043	10.84
240-156133-5	MSA-SW38A-091421	1140219	5.85	883578	8.56	494433	10.84
240-156133-6	MSA-SW38B-091421	1147731	5.83	905342	8.56	496447	10.84
240-156133-7	MSA-SW38C-091421	1095317	5.85	864507	8.56	492274	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.: 240-156133-1

SDG No.: Frog Mortar Creek

Sample No.: CCVIS 240-504389/3 Date Analyzed: 09/20/2021 10:23

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXM39901.D Heated Purge: (Y/N) N

Calibration ID: 61161

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1271424	5.85	1022334	8.56	603358	10.84
UPPER LIMIT		2542848	6.35	2044668	9.06	1206716	11.34
LOWER LIMIT		635712	5.35	511167	8.06	301679	10.34
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-504389/4		1418161	5.85	1110911	8.56	604698	10.84
LCS 240-504389/5		1425444	5.85	1117099	8.56	624166	10.84
MB 240-504389/8		1322082	5.83	1042435	8.56	585237	10.84
240-156133-8	MSA-SW38D-091421	1287683	5.85	1006848	8.56	567897	10.84
240-156133-9	MSA-SW40A-091421	1168102	5.85	955134	8.56	561691	10.84
240-156133-10	MSA-SW40B-091421	1258665	5.83	1005934	8.56	568329	10.84
240-156133-11	MSA-SW40C-091421	1213593	5.85	953696	8.56	563872	10.84
240-156133-12	MSA-SW40D-091421	1113395	5.85	918528	8.56	559156	10.84
240-156133-13	MSA-SW41A-091421	1141168	5.85	930455	8.56	541332	10.84
240-156133-14	MSA-SW41B-091421	1067849	5.85	882822	8.56	531323	10.84
240-156133-15	MSA-SW41C-091421	1013596	5.85	837342	8.56	526335	10.84
240-156133-16	MSA-SW41D-091421	1147151	5.85	913619	8.56	523892	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.: 240-156133-1

SDG No.: Frog Mortar Creek

Sample No.: CCVIS 240-505049/3 Date Analyzed: 09/23/2021 11:14

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXM40032.D Heated Purge: (Y/N) N

Calibration ID: 61161

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1468487	5.85	1160893	8.56	679613	10.84
UPPER LIMIT		2936974	6.35	2321786	9.06	1359226	11.34
LOWER LIMIT		734244	5.35	580447	8.06	339807	10.34
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-505049/4		1473862	5.85	1182761	8.56	632845	10.84
LCS 240-505049/5		1407941	5.85	1125811	8.56	635920	10.84
MB 240-505049/8		1245999	5.85	1014508	8.56	591216	10.84
240-156133-17	MSA-SW42A-091421	1271678	5.85	1017053	8.56	564478	10.84
240-156133-18	MSA-SW42B-091421	971552	5.85	853371	8.56	535701	10.84
240-156133-19	MSA-SW42C-091421	1124021	5.85	921654	8.56	532746	10.84
240-156133-20	MSA-SW42D-091421	990633	5.85	860575	8.56	535423	10.84
240-156133-21	MSA-SW43A-091421	1198002	5.85	974696	8.56	548029	10.84
240-156133-22	MSA-SW43B-091421	1018052	5.85	871282	8.56	536606	10.84
240-156133-23	MSA-SW43C-091421	1140744	5.85	943312	8.56	555159	10.84
240-156133-24	MSA-SW43D-091421	1144090	5.85	951102	8.56	578778	10.84
240-156133-25	MSA-SW44A-091421	1121745	5.85	942697	8.56	556337	10.84
240-156133-26	MSA-SW44B-091421	1091805	5.85	927375	8.56	566412	10.84
240-156133-27	MSA-SW44C-091421	1191301	5.85	987357	8.56	590102	10.84
240-156133-28	MSA-SW44D-091421	1265968	5.85	1017081	8.56	554450	10.84
240-156133-29	TB-091421	1204610	5.85	973958	8.56	550930	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.: 240-156133-1

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 240-504290/4		811058	5.94	594048	8.45	329724	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.: 240-156133-1

SDG No.: Frog Mortar Creek

Sample No.: CCVIS 240-504290/4 Date Analyzed: 09/18/2021 12:10

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): U1924232.d Heated Purge: (Y/N) N

Calibration ID: 62590

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		811058	5.94	594048	8.45	329724	10.59
UPPER LIMIT		1622116	6.44	1188096	8.95	659448	11.09
LOWER LIMIT		405529	5.44	297024	7.95	164862	10.09
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-504290/5		761706	5.94	574369	8.45	294364	10.59
LCS 240-504290/6		822927	5.94	610988	8.45	358482	10.59
MB 240-504290/10		730060	5.94	541791	8.45	280007	10.59
240-156133-30	MSA-SW46A-091421	710914	5.94	531781	8.45	279800	10.59
240-156133-31	MSA-SW47A-091421	705717	5.94	526953	8.45	269726	10.59
240-156133-32	MSA-SW48A-091421	691011	5.94	510435	8.46	262749	10.59
240-156133-33	MSA-SW49A-091421	687633	5.94	514571	8.46	266324	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 VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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				

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

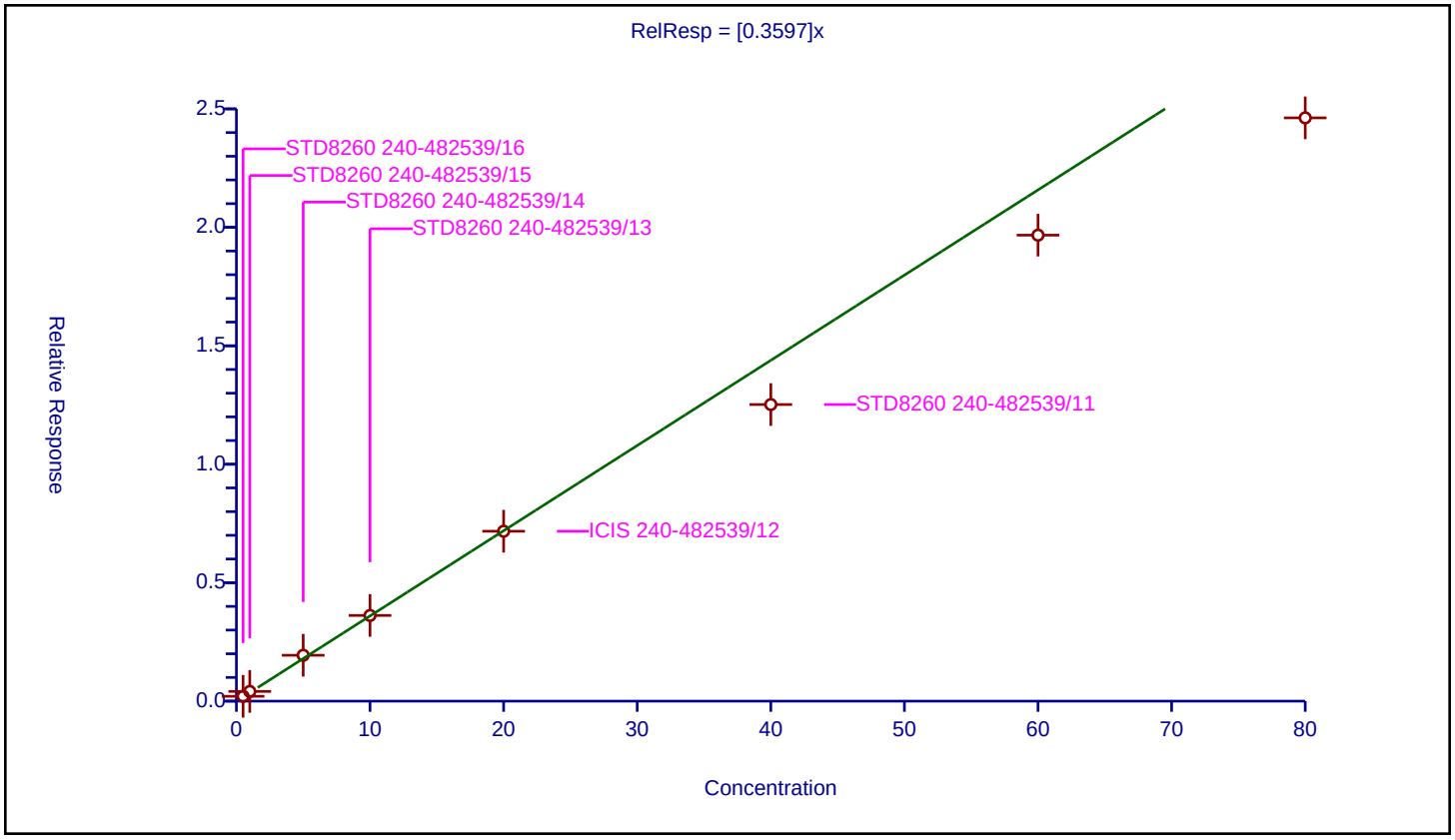
Curve Coefficients

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

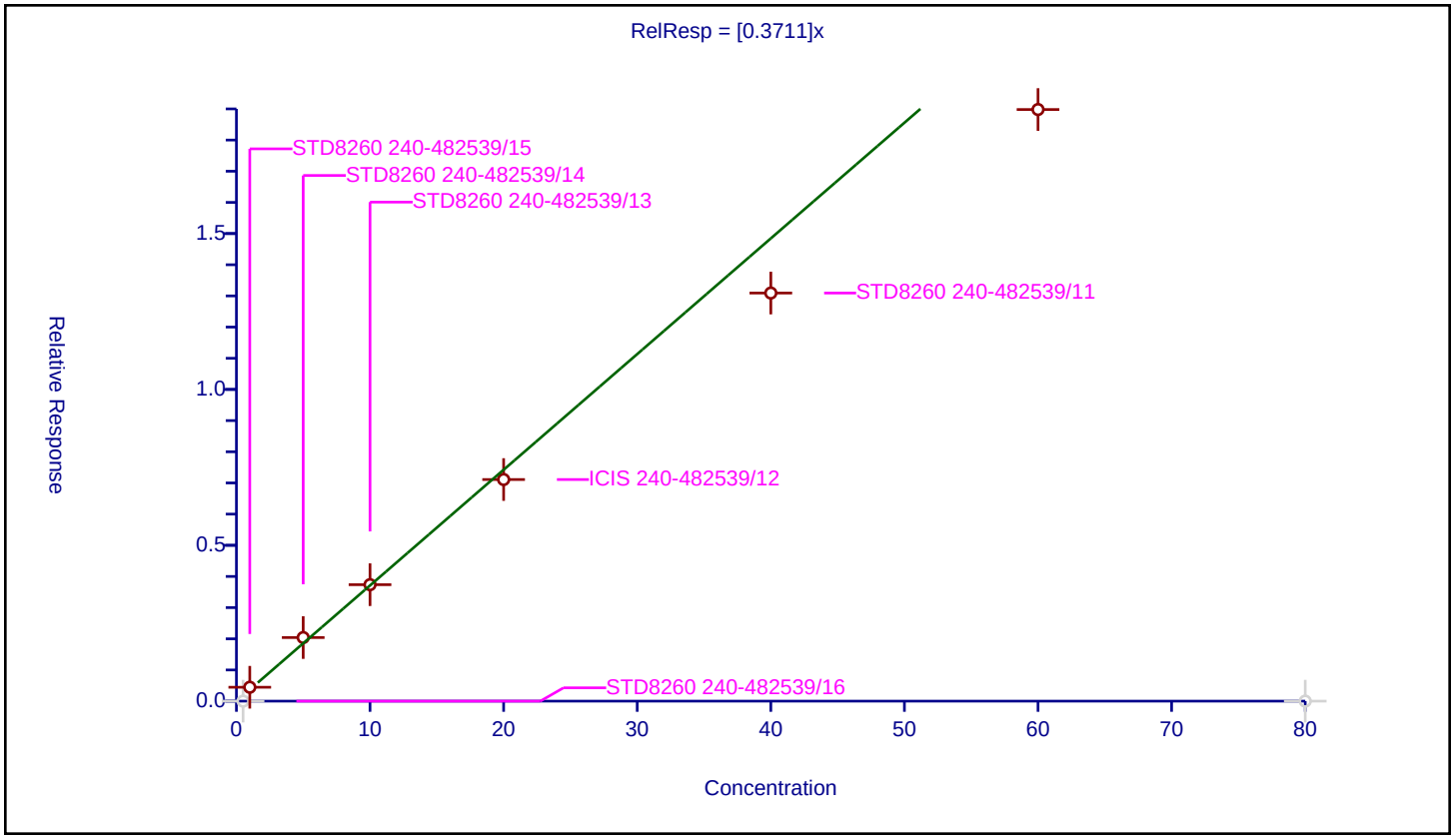
Curve Coefficients

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

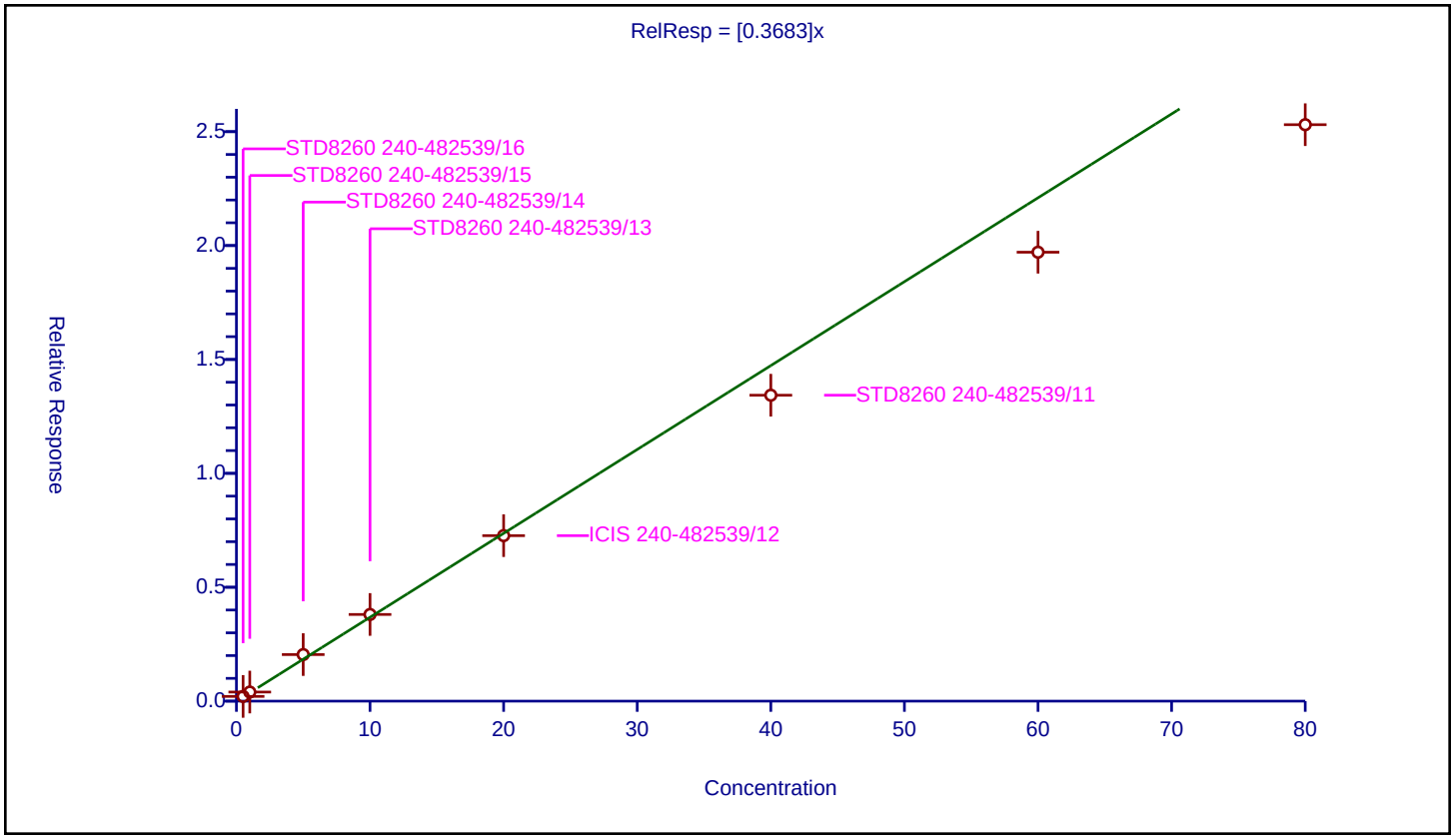
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

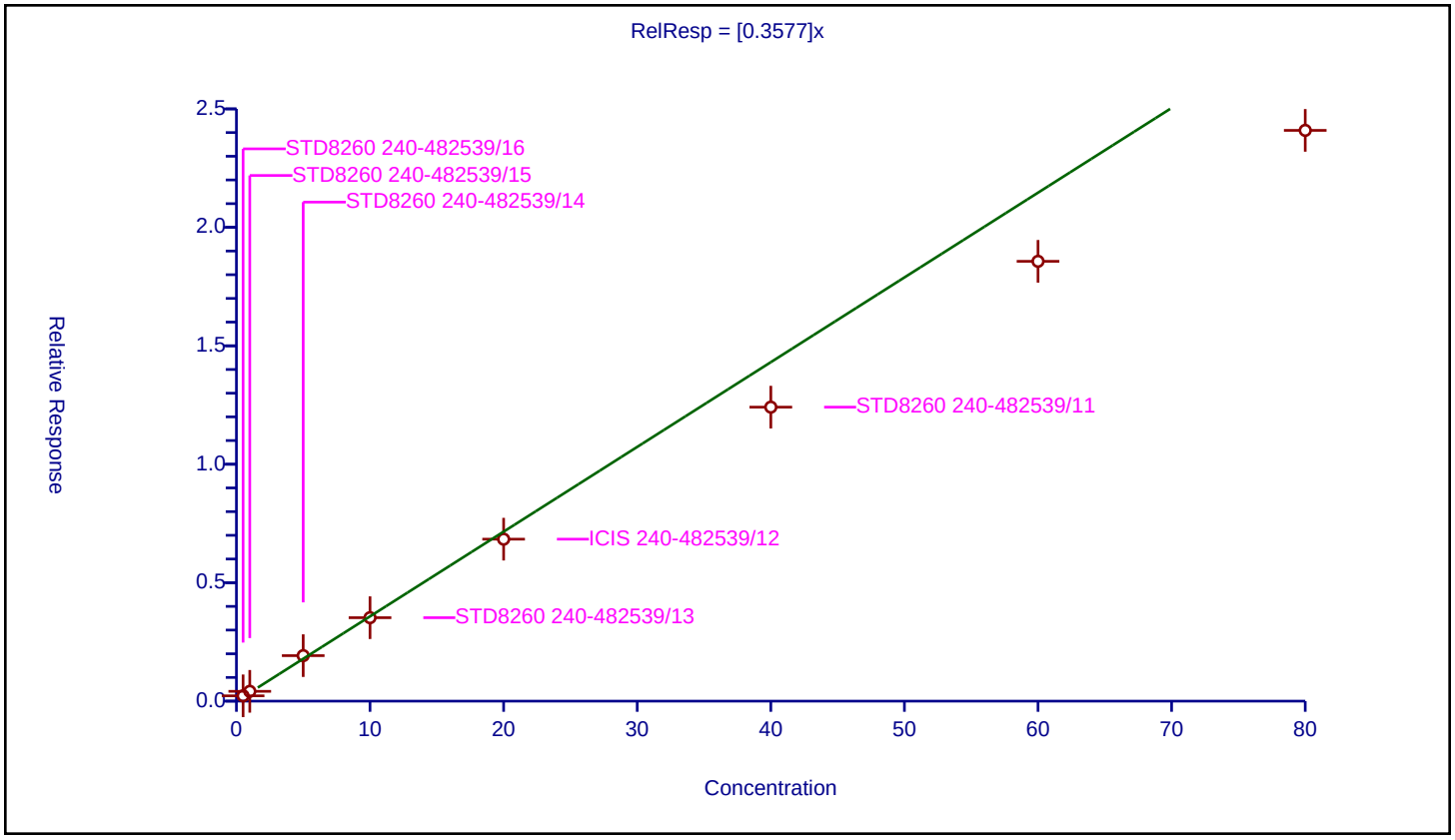
Curve Coefficients

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

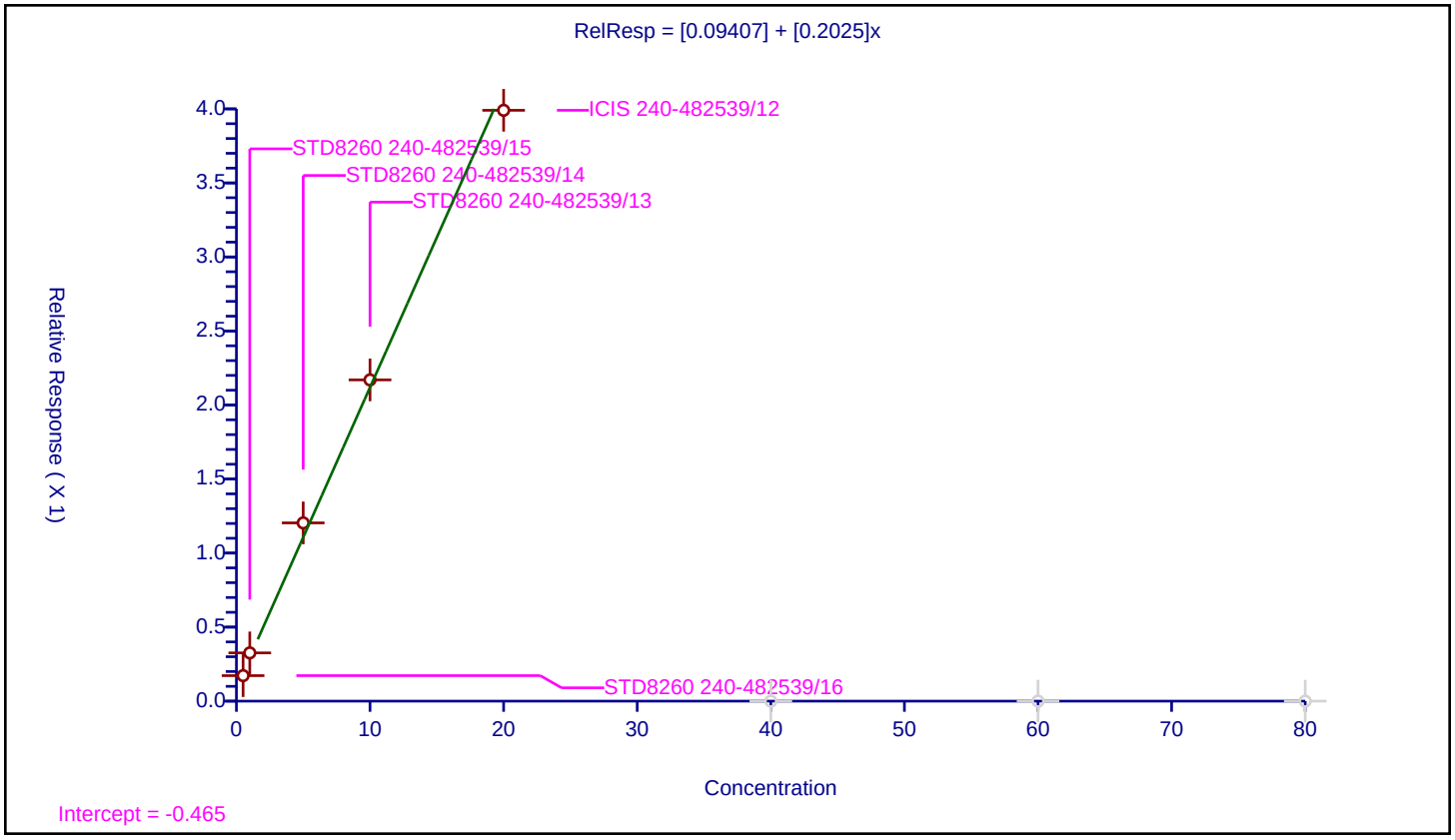
Curve Coefficients

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

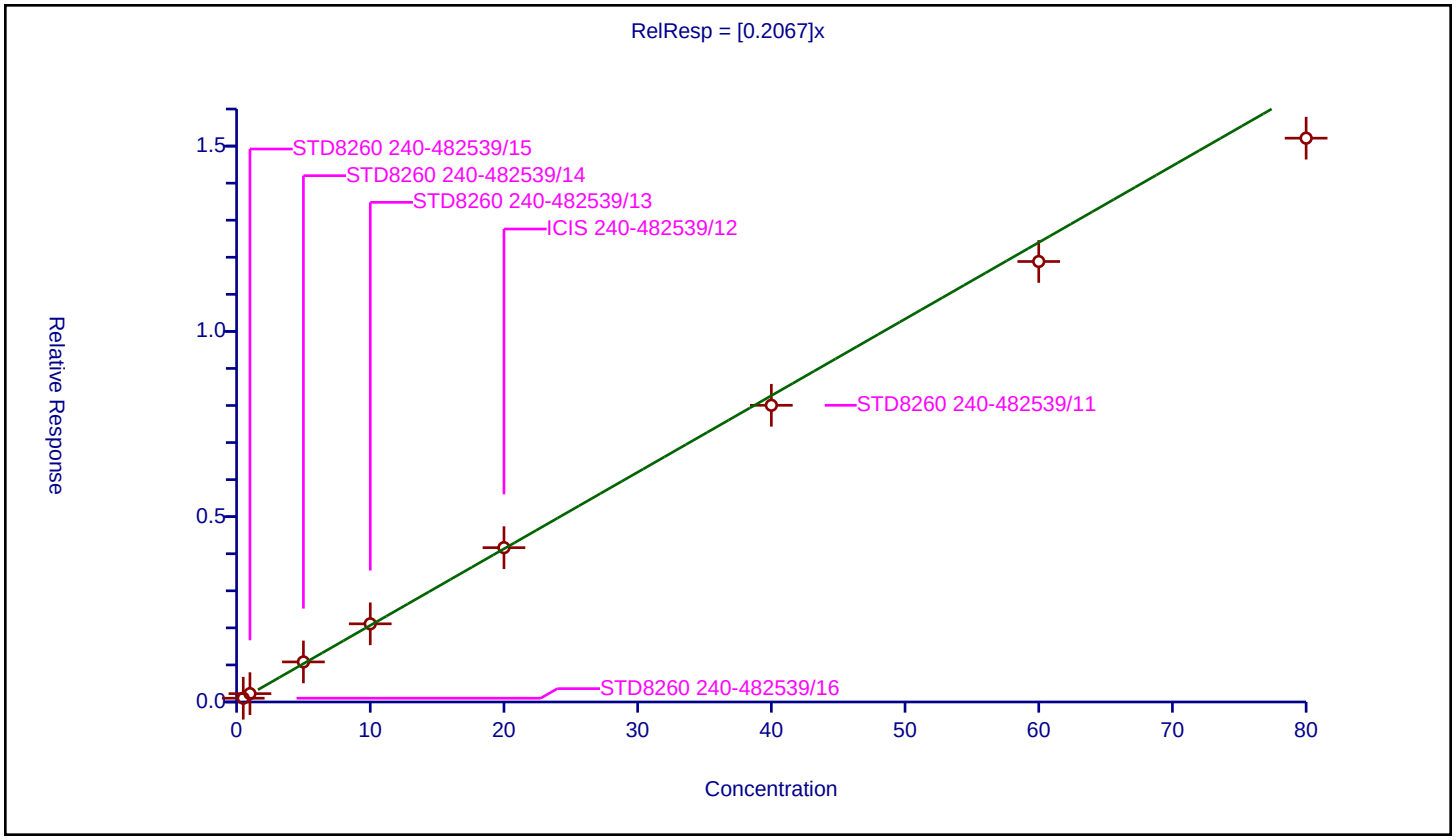
Curve Coefficients

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

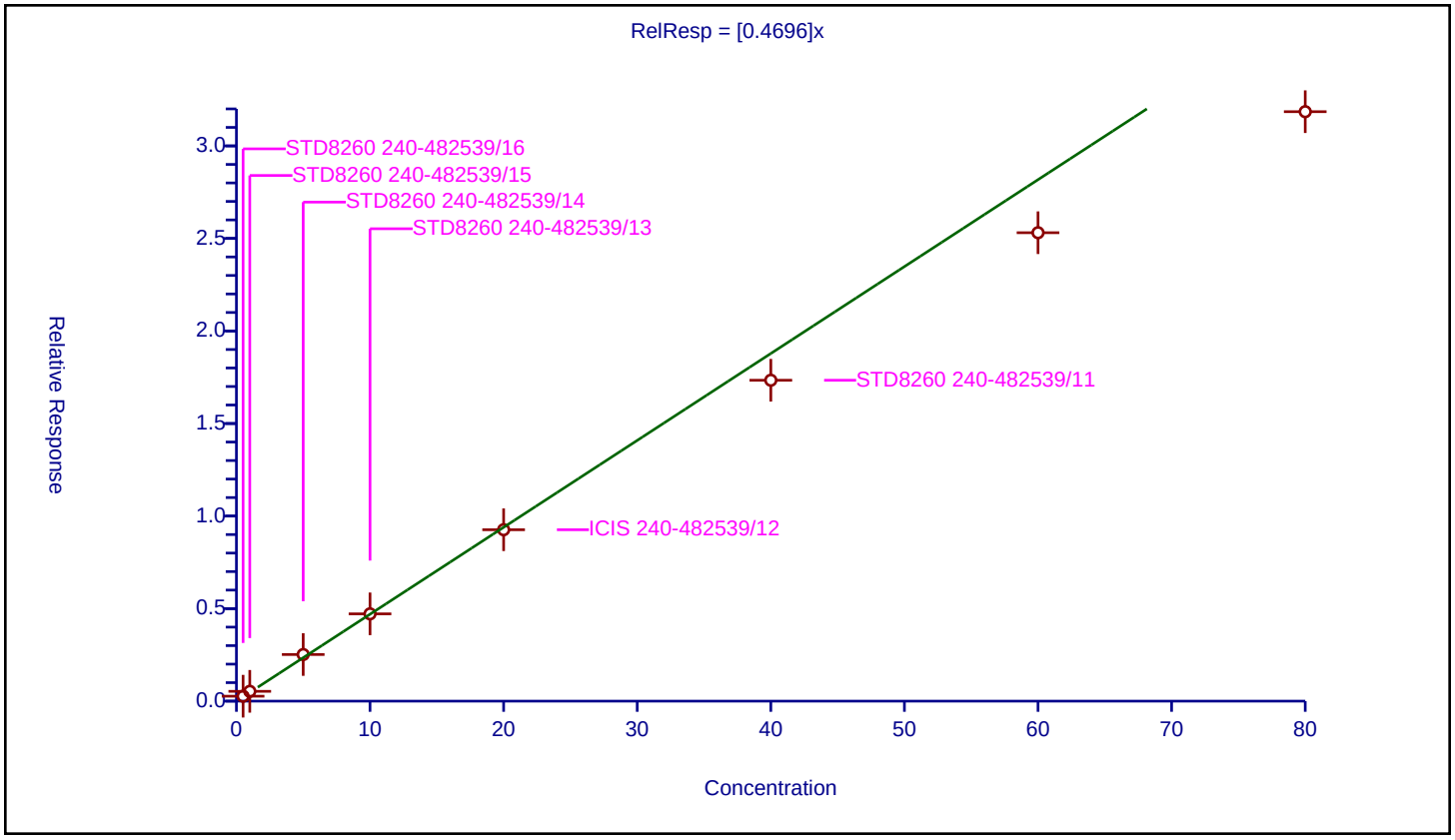
Curve Coefficients

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



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

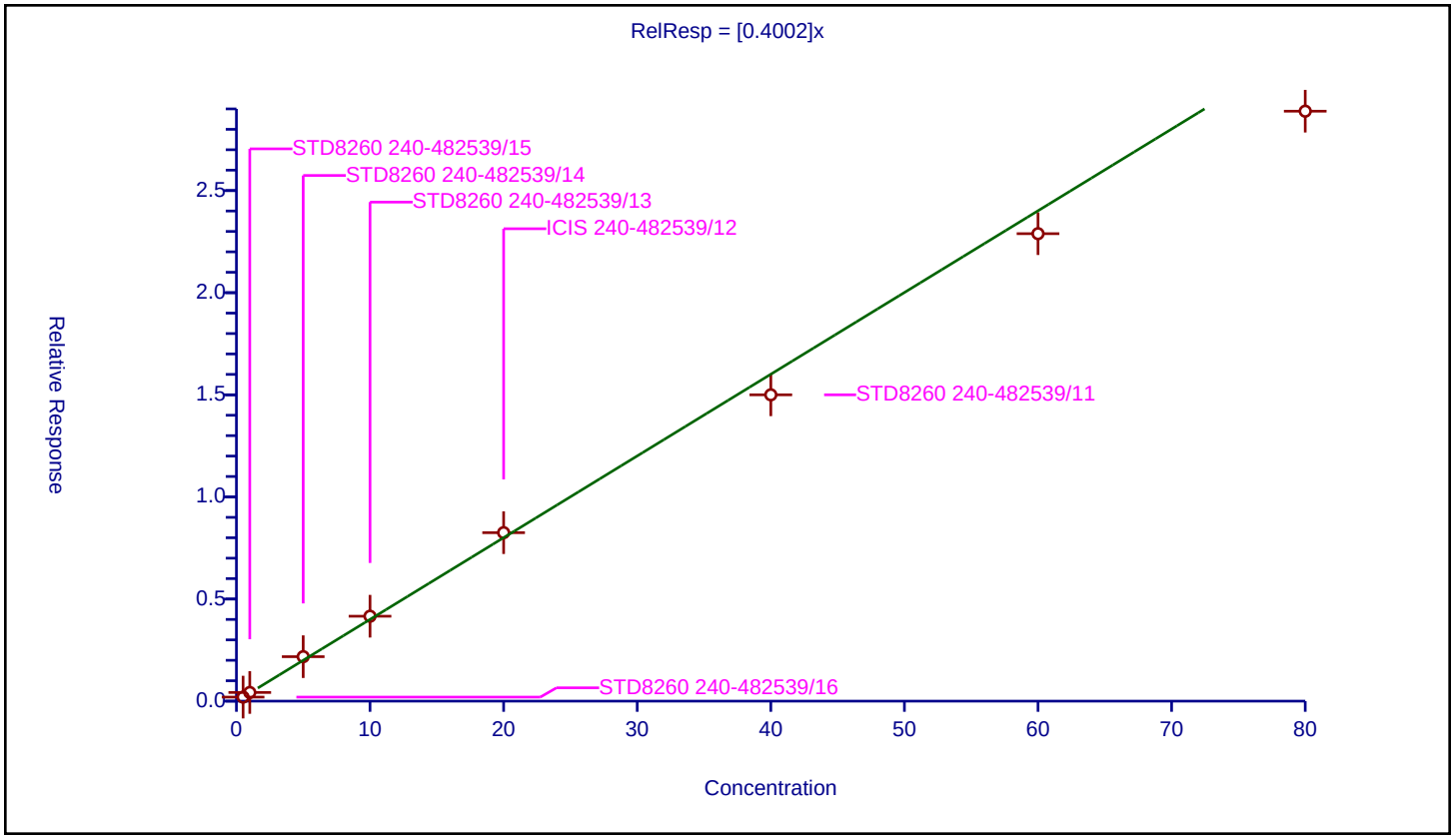
Curve Coefficients

Intercept:	0
Slope:	0.4002

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

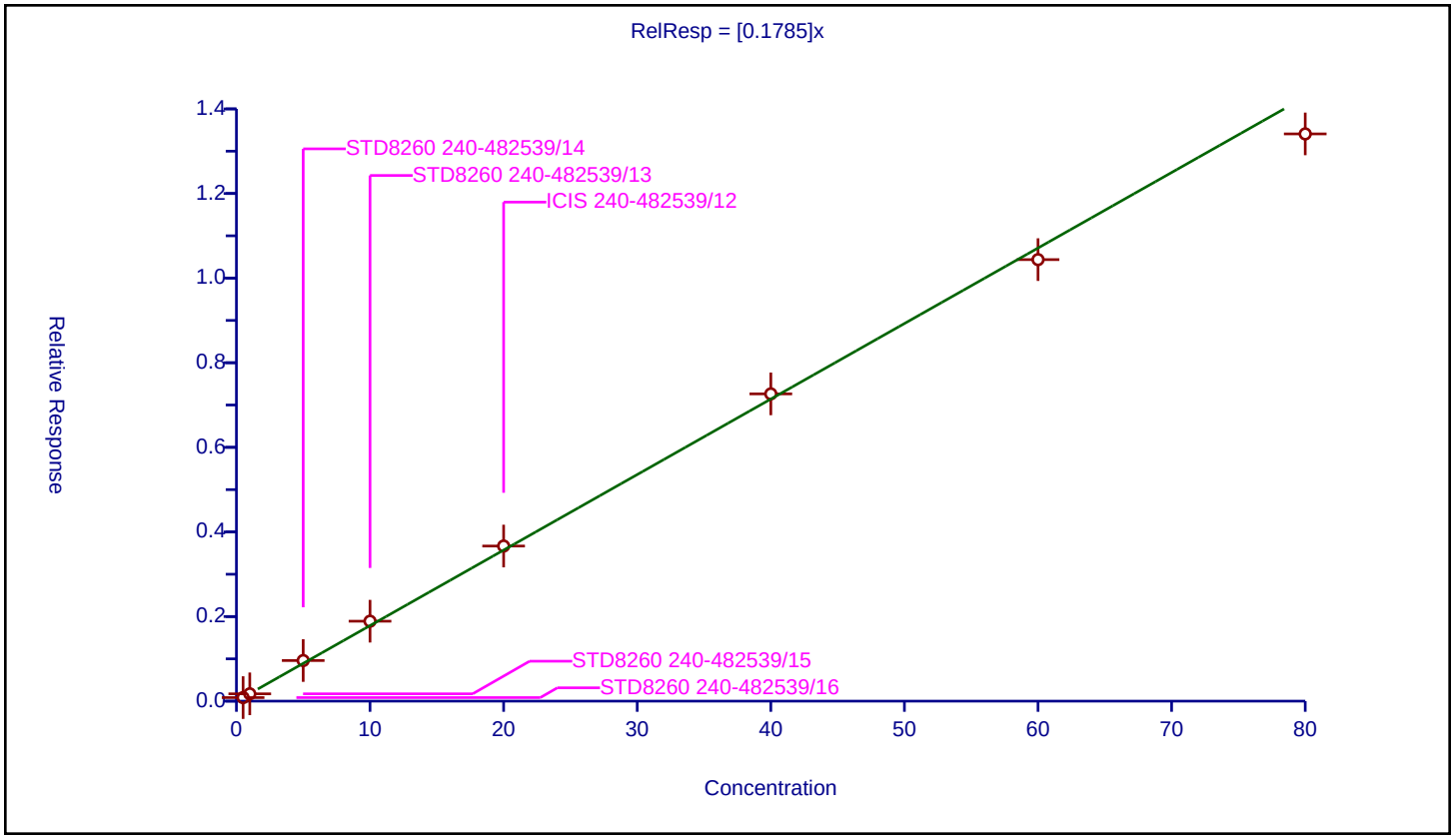
Curve Coefficients

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

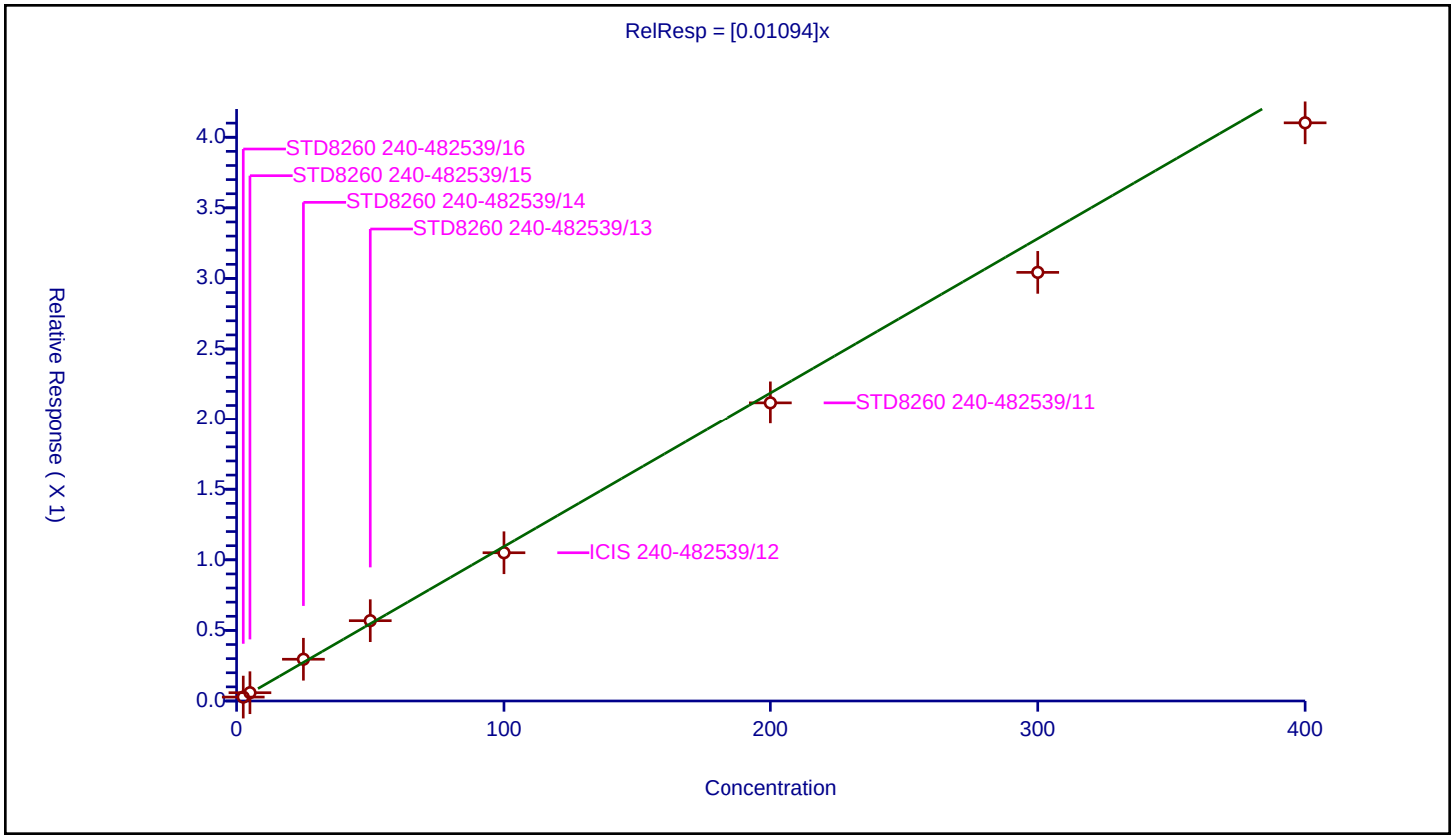
Curve Coefficients

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

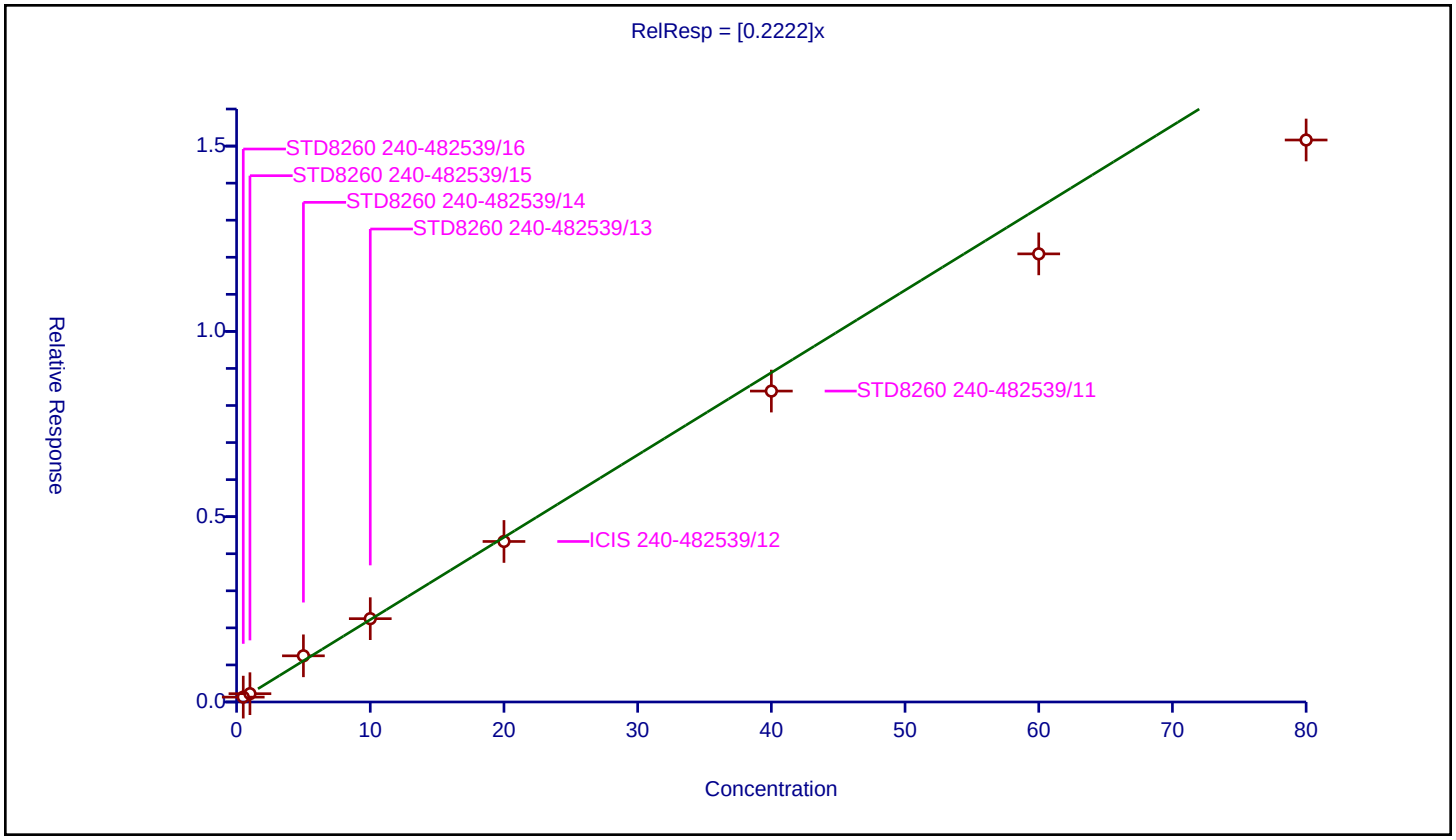
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

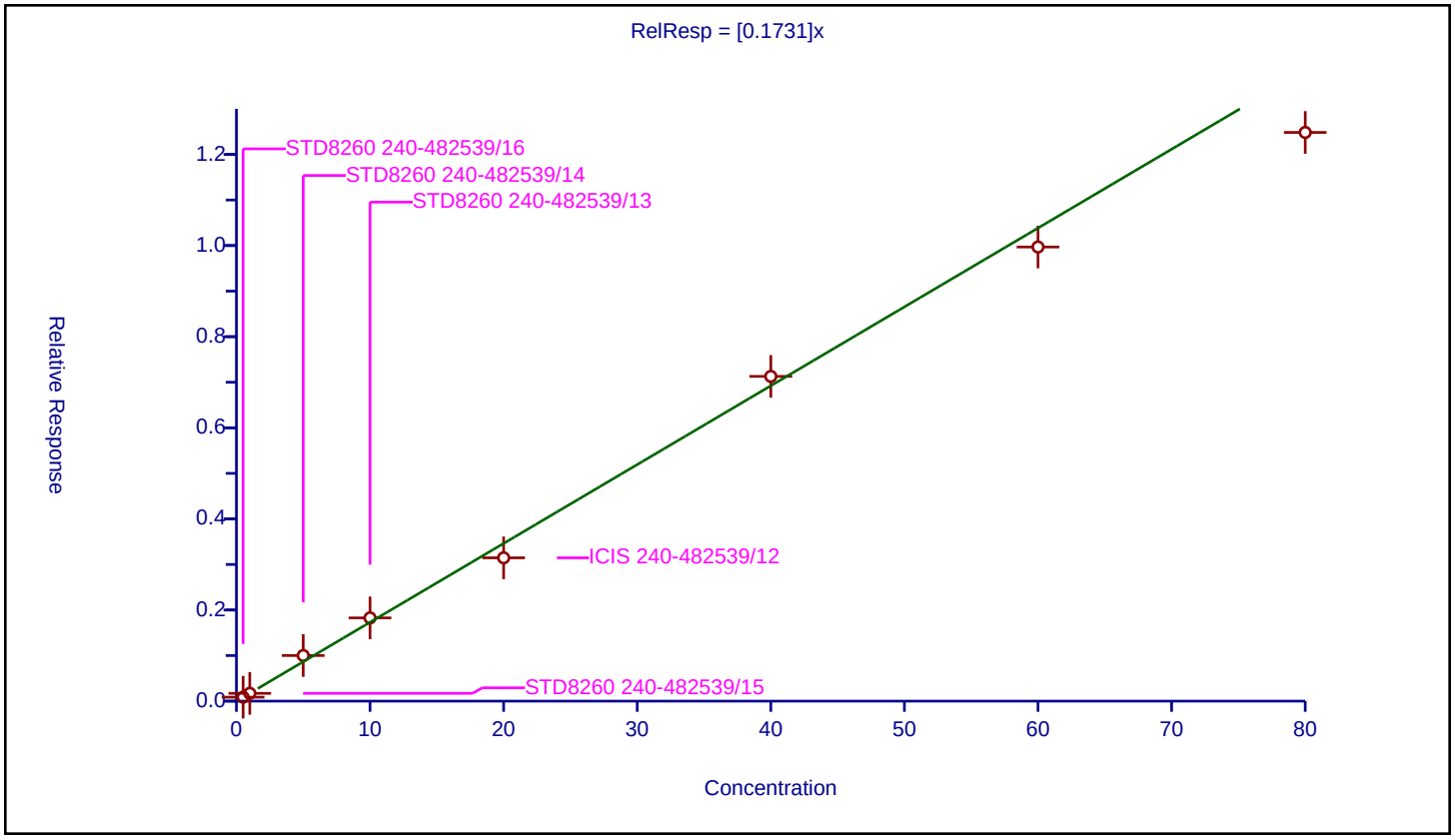
Curve Coefficients

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

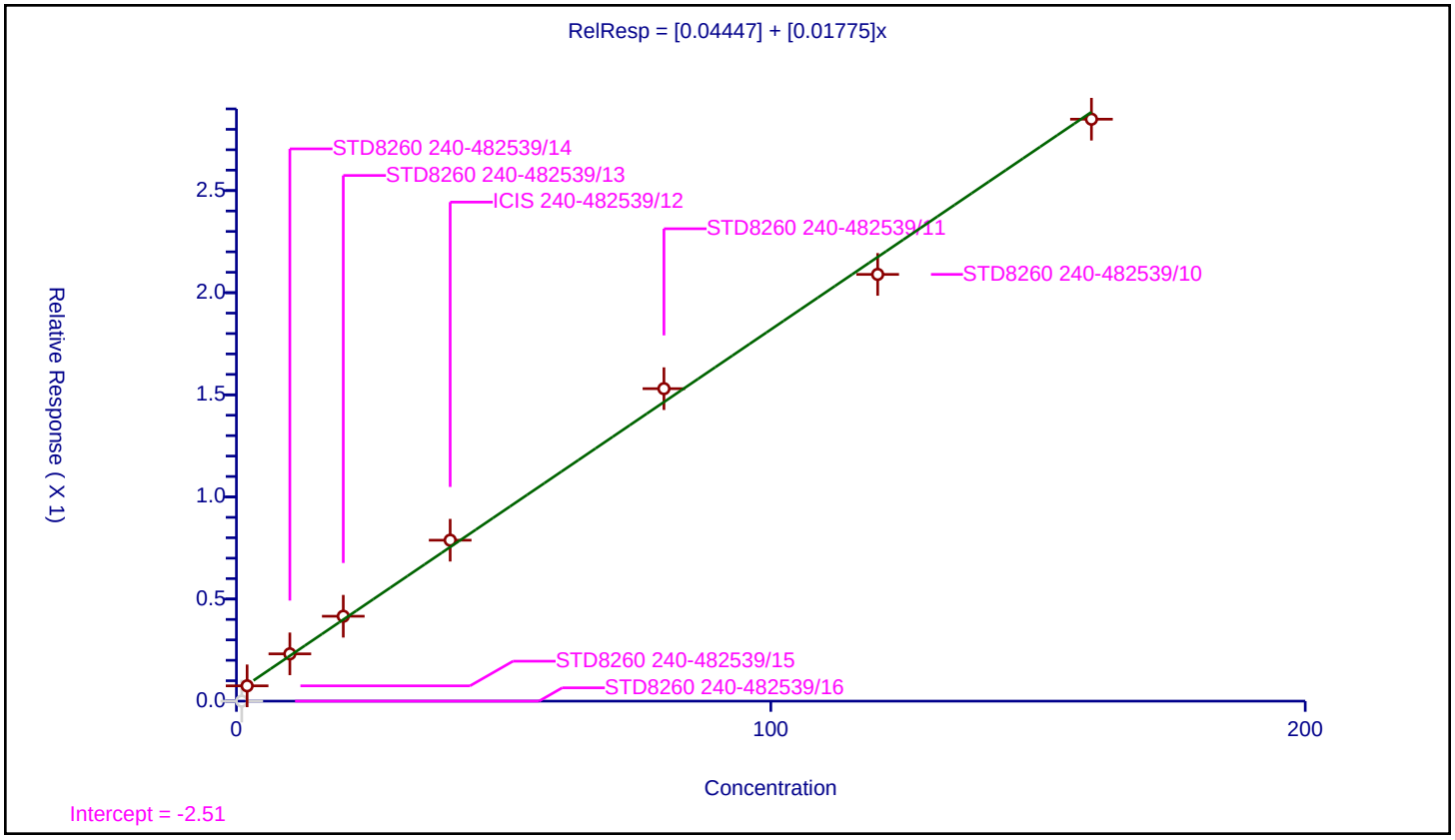
Curve Coefficients

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

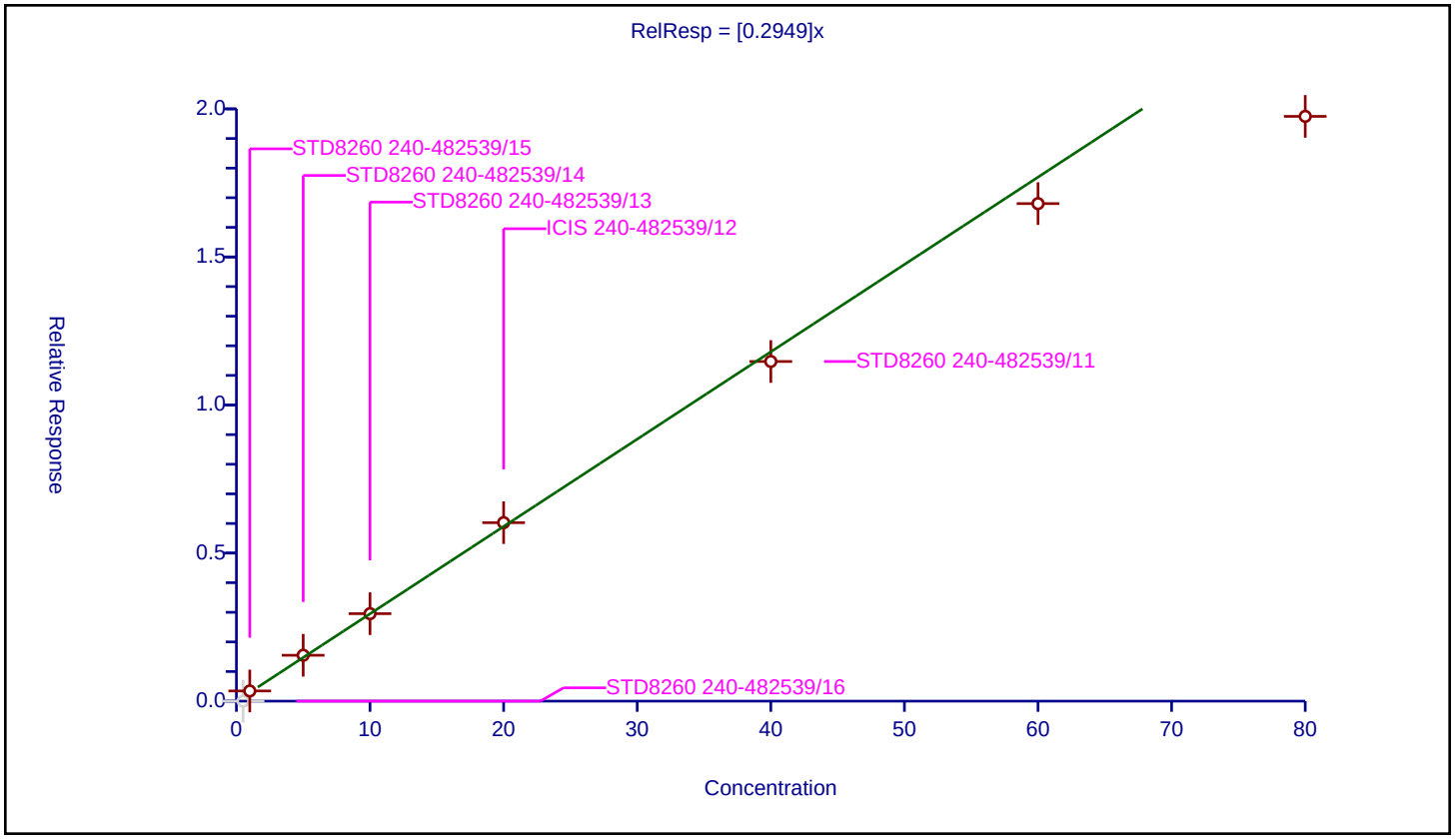
Curve Coefficients

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



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

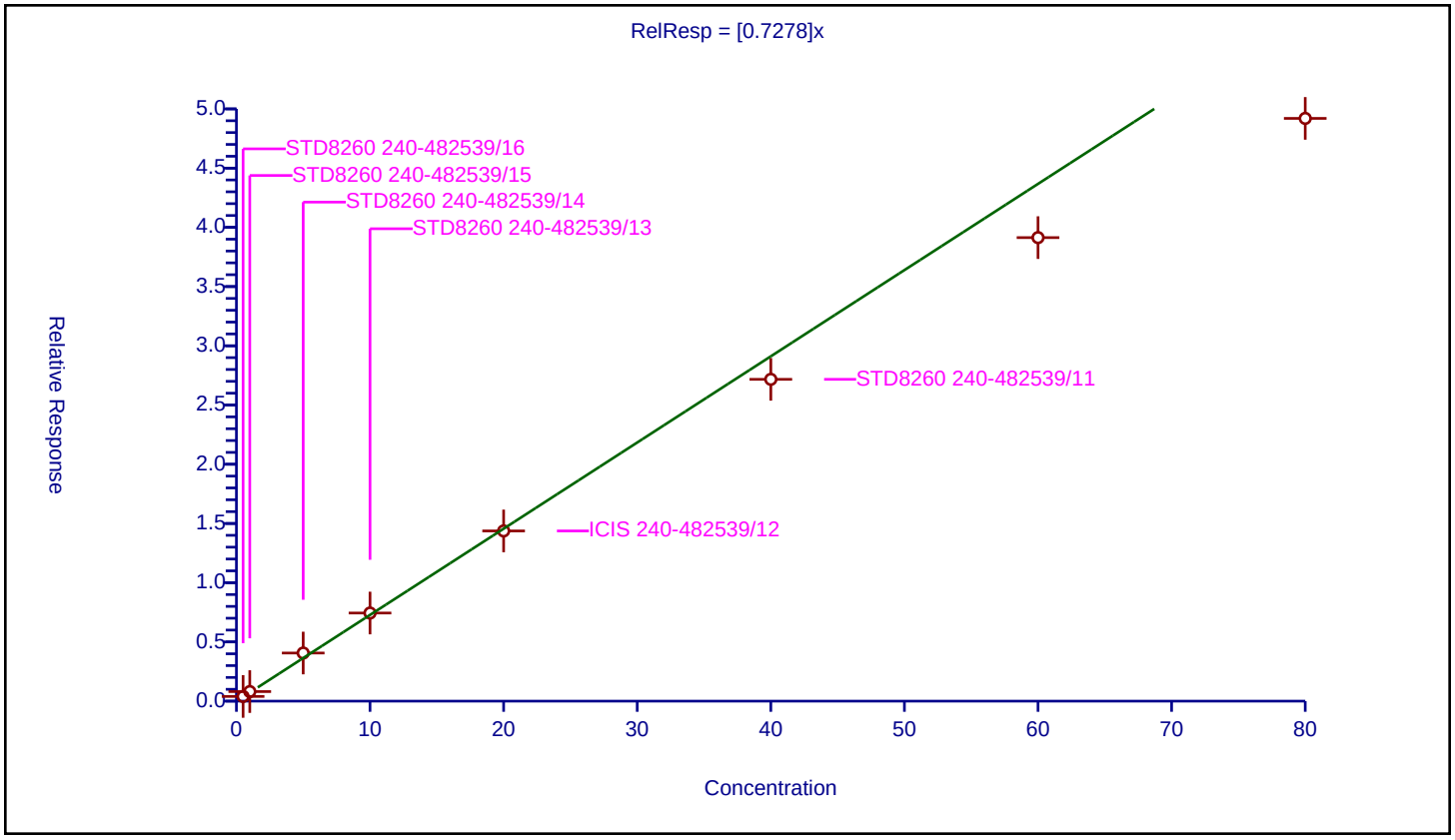
Curve Coefficients

Intercept:	0
Slope:	0.7278

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

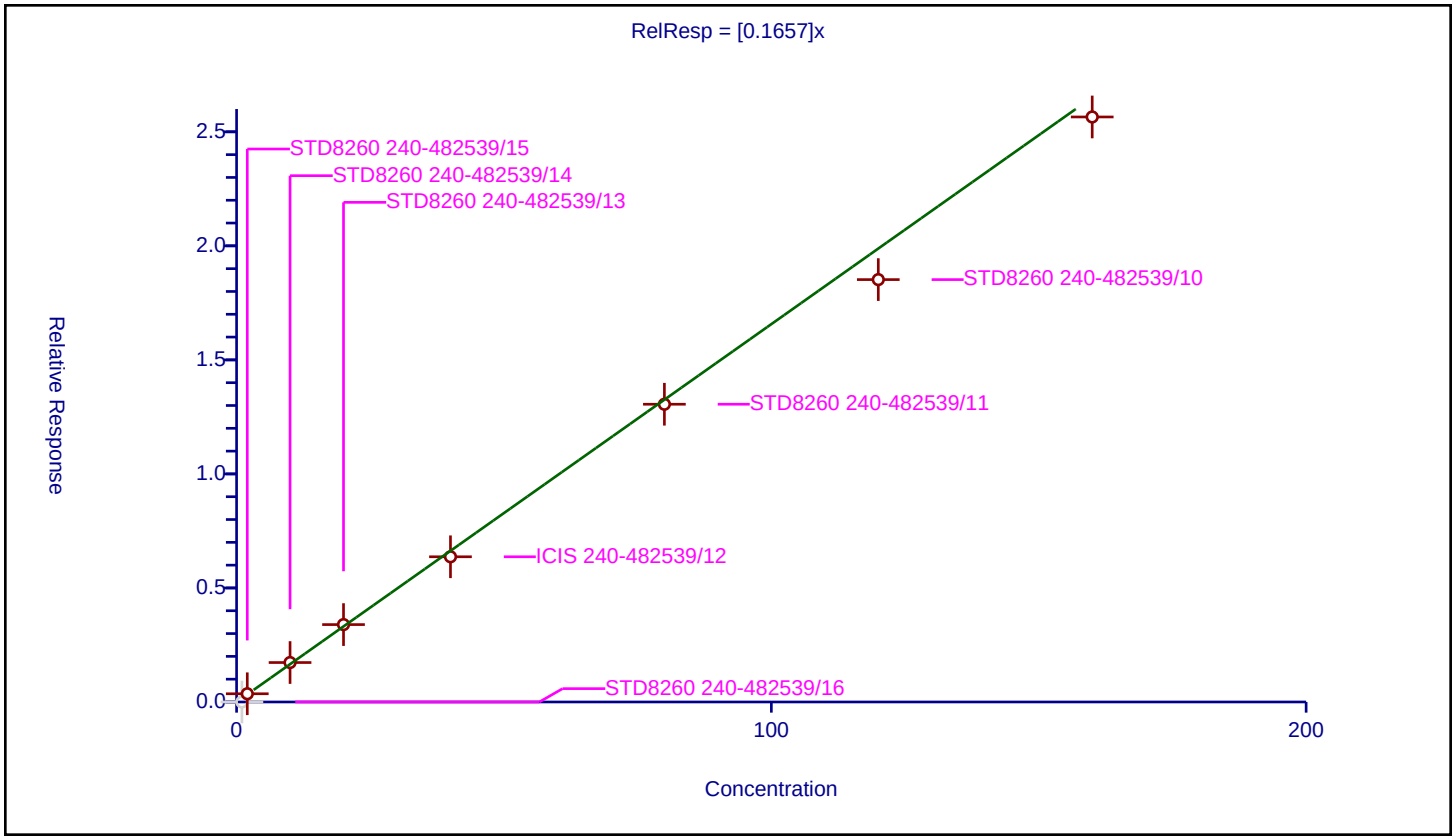
Curve Coefficients

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

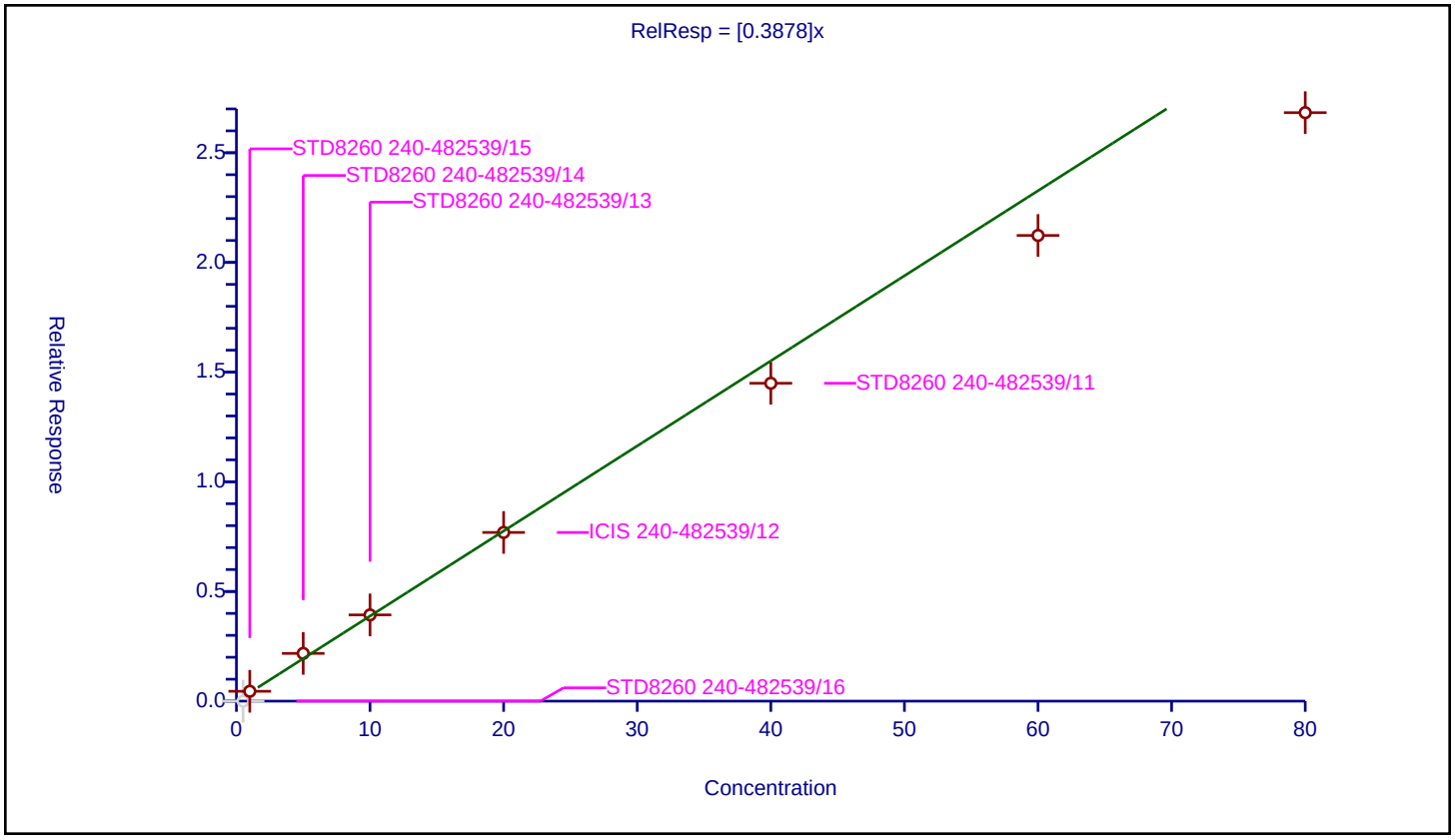
Curve Coefficients

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

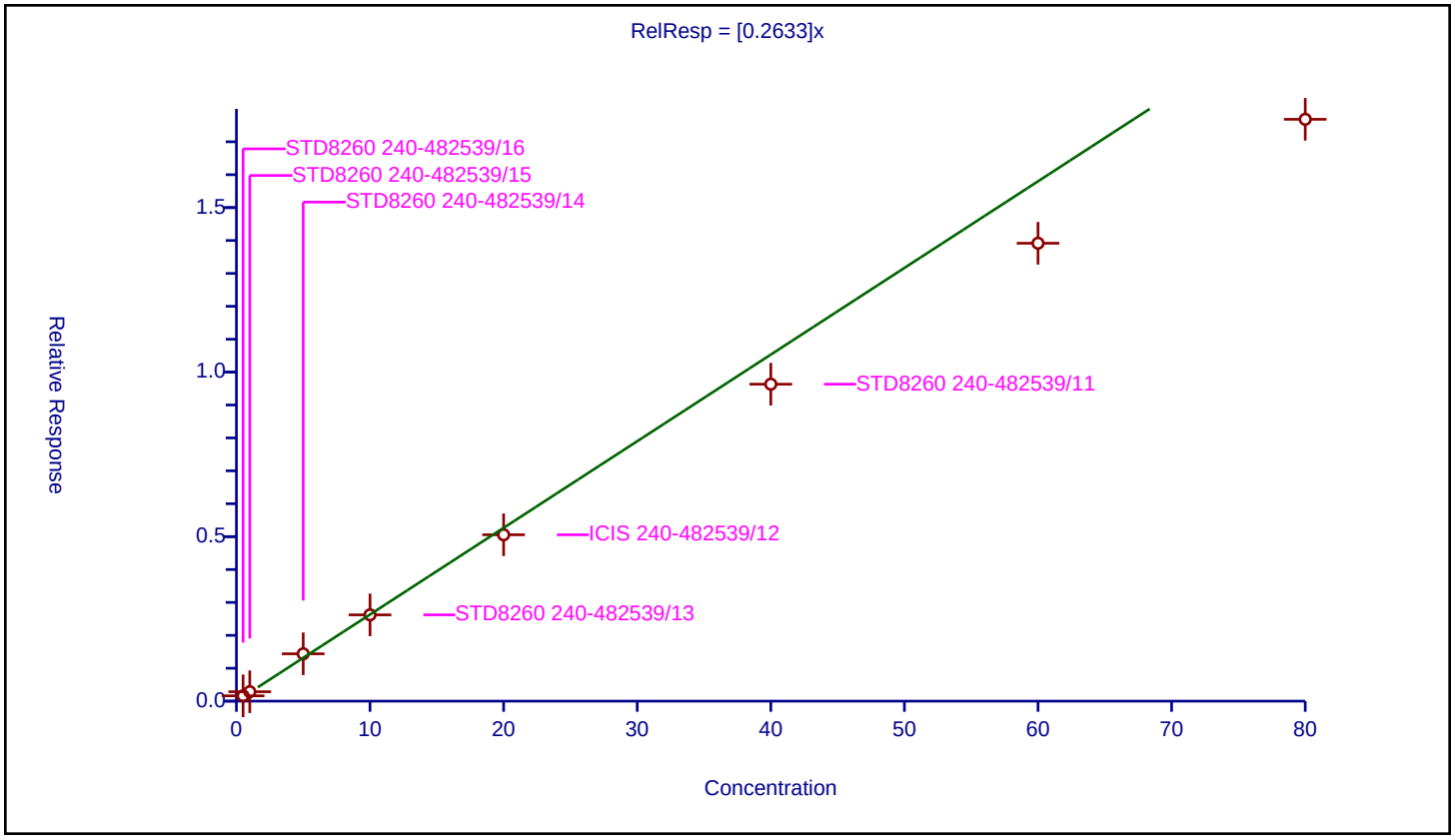
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

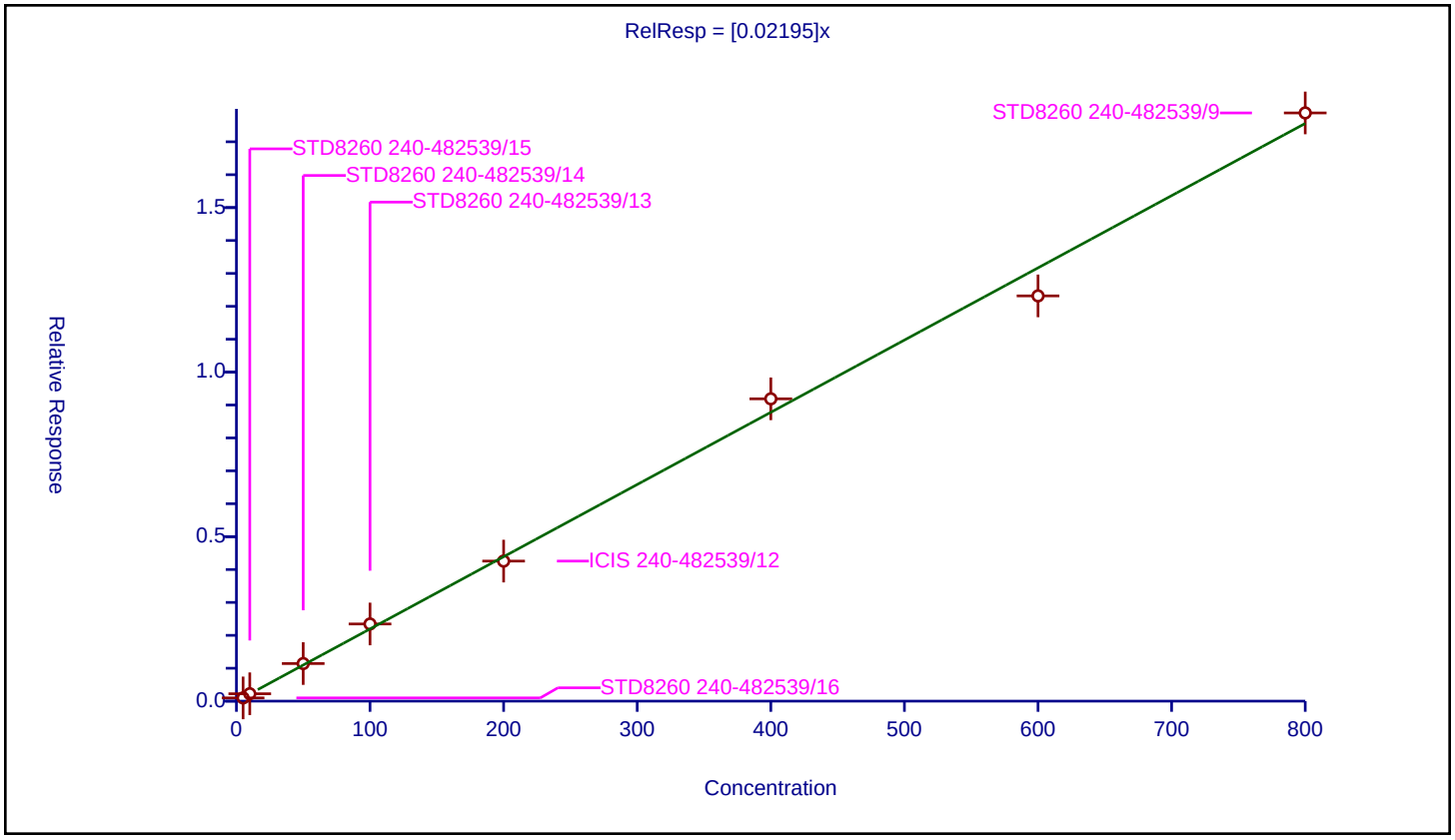
Curve Coefficients

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

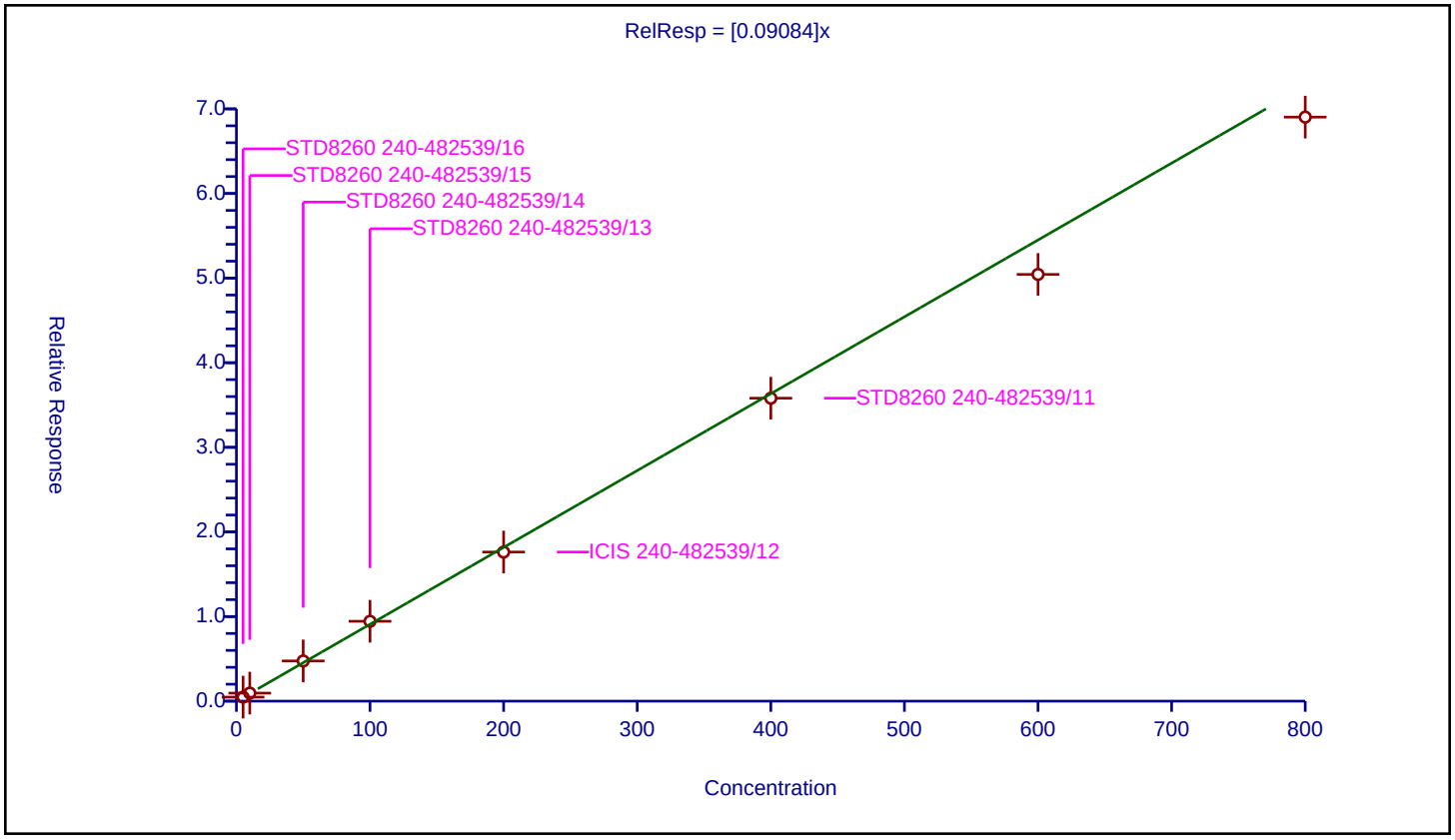
Curve Coefficients

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

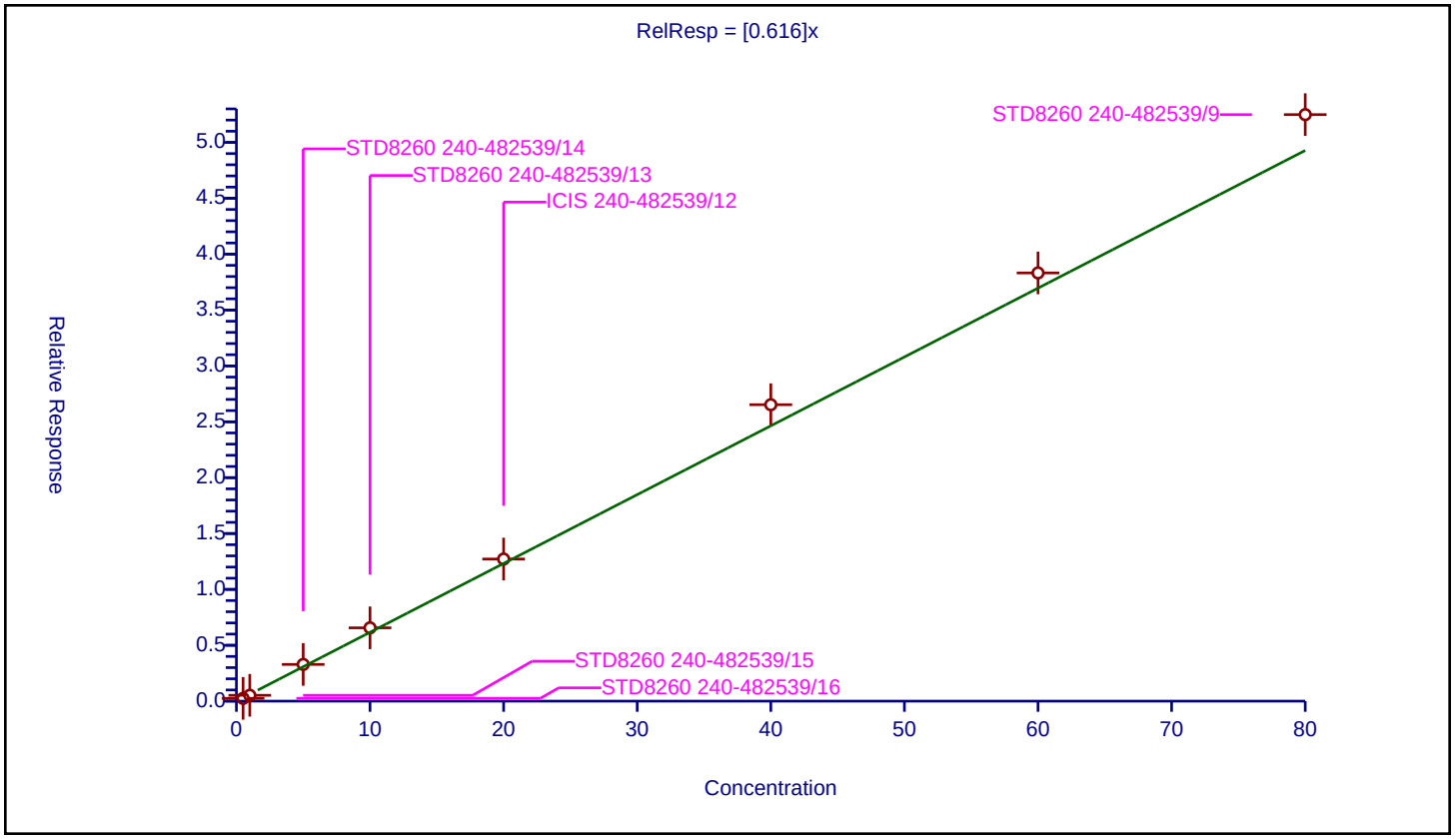
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

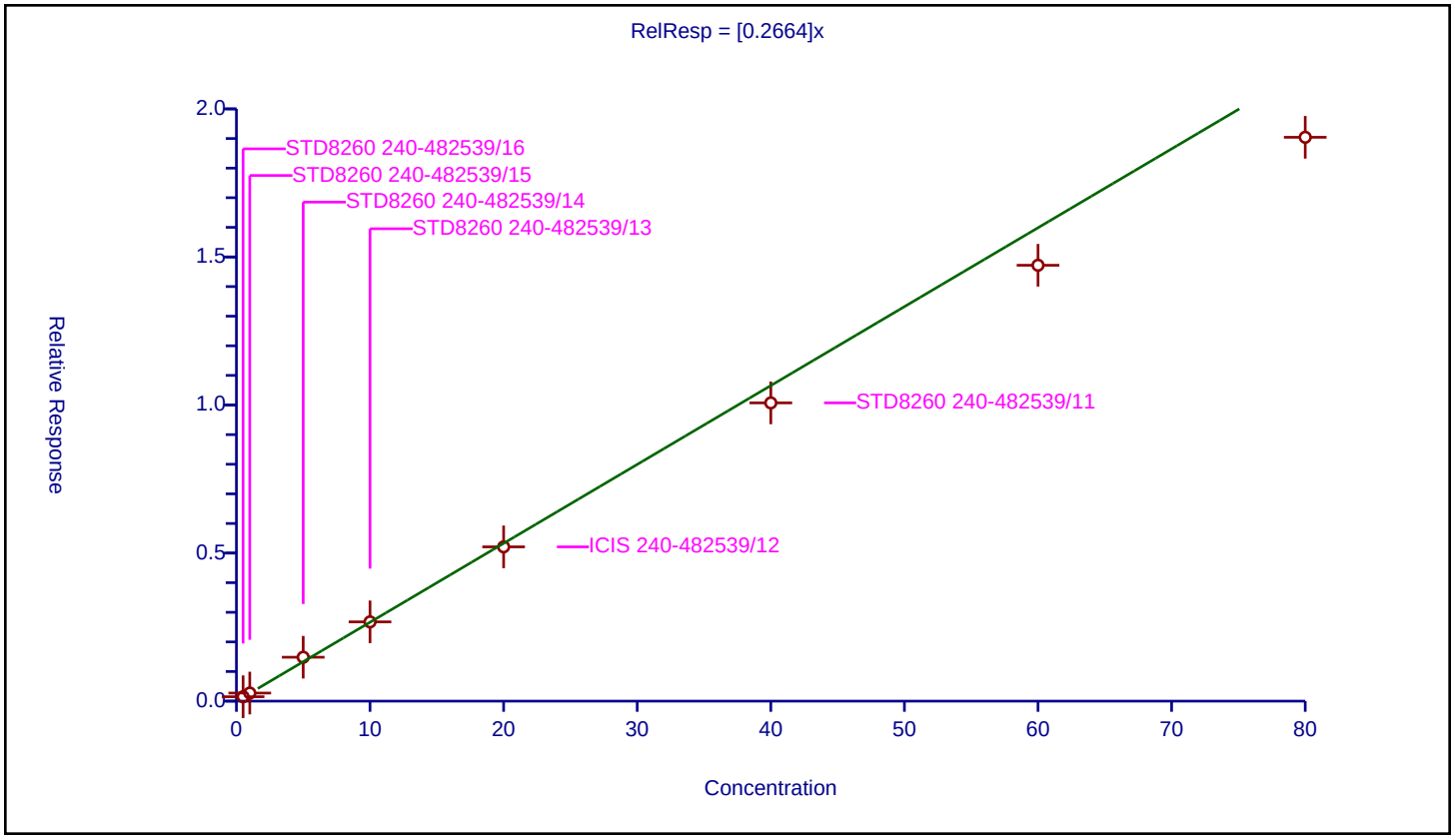
Curve Coefficients

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

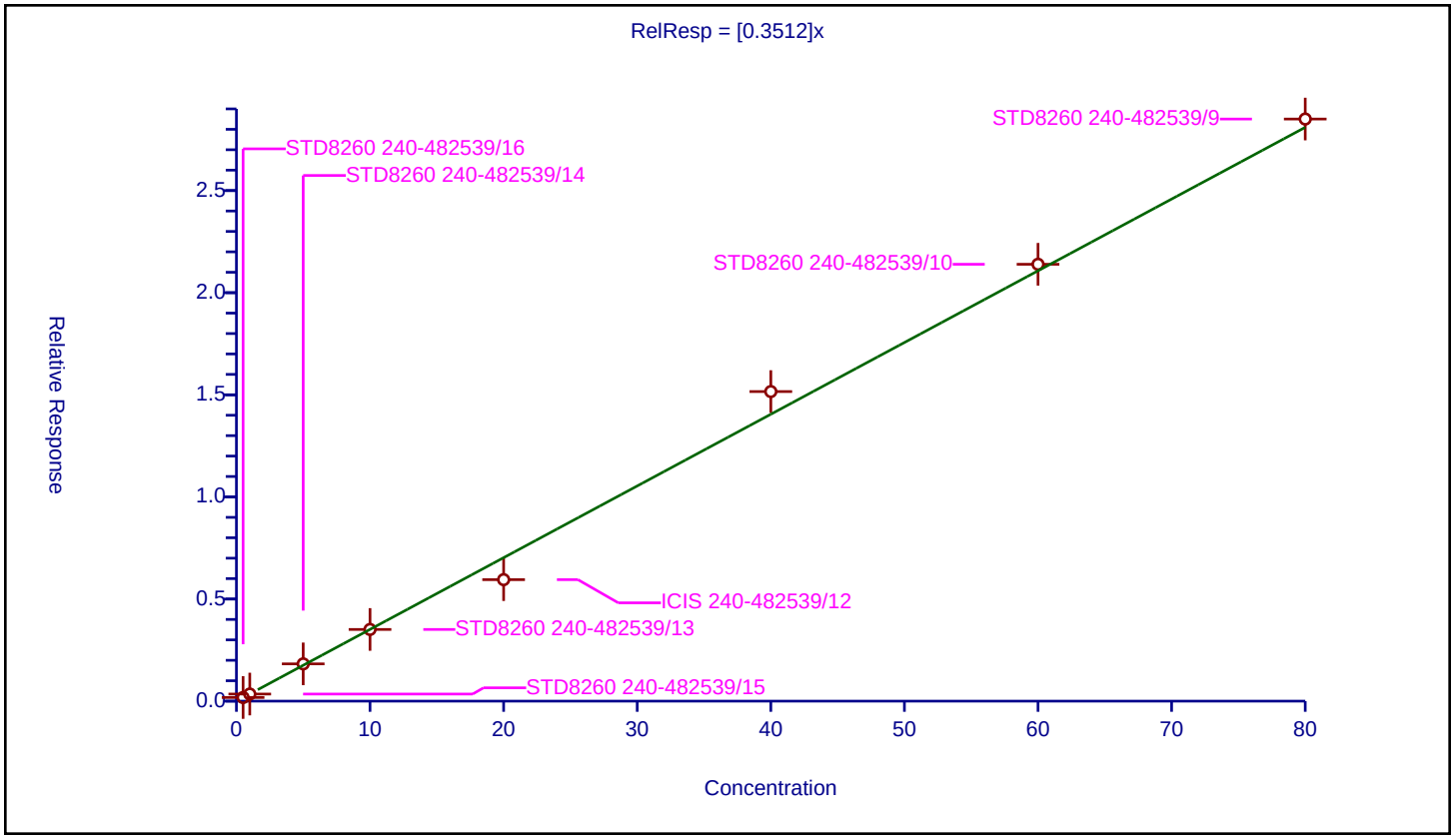
Curve Coefficients

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

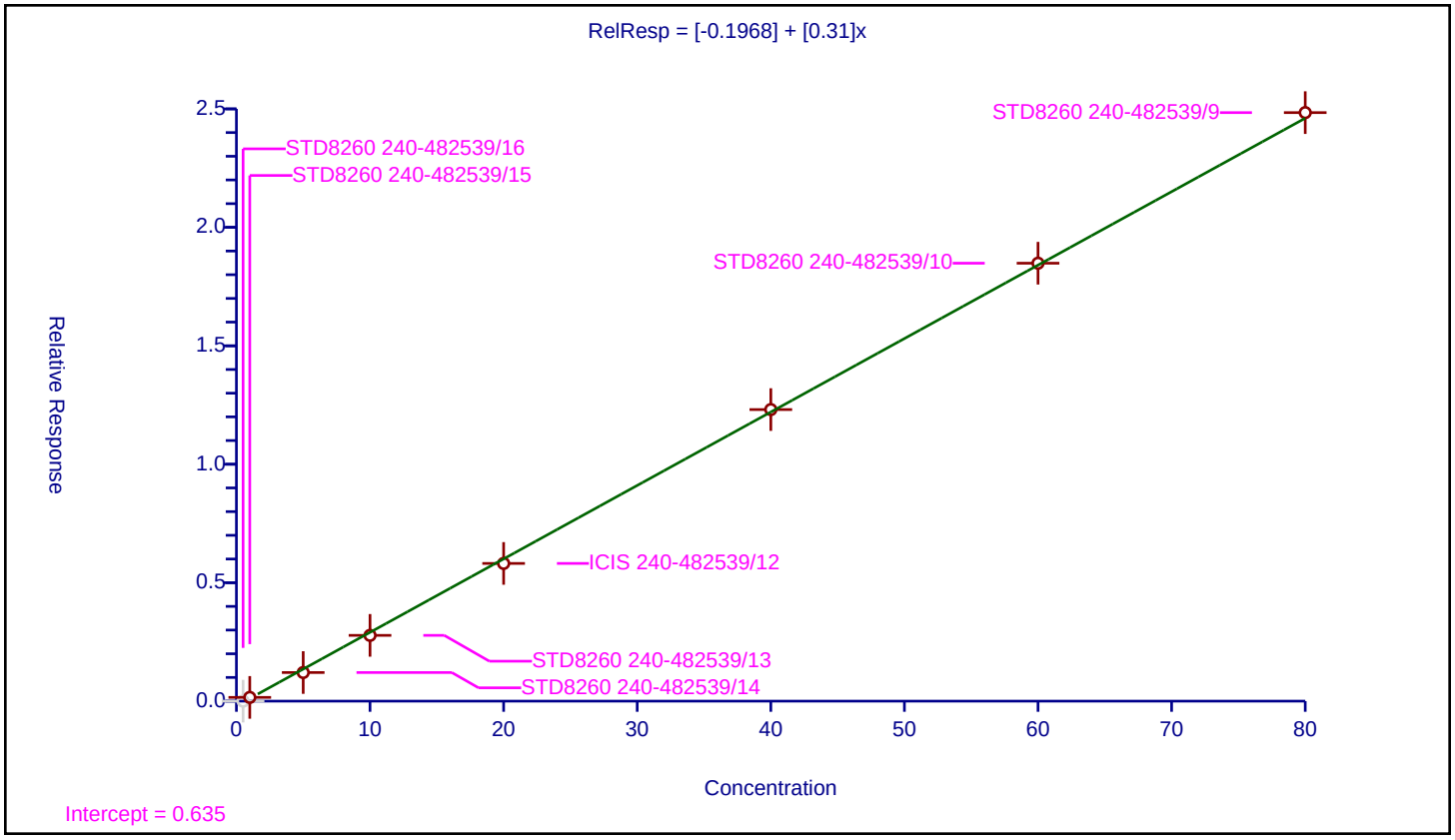
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

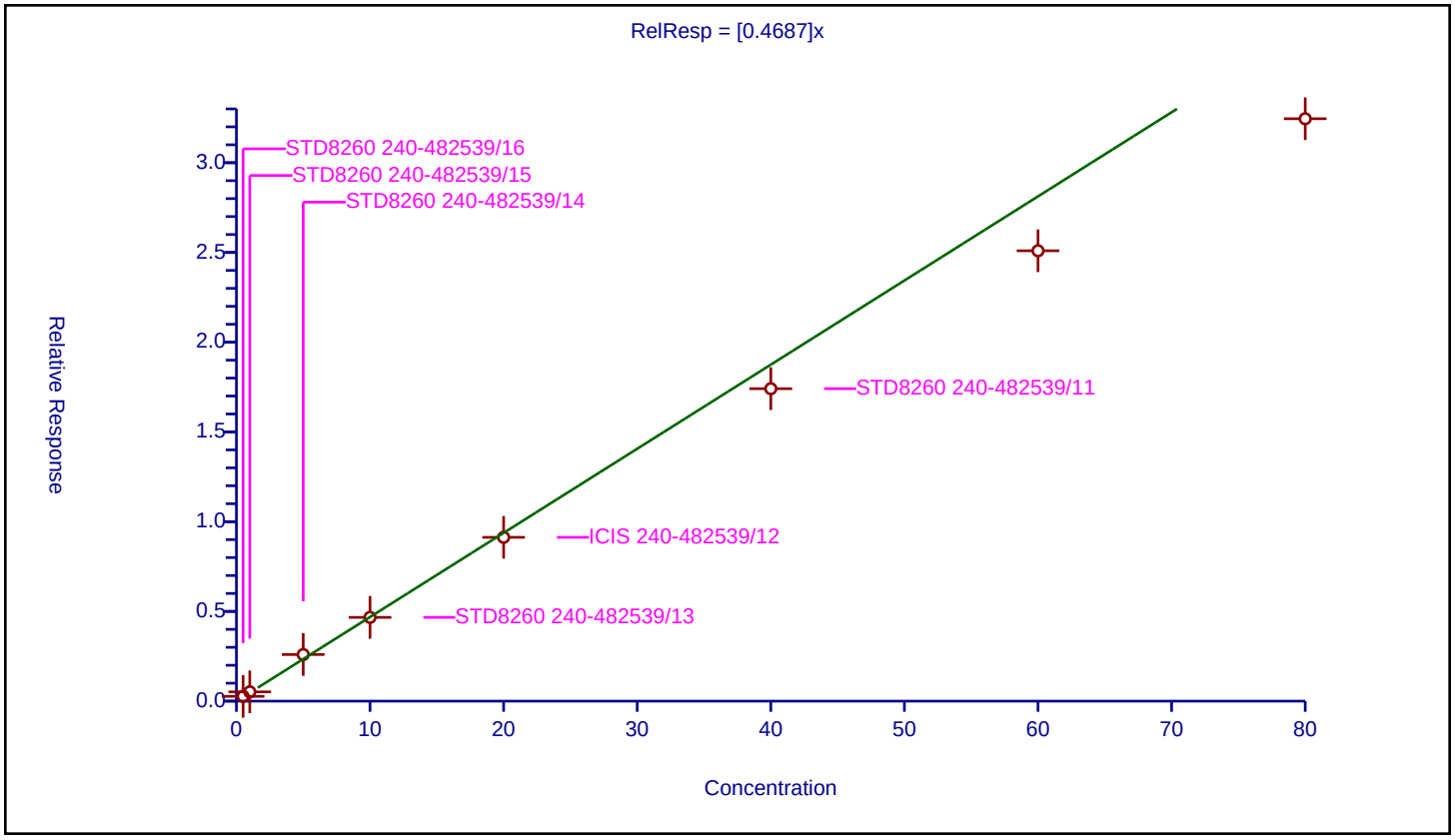
Curve Coefficients

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

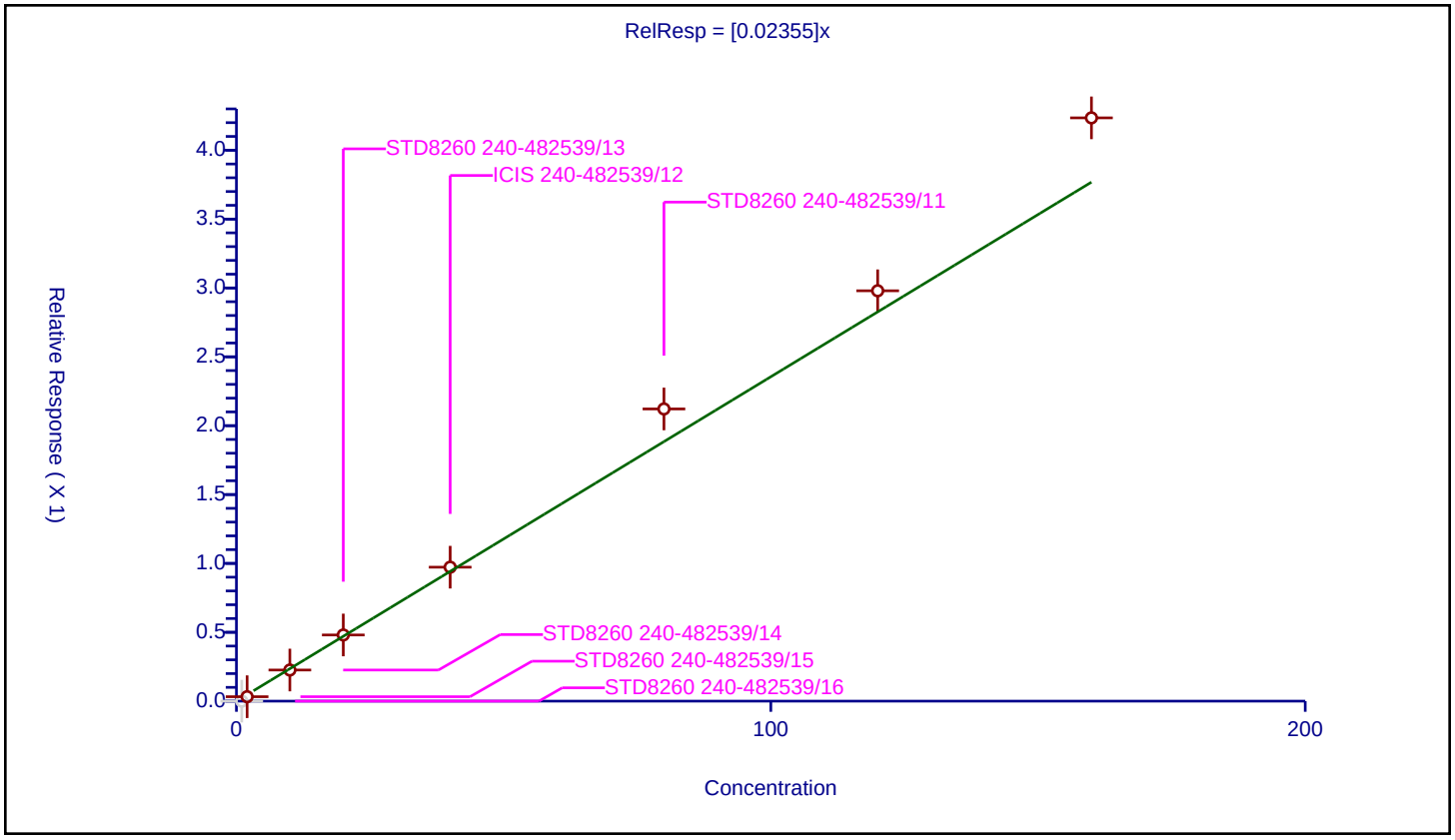
Curve Coefficients

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

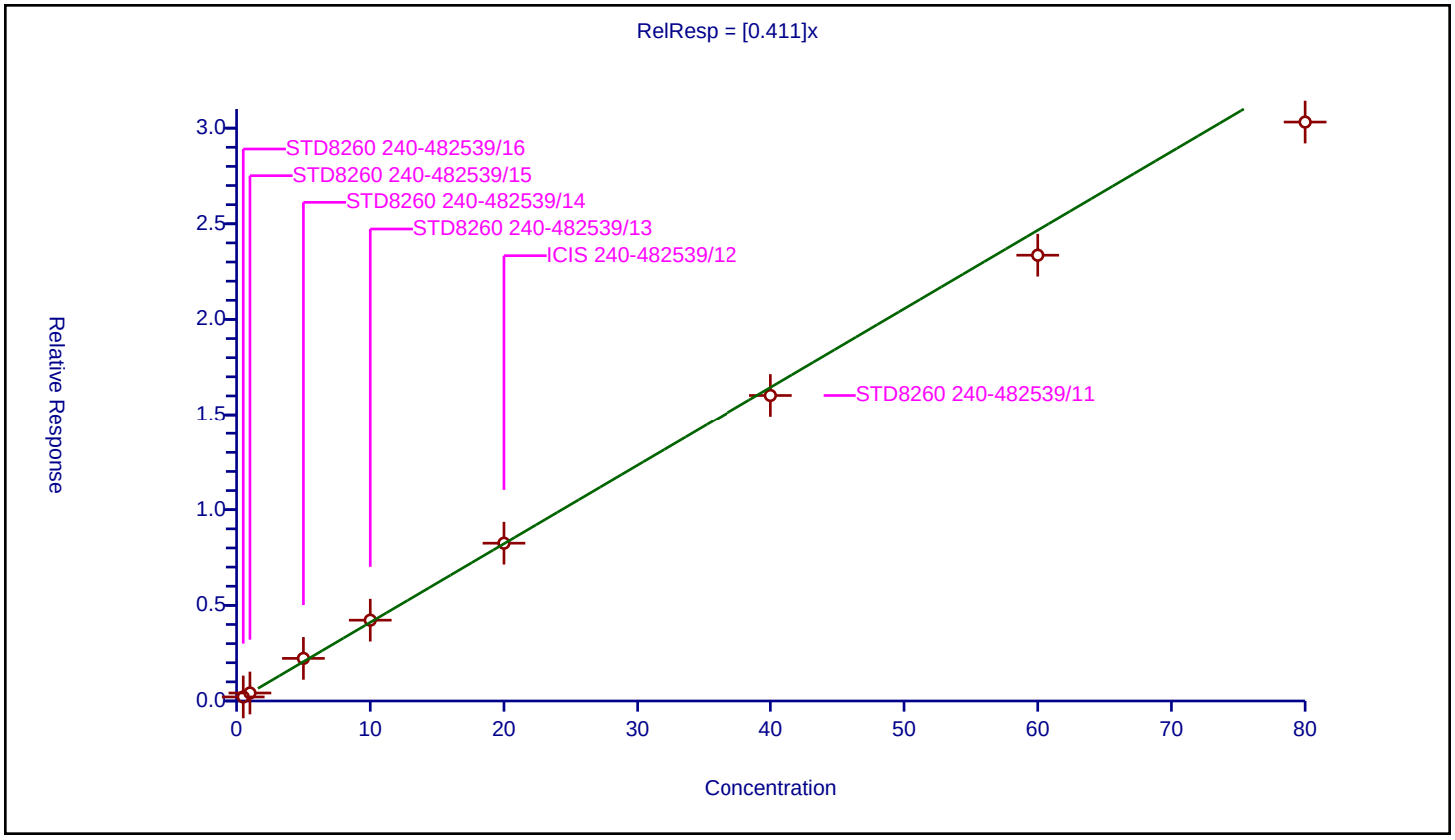
Curve Coefficients

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

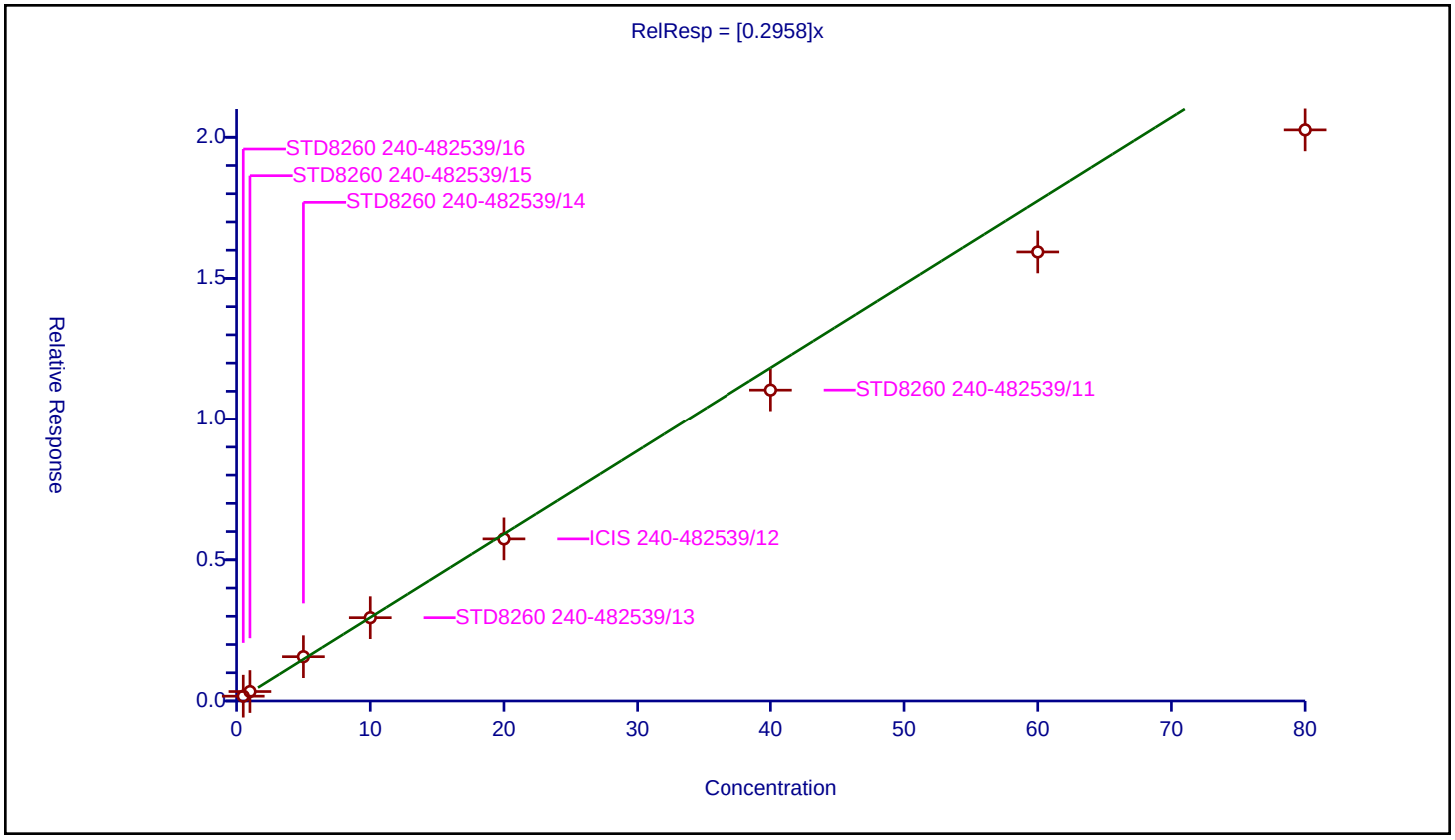
Curve Coefficients

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

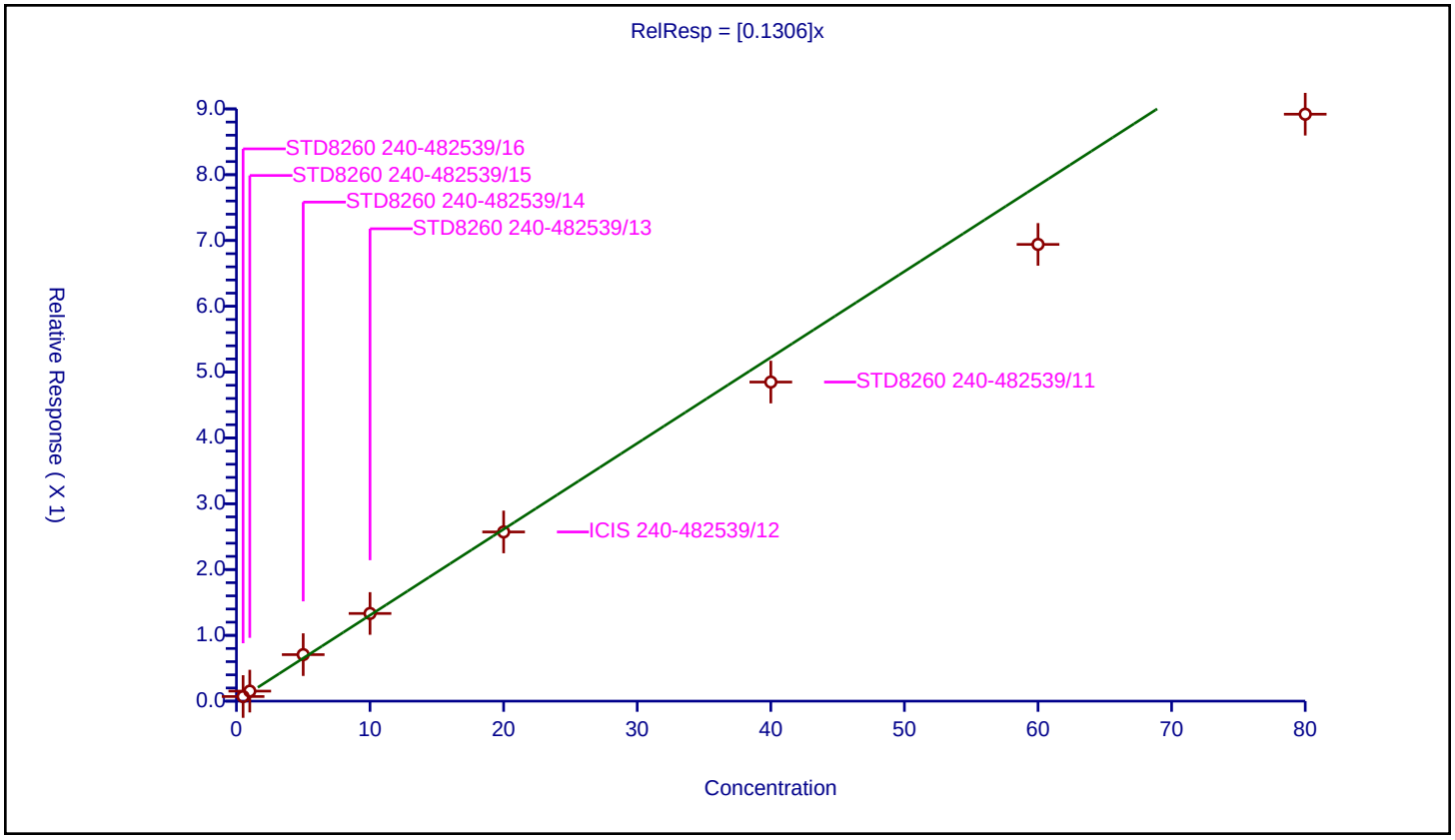
Curve Coefficients

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

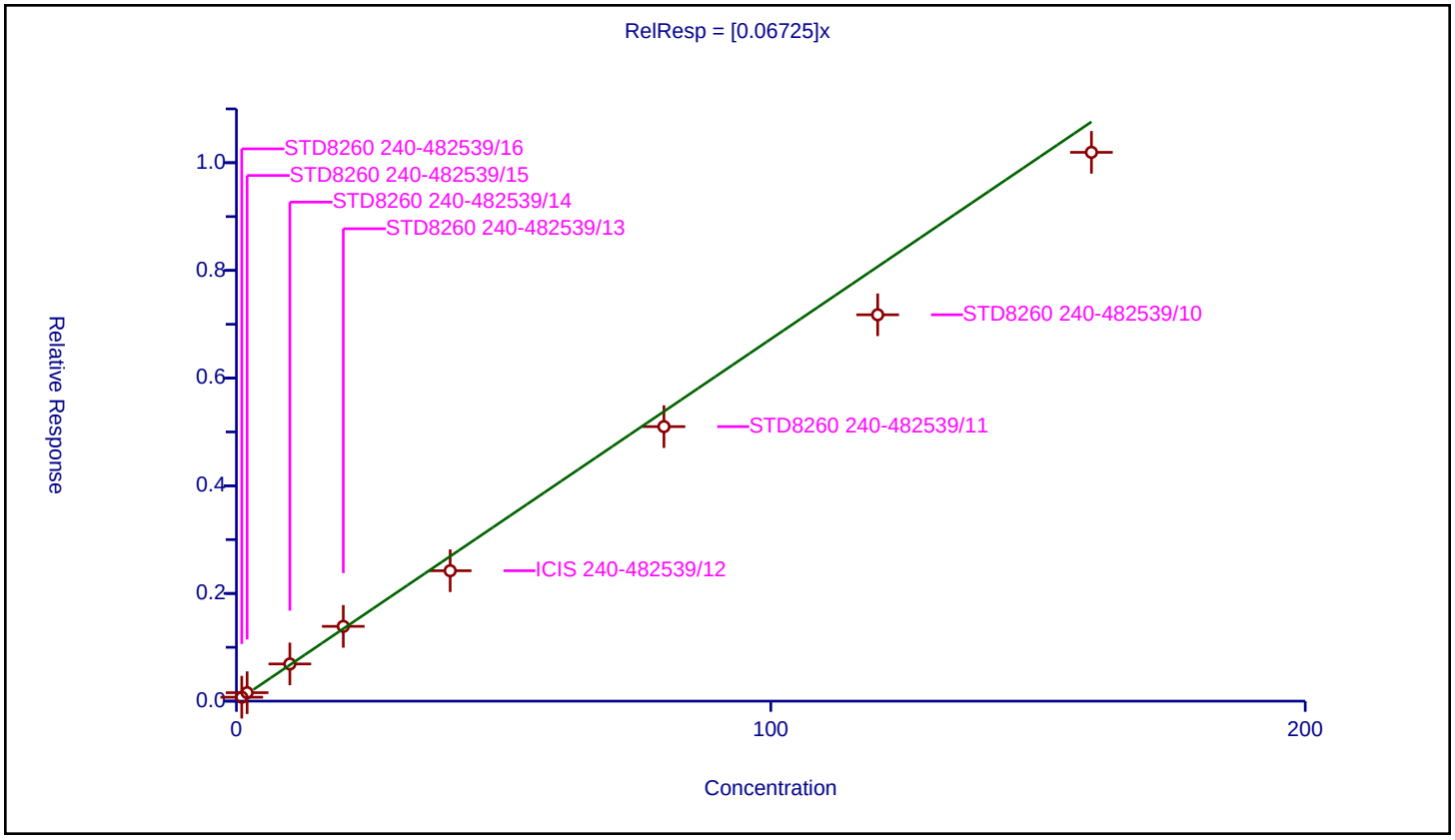
Curve Coefficients

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

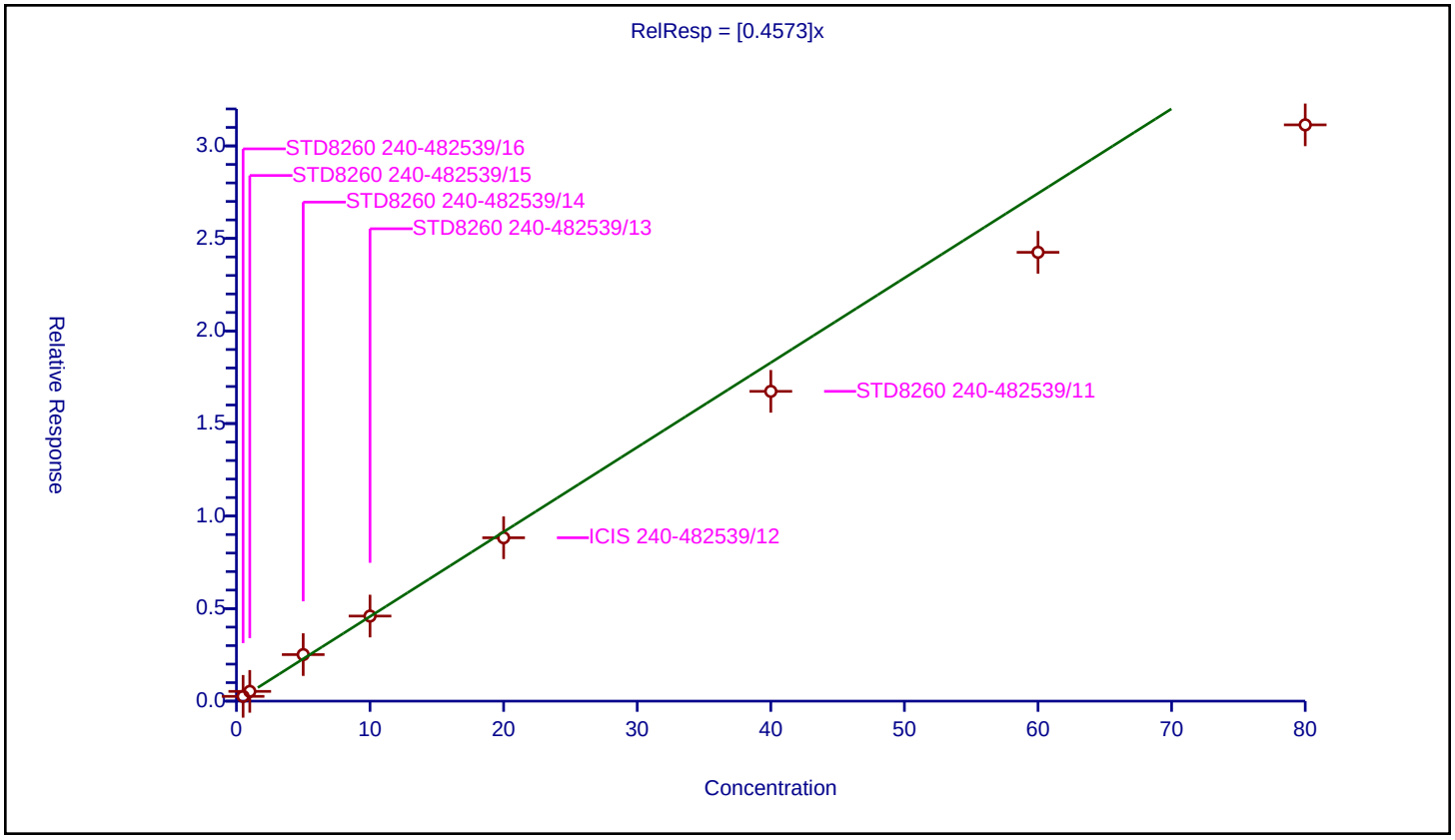
Curve Coefficients

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



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

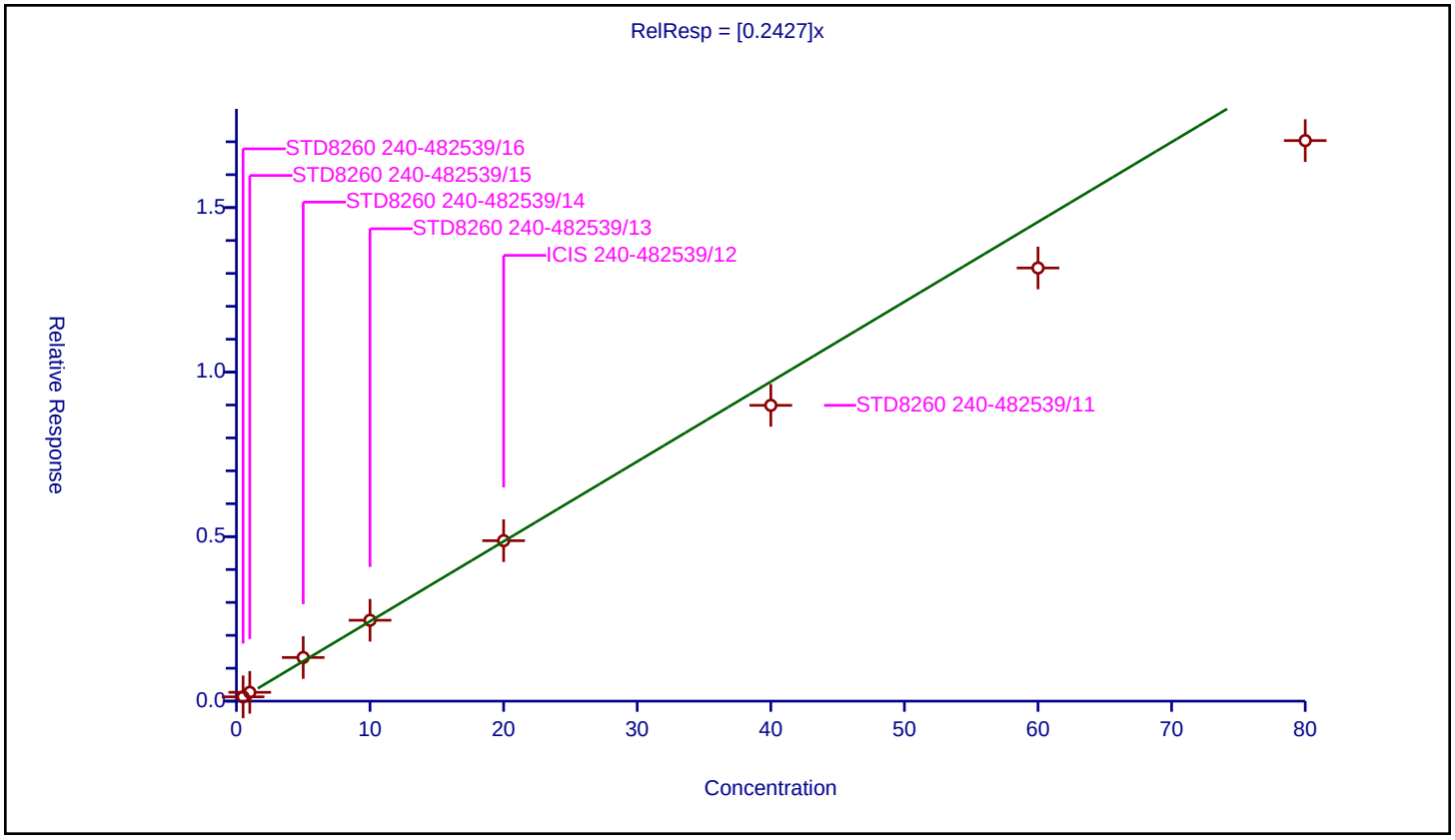
Curve Coefficients

Intercept:	0
Slope:	0.2427

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

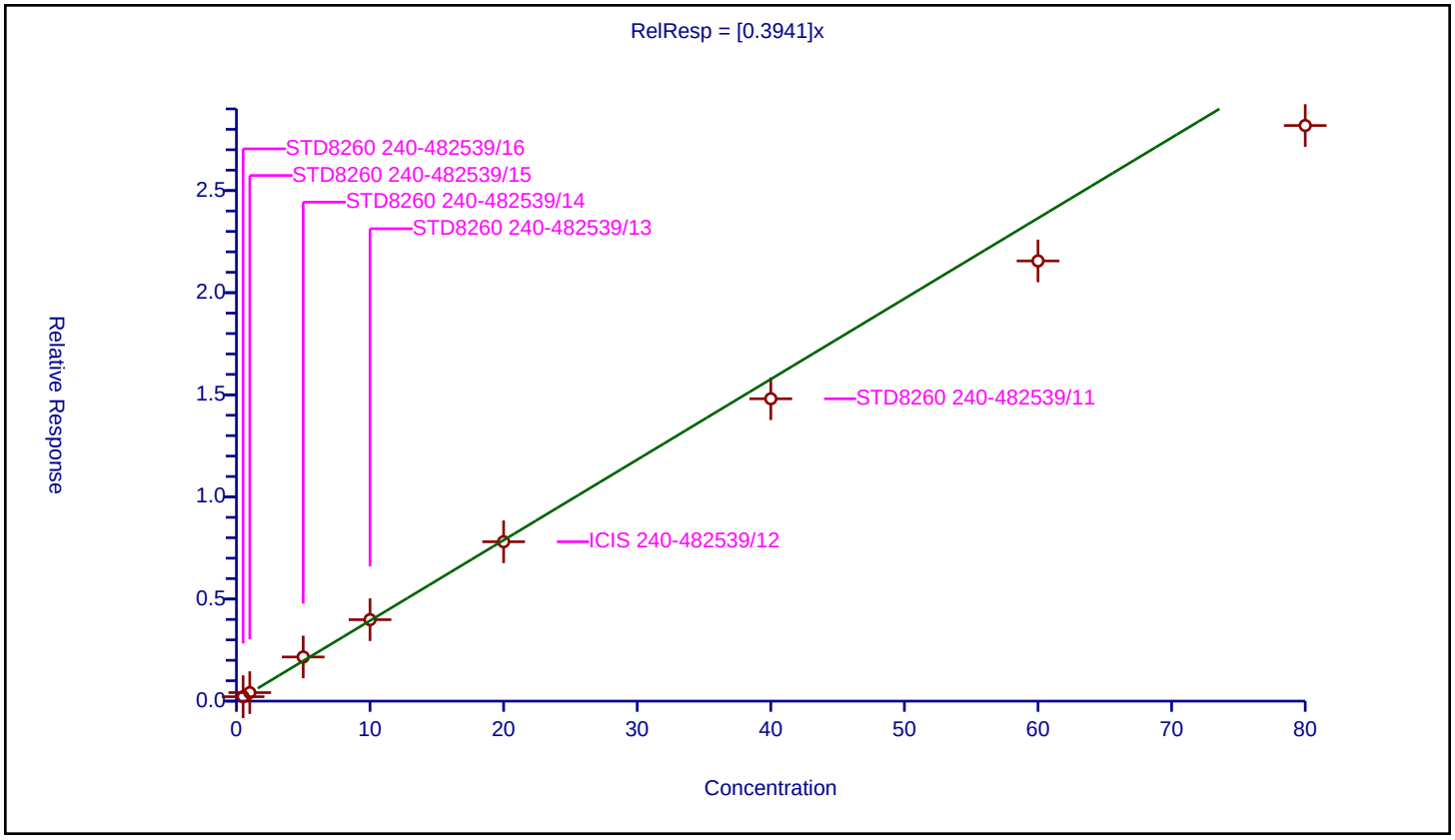
Curve Coefficients

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

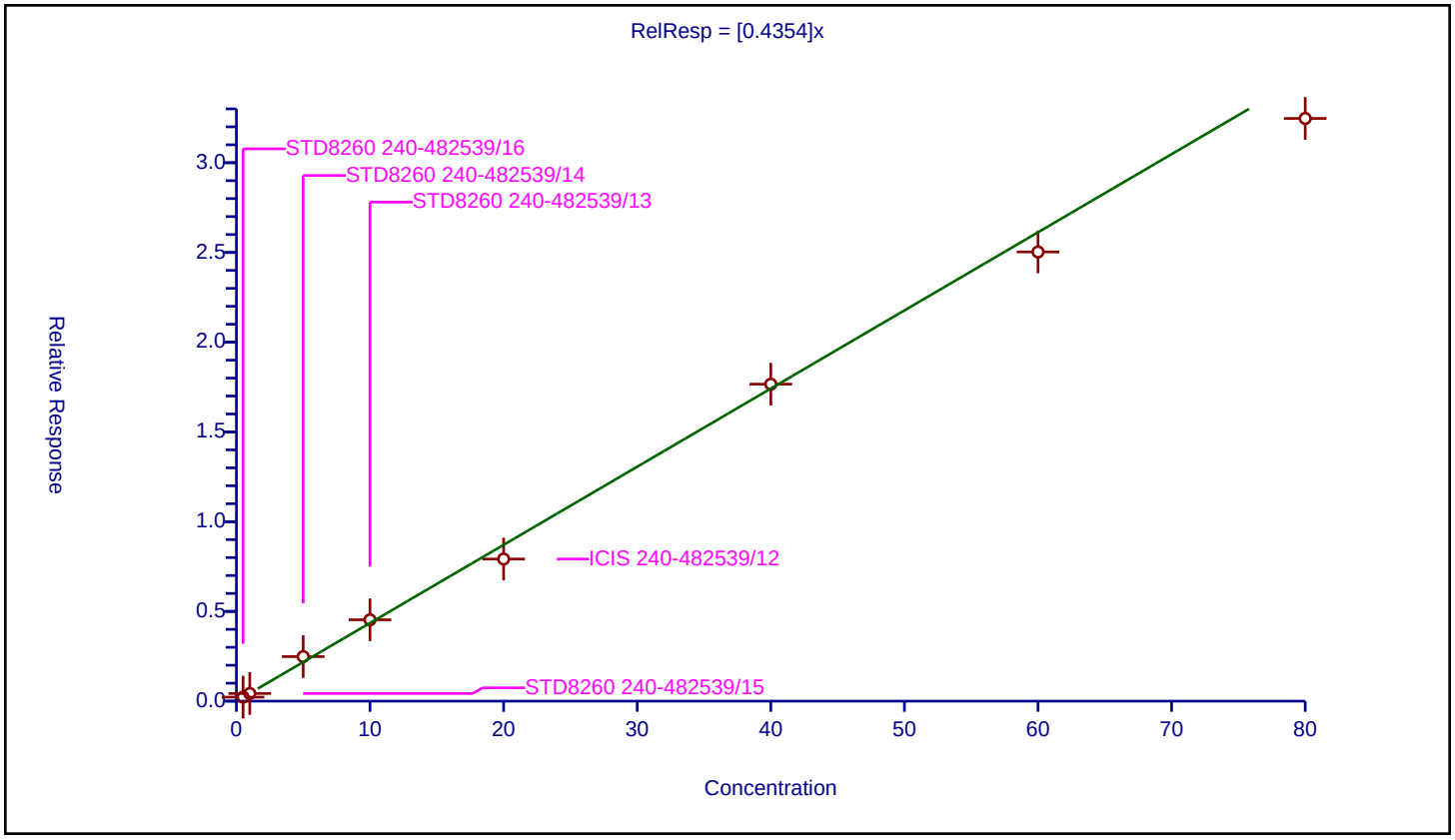
Curve Coefficients

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

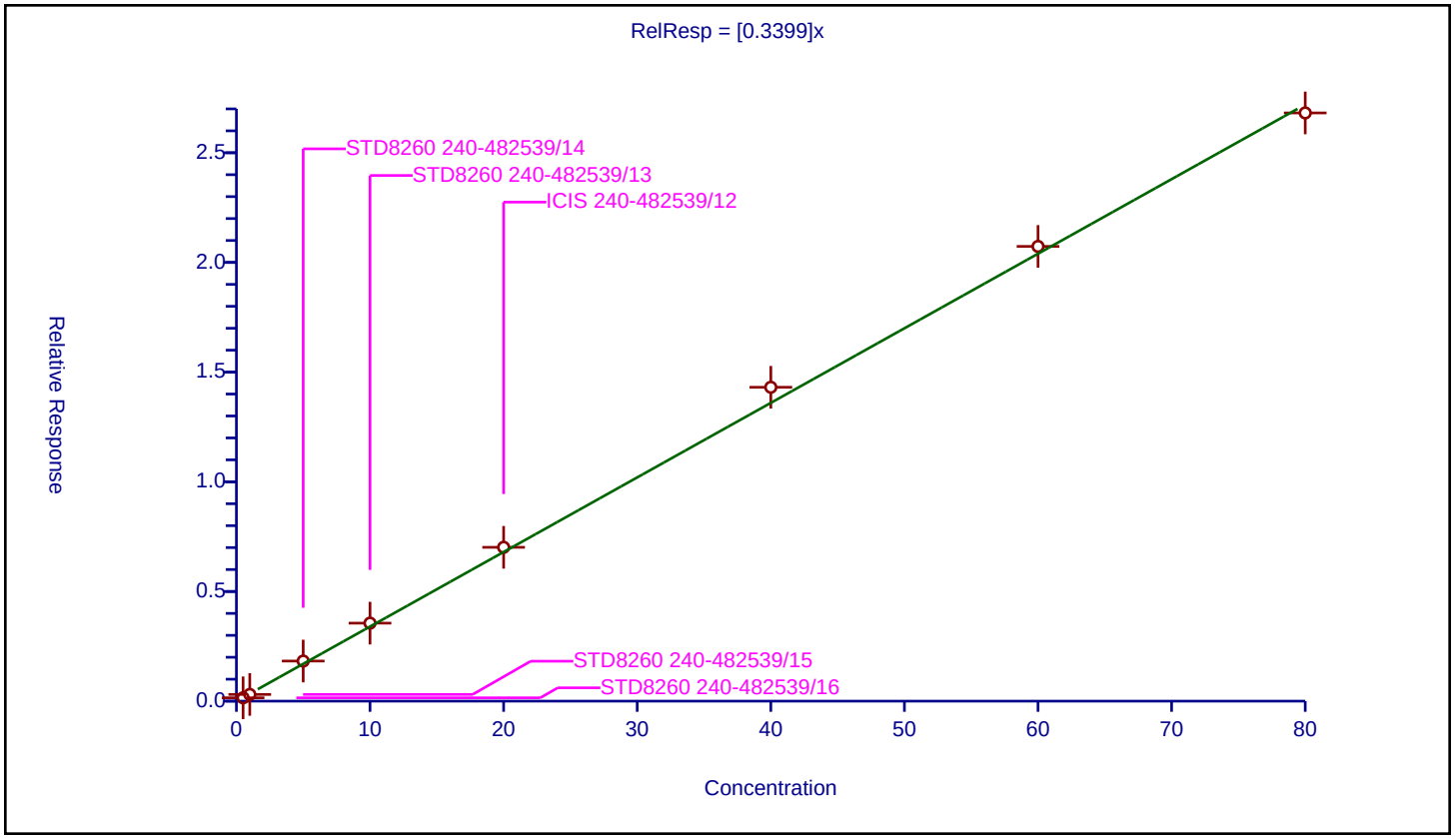
Curve Coefficients

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

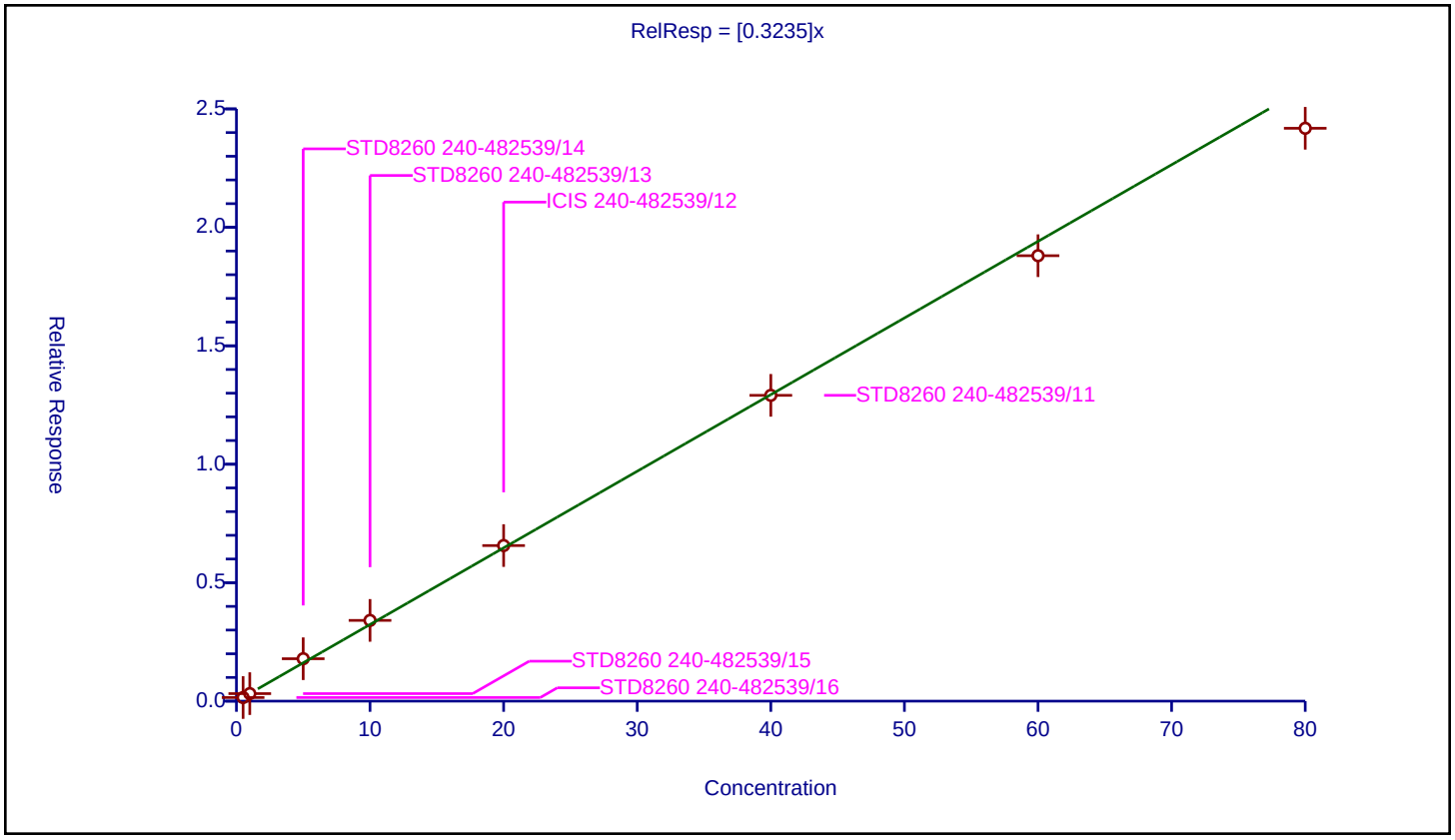
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

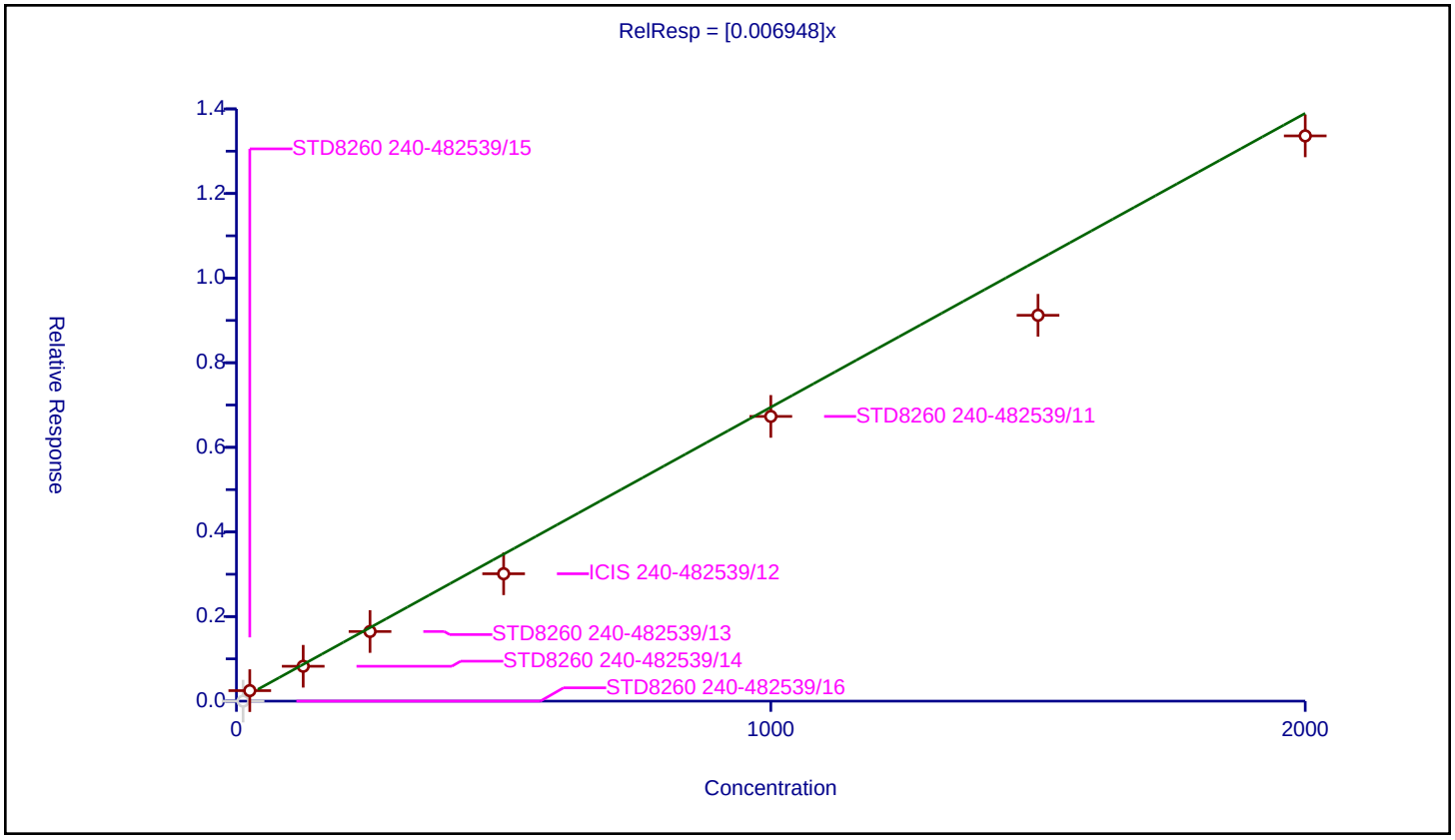
Curve Coefficients

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

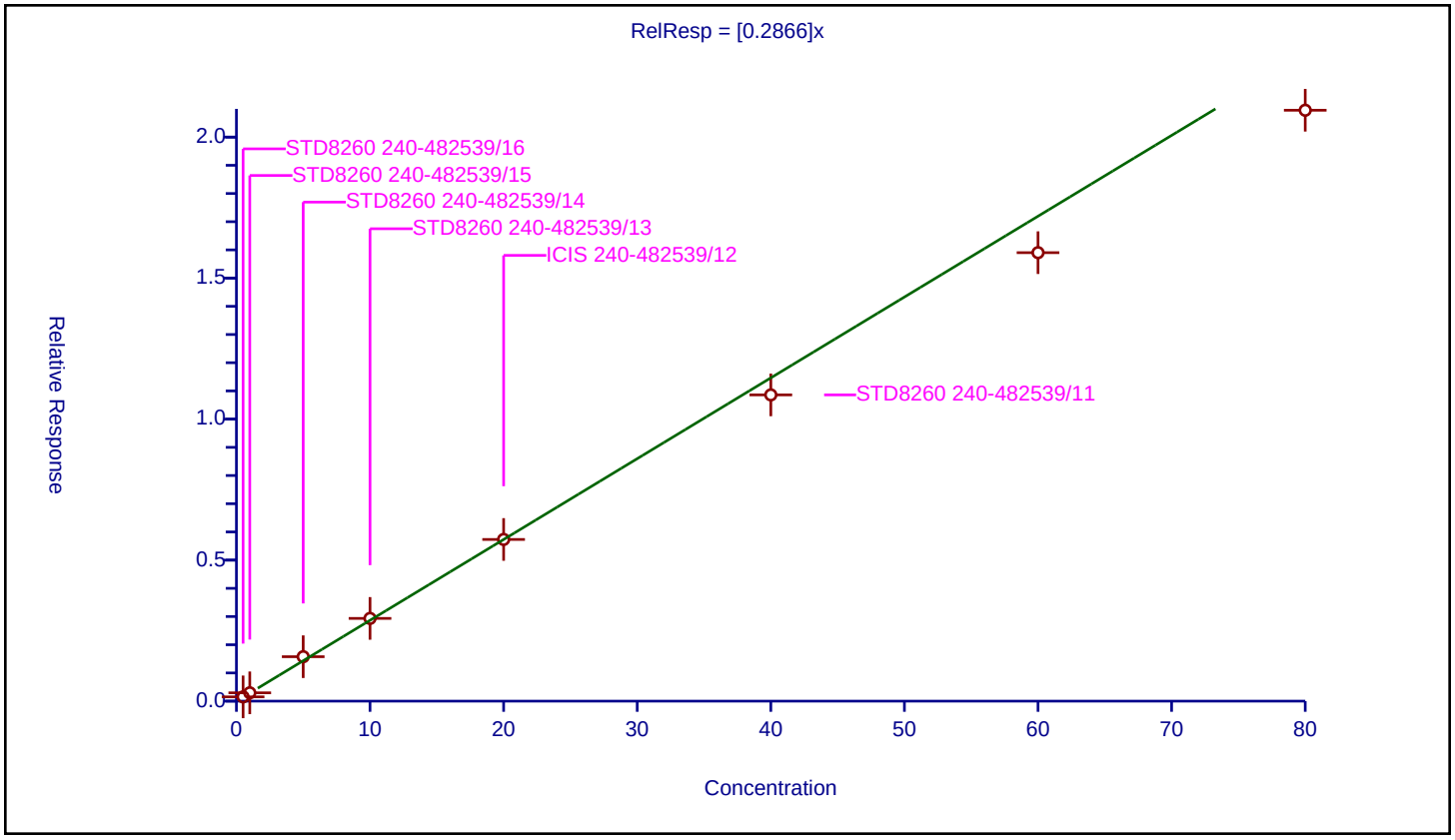
Curve Coefficients

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

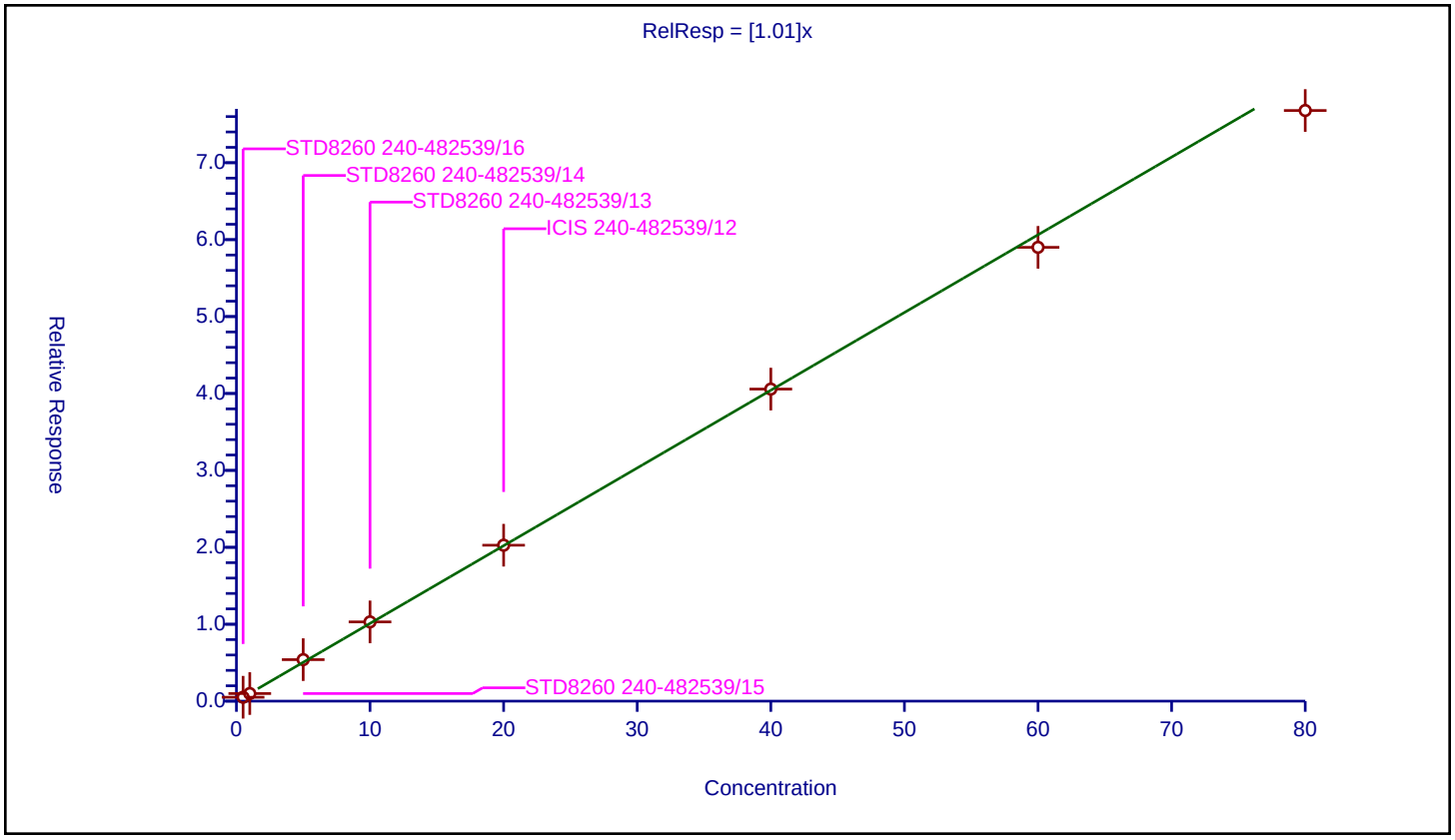
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

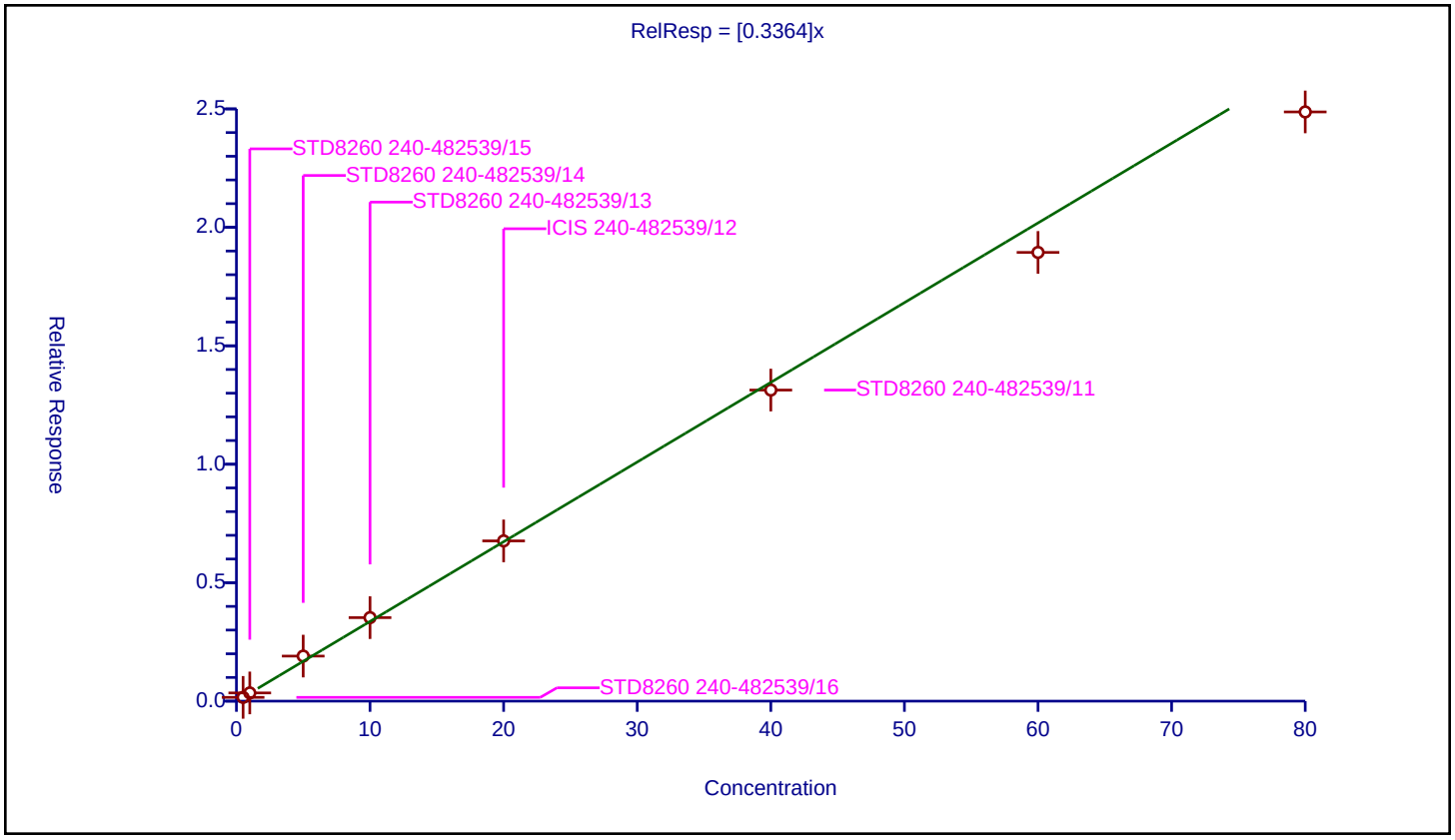
Curve Coefficients

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

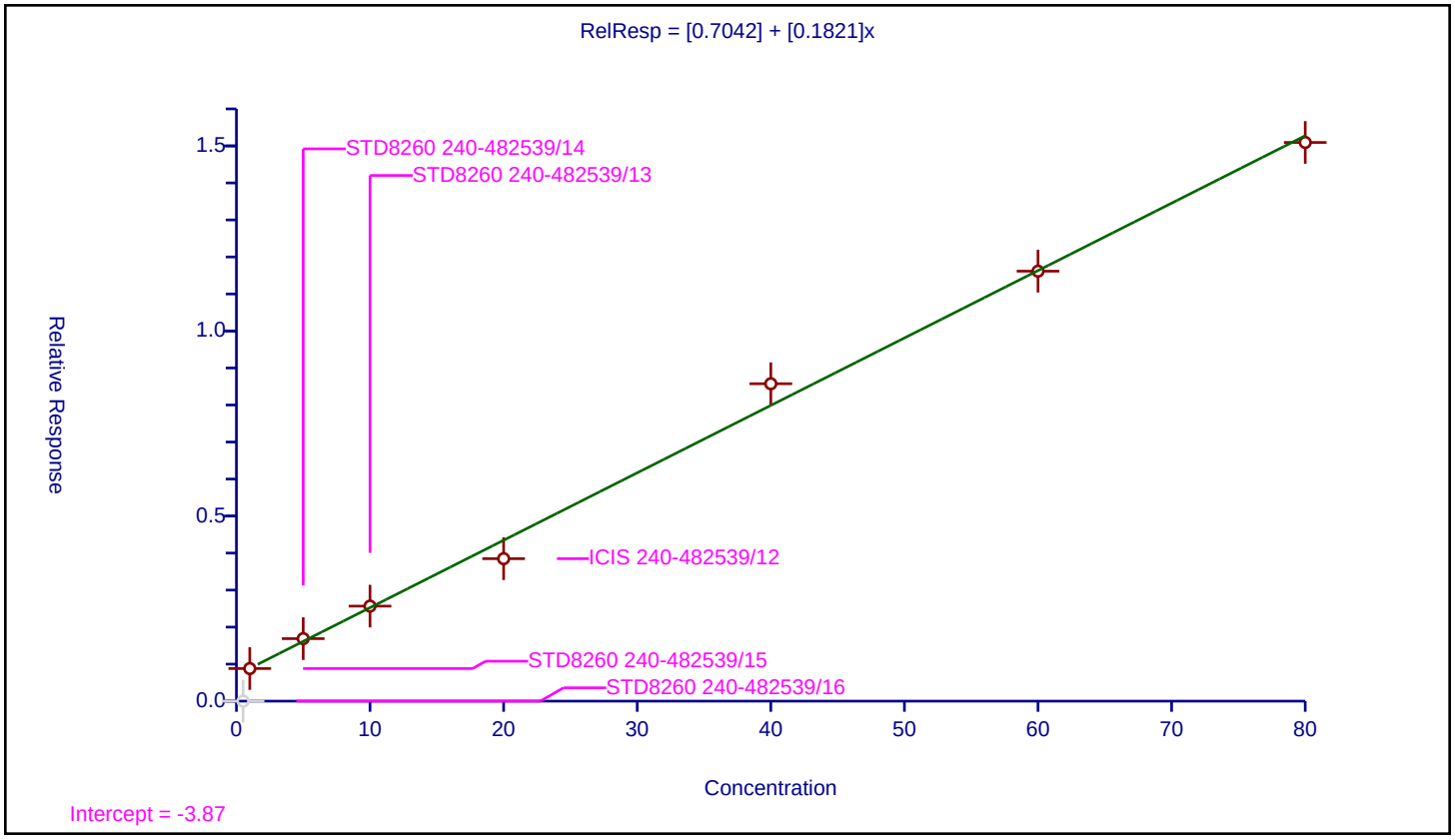
Curve Coefficients

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

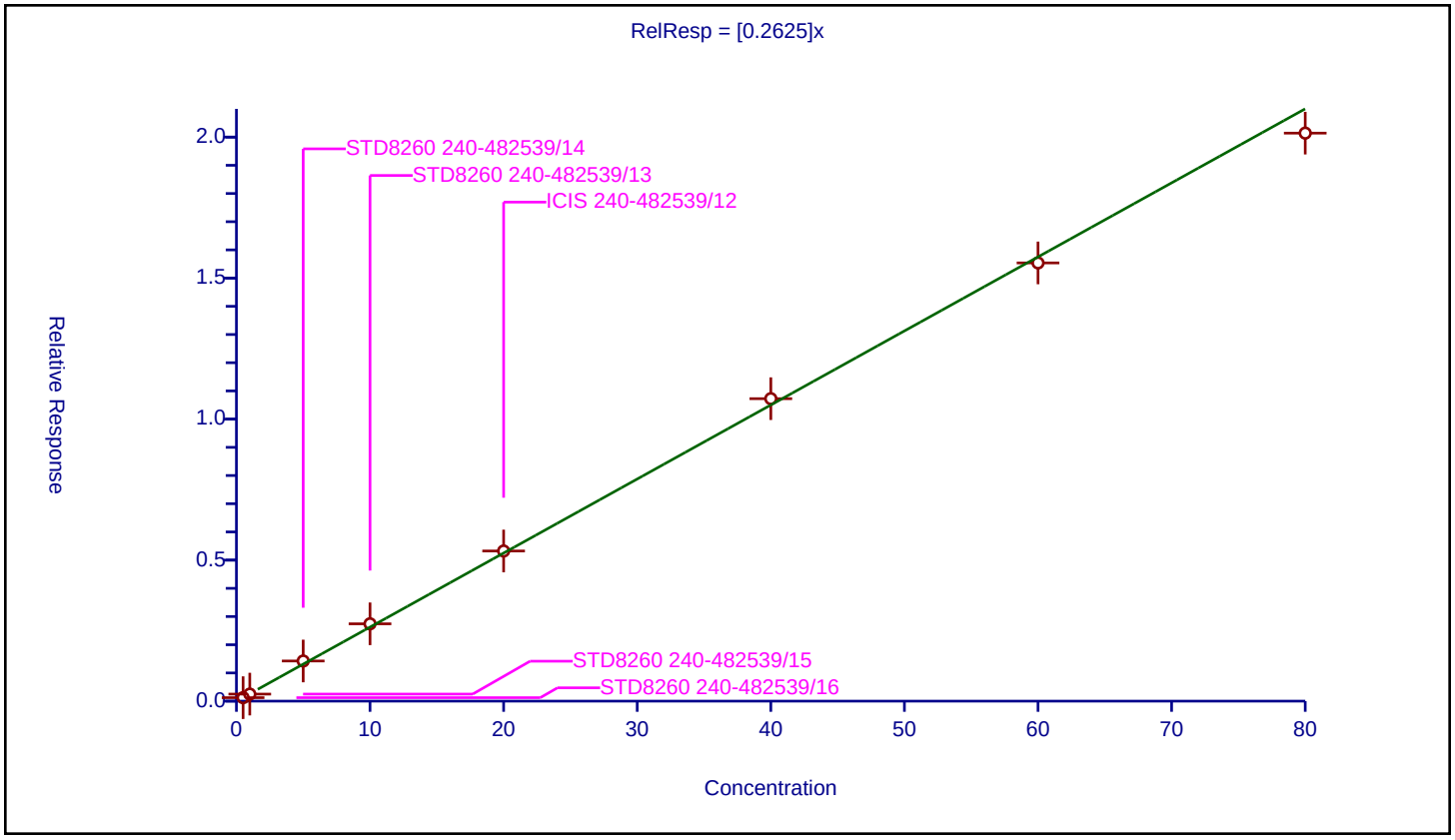
Curve Coefficients

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

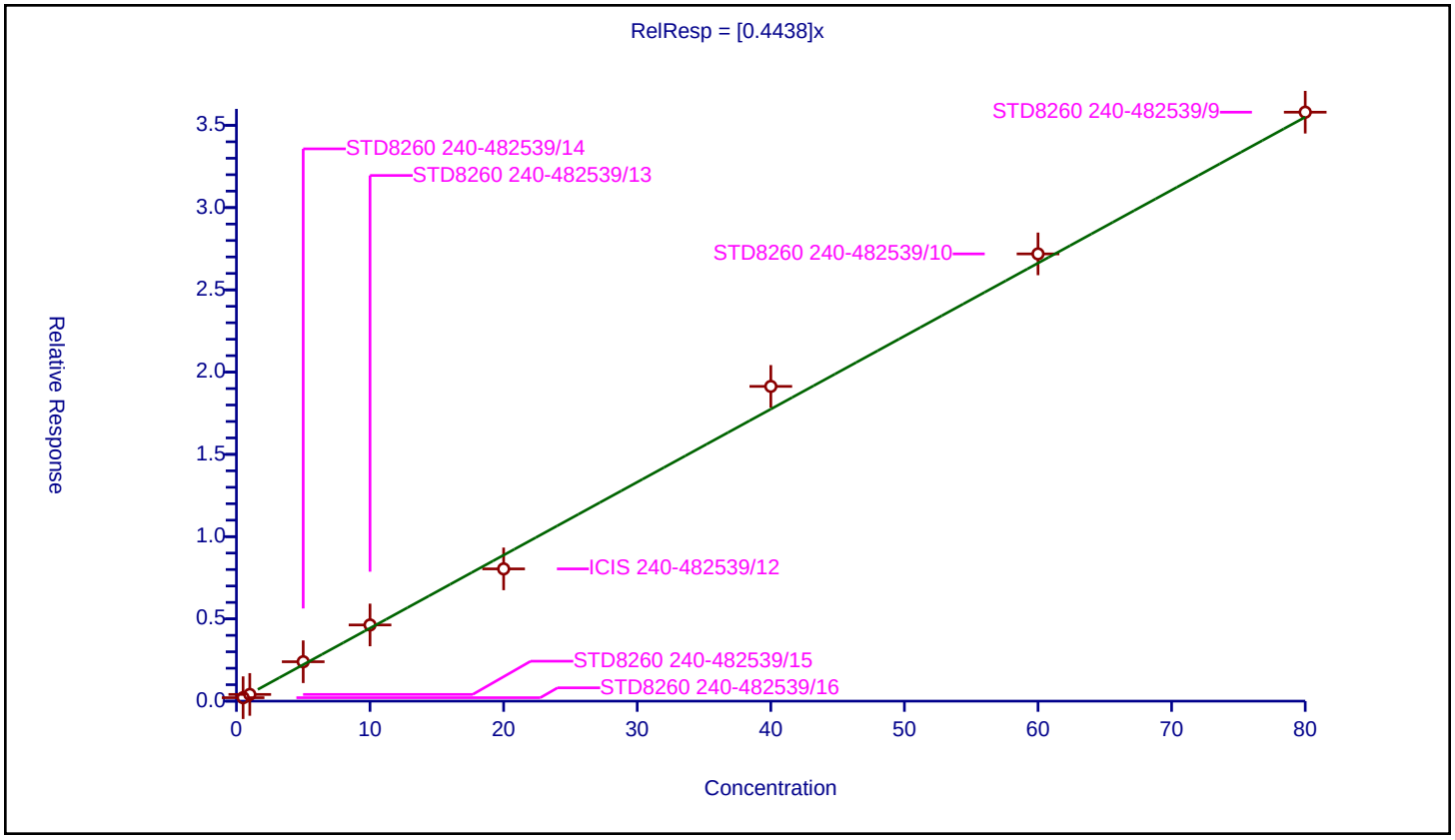
Curve Coefficients

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

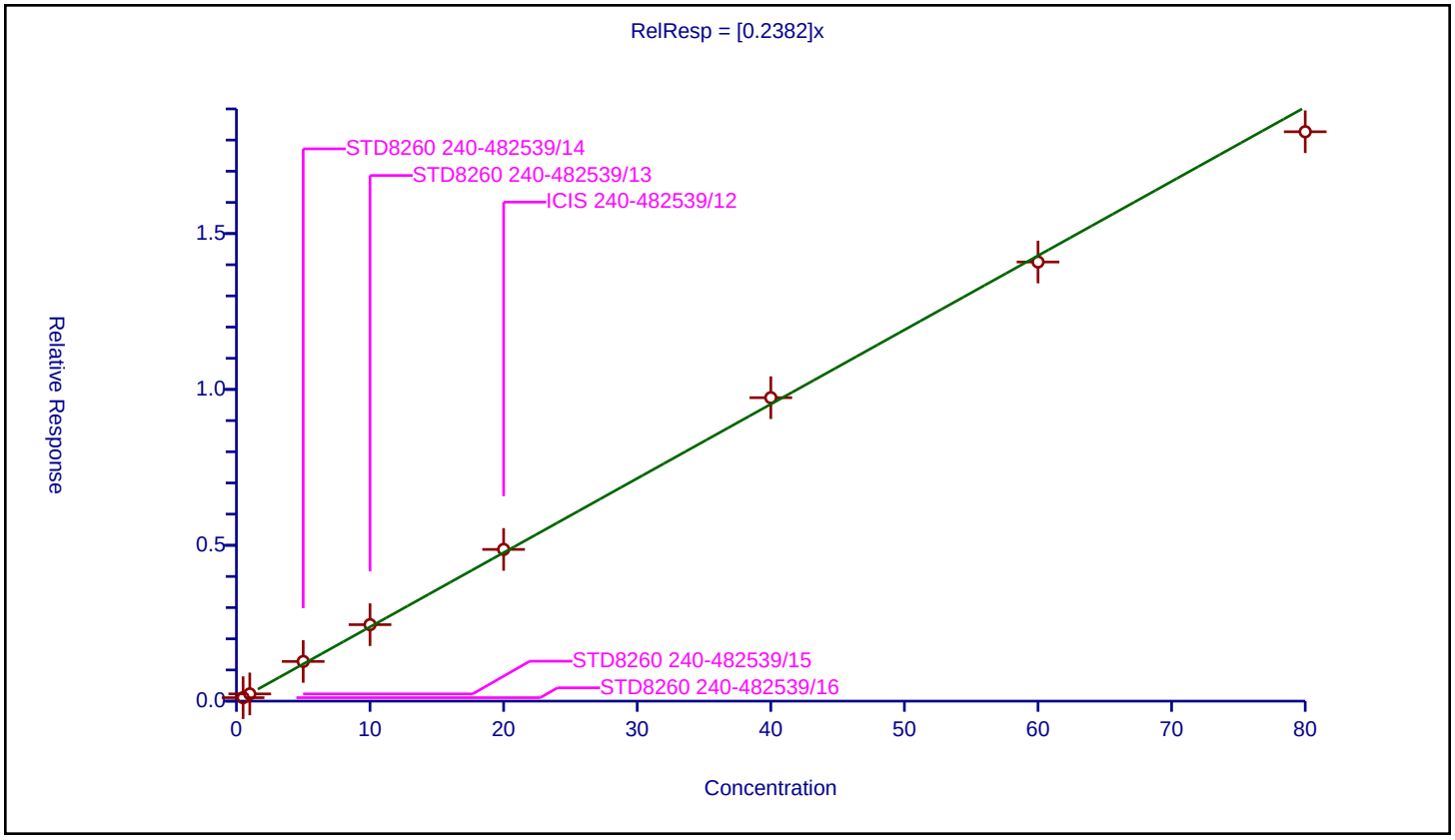
Curve Coefficients

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

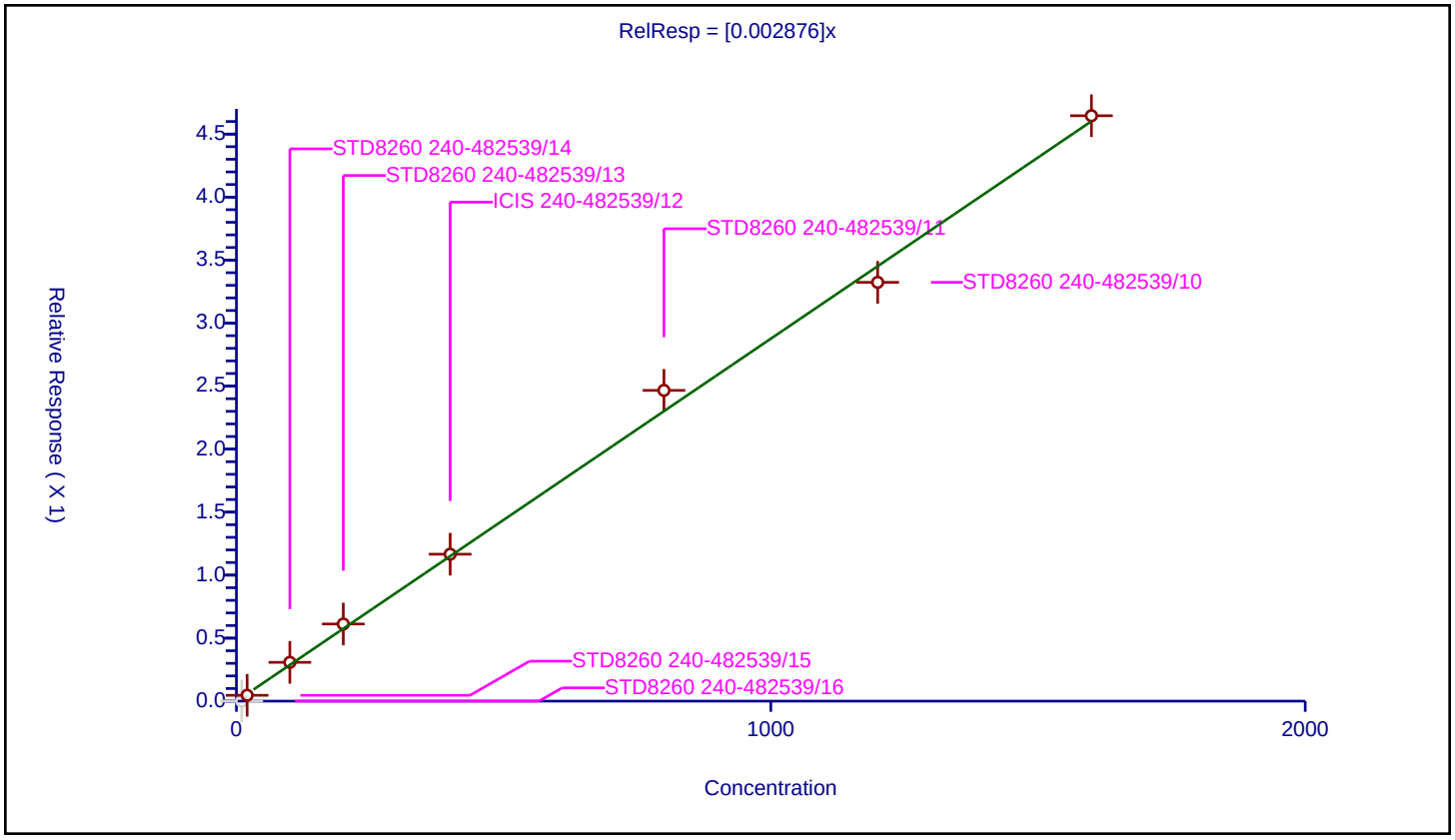
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

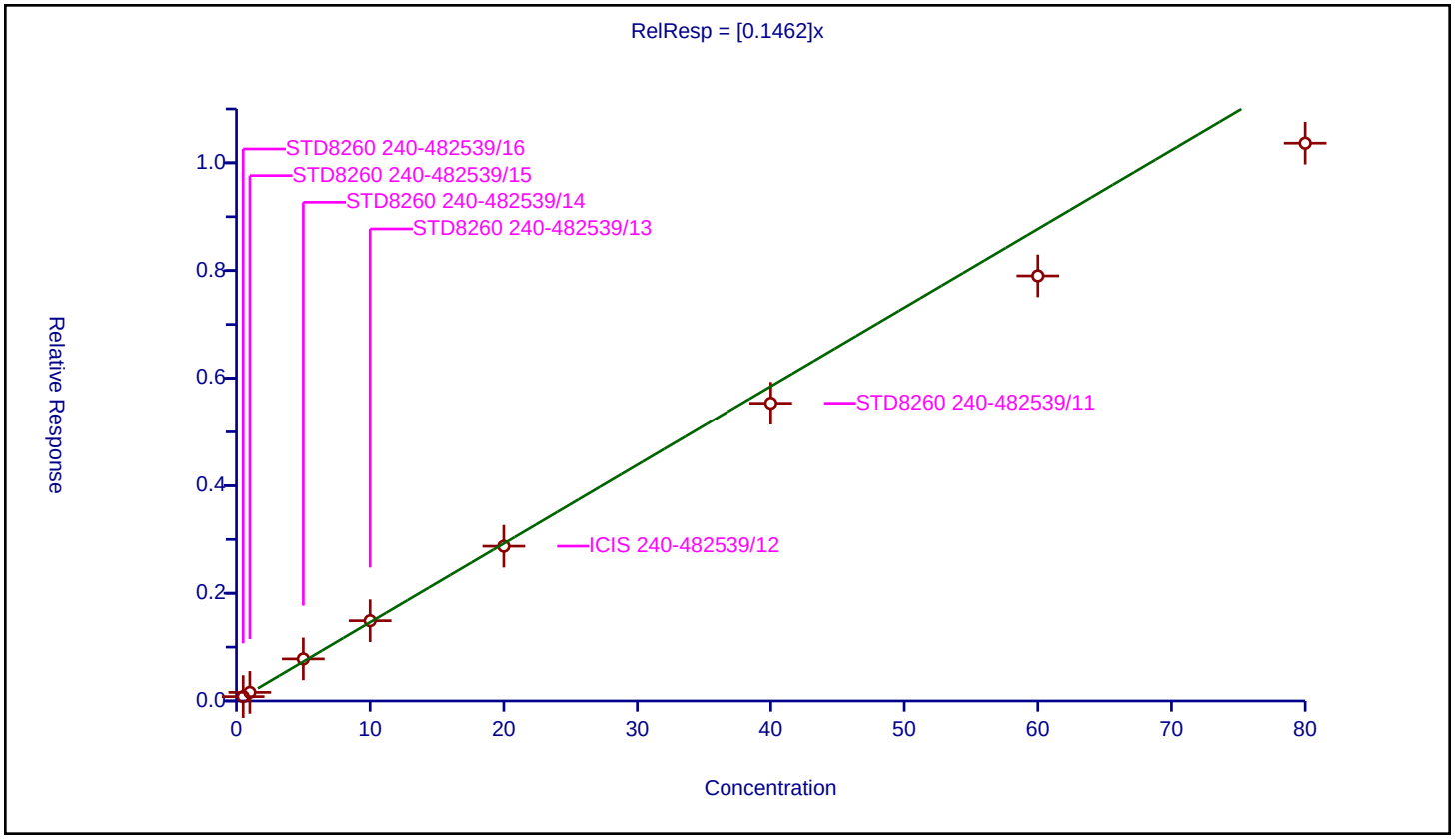
Curve Coefficients

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

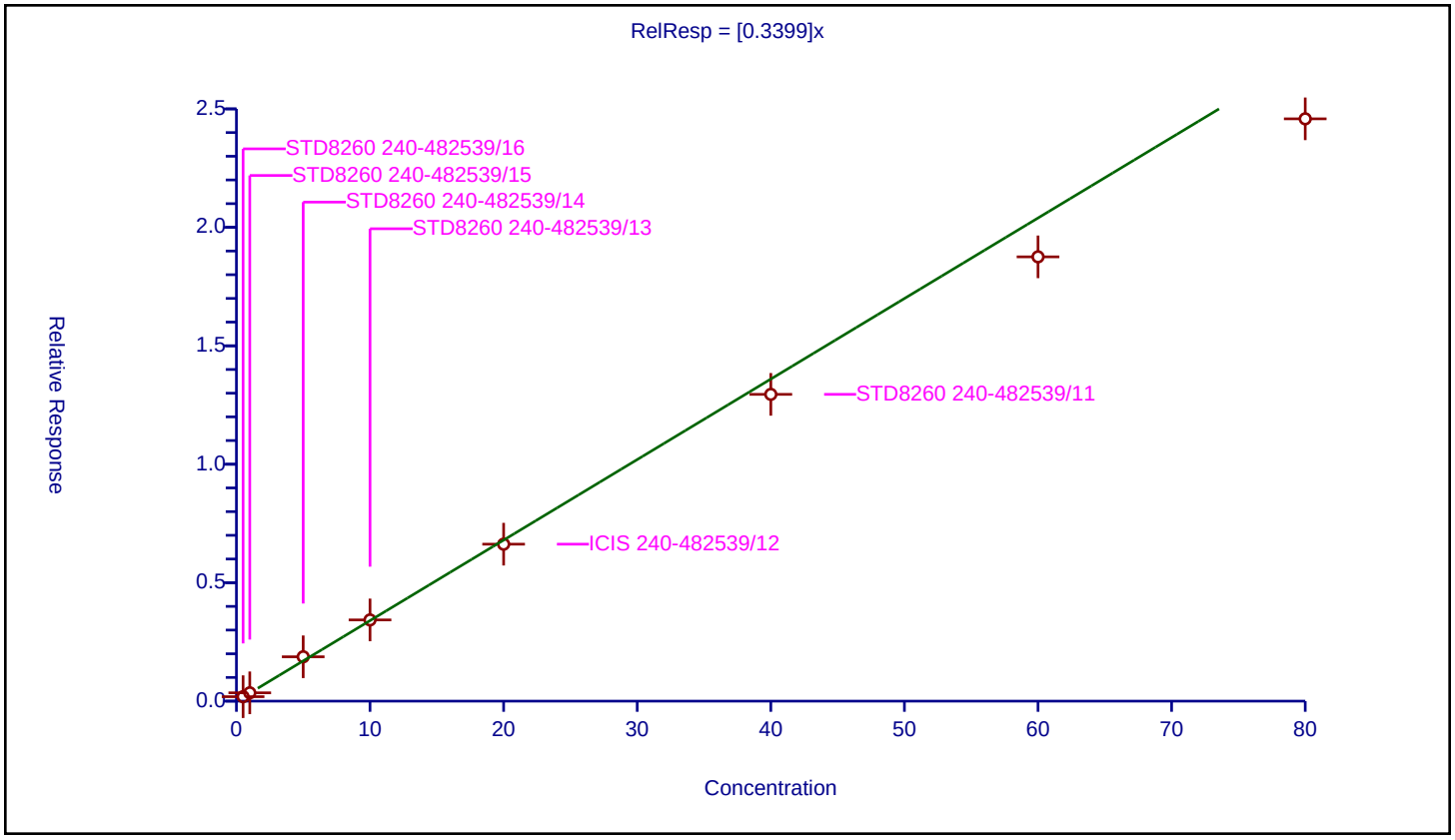
Curve Coefficients

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

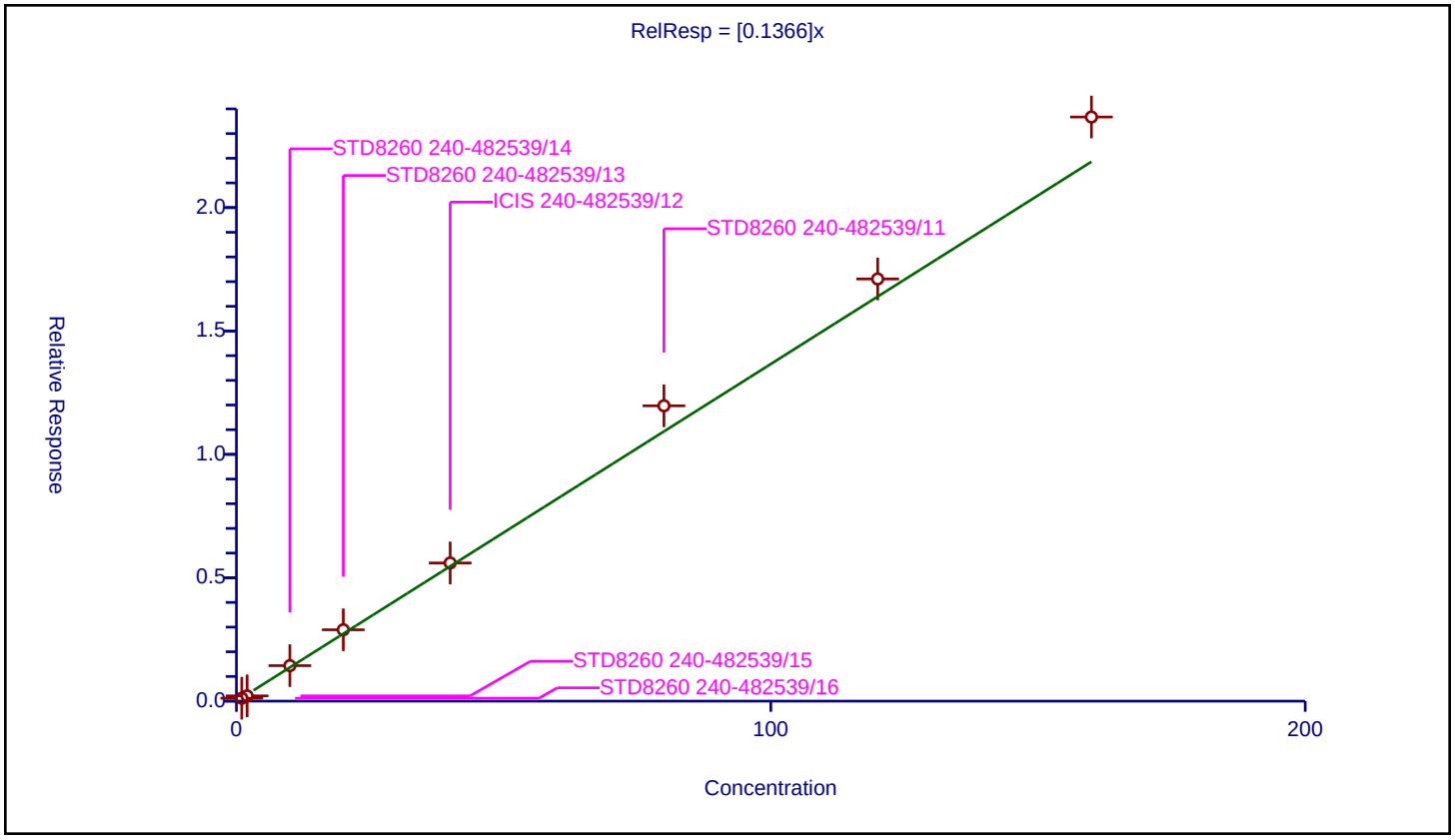
Curve Coefficients

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

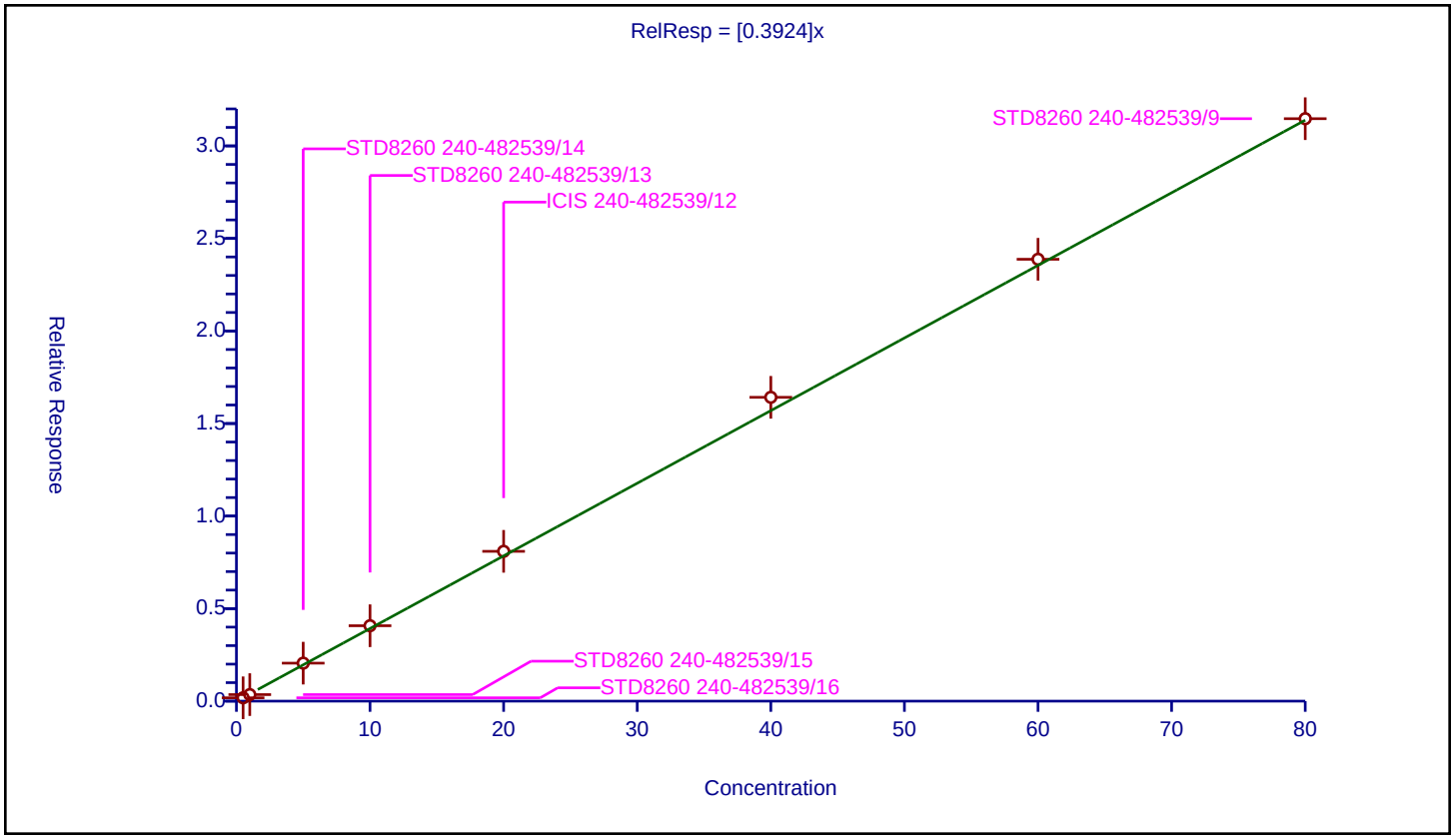
Curve Coefficients

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



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

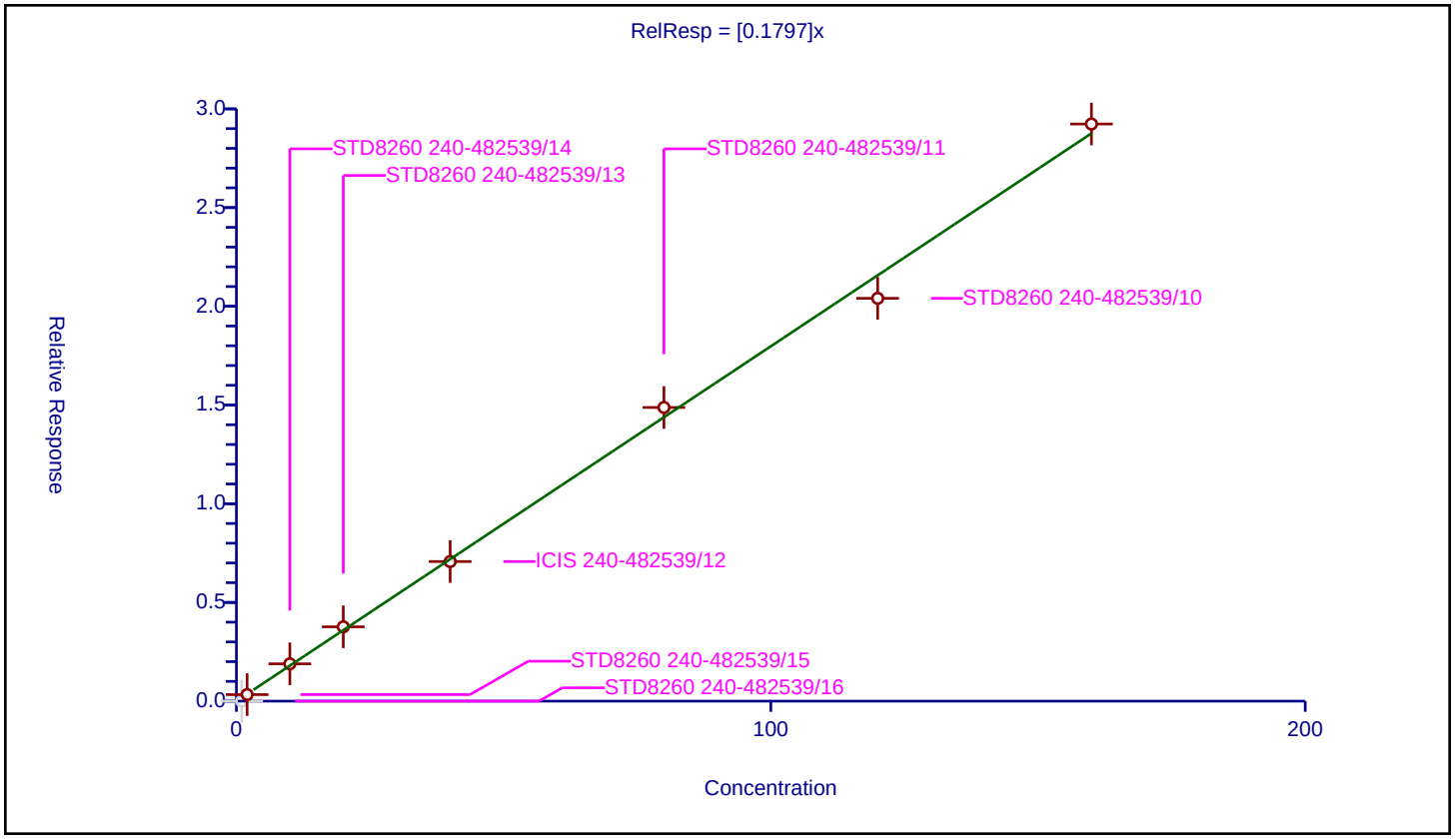
Curve Coefficients

Intercept:	0
Slope:	0.1797

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

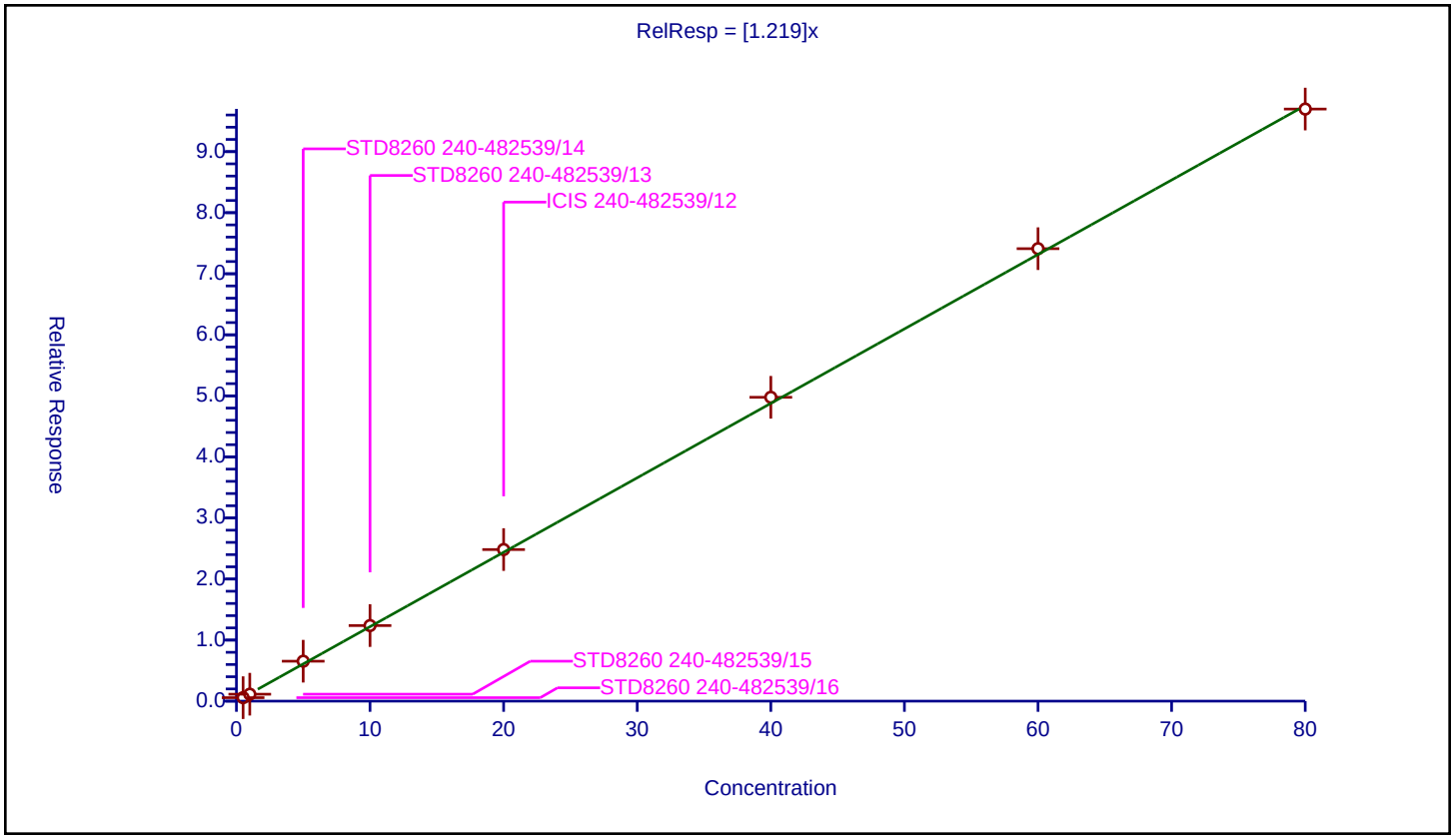
Curve Coefficients

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

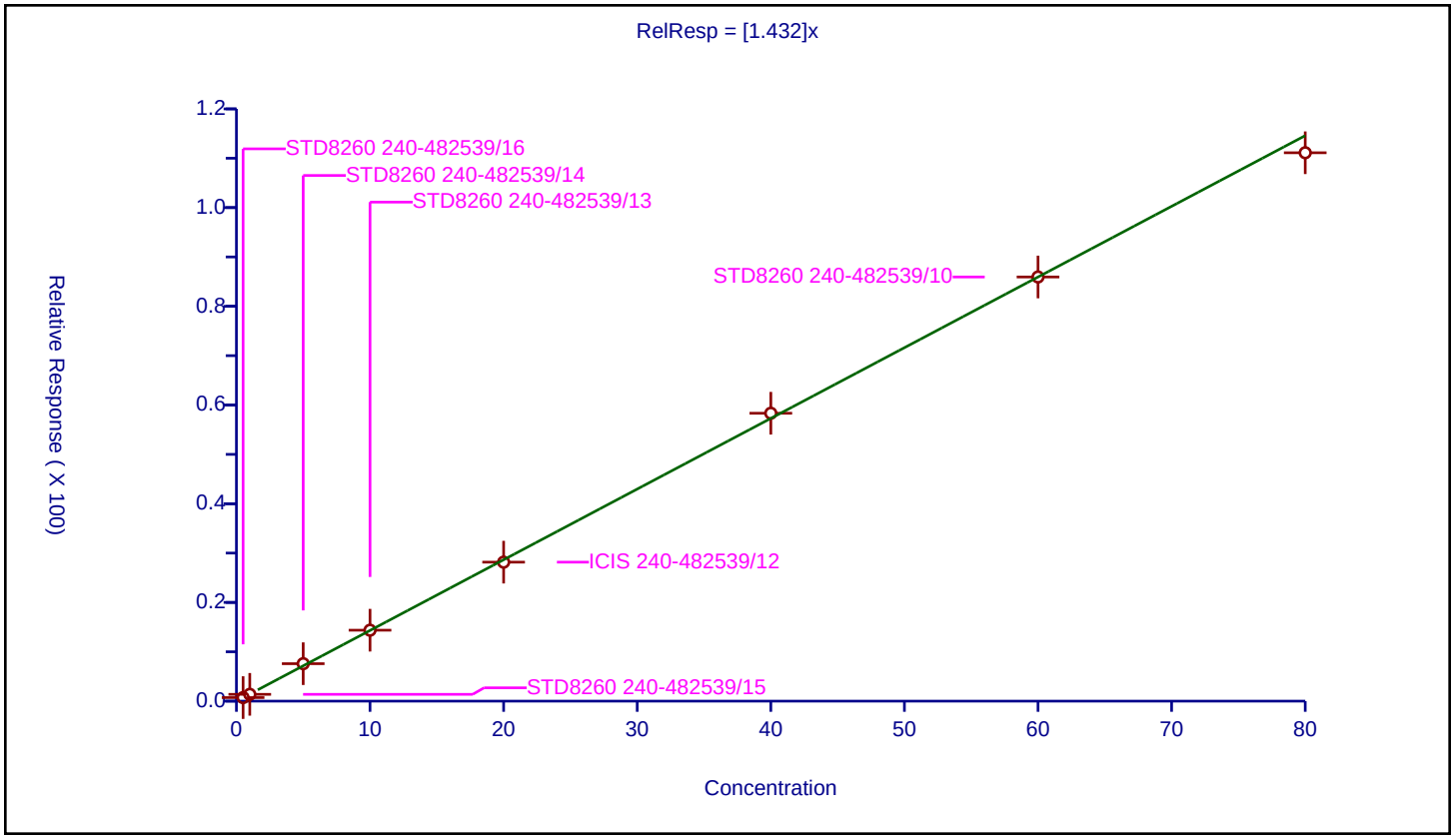
Curve Coefficients

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

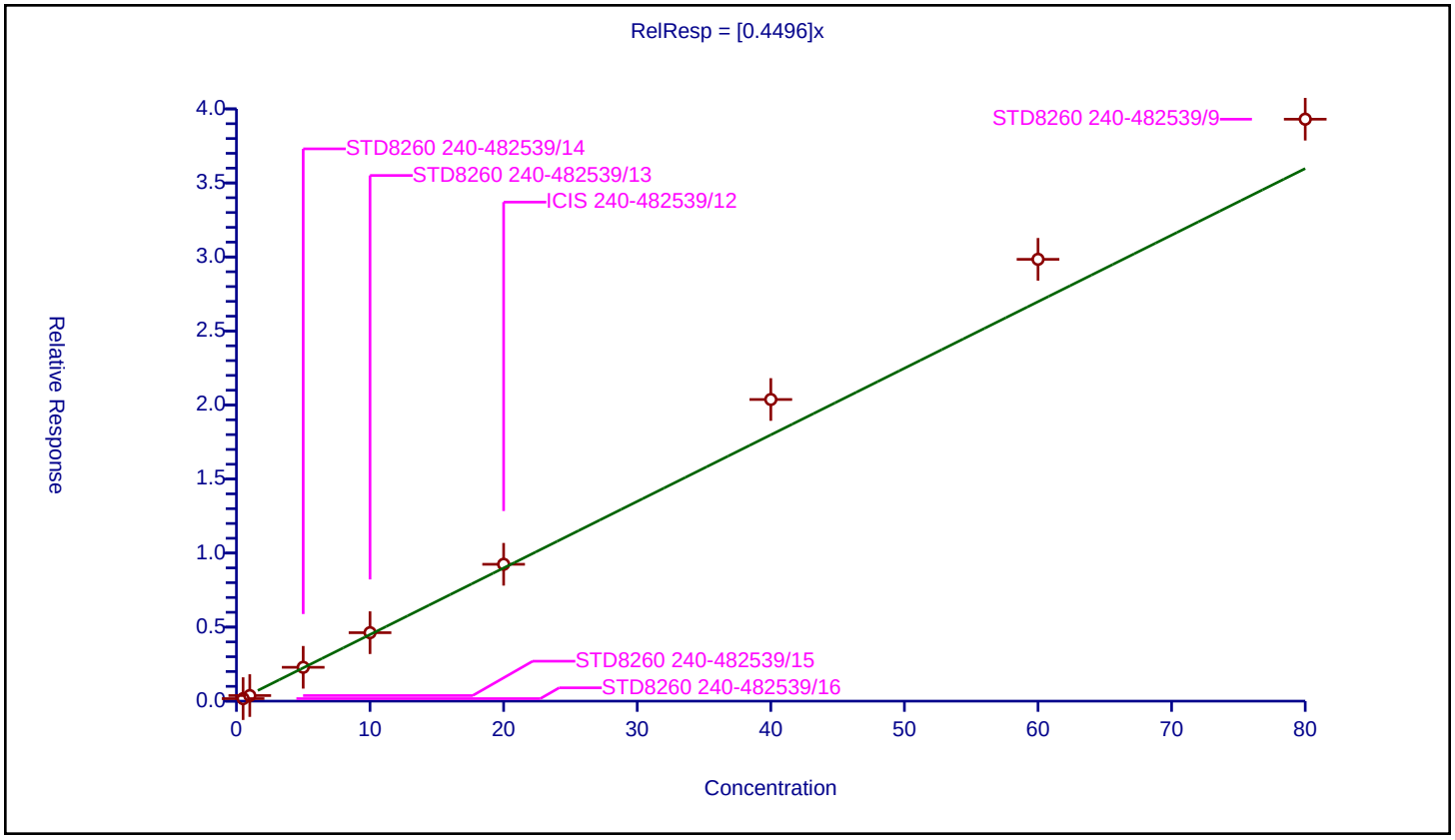
Curve Coefficients

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

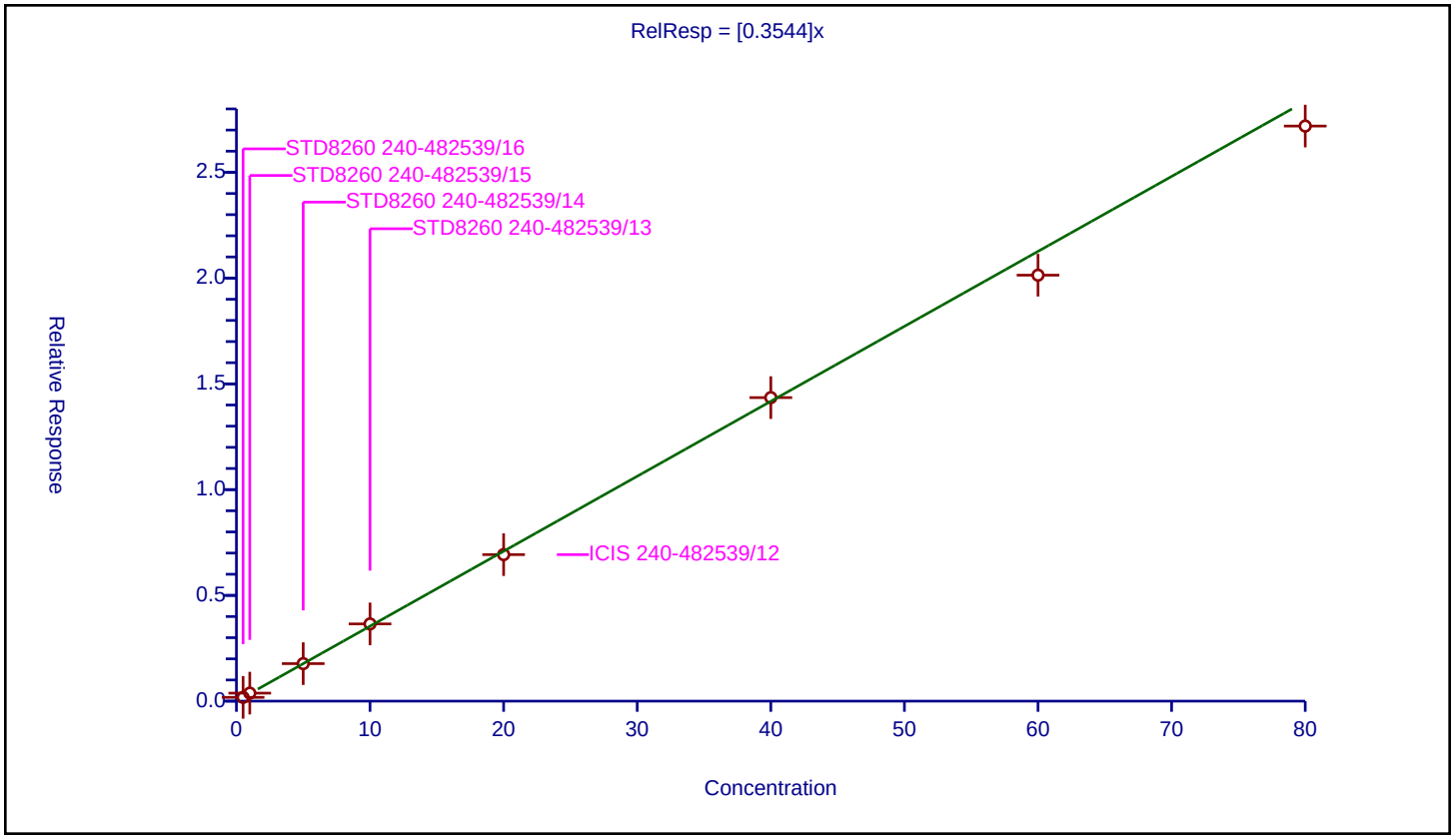
Curve Coefficients

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

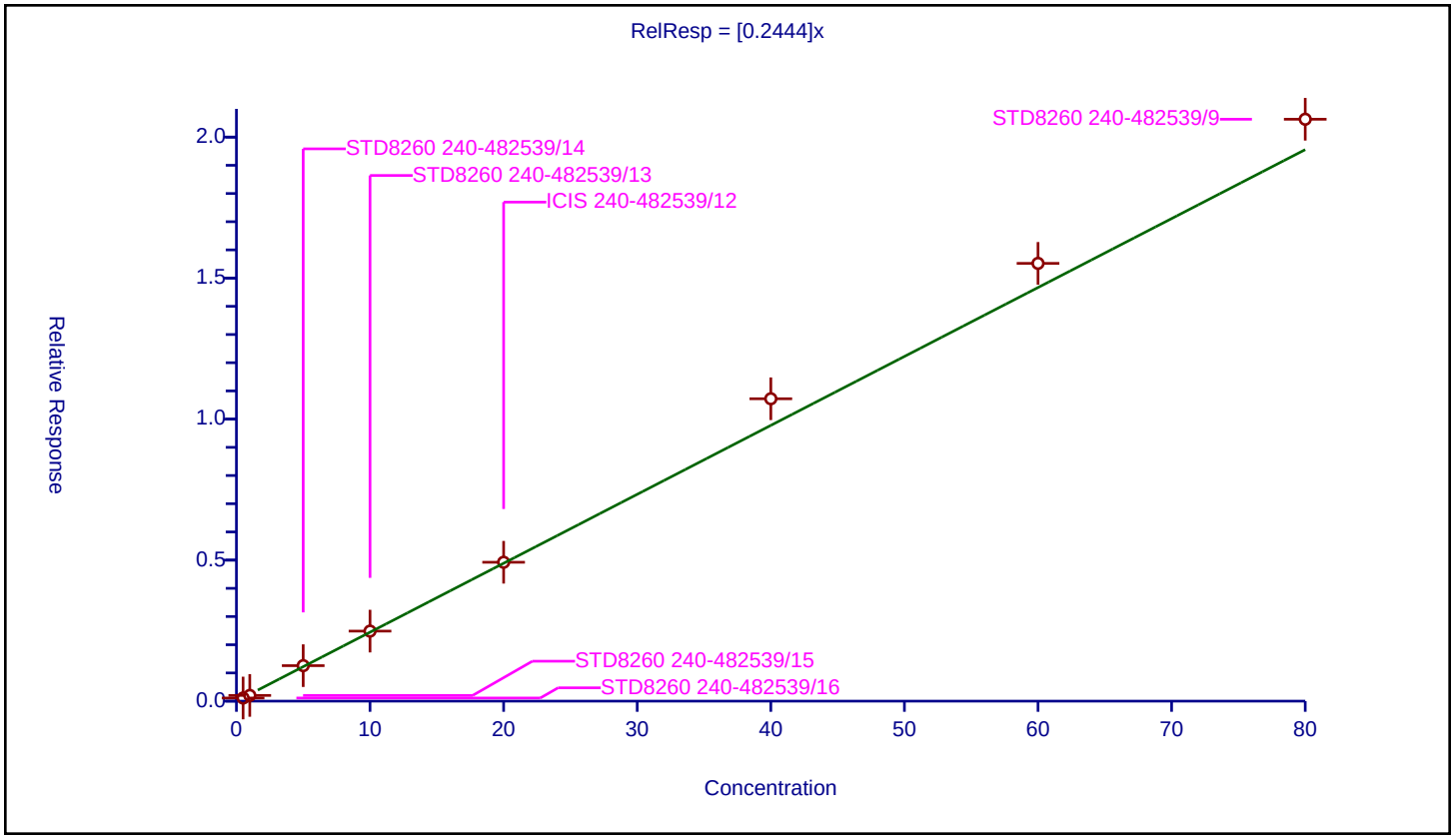
Curve Coefficients

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

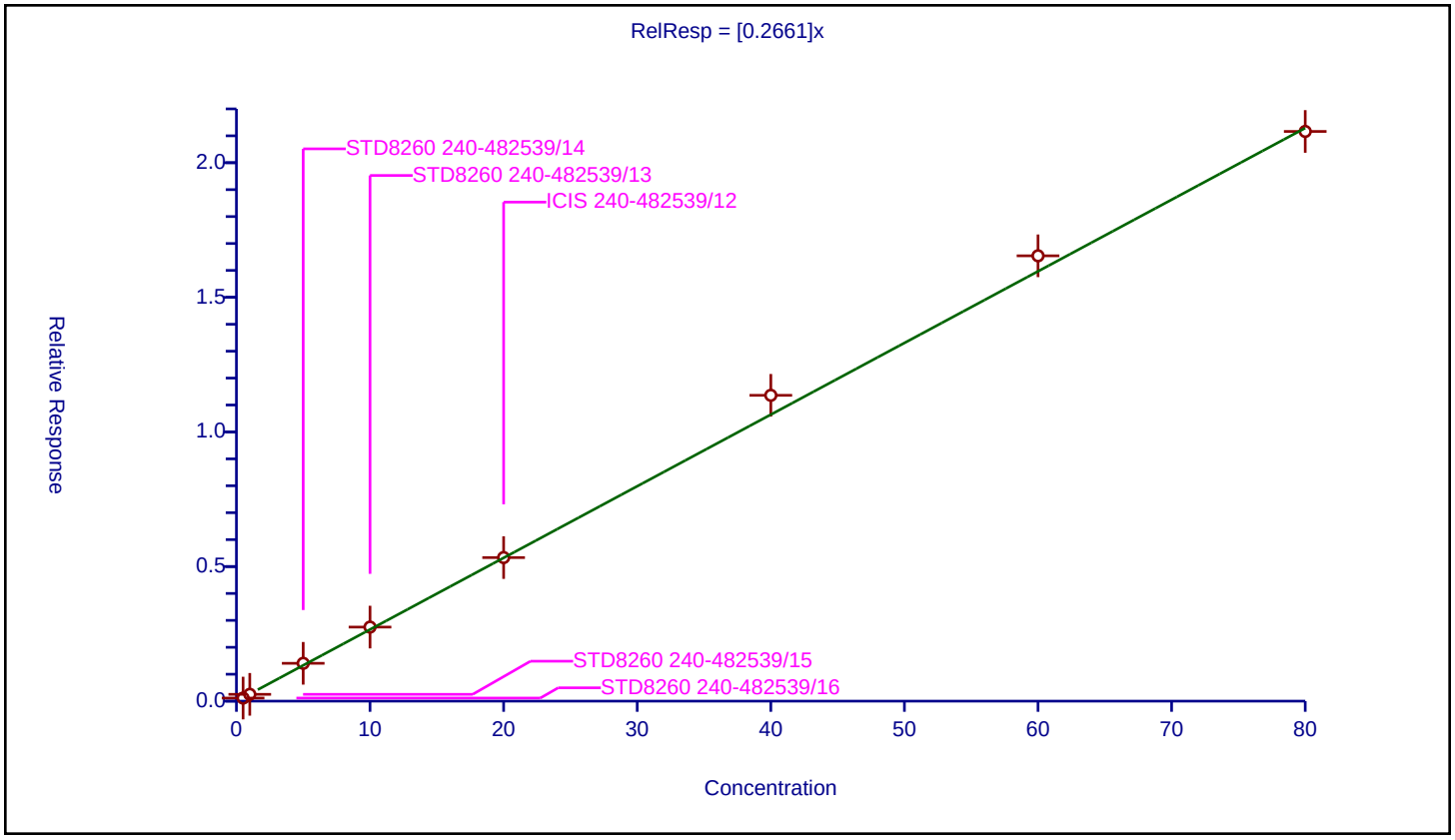
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

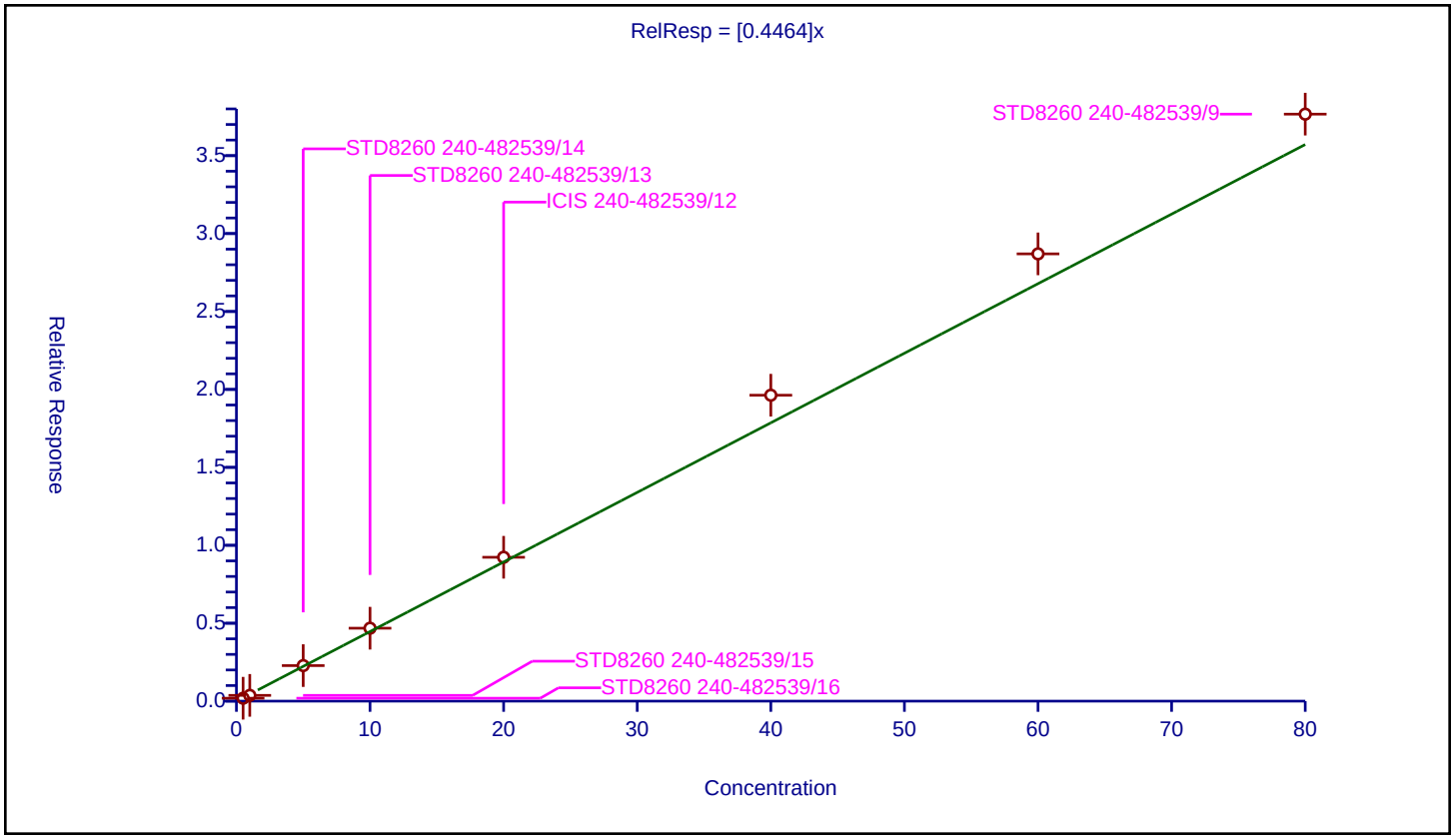
Curve Coefficients

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

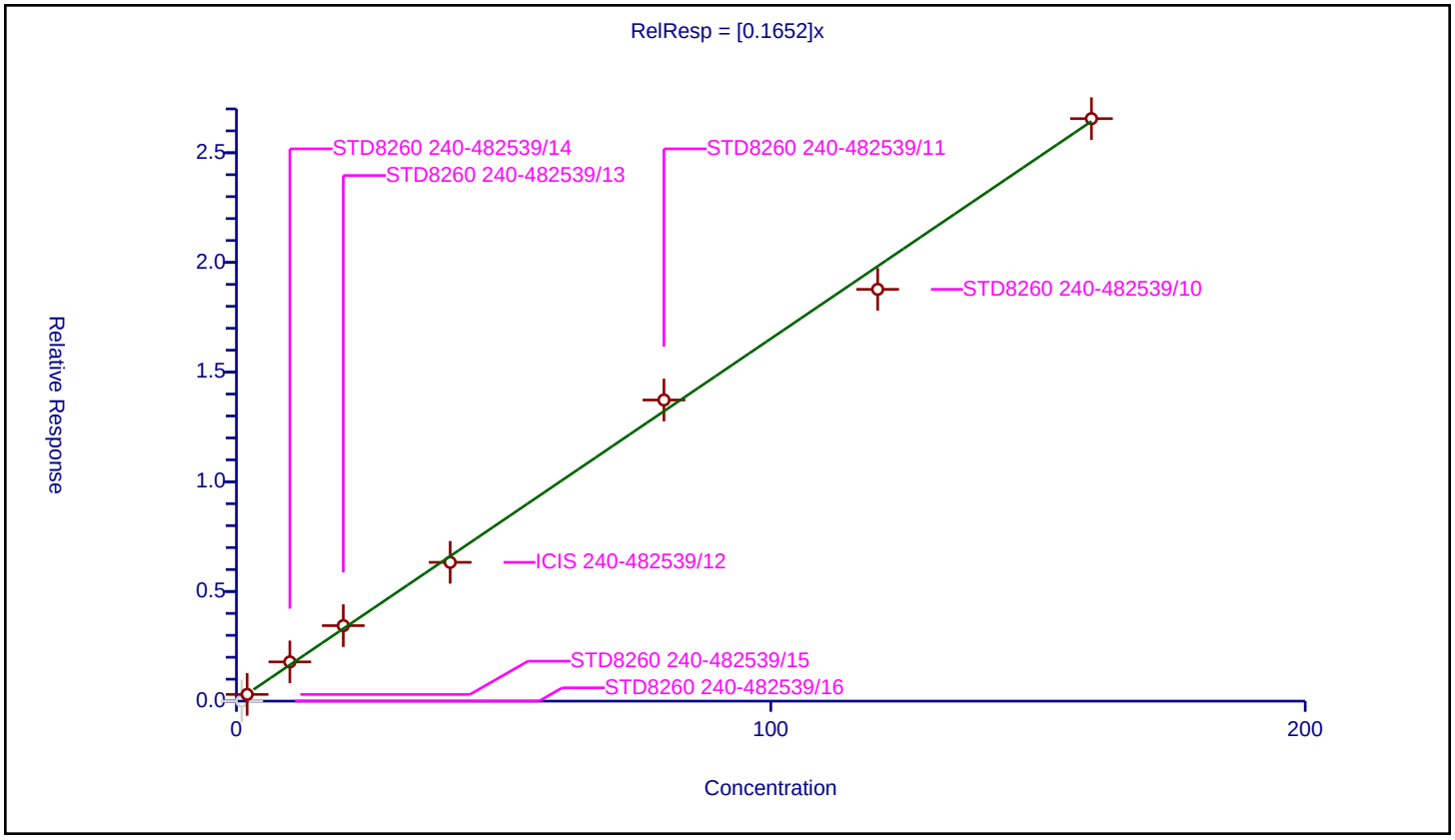
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

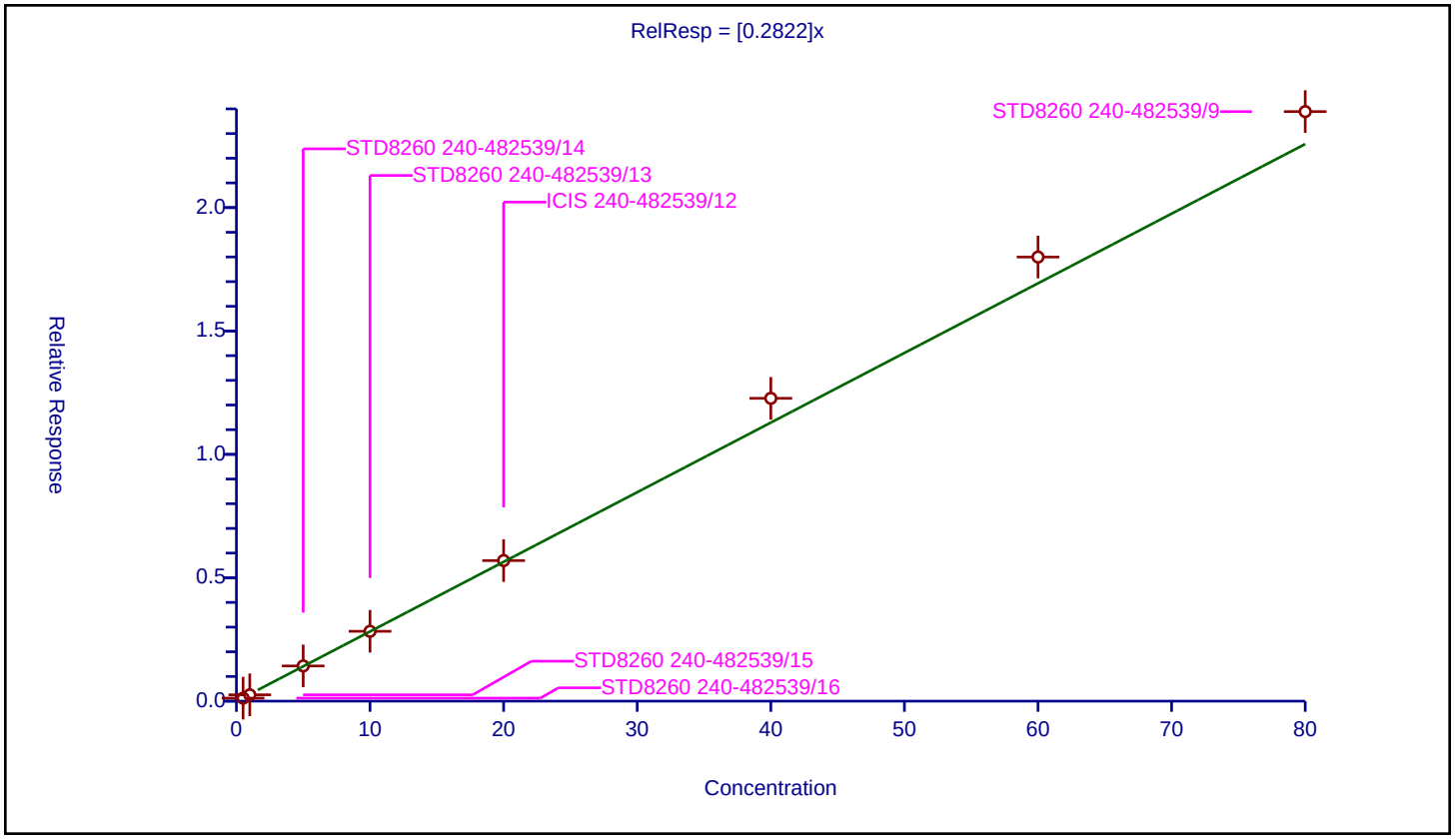
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

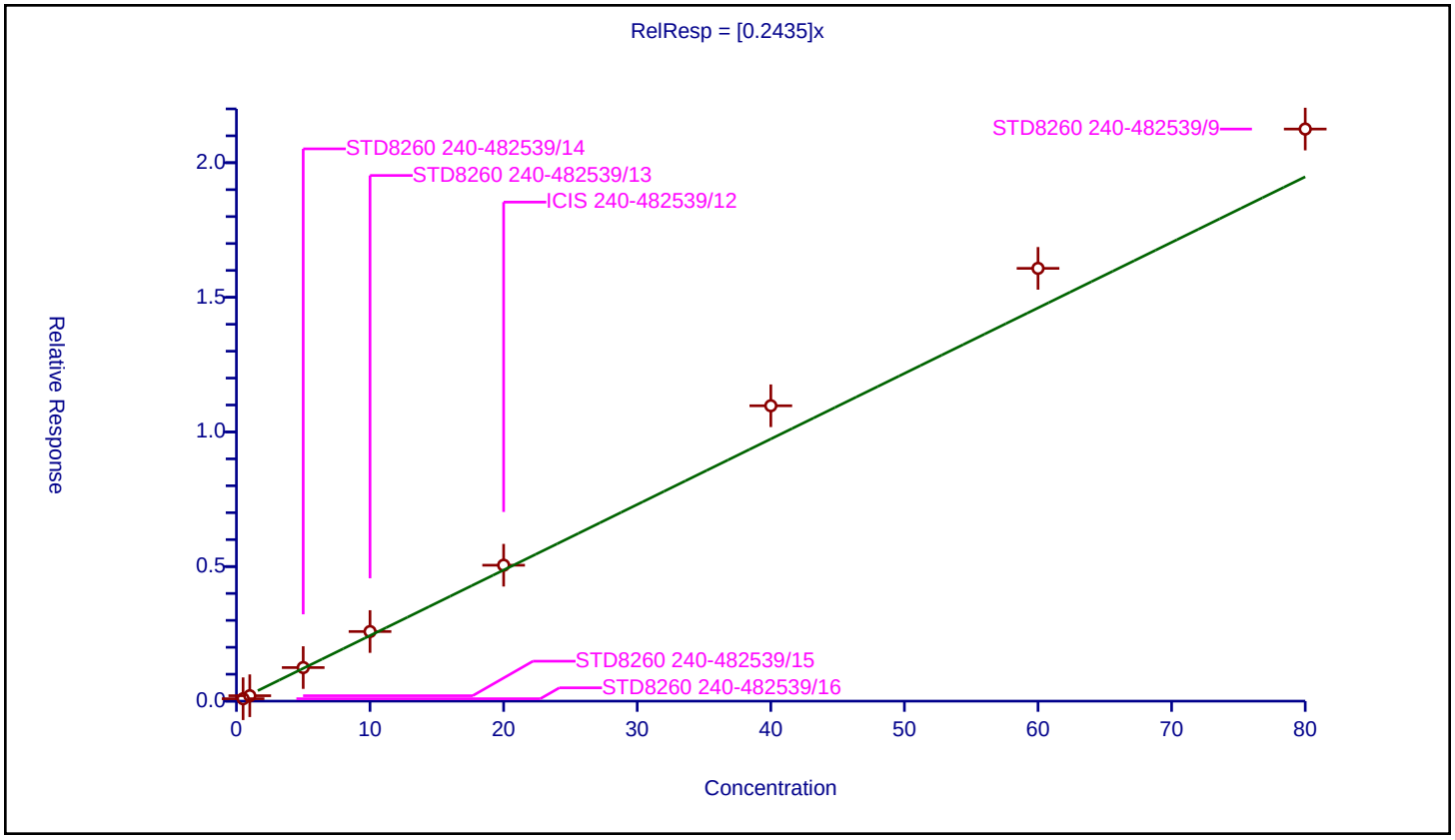
Curve Coefficients

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

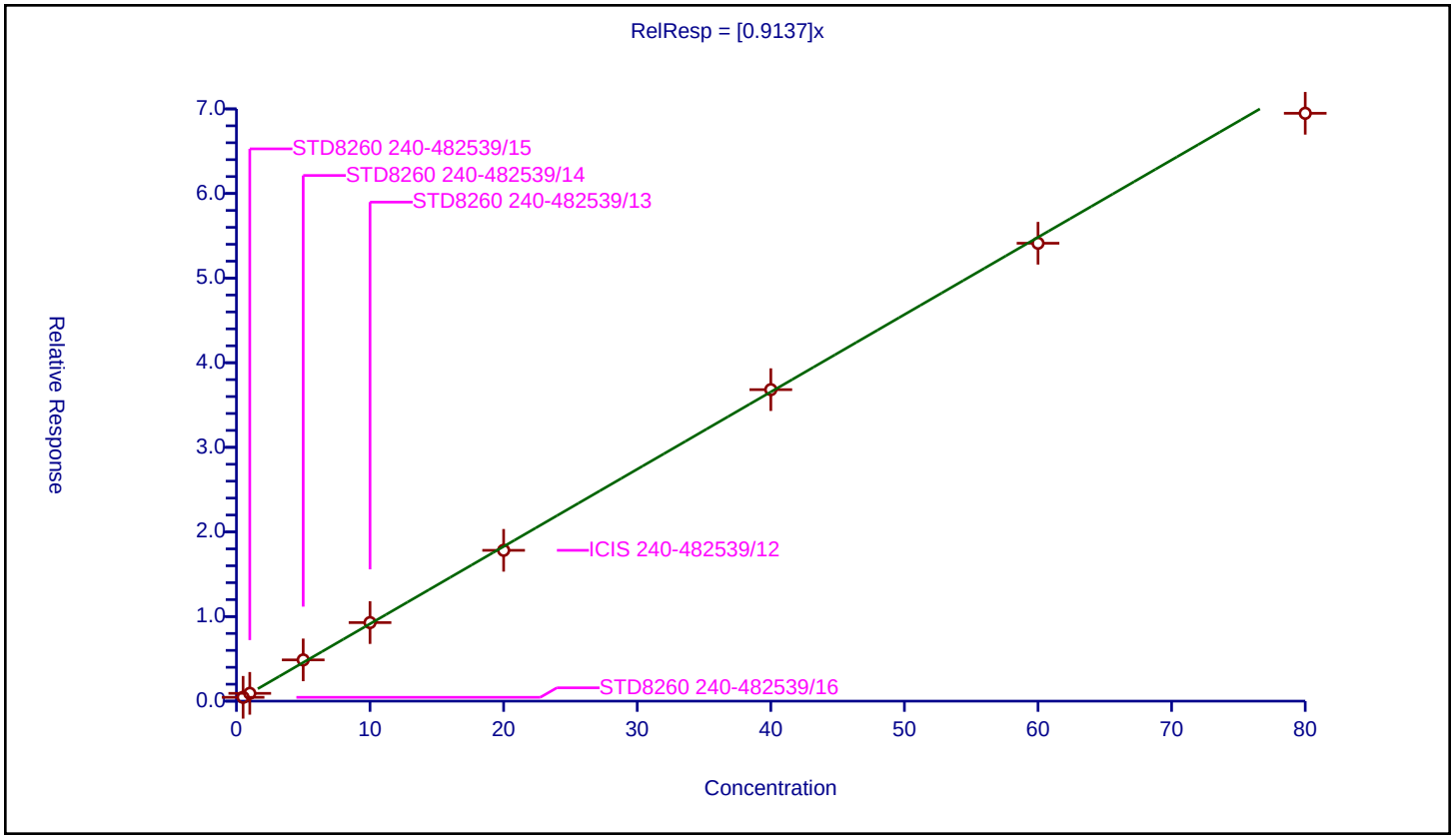
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

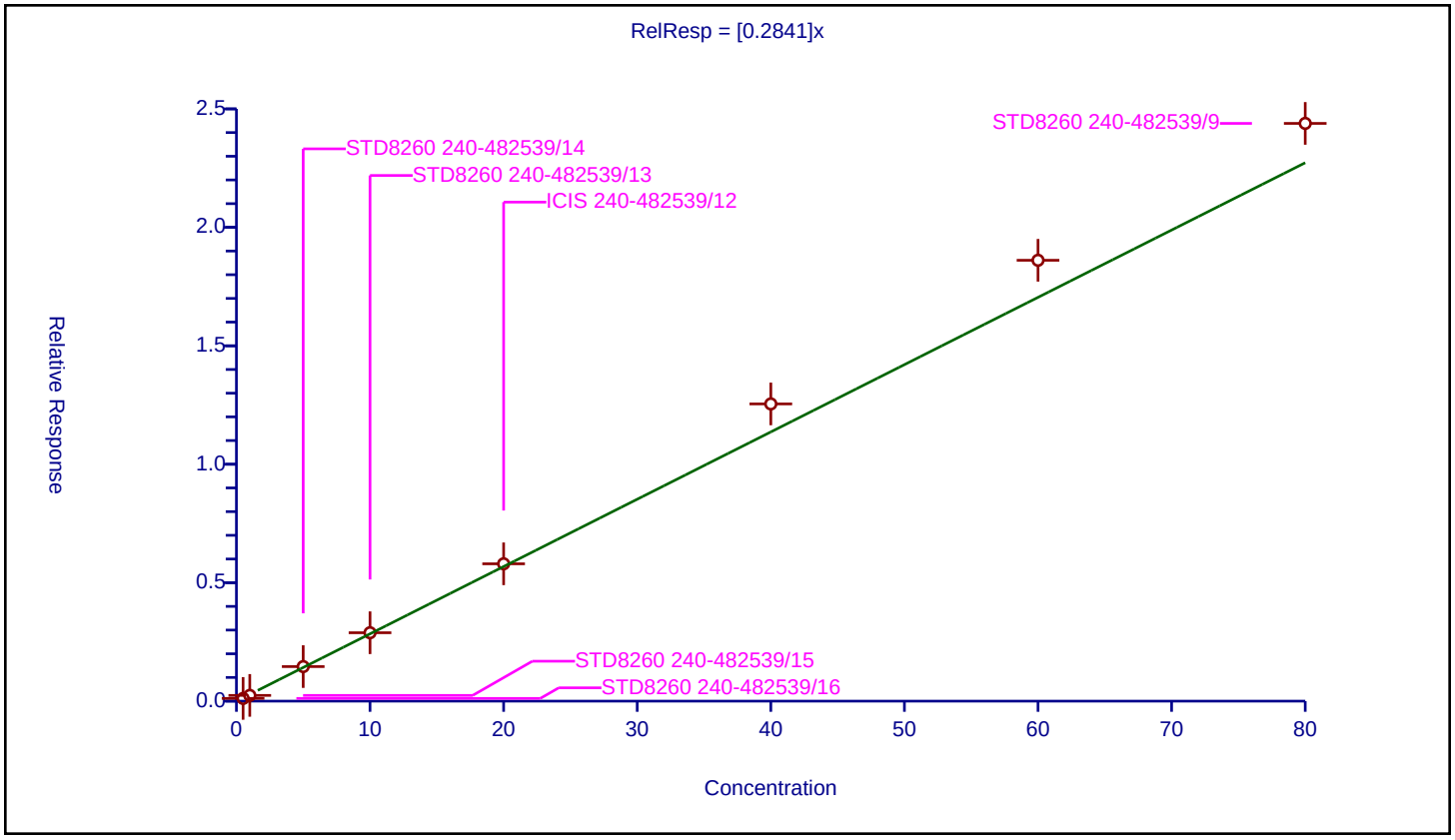
Curve Coefficients

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

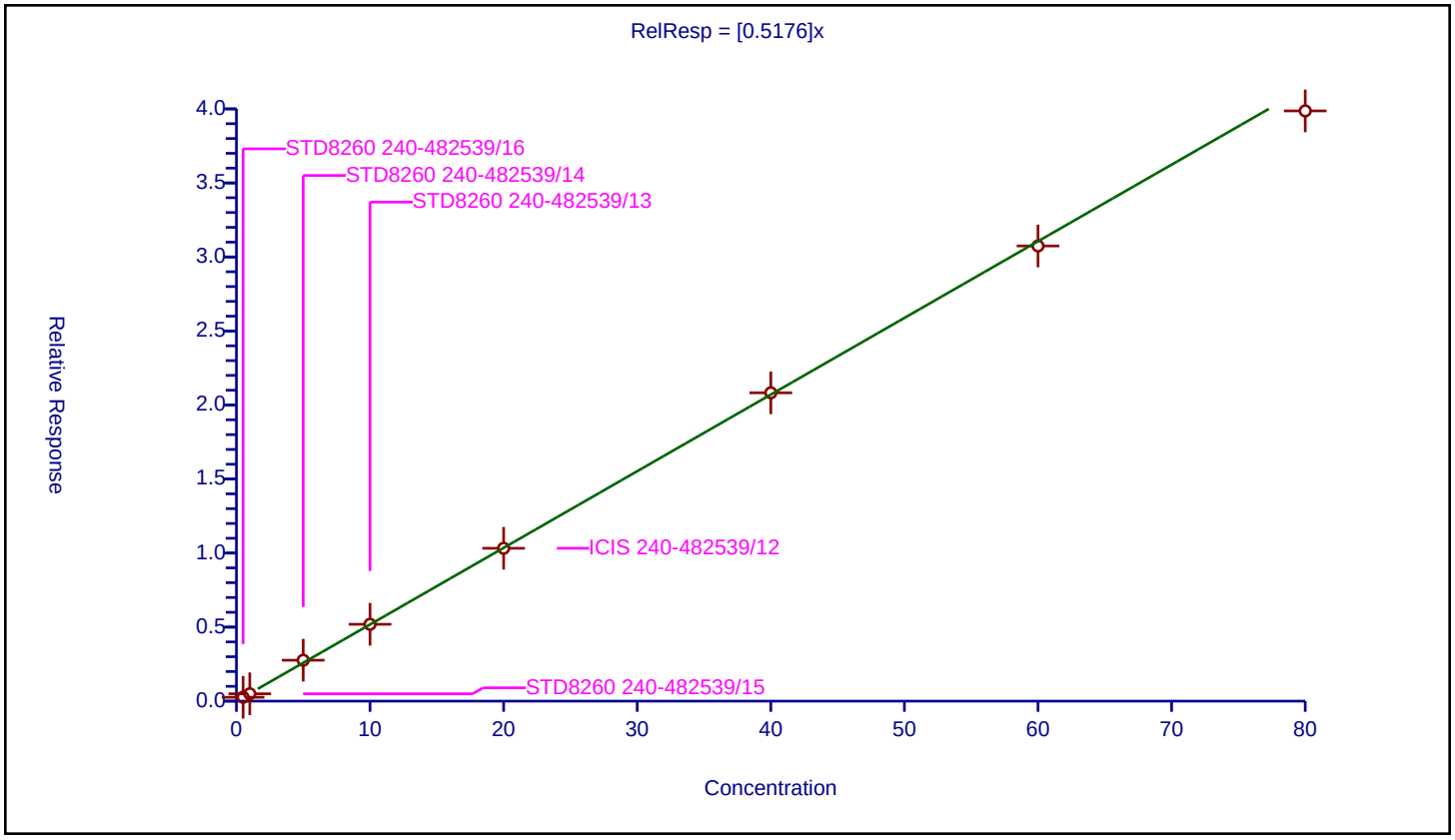
Curve Coefficients

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

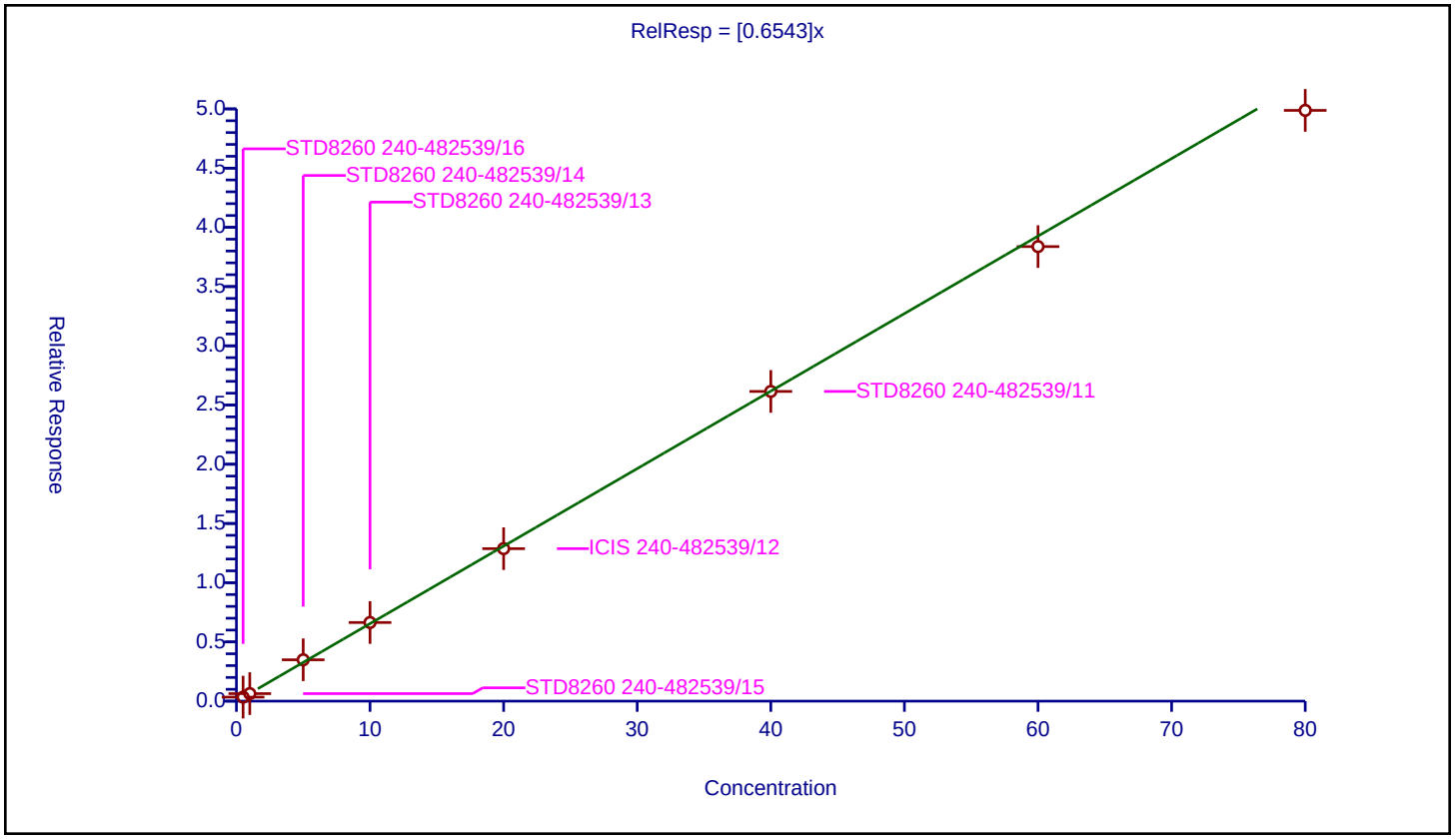
Curve Coefficients

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

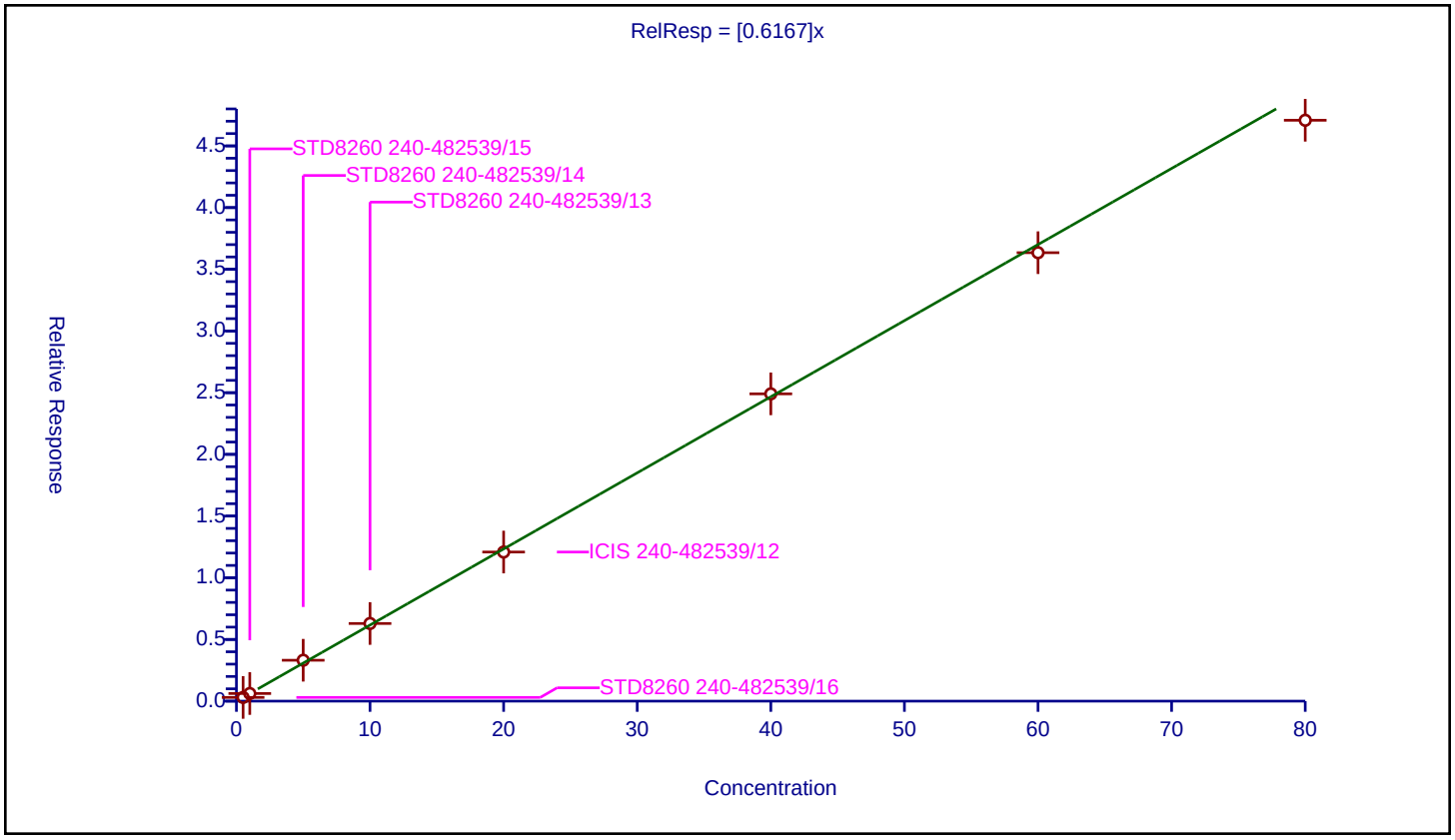
Curve Coefficients

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

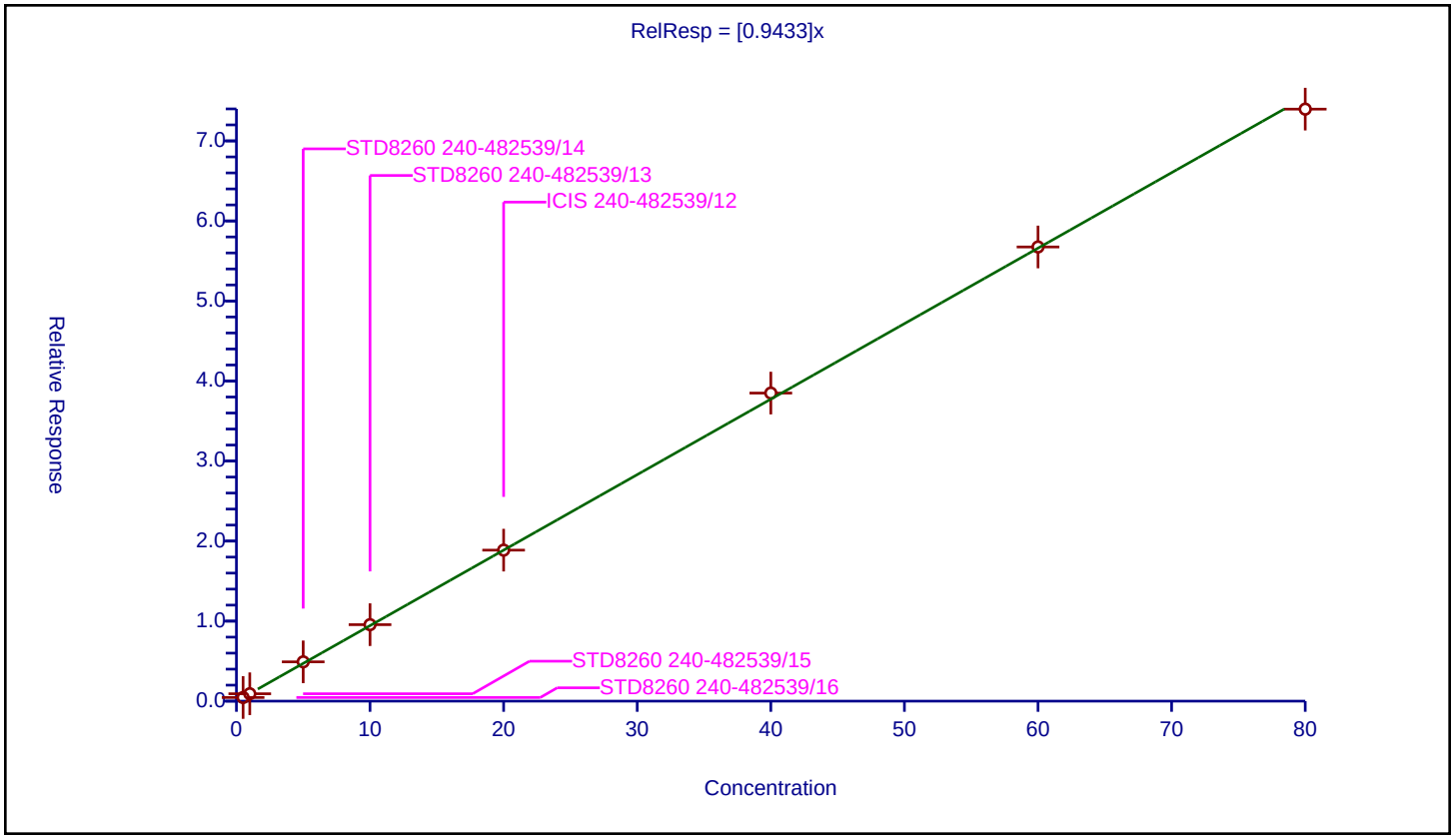
Curve Coefficients

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

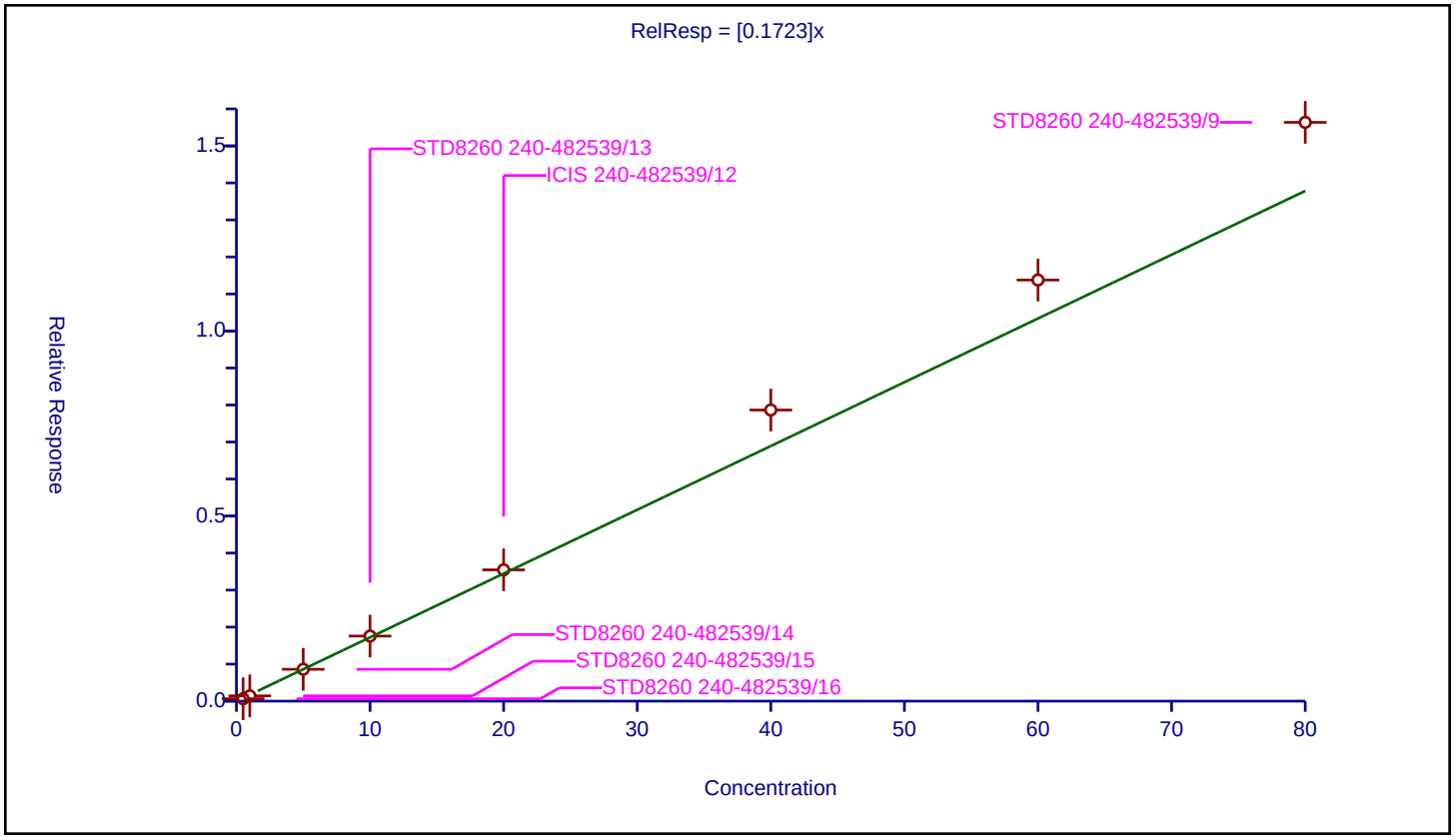
Curve Coefficients

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

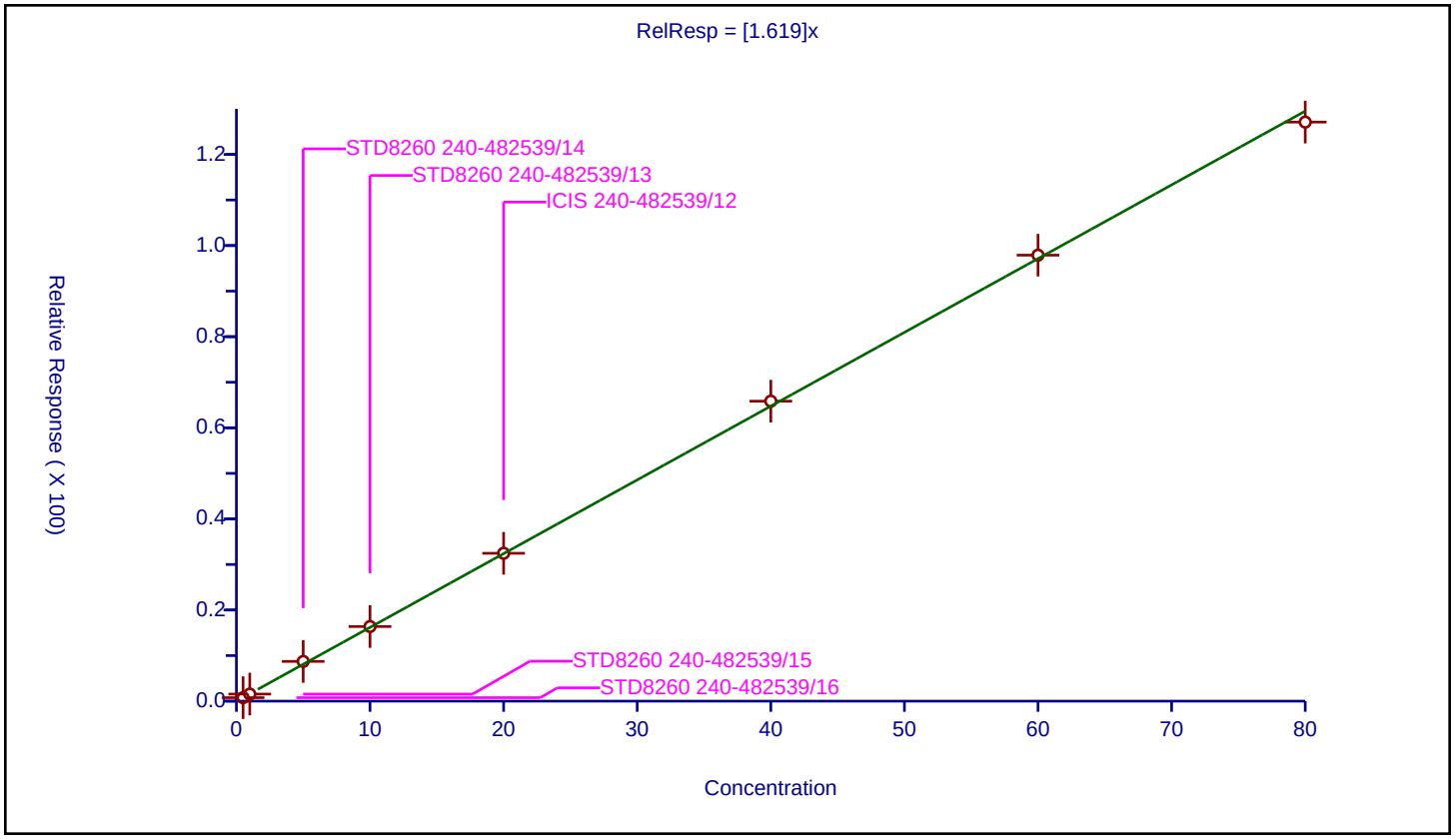
Curve Coefficients

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

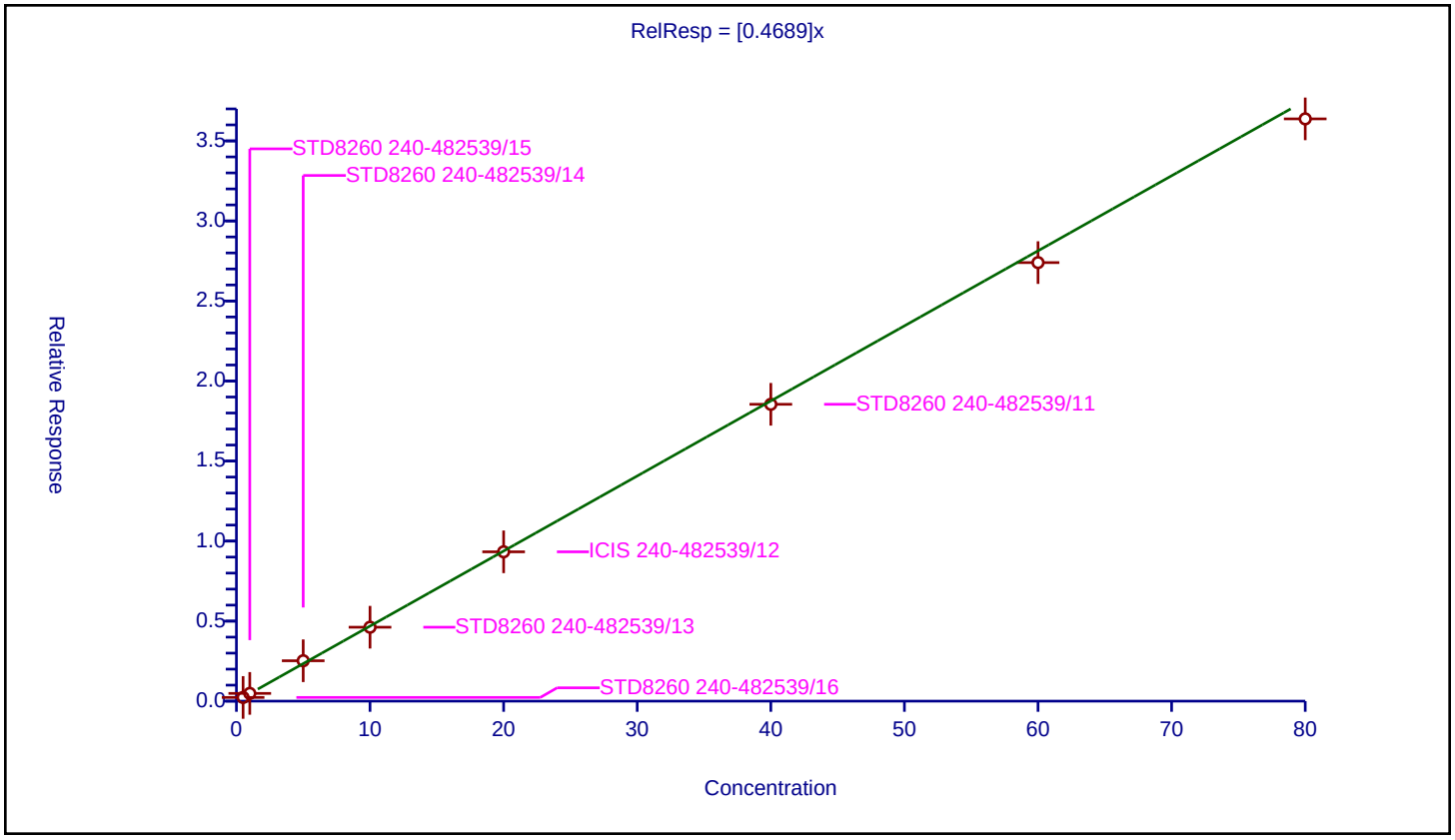
Curve Coefficients

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

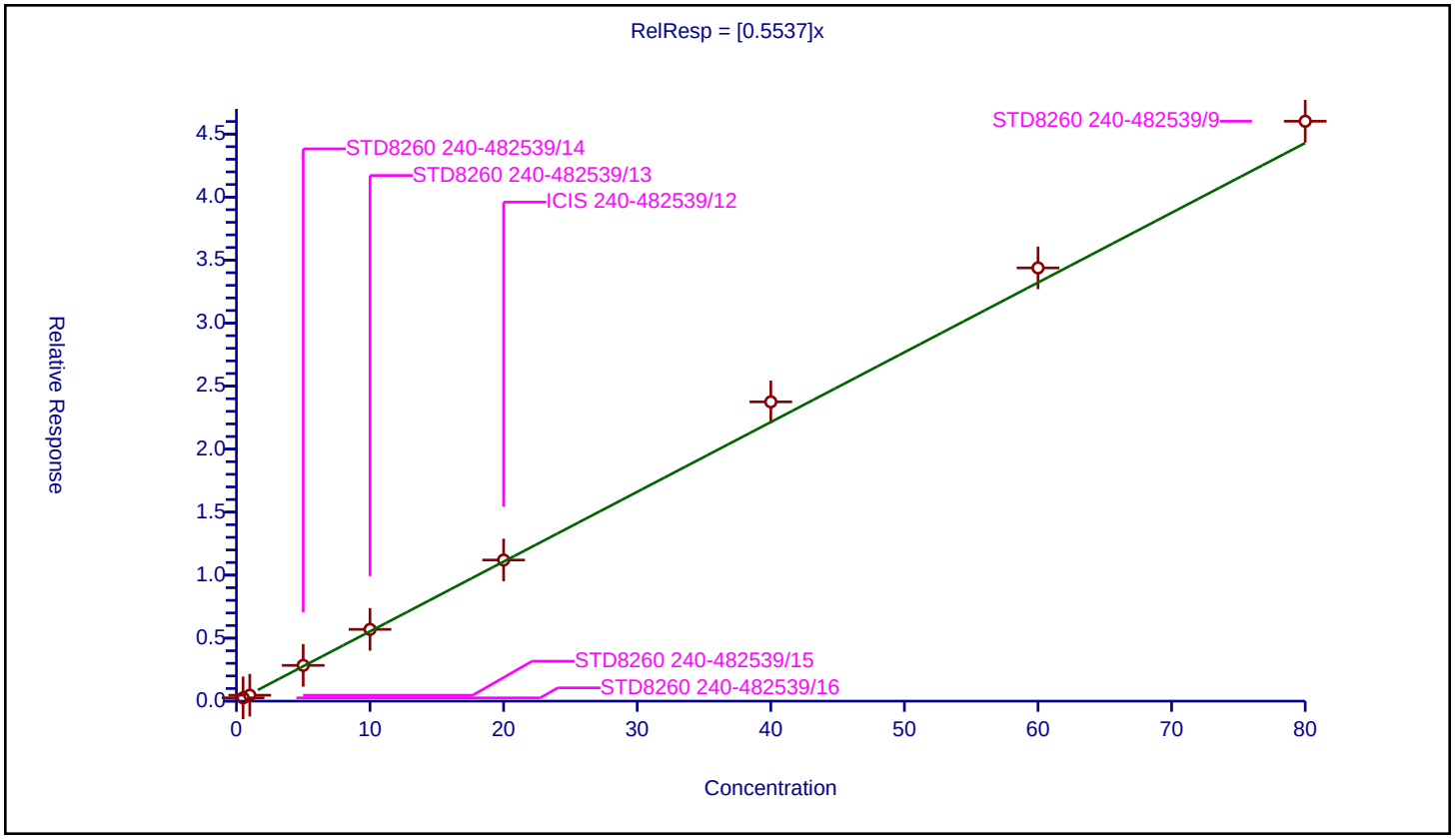
Curve Coefficients

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

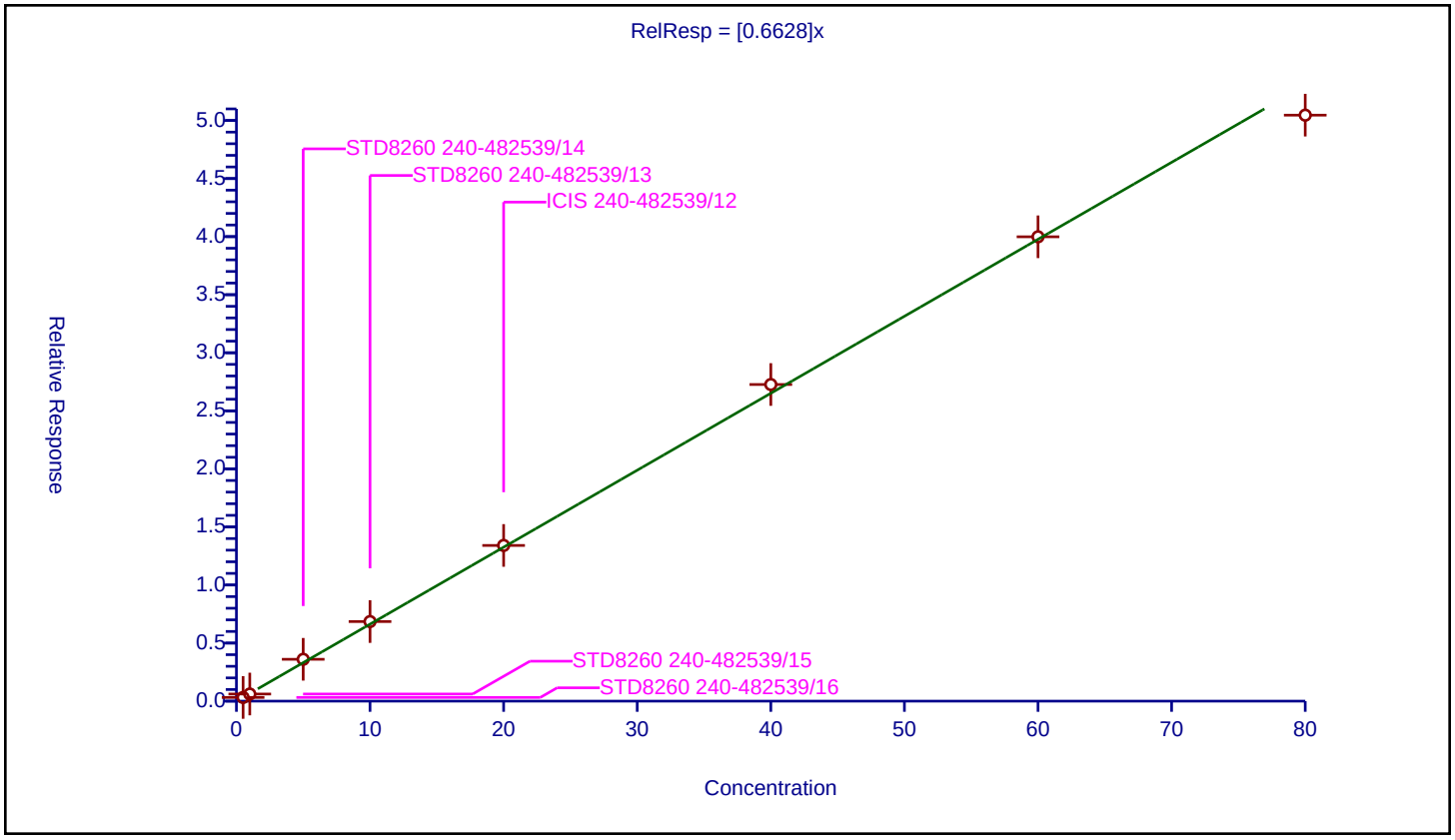
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

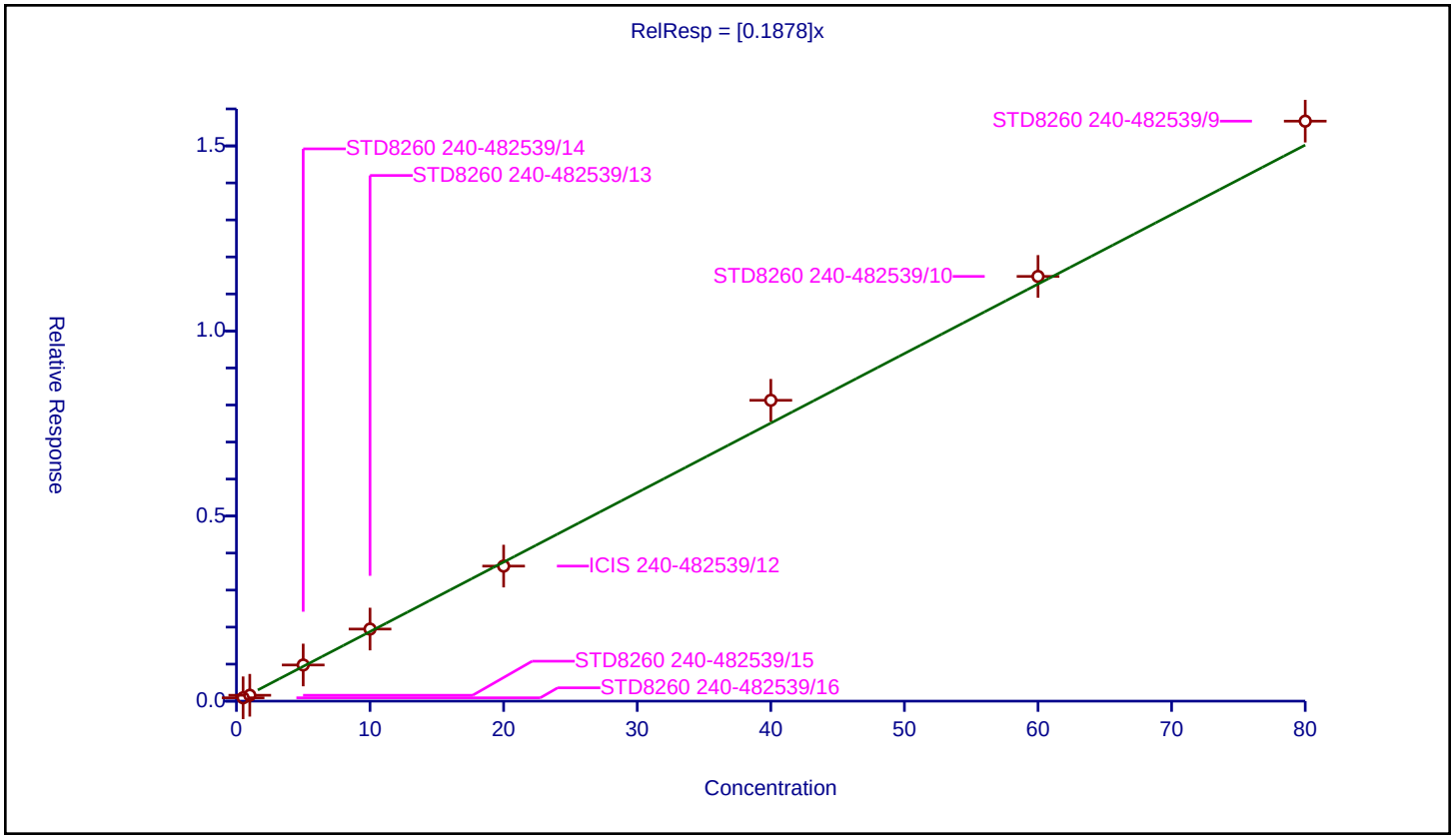
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

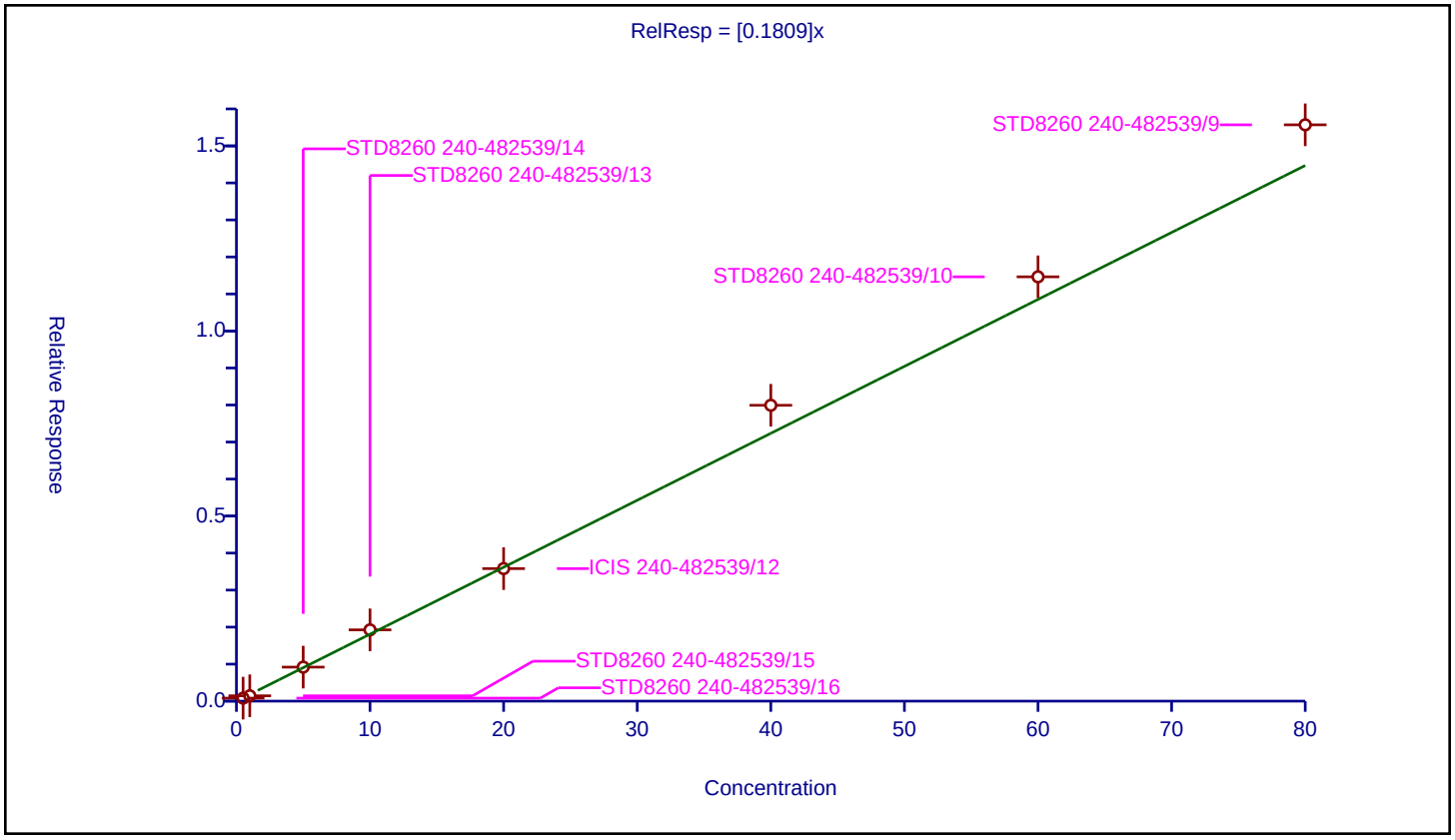
Curve Coefficients

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

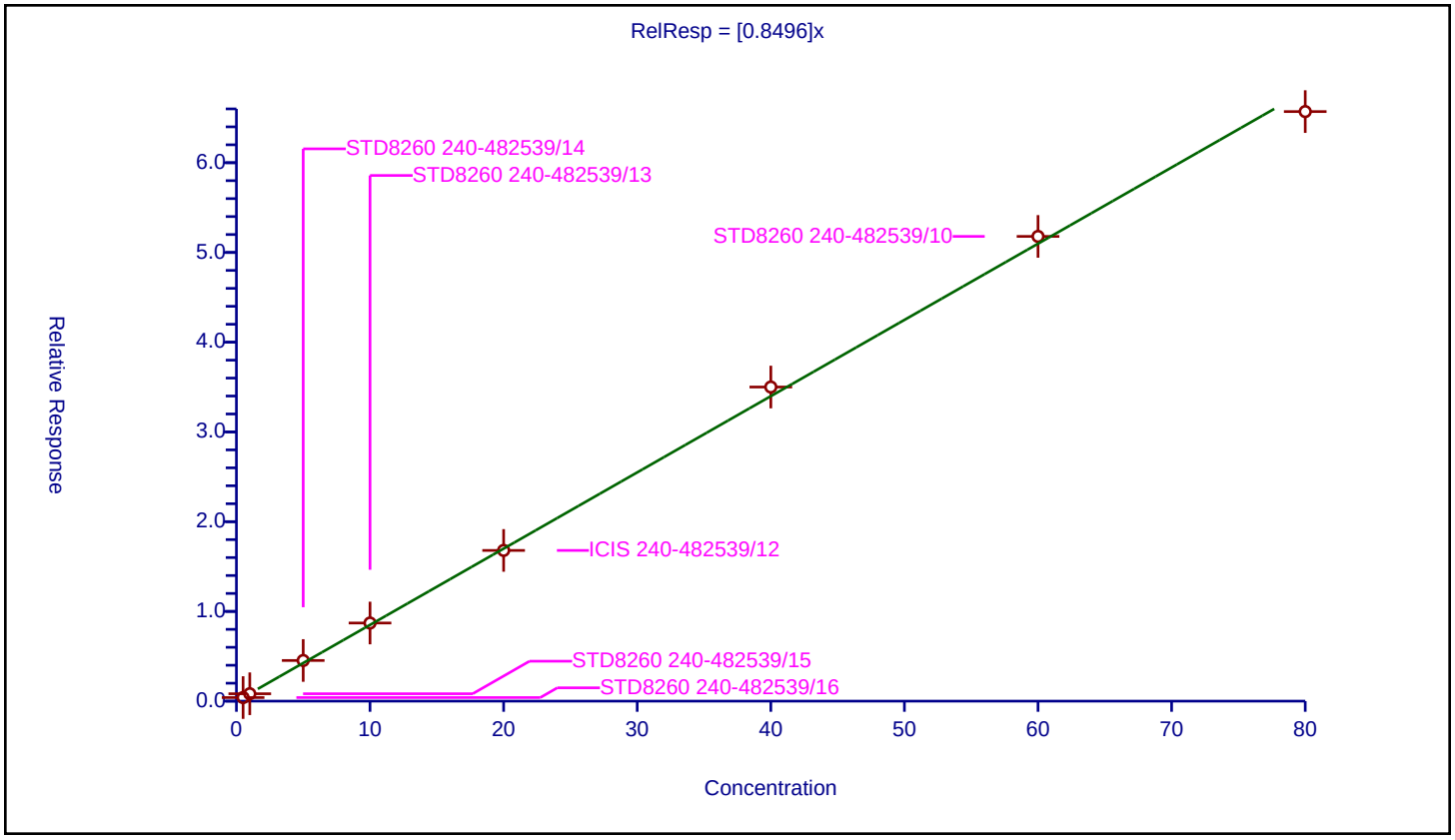
Curve Coefficients

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

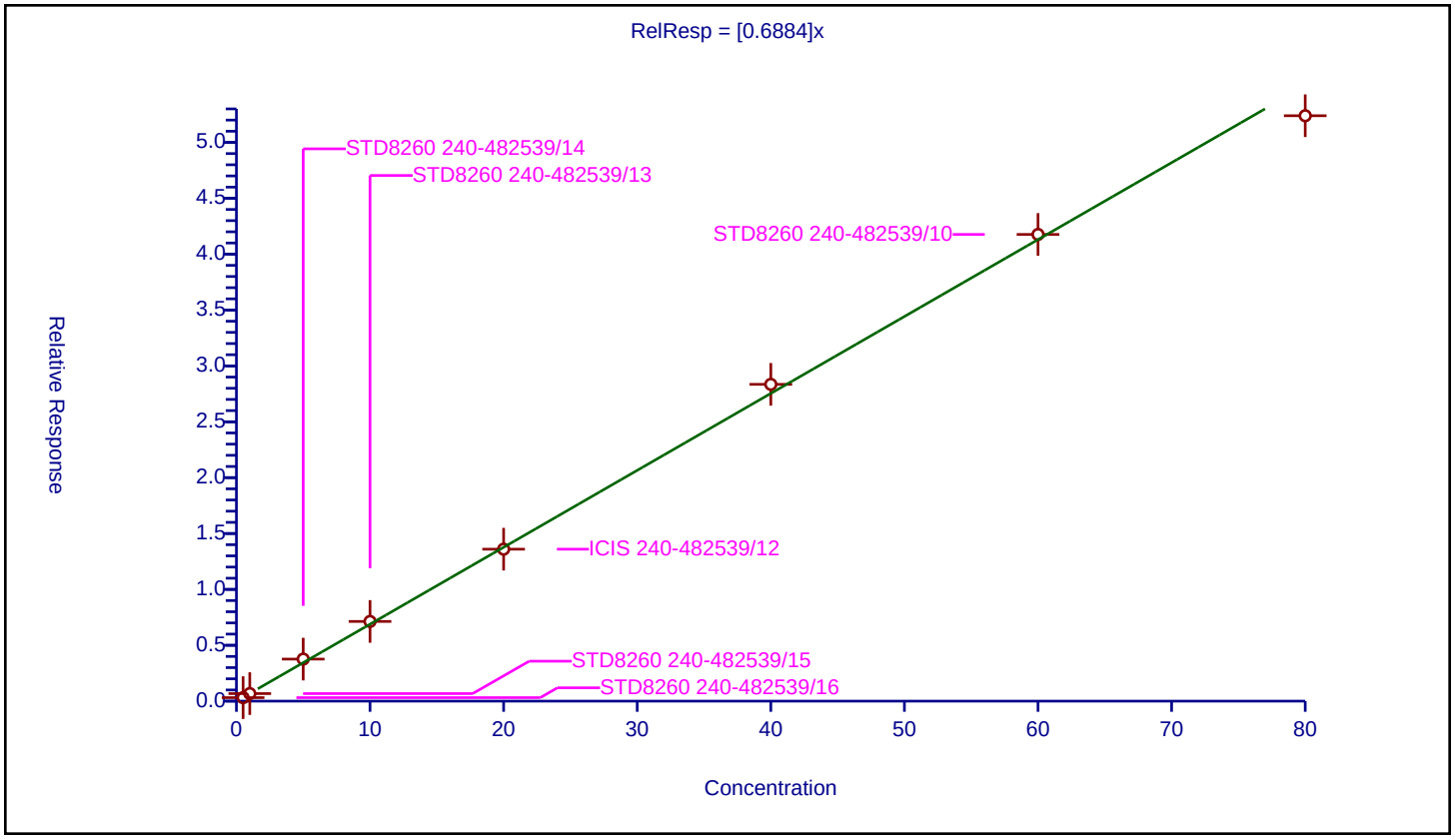
Curve Coefficients

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

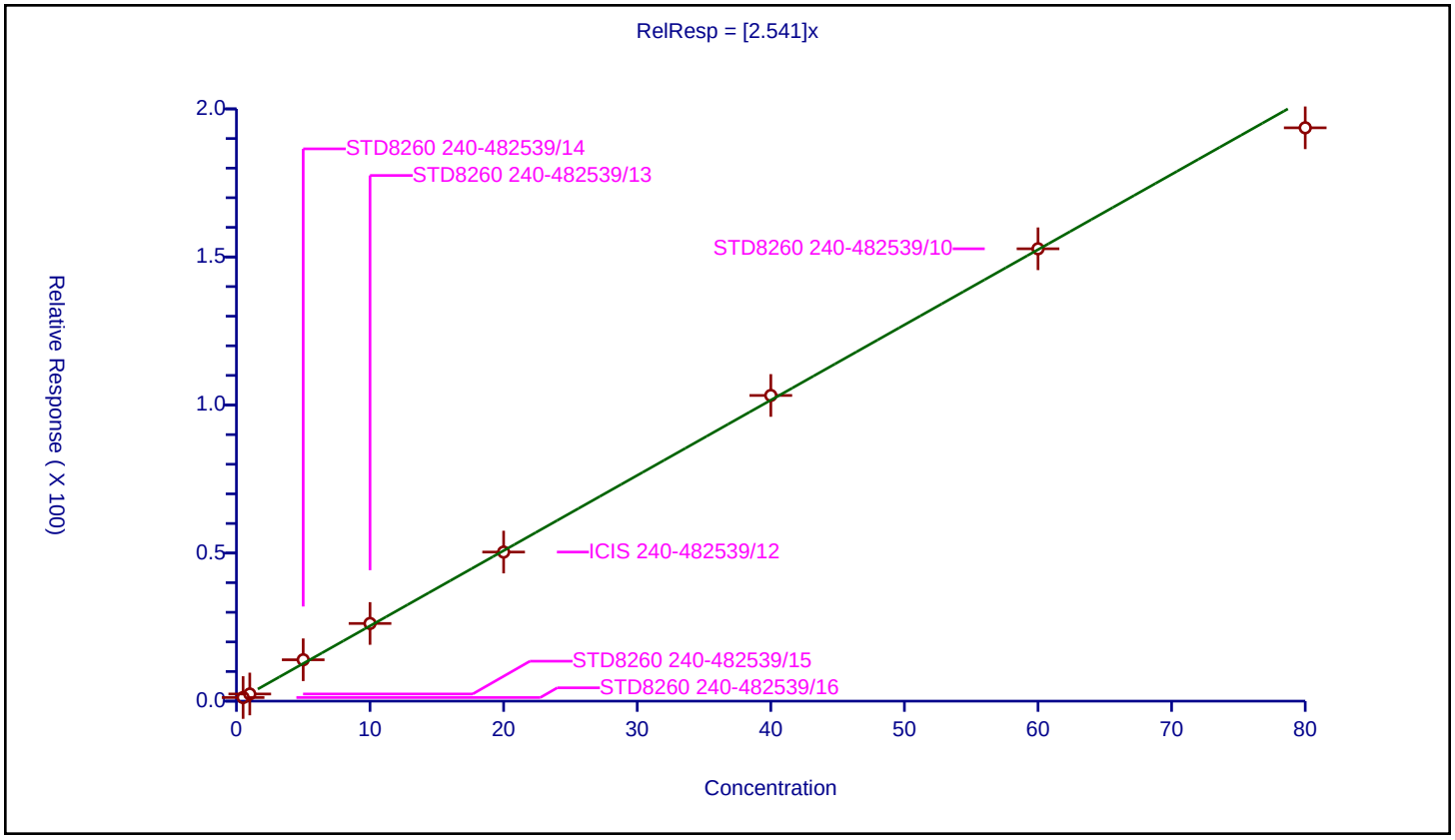
Curve Coefficients

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

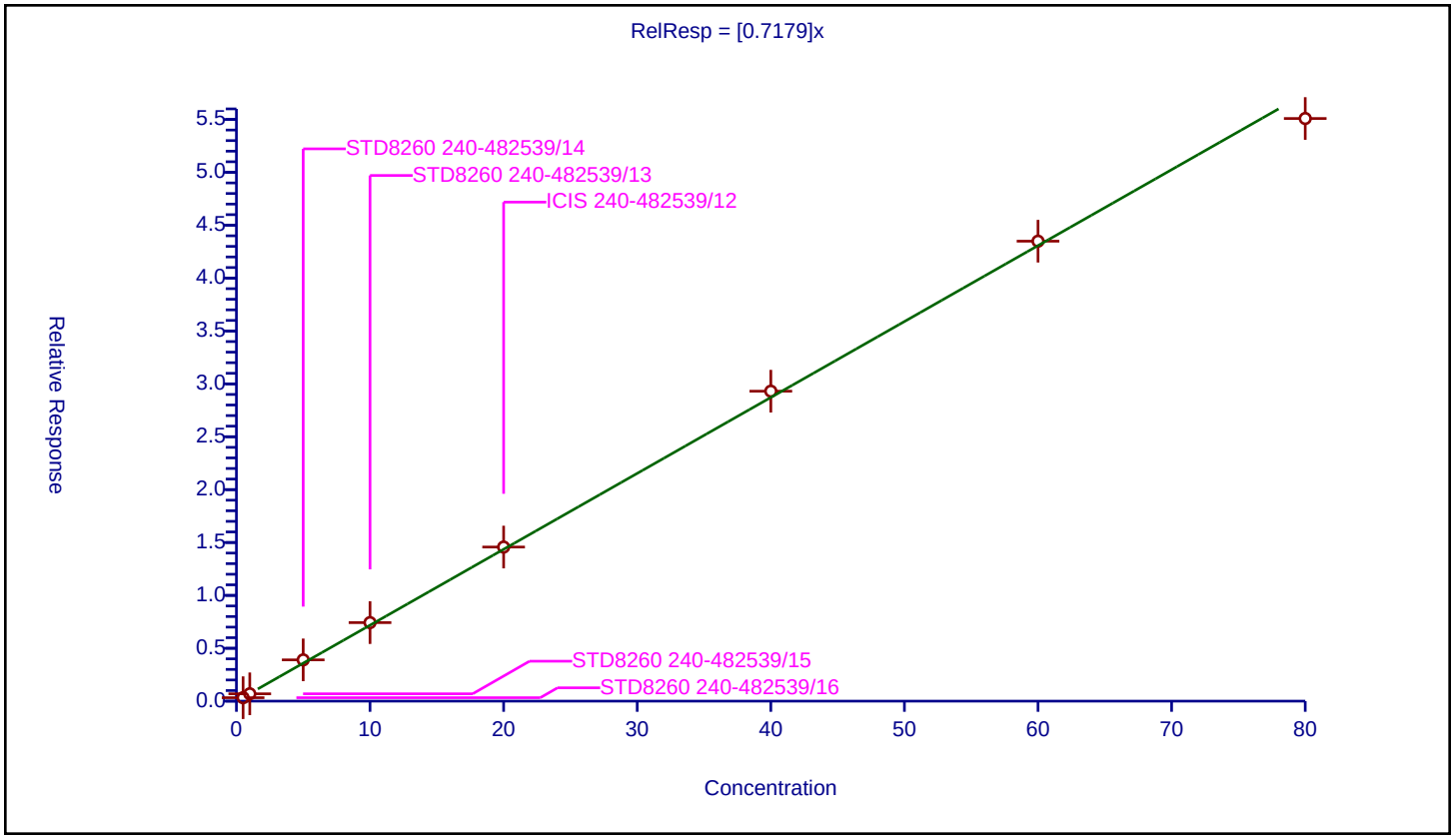
Curve Coefficients

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

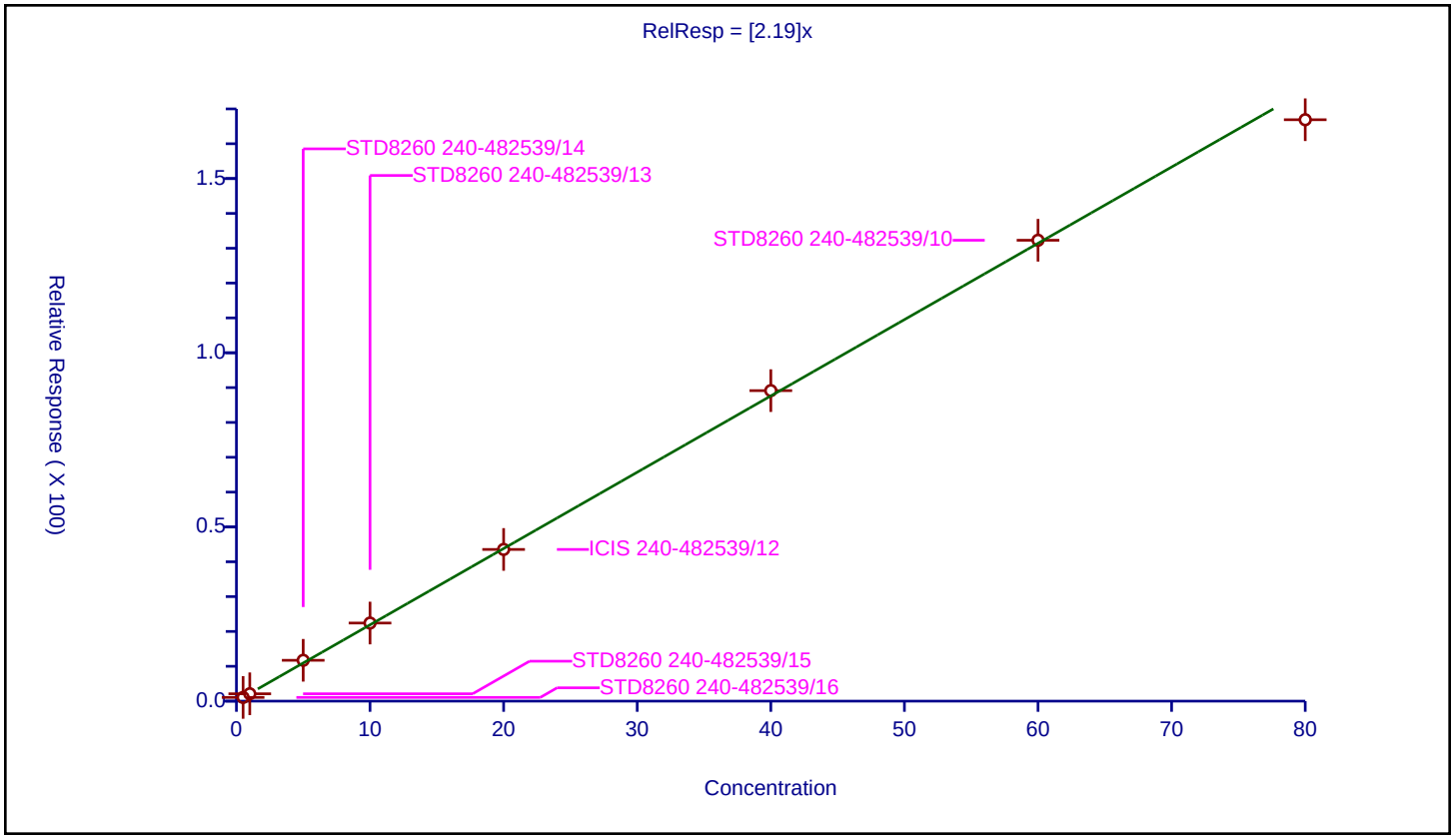
Curve Coefficients

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

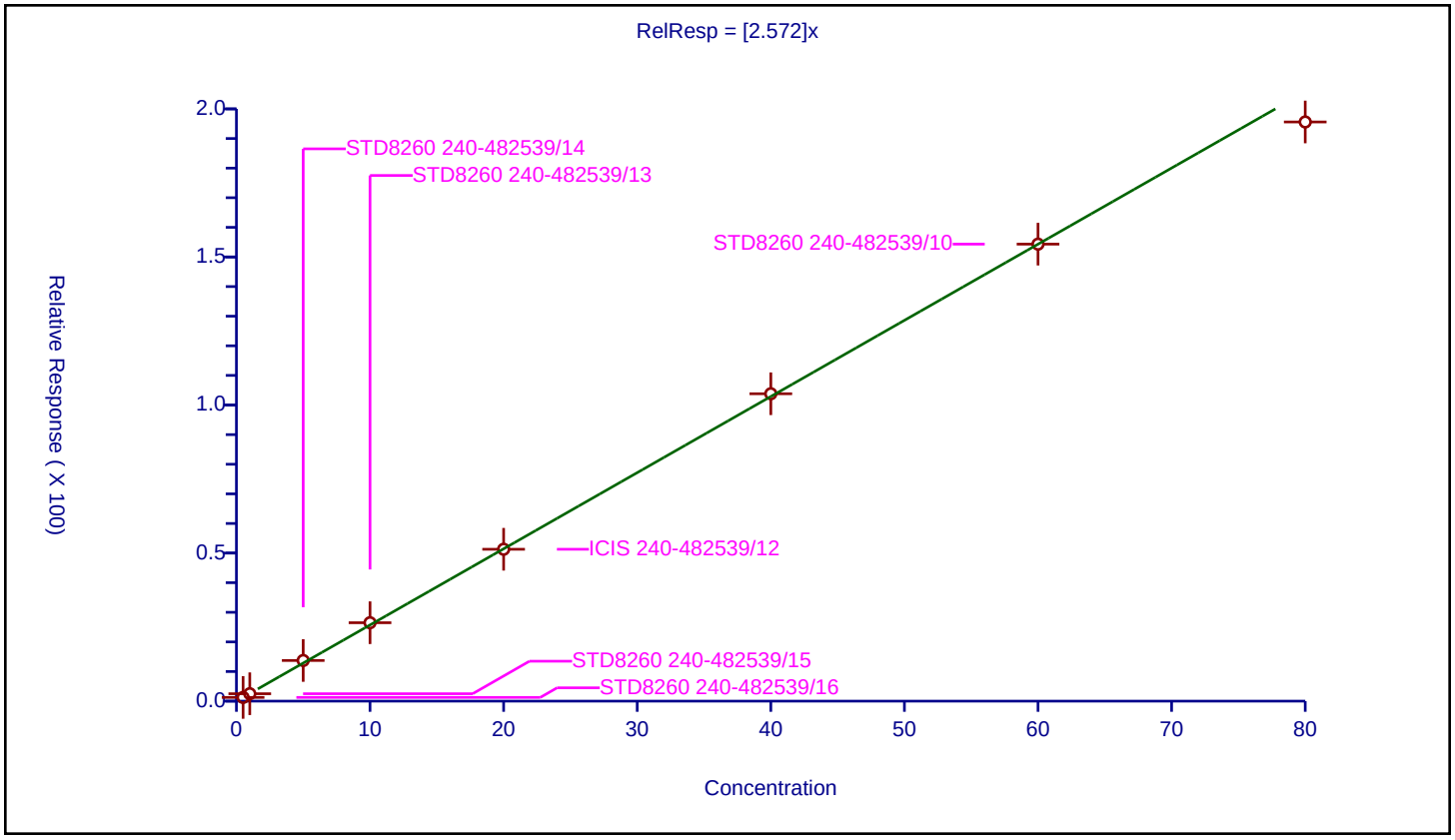
Curve Coefficients

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

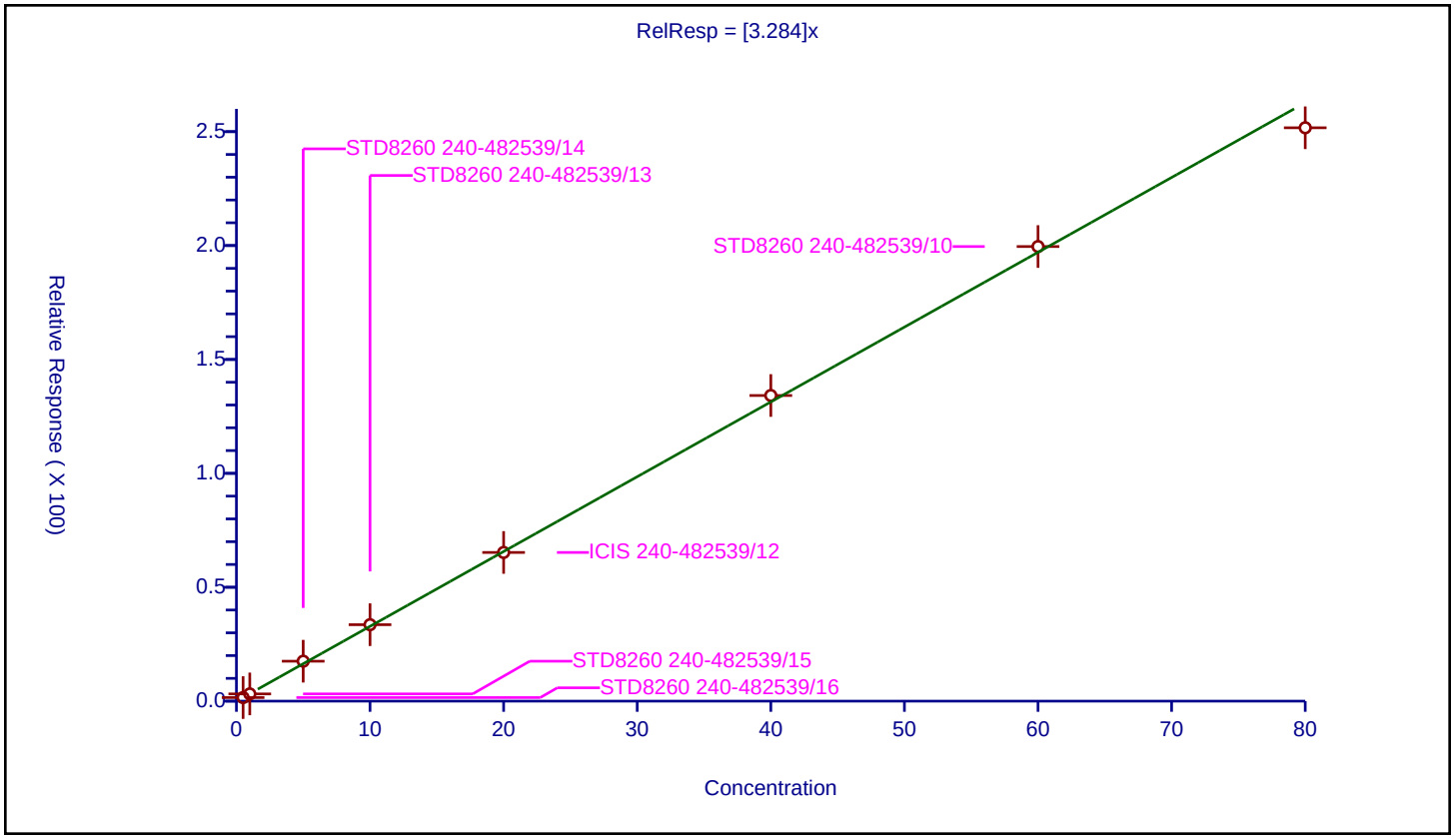
Curve Coefficients

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

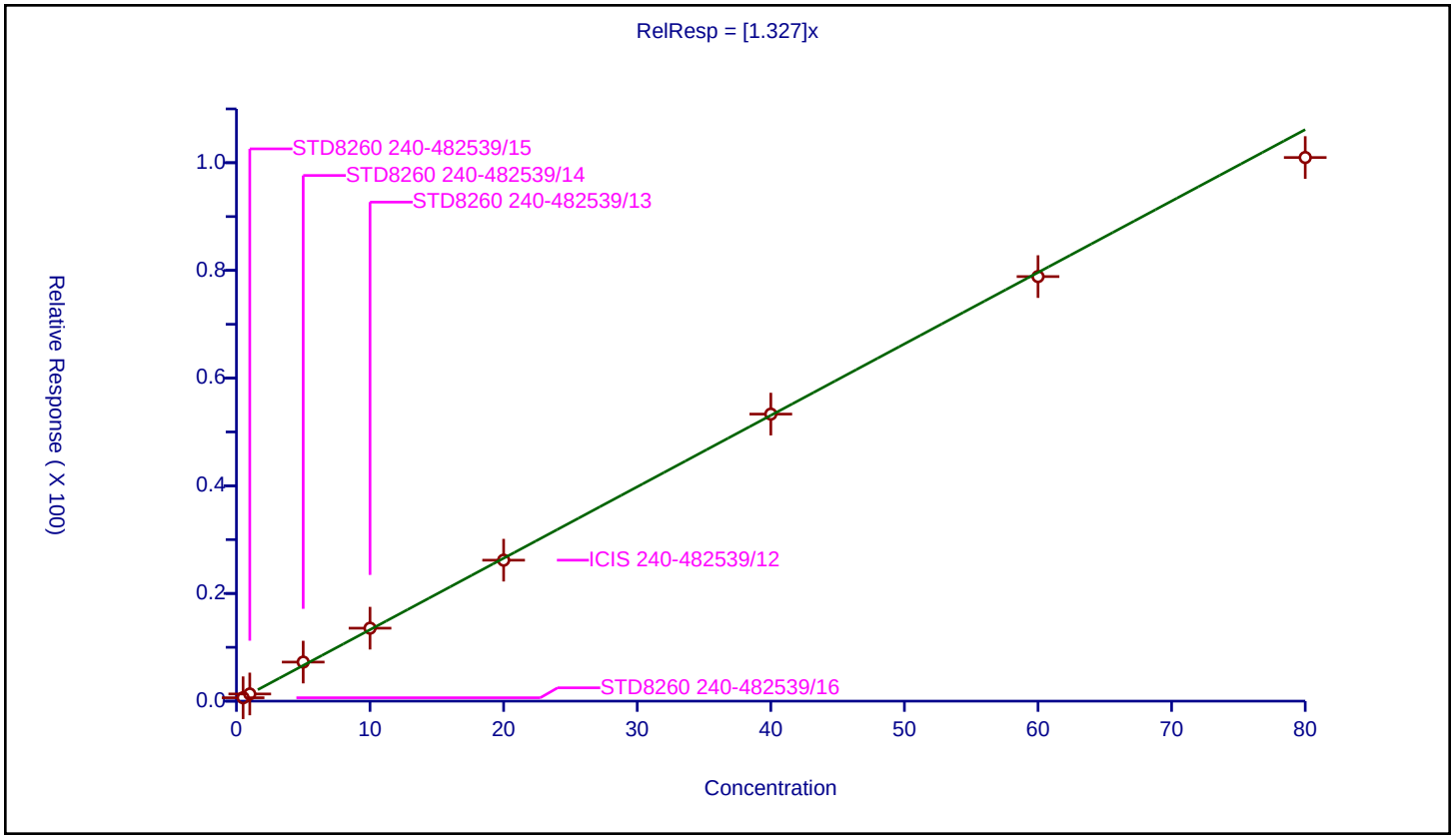
Curve Coefficients

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

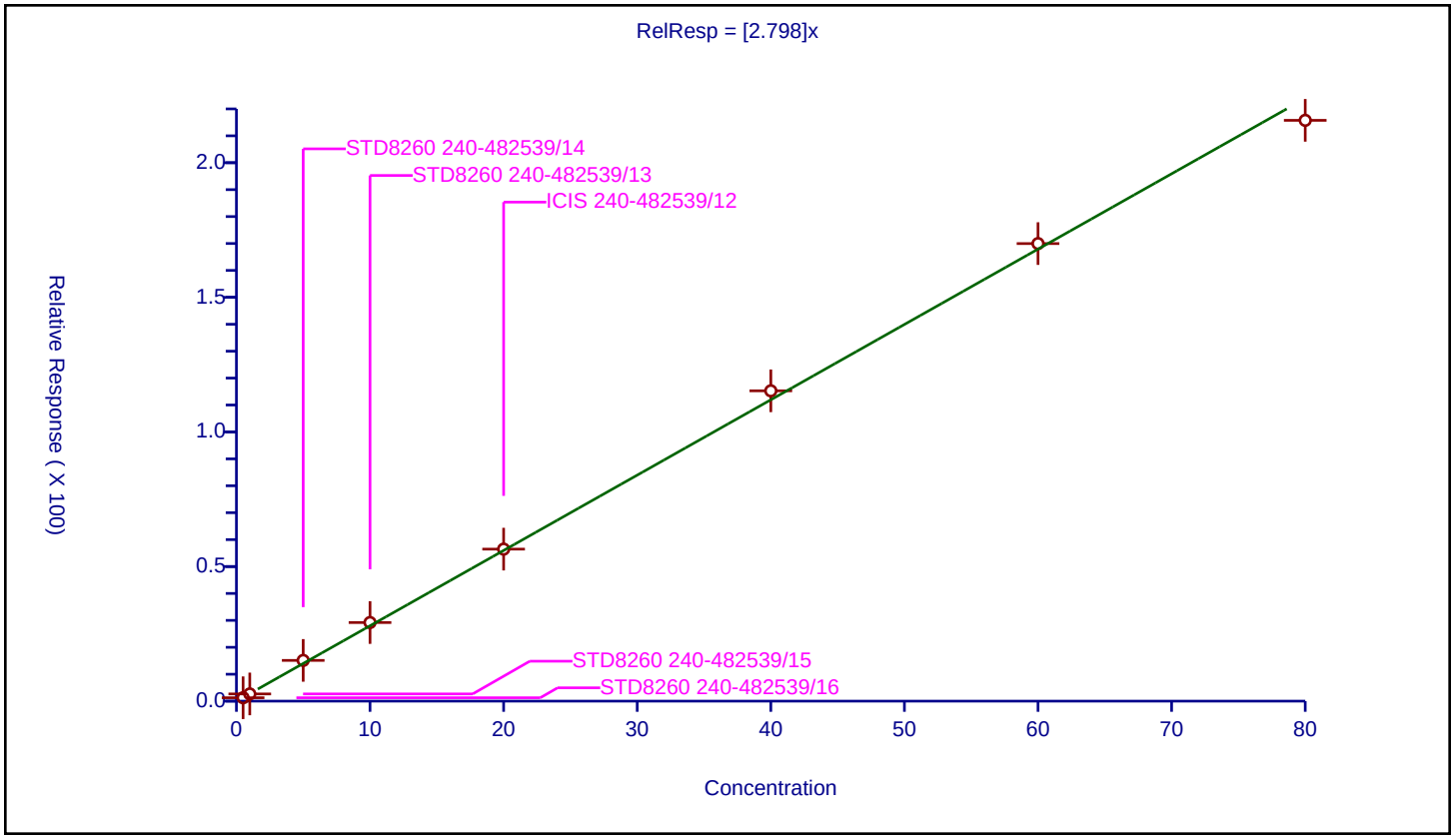
Curve Coefficients

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

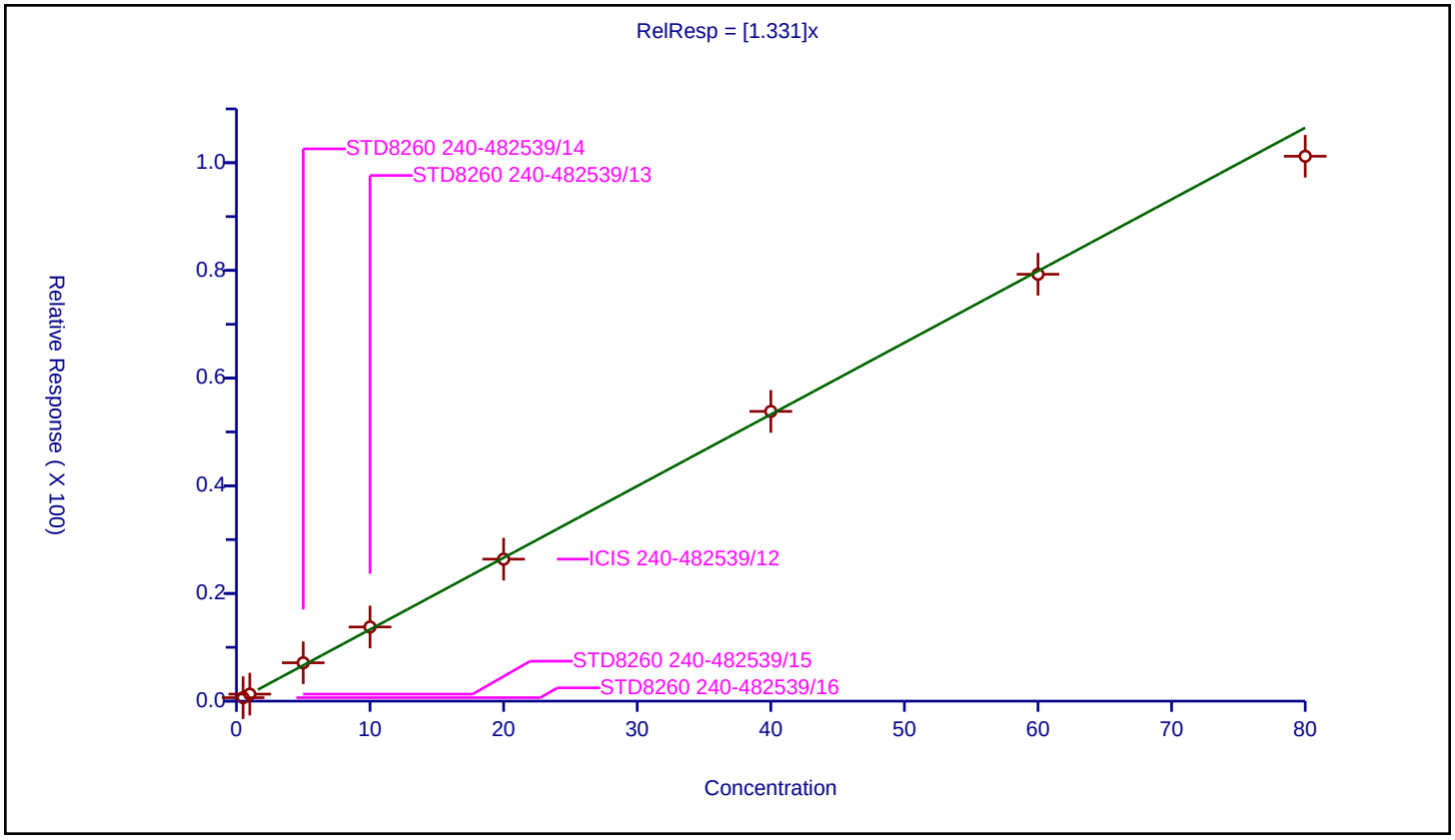
Curve Coefficients

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

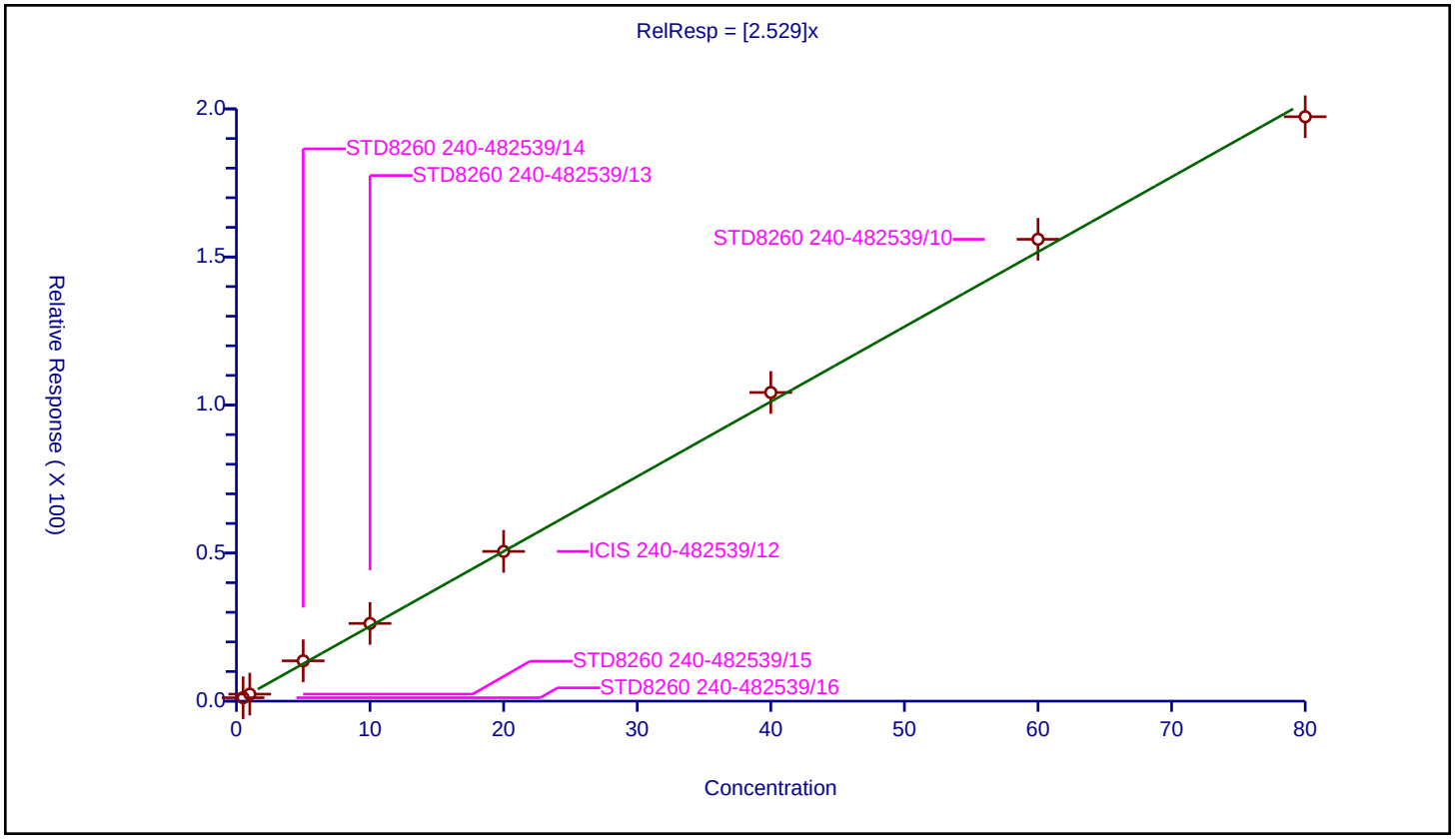
Curve Coefficients

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

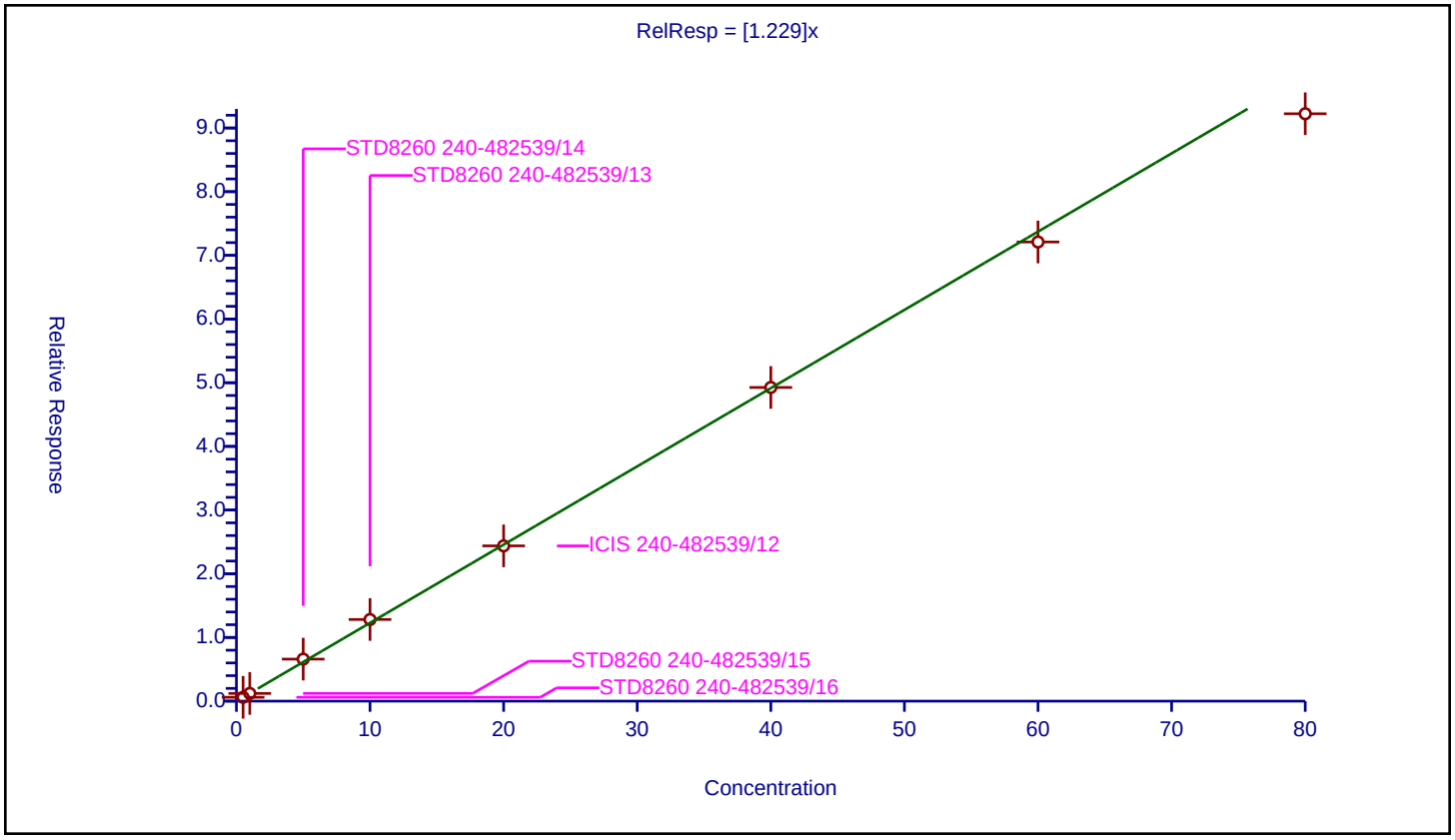
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

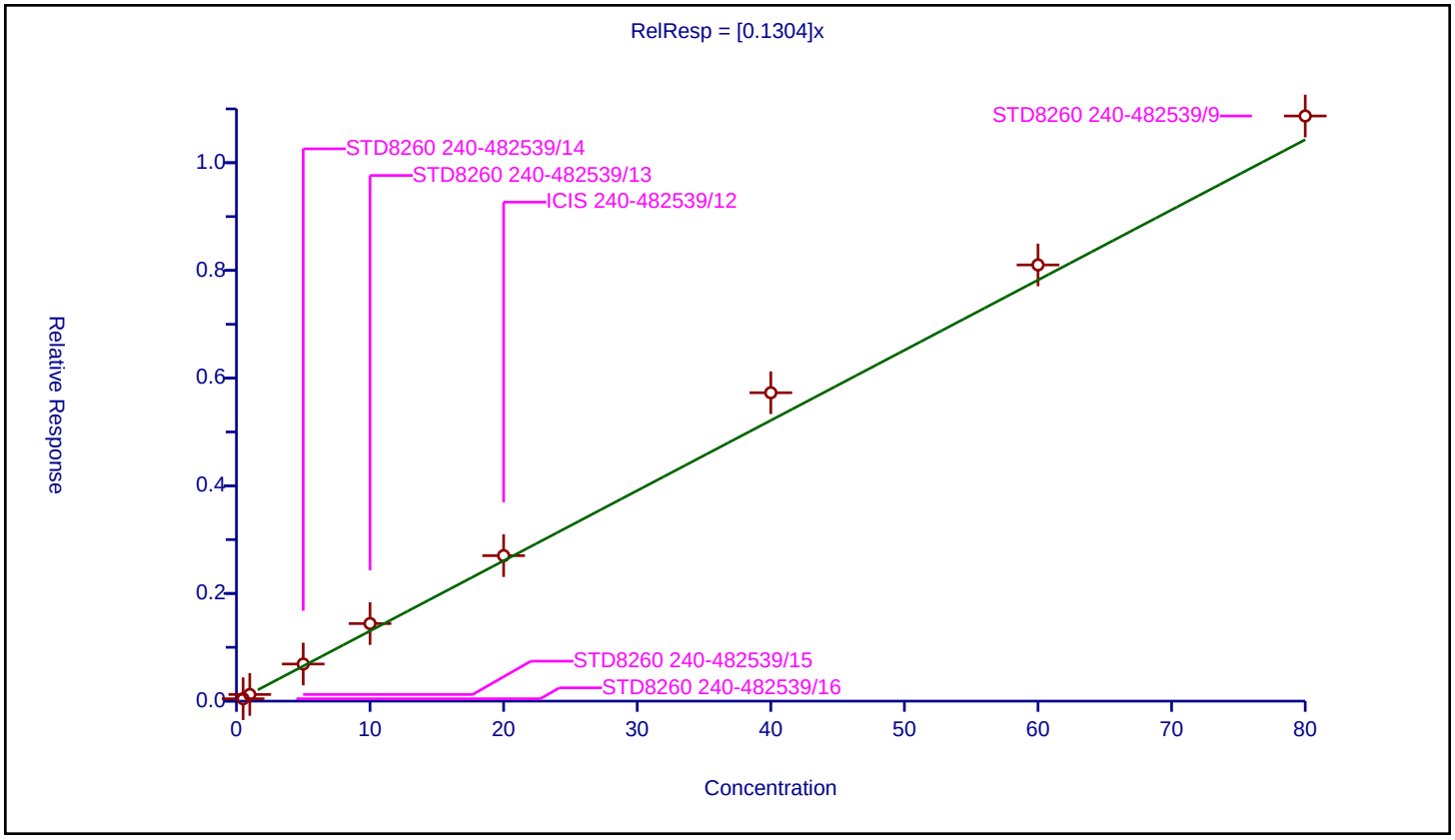
Curve Coefficients

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

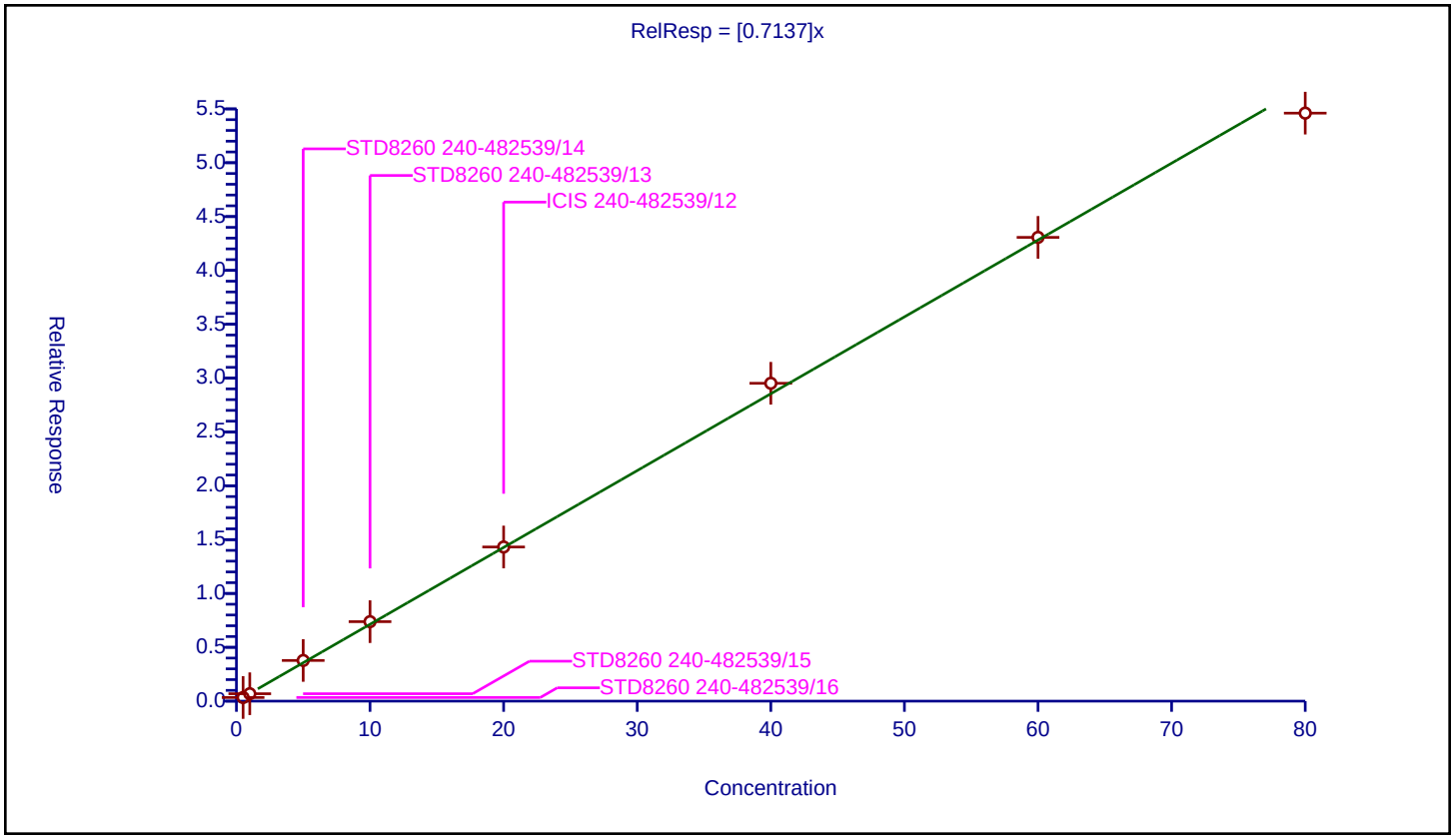
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

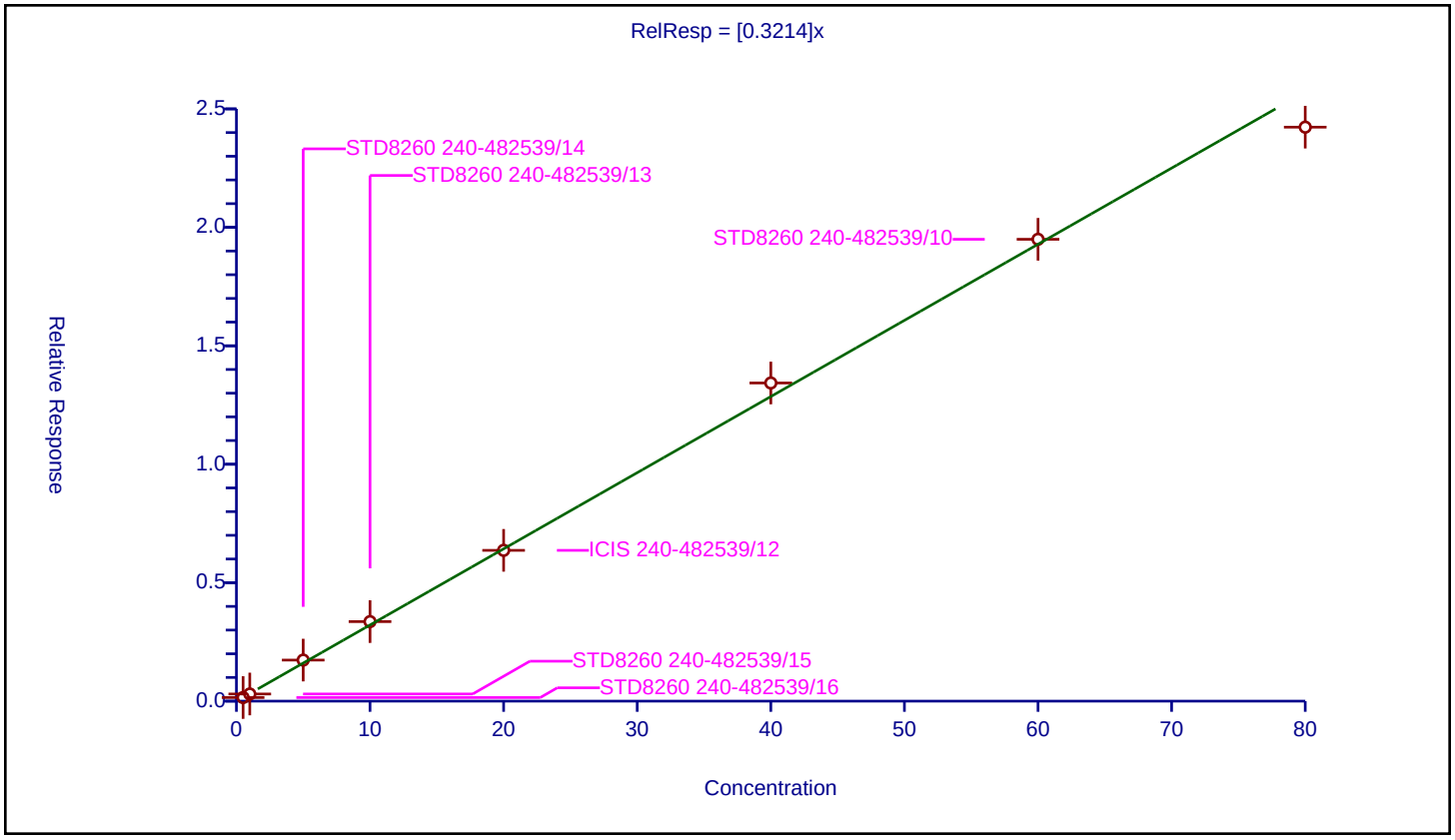
Curve Coefficients

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

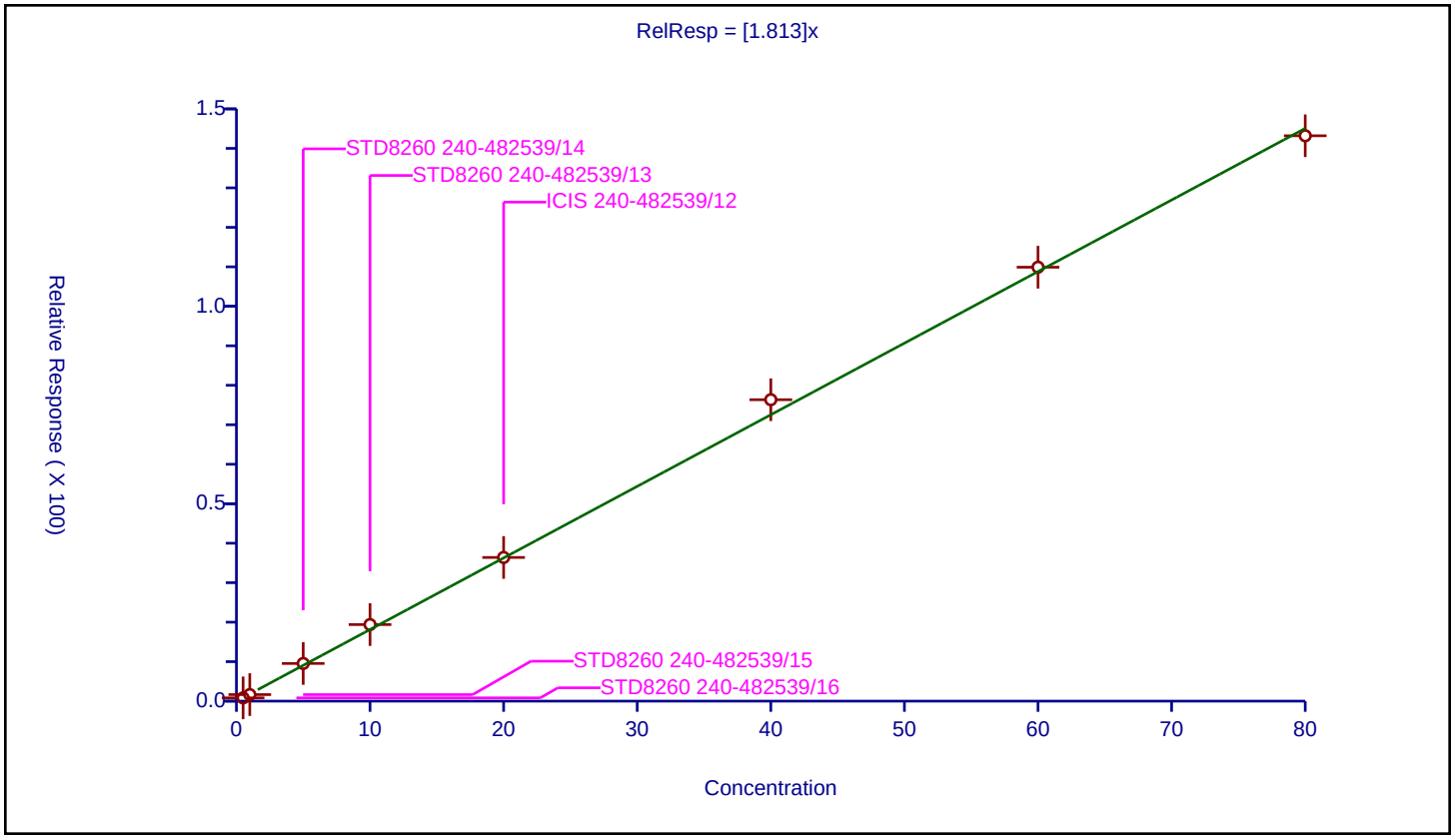
Curve Coefficients

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

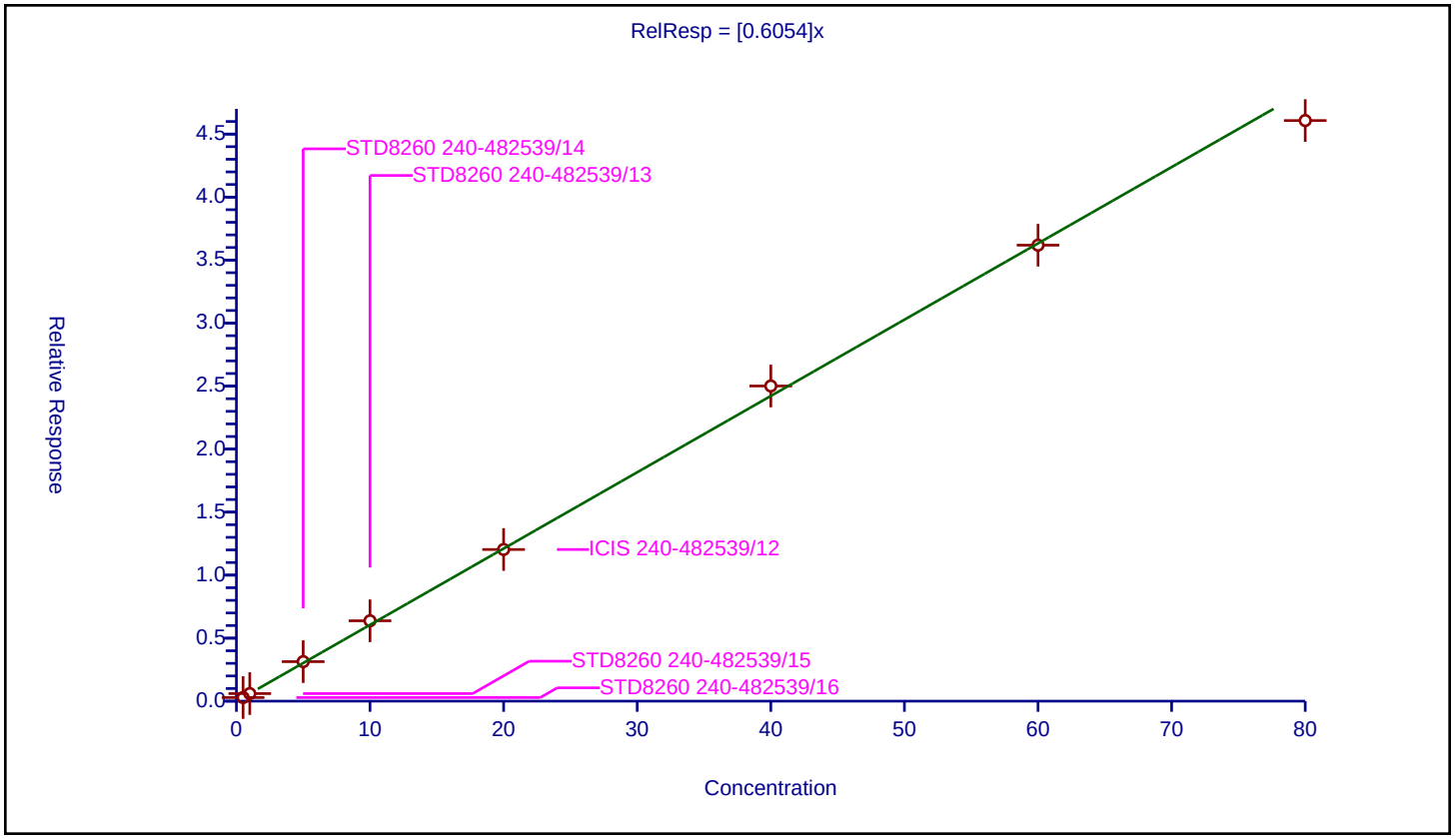
Curve Coefficients

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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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					

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

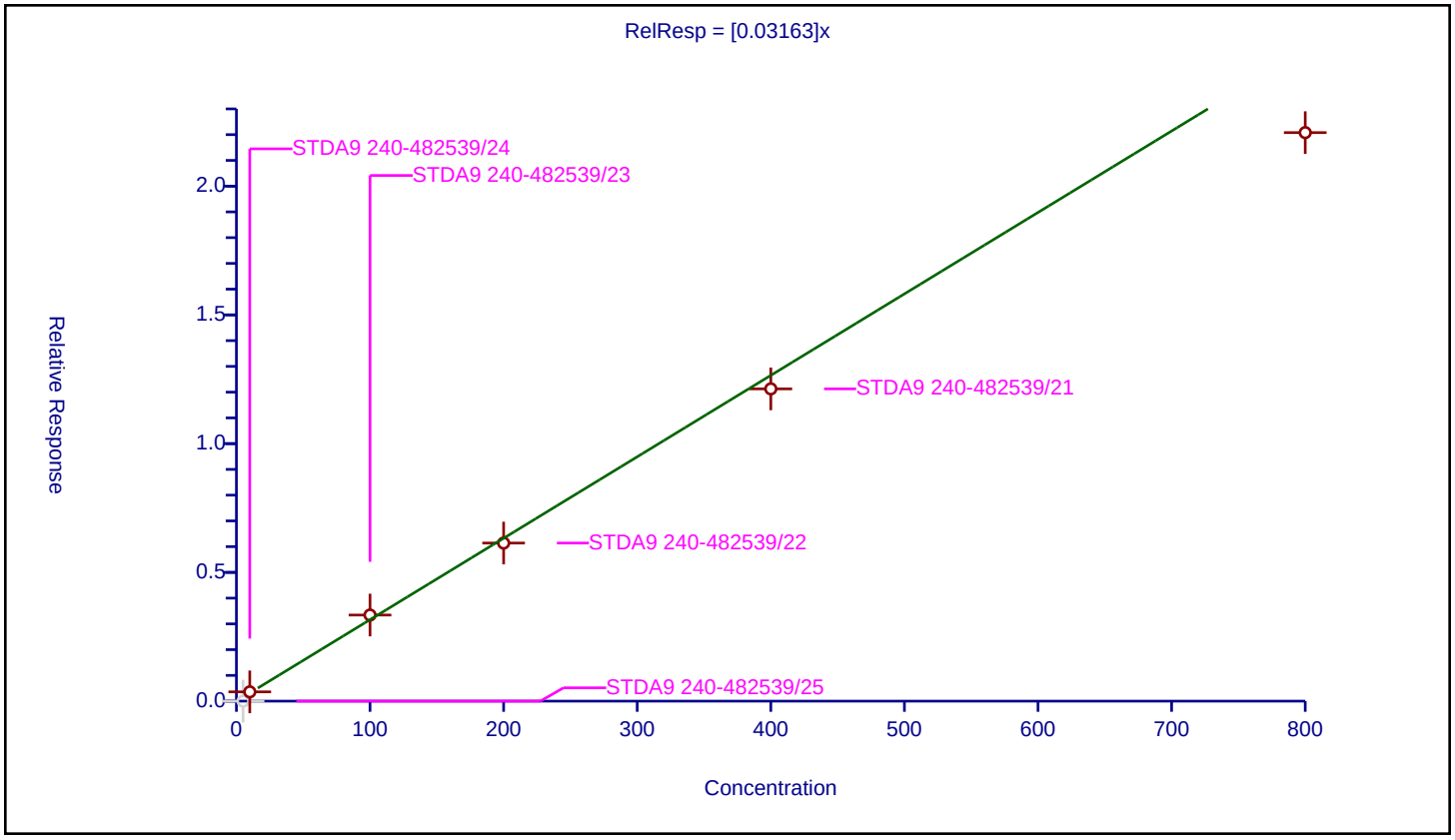
Curve Coefficients

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

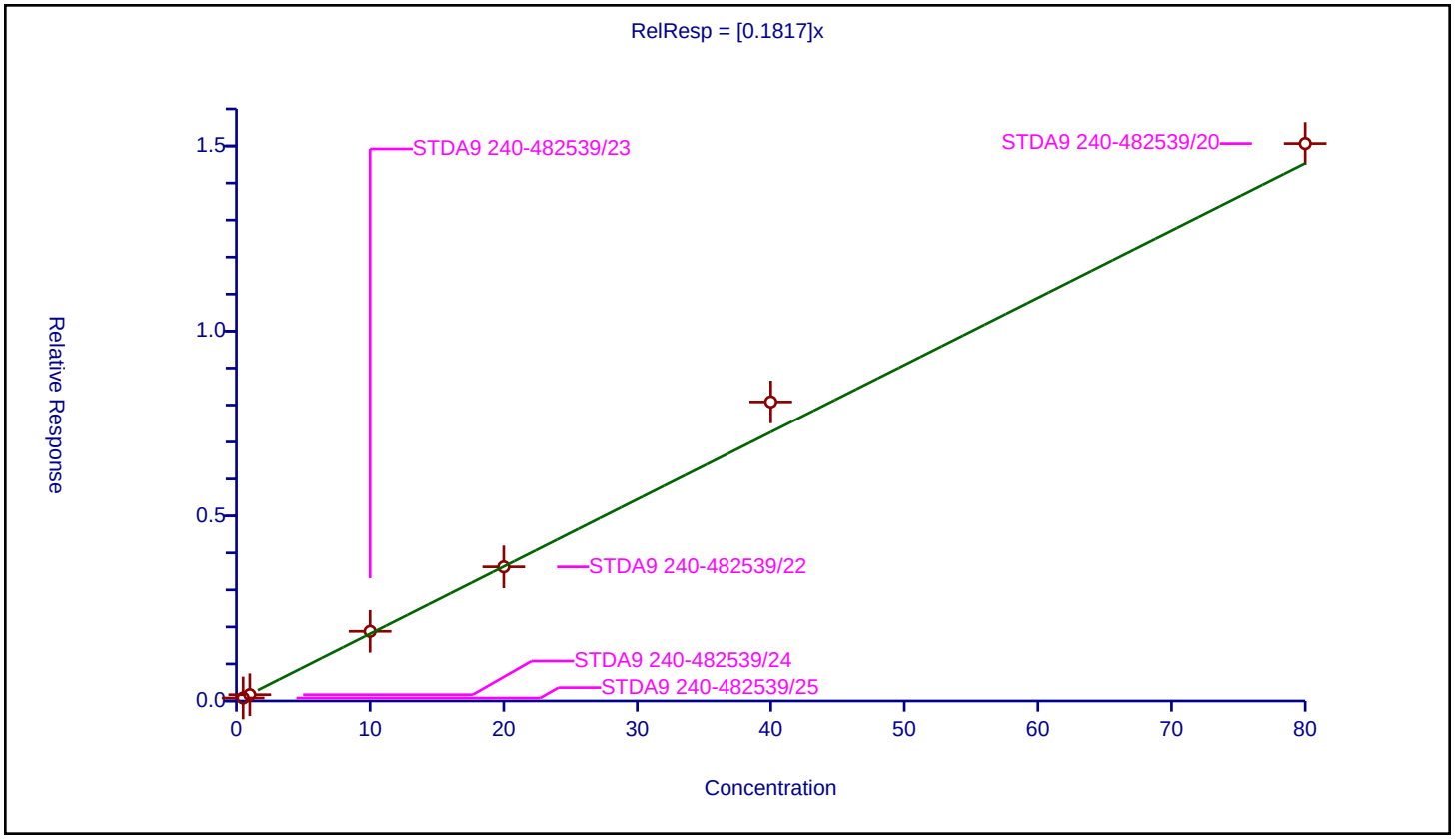
Curve Coefficients

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

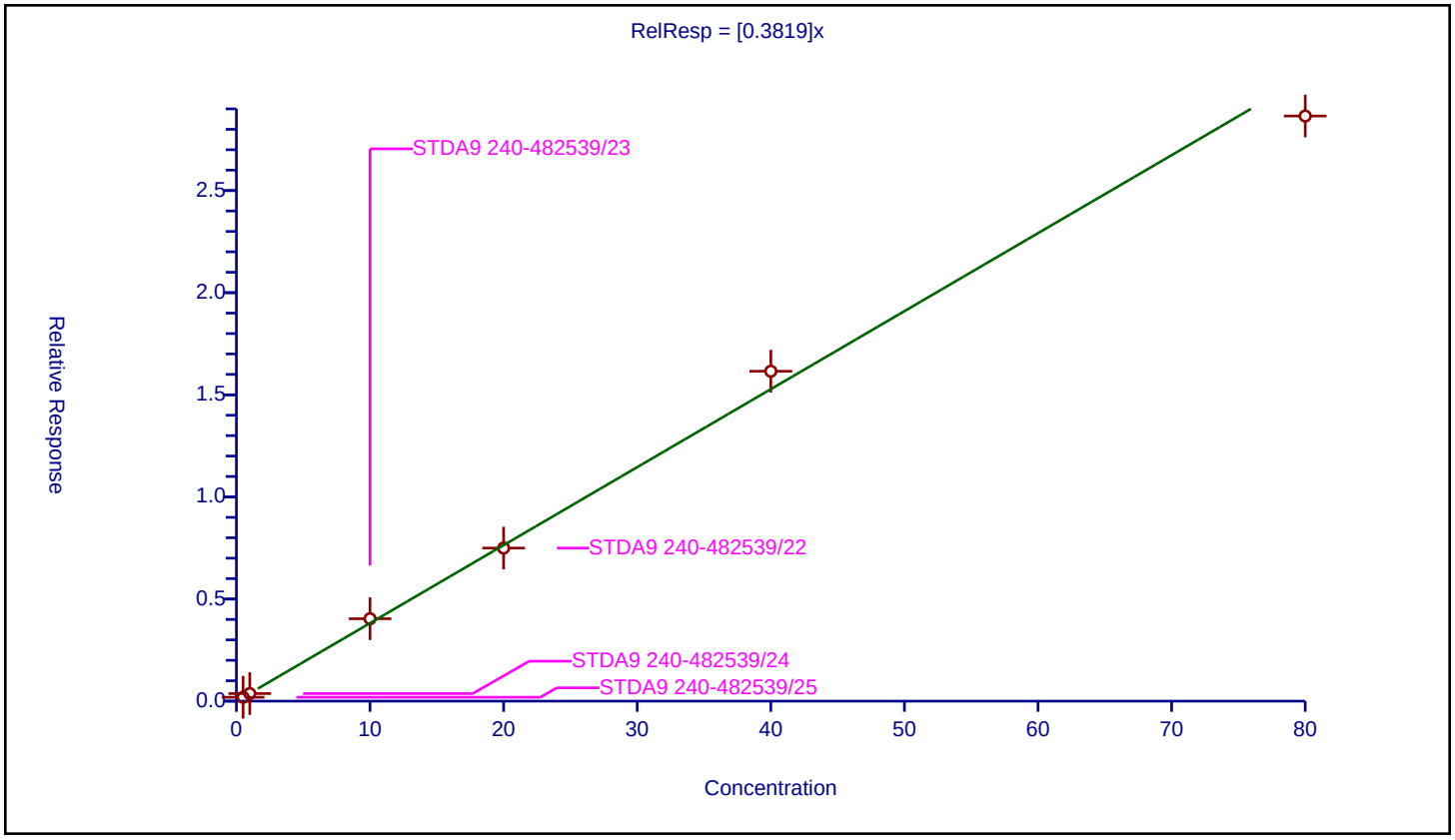
Curve Coefficients

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

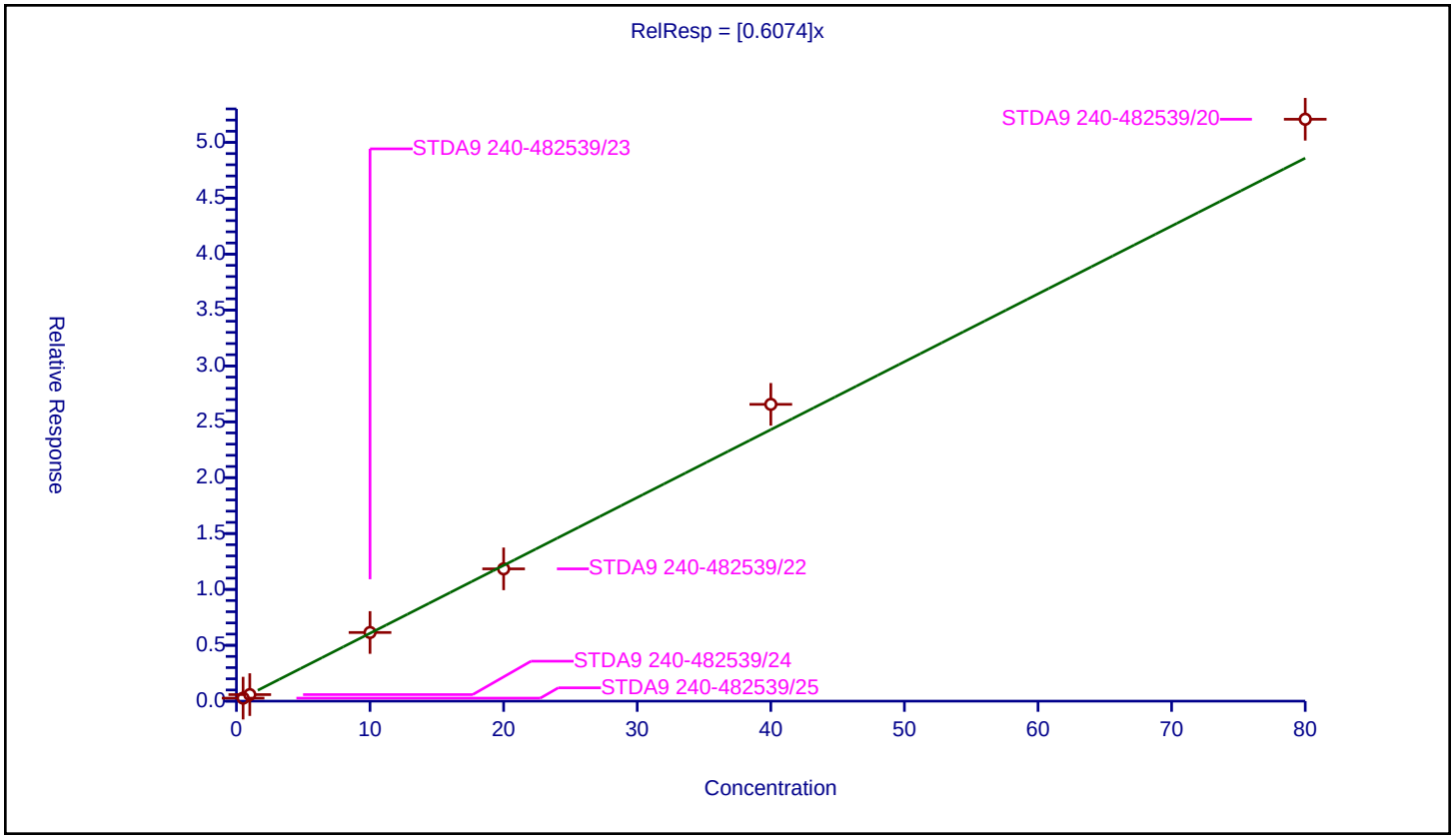
Curve Coefficients

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

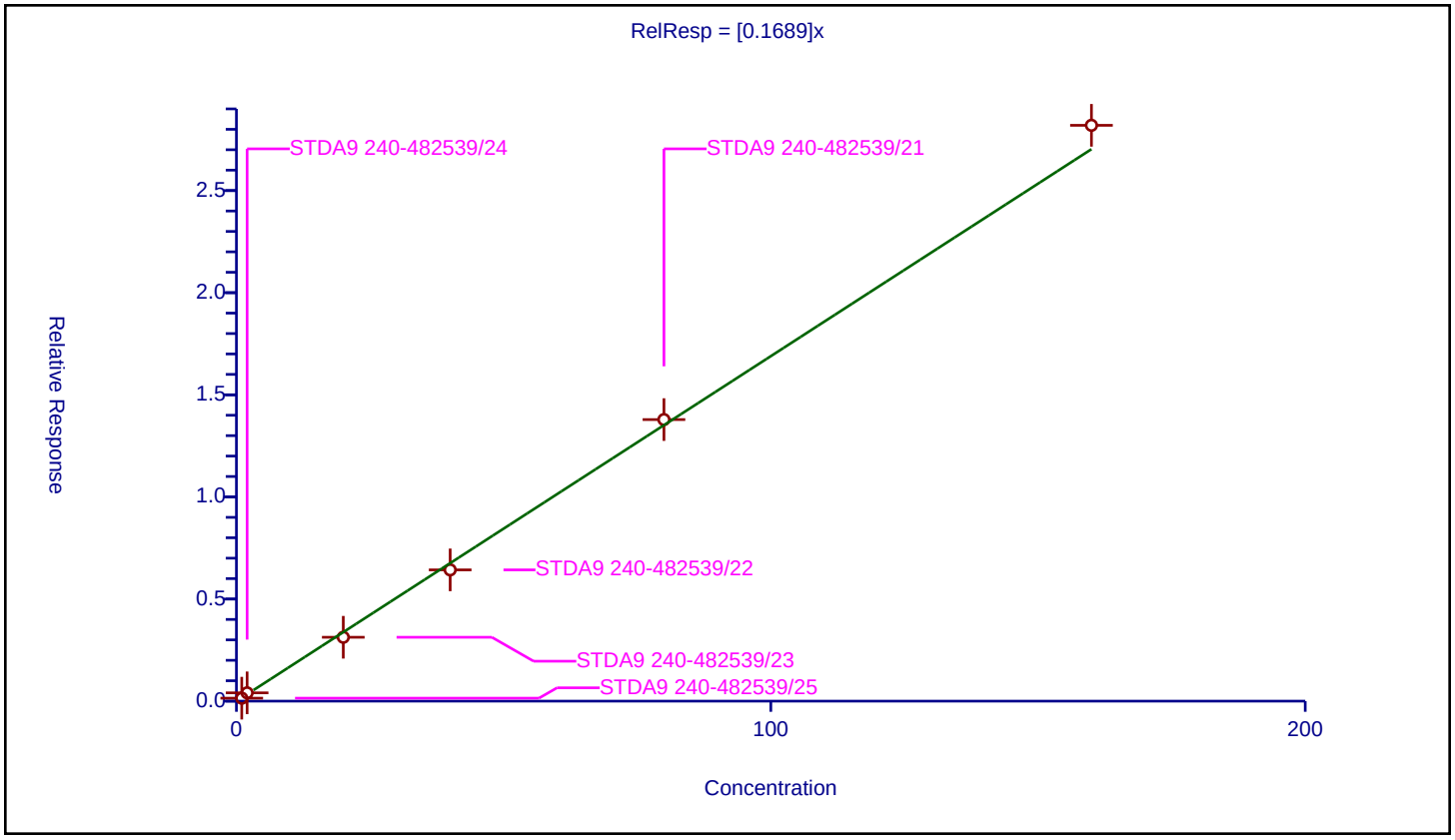
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

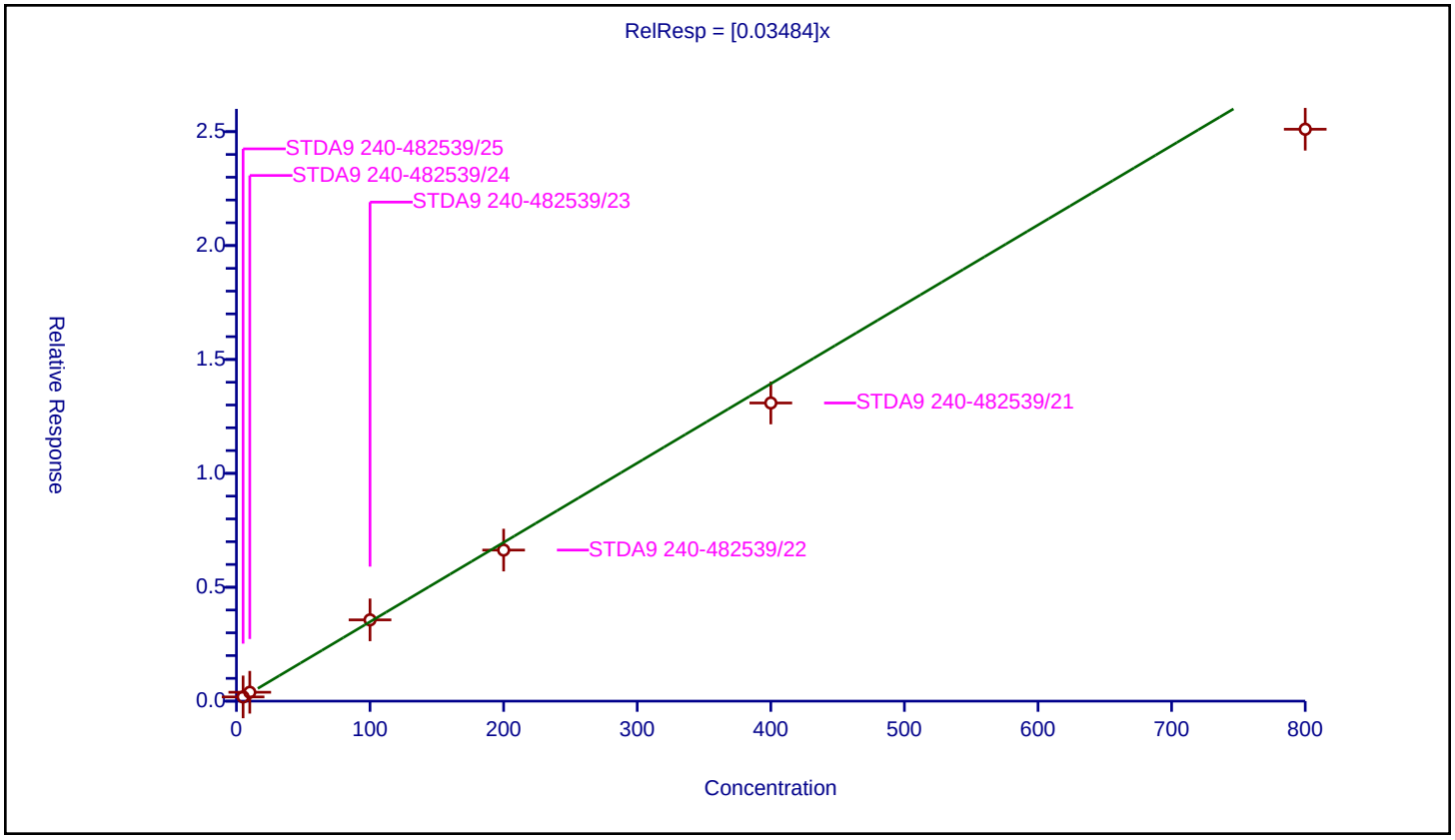
Curve Coefficients

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

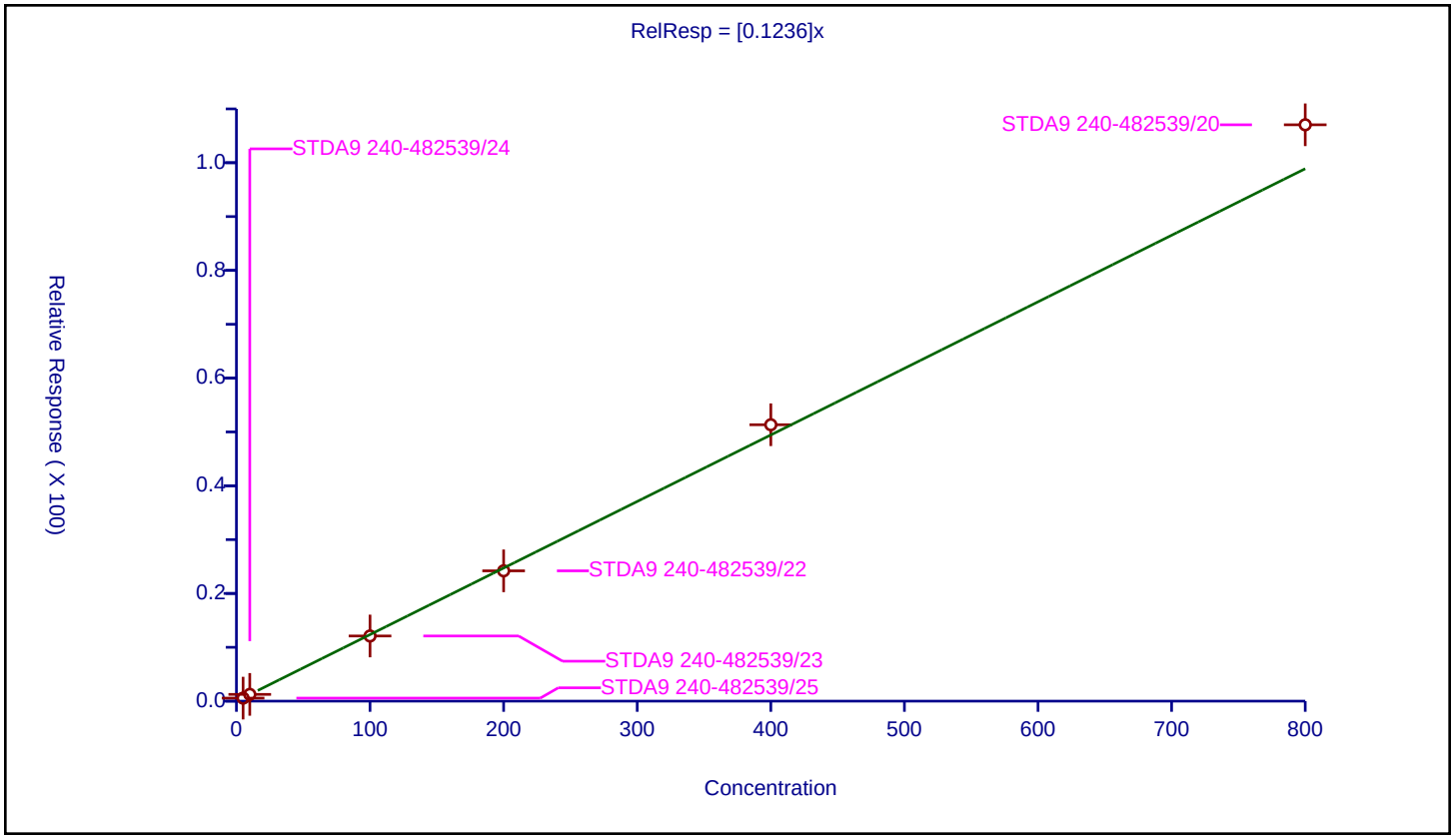
Curve Coefficients

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

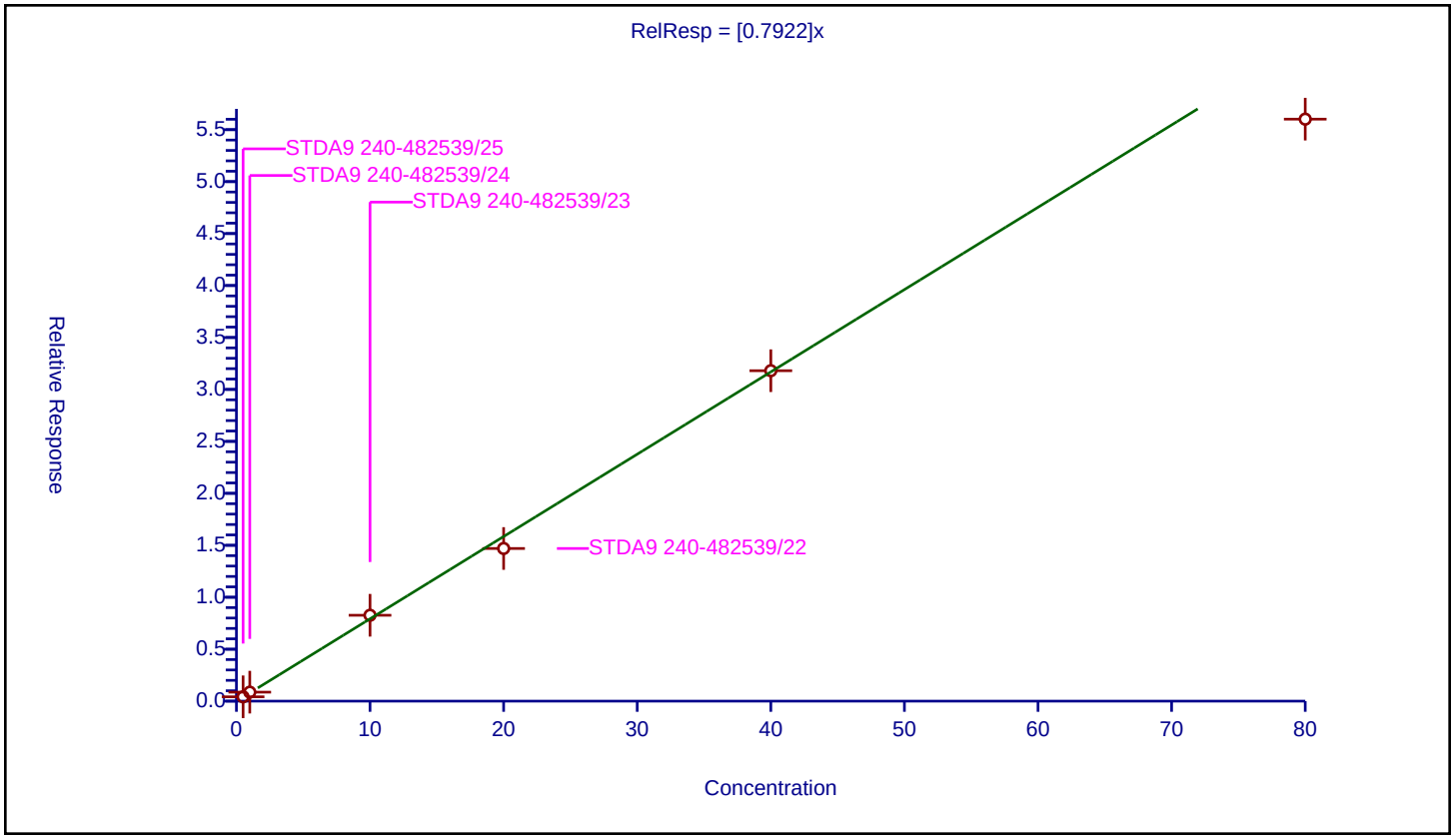
Curve Coefficients

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

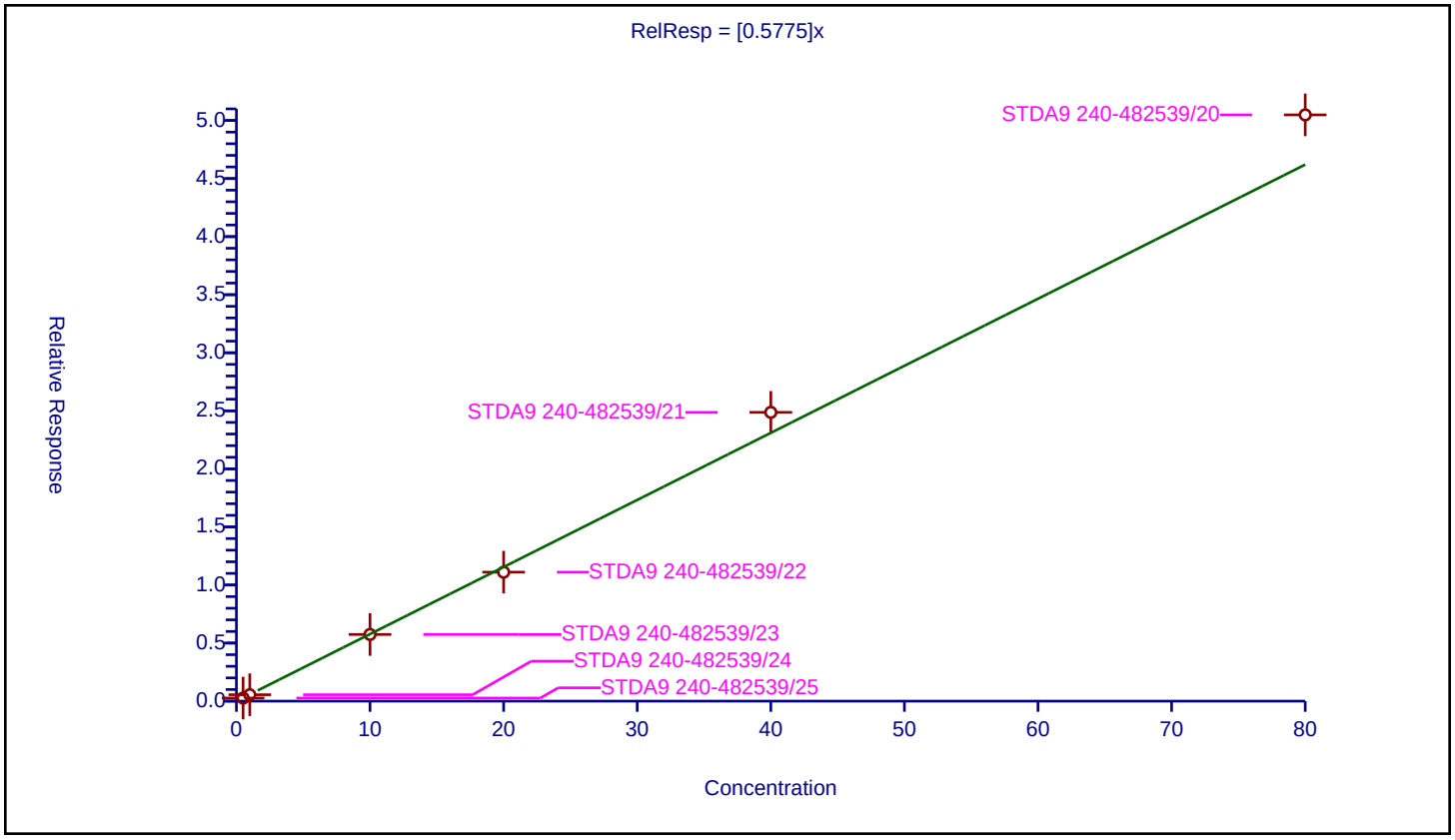
Curve Coefficients

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

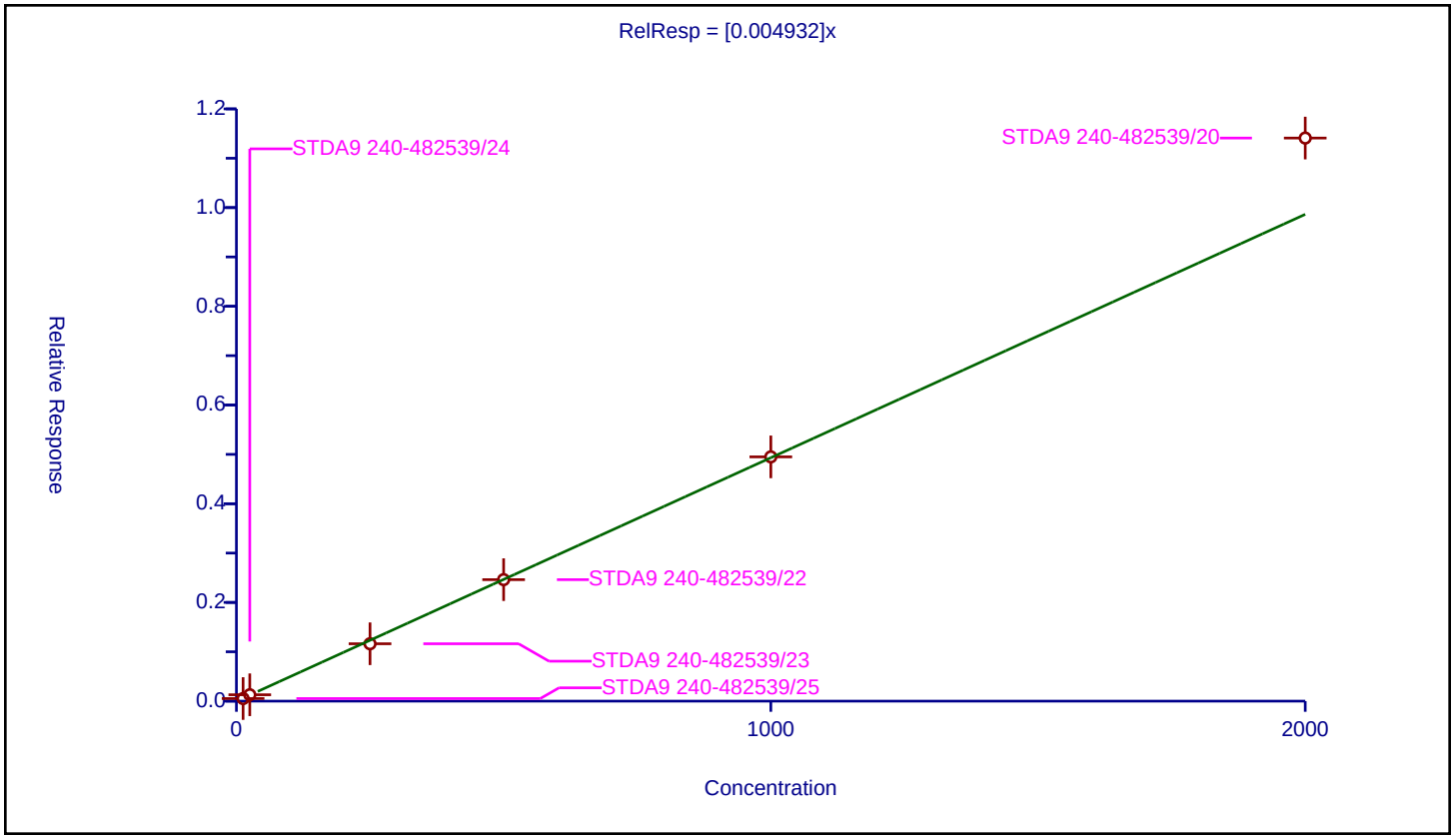
Curve Coefficients

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

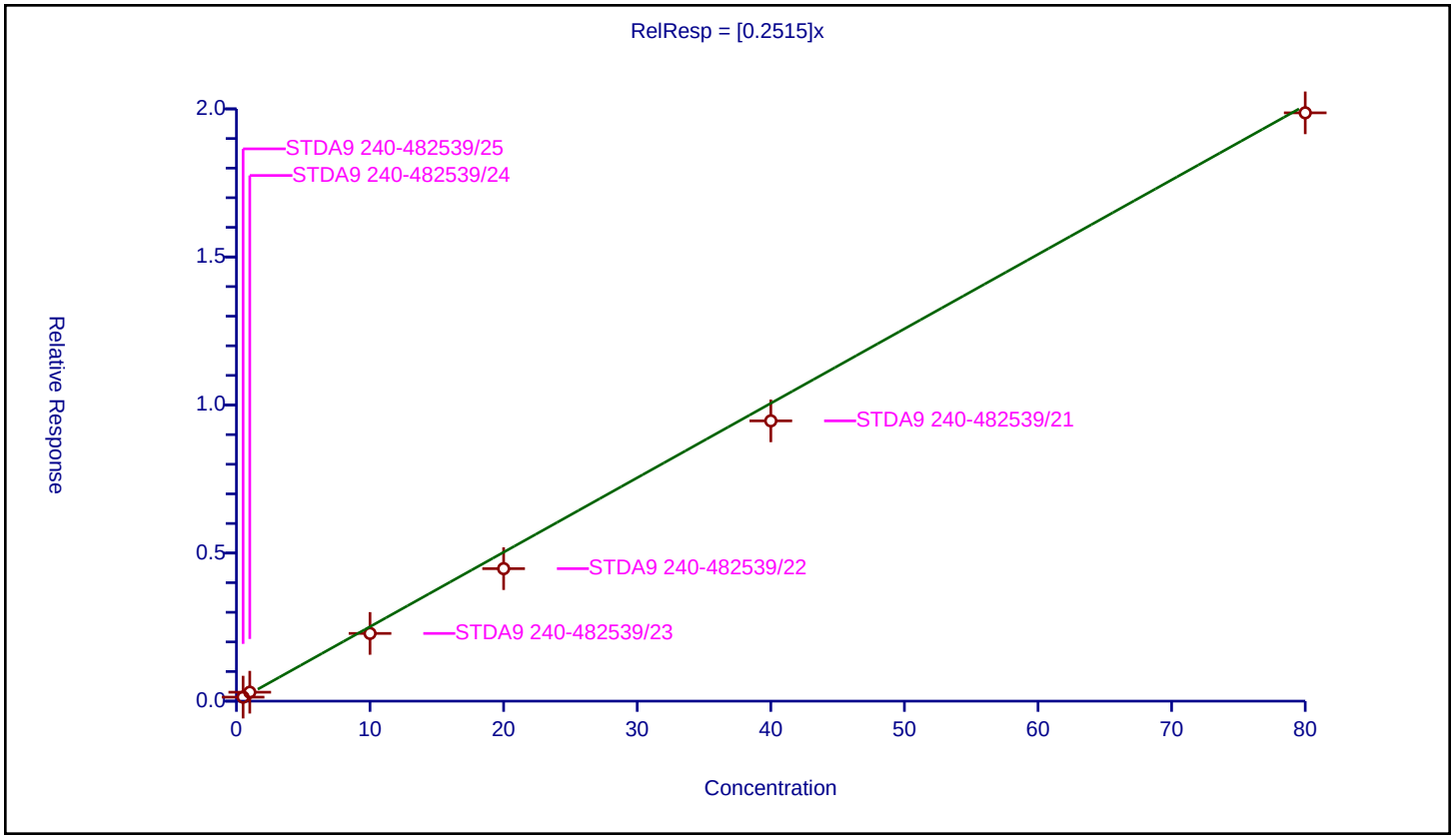
Curve Coefficients

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

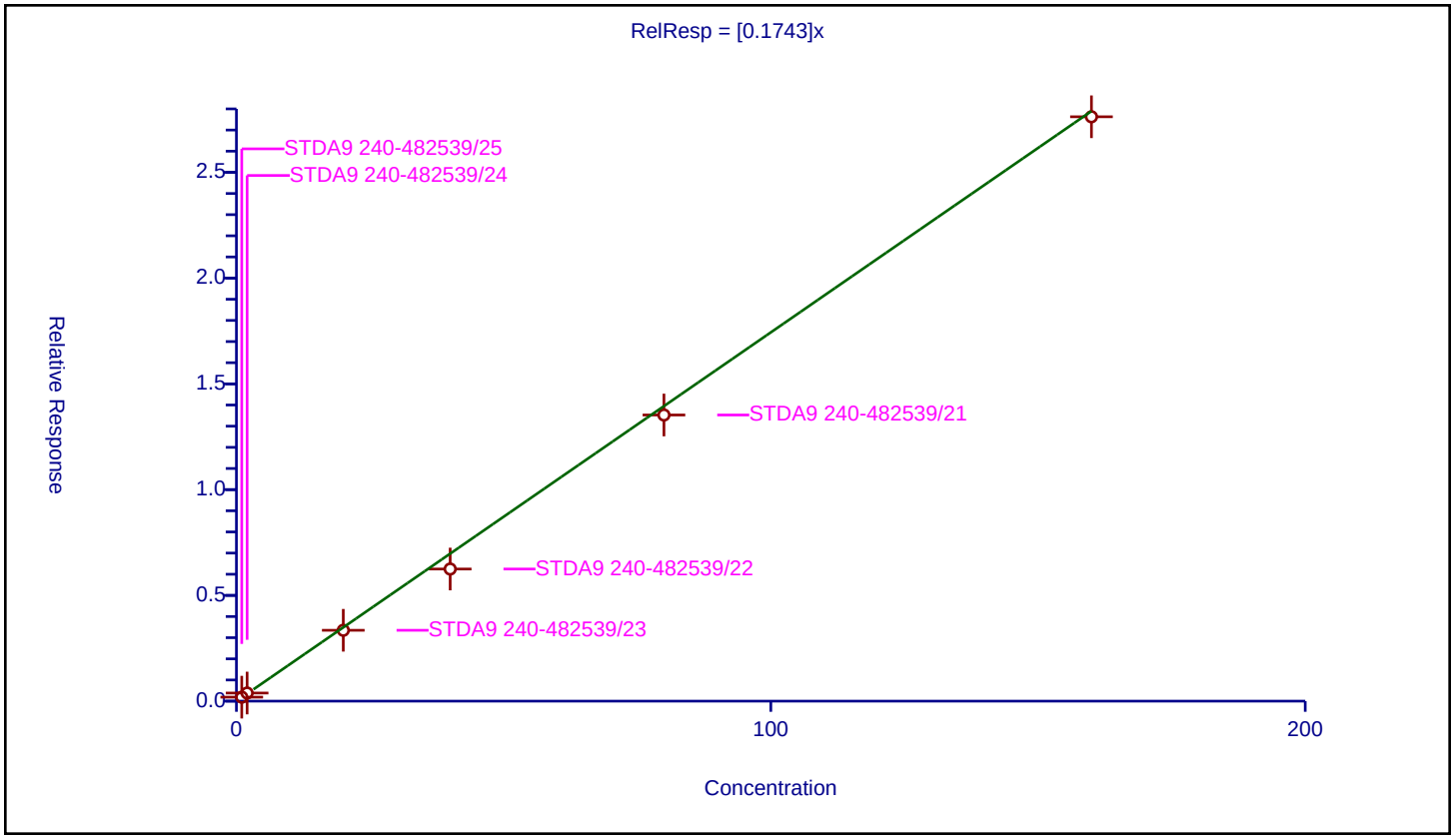
Curve Coefficients

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

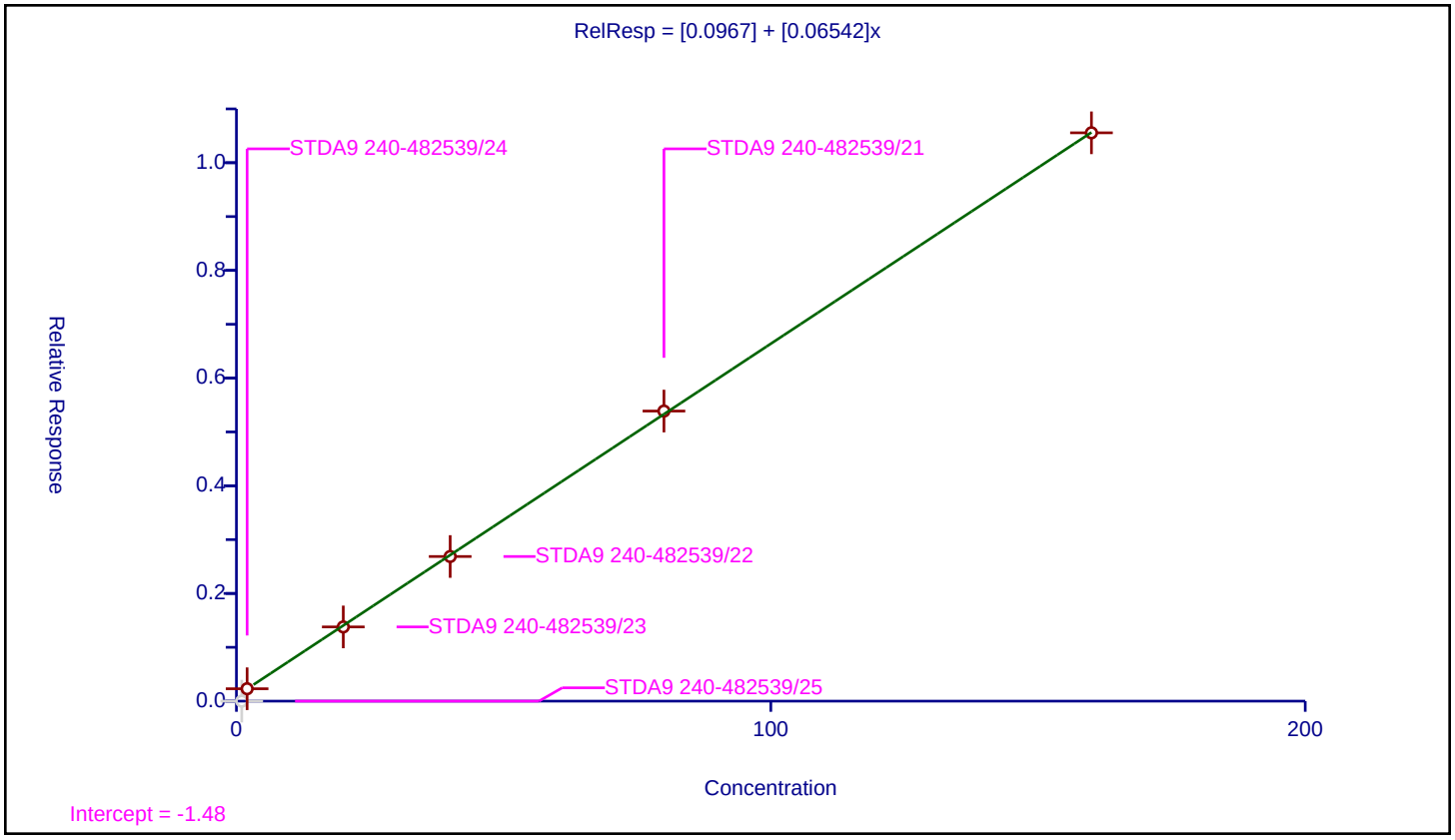
Curve Coefficients

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

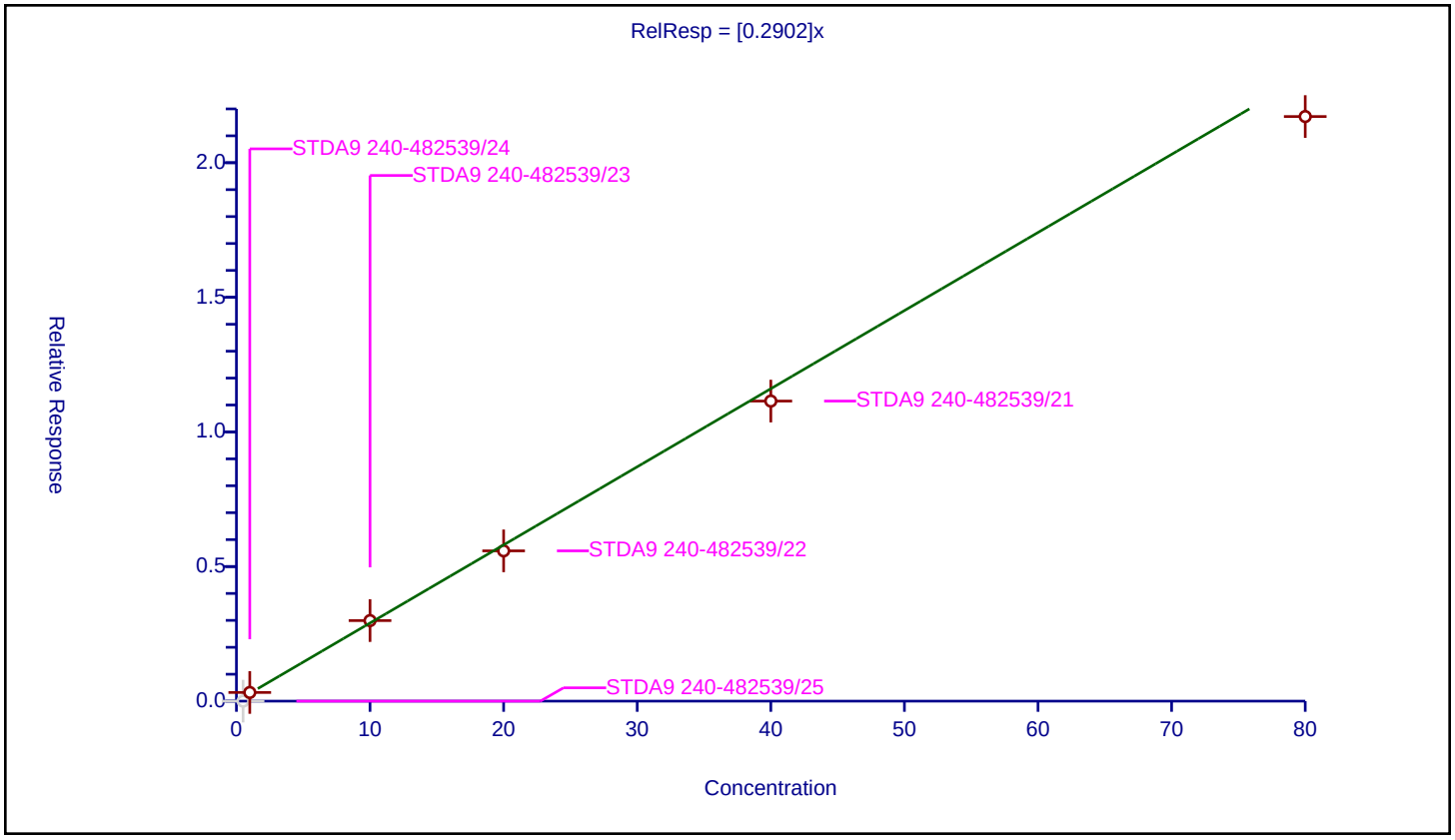
Curve Coefficients

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

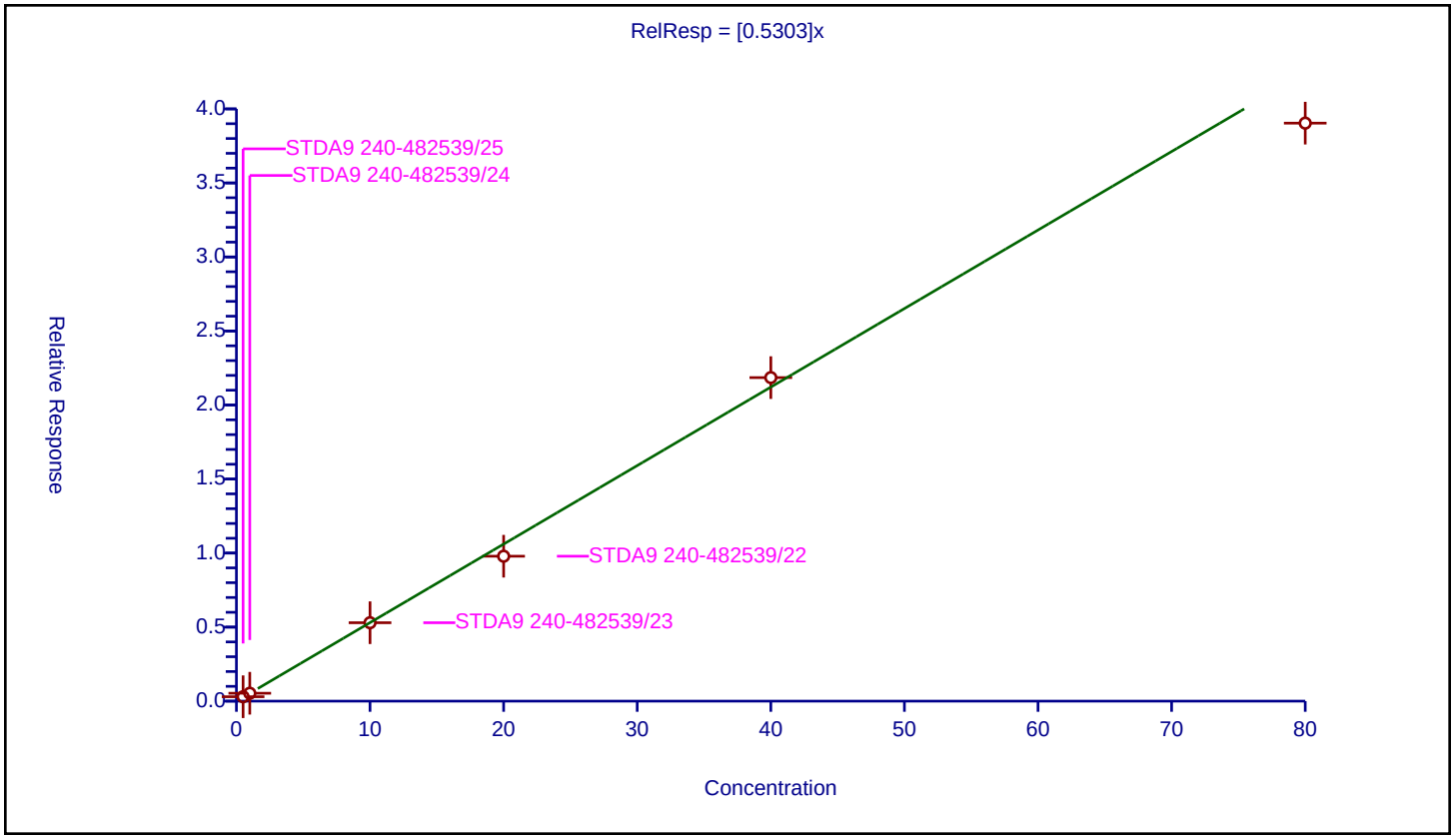
Curve Coefficients

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

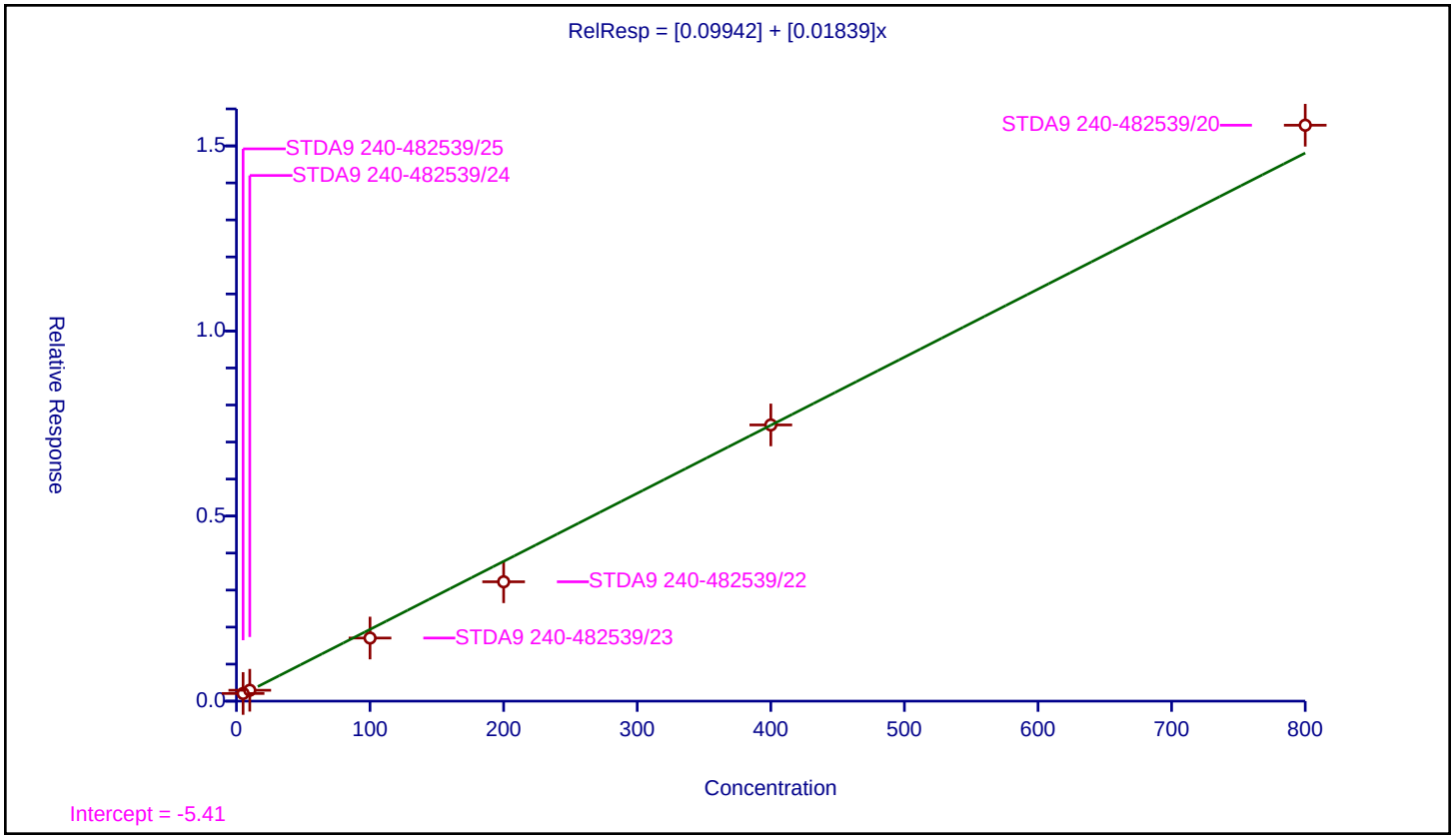
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

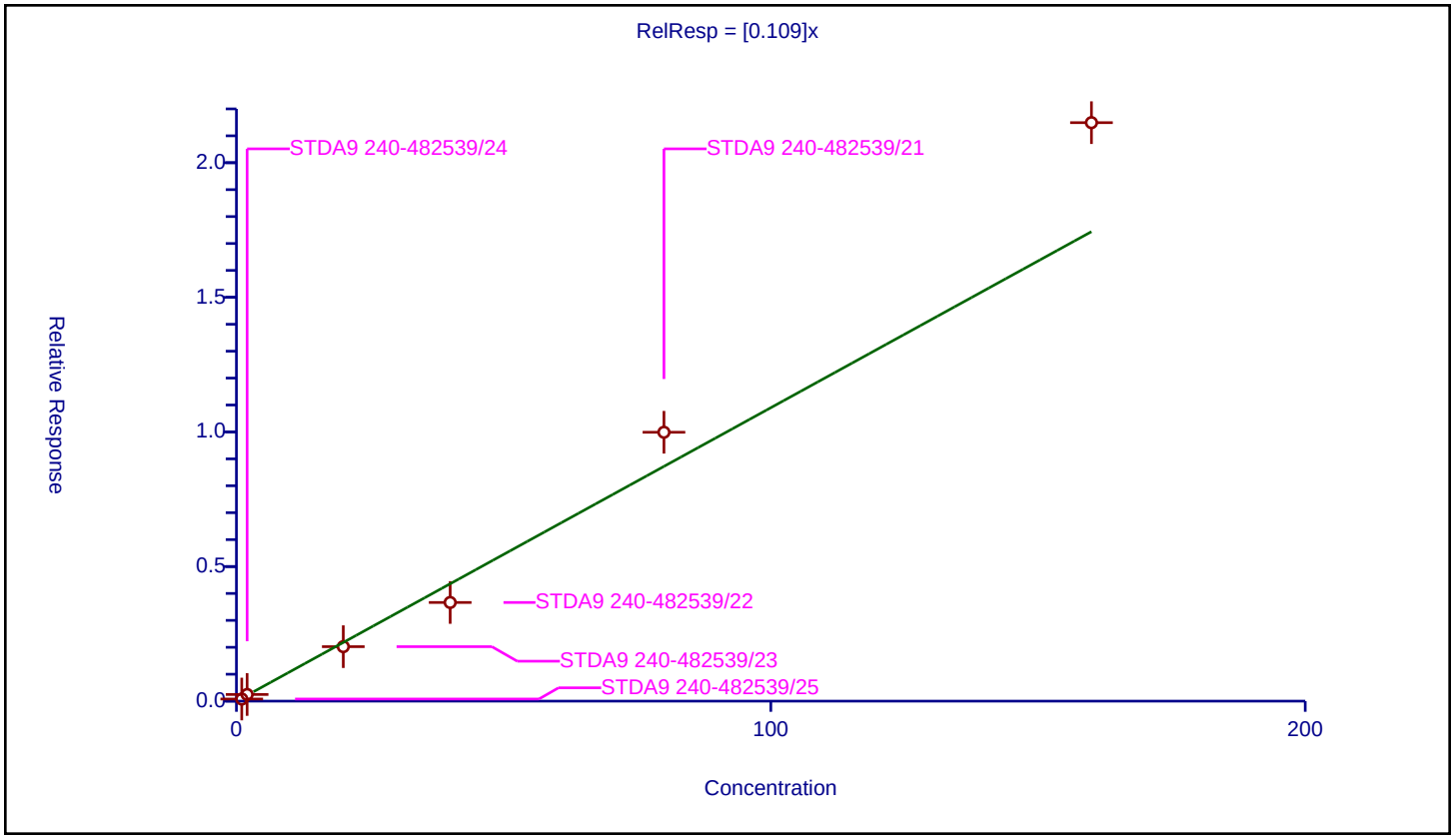
Curve Coefficients

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

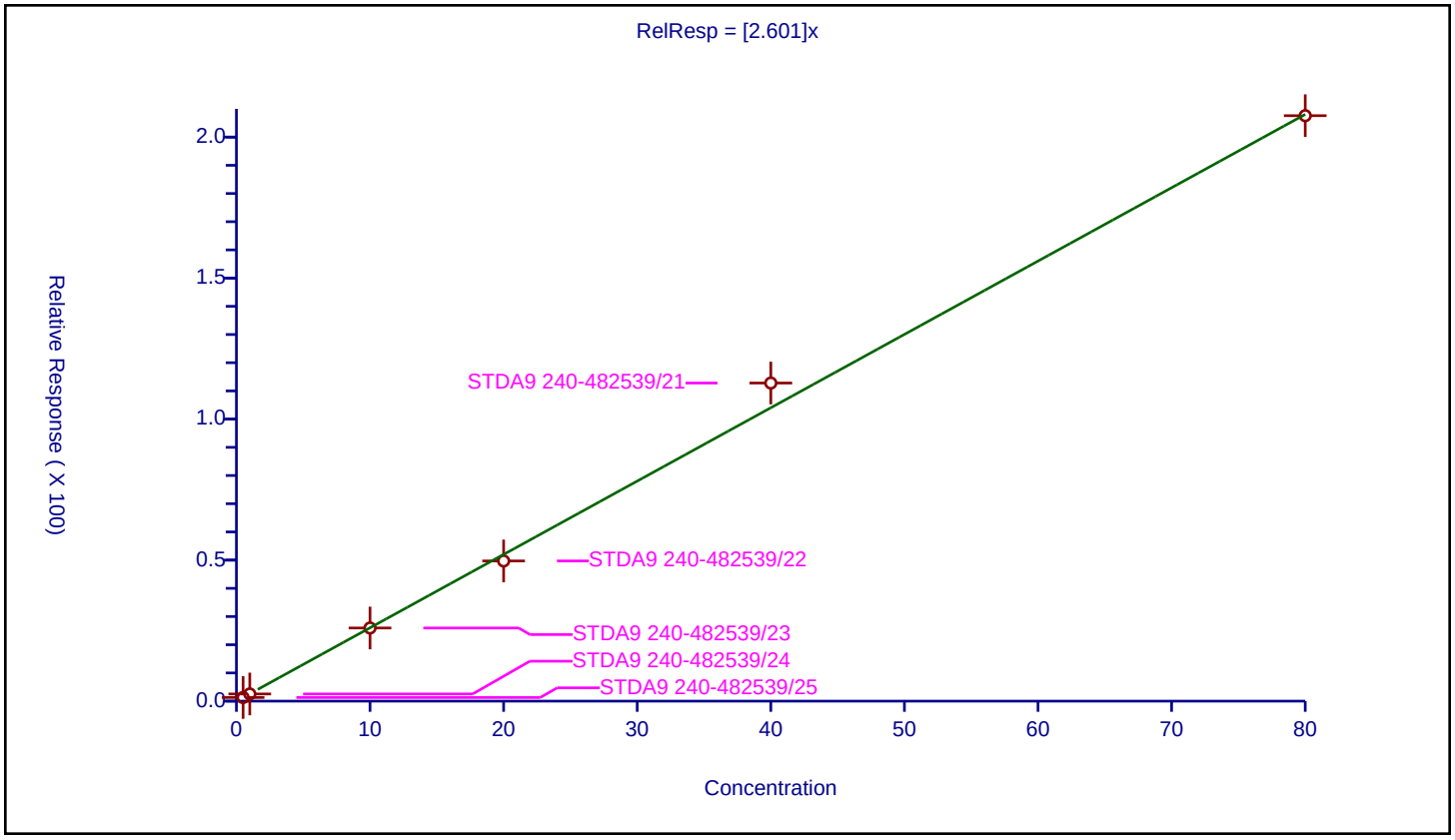
Curve Coefficients

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

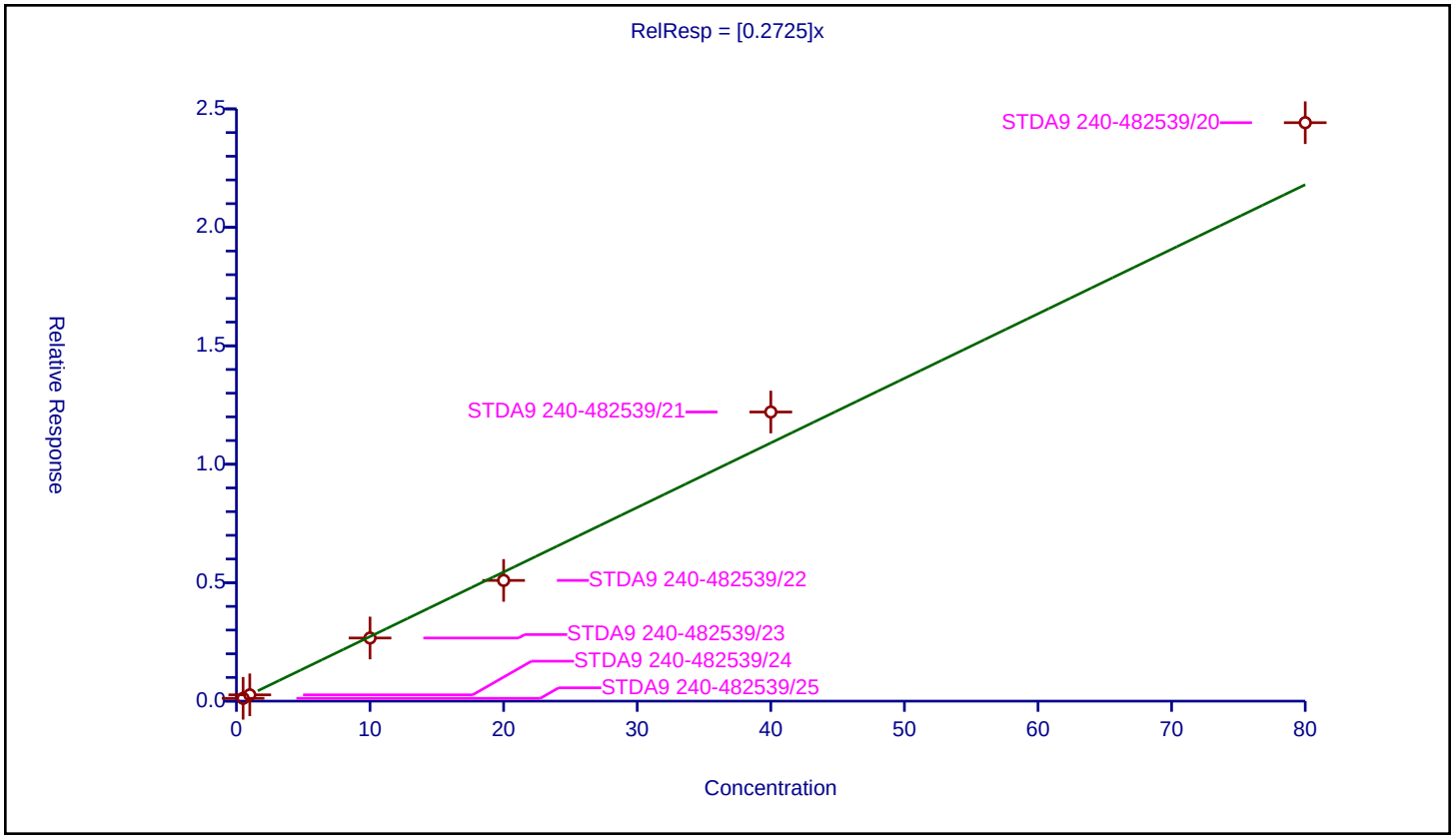
Curve Coefficients

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

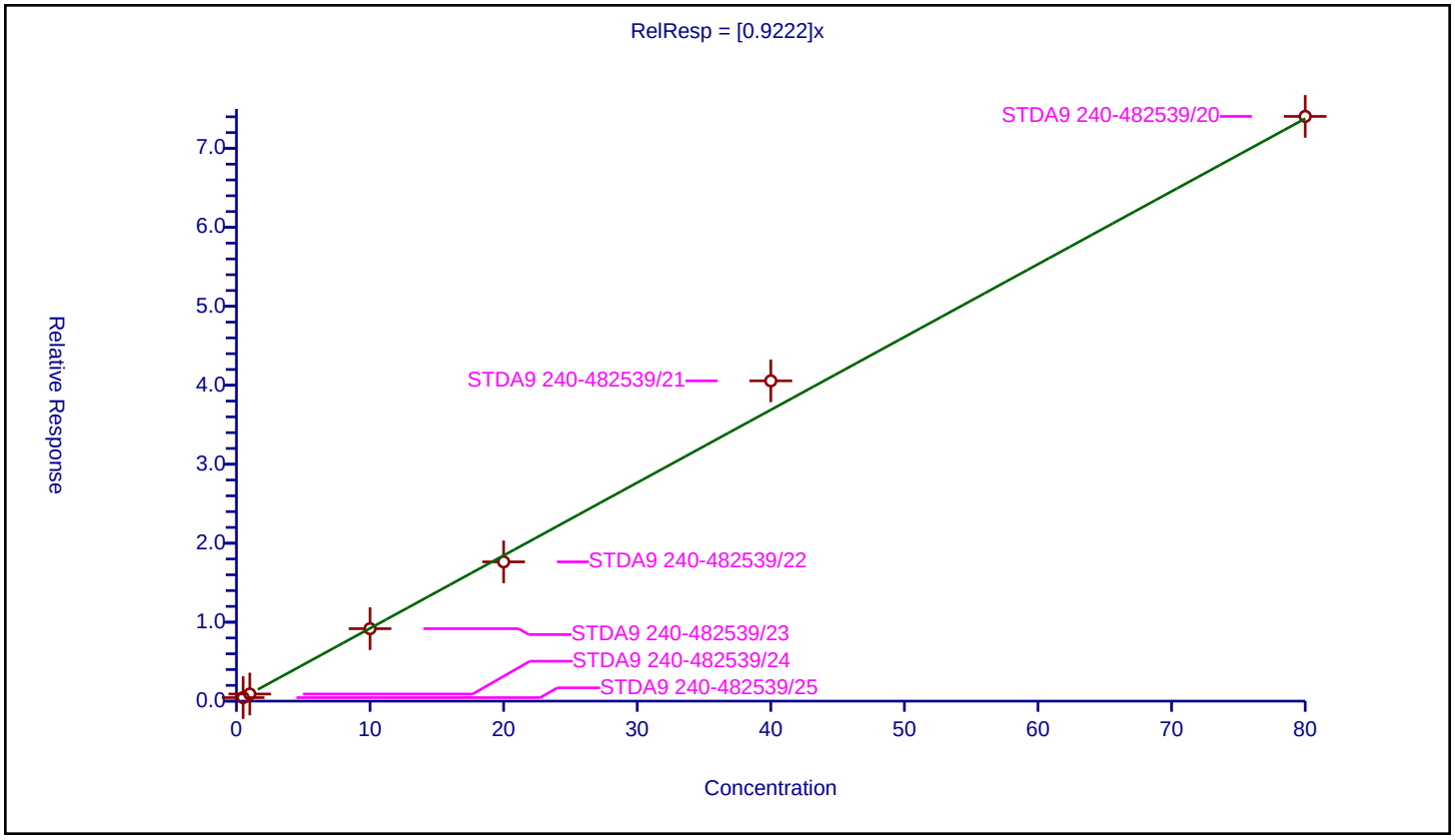
Curve Coefficients

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

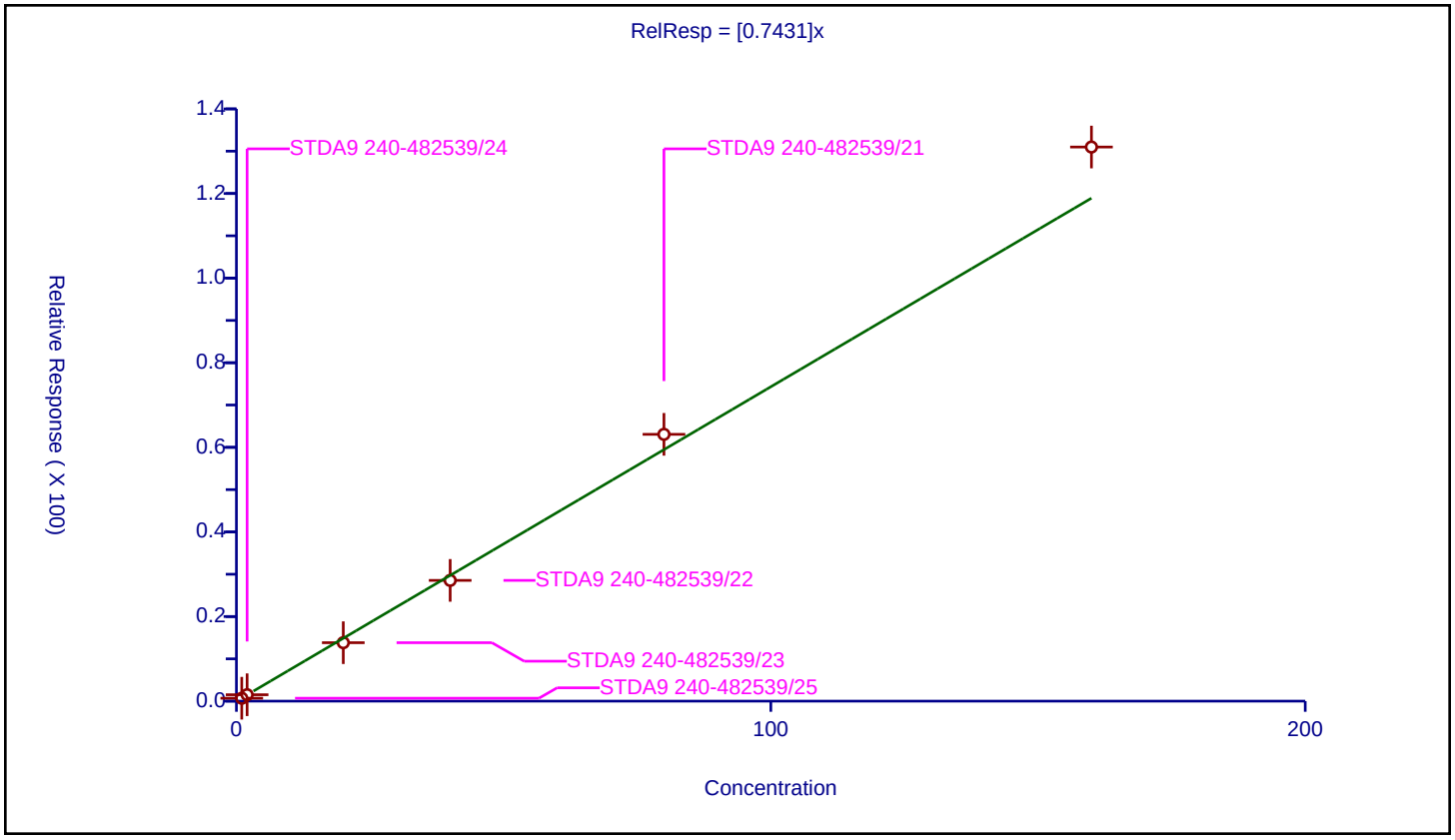
Curve Coefficients

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

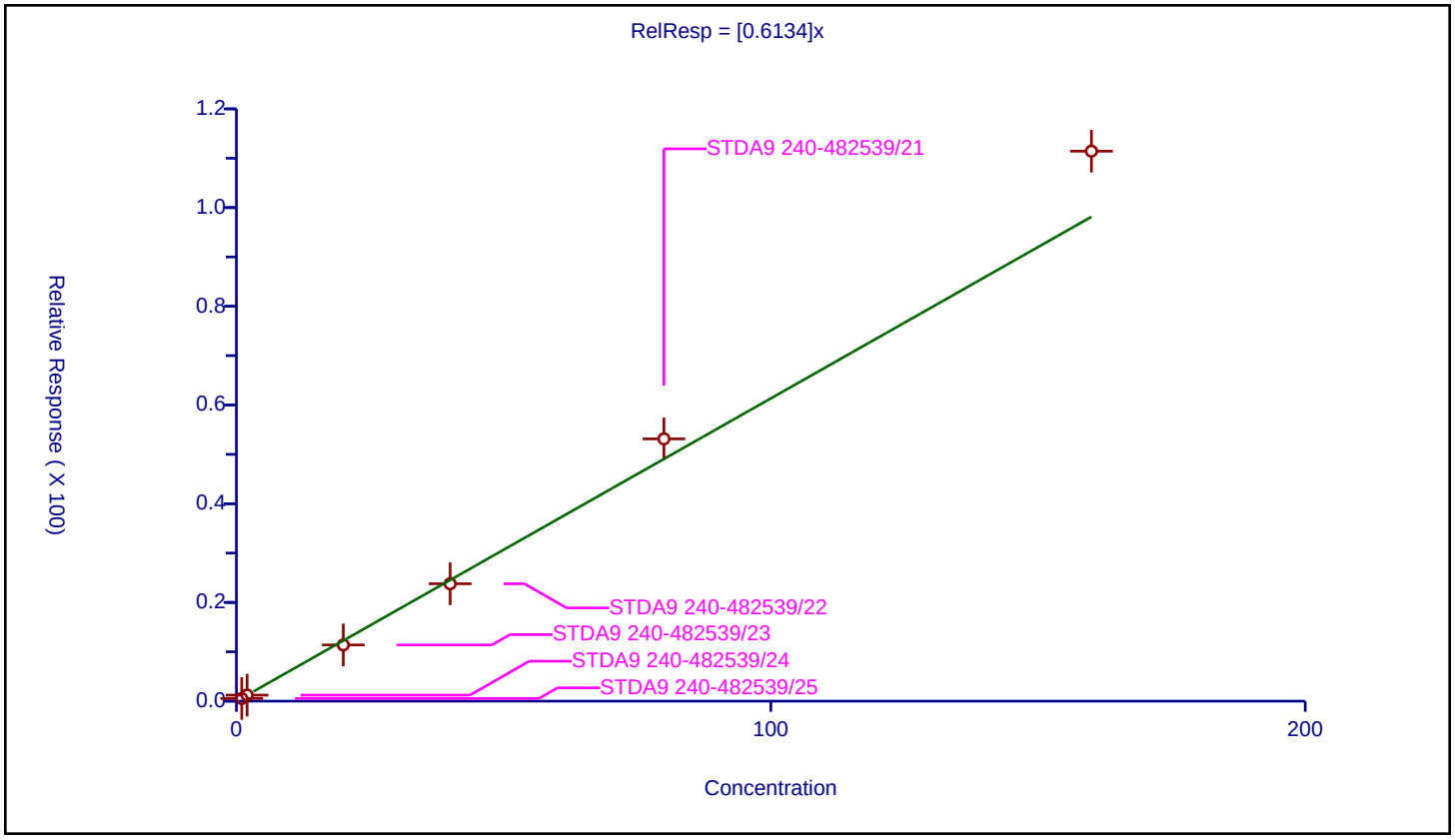
Curve Coefficients

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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1 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	18024	48715	199996	418905	0.500	1.00	2.50	10.0	20.0
			877580	1276174	1712382			40.0	60.0	80.0		
Cyclohexane	FB	Ave	7158	14028	39644	152214	347766	0.500	1.00	2.50	10.0	20.0
			728343	1072252	1459100			40.0	60.0	80.0		
1,1-Dichloropropene	FB	Ave	7666	15175	43613	170497	357821	0.500	1.00	2.50	10.0	20.0
			750322	1113586	1484375			40.0	60.0	80.0		
Isobutyl alcohol	FB	Ave	9495	17494	55528	229227	464929	12.5	25.0	62.5	250	500
			998922	1576451	2130077			1000	1500	2000		
Carbon tetrachloride	FB	Ave	8030	15105	43726	183252	385278	0.500	1.00	2.50	10.0	20.0
			810280	1202992	1627938			40.0	60.0	80.0		
Benzene	FB	Ave	20249	43667	115189	460853	952903	0.500	1.00	2.50	10.0	20.0
			2003230	2963085	3917149			40.0	60.0	80.0		
1,2-Dichloroethane	FB	Ave	8938	16671	44665	178516	360698	0.500	1.00	2.50	10.0	20.0
			749297	1102747	1475760			40.0	60.0	80.0		
n-Heptane	FB	Lin1	+++++	+++++	48458	93124	173275	+++++	+++++	2.50	10.0	20.0
			329417	463217	627661			40.0	60.0	80.0		
Trichloroethene	FB	Ave	6782	14359	35179	142073	290279	0.500	1.00	2.50	10.0	20.0
			616198	919622	1209926			40.0	60.0	80.0		
Methylcyclohexane	FB	Ave	8307	16661	46144	173955	395716	0.500	1.00	2.50	10.0	20.0
			827997	1192345	1679100			40.0	60.0	80.0		
1,2-Dichloropropane	FB	Ave	5010	11288	27420	110587	231719	0.500	1.00	2.50	10.0	20.0
			491864	719856	973150			40.0	60.0	80.0		
1,4-Dioxane	FB	Ave	+++++	2823	7289	44929	87849	+++++	20.0	50.0	200	400
			205334	309931	397399			800	1200	1600		
Dibromomethane	FB	Ave	4922	10584	25370	101387	207940	0.500	1.00	2.50	10.0	20.0
			434983	648028	842017			40.0	60.0	80.0		
Bromodichloromethane	FB	Ave	7510	15980	39169	164877	330939	0.500	1.00	2.50	10.0	20.0
			721776	1070608	1430067			40.0	60.0	80.0		
2-Chloroethyl vinyl ether	FB	Ave	7319	16462	40443	173149	340785	1.00	2.00	5.00	20.0	40.0
			777211	1129957	1495153			80.0	120	160		
cis-1,3-Dichloropropene	FB	Ave	9268	18514	46447	189799	387475	0.500	1.00	2.50	10.0	20.0
			844591	1250146	1671489			40.0	60.0	80.0		
4-Methyl-2-pentanone	FB	Ave	18027	36112	88969	377036	748704	1.00	2.00	5.00	20.0	40.0
			1625903	2362866	3136460			80.0	120	160		

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1 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 2152899	48630 3187300	118867 4227308	487933	993531	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	9266 806832	18461 1211369	44751 1617165	181190	365958	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Ethyl methacrylate	CBNZ d5	Ave	6655 746867	16356 1112771	38687 1497991	166306	338599	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,1,2-Trichloroethane	CBNZ d5	Ave	4287 464127	10262 679764	25339 914203	105995	209486	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Tetrachloroethene	CBNZ d5	Ave	6931 643199	13727 958711	34999 1264325	141323	296702	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,3-Dichloropropane	CBNZ d5	Ave	7929 790169	17129 1165628	43337 1558621	178685	354517	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
2-Hexanone	CBNZ d5	Ave	14302 1225521	30746 1806488	68781 2334847	292281	563737	1.00 80.0	2.00 120	5.00 160	20.0	40.0
Dibromochloromethane	CBNZ d5	Ave	5521 585998	12476 874165	30106 1173381	128205	262505	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,2-Dibromoethane	CBNZ d5	Ave	5854 526430	12002 780237	28649 1033720	122569	241775	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Chlorobenzene	CBNZ d5	Ave	15021 1409871	32027 2081943	77664 2774456	316355	645666	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	5770 561579	12069 842483	29554 1131494	123525	254071	0.500 40.0	1.00 60.0	2.50 80.0	10.0	20.0
Ethylbenzene	CBNZ d5	Ave	7687 785169	17140 1157399	41274 1552177	173336	354567	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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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			

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

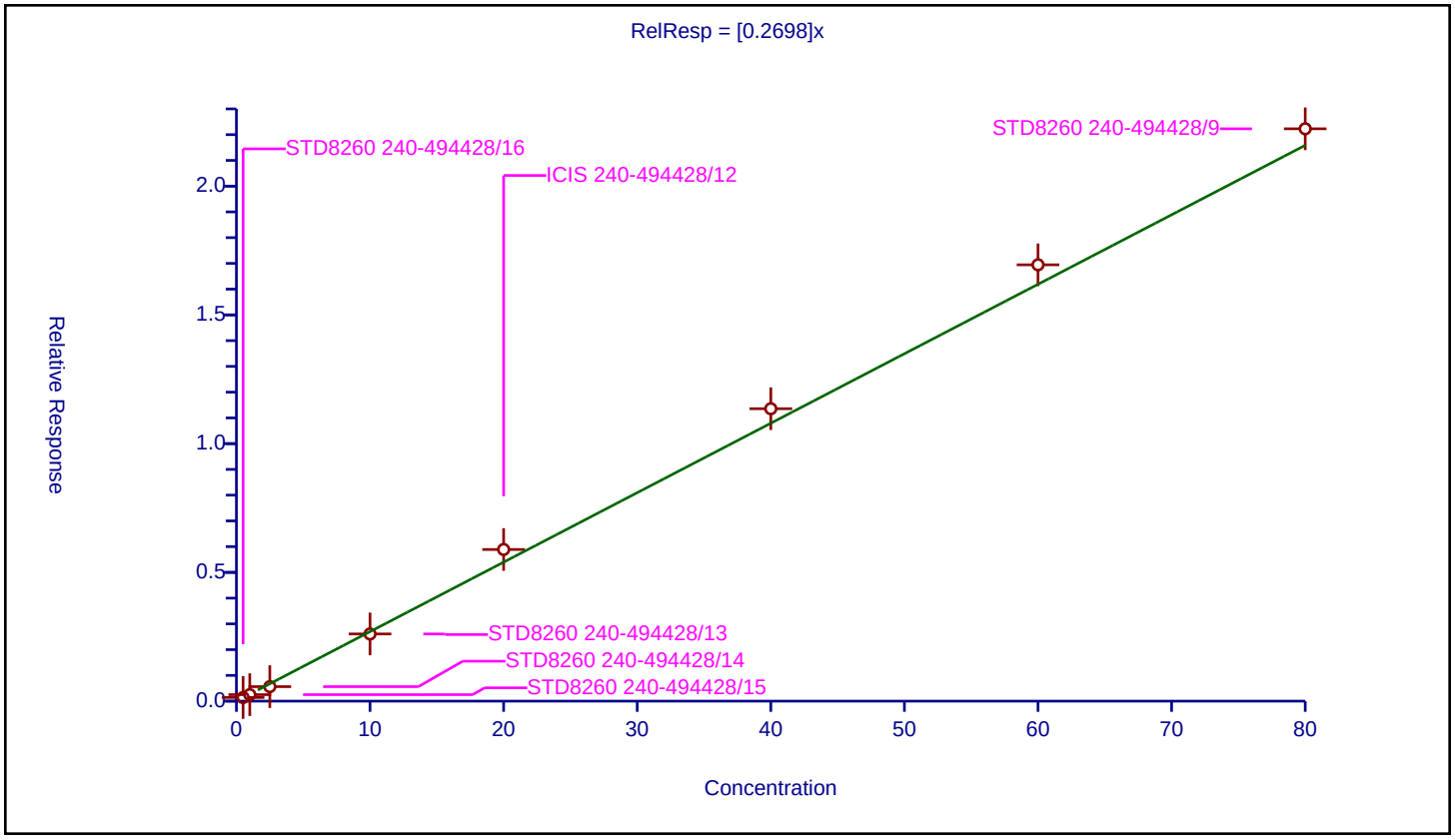
Curve Coefficients

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

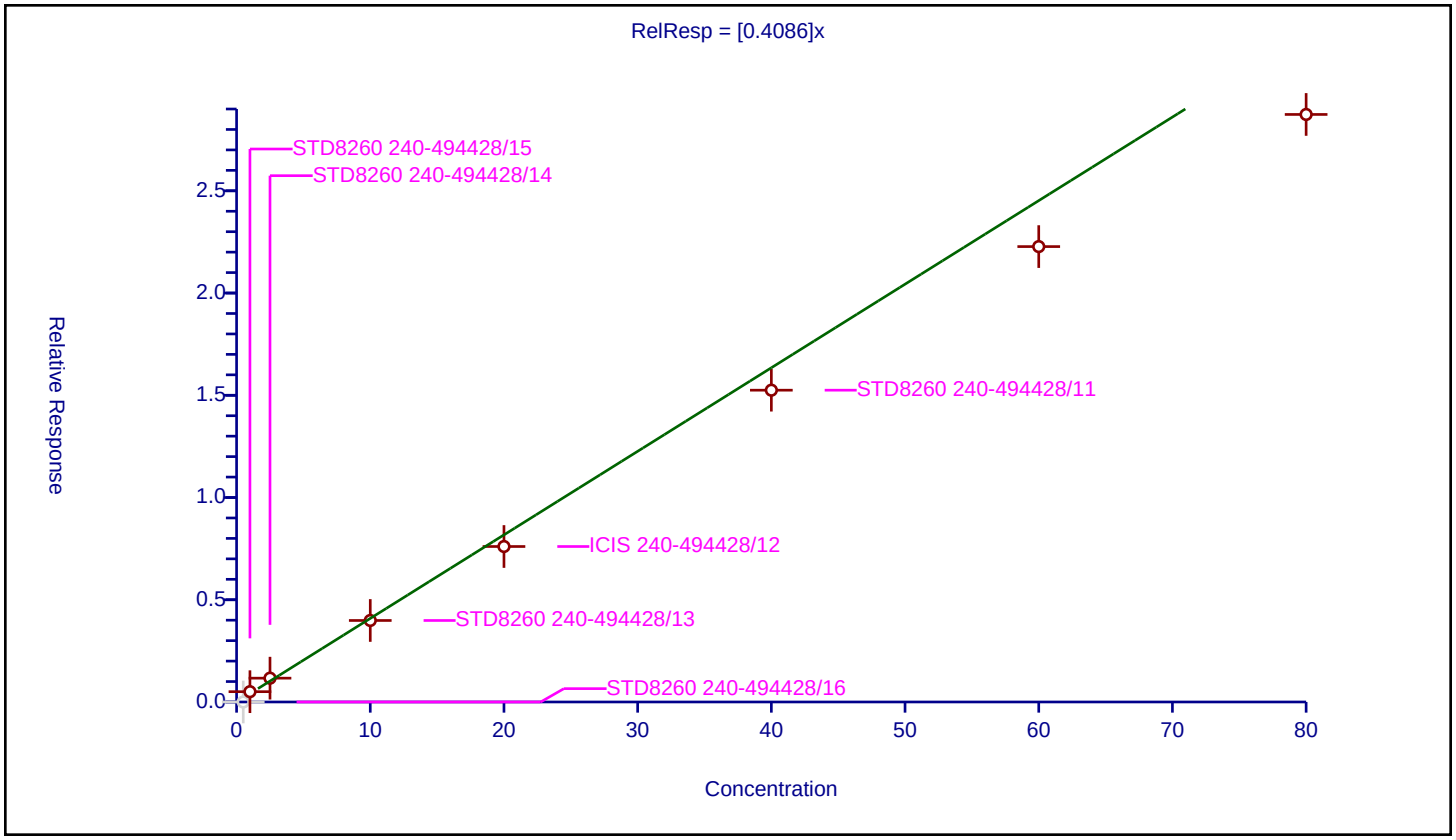
Curve Coefficients

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

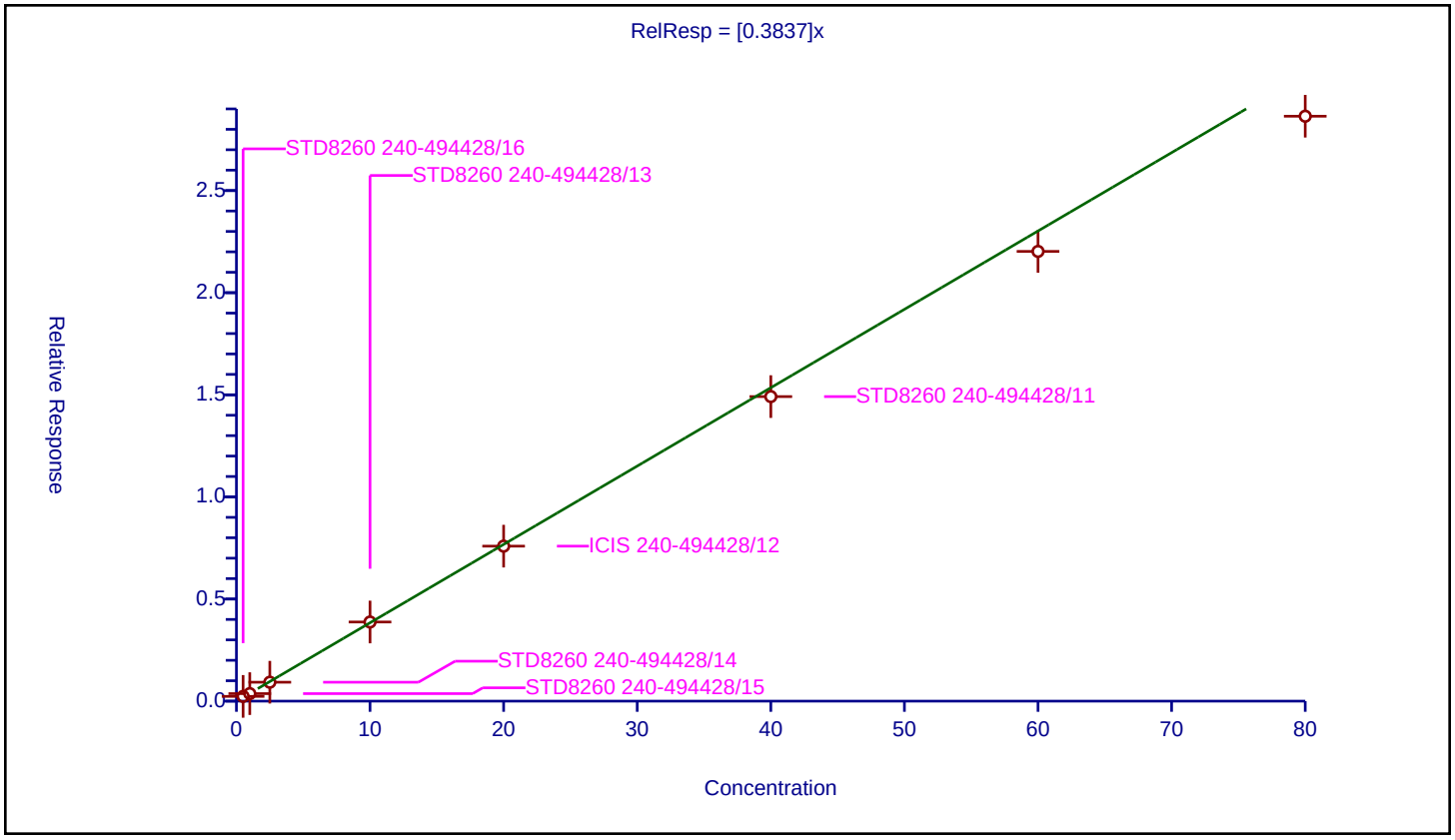
Curve Coefficients

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

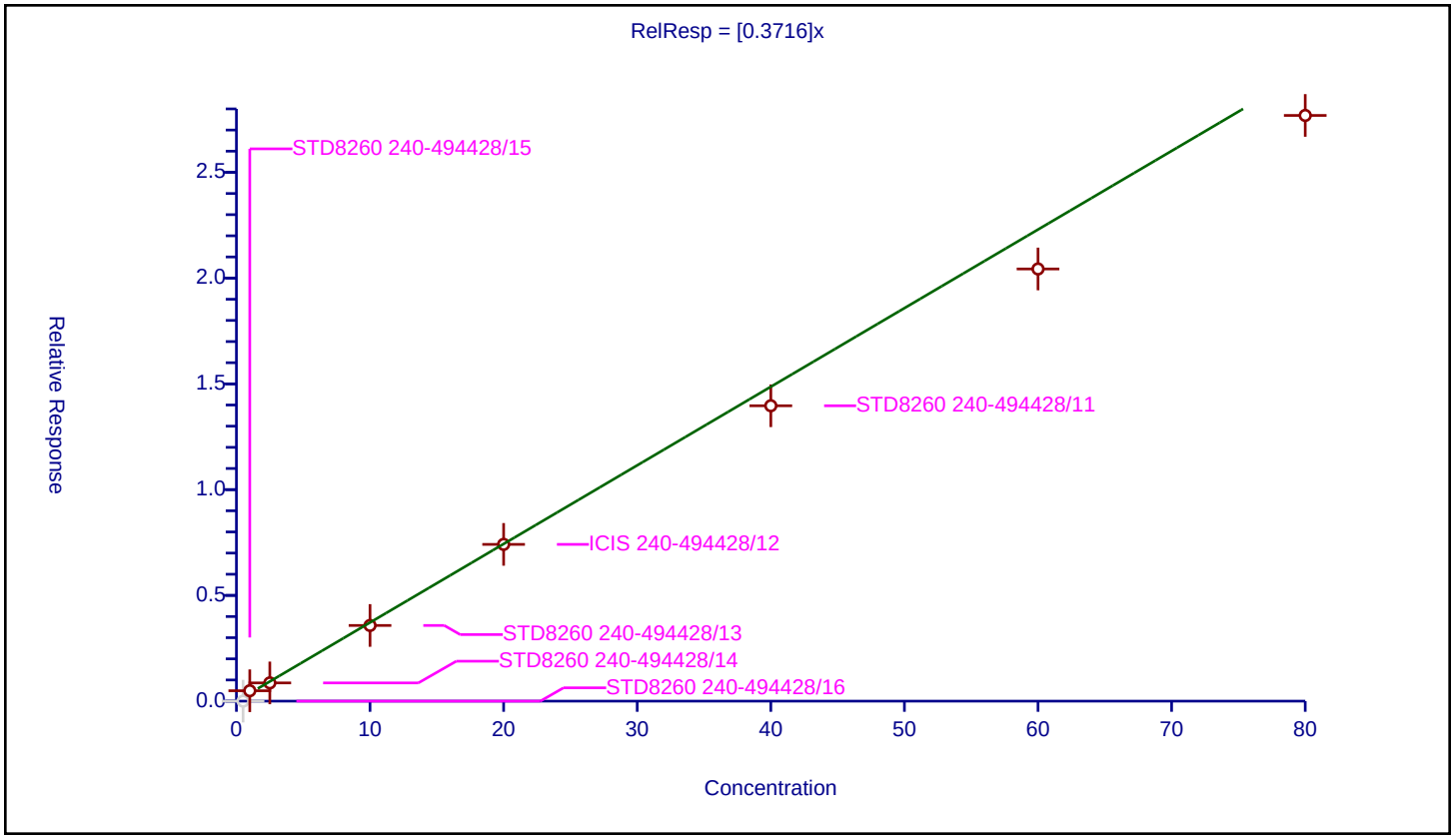
Curve Coefficients

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

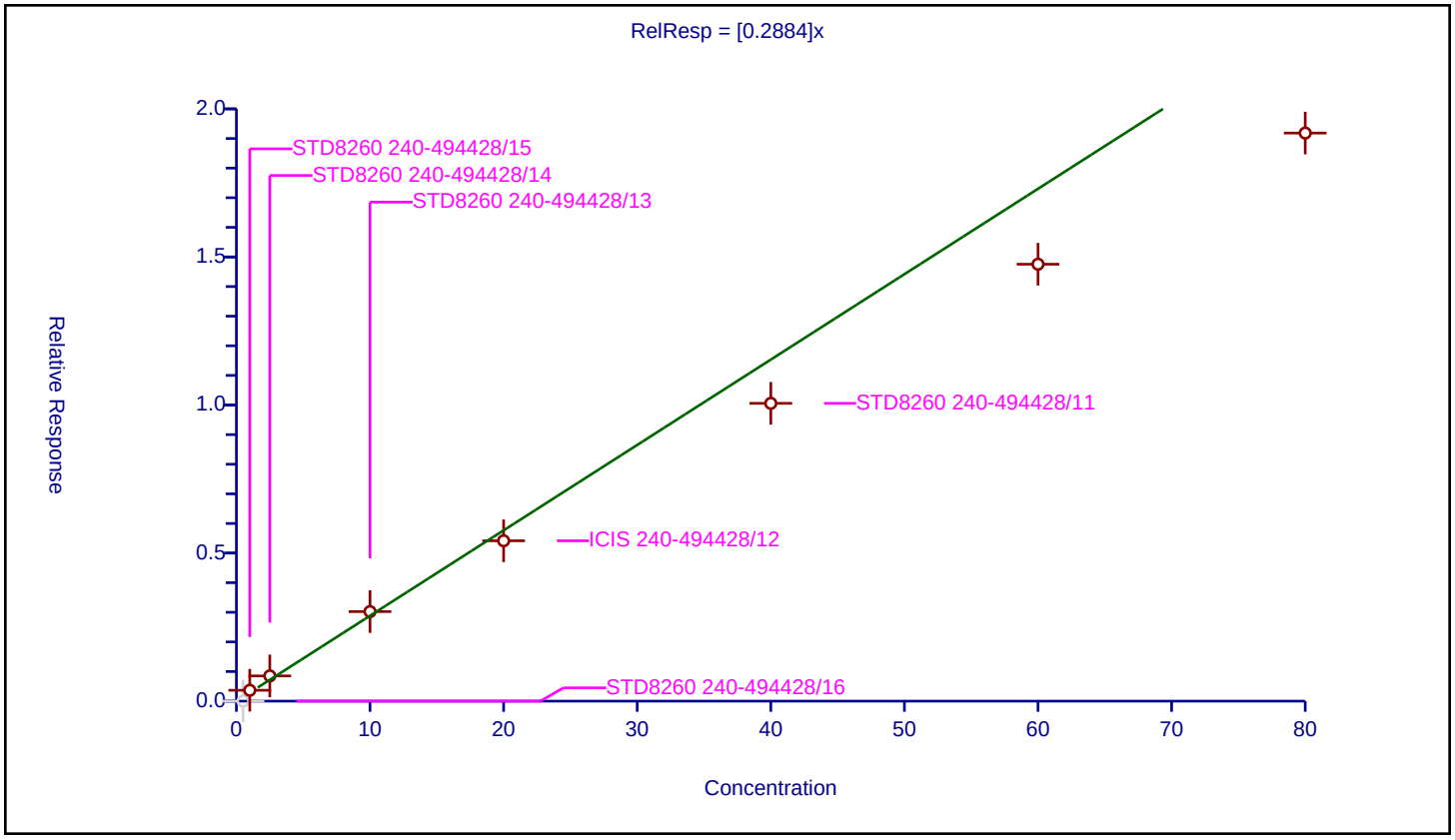
Curve Coefficients

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

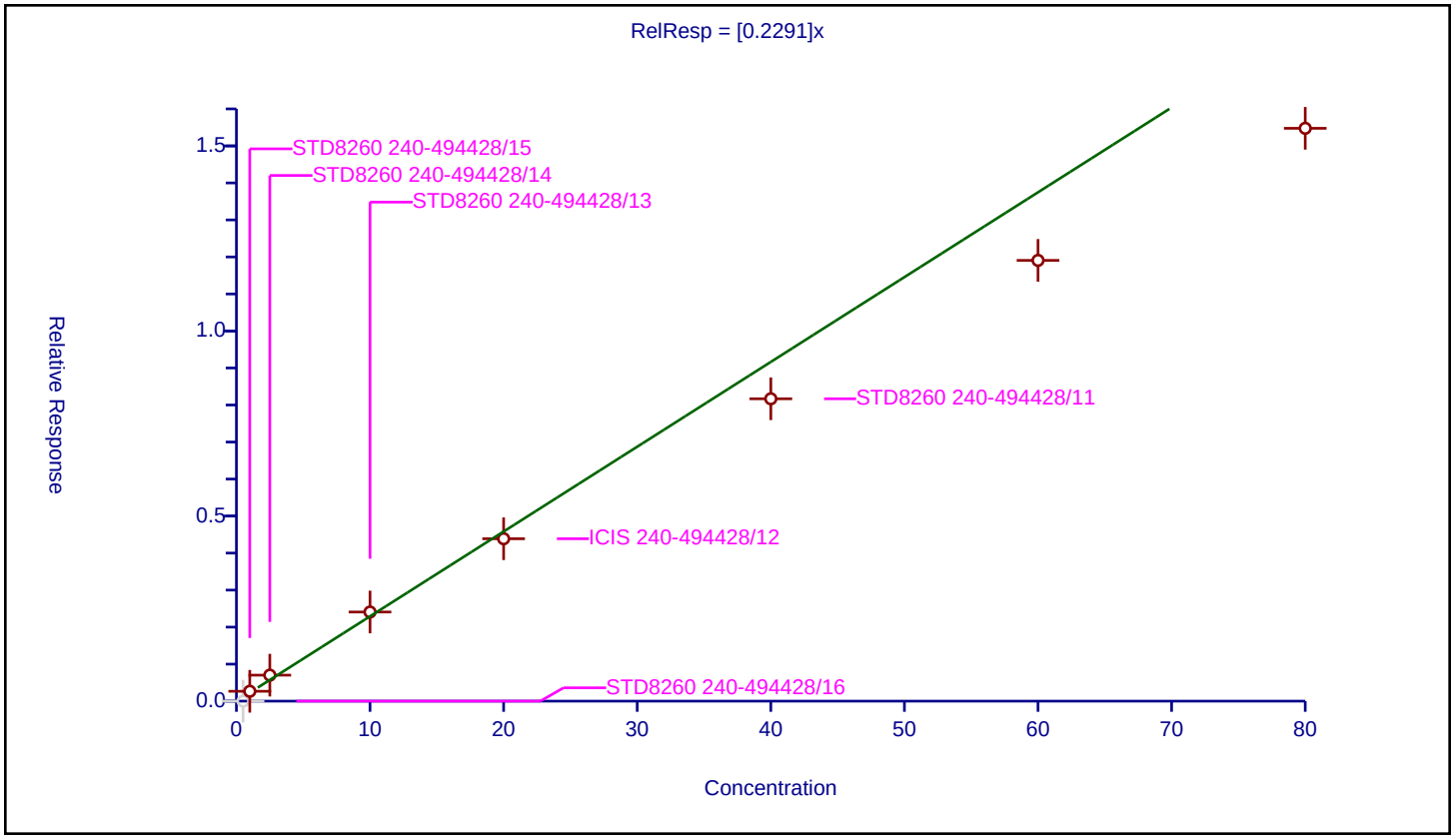
Curve Coefficients

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

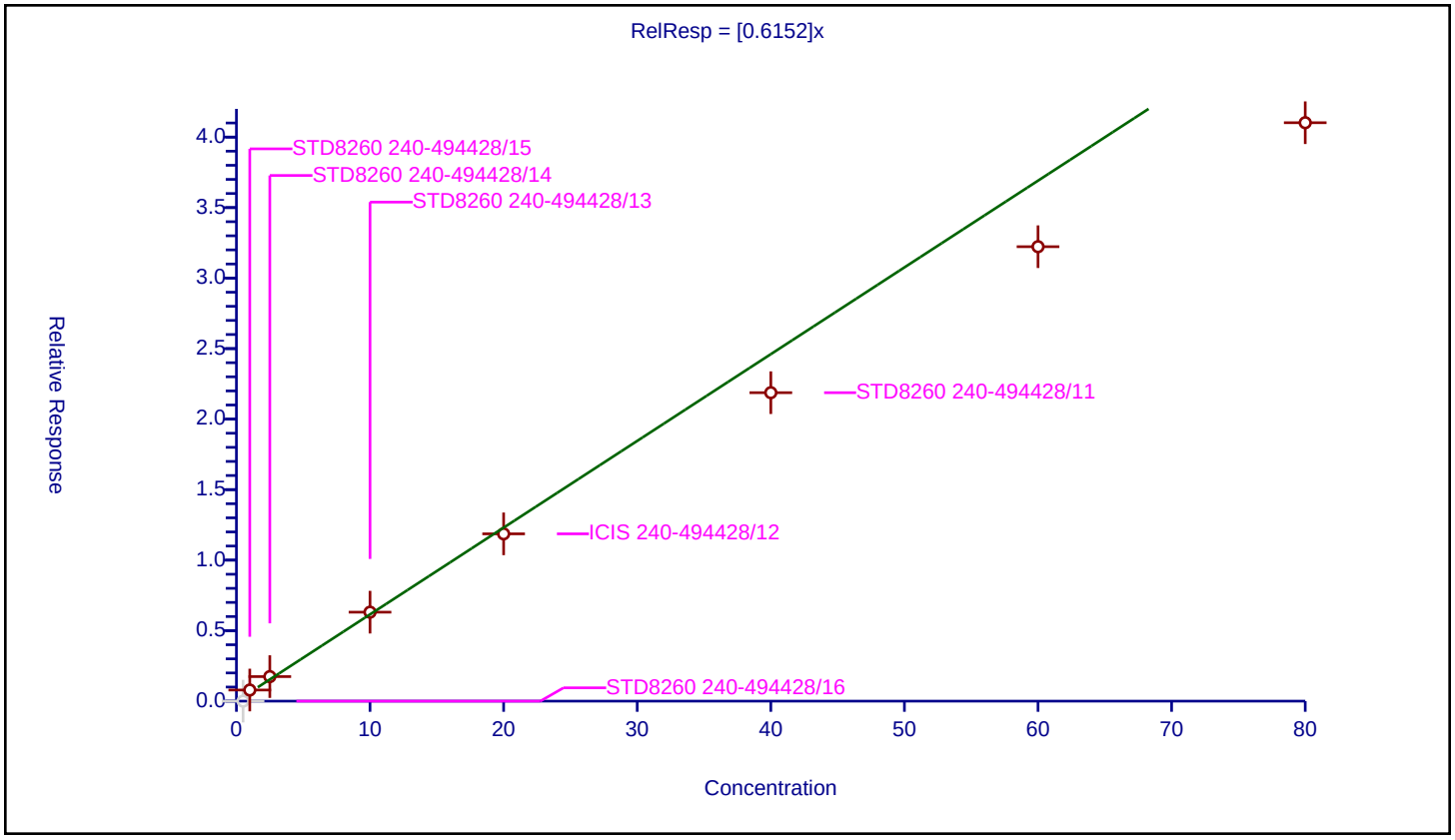
Curve Coefficients

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

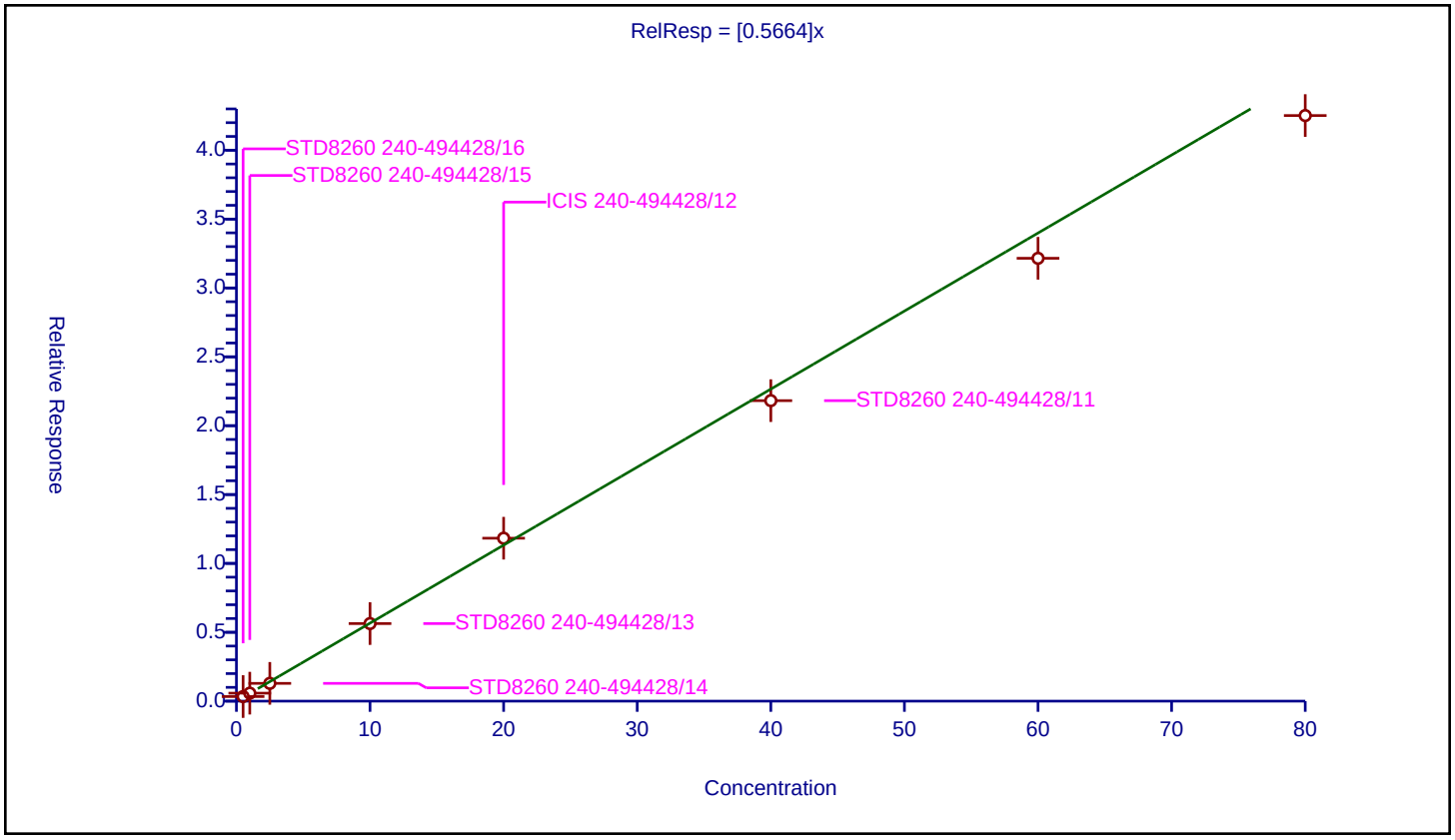
Curve Coefficients

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

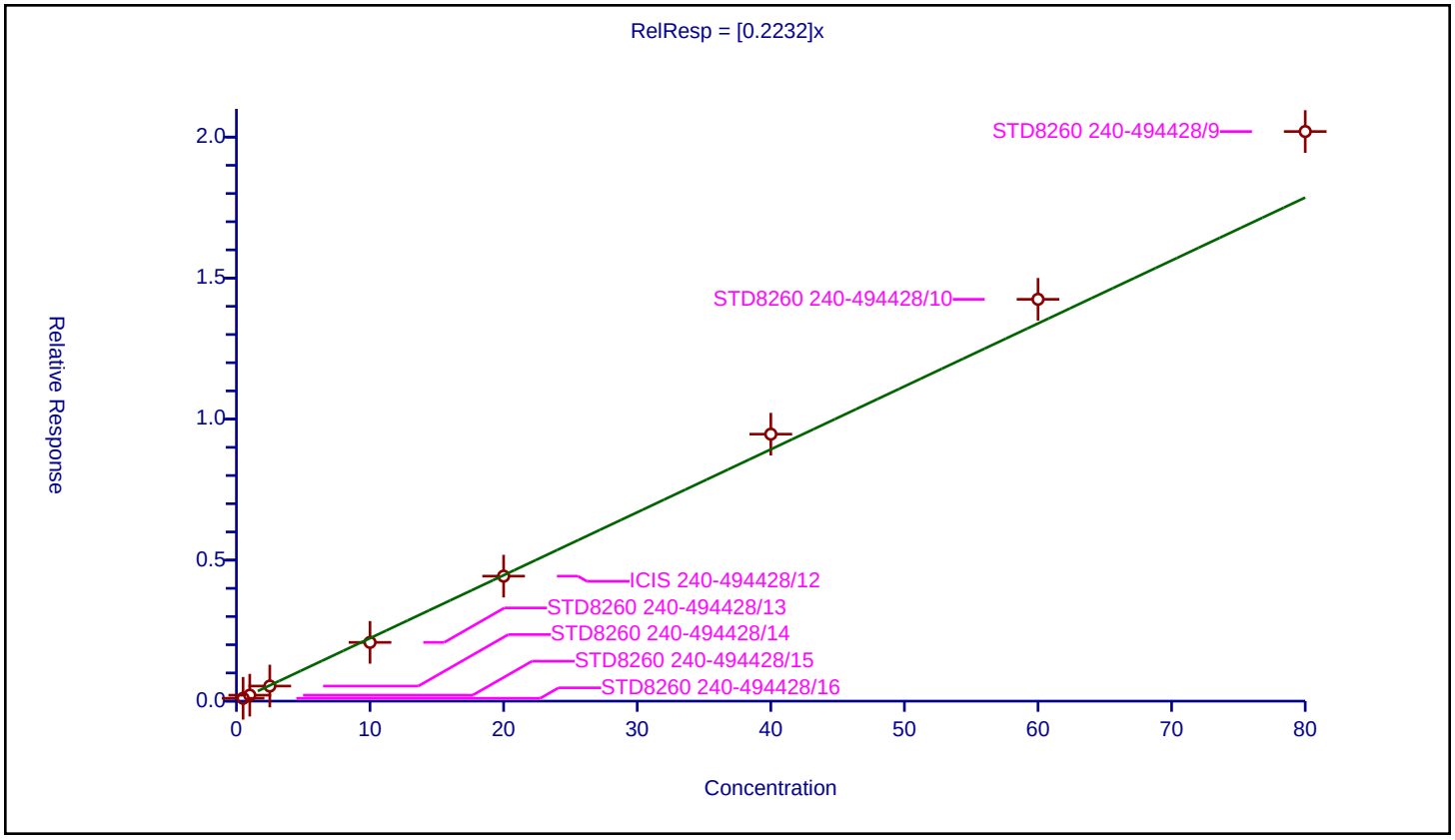
Curve Coefficients

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



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

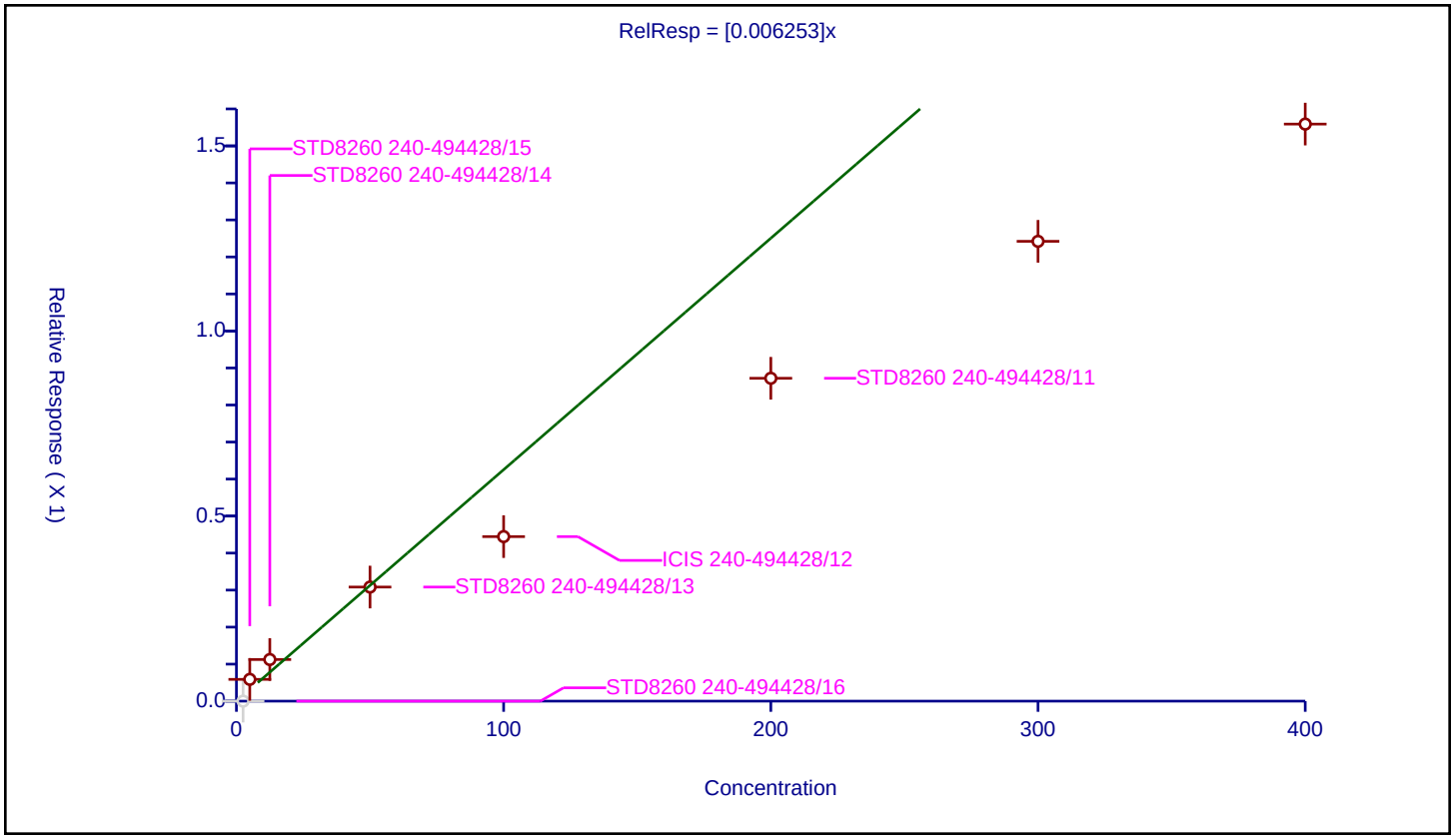
Curve Coefficients

Intercept:	0
Slope:	0.006253

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

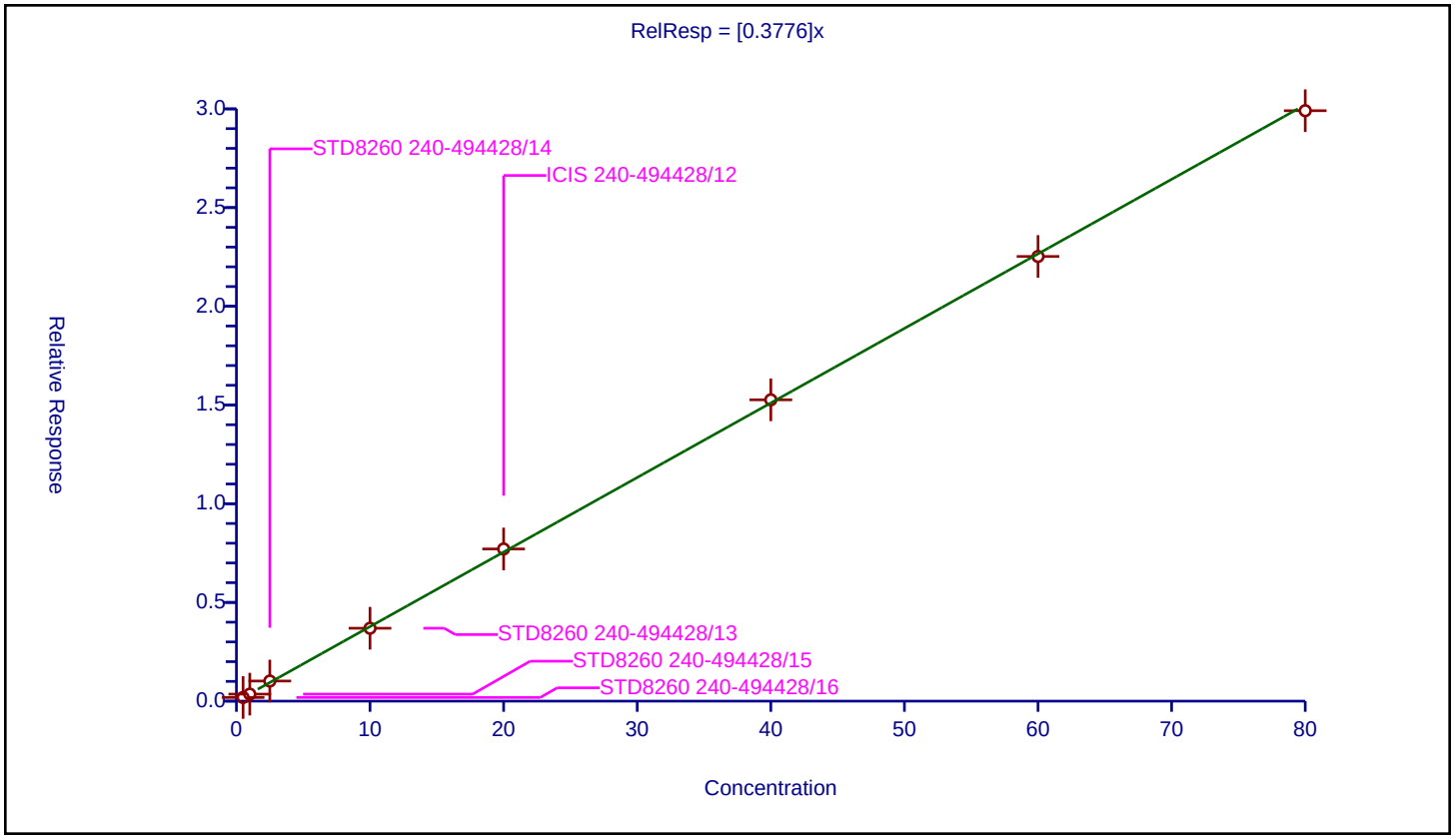
Curve Coefficients

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

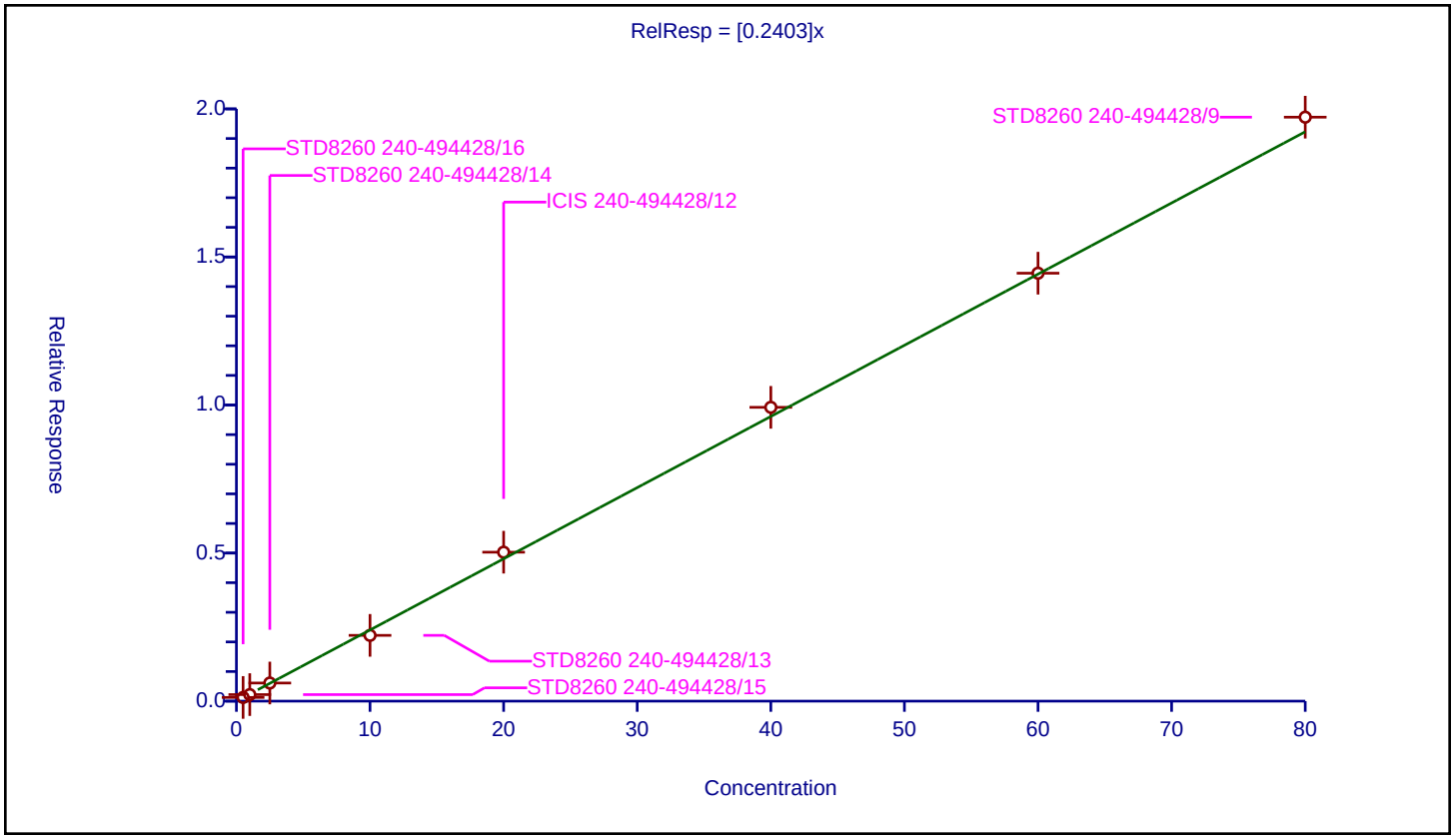
Curve Coefficients

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

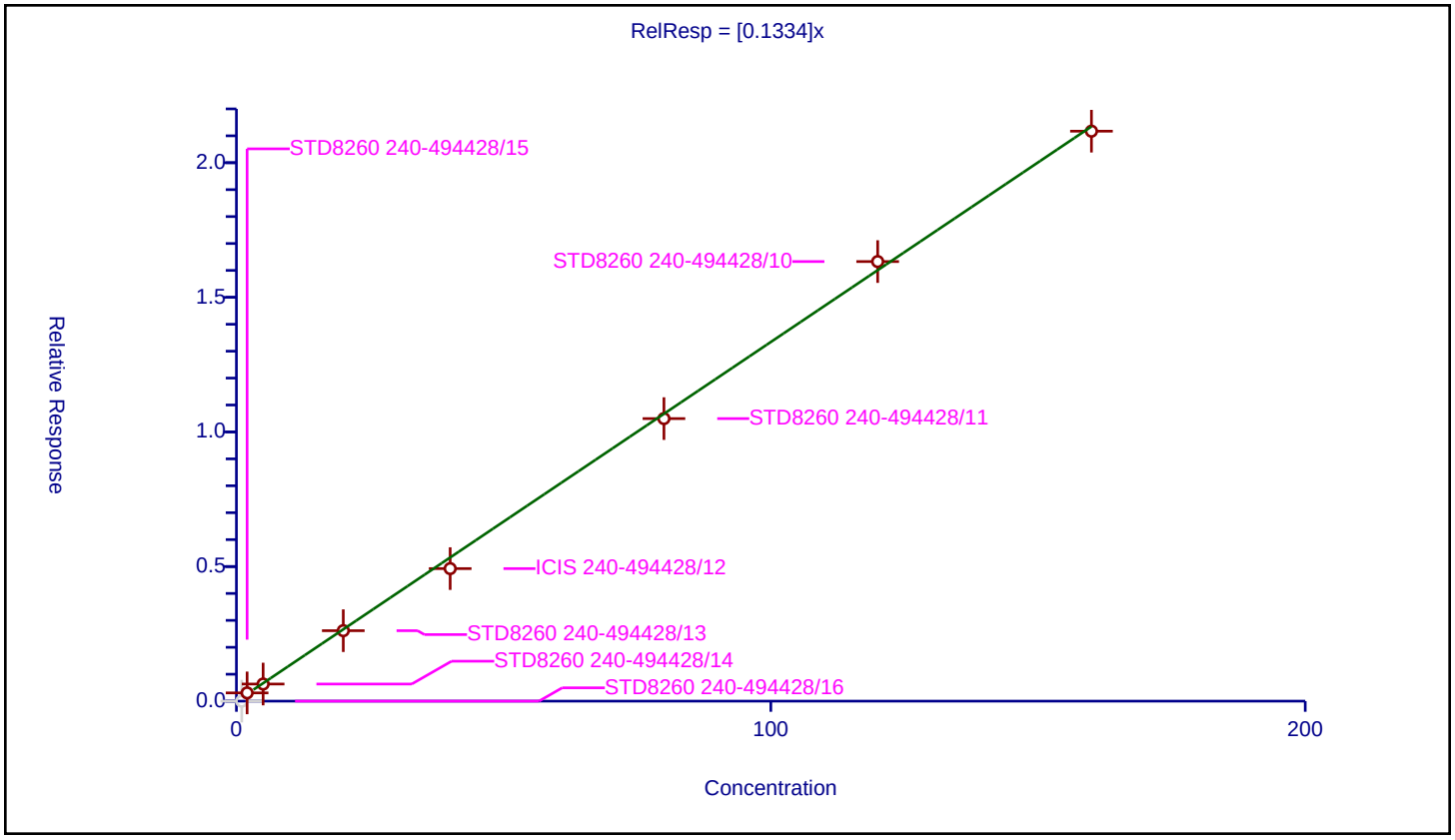
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

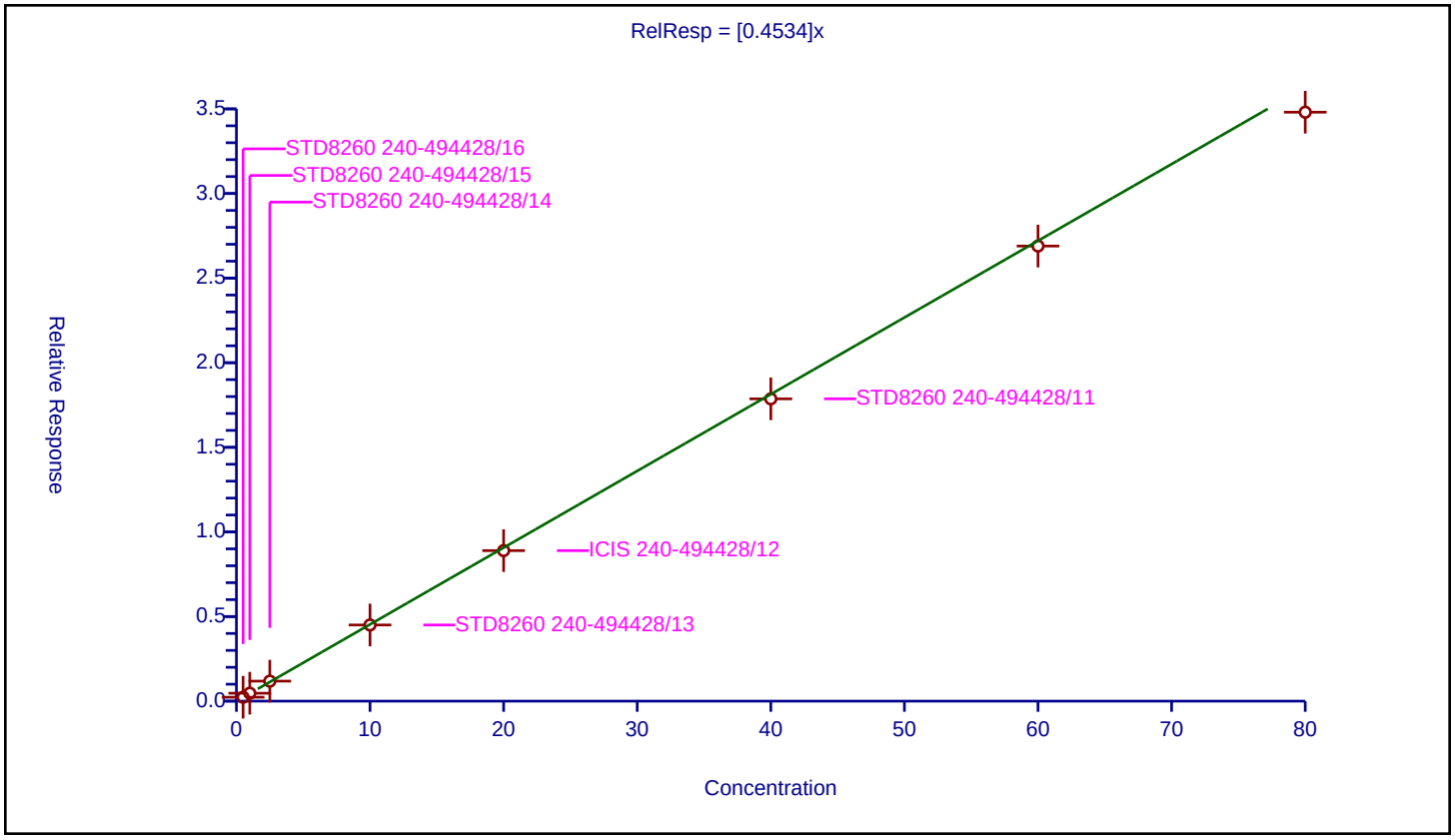
Curve Coefficients

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

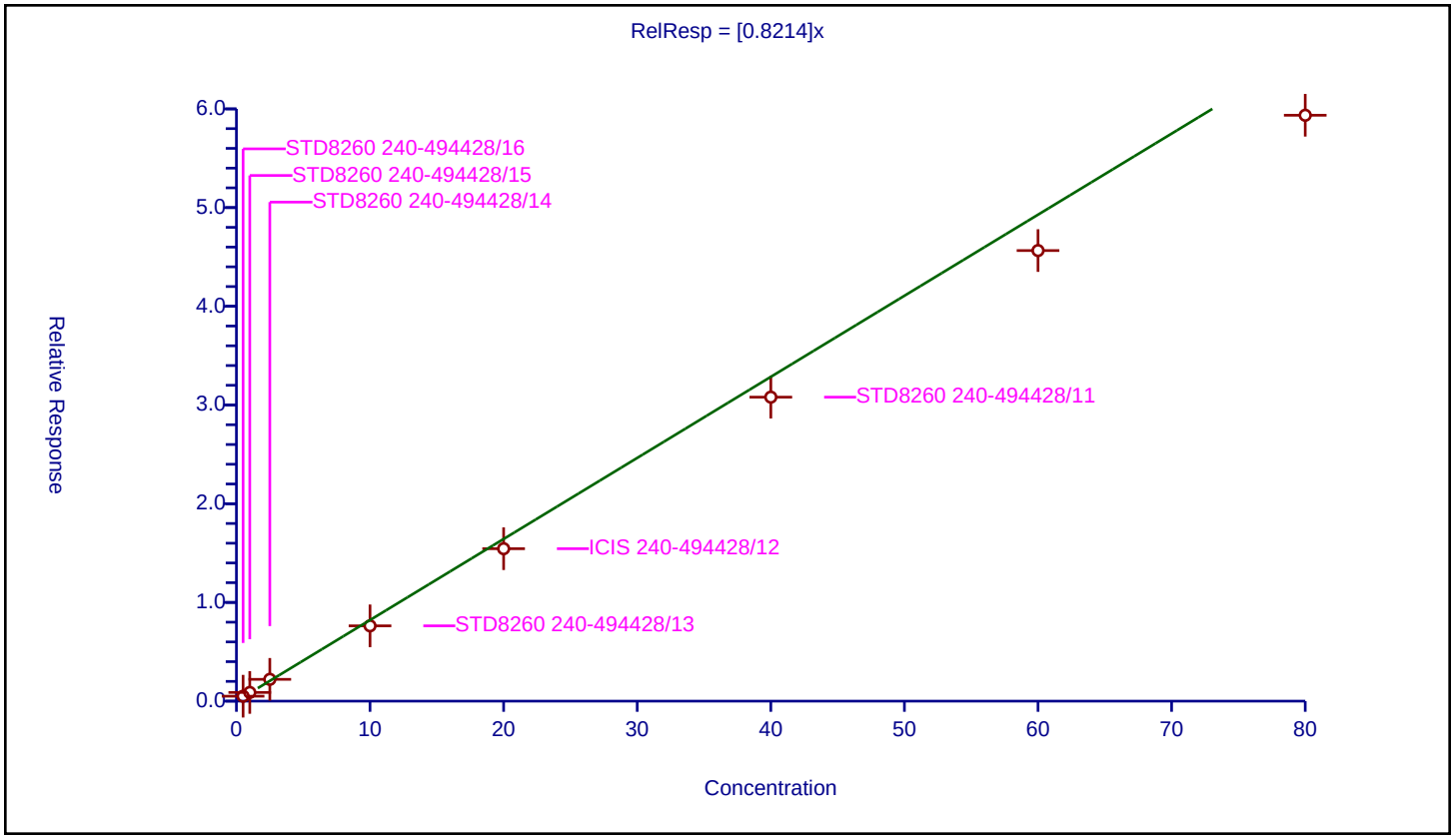
Curve Coefficients

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

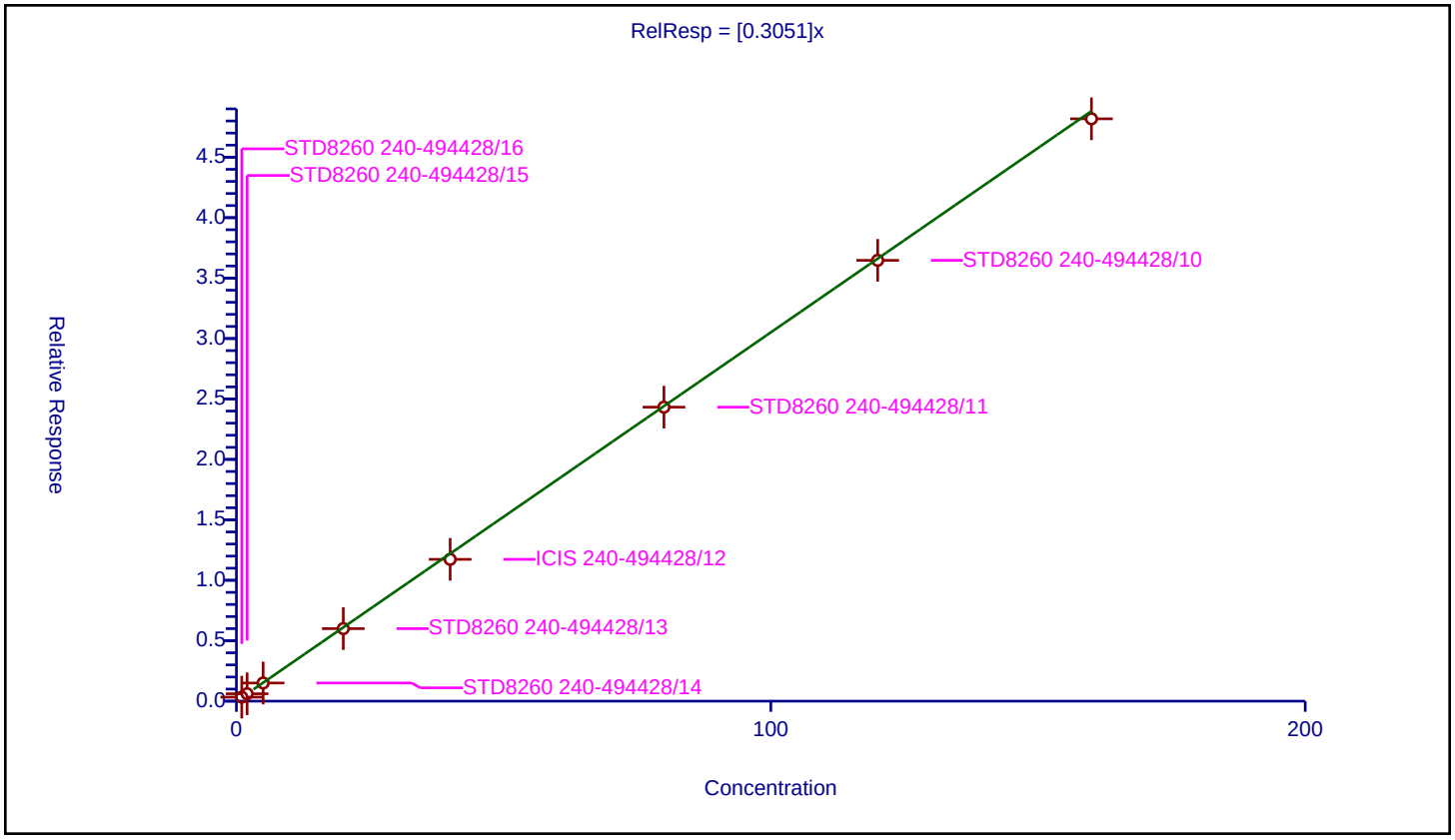
Curve Coefficients

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

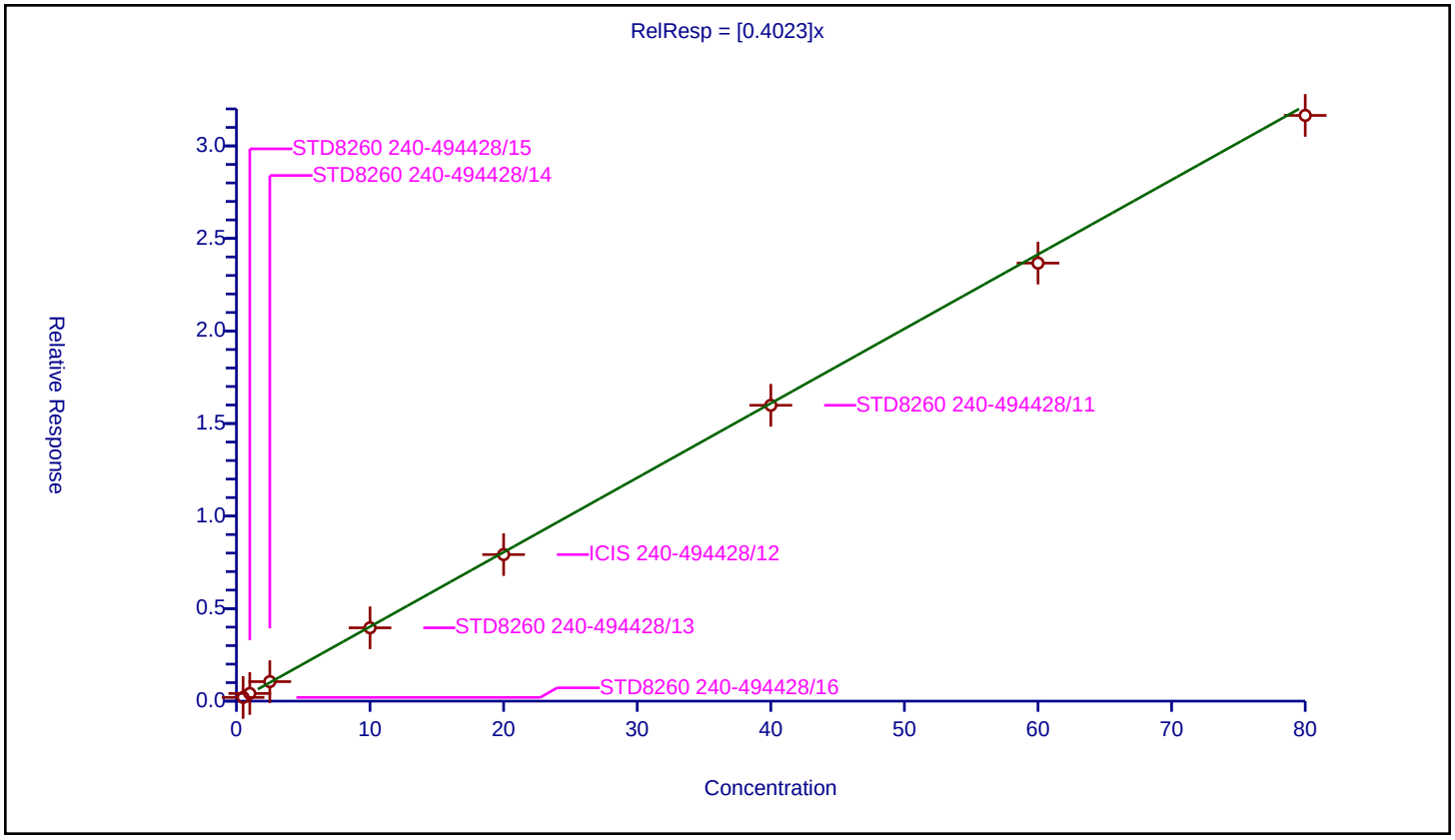
Curve Coefficients

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

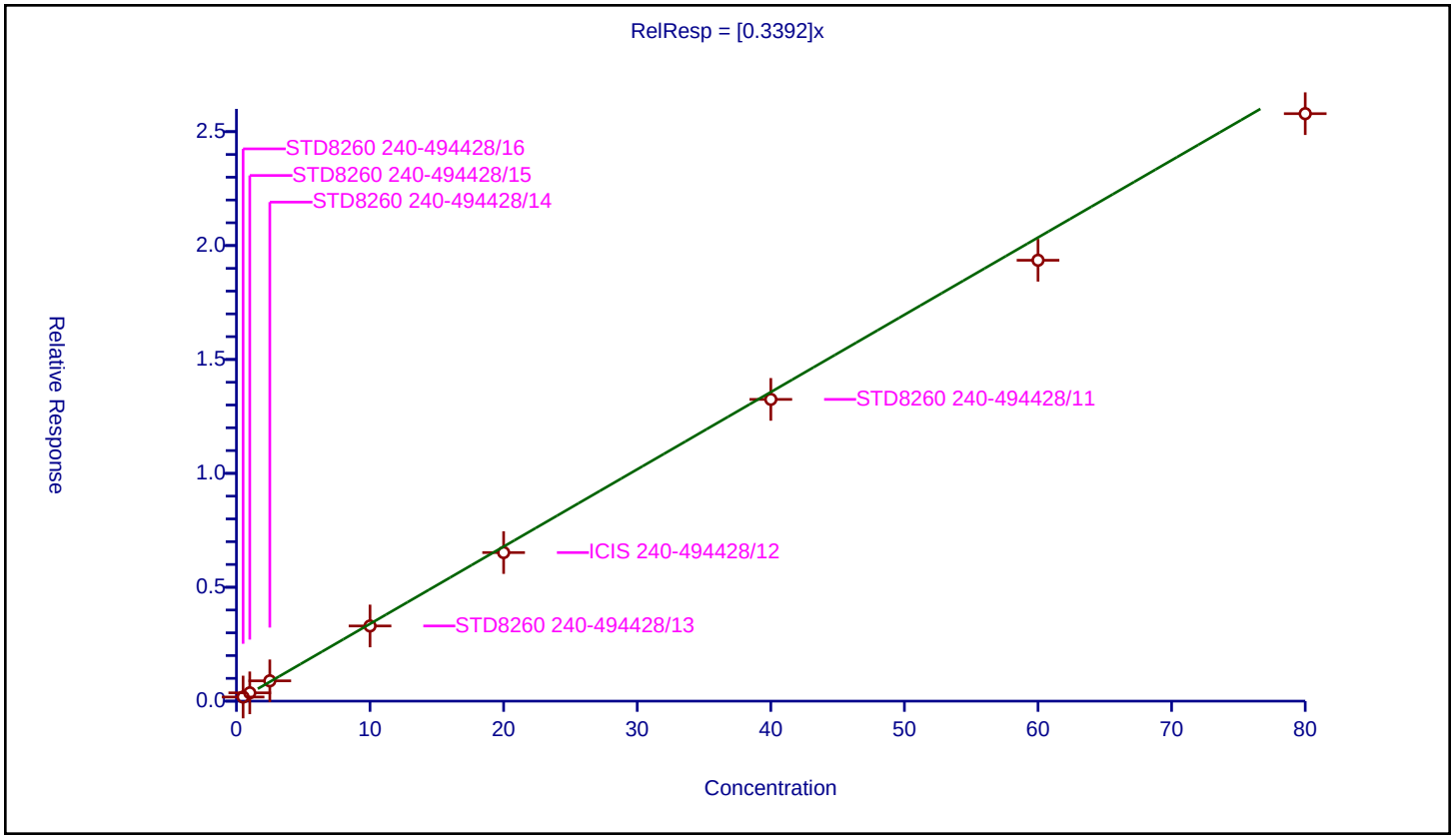
Curve Coefficients

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

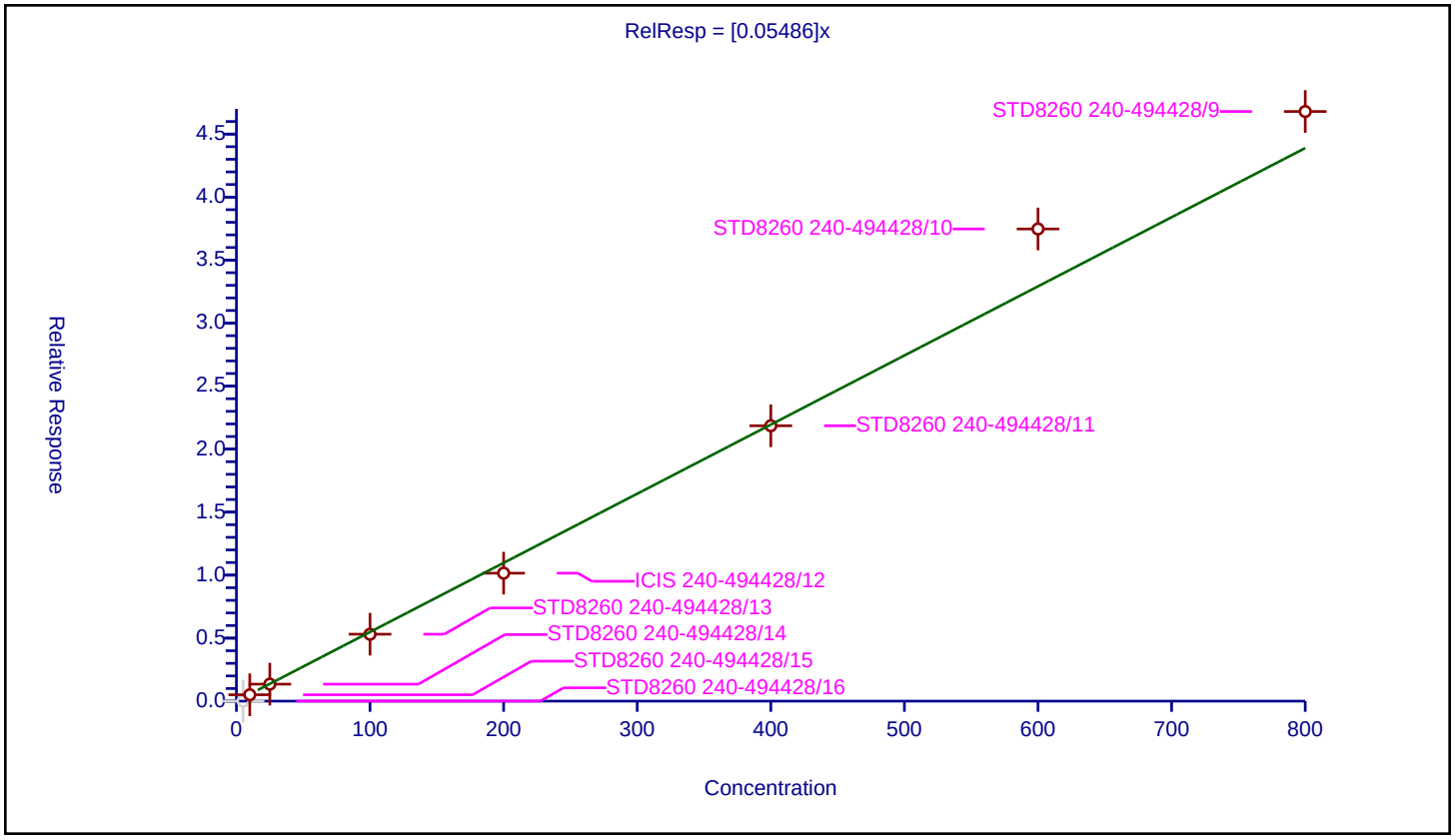
Curve Coefficients

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



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

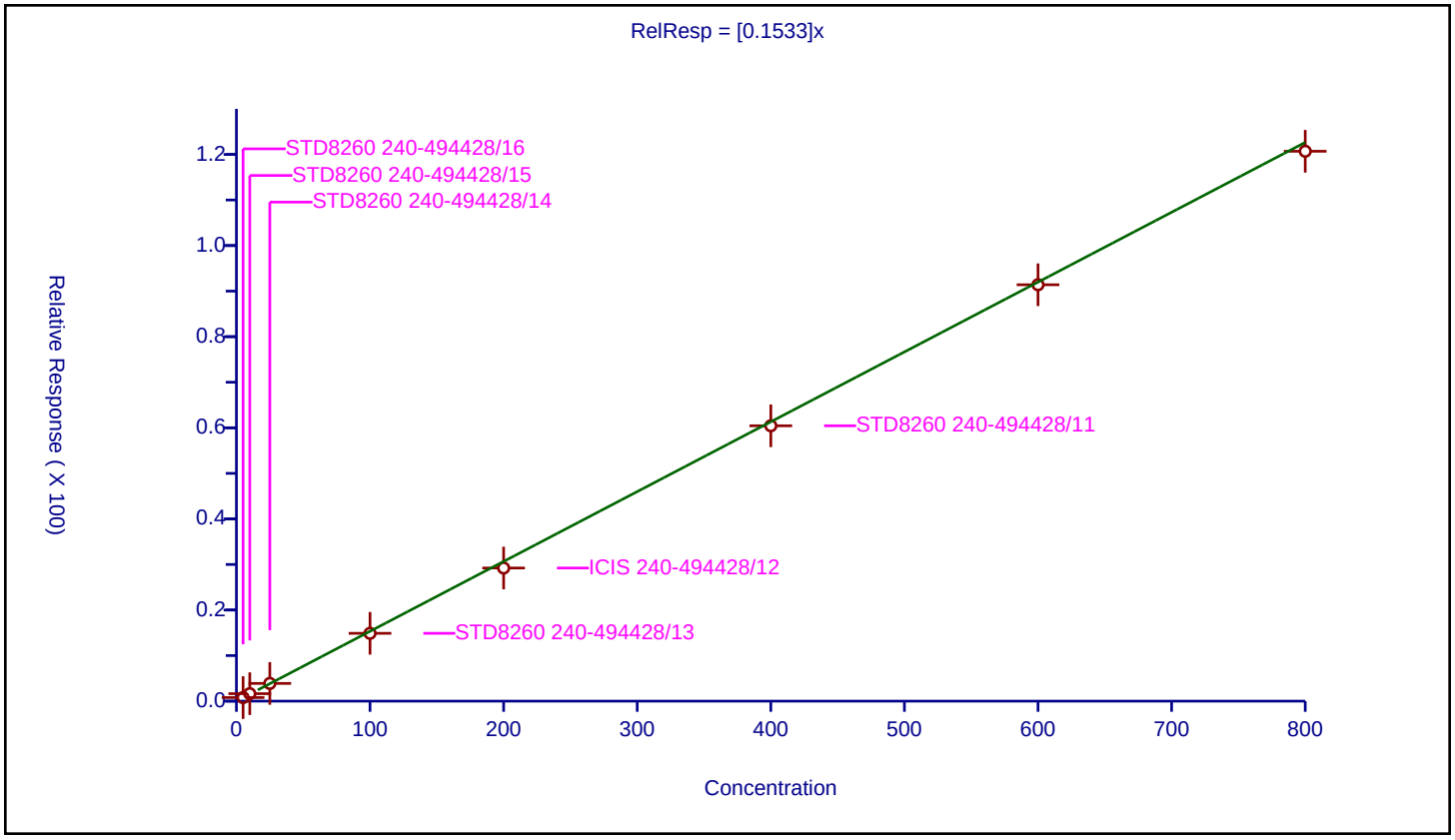
Curve Coefficients

Intercept:	0
Slope:	0.1533

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

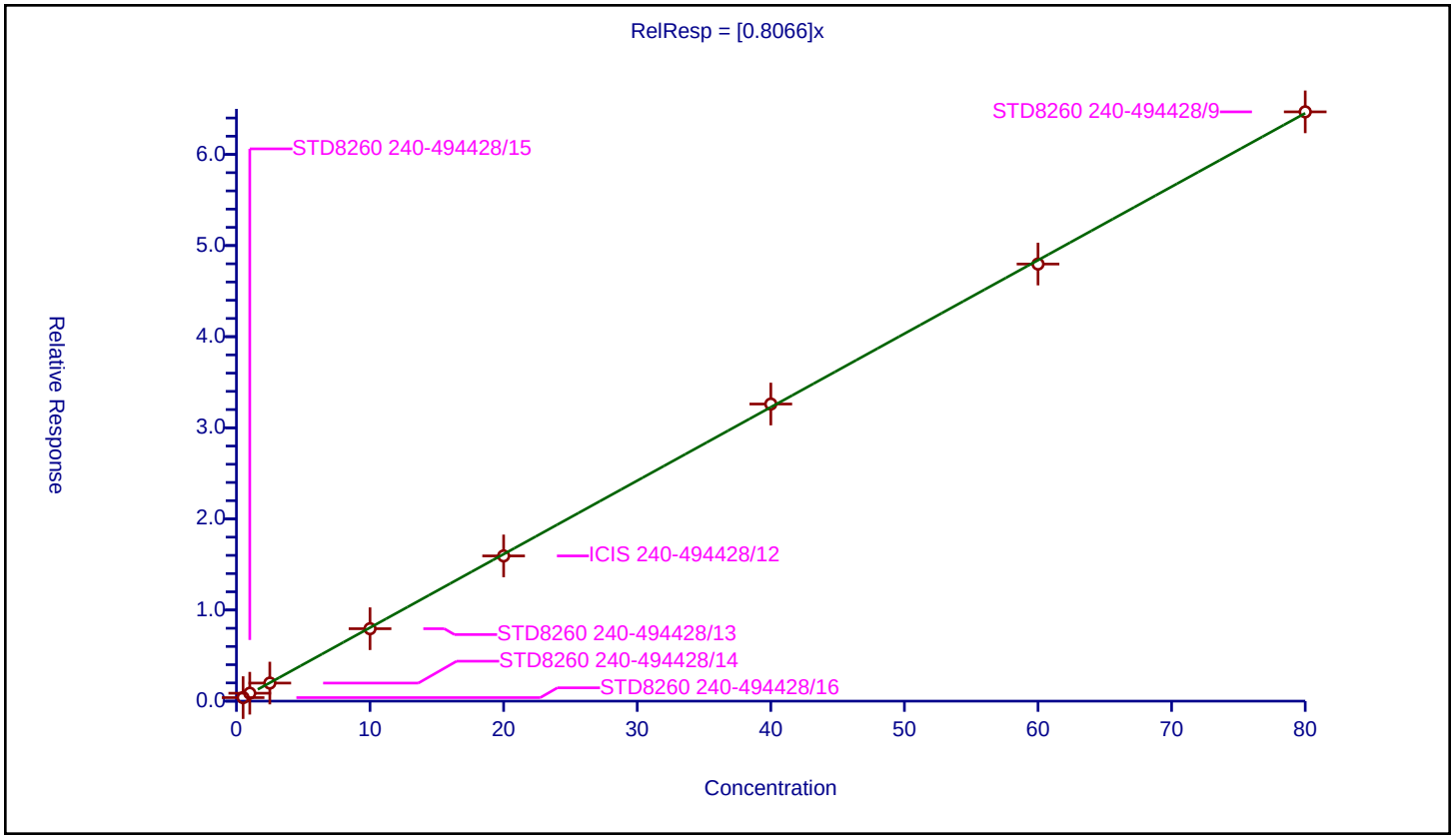
Curve Coefficients

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

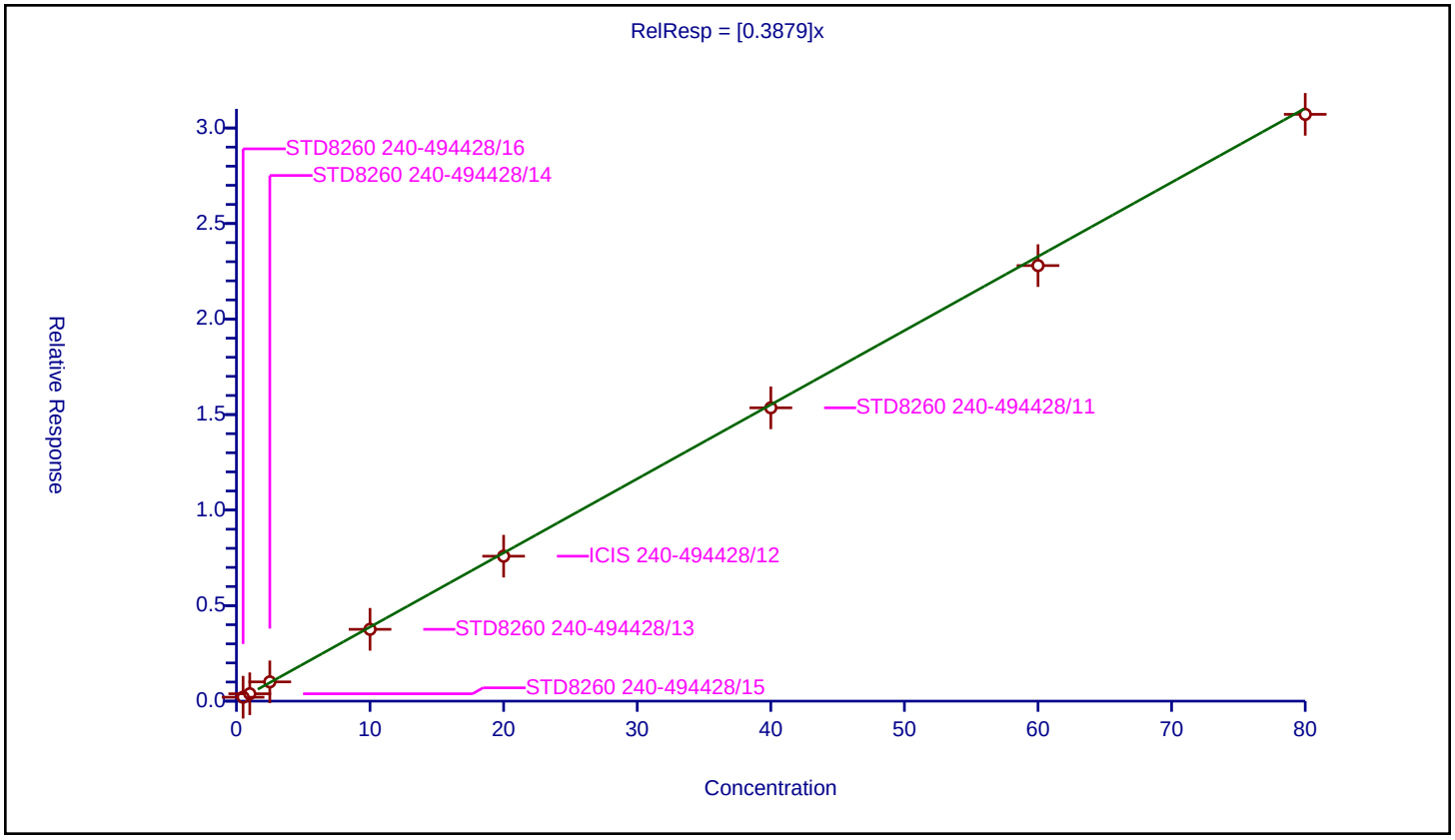
Curve Coefficients

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

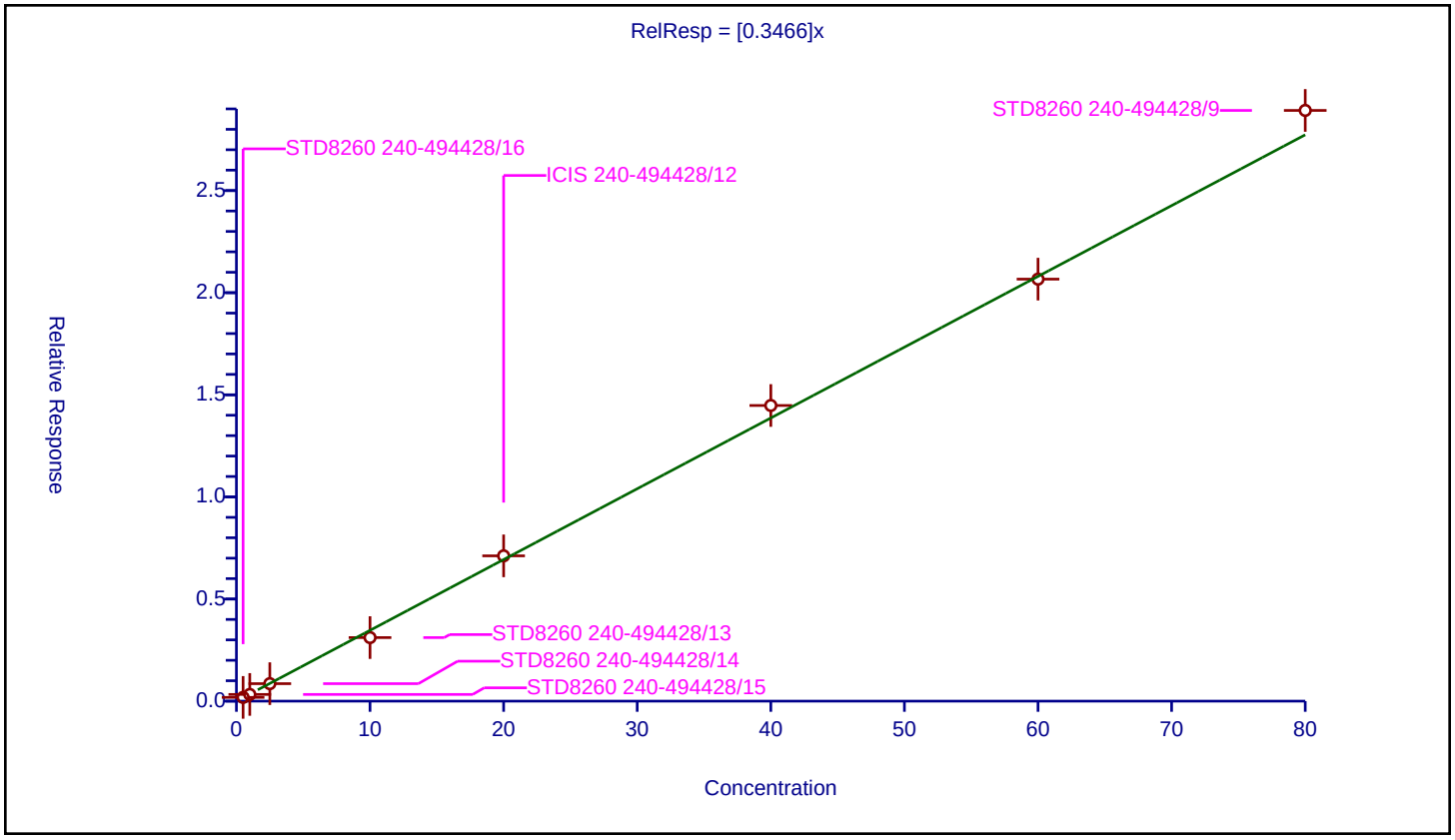
Curve Coefficients

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

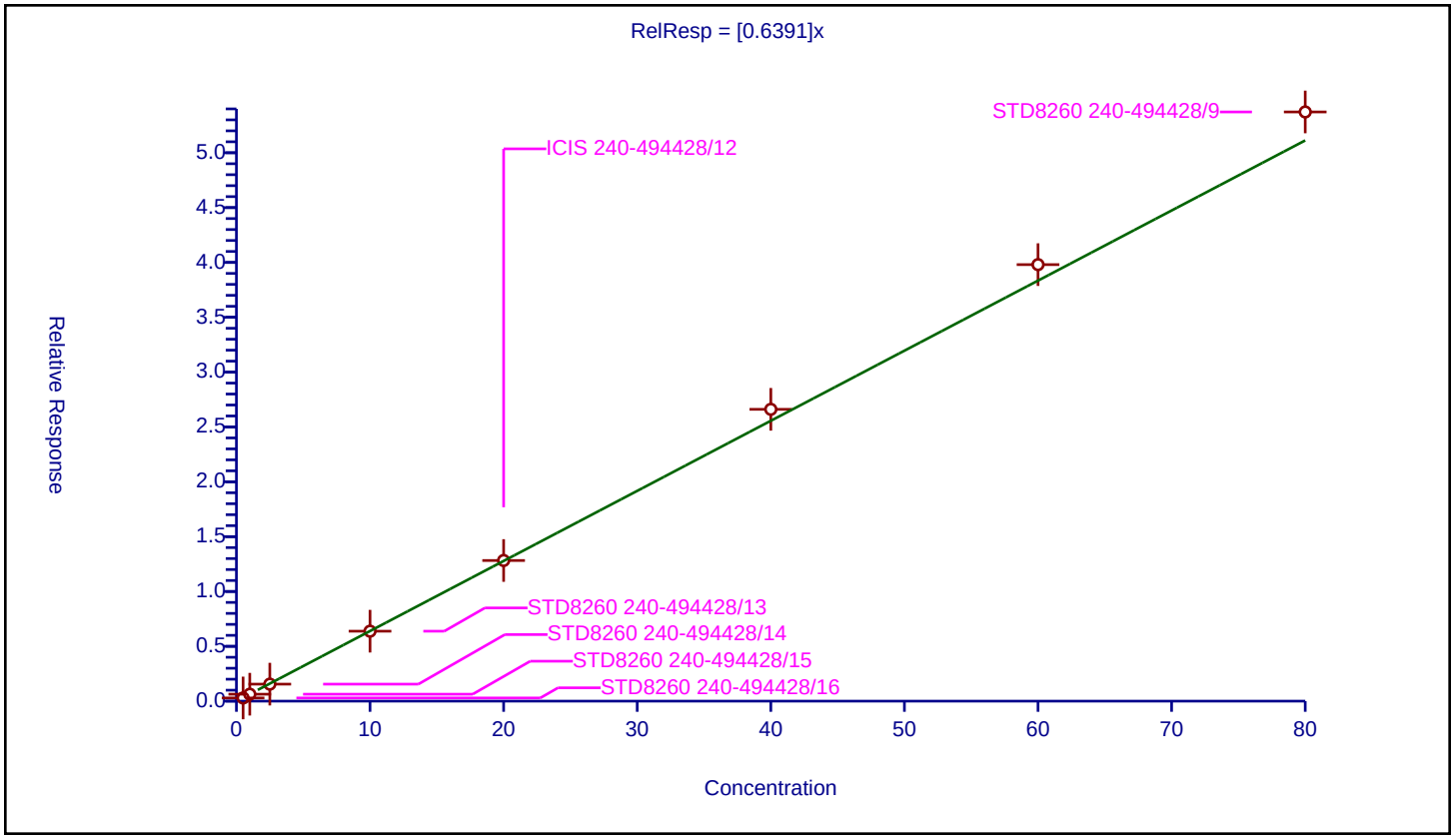
Curve Coefficients

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

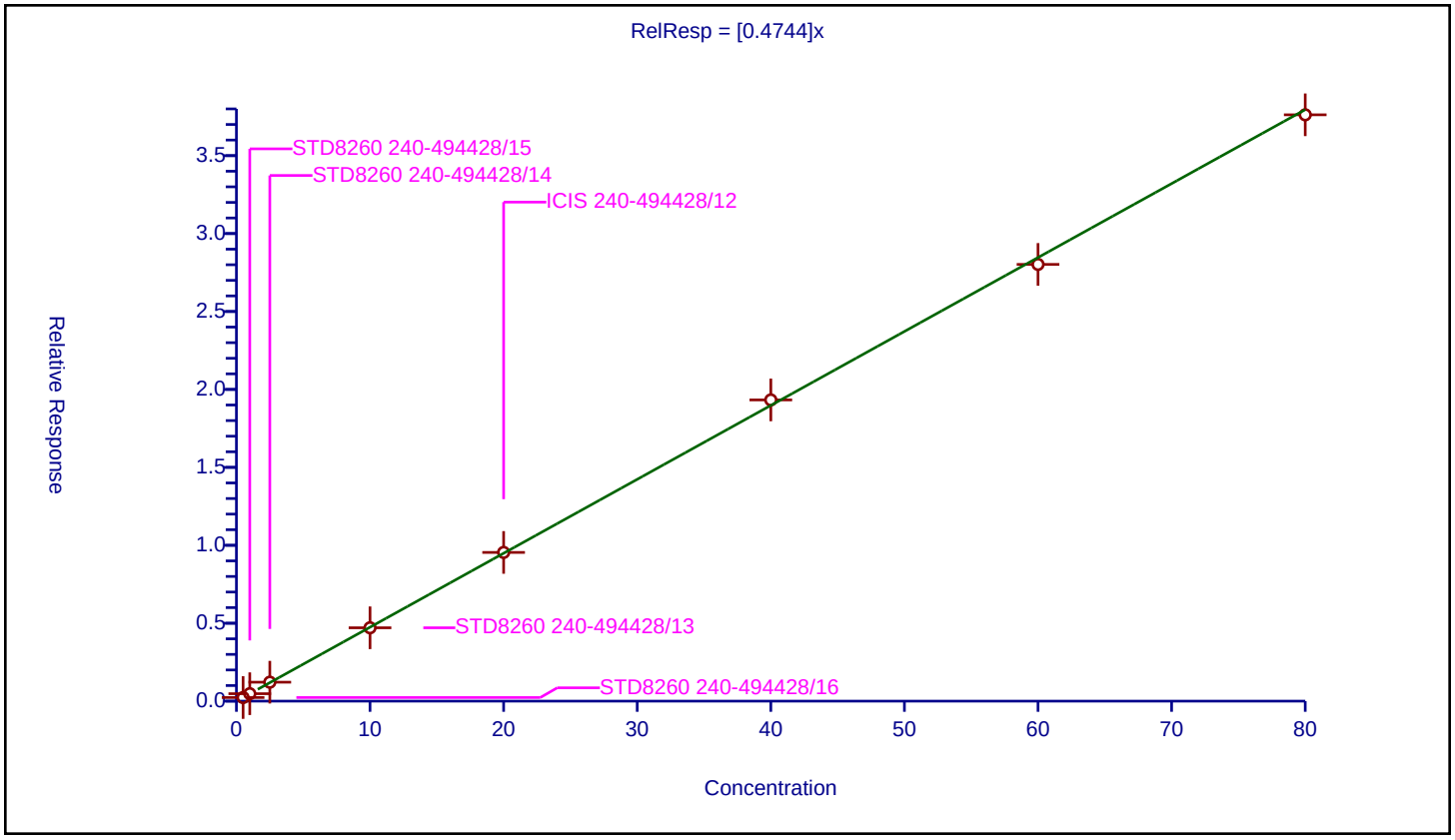
Curve Coefficients

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

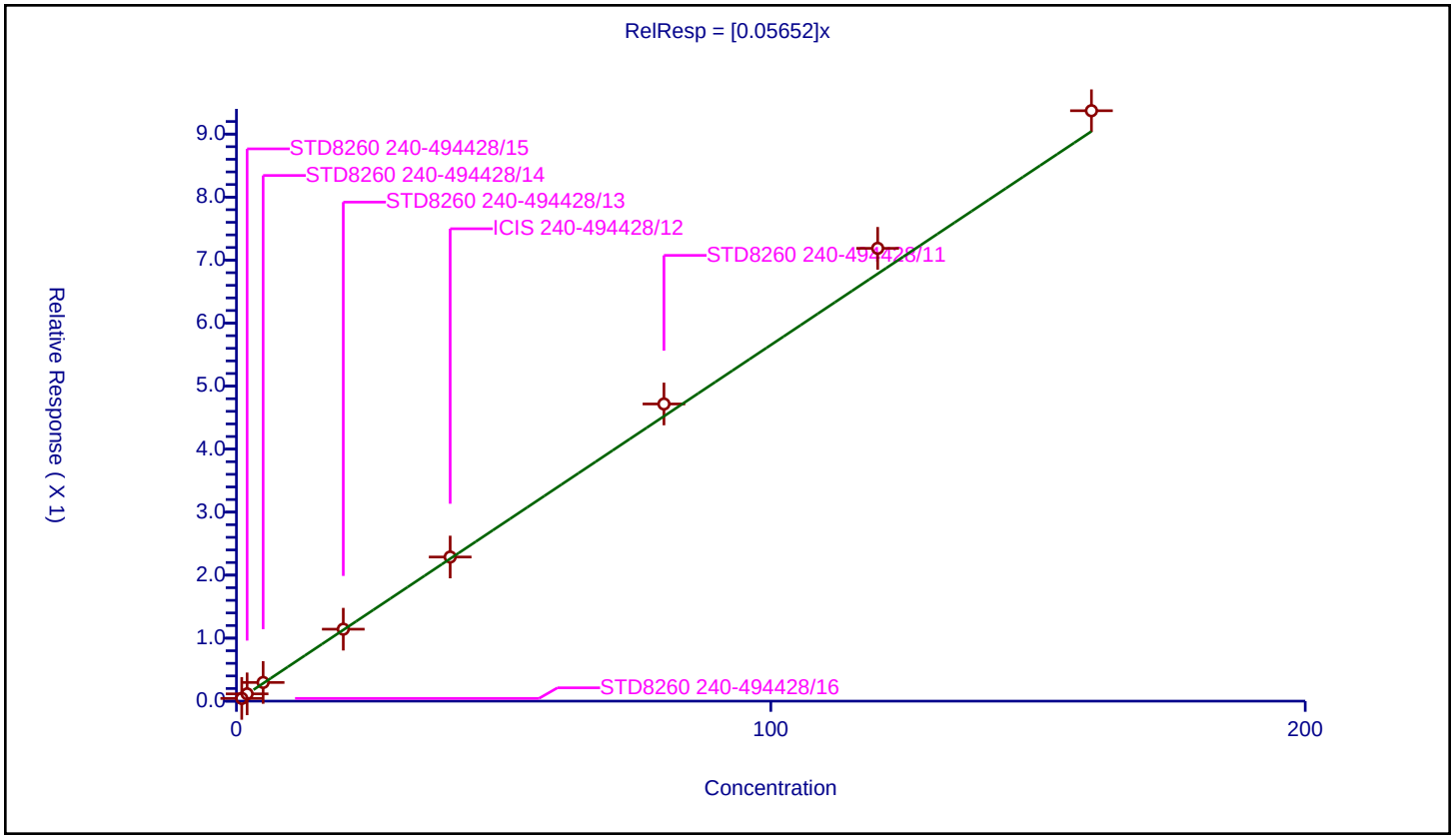
Curve Coefficients

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

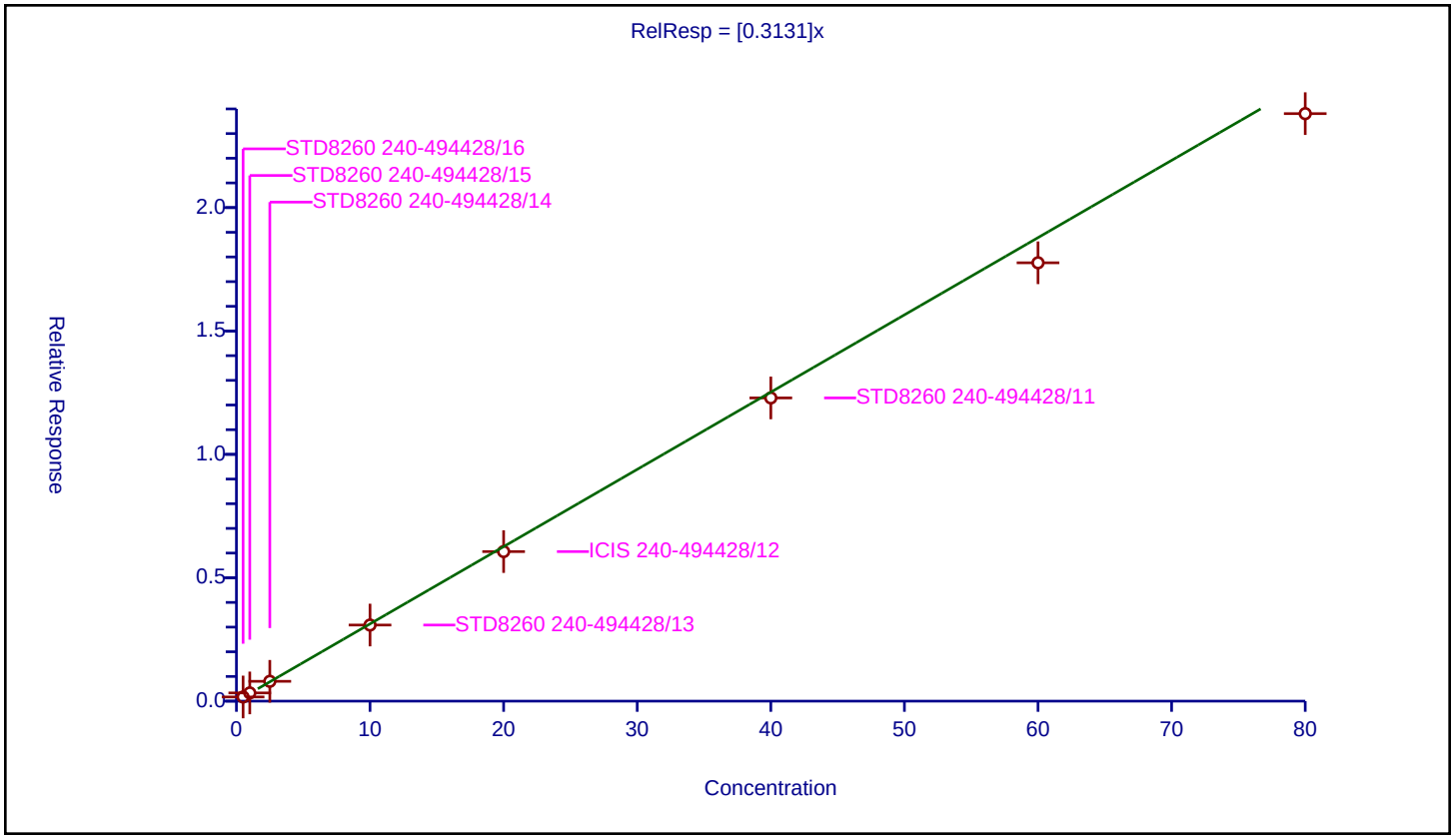
Curve Coefficients

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

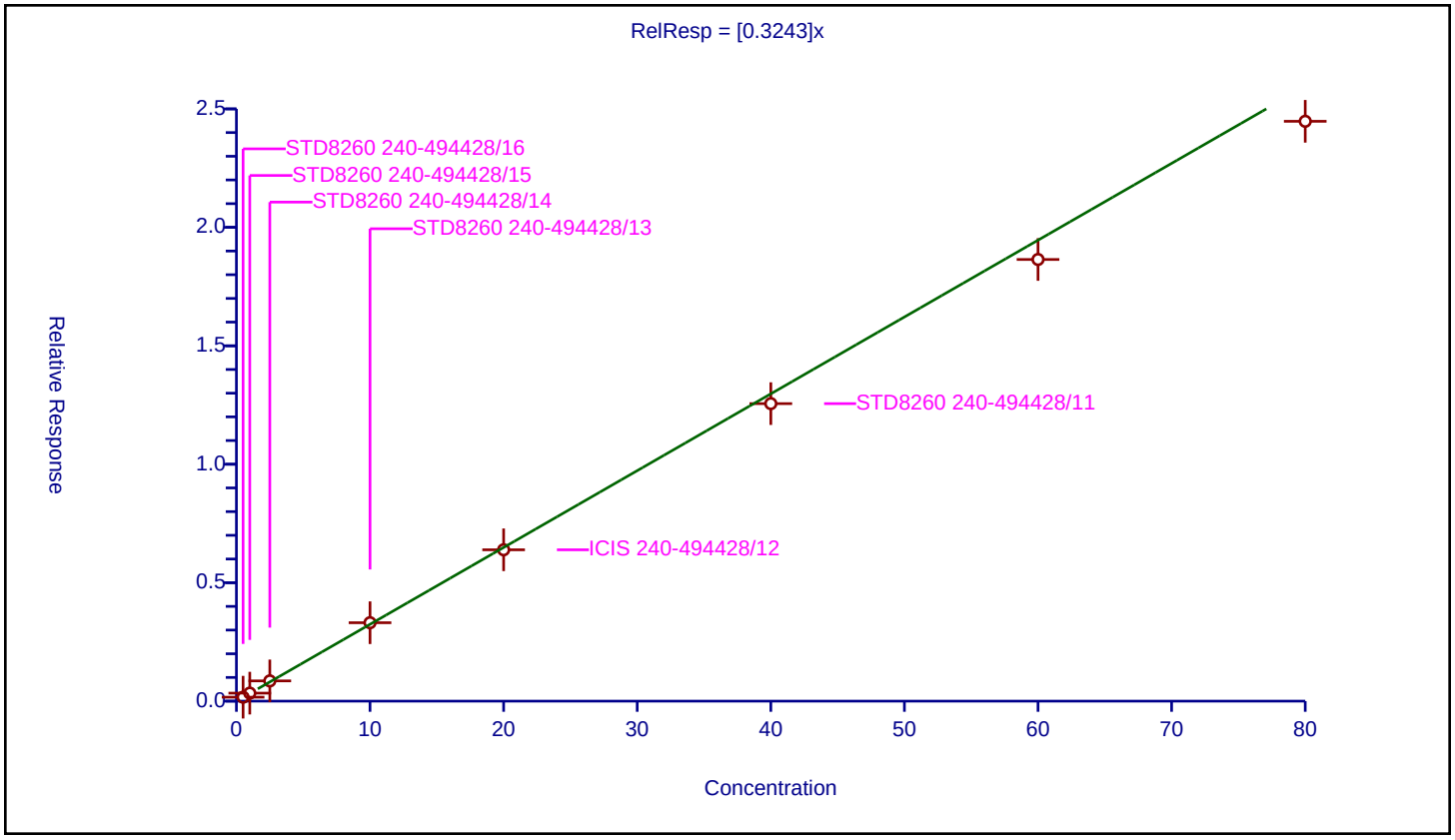
Curve Coefficients

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

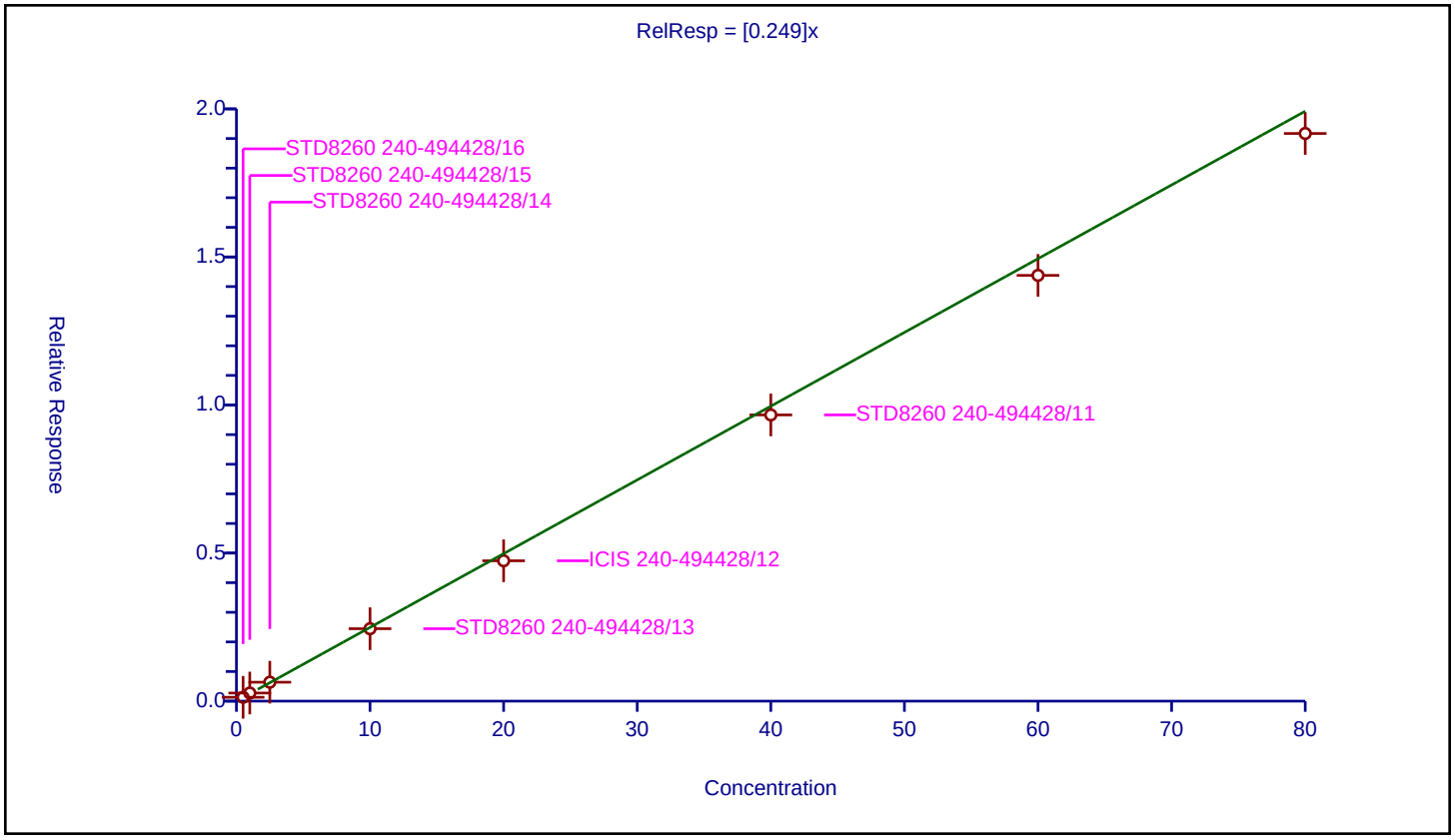
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

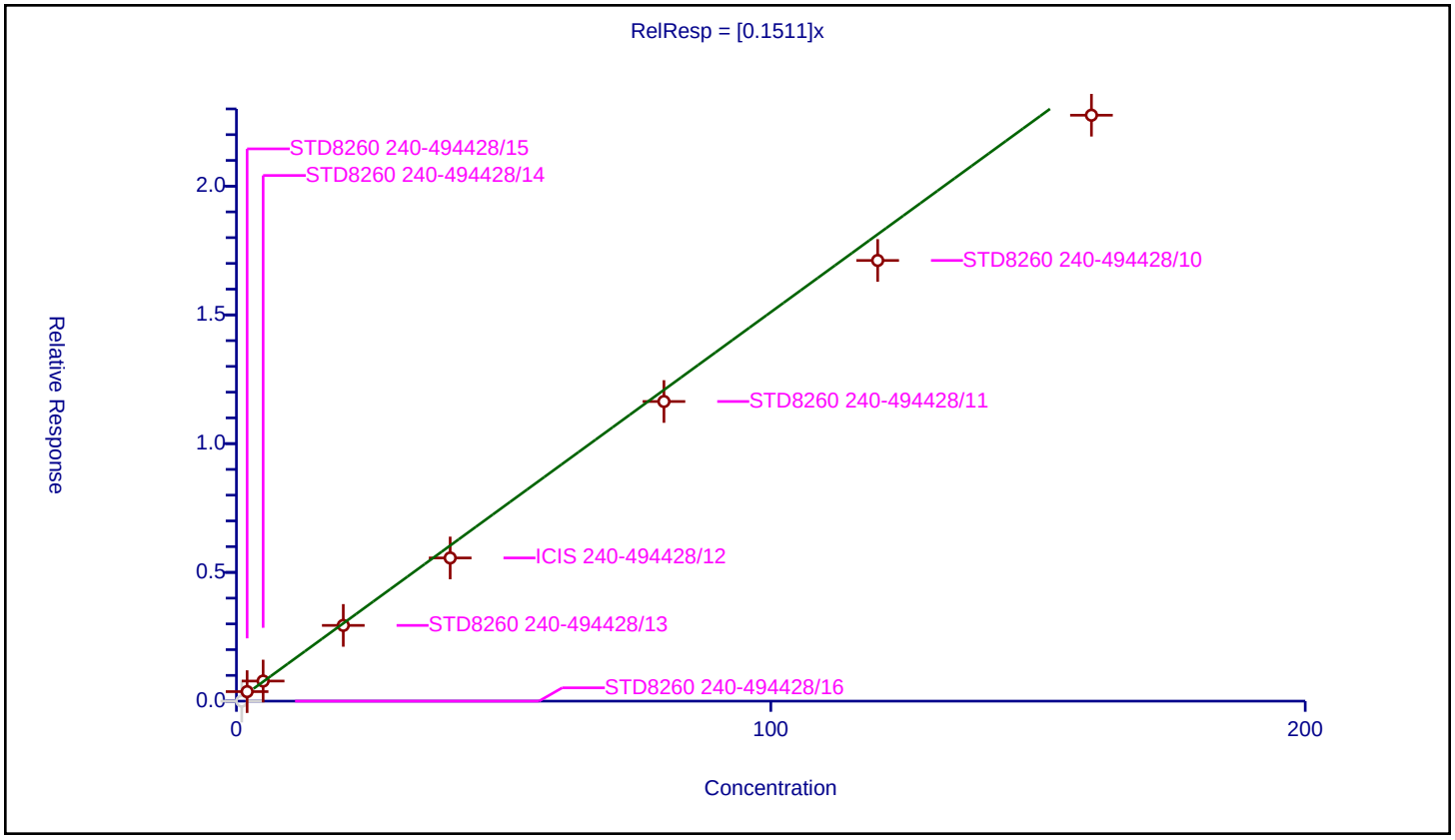
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

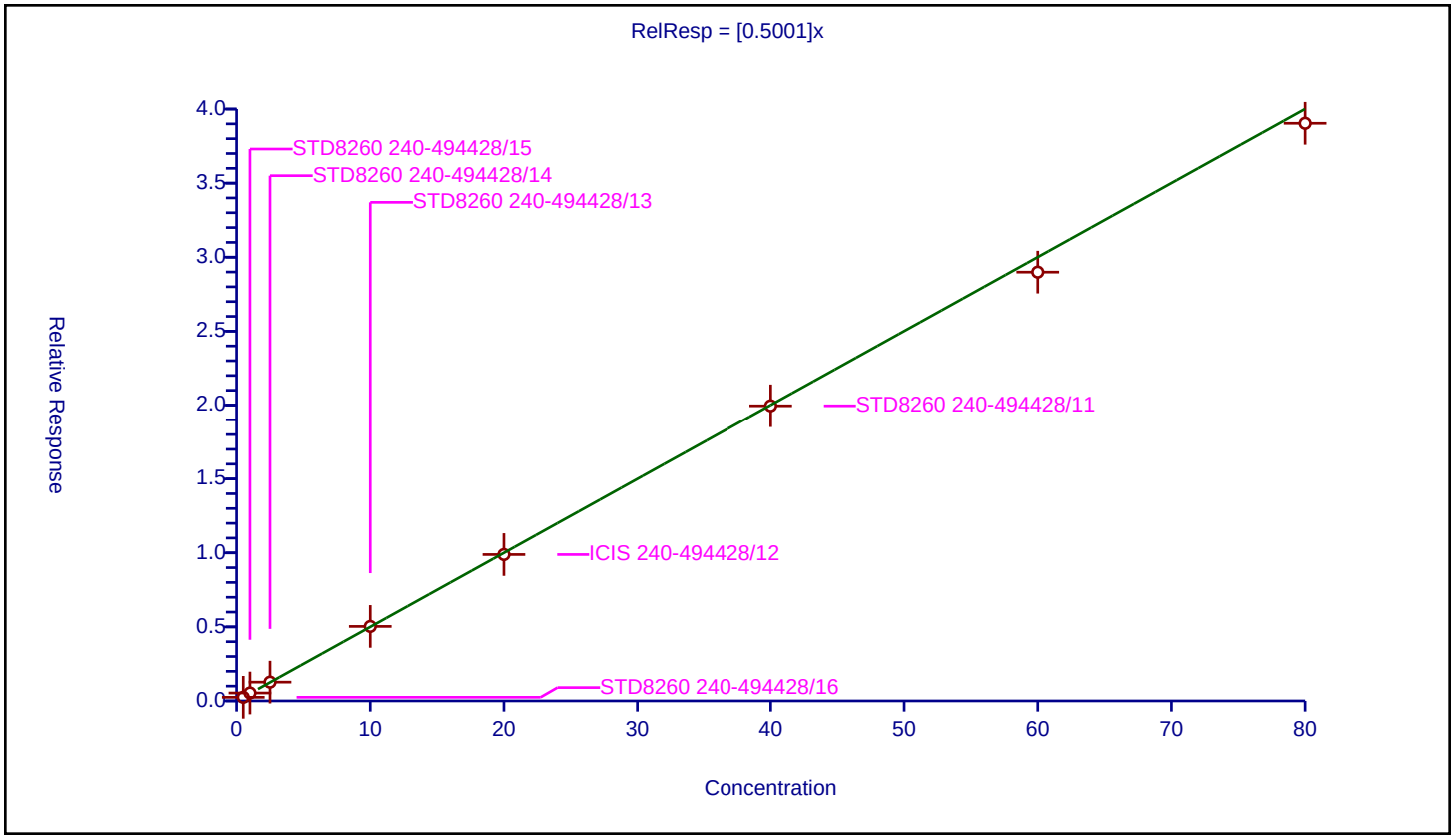
Curve Coefficients

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

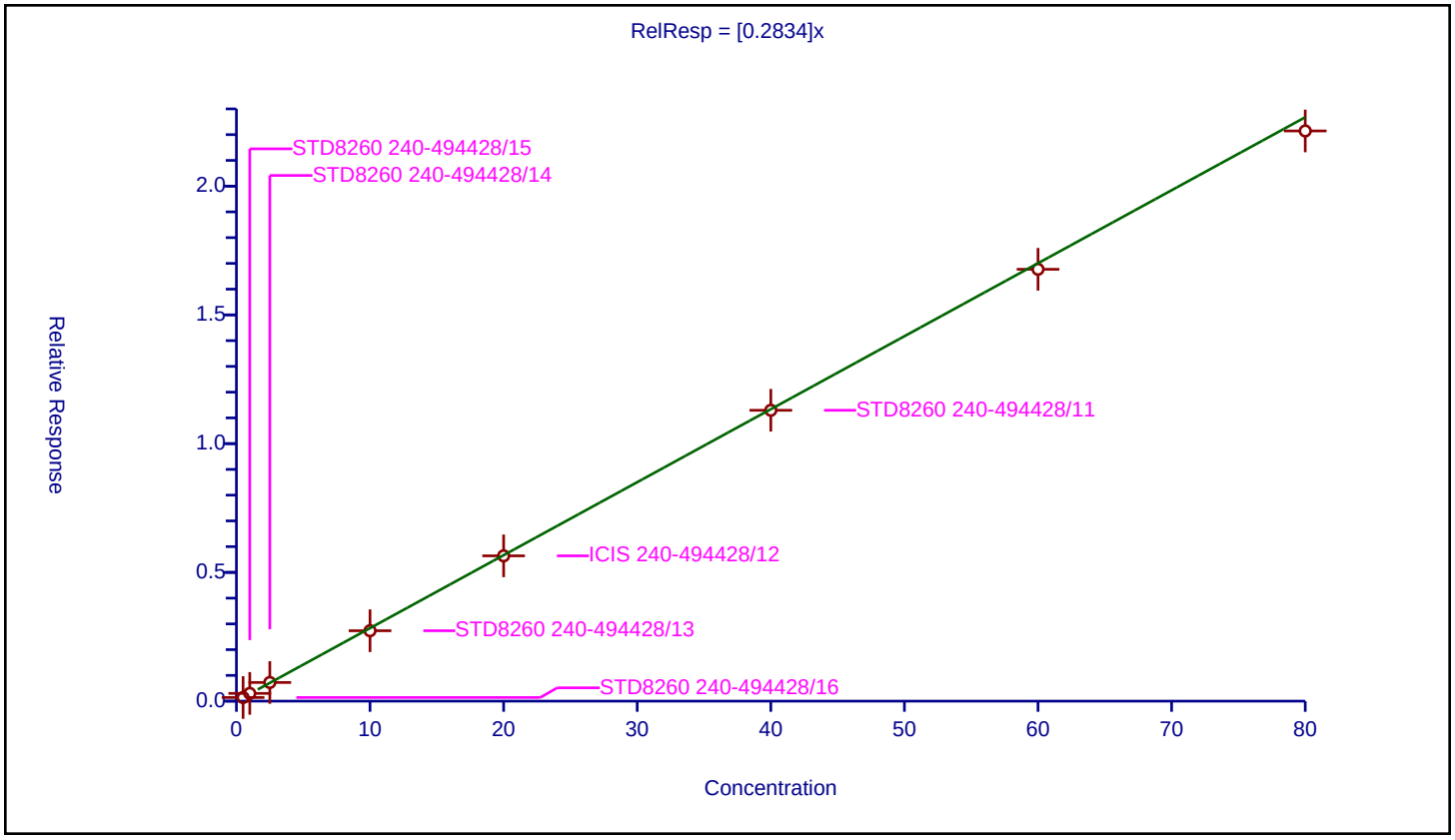
Curve Coefficients

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



Calibration / 1,1,1-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

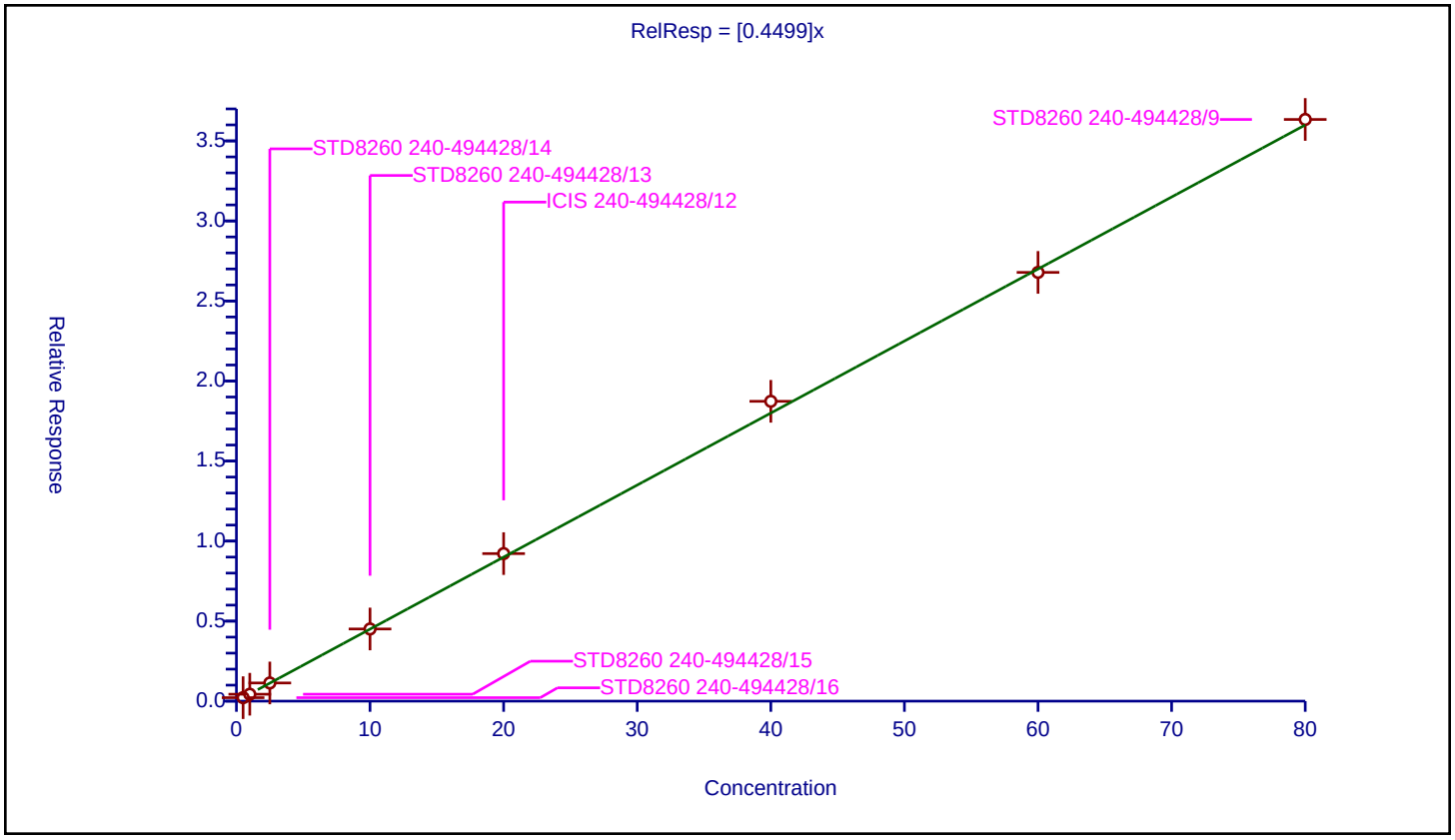
Curve Coefficients

Intercept:	0
Slope:	0.4499

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

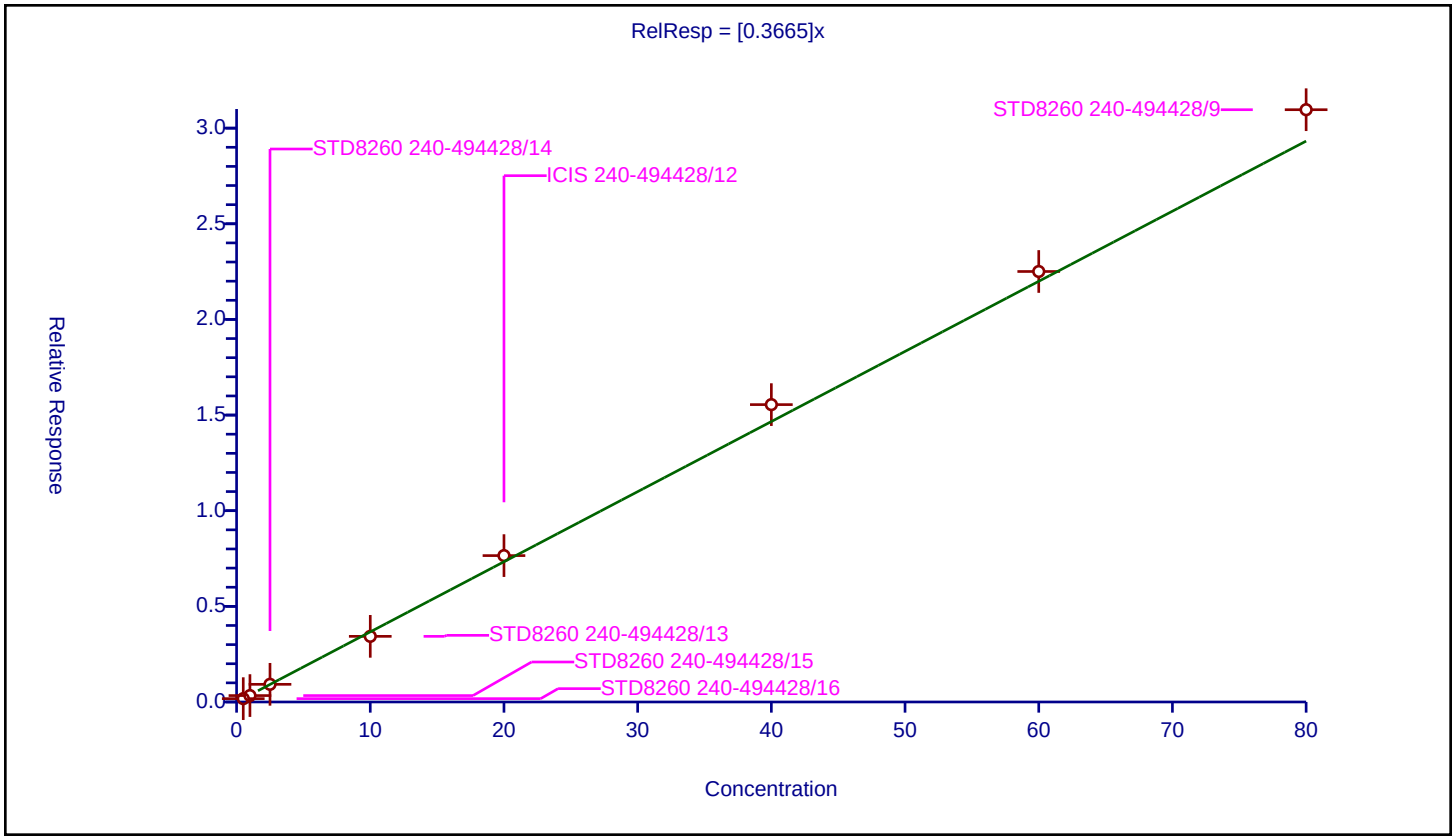
Curve Coefficients

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

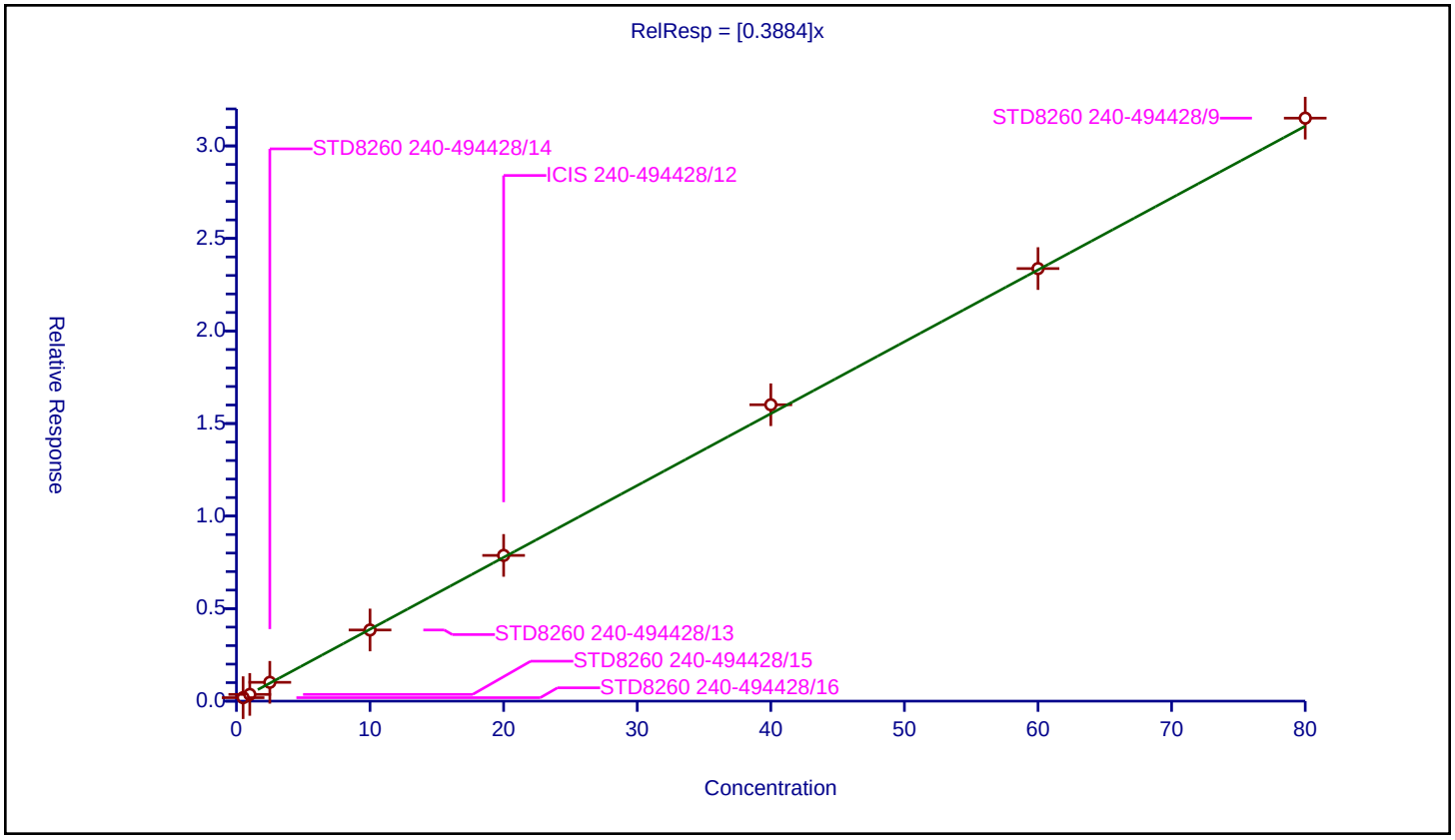
Curve Coefficients

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

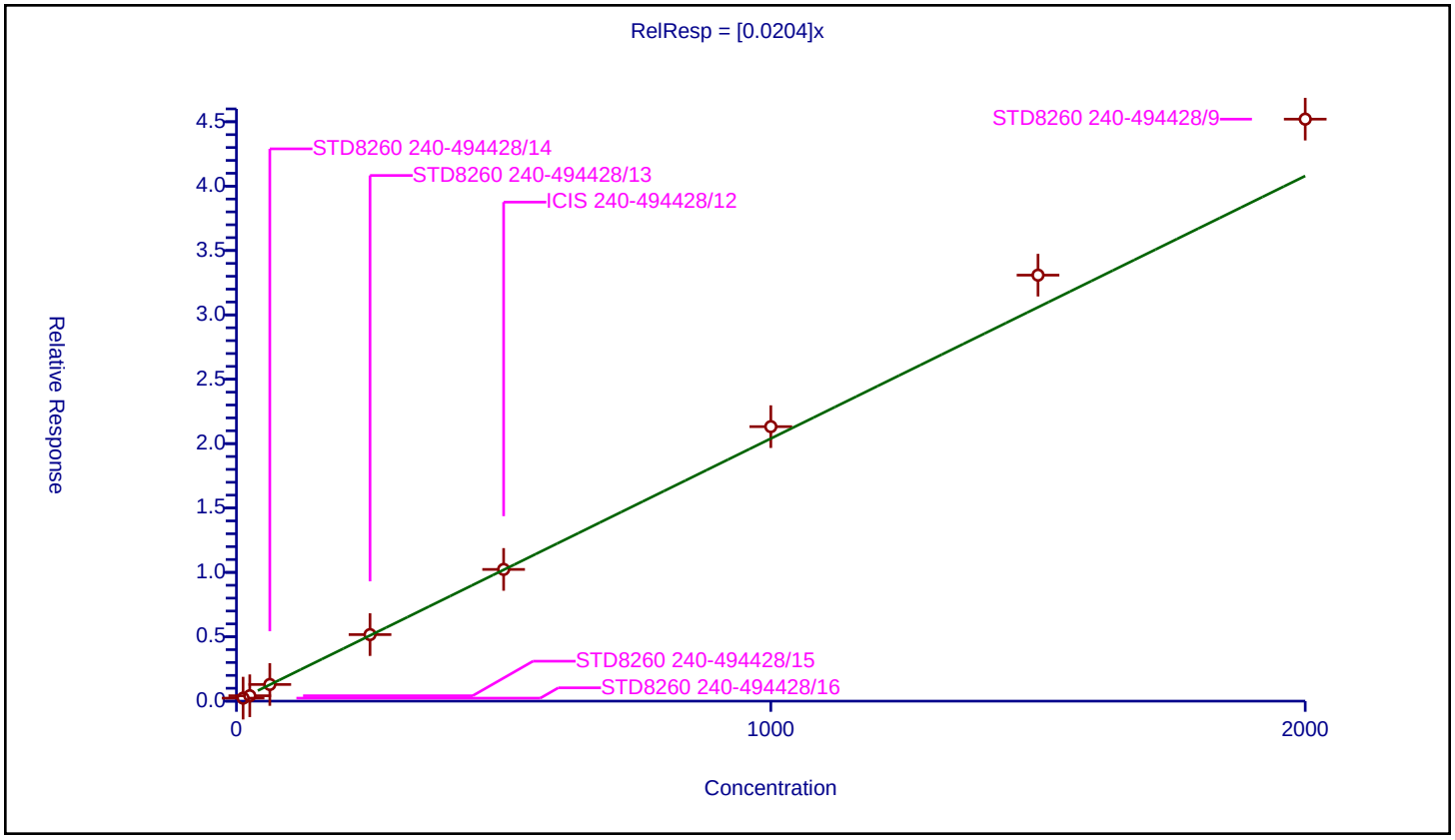
Curve Coefficients

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

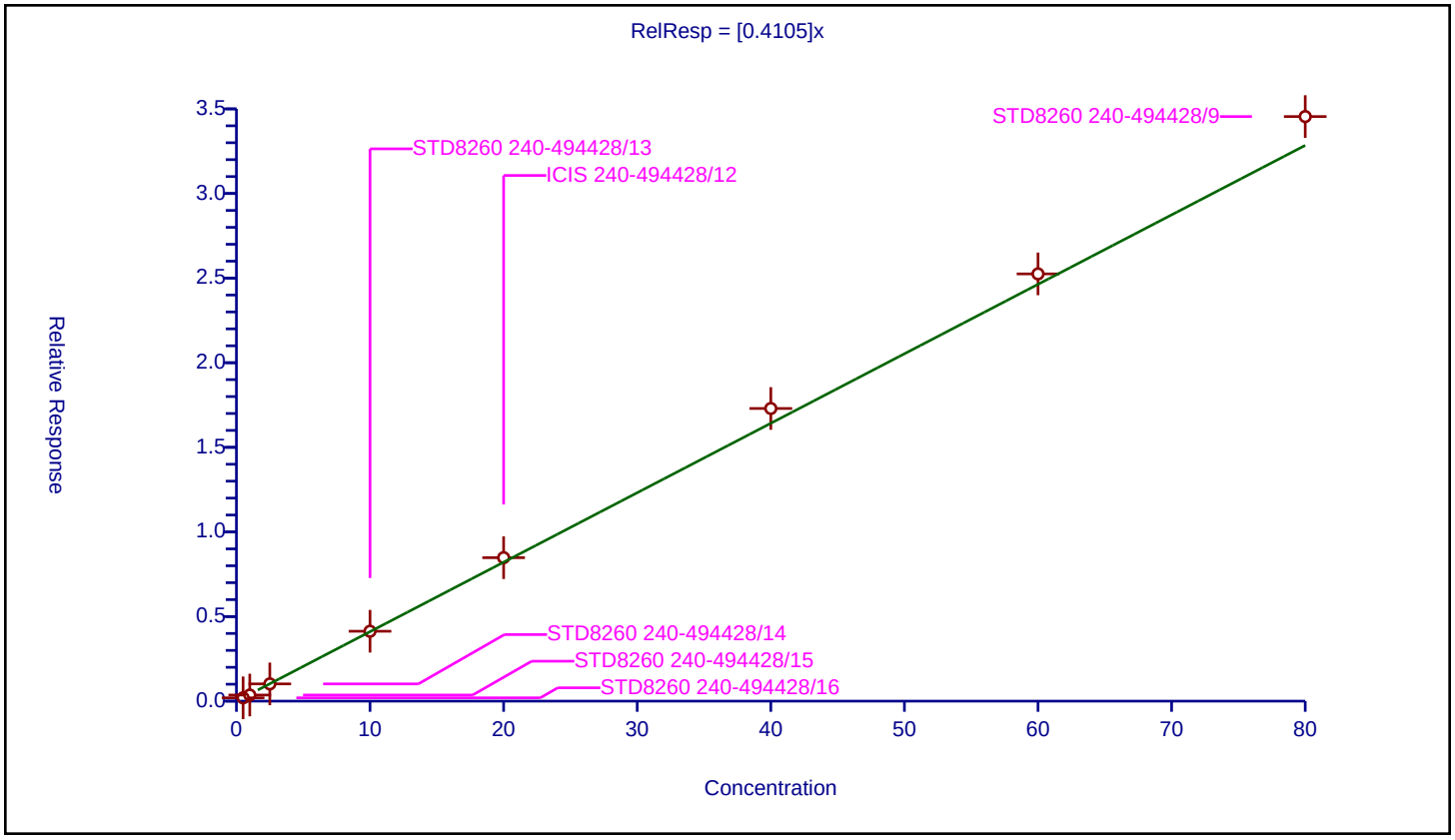
Curve Coefficients

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

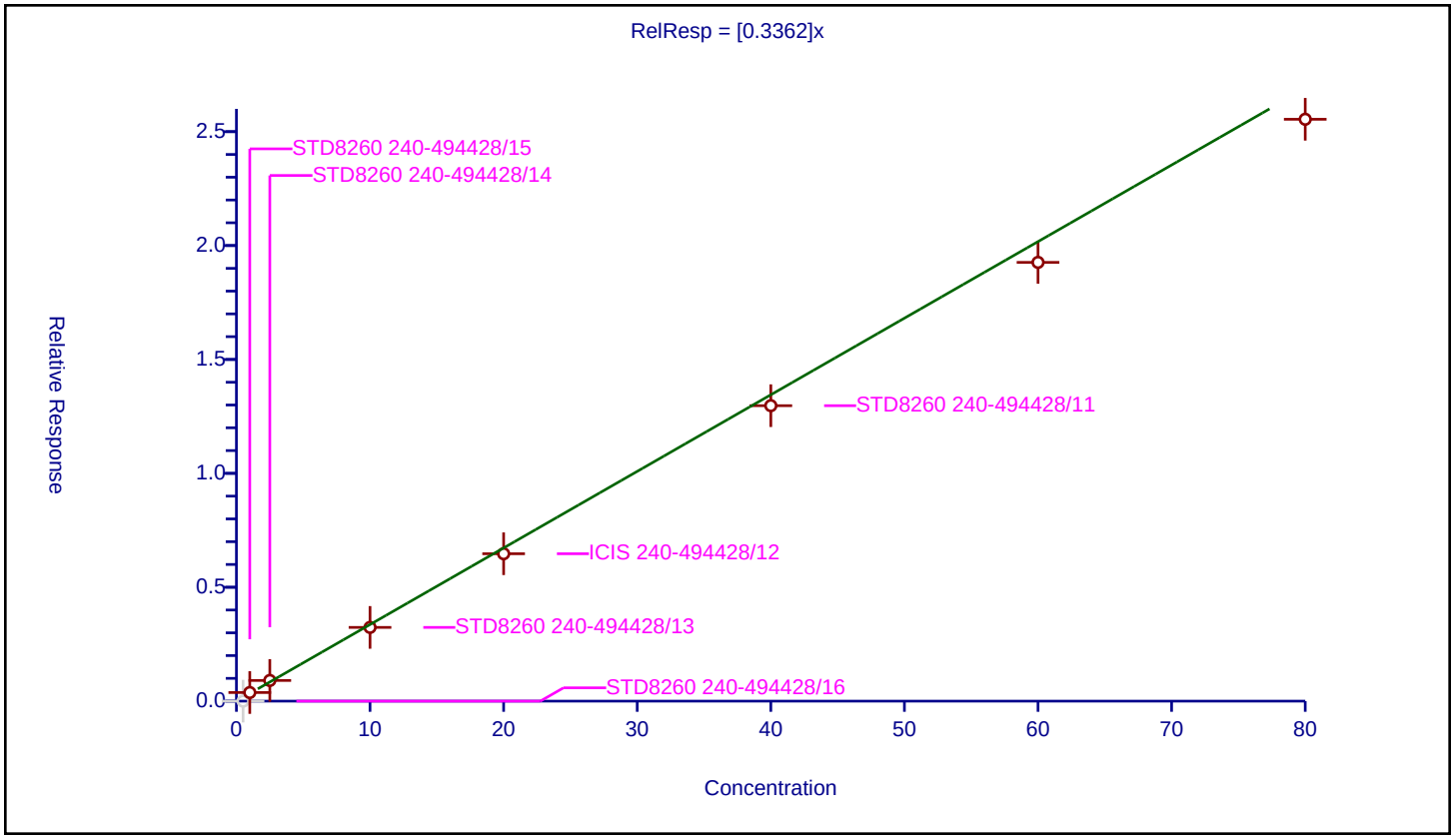
Curve Coefficients

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

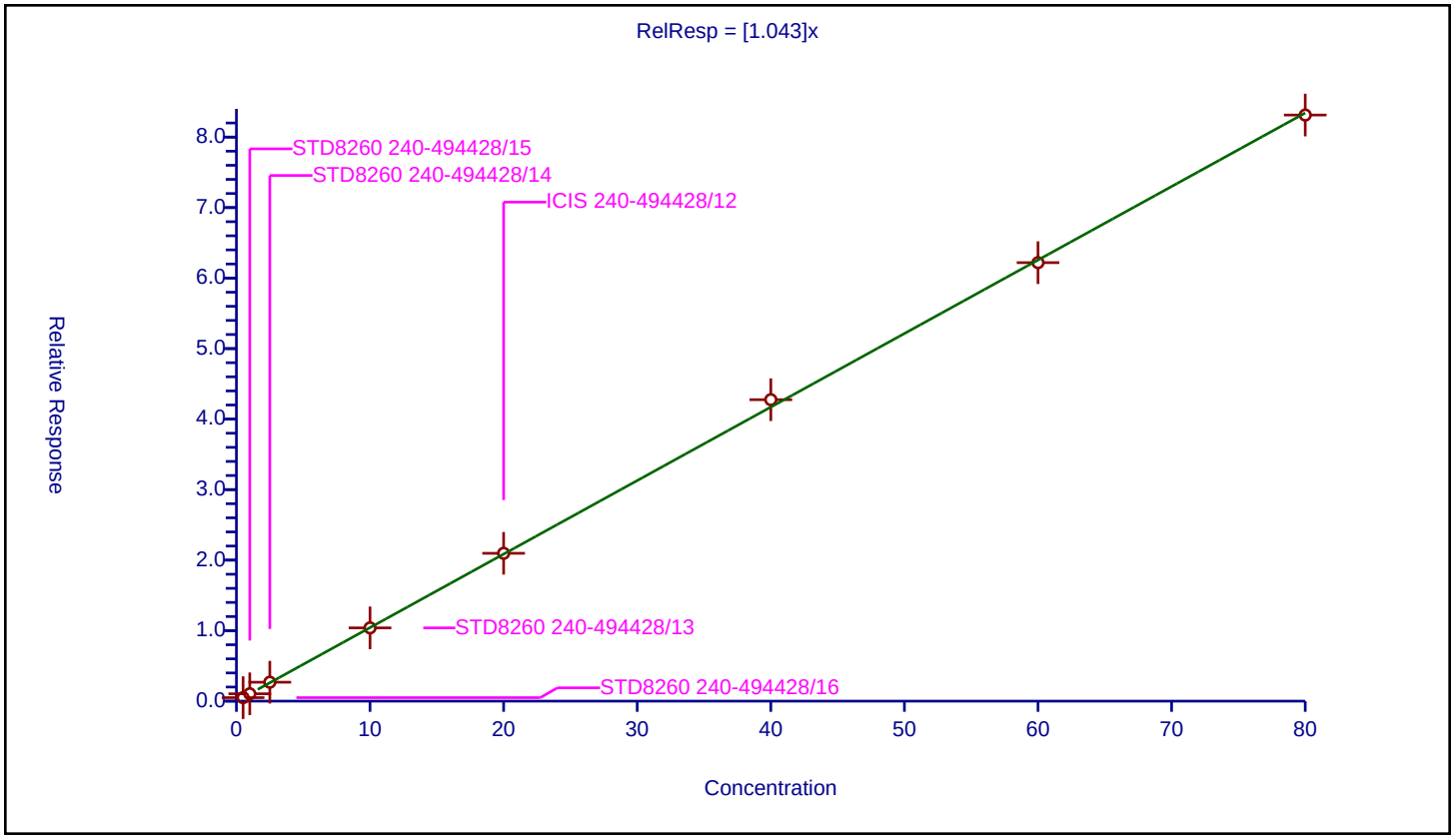
Curve Coefficients

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

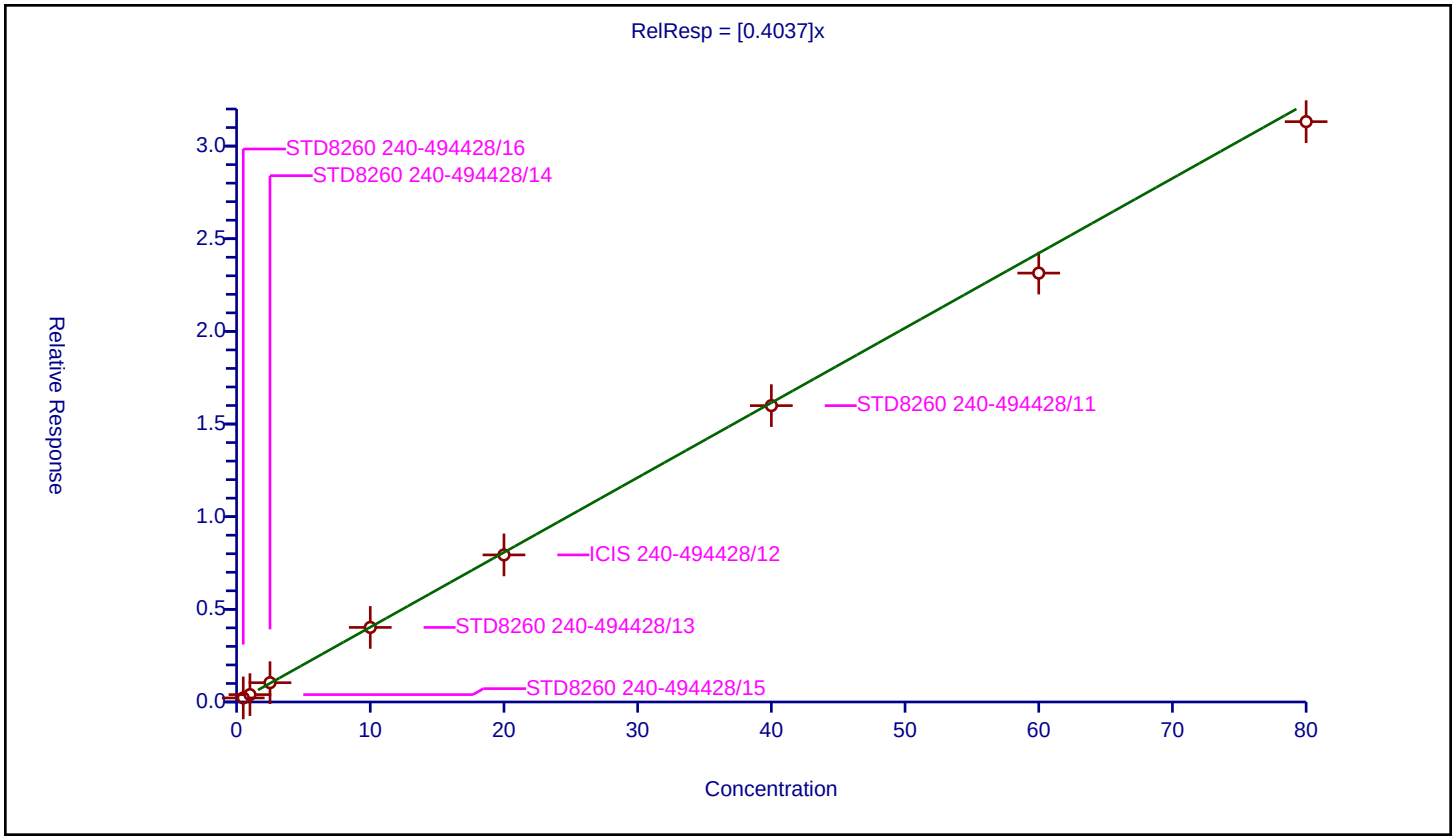
Curve Coefficients

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

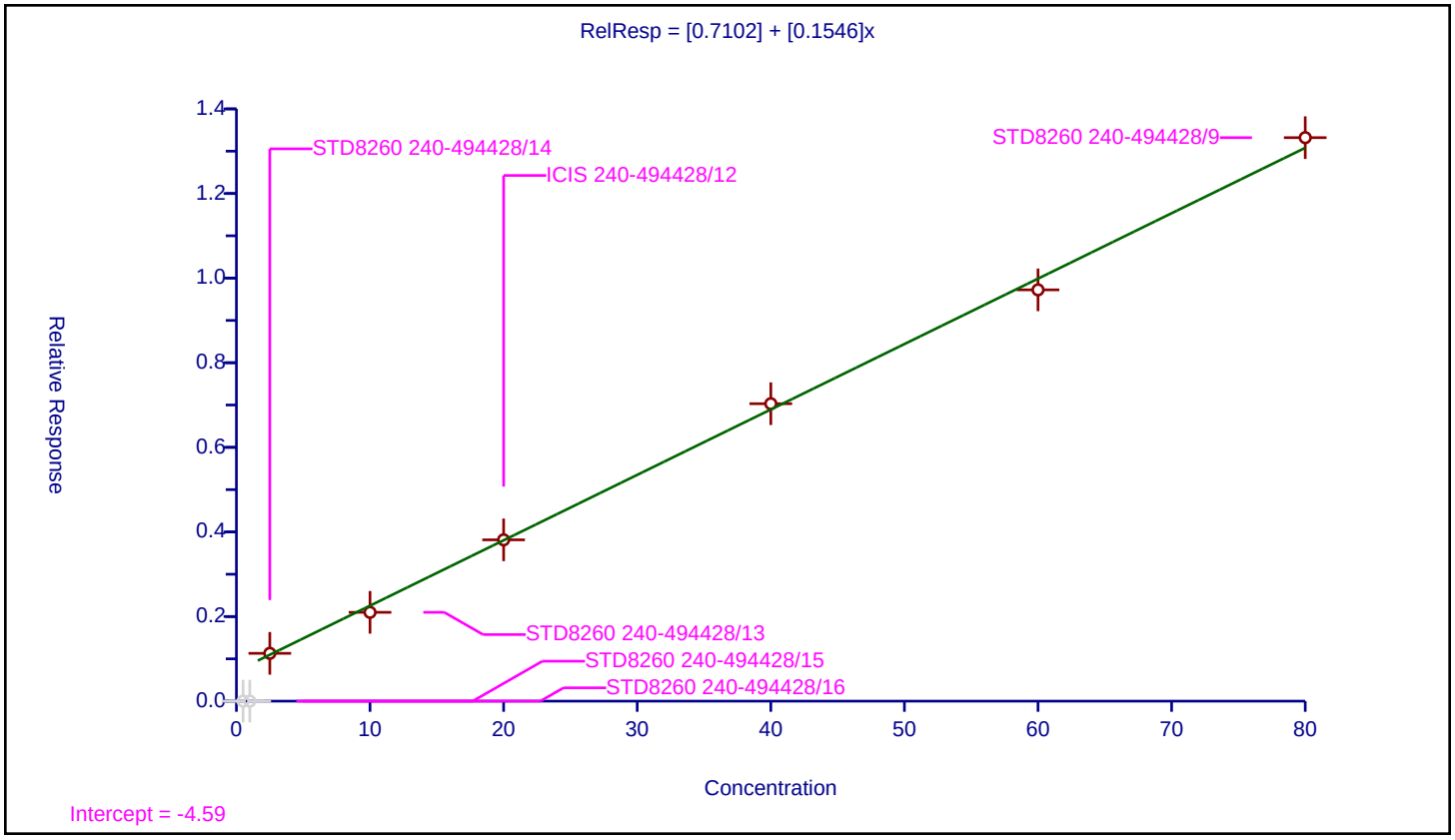
Curve Coefficients

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

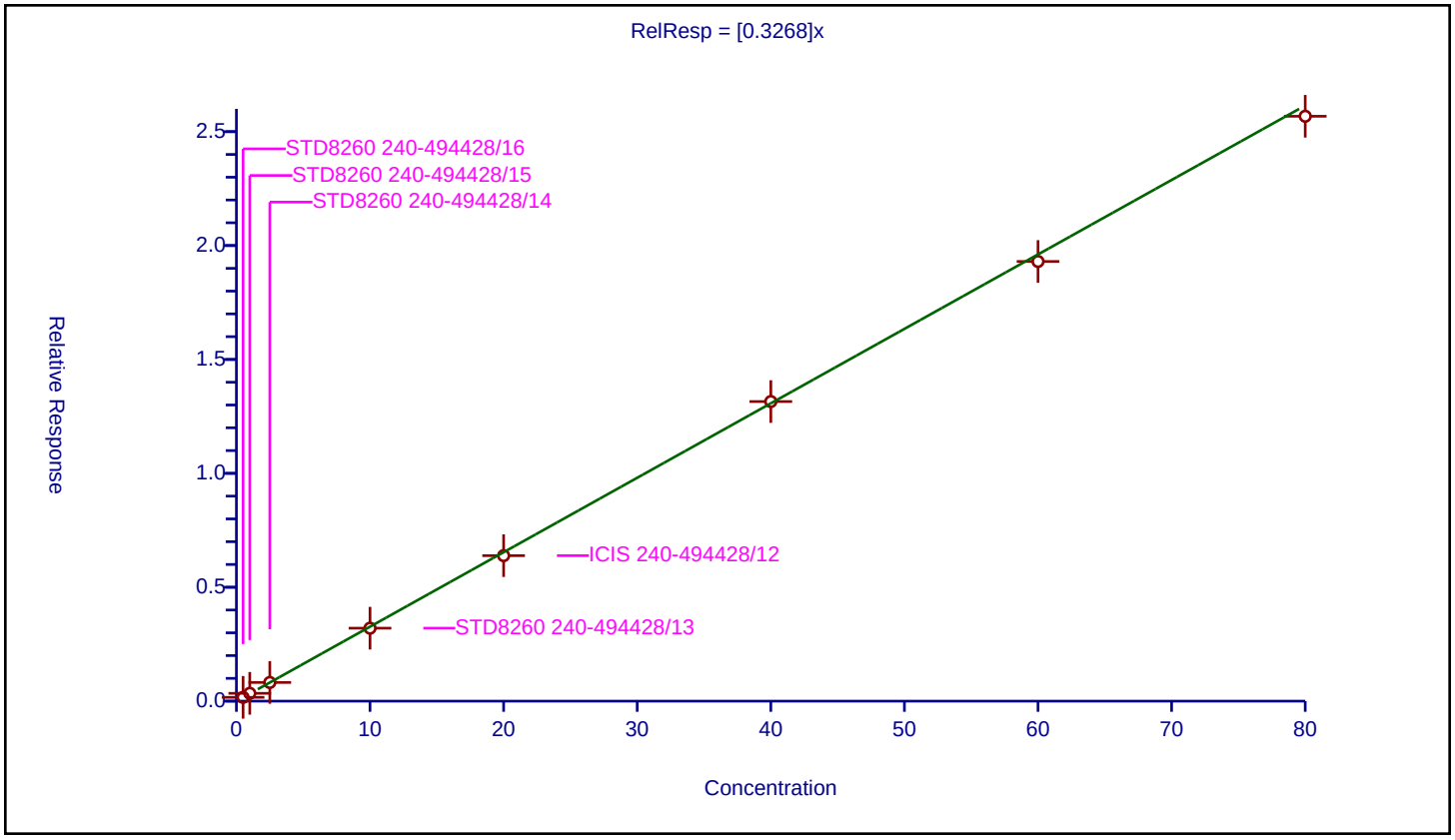
Curve Coefficients

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

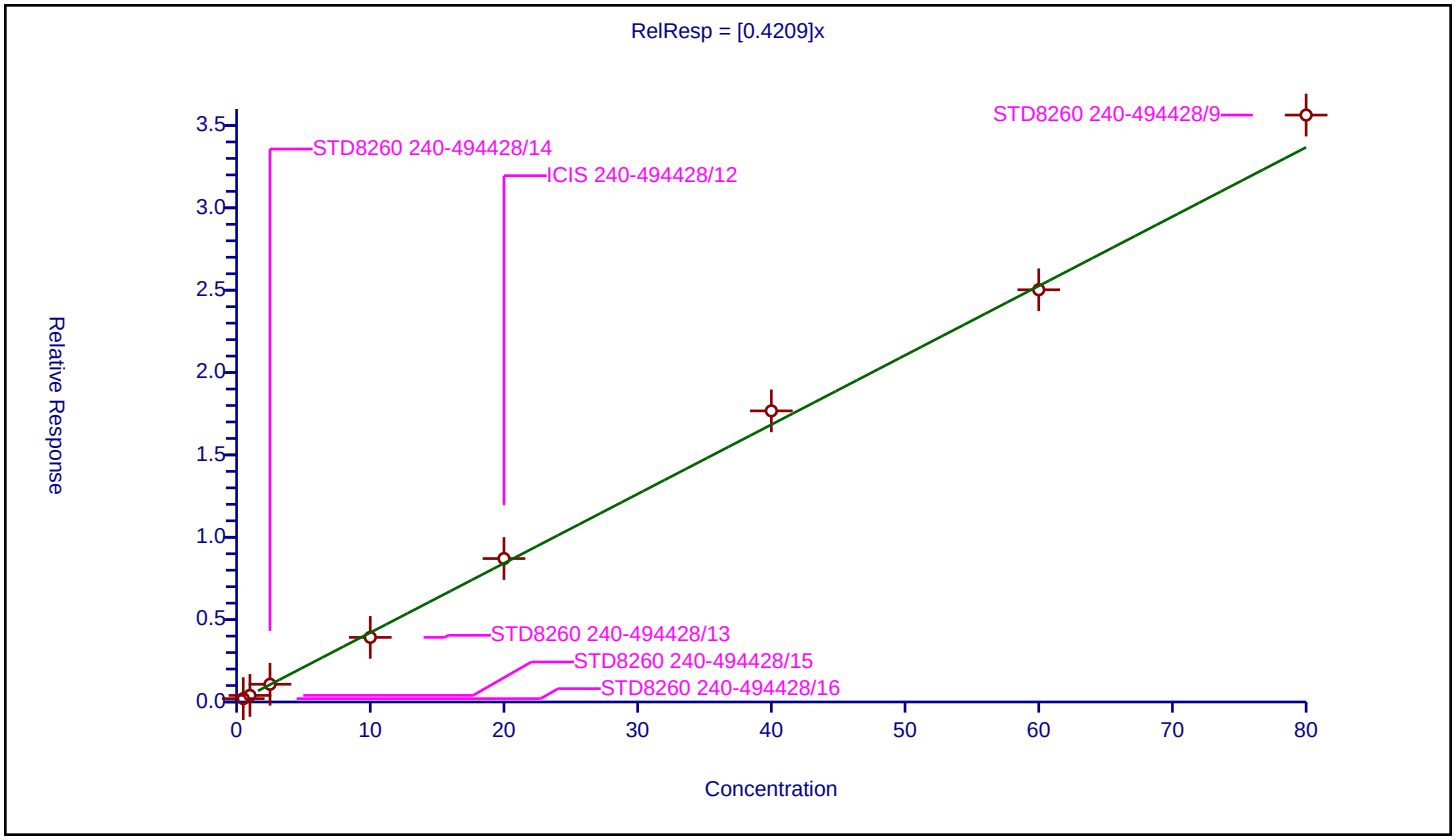
Curve Coefficients

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

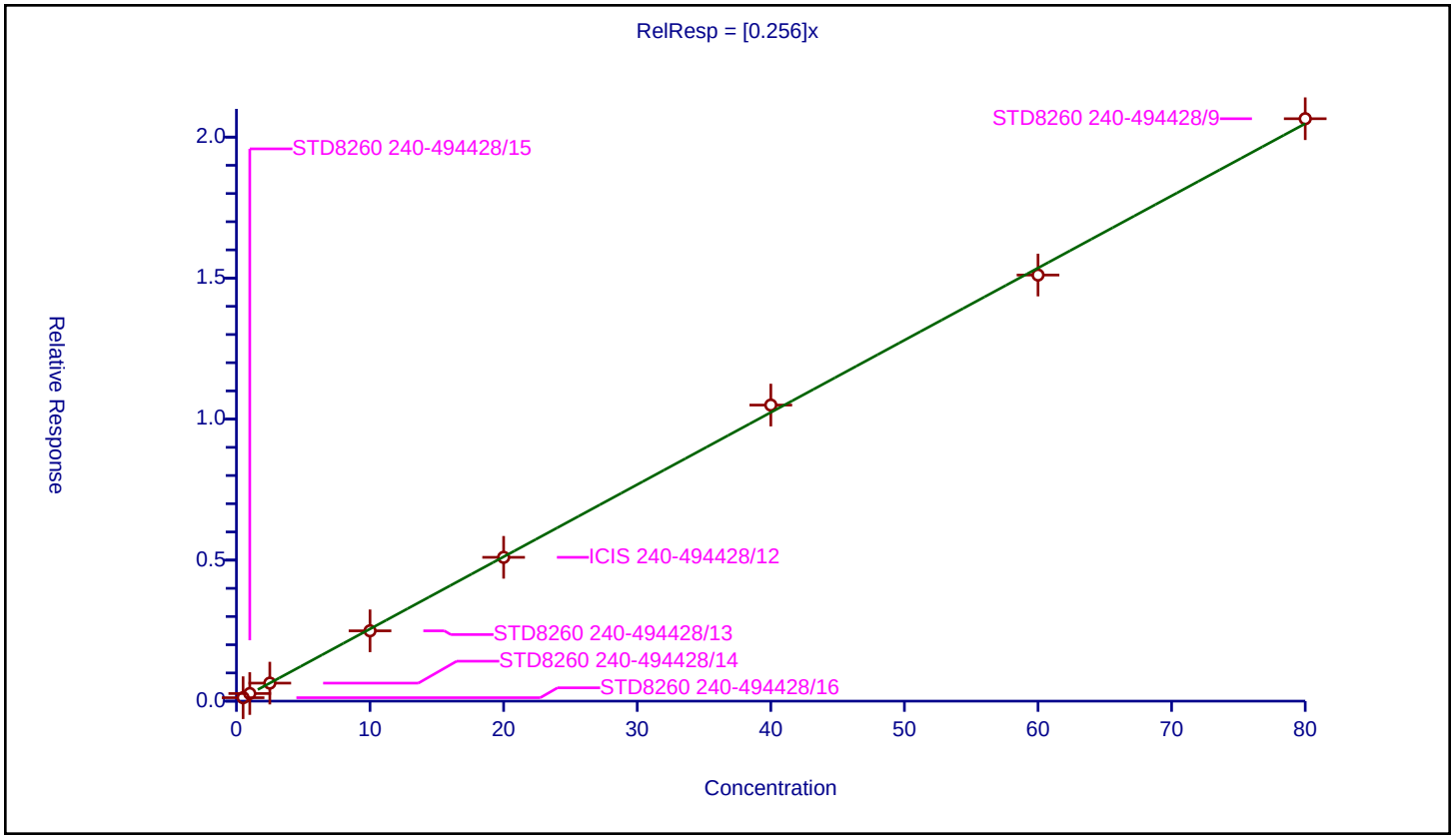
Curve Coefficients

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

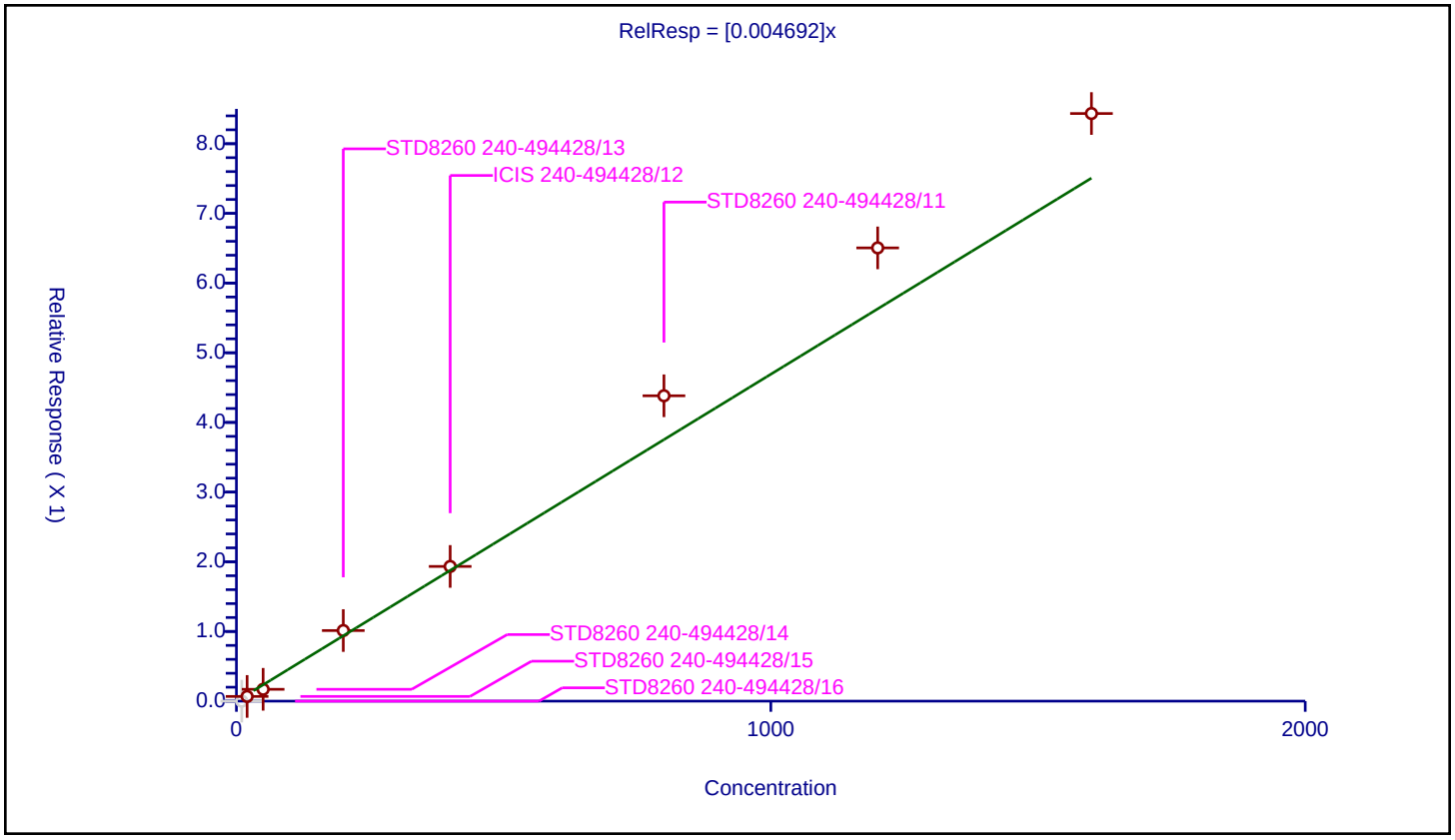
Curve Coefficients

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



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

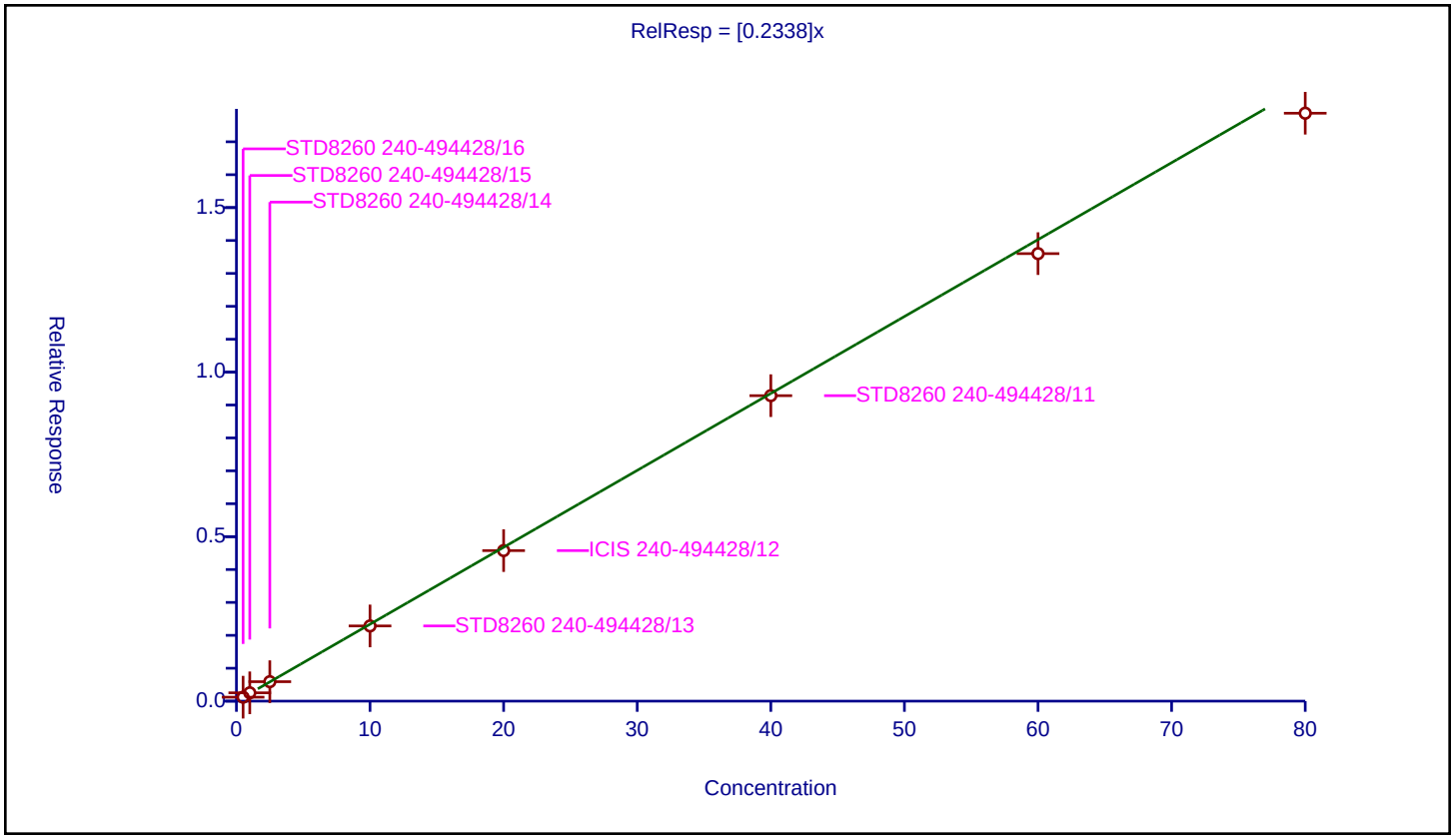
Curve Coefficients

Intercept:	0
Slope:	0.2338

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

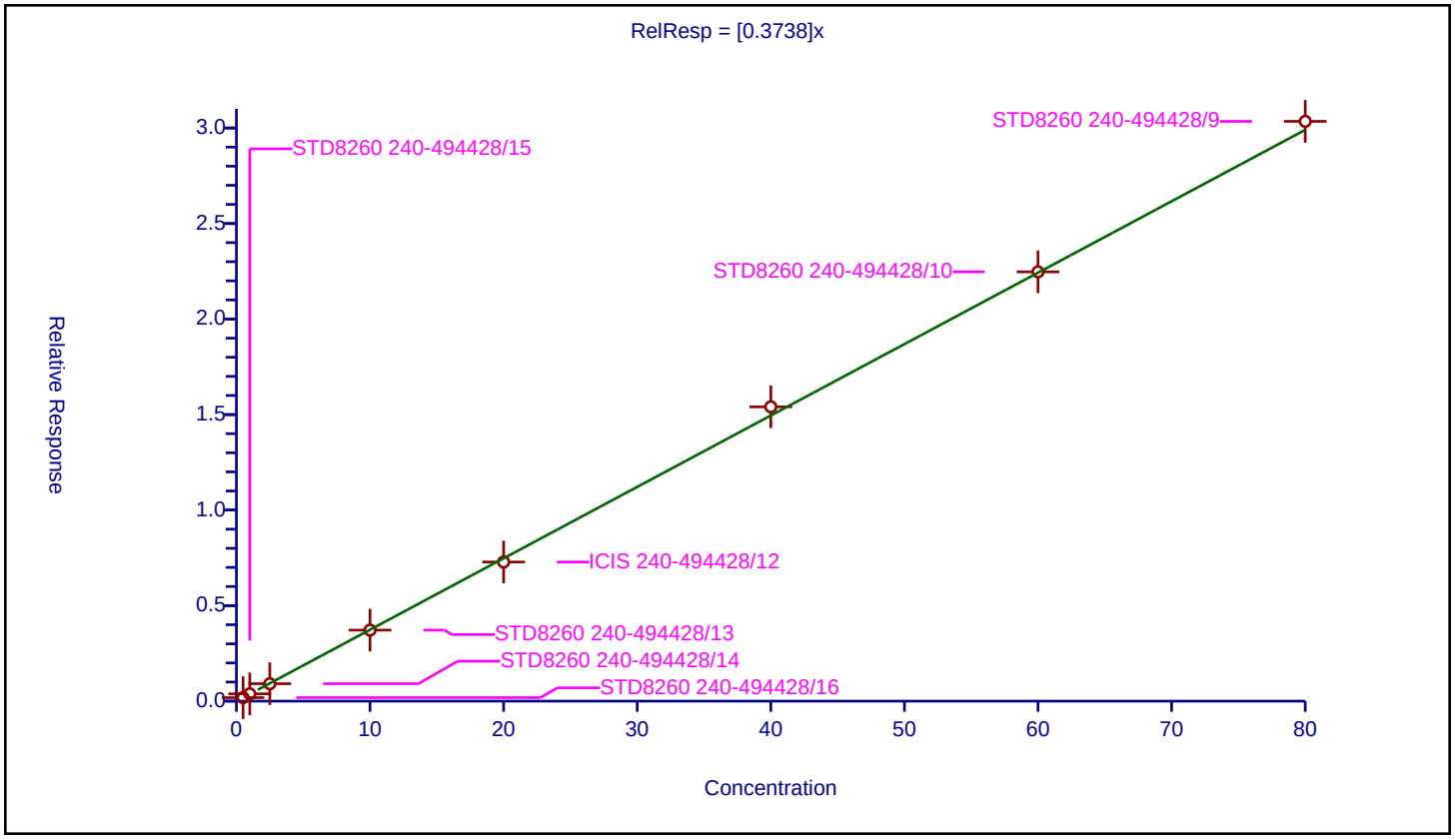
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

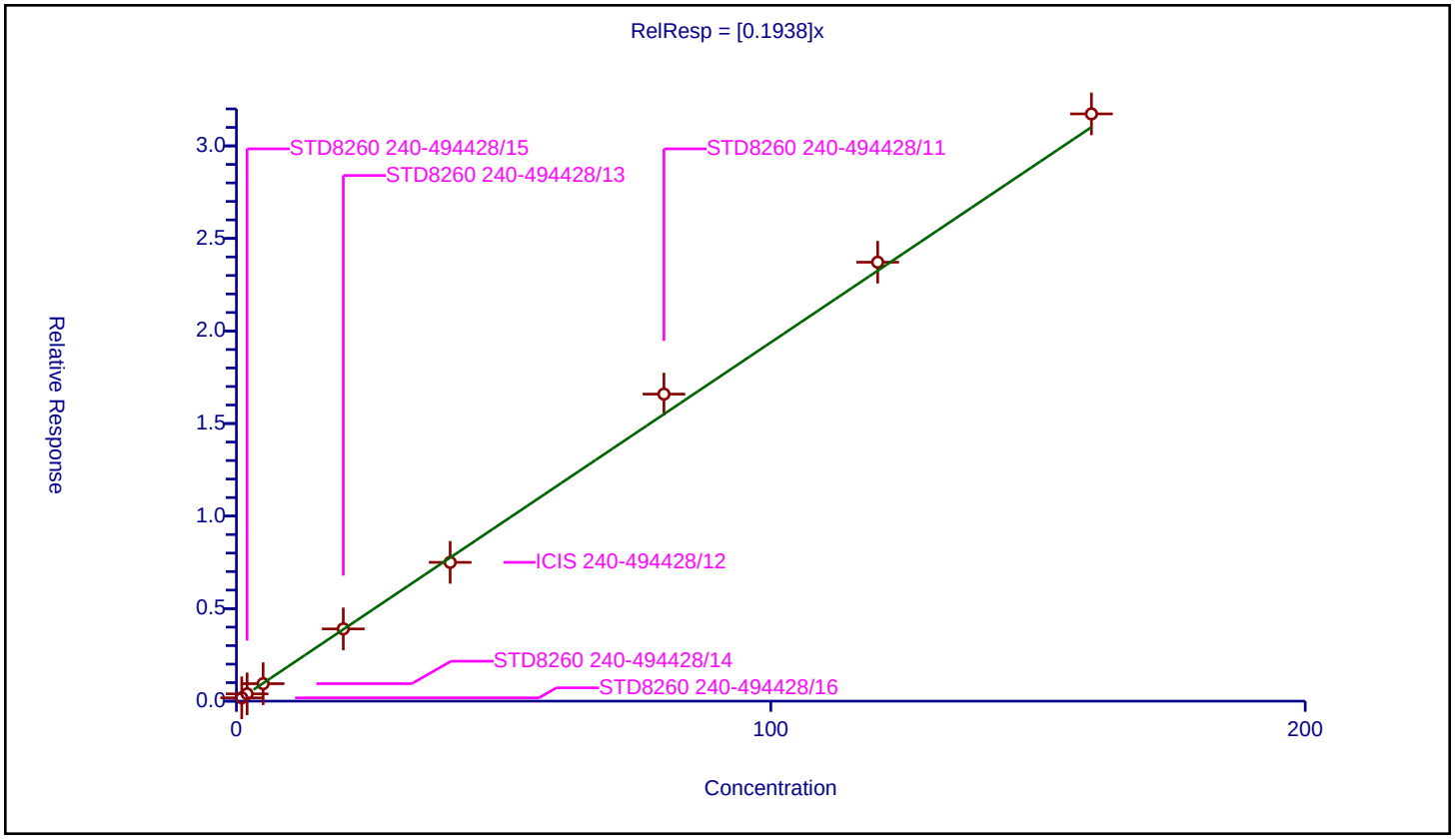
Curve Coefficients

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

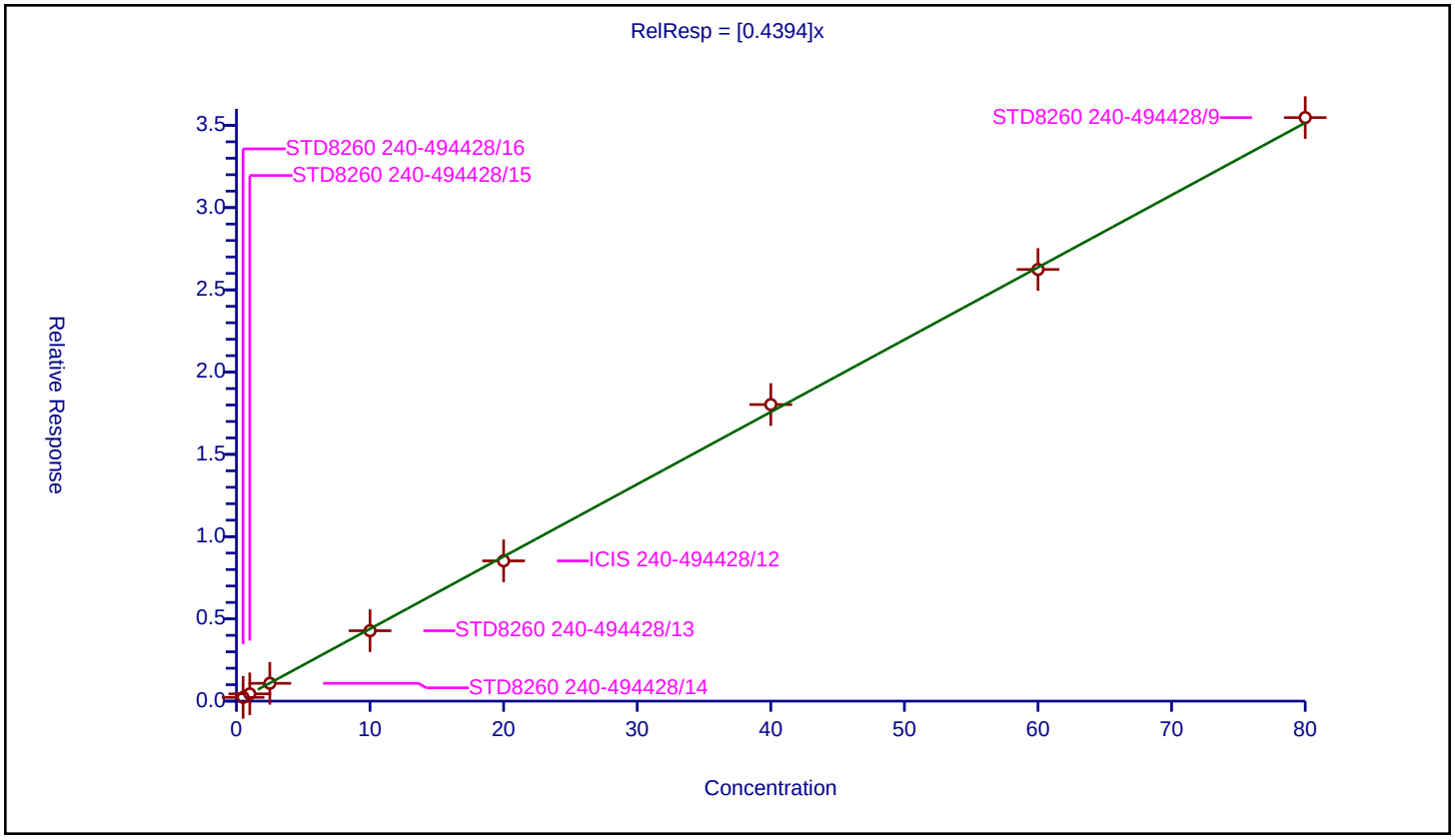
Curve Coefficients

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

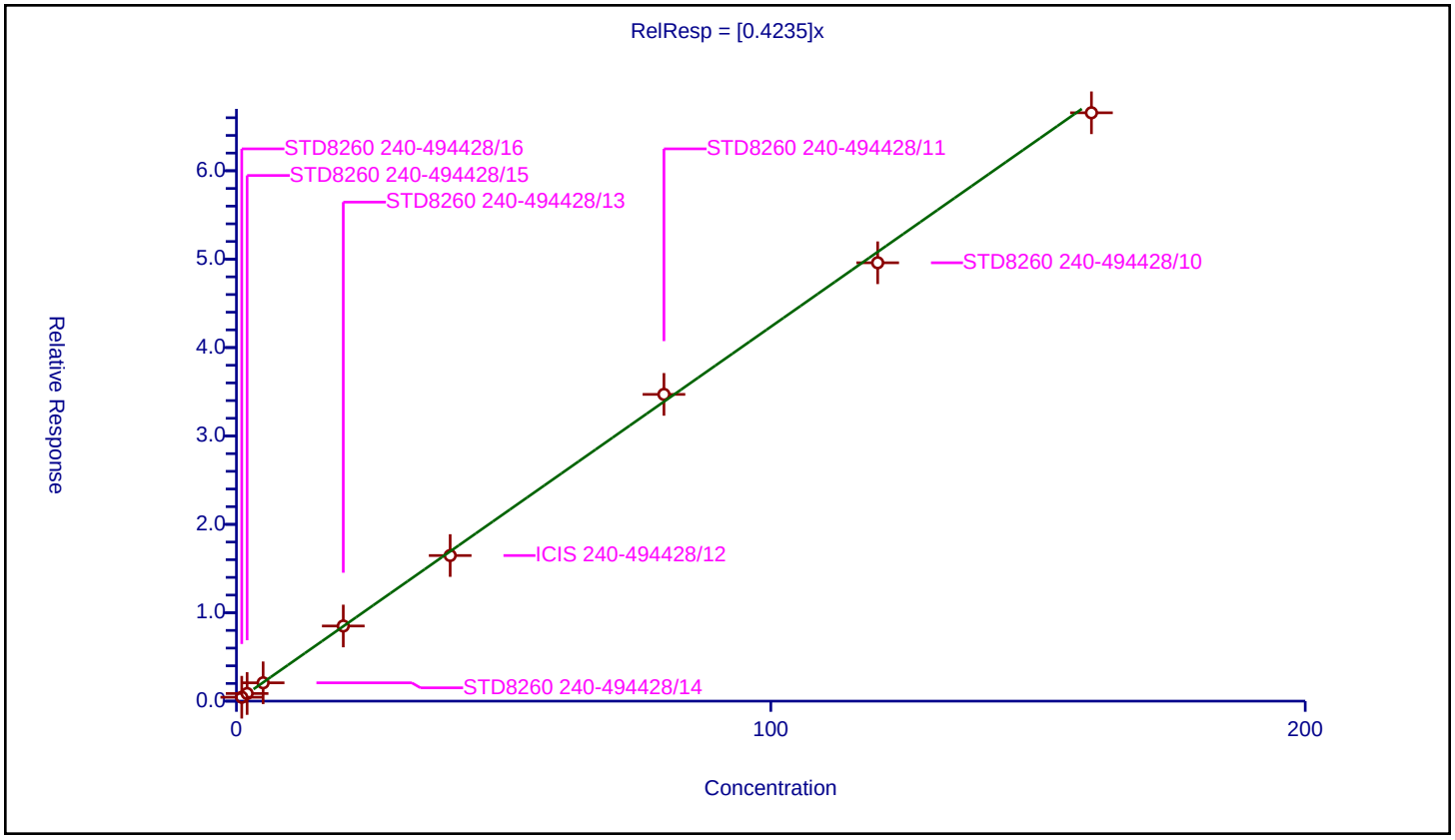
Curve Coefficients

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

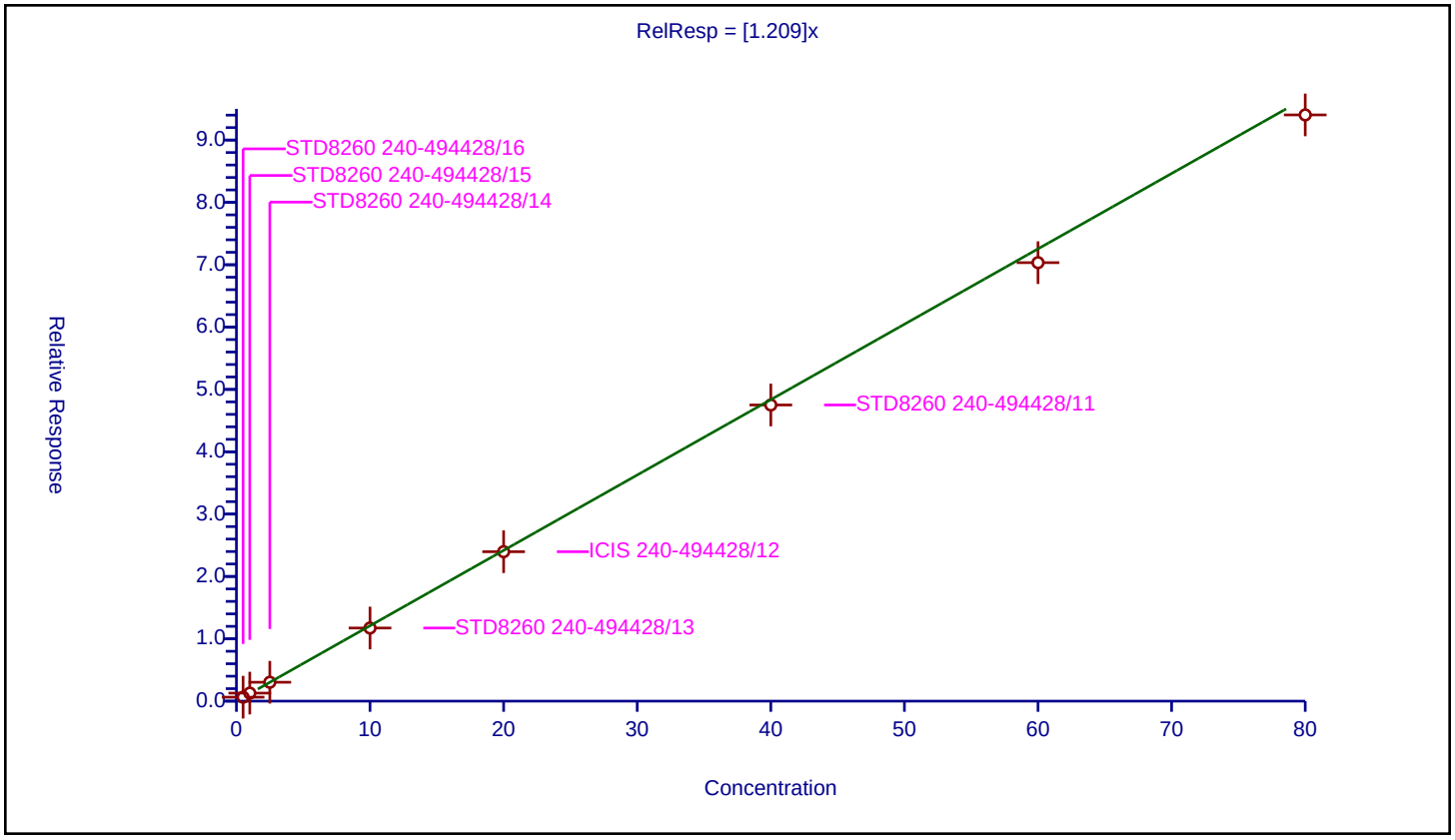
Curve Coefficients

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

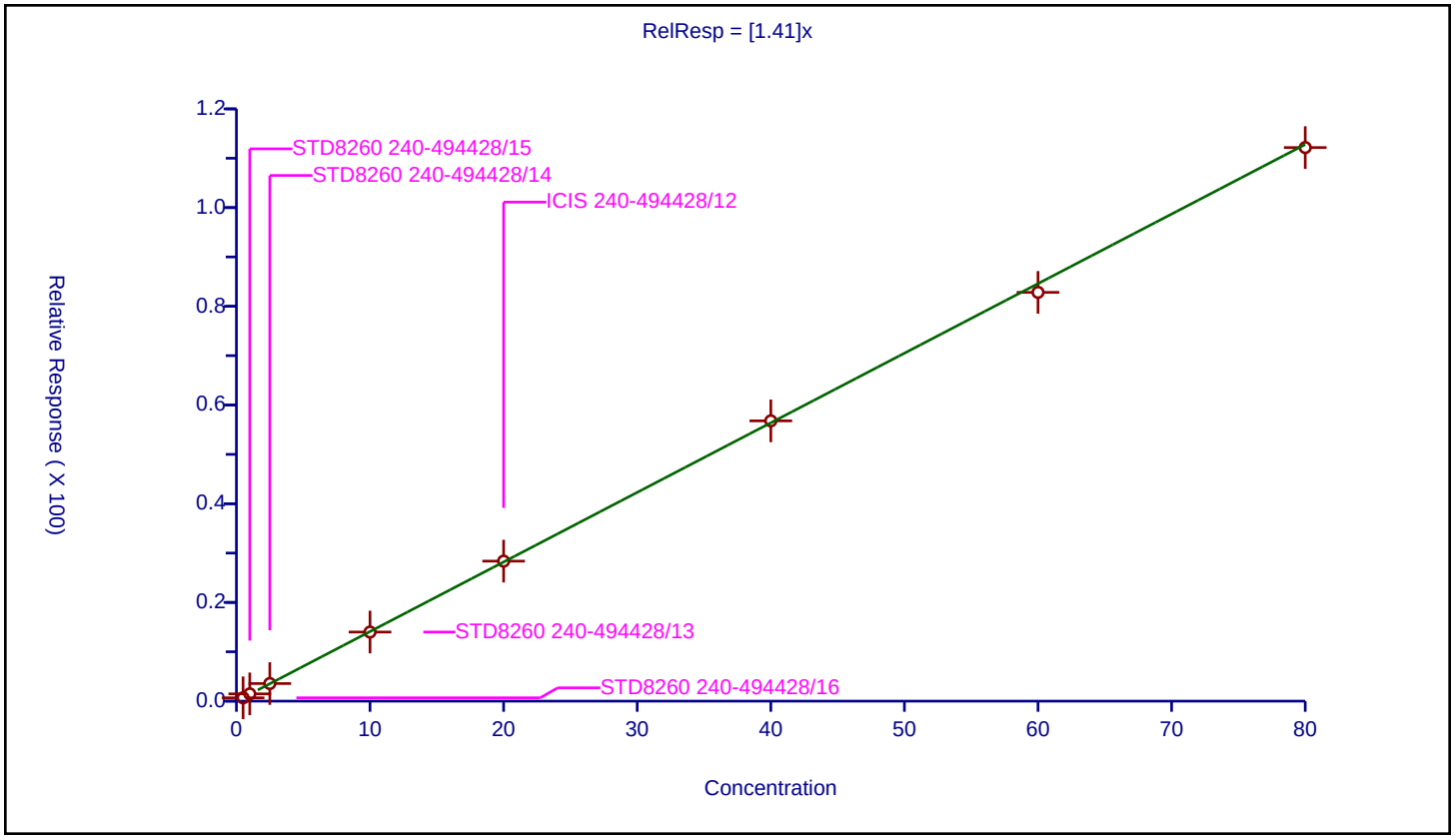
Curve Coefficients

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

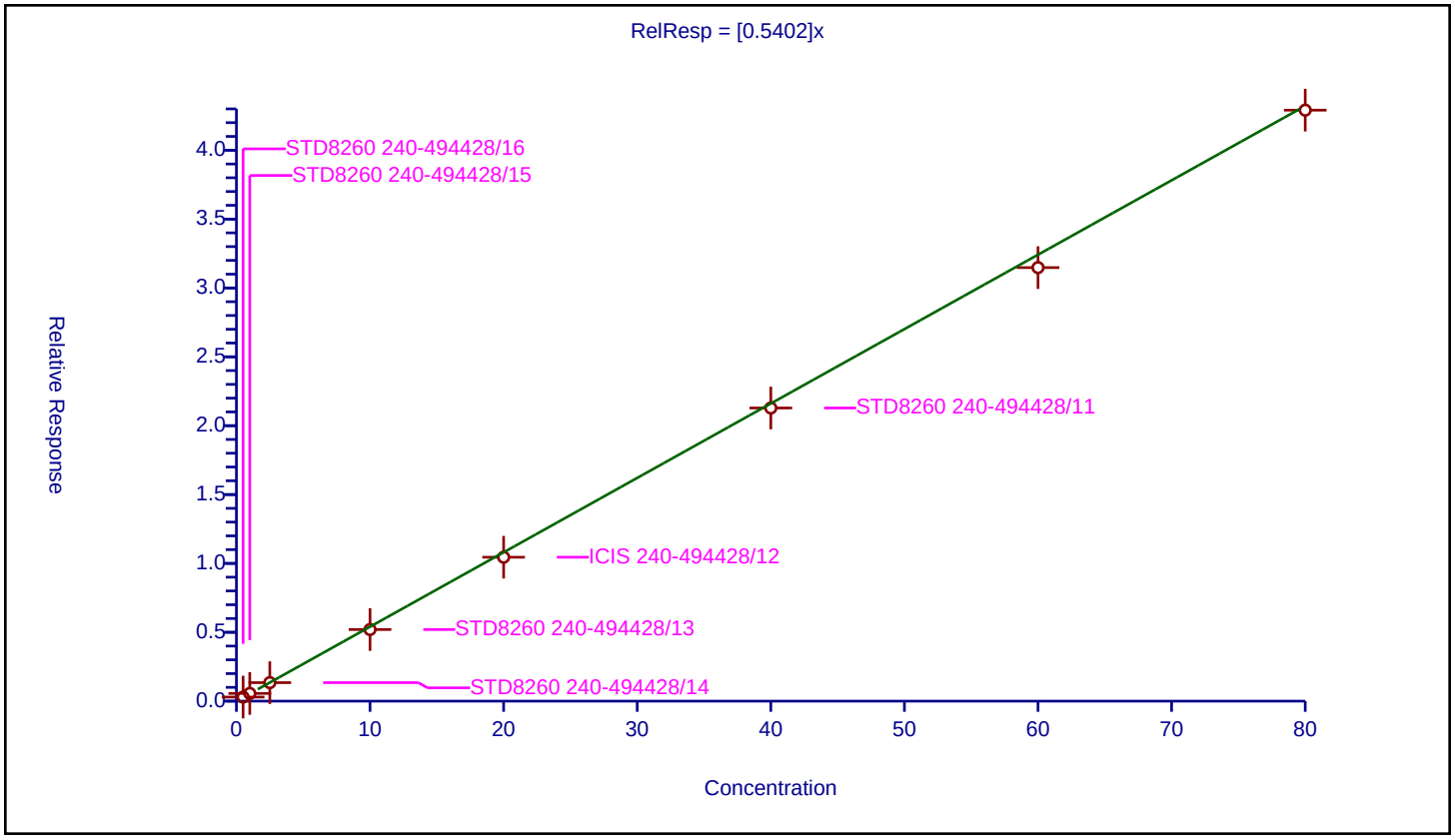
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

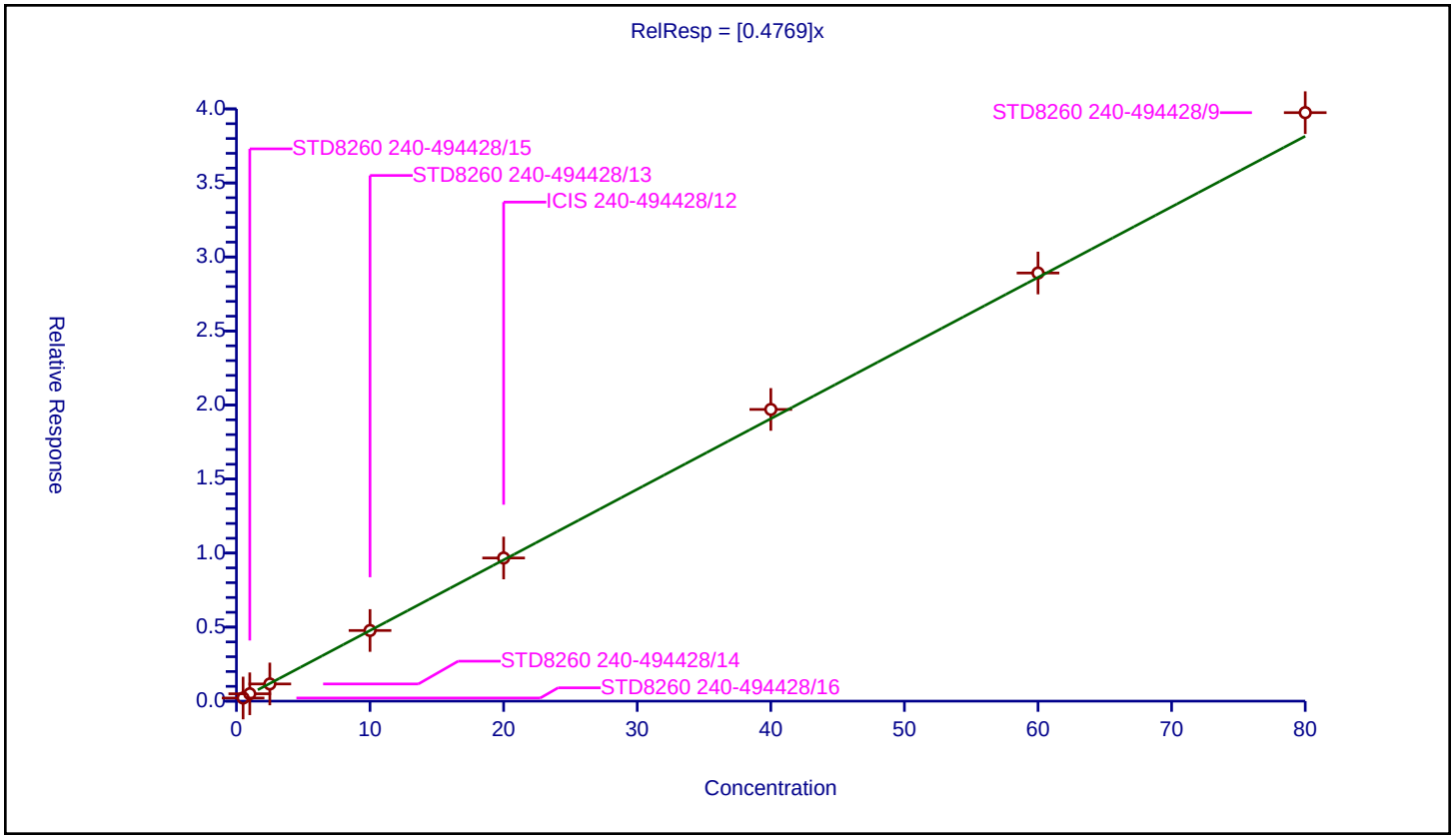
Curve Coefficients

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

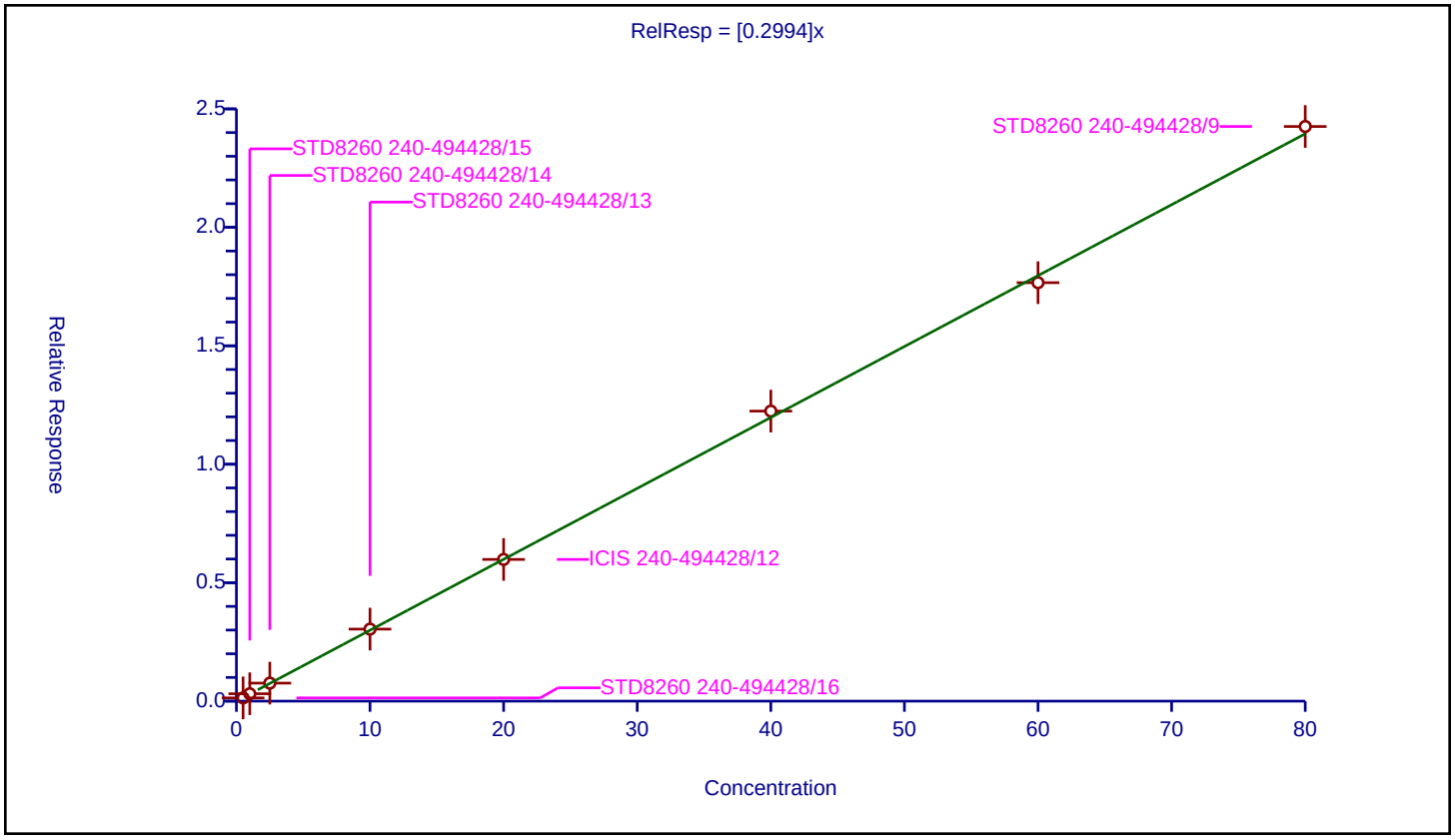
Curve Coefficients

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

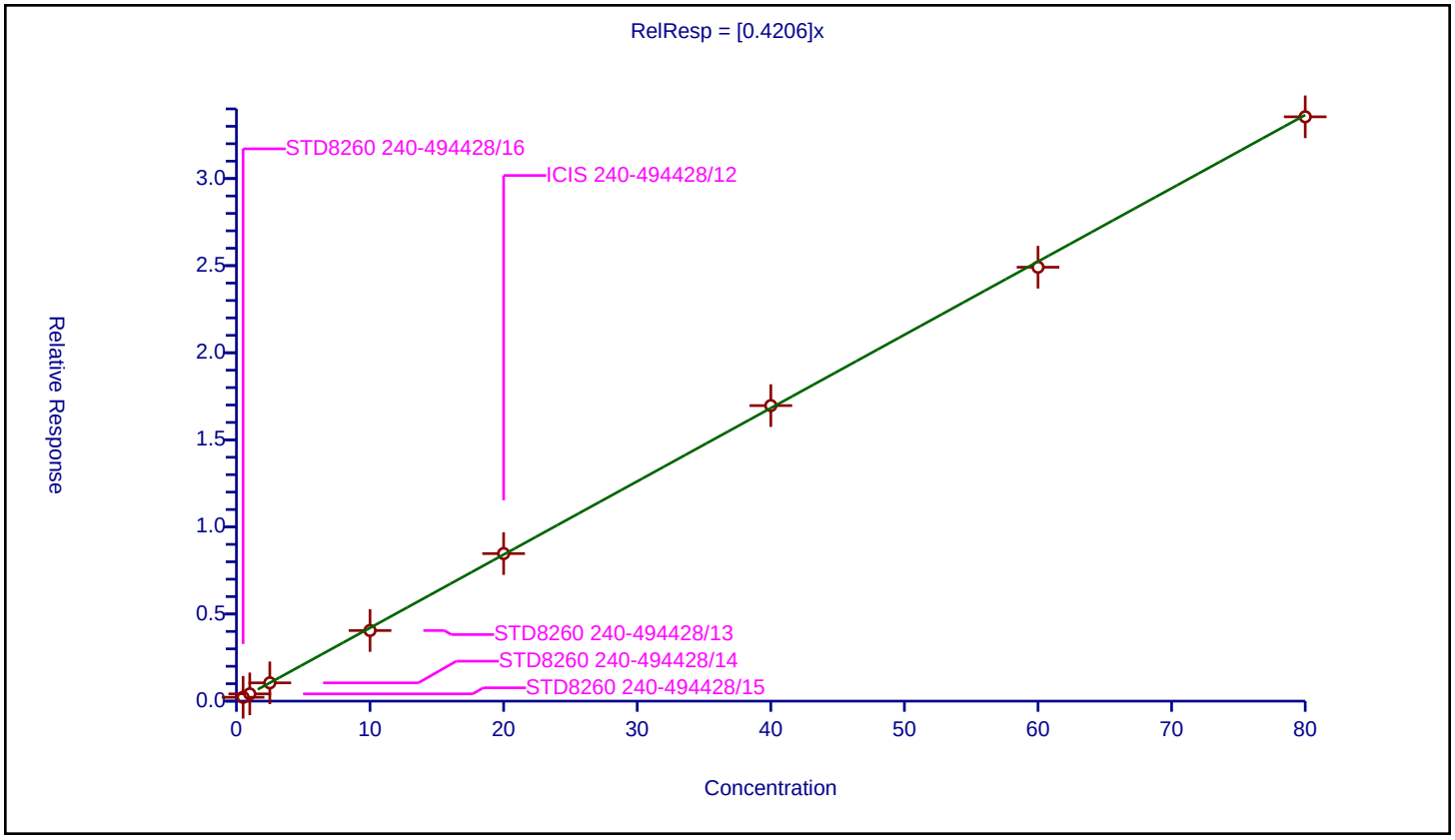
Curve Coefficients

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

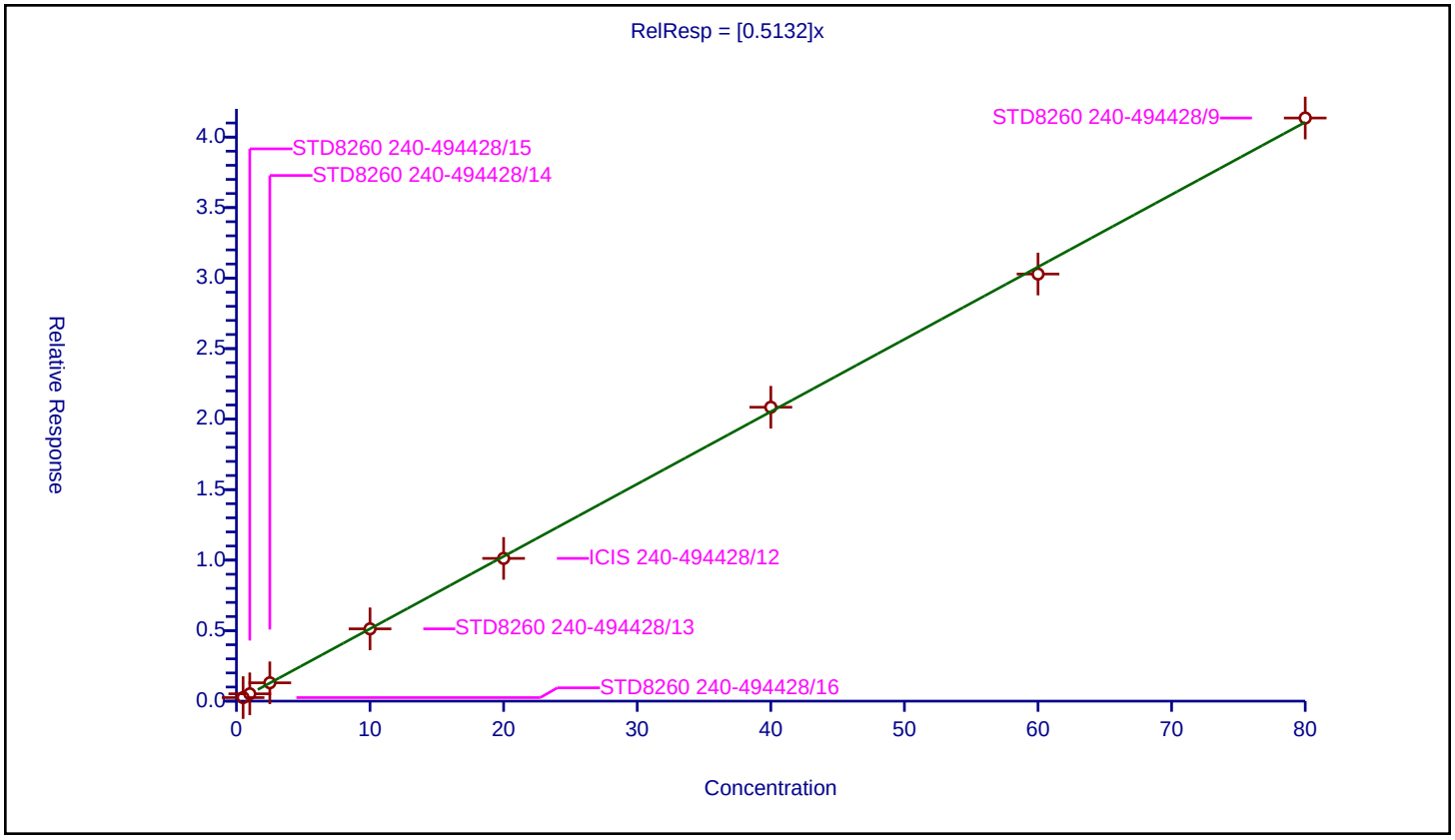
Curve Coefficients

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

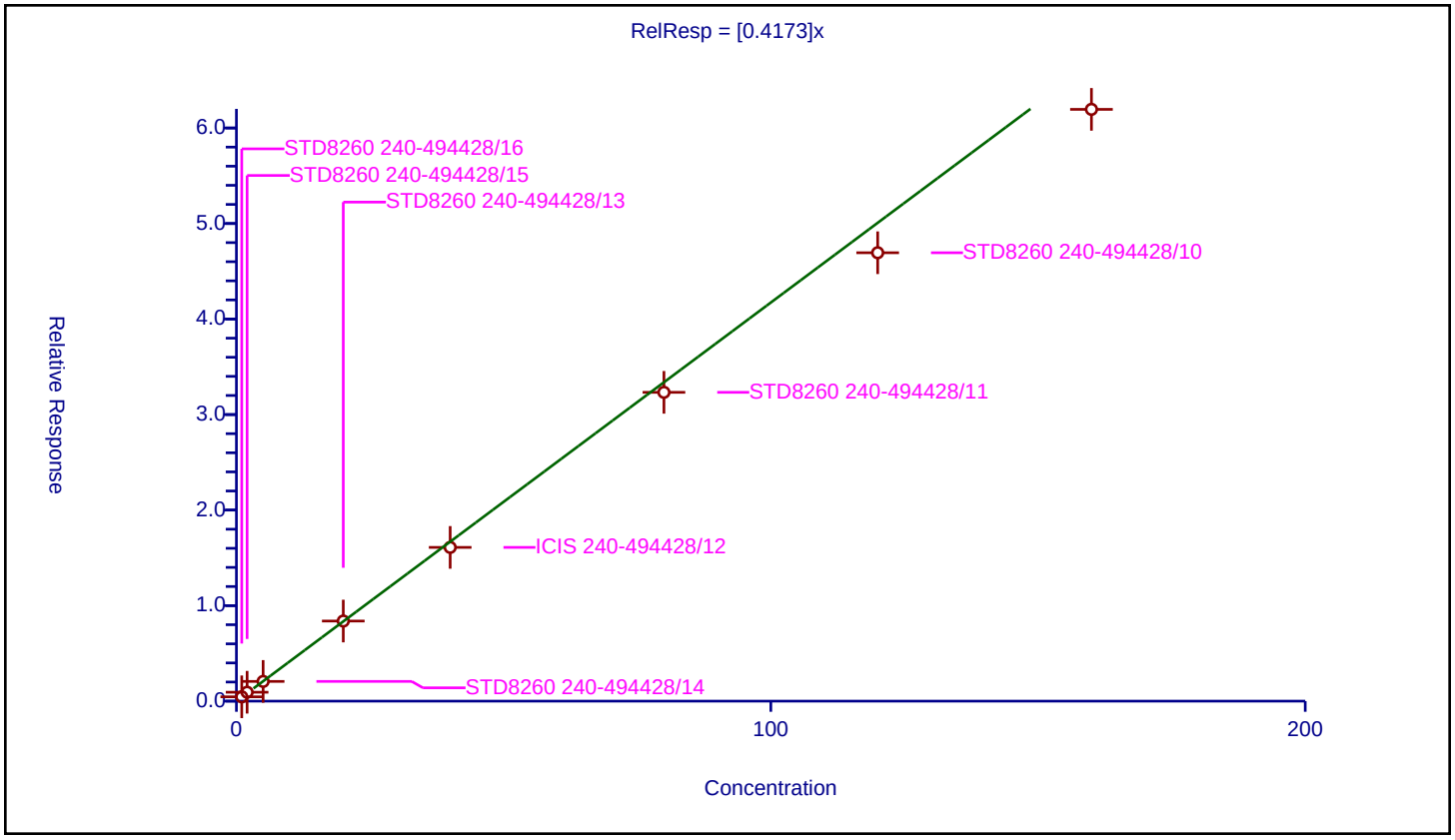
Curve Coefficients

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

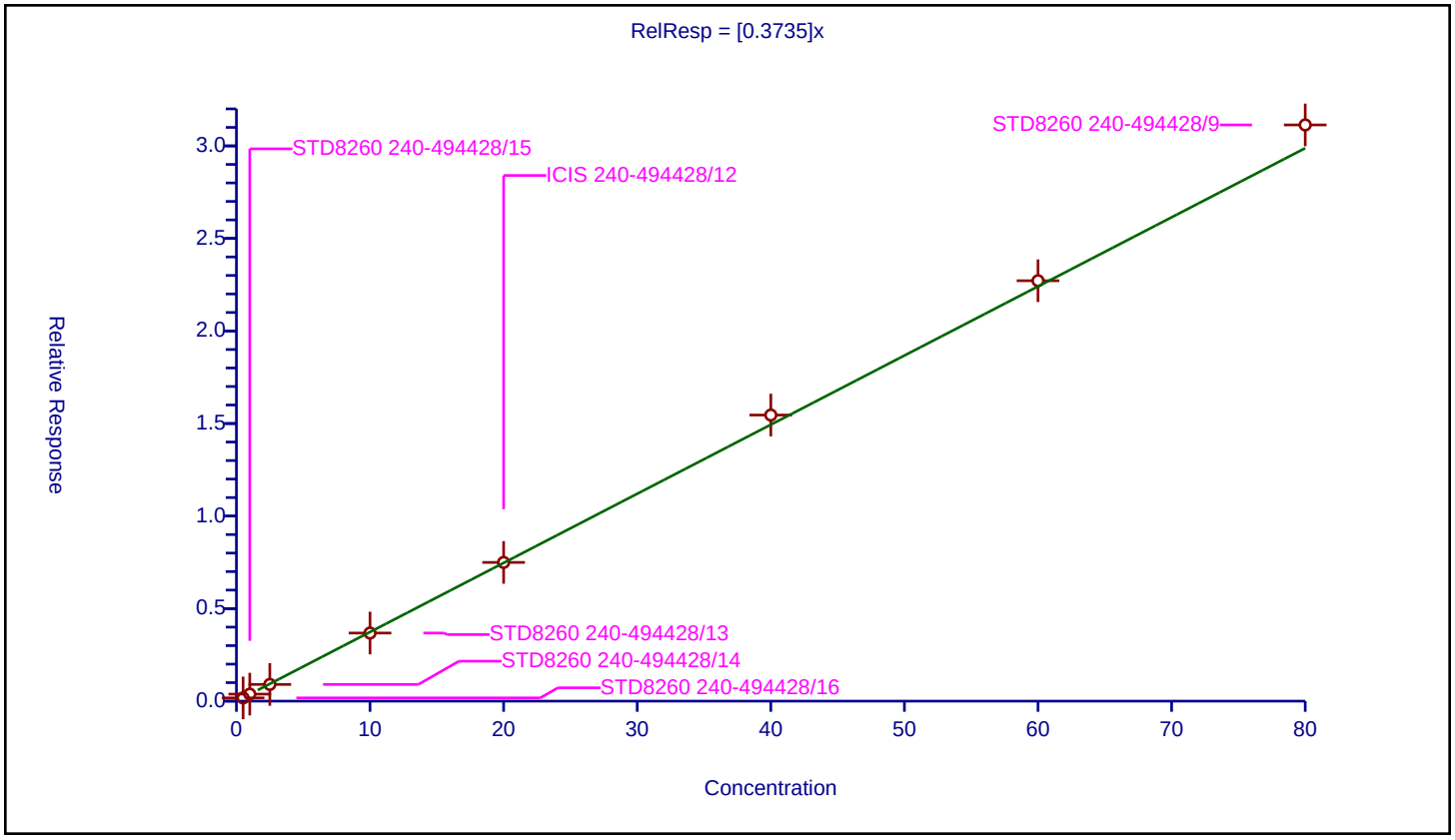
Curve Coefficients

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

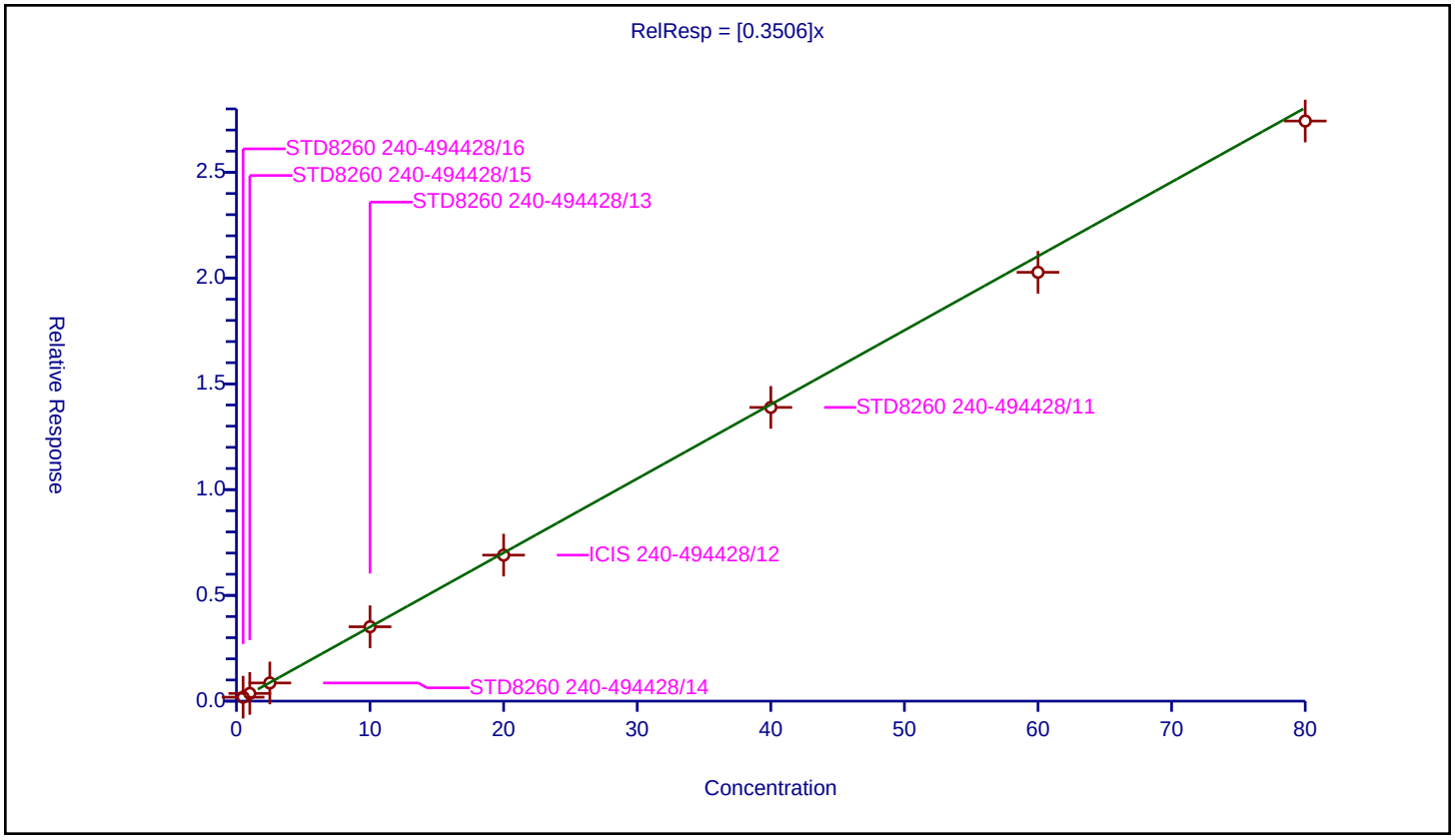
Curve Coefficients

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

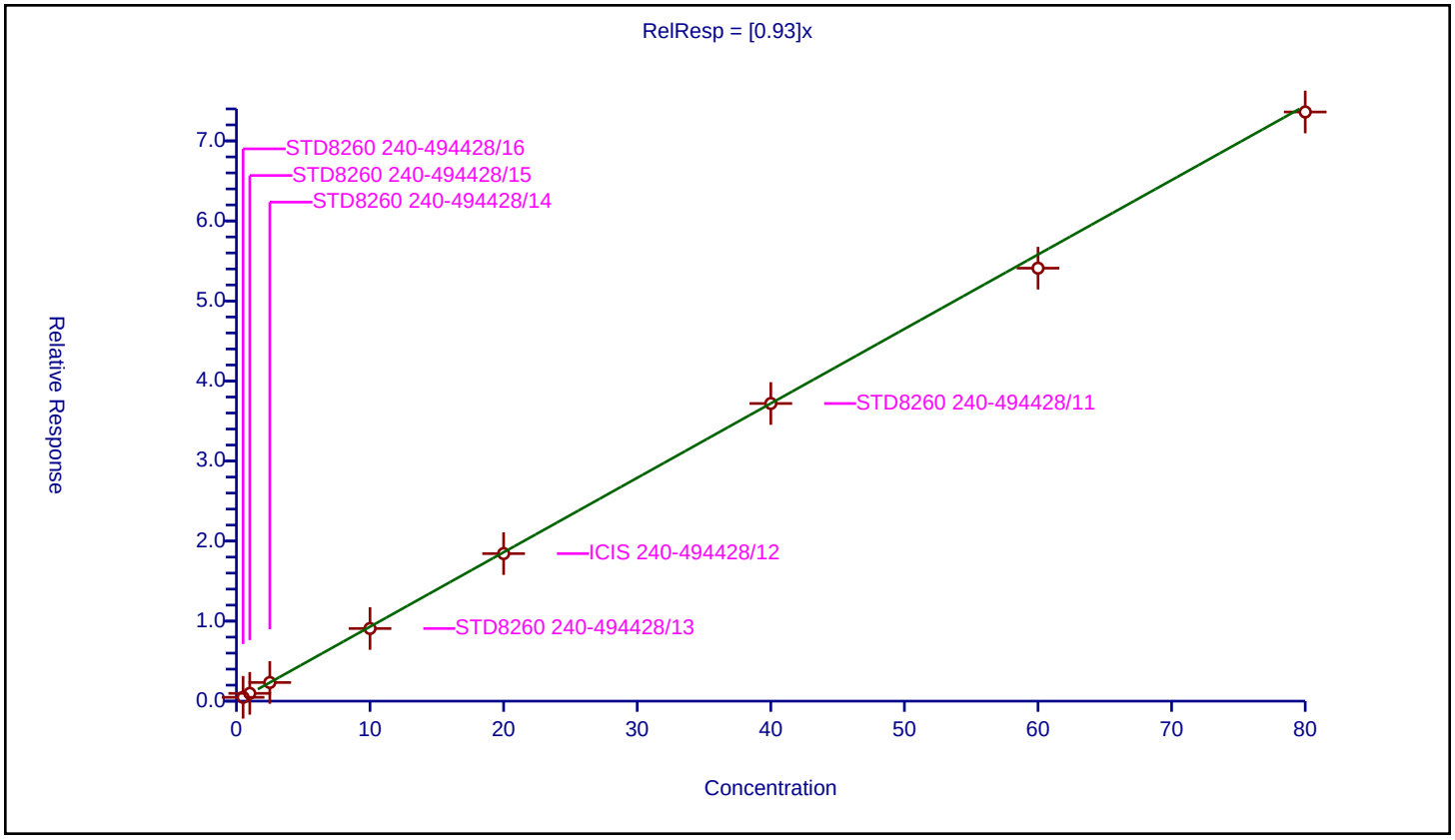
Curve Coefficients

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



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

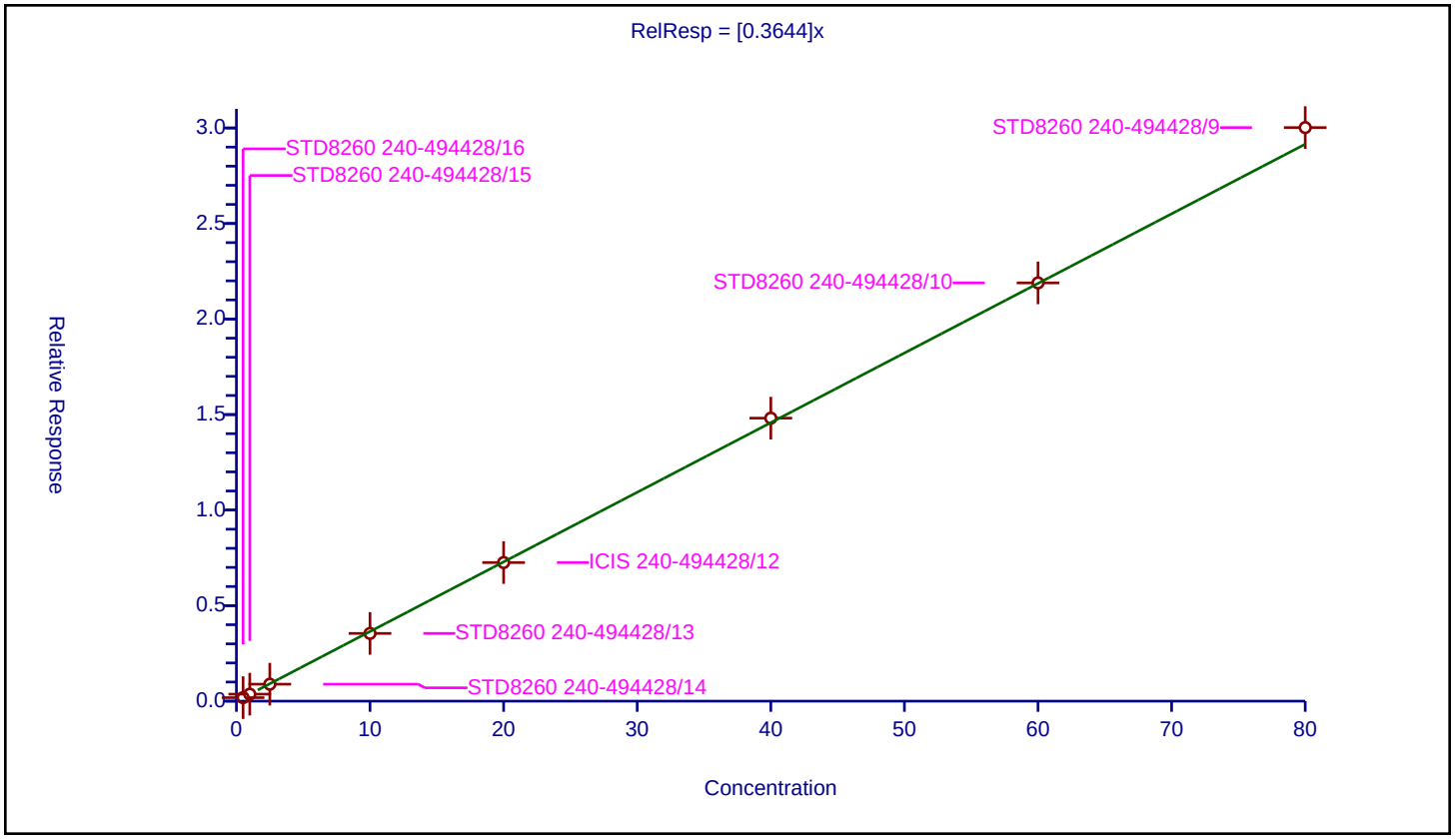
Curve Coefficients

Intercept:	0
Slope:	0.3644

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

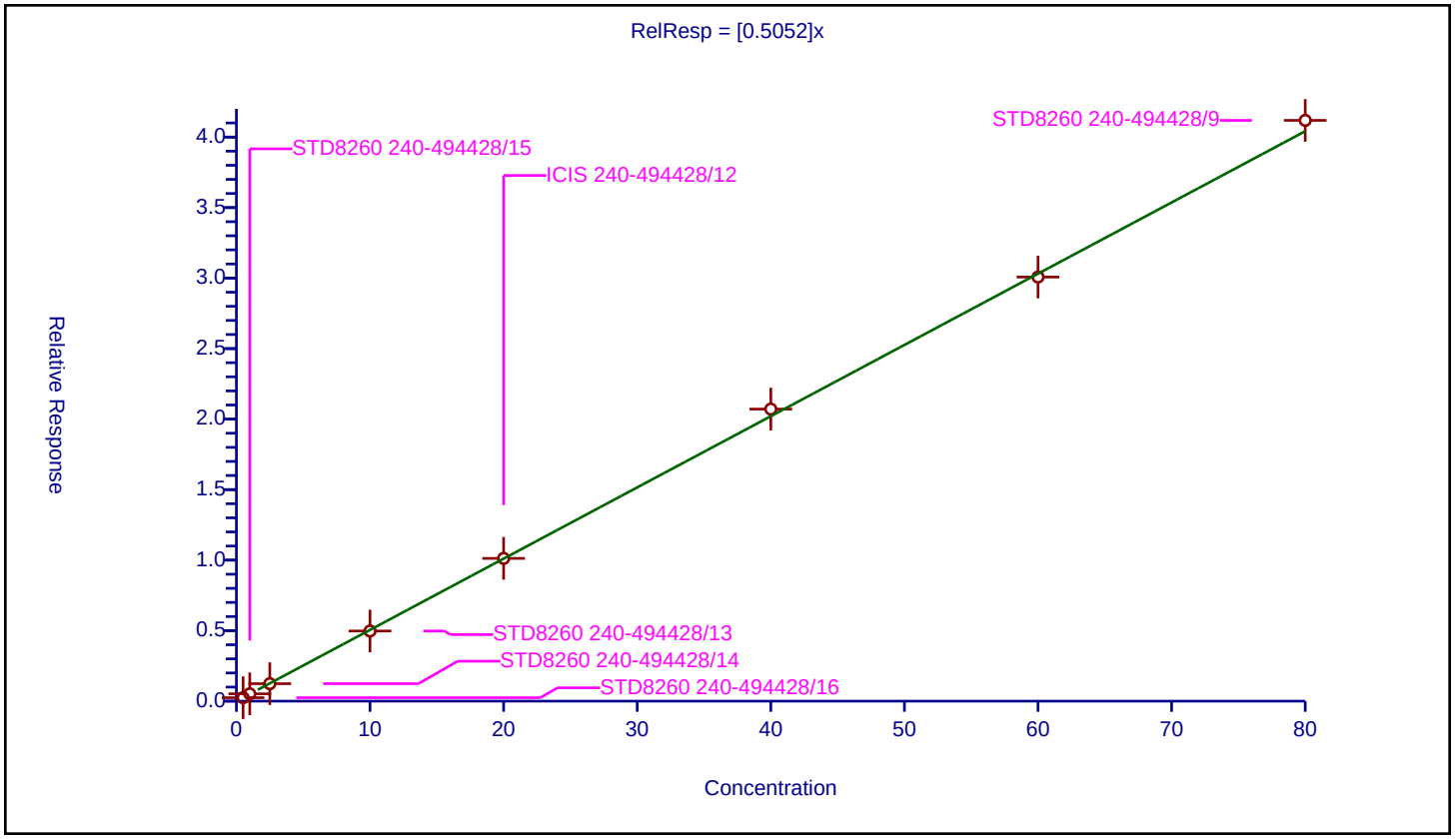
Curve Coefficients

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

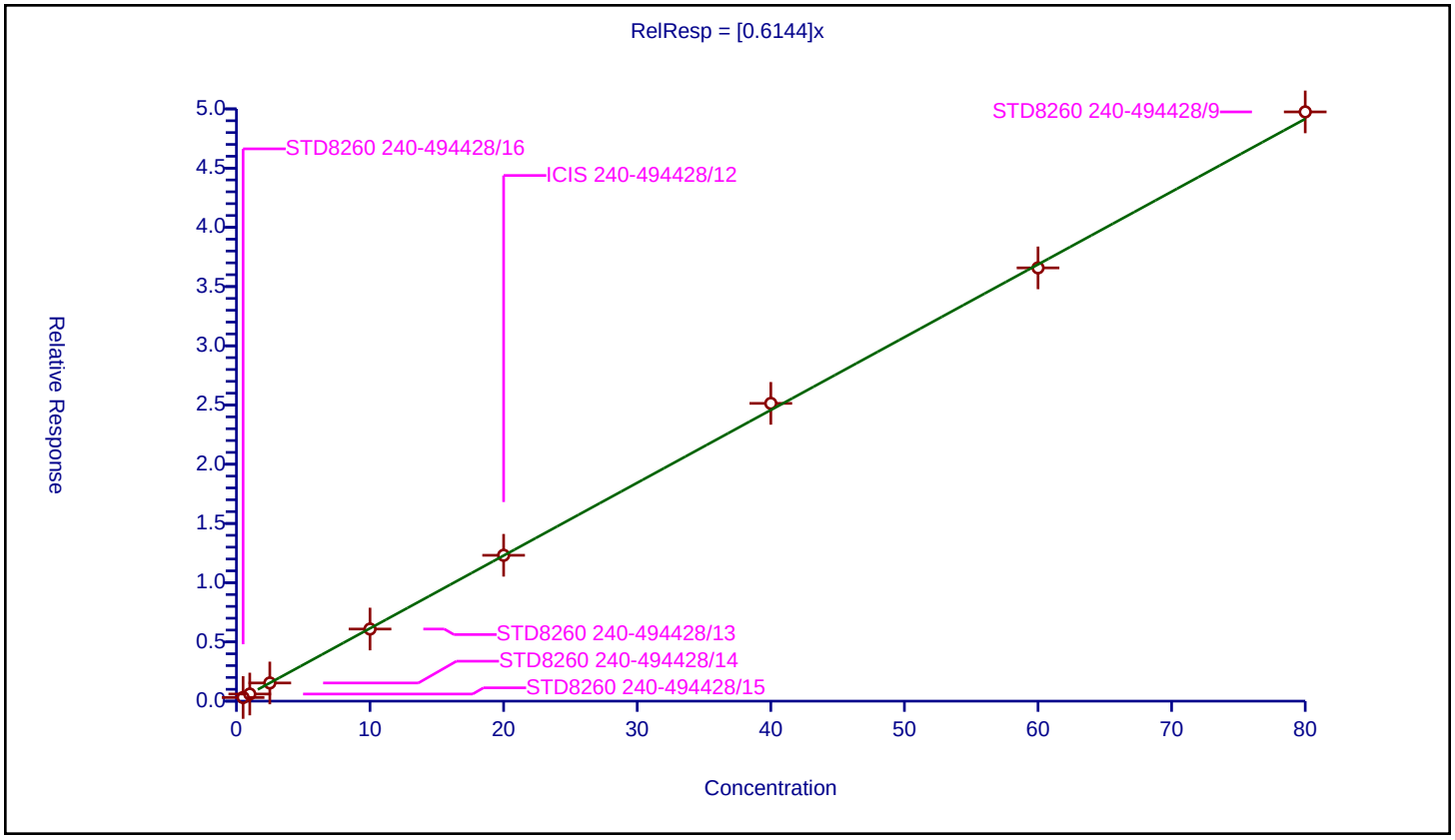
Curve Coefficients

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

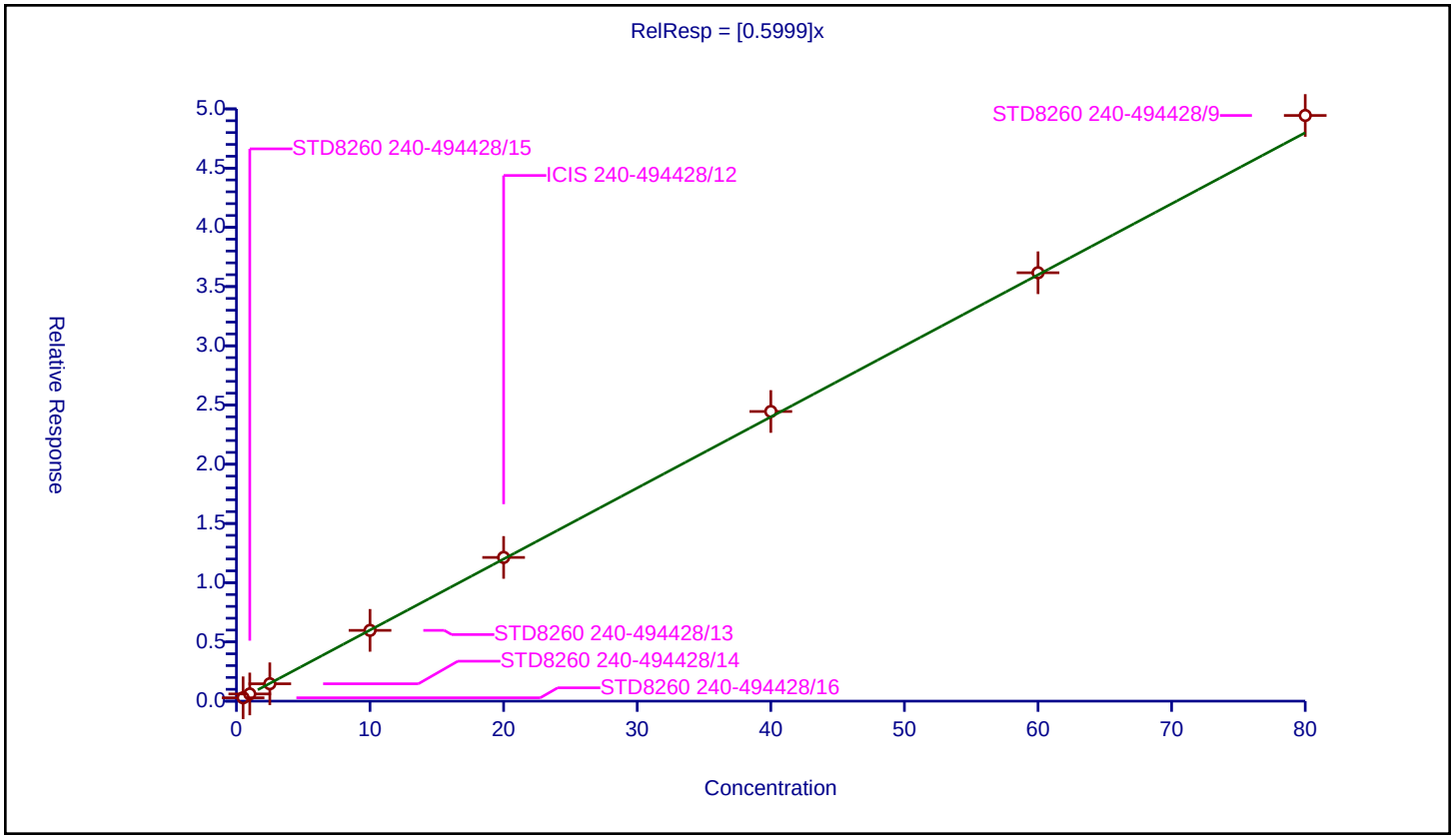
Curve Coefficients

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

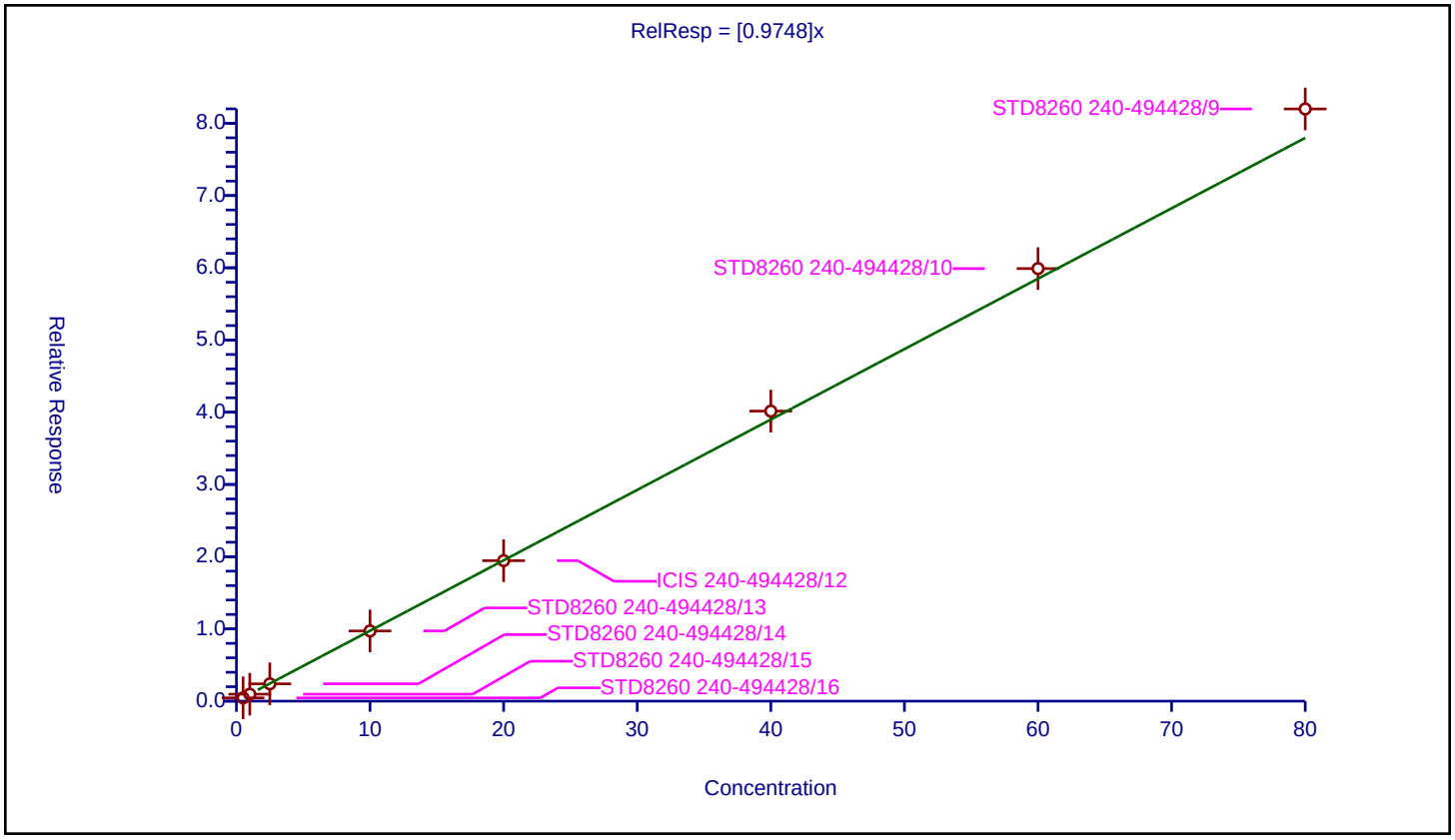
Curve Coefficients

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

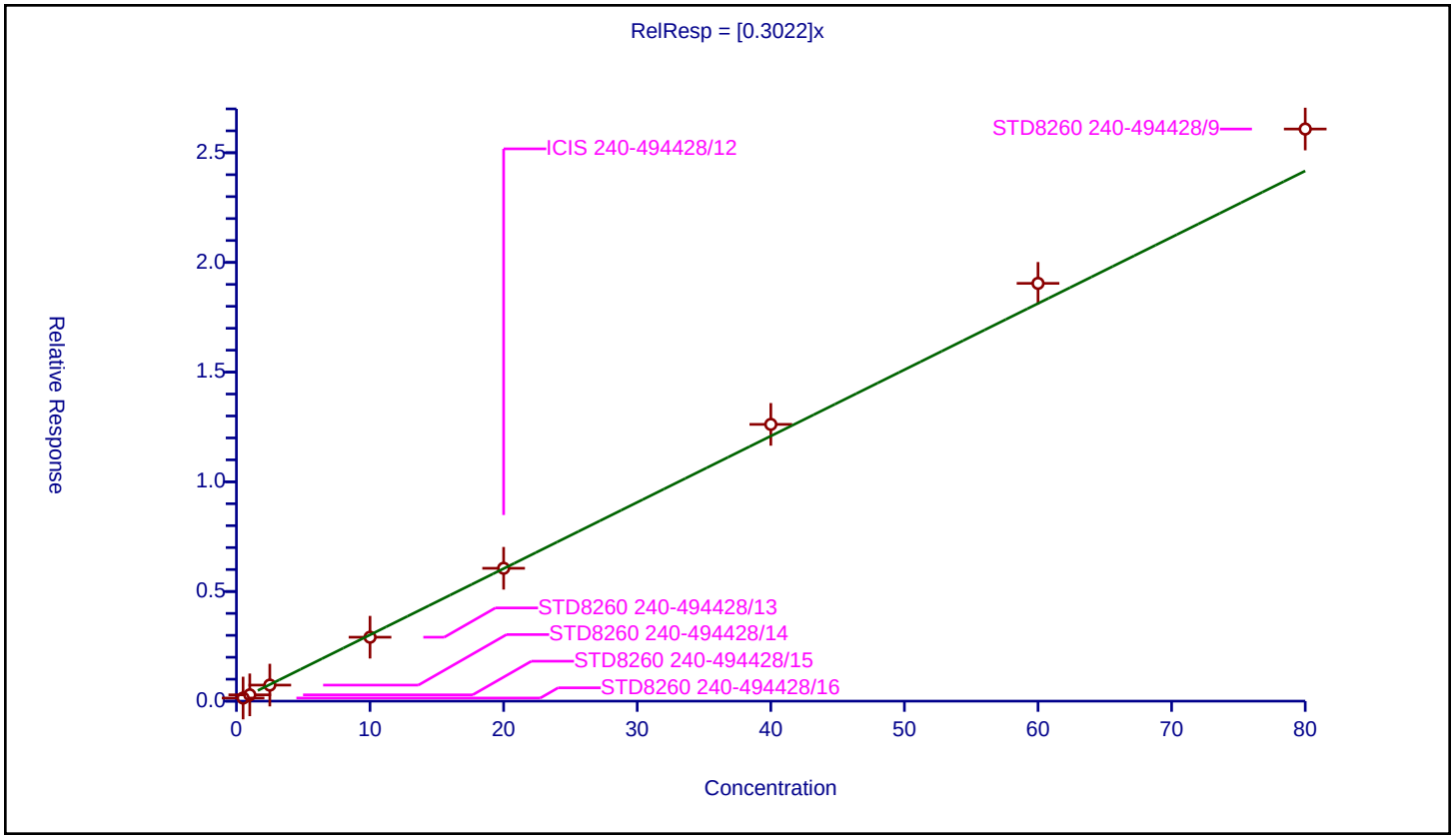
Curve Coefficients

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

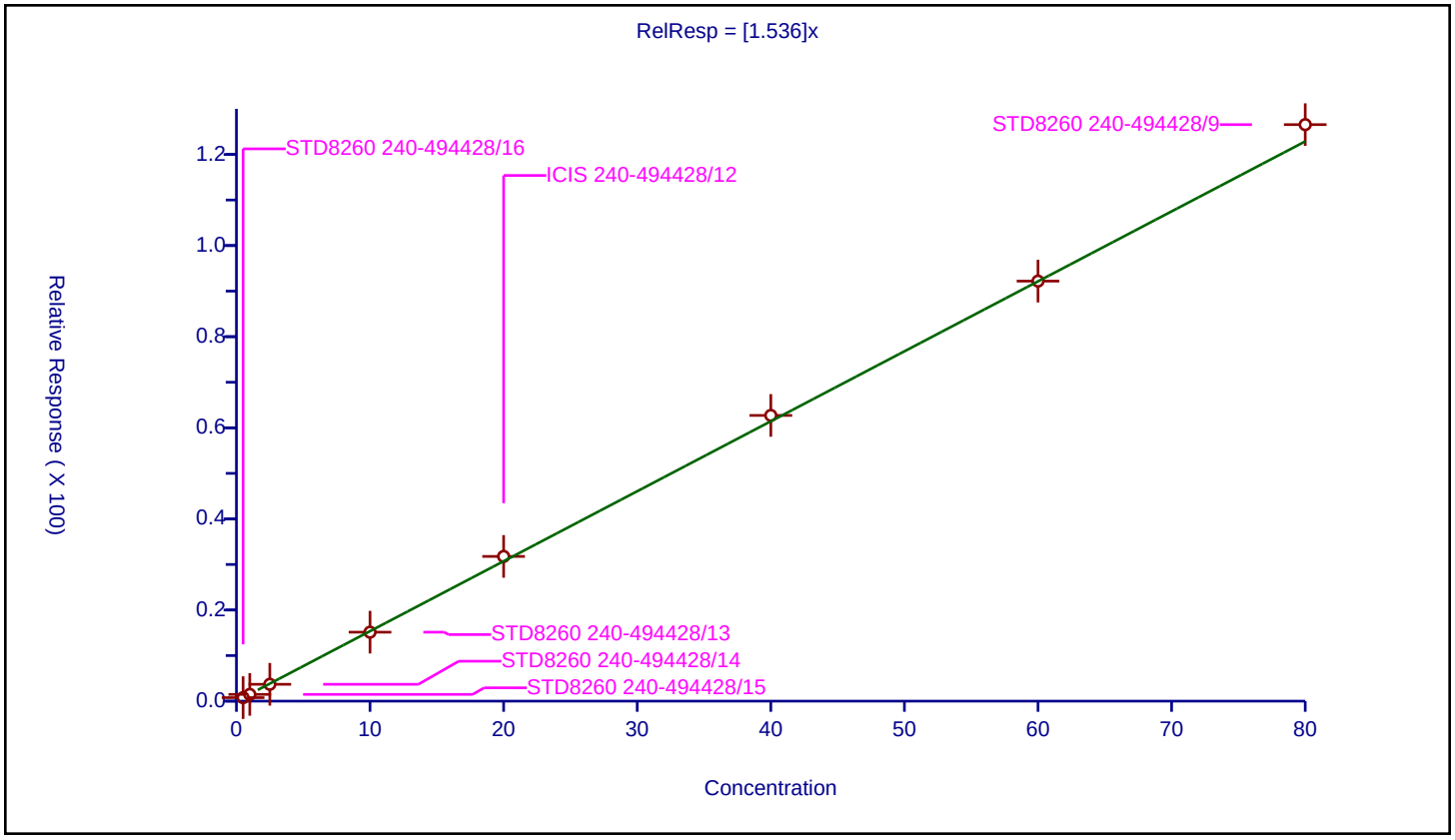
Curve Coefficients

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

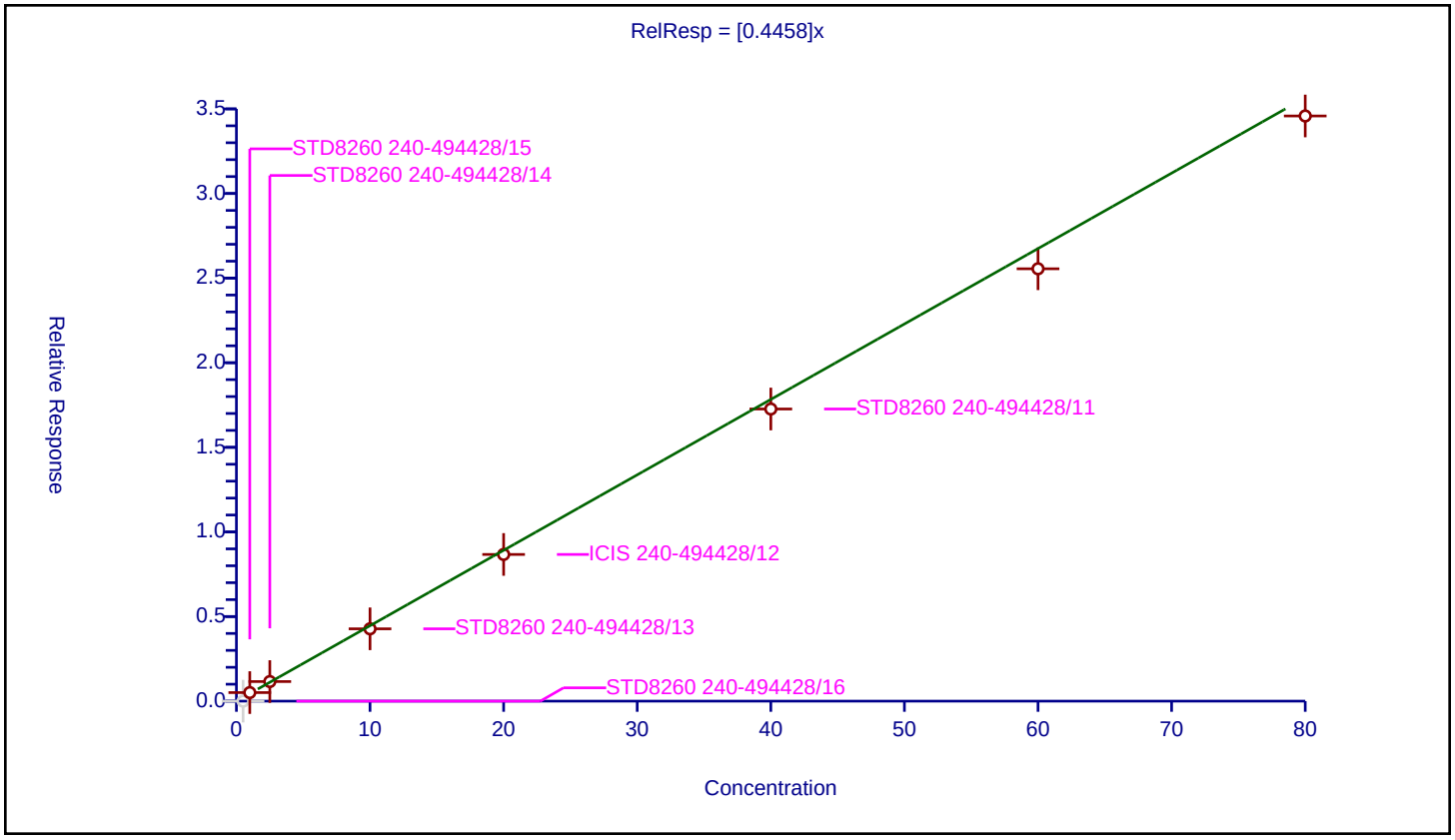
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

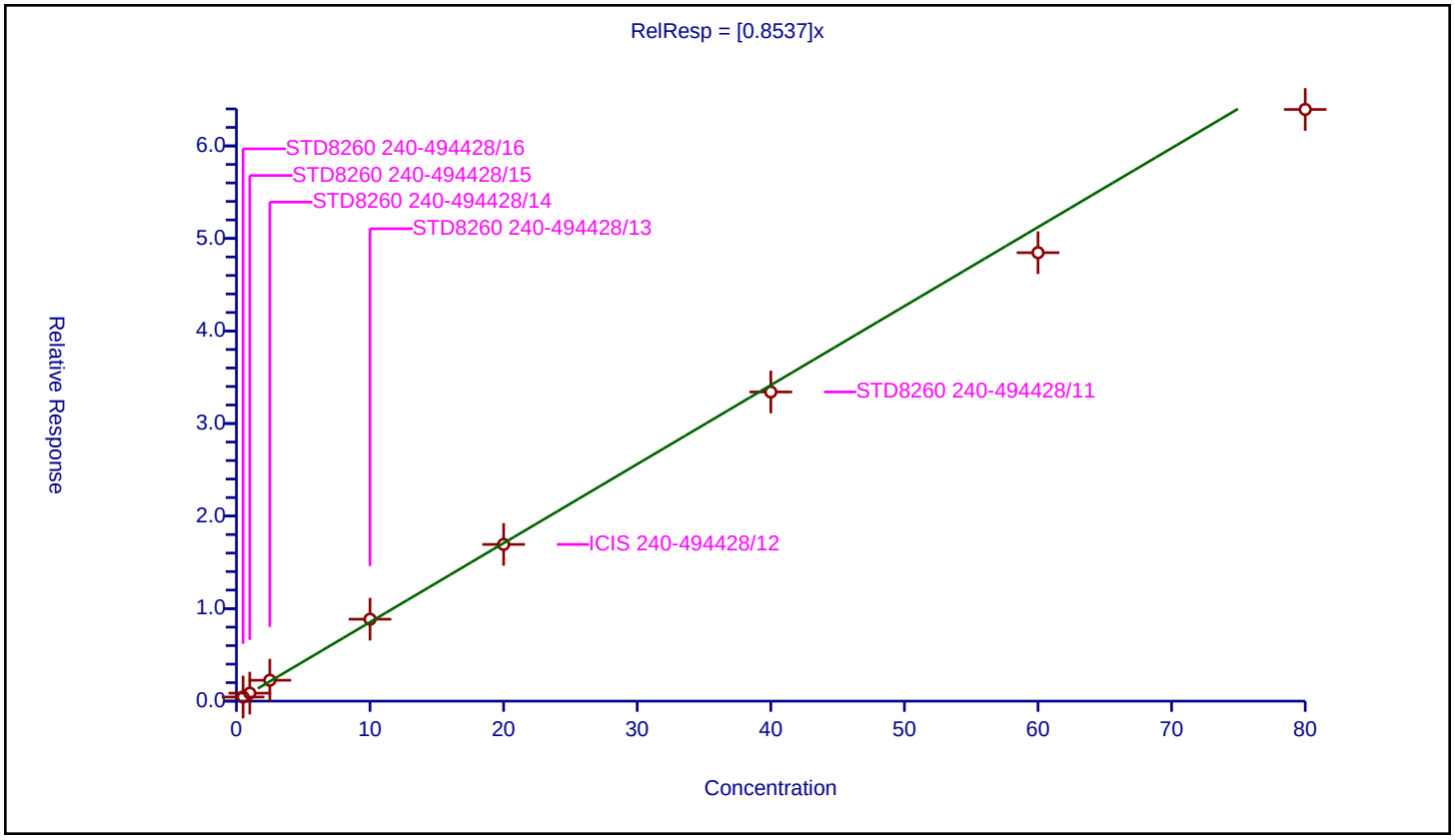
Curve Coefficients

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

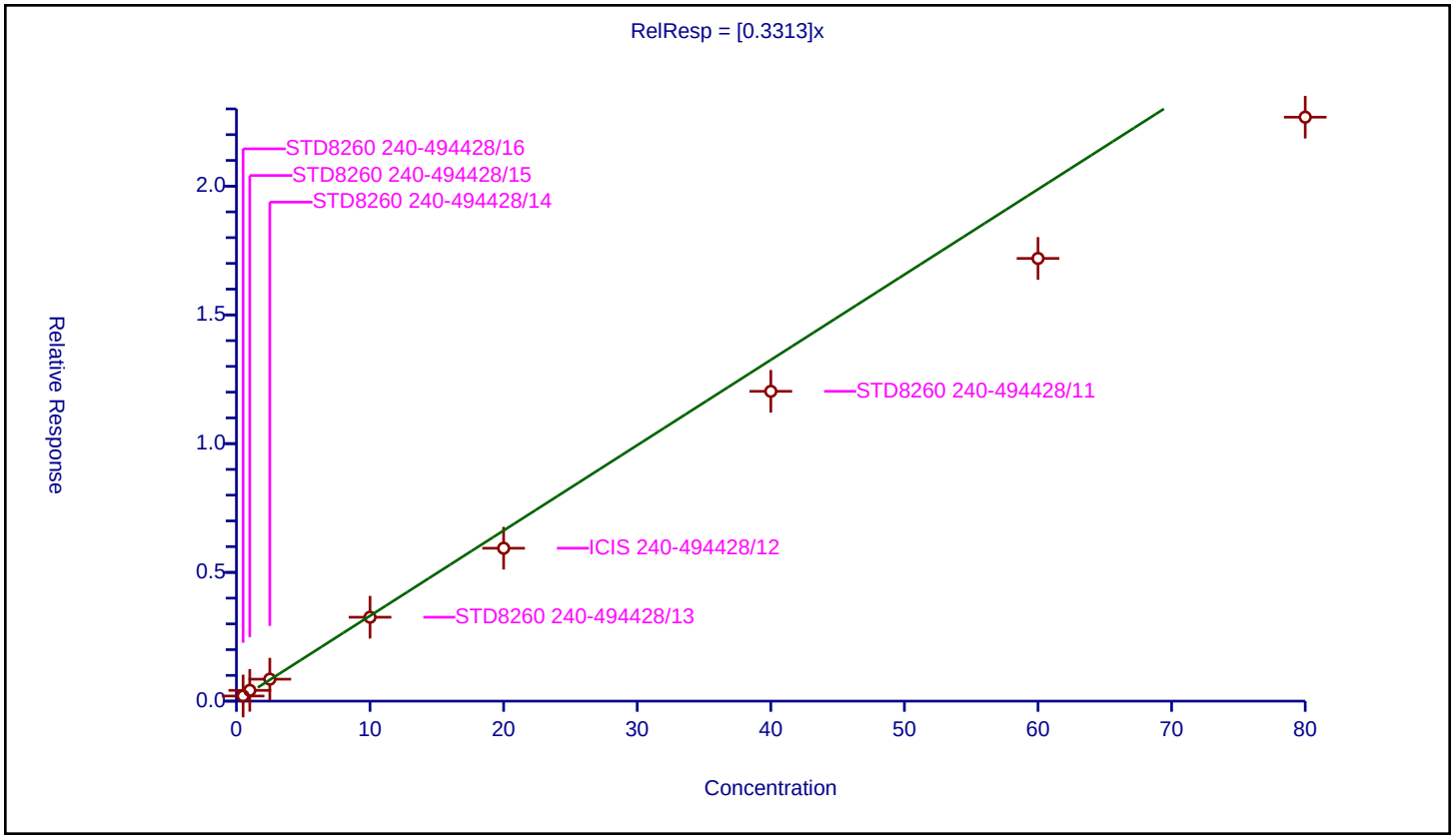
Curve Coefficients

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



Calibration / 1,2,3-Trichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

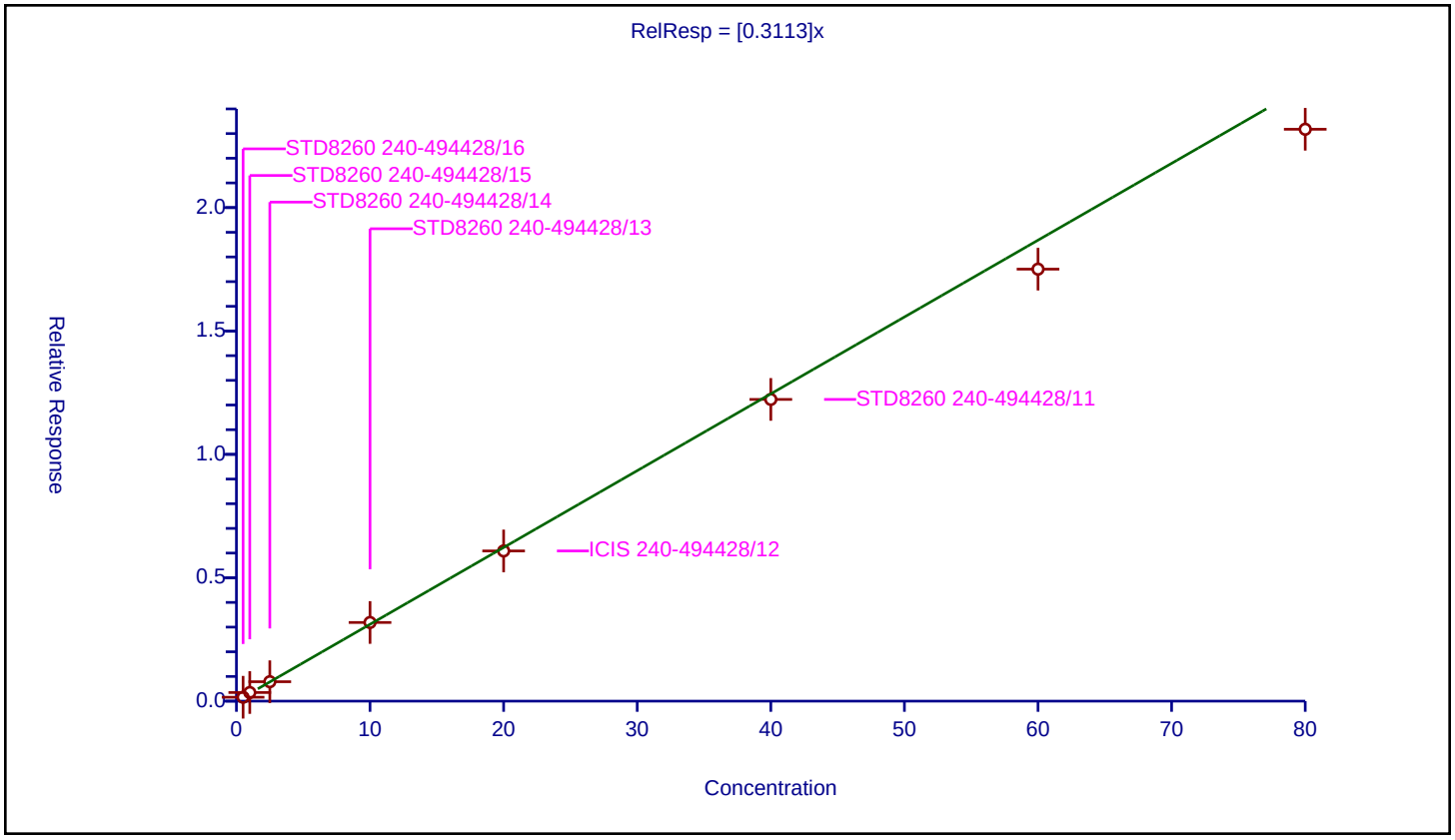
Curve Coefficients

Intercept:	0
Slope:	0.3113

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

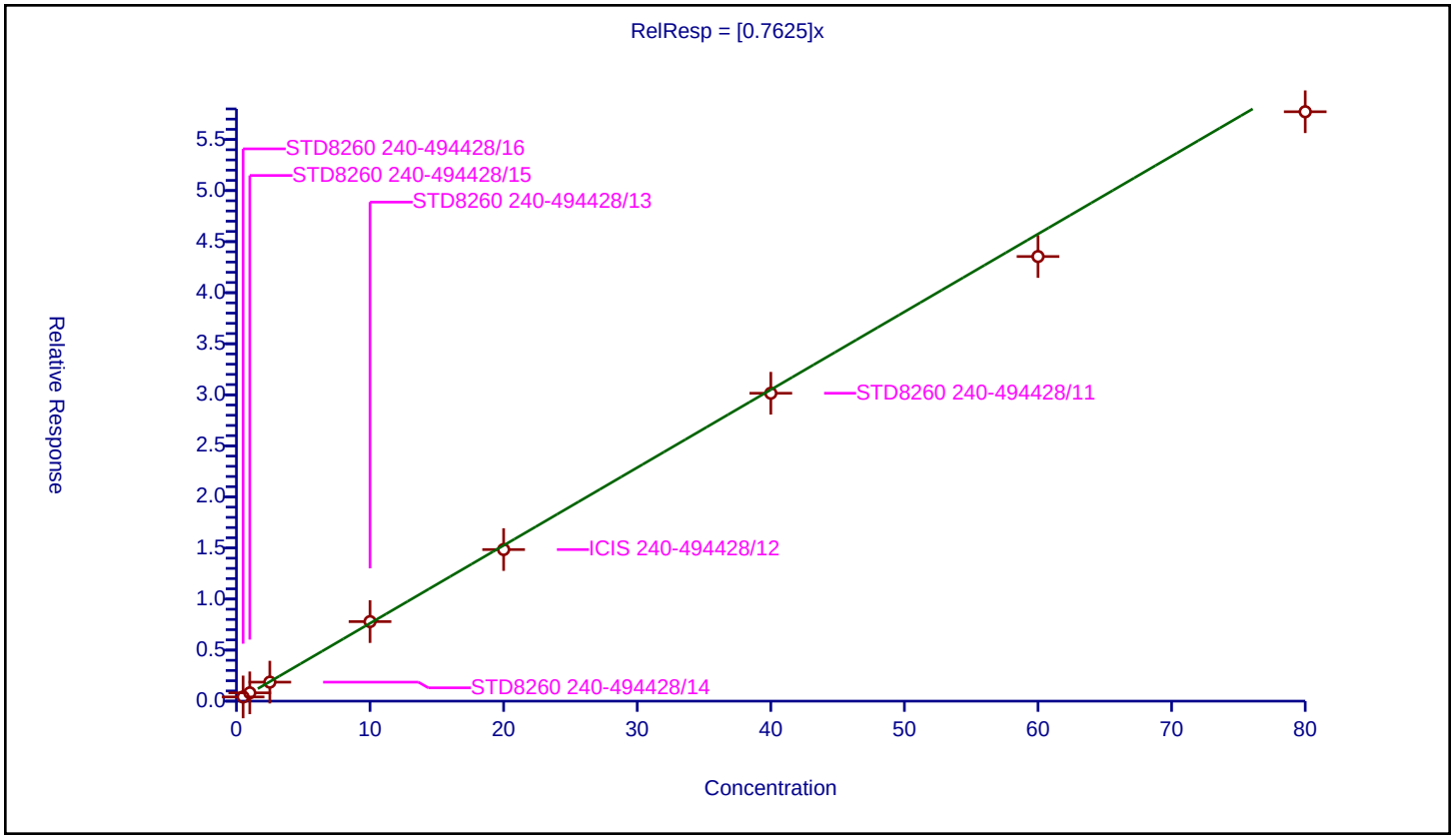
Curve Coefficients

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

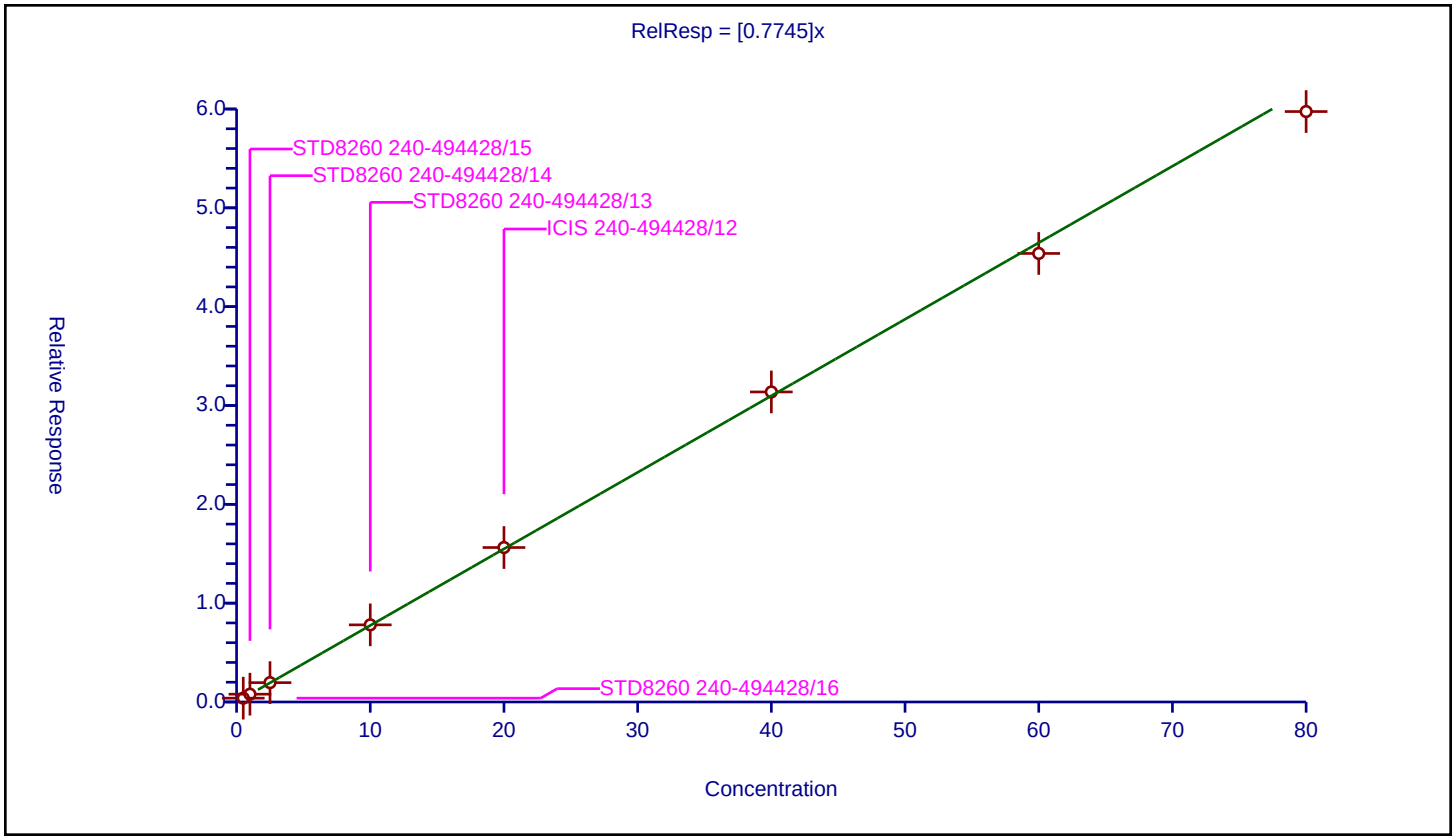
Curve Coefficients

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

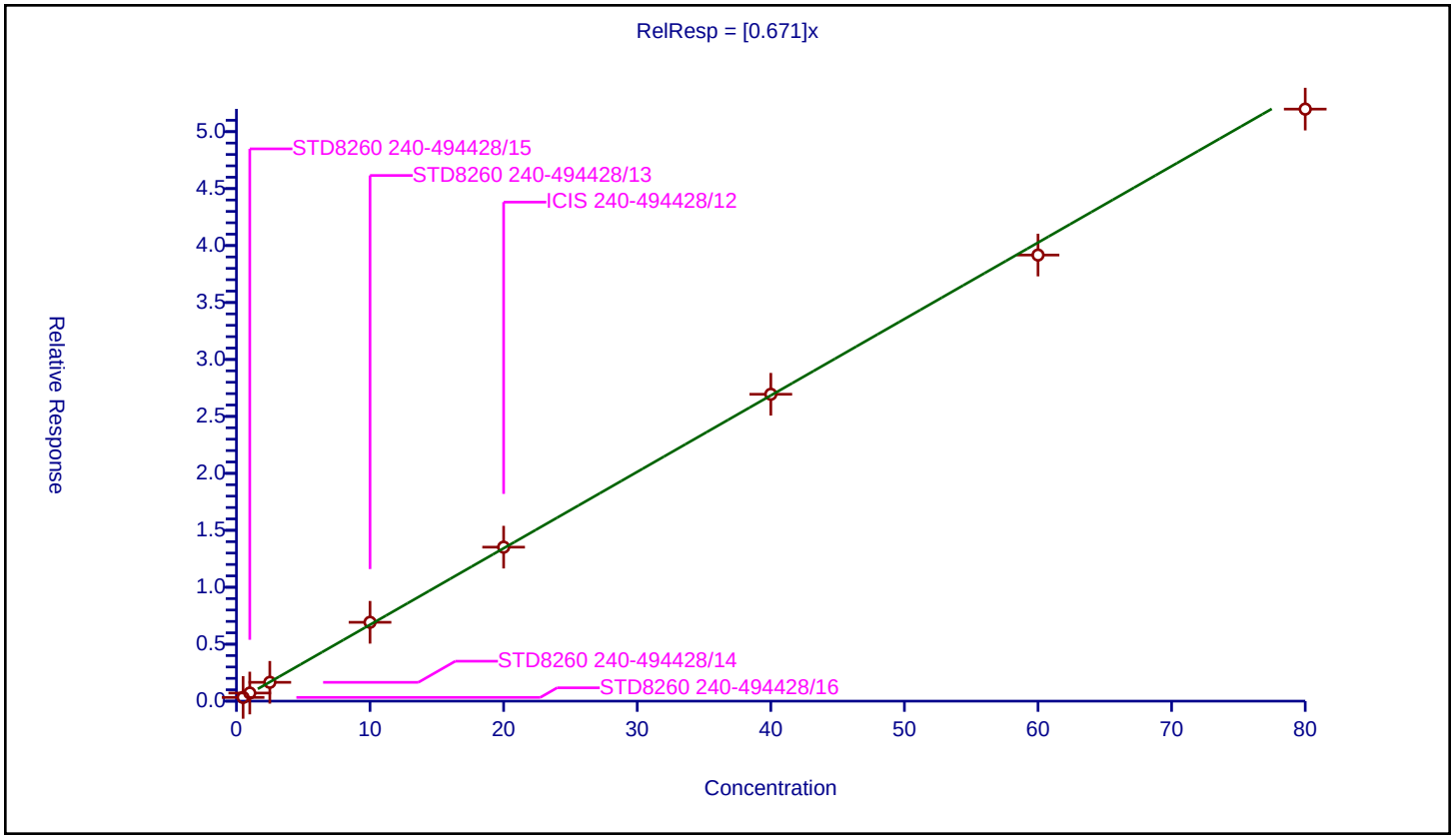
Curve Coefficients

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

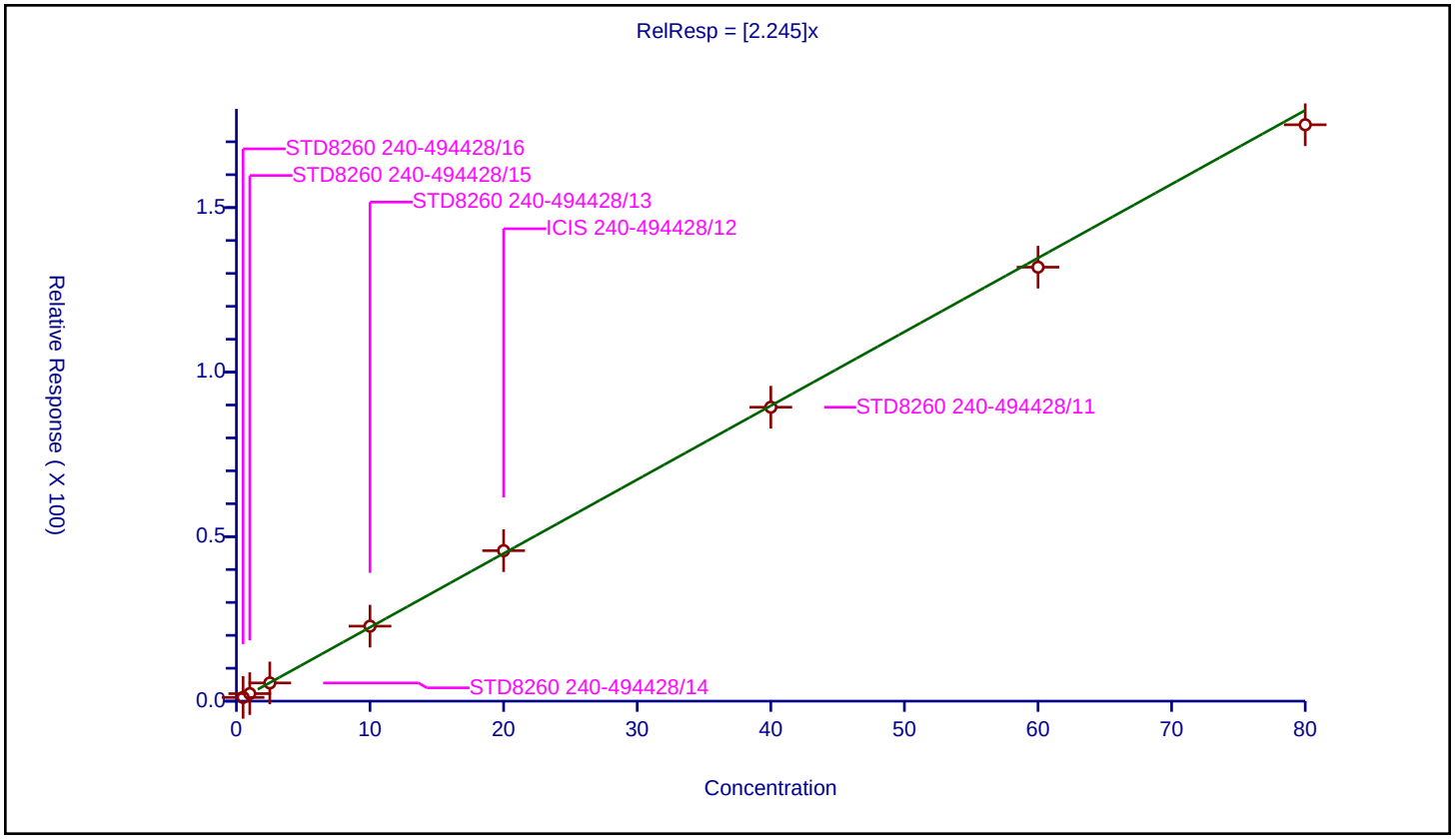
Curve Coefficients

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

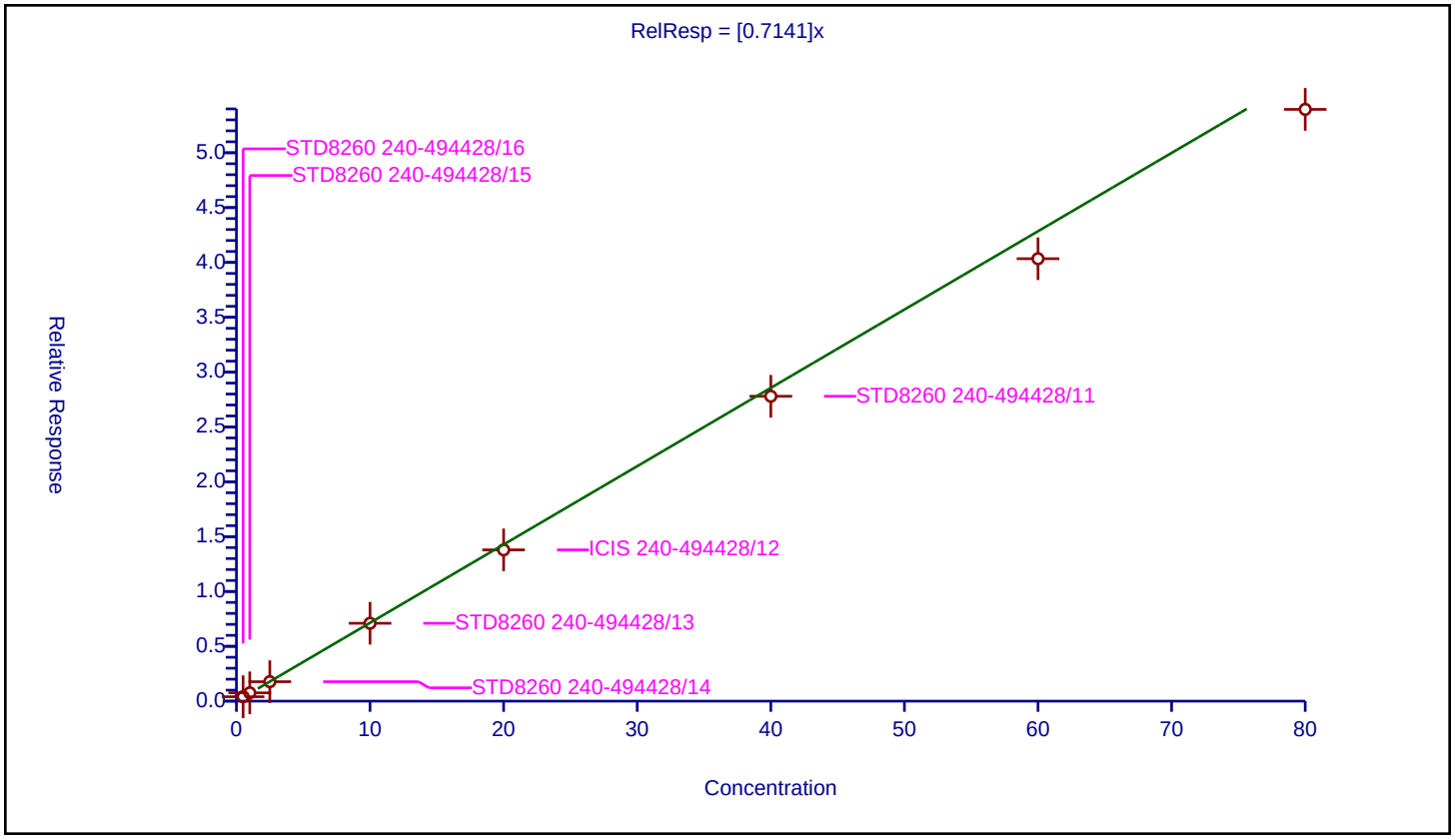
Curve Coefficients

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

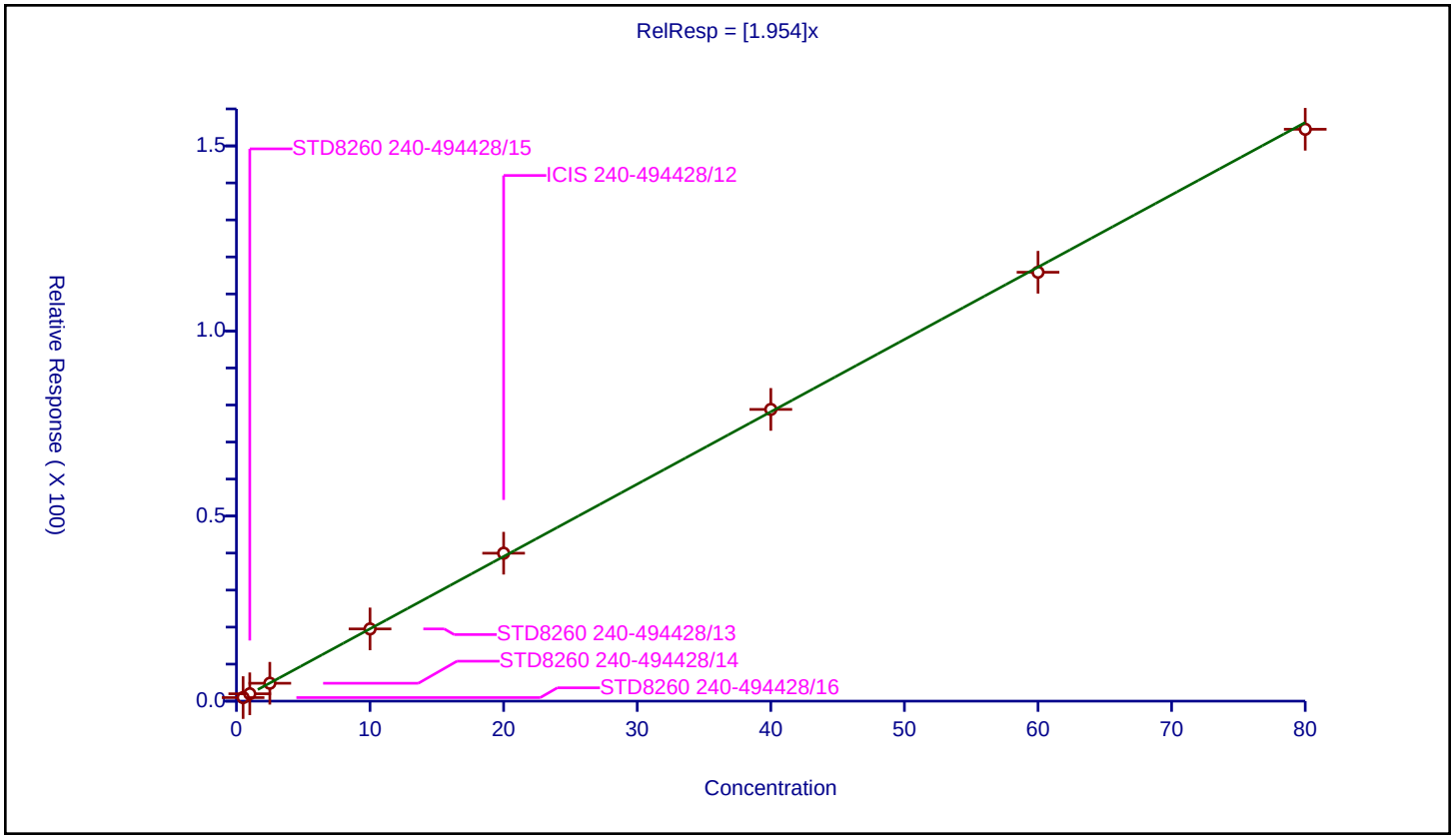
Curve Coefficients

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

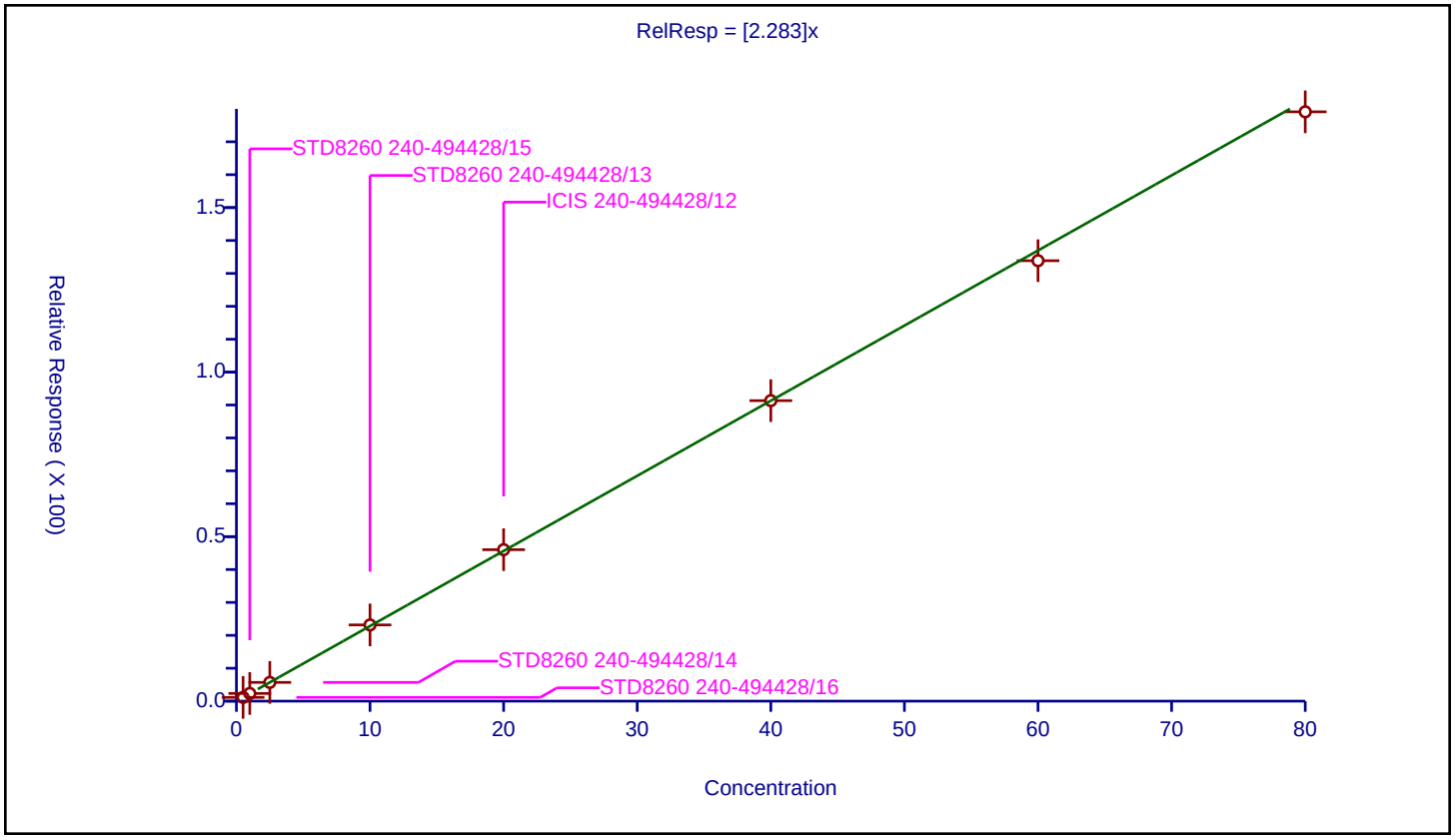
Curve Coefficients

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

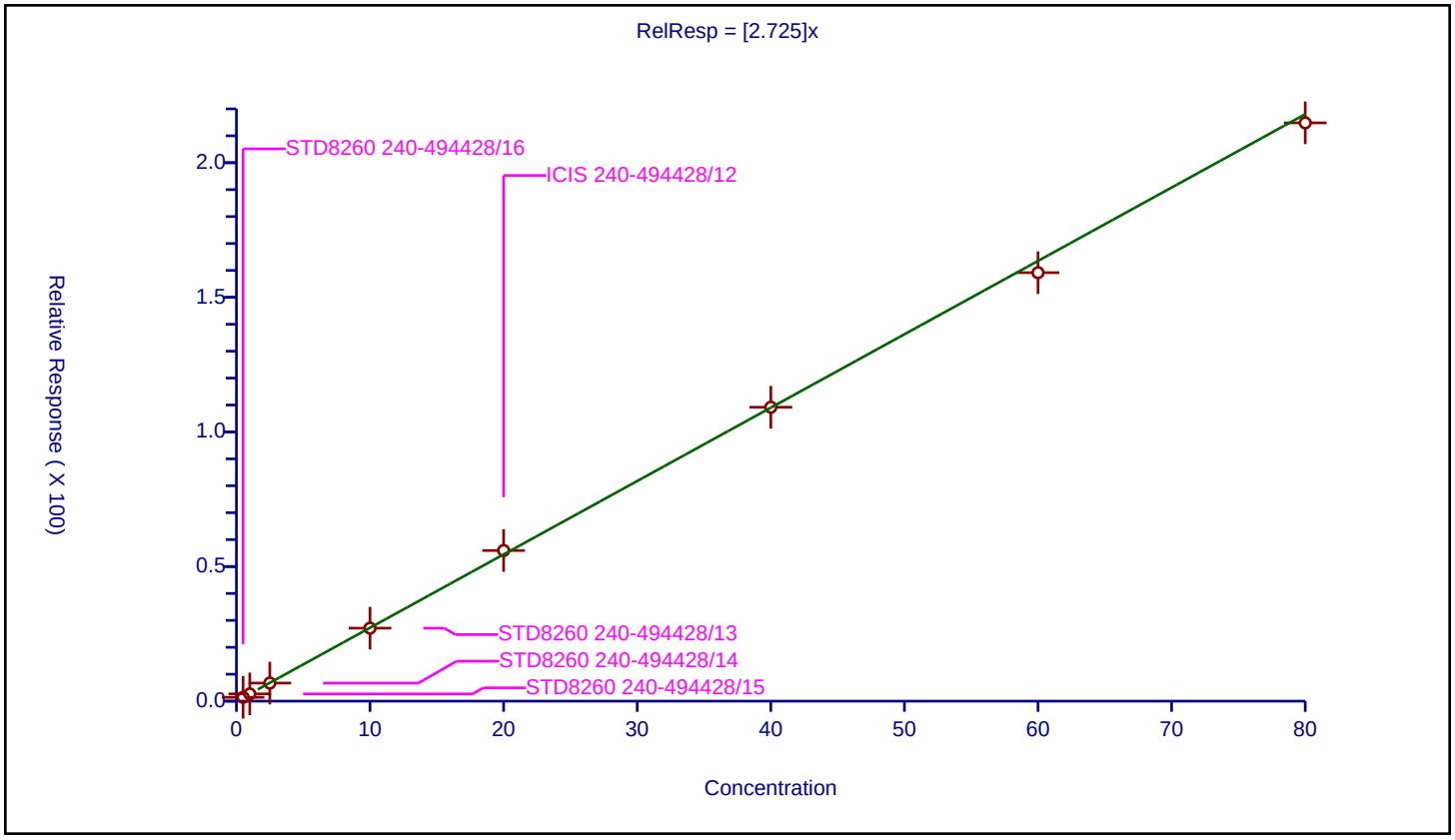
Curve Coefficients

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

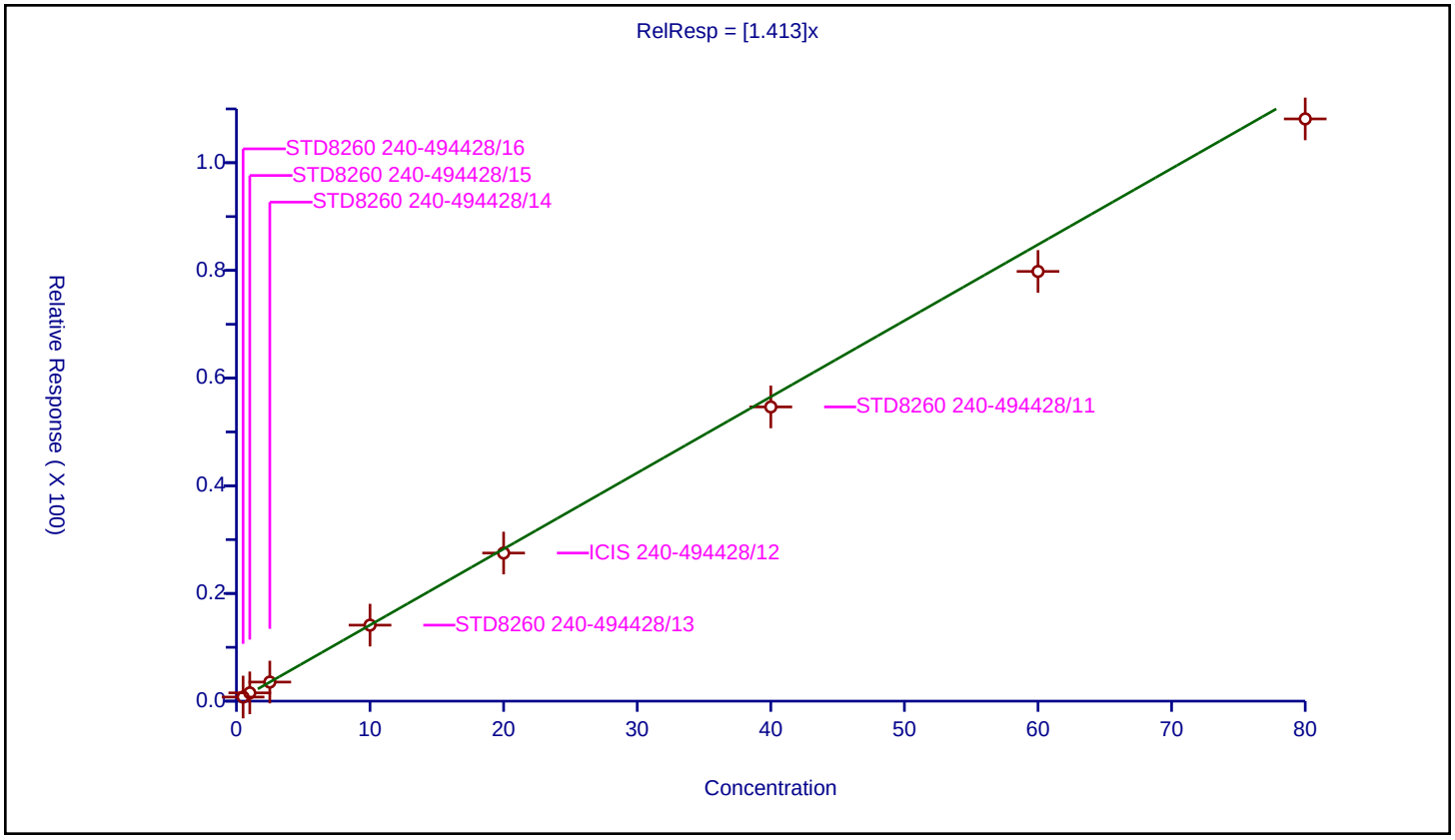
Curve Coefficients

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

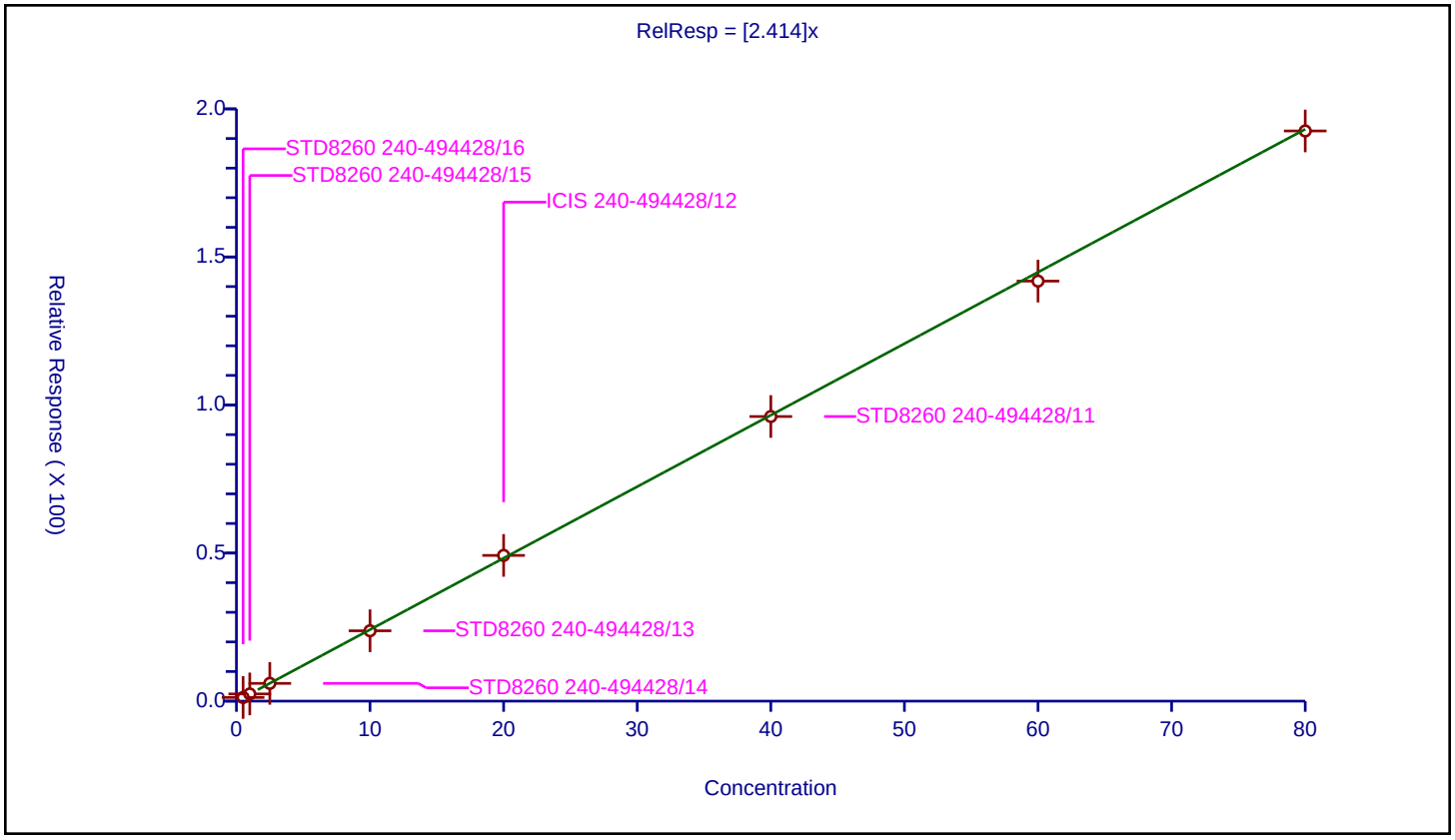
Curve Coefficients

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

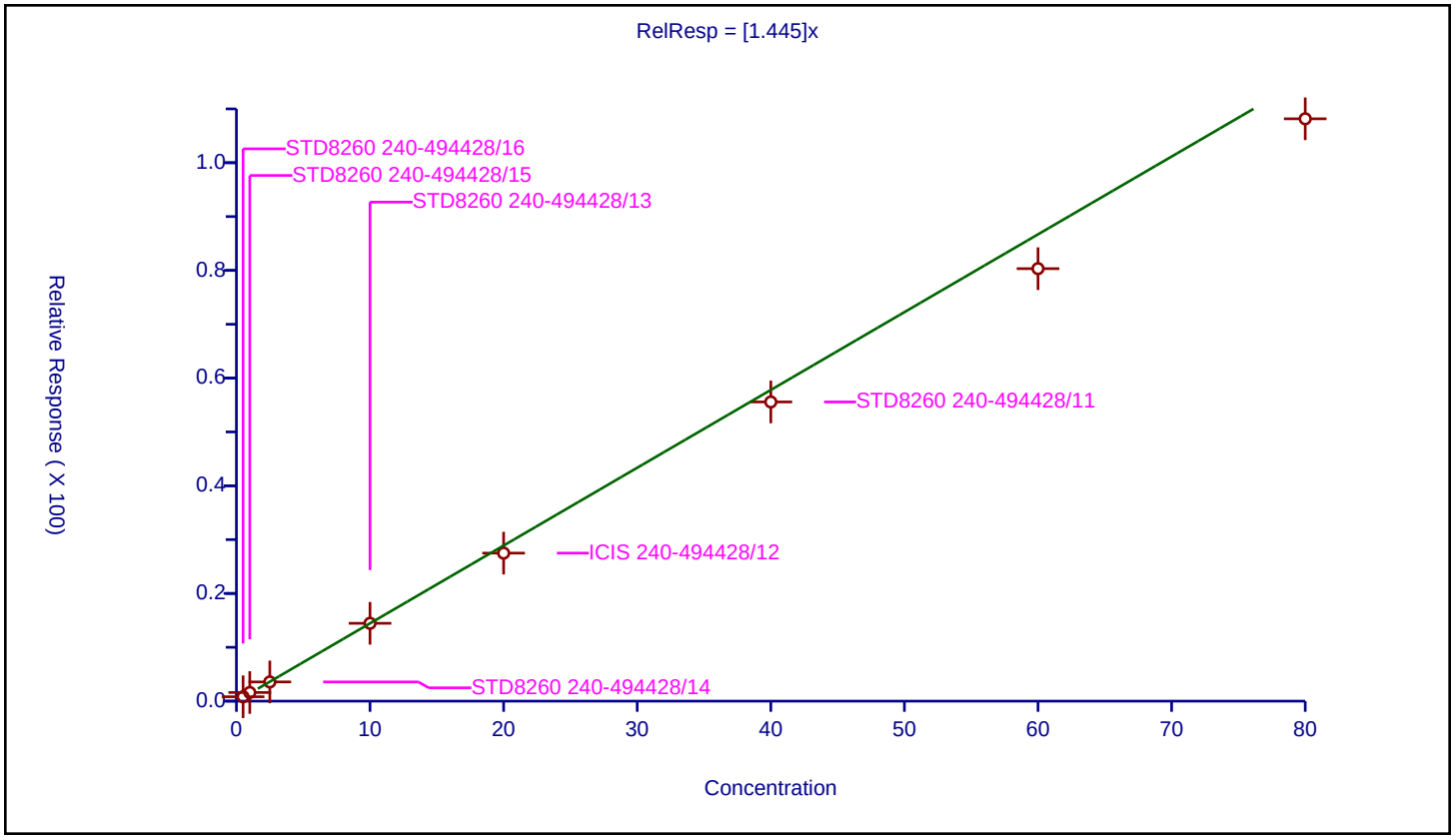
Curve Coefficients

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

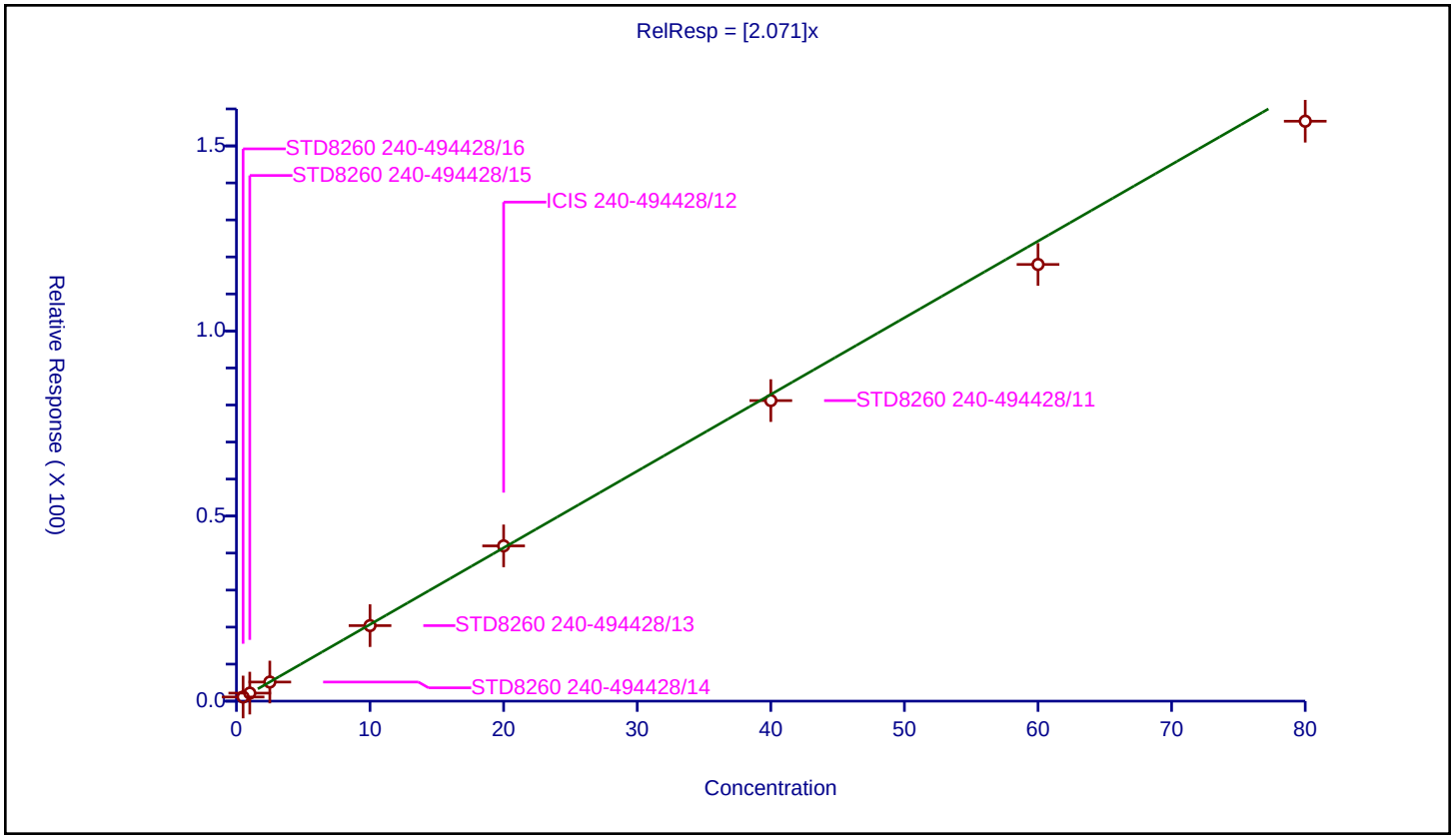
Curve Coefficients

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

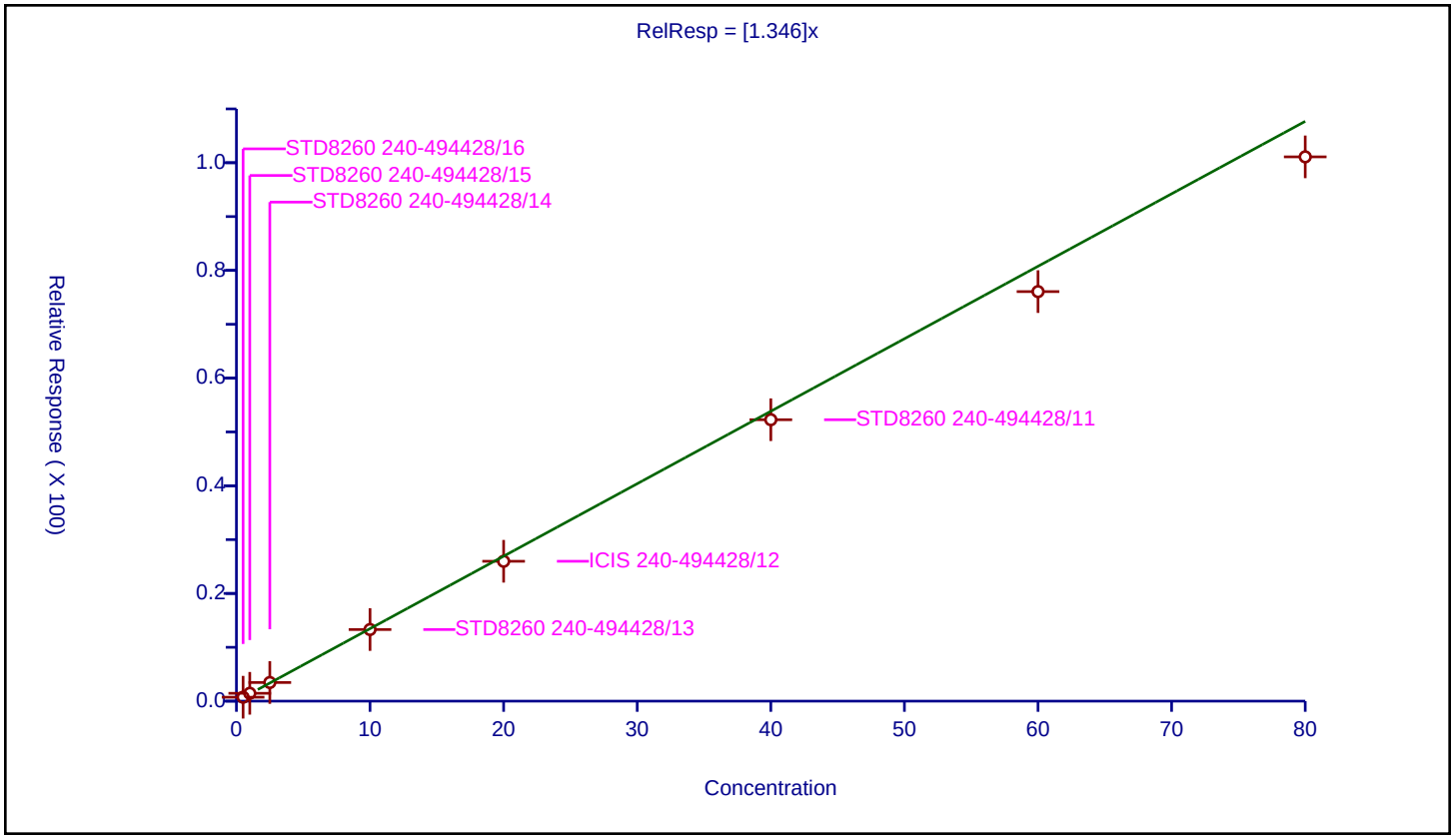
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

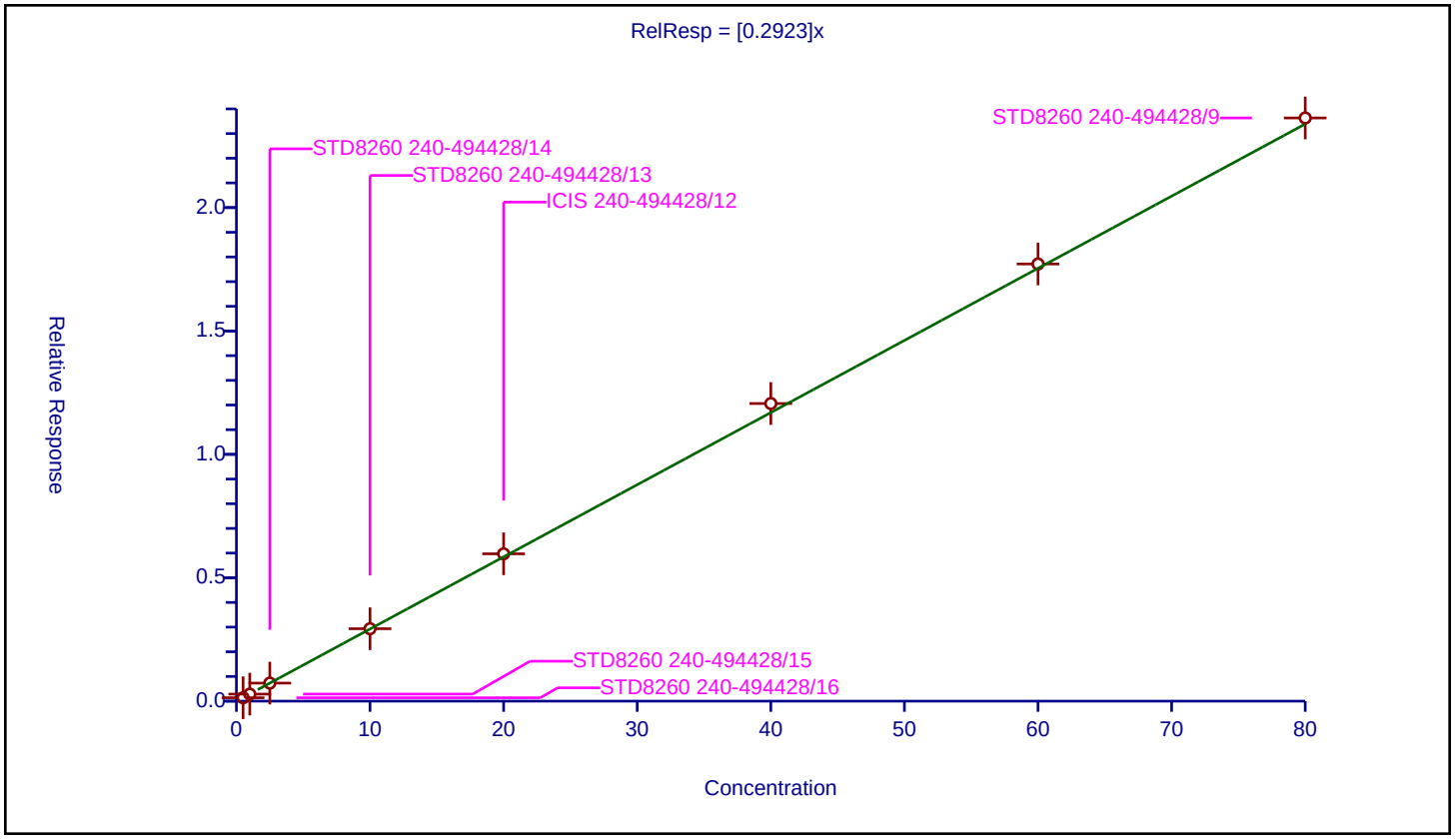
Curve Coefficients

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

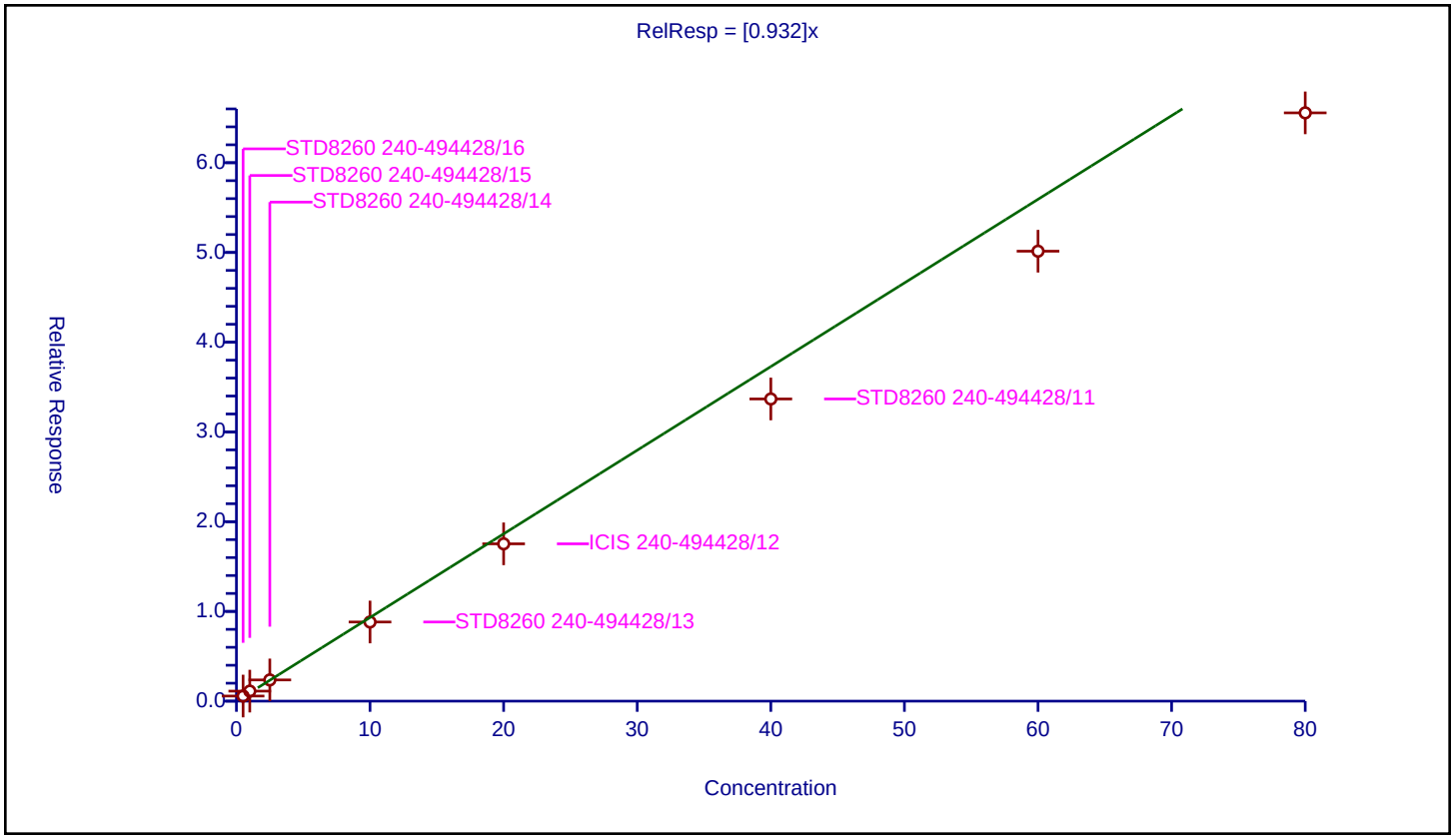
Curve Coefficients

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

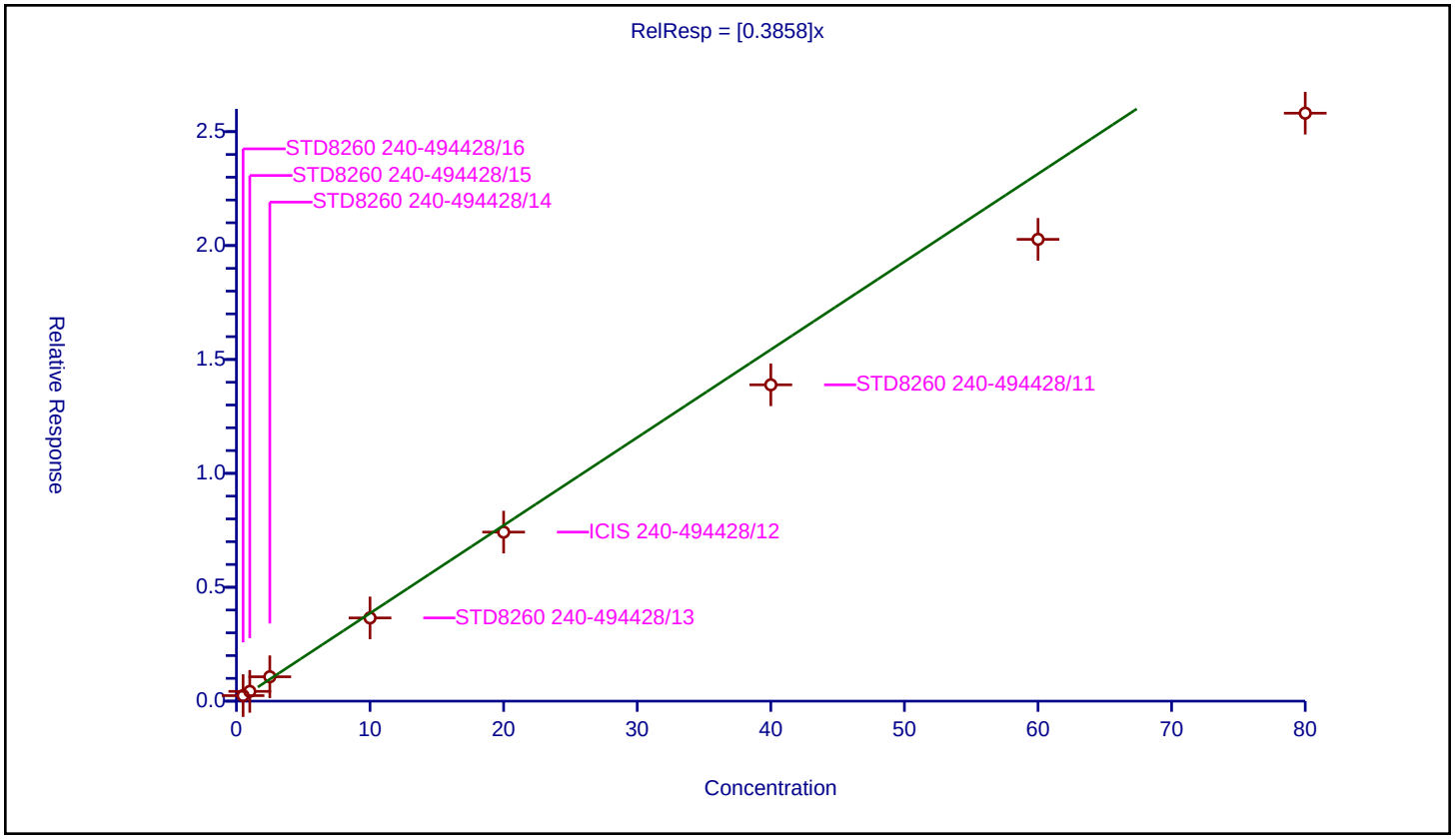
Curve Coefficients

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

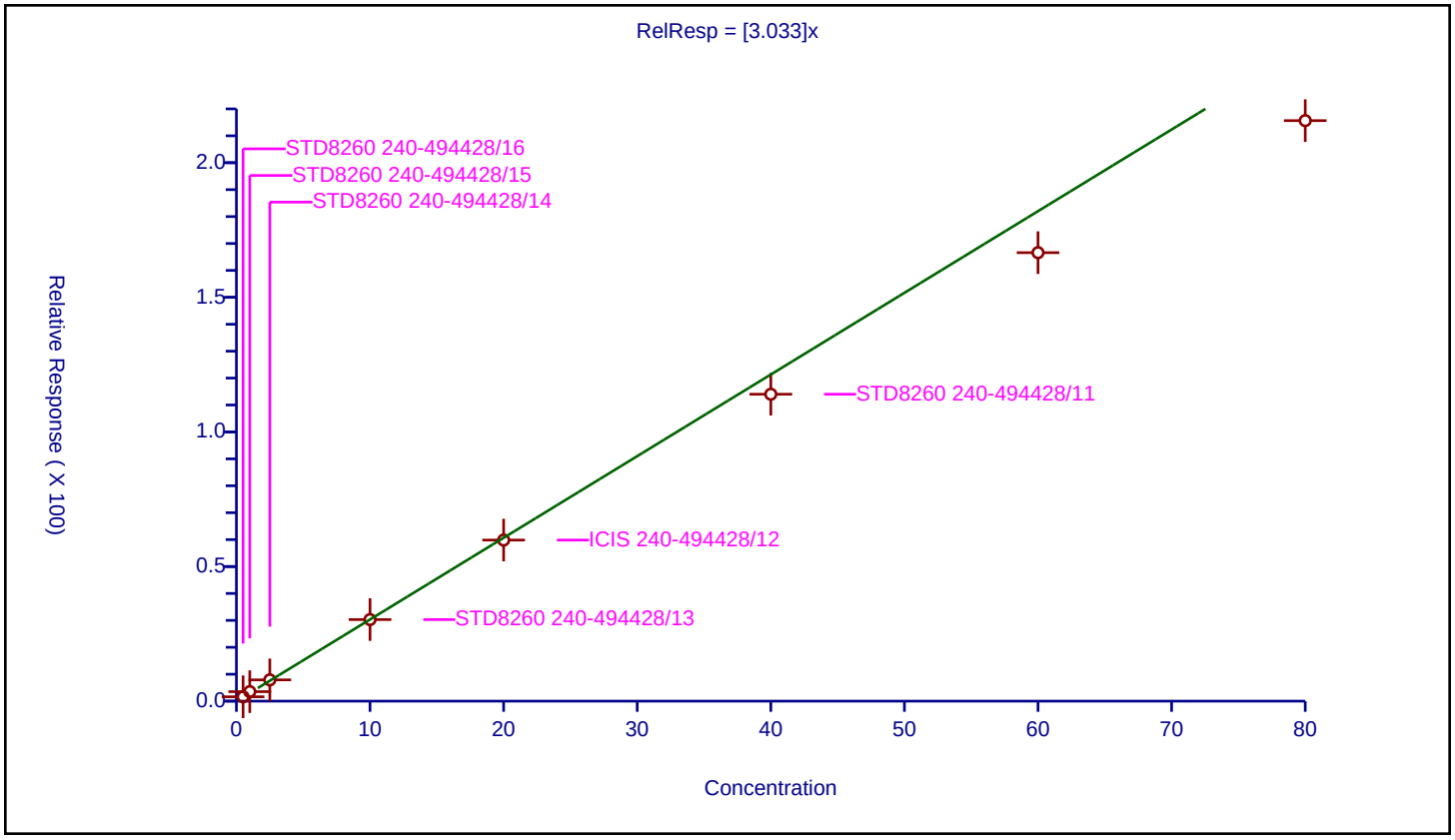
Curve Coefficients

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

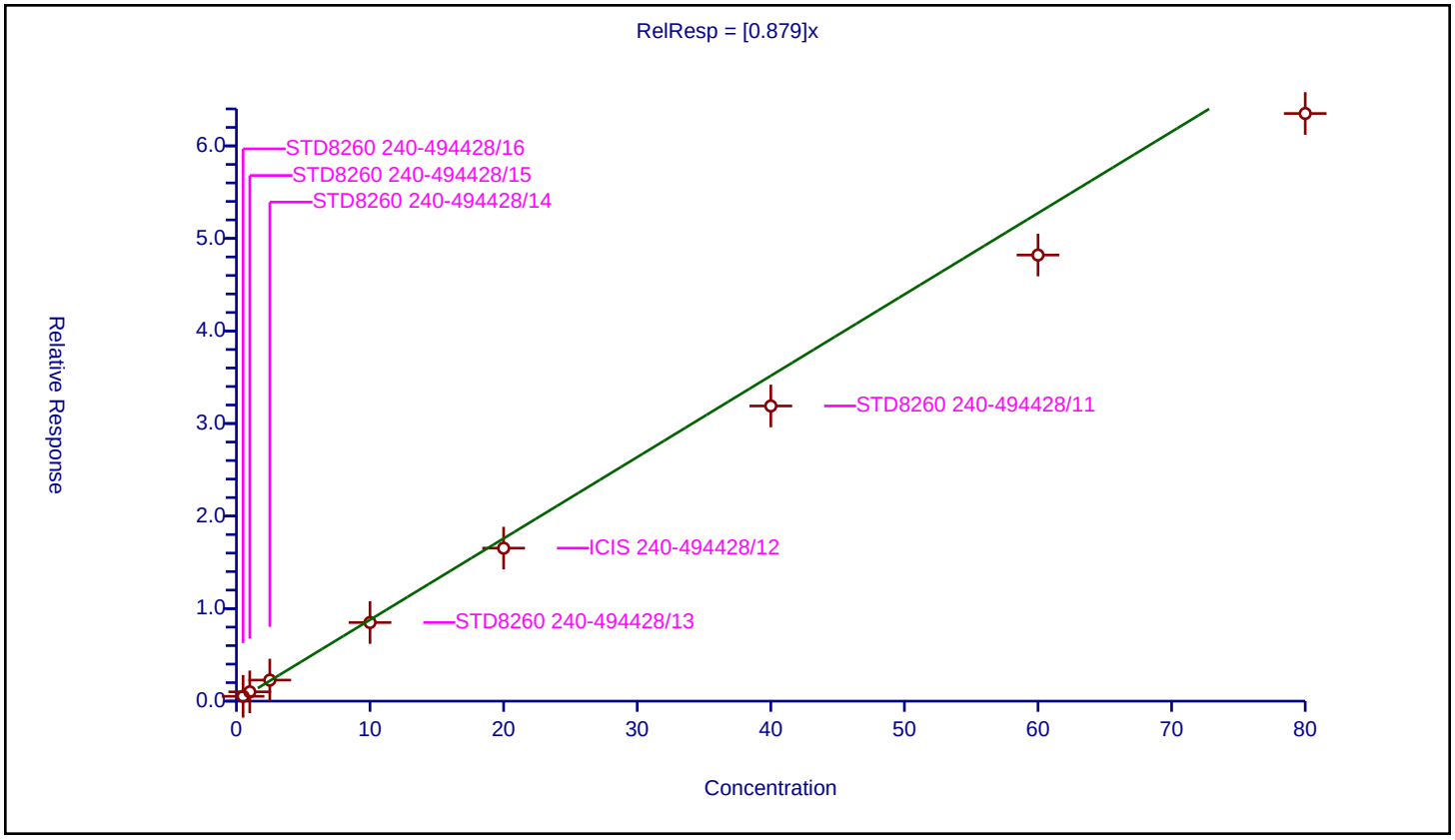
Curve Coefficients

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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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				

Calibration / Acetonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

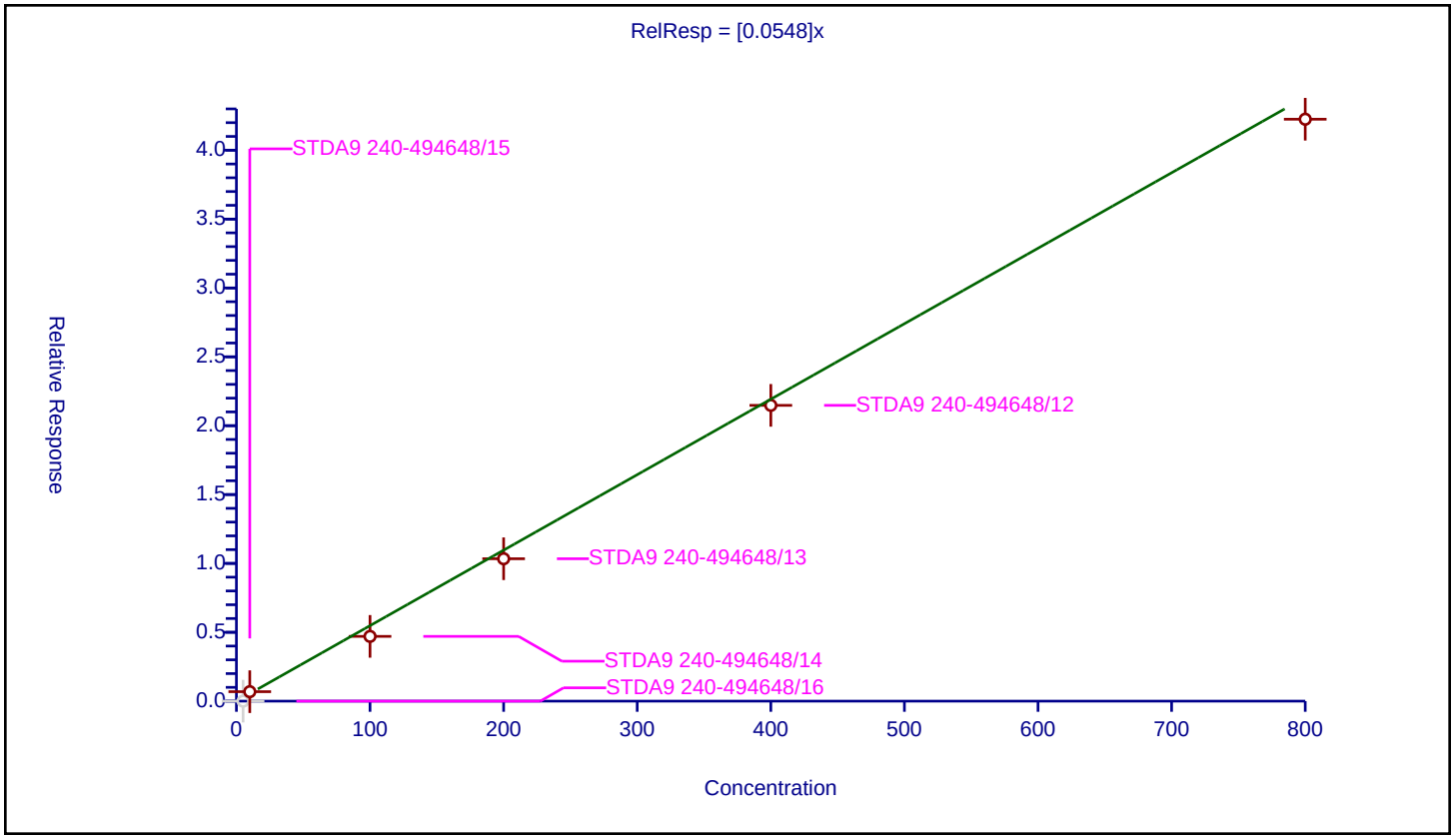
Curve Coefficients

Intercept:	0
Slope:	0.0548

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

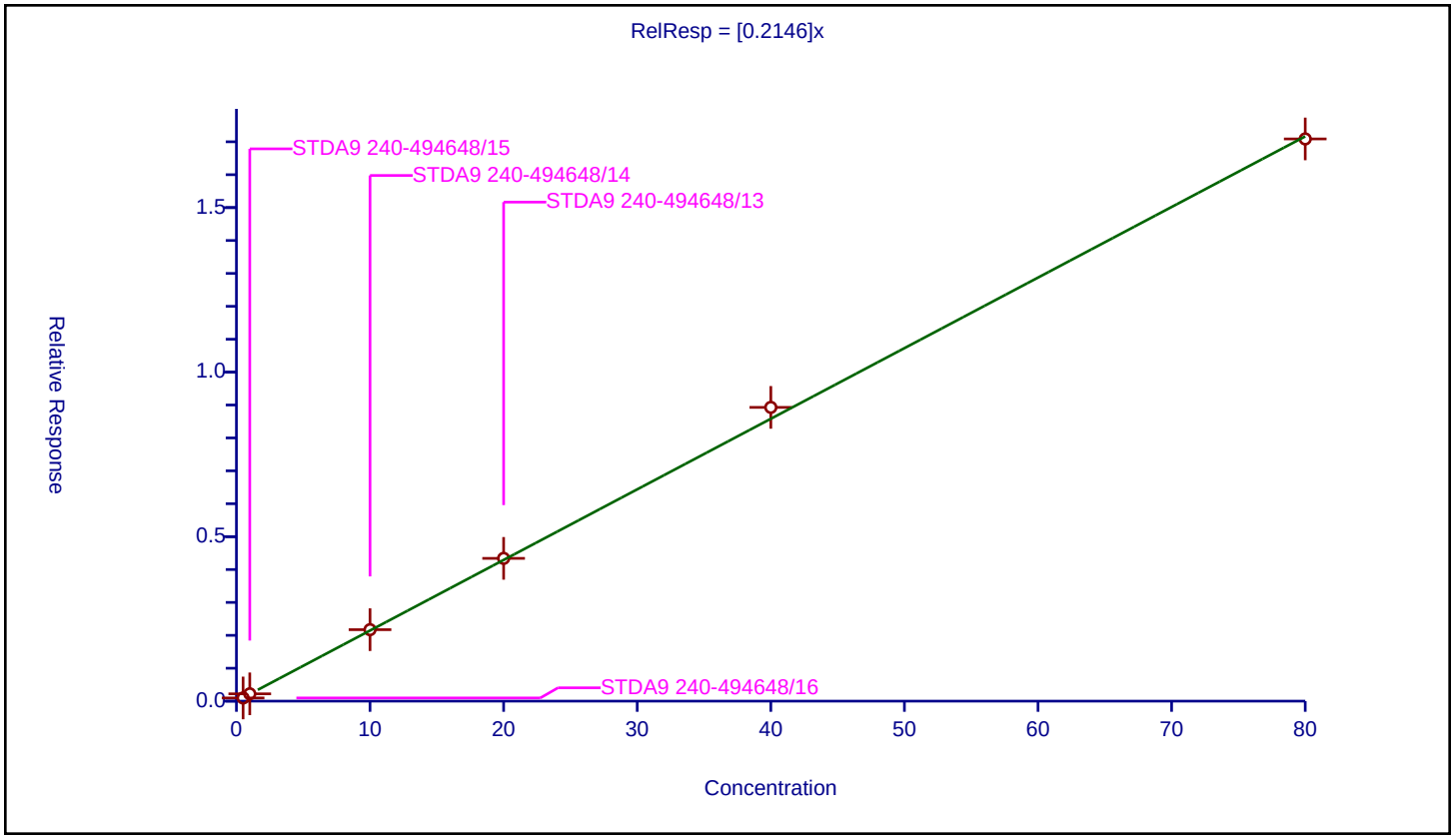
Curve Coefficients

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

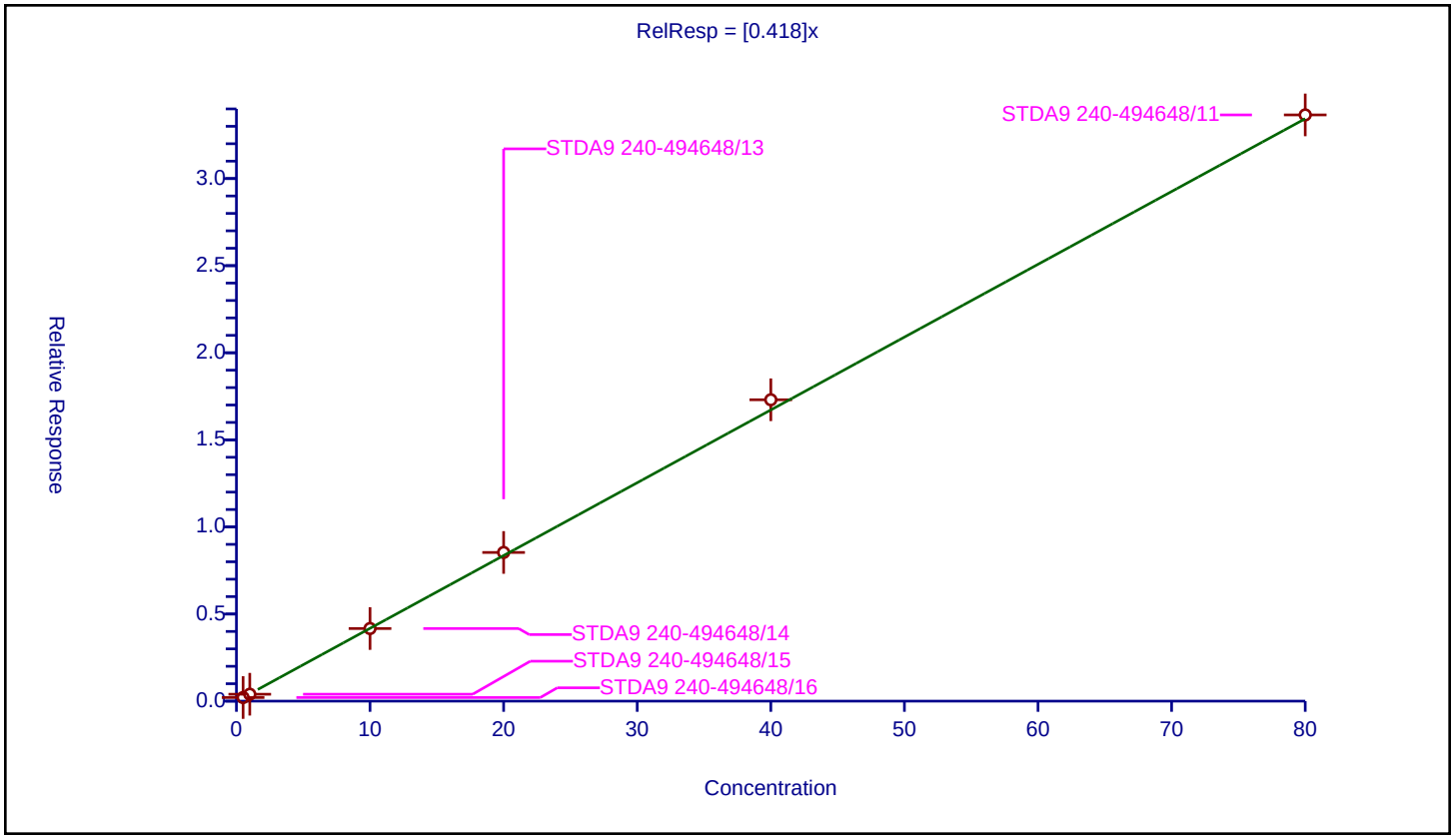
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

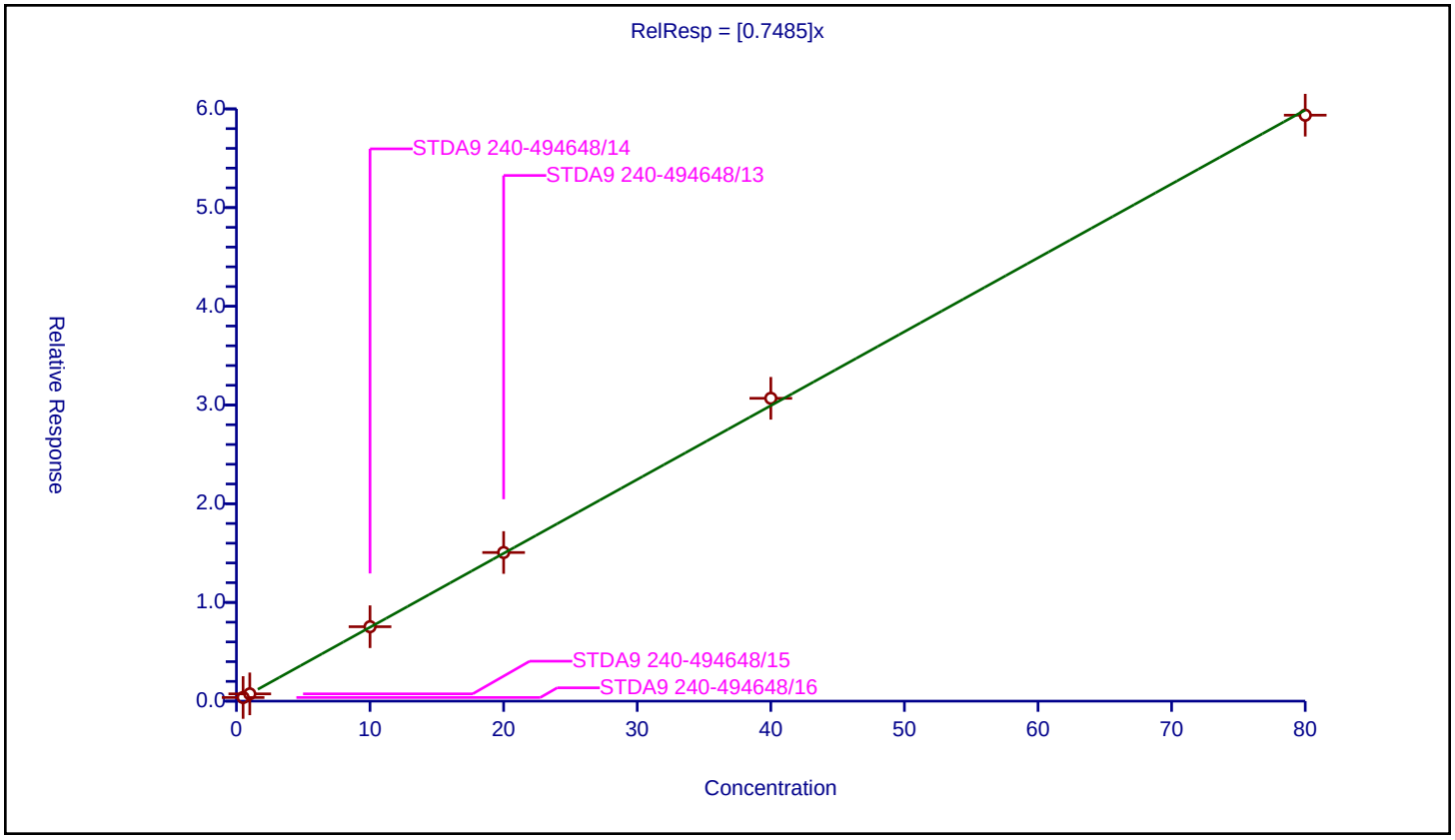
Curve Coefficients

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

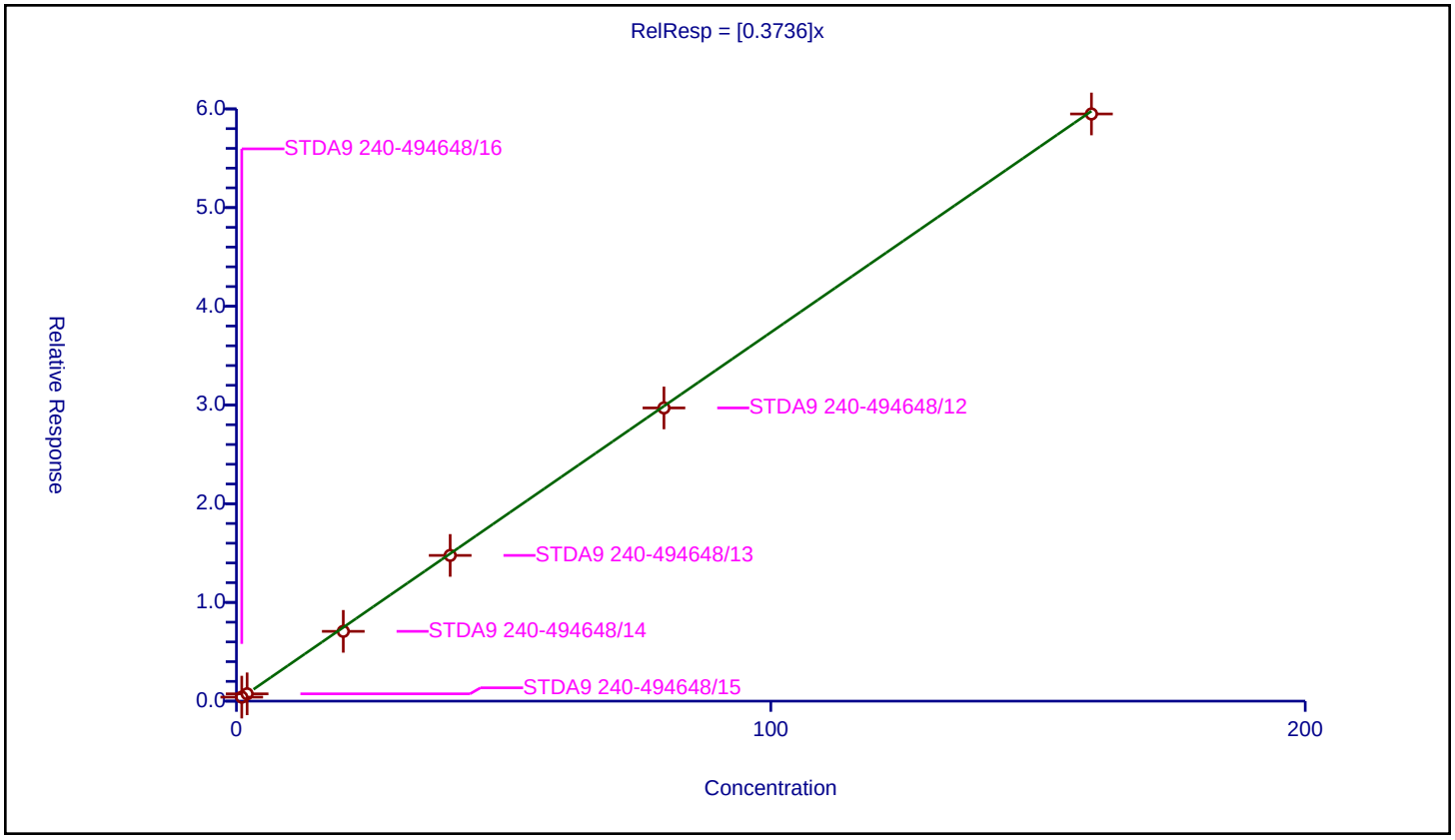
Curve Coefficients

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



Calibration / Propionitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

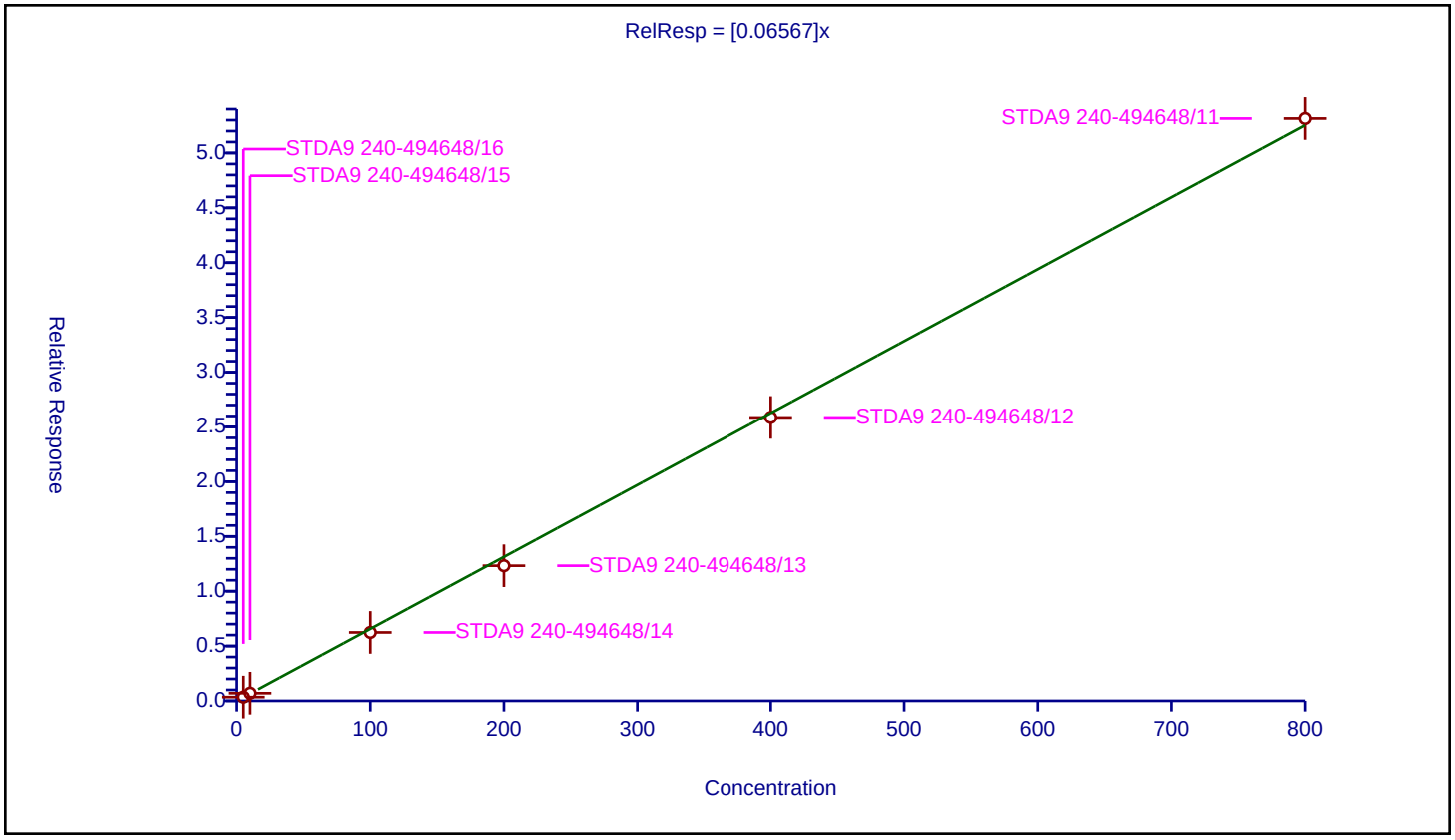
Curve Coefficients

Intercept:	0
Slope:	0.06567

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

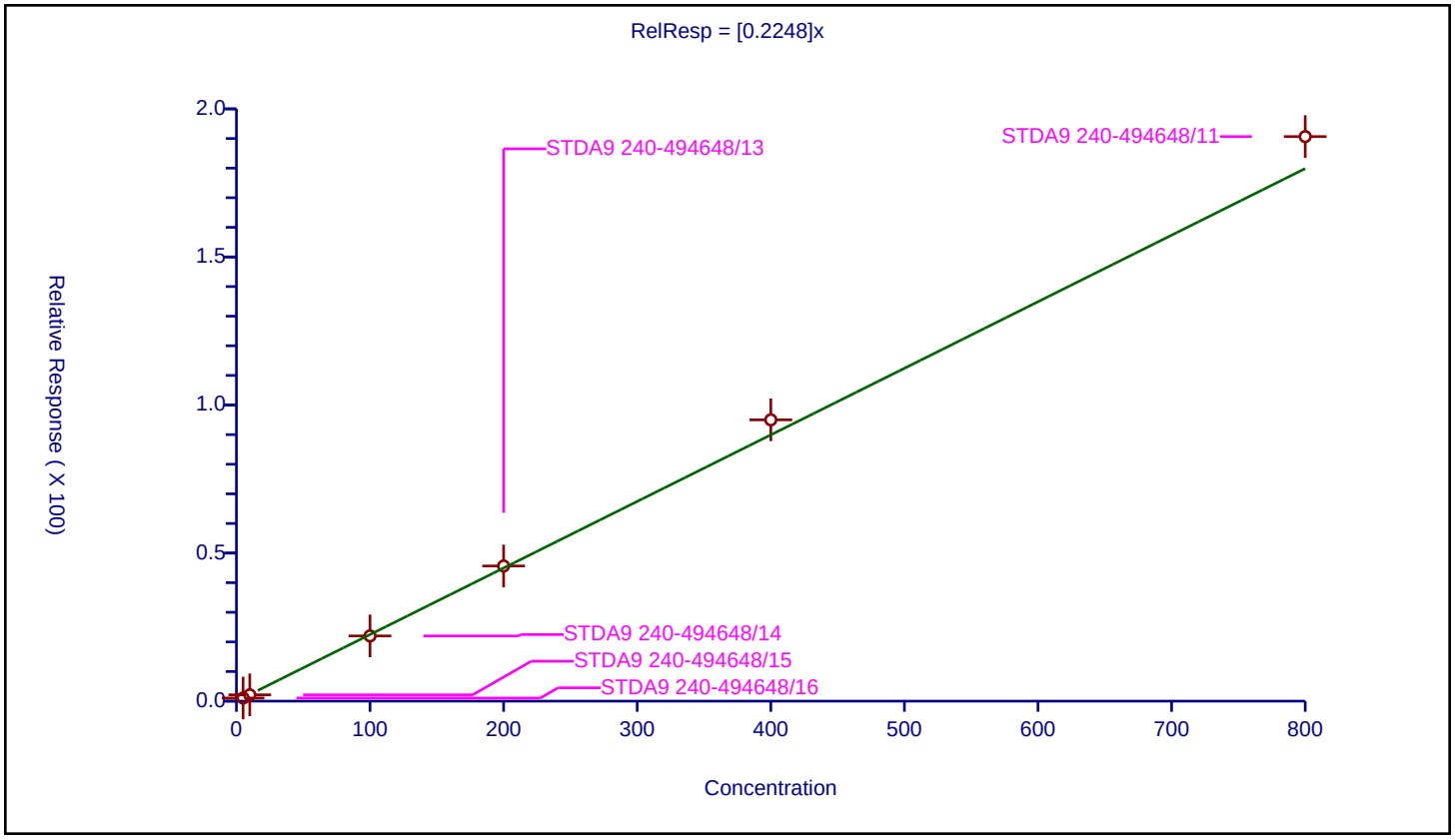
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

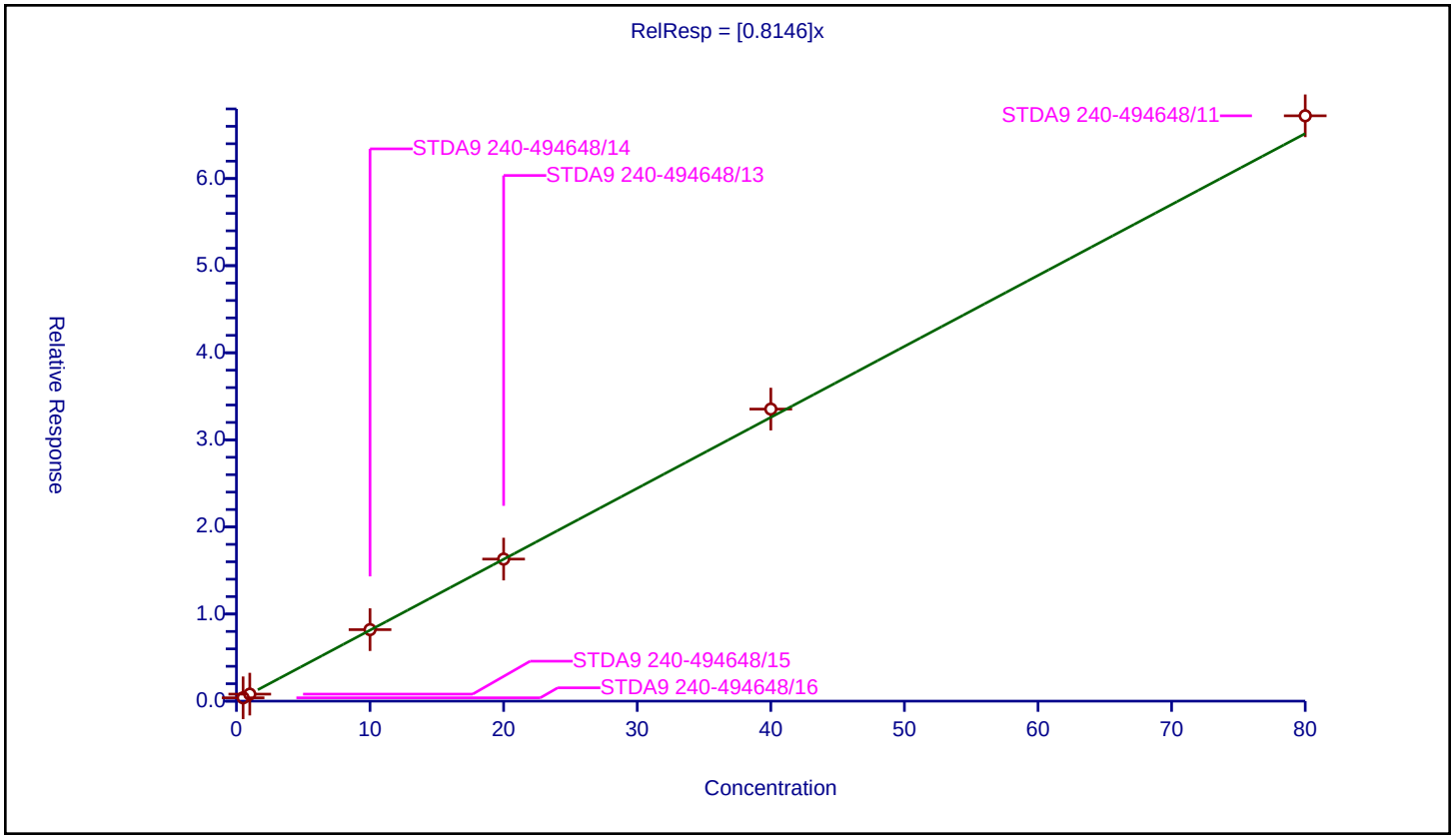
Curve Coefficients

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

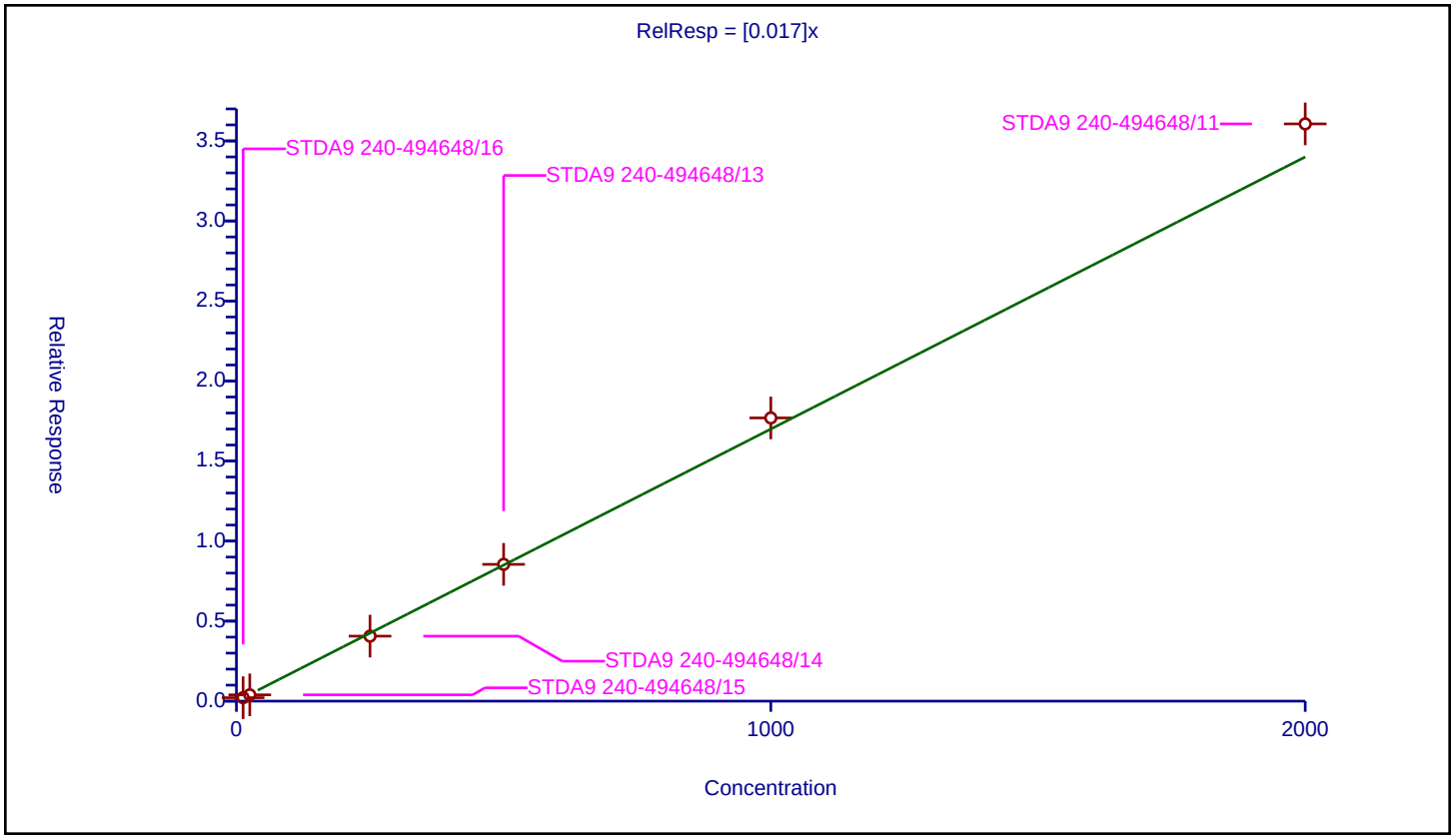
Curve Coefficients

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

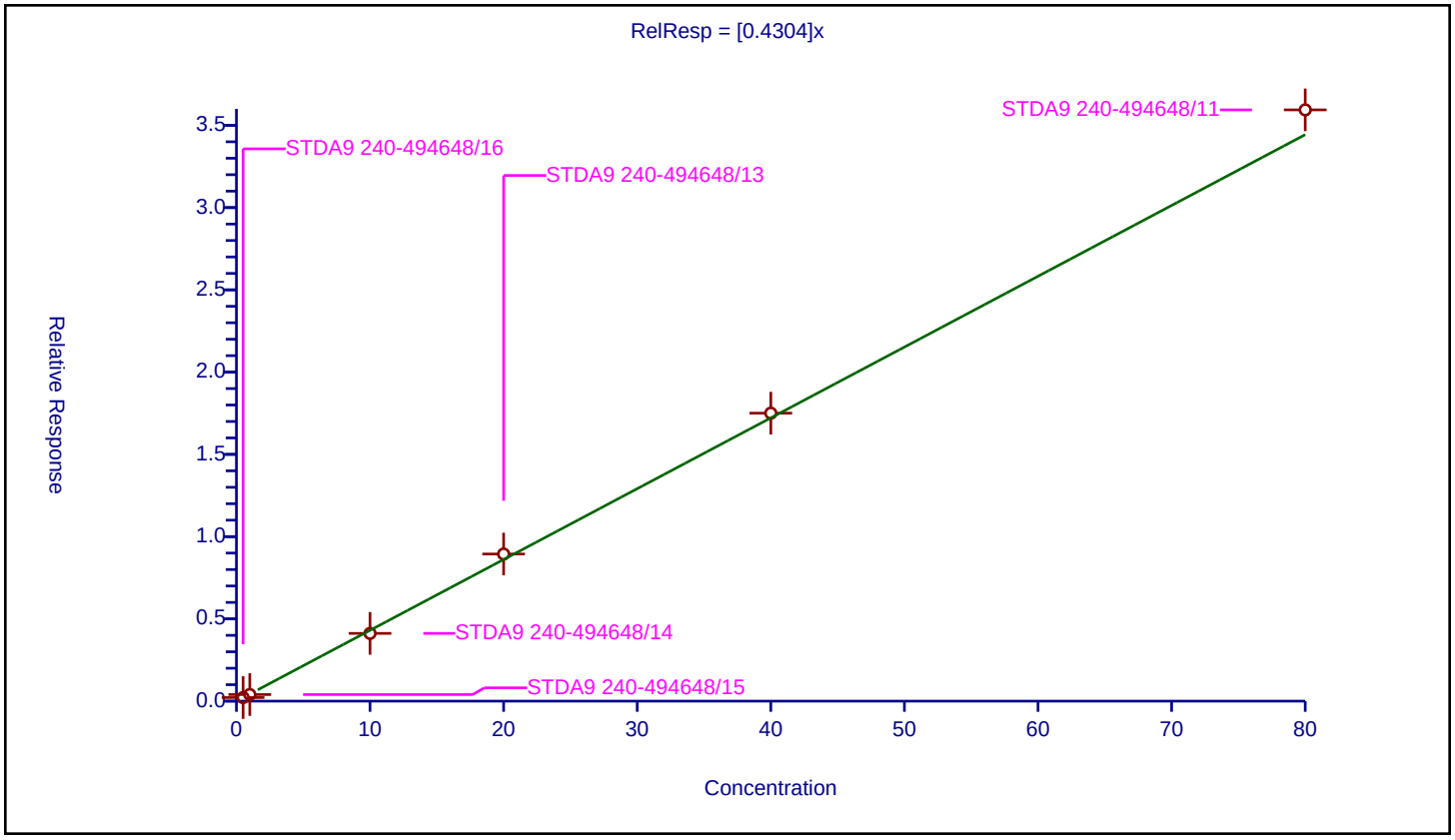
Curve Coefficients

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

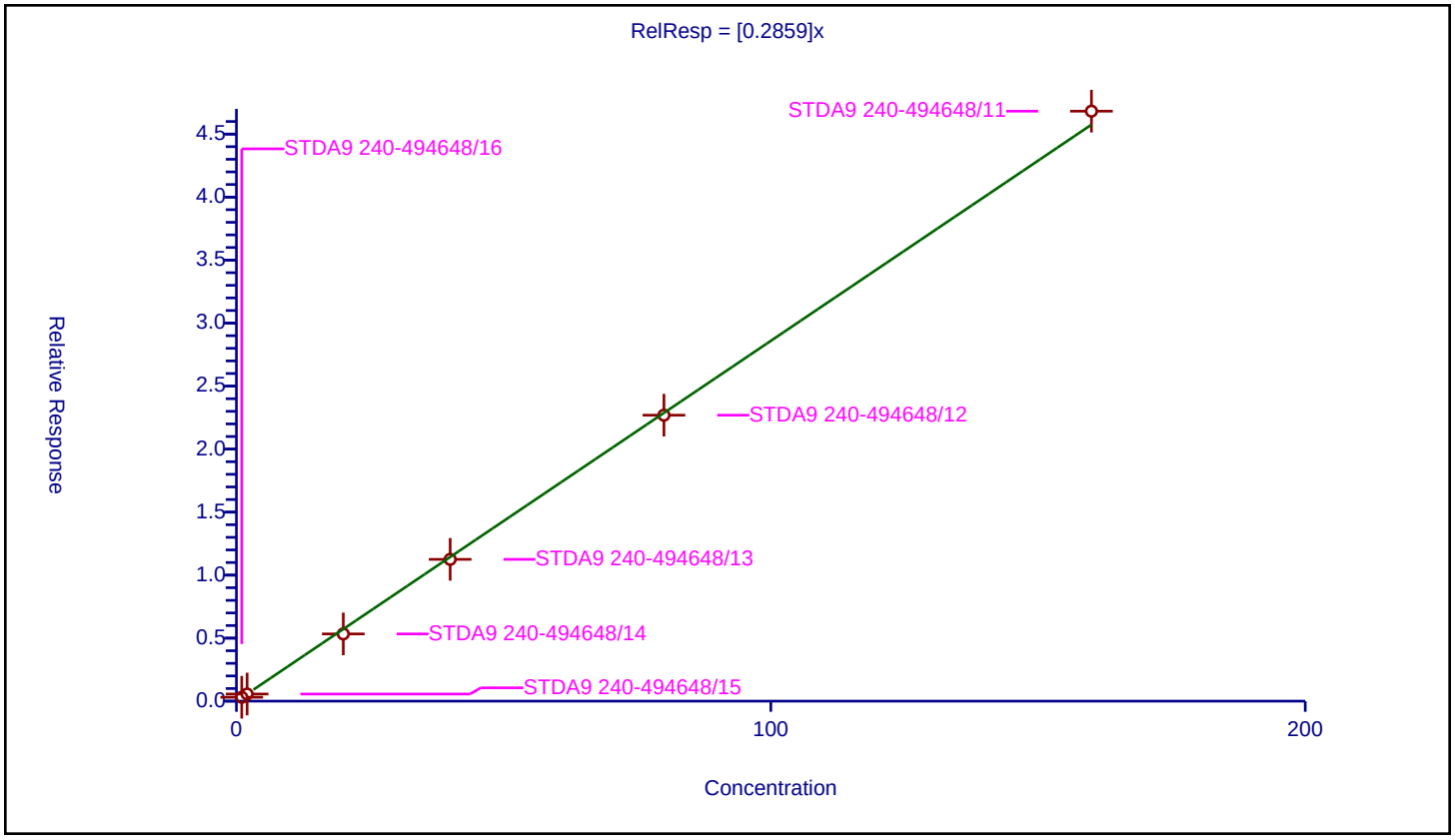
Curve Coefficients

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

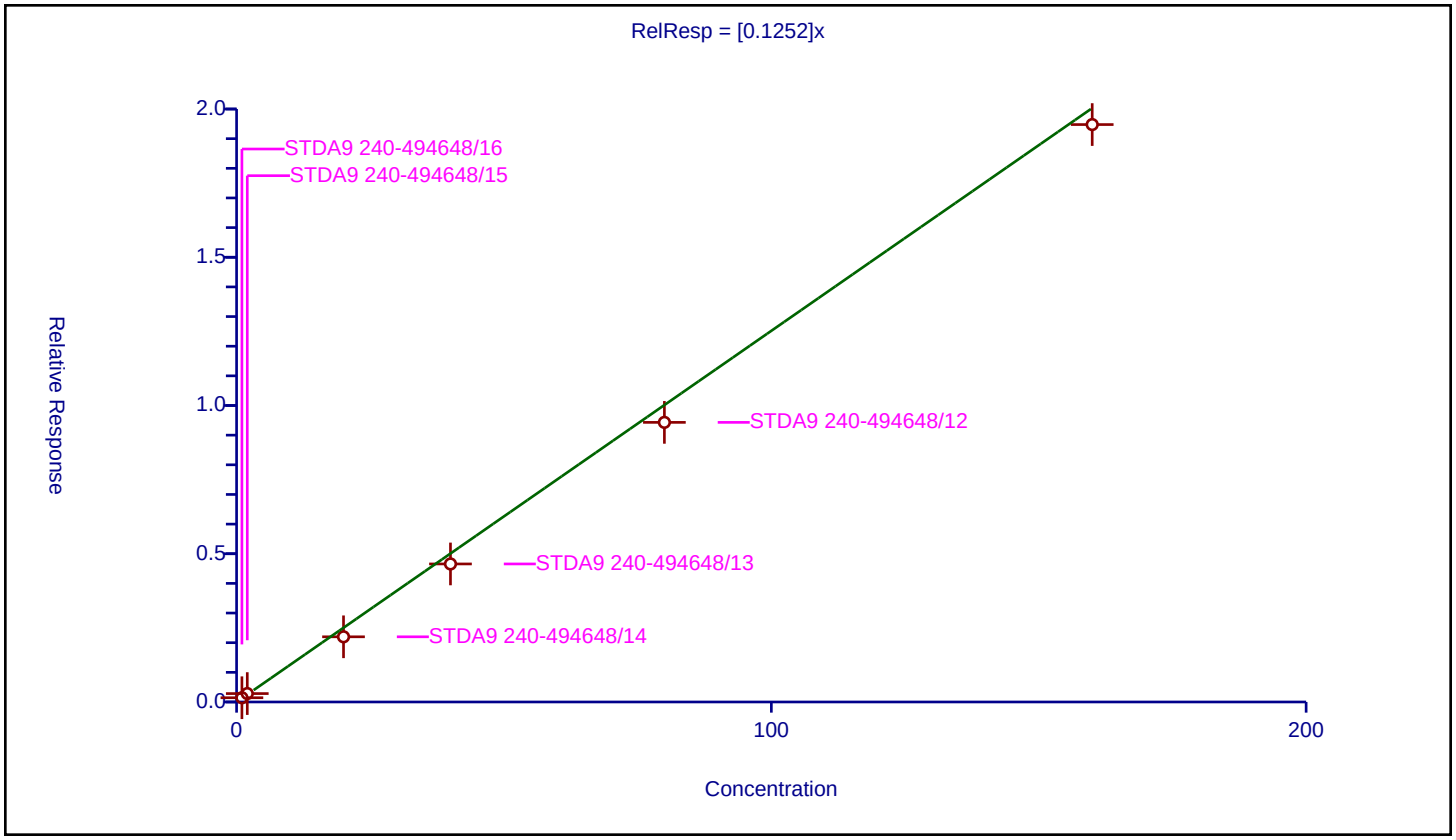
Curve Coefficients

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

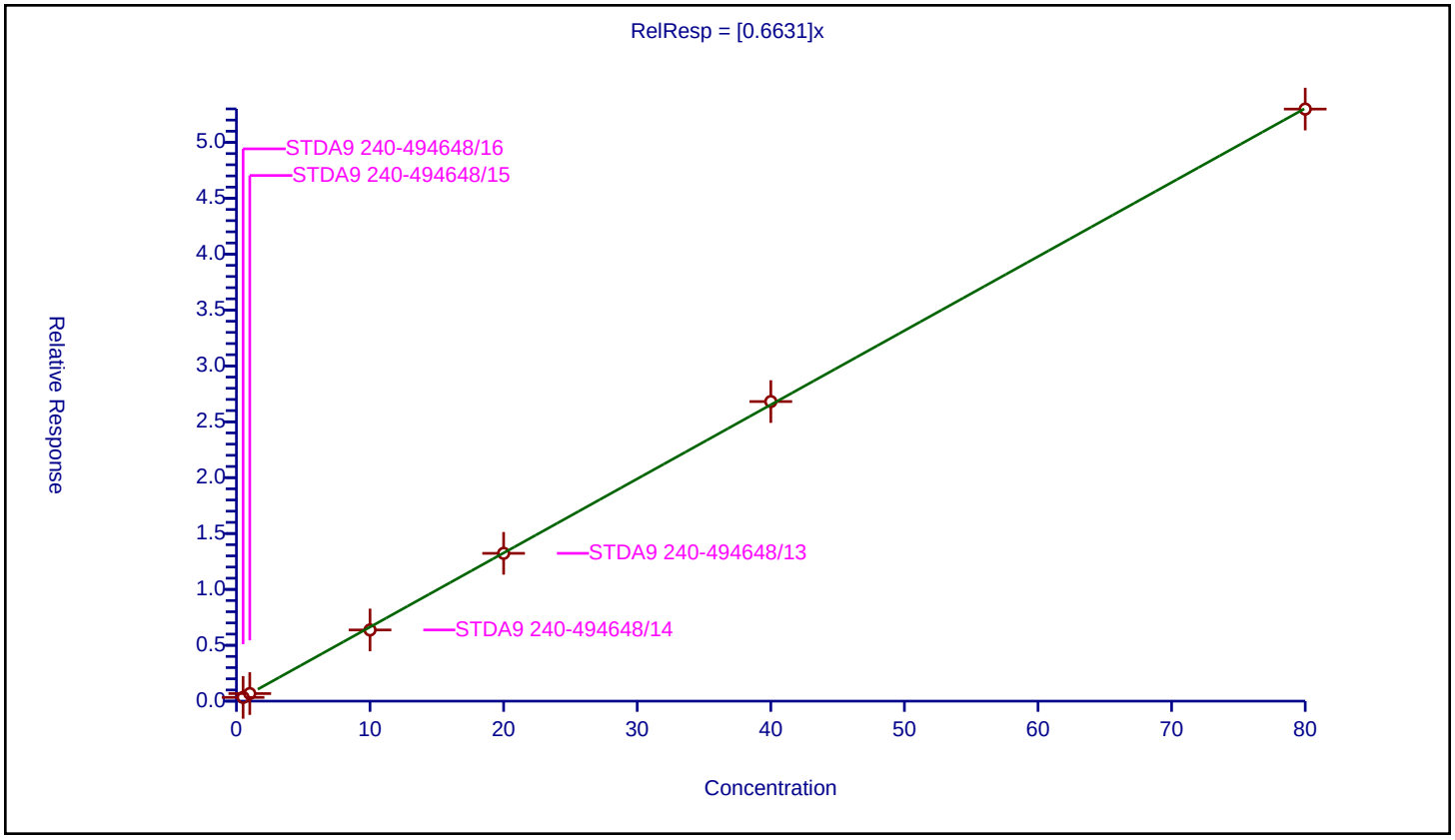
Curve Coefficients

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

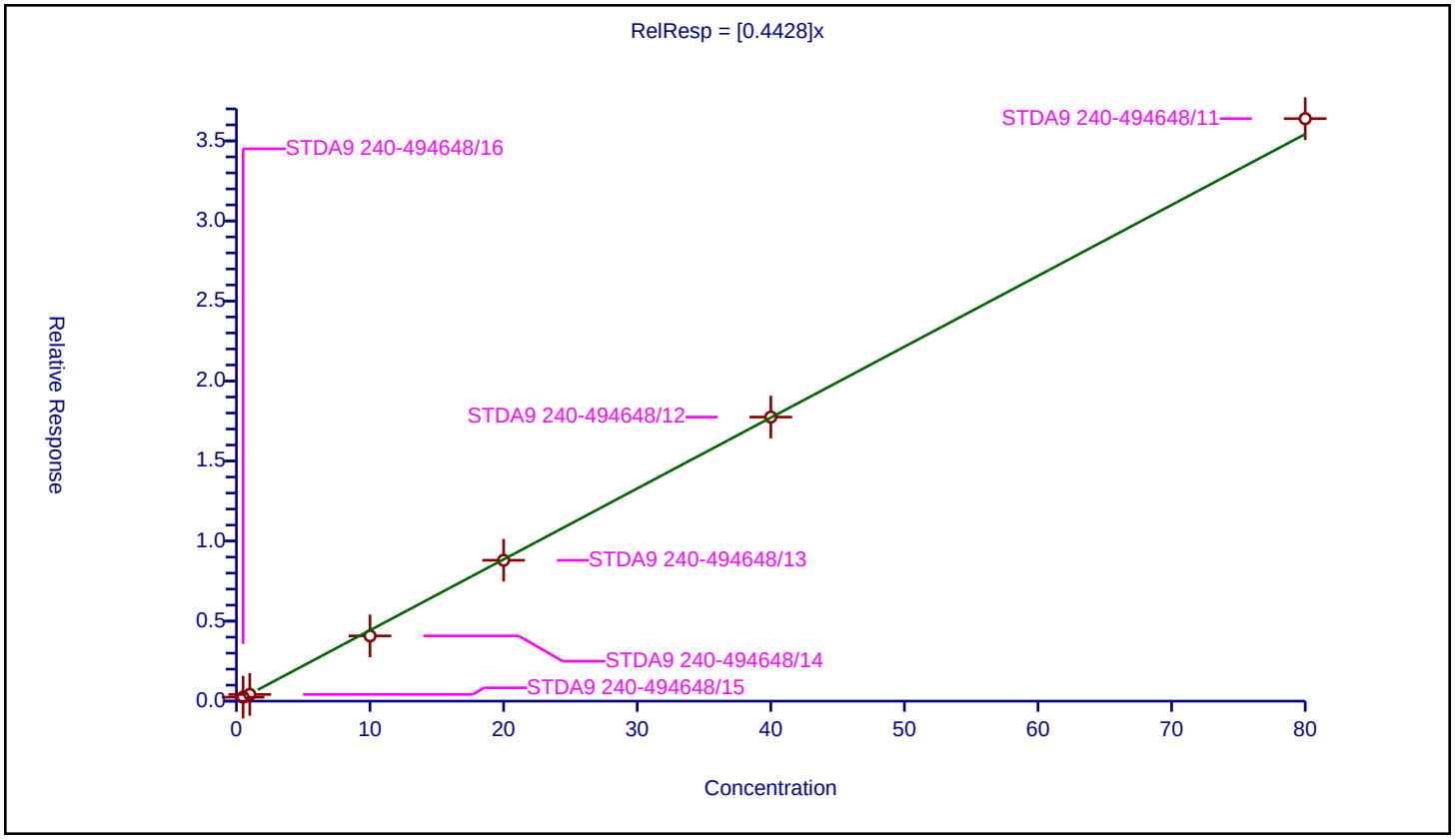
Curve Coefficients

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

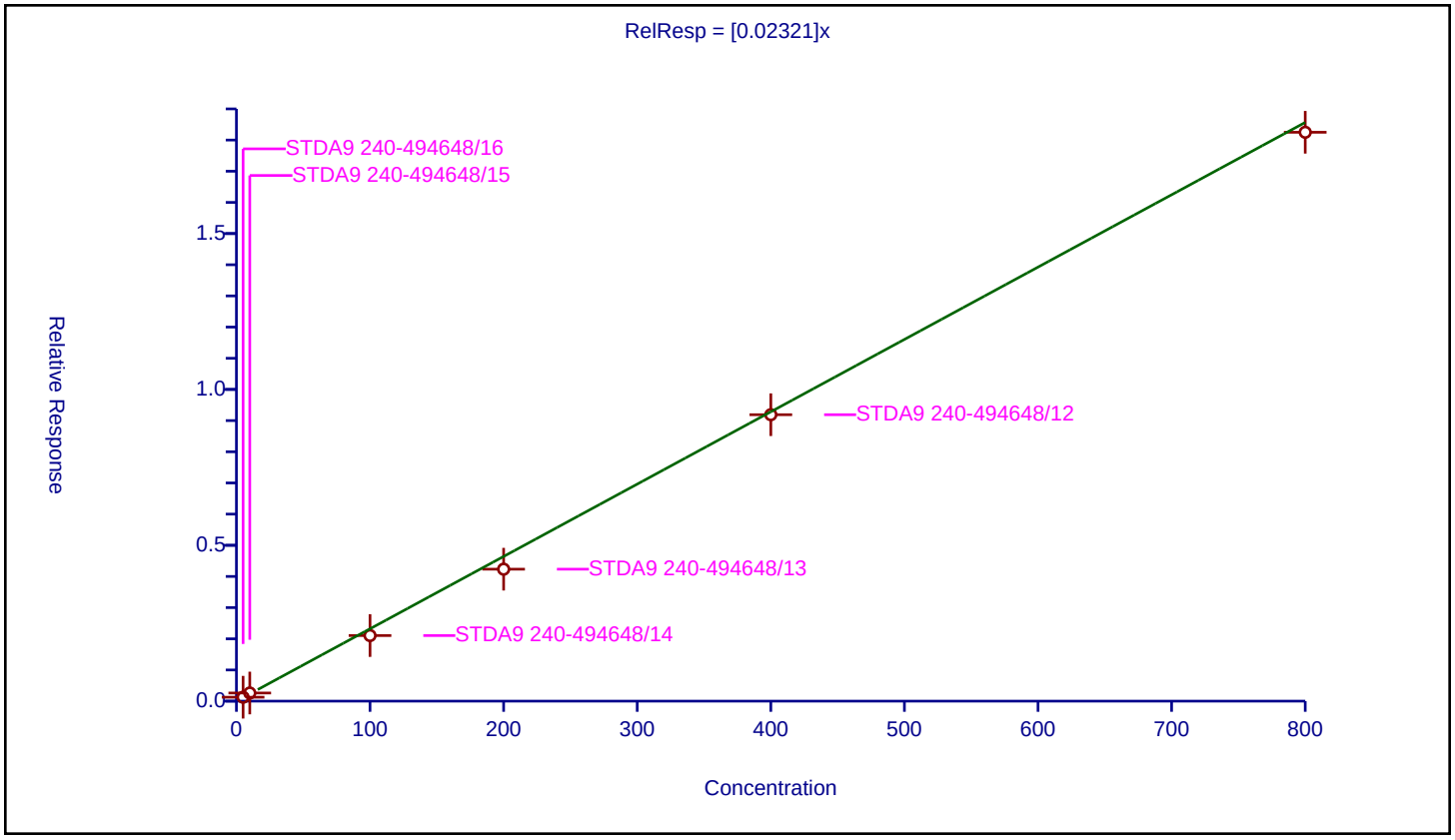
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

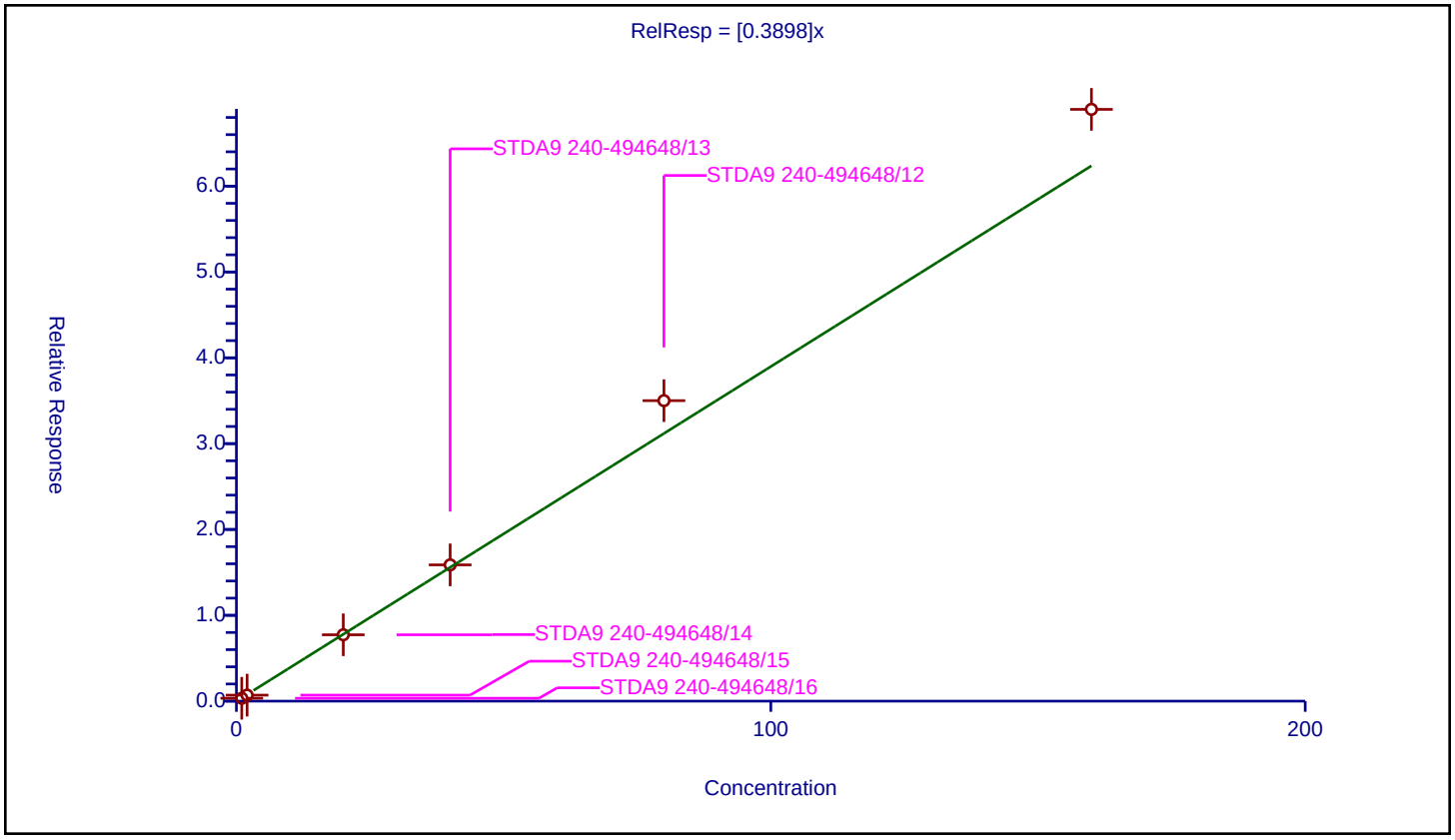
Curve Coefficients

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

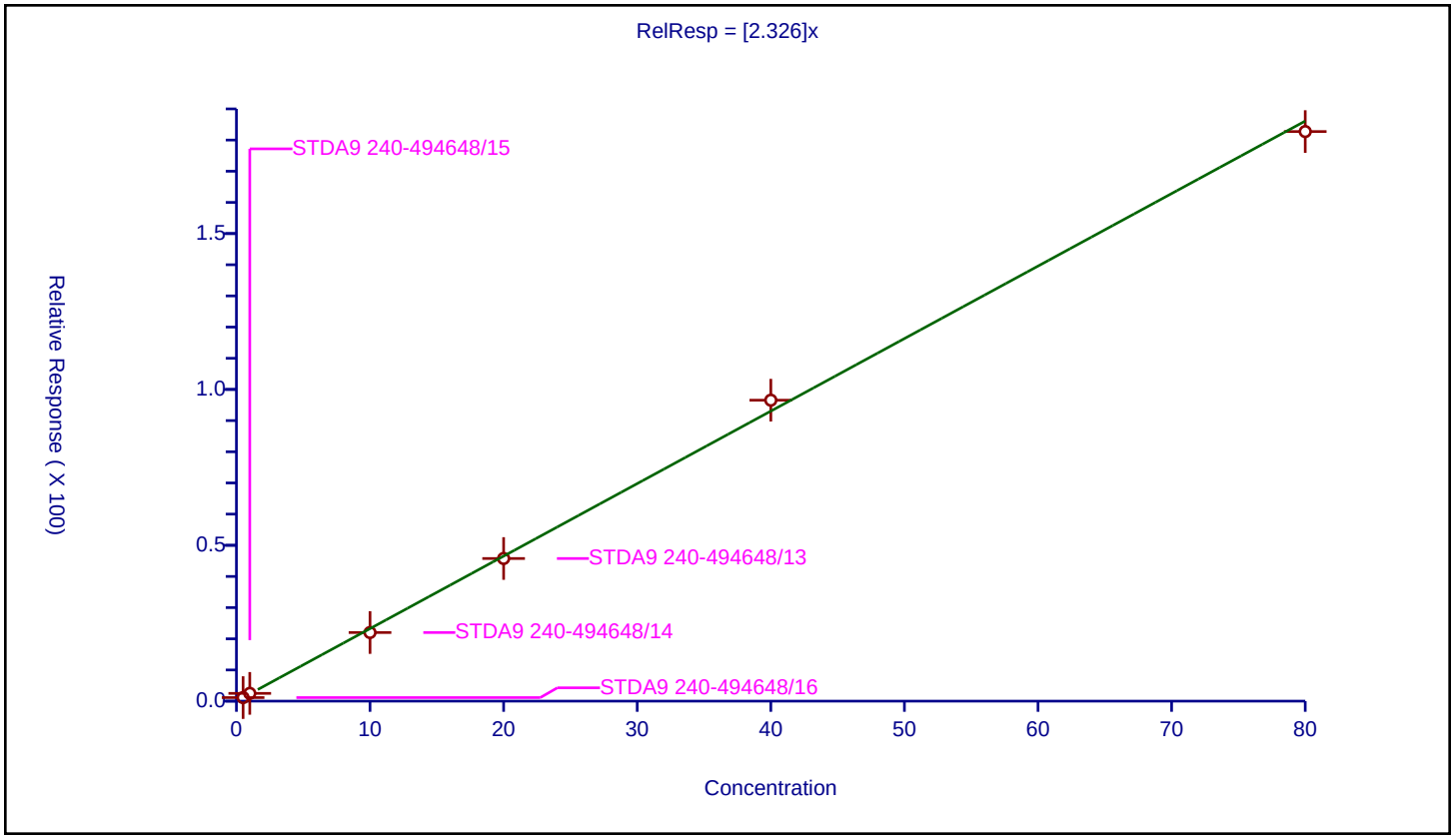
Curve Coefficients

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

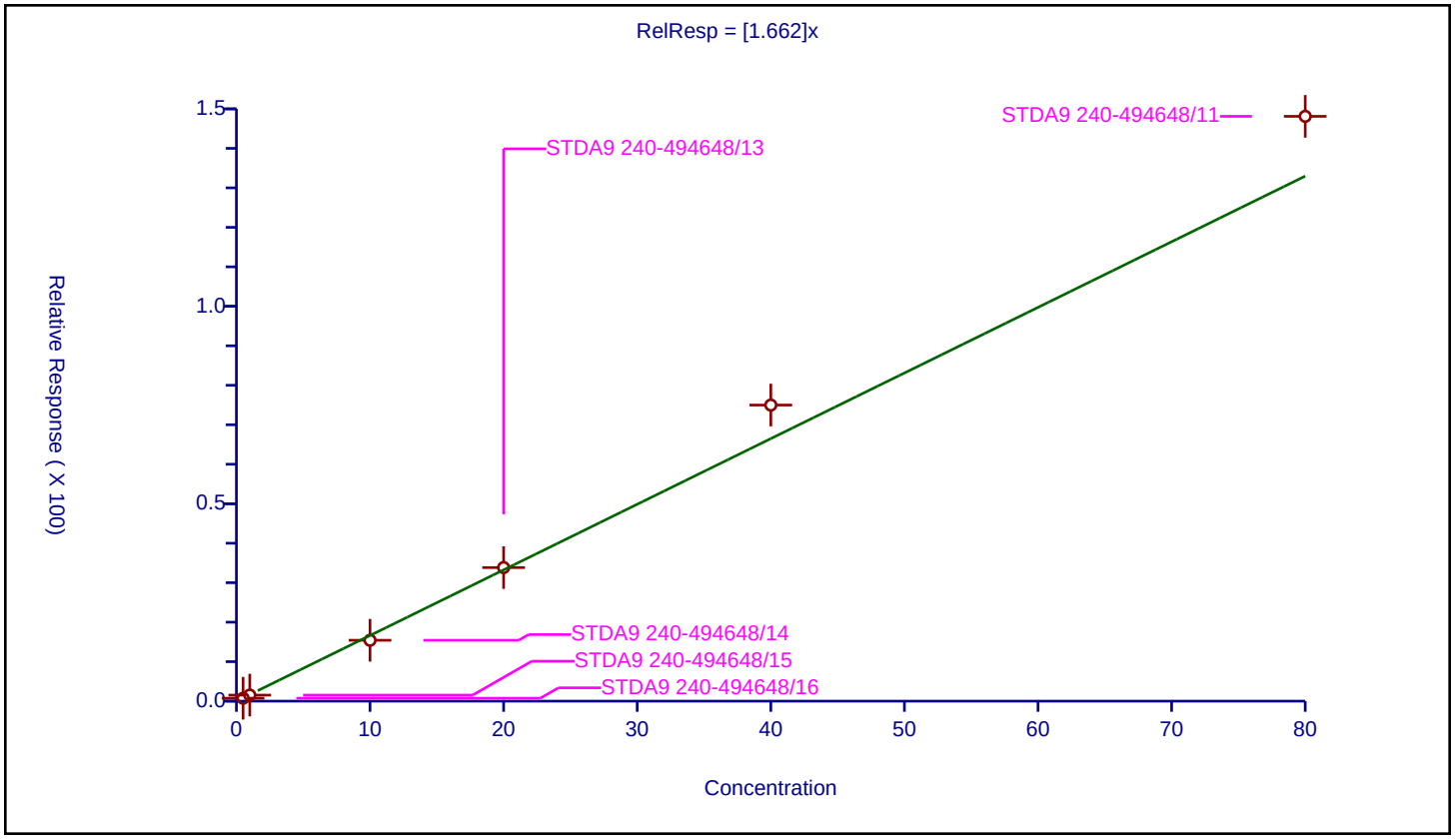
Curve Coefficients

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

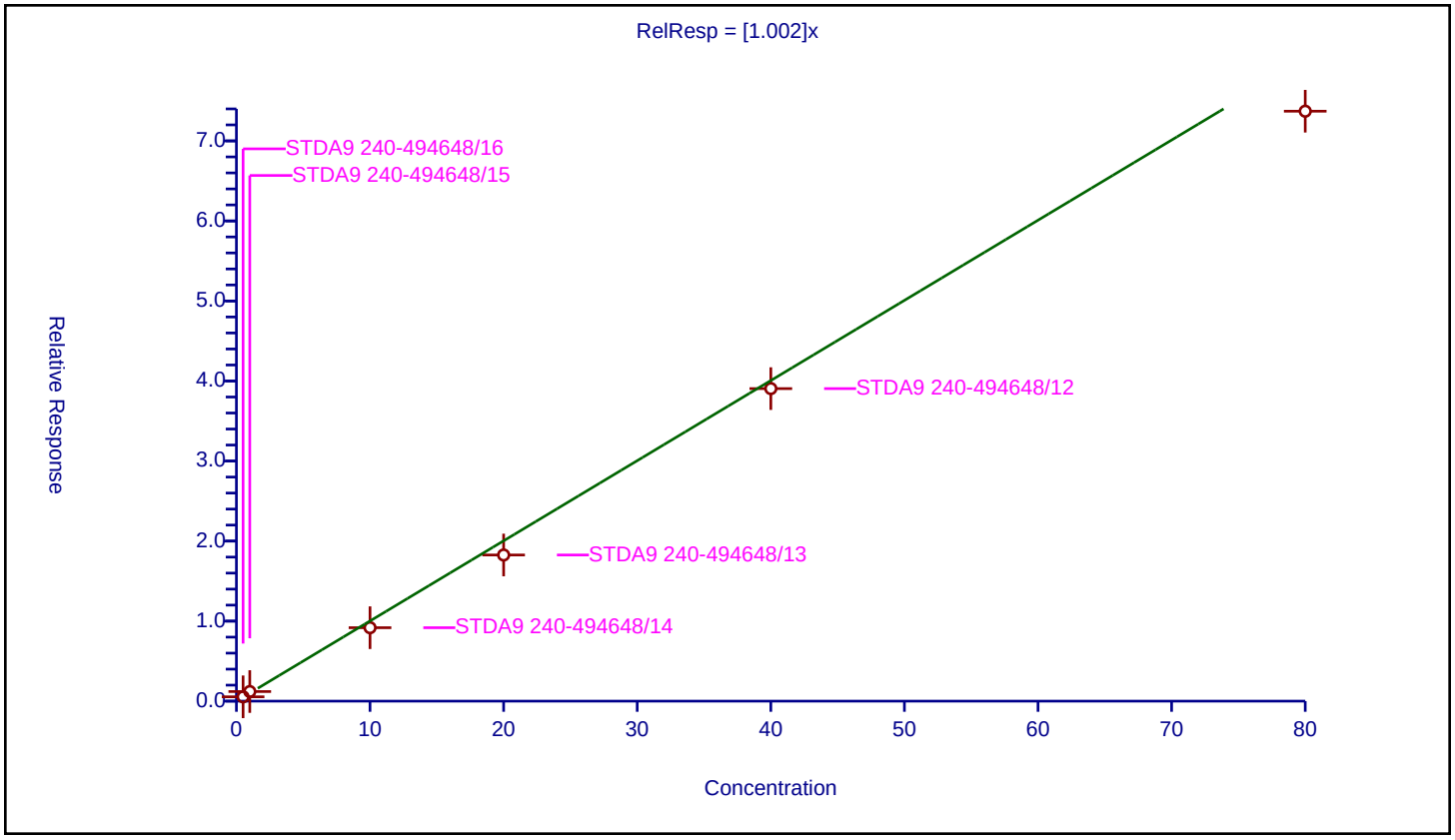
Curve Coefficients

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

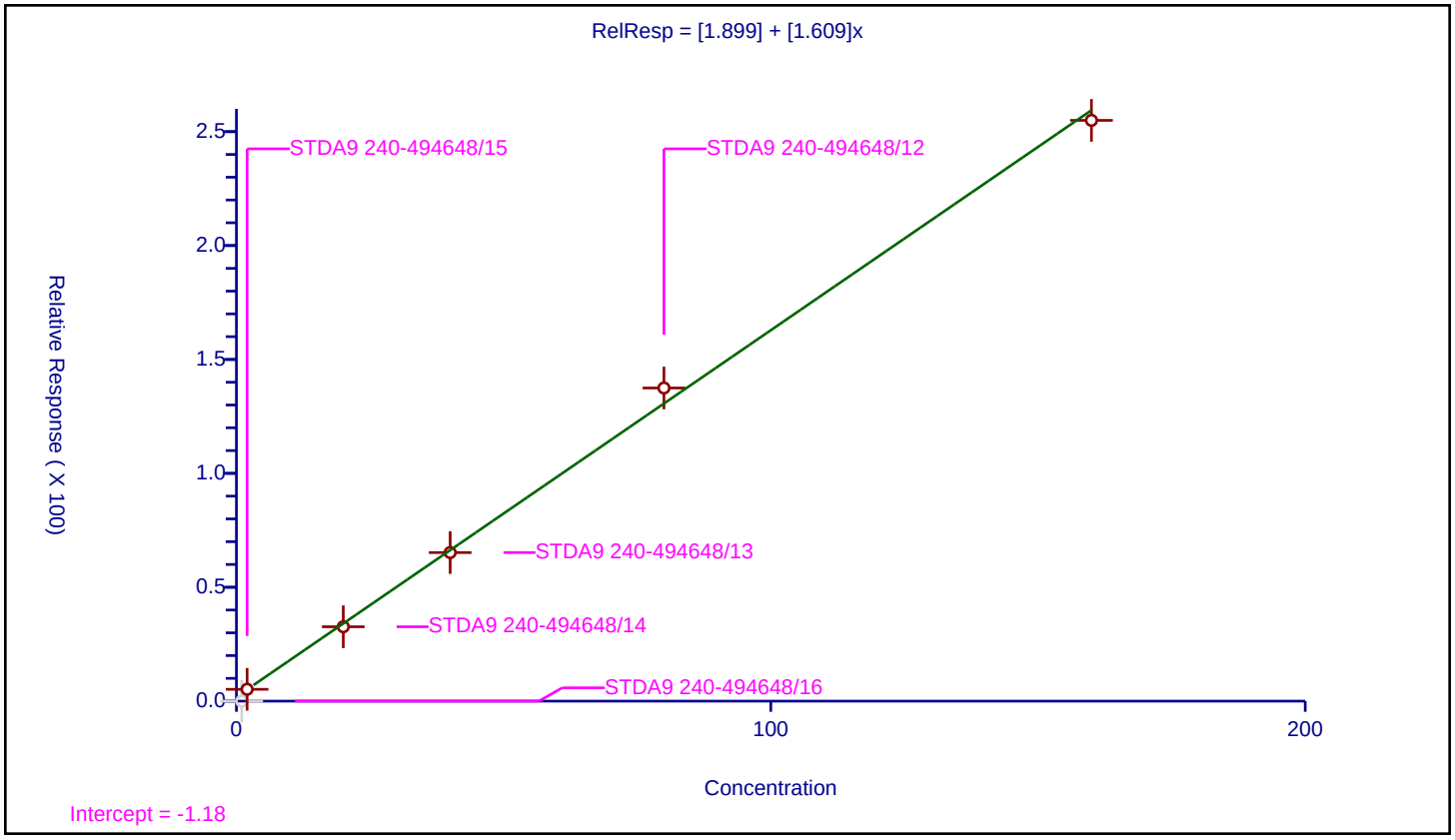
Curve Coefficients

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

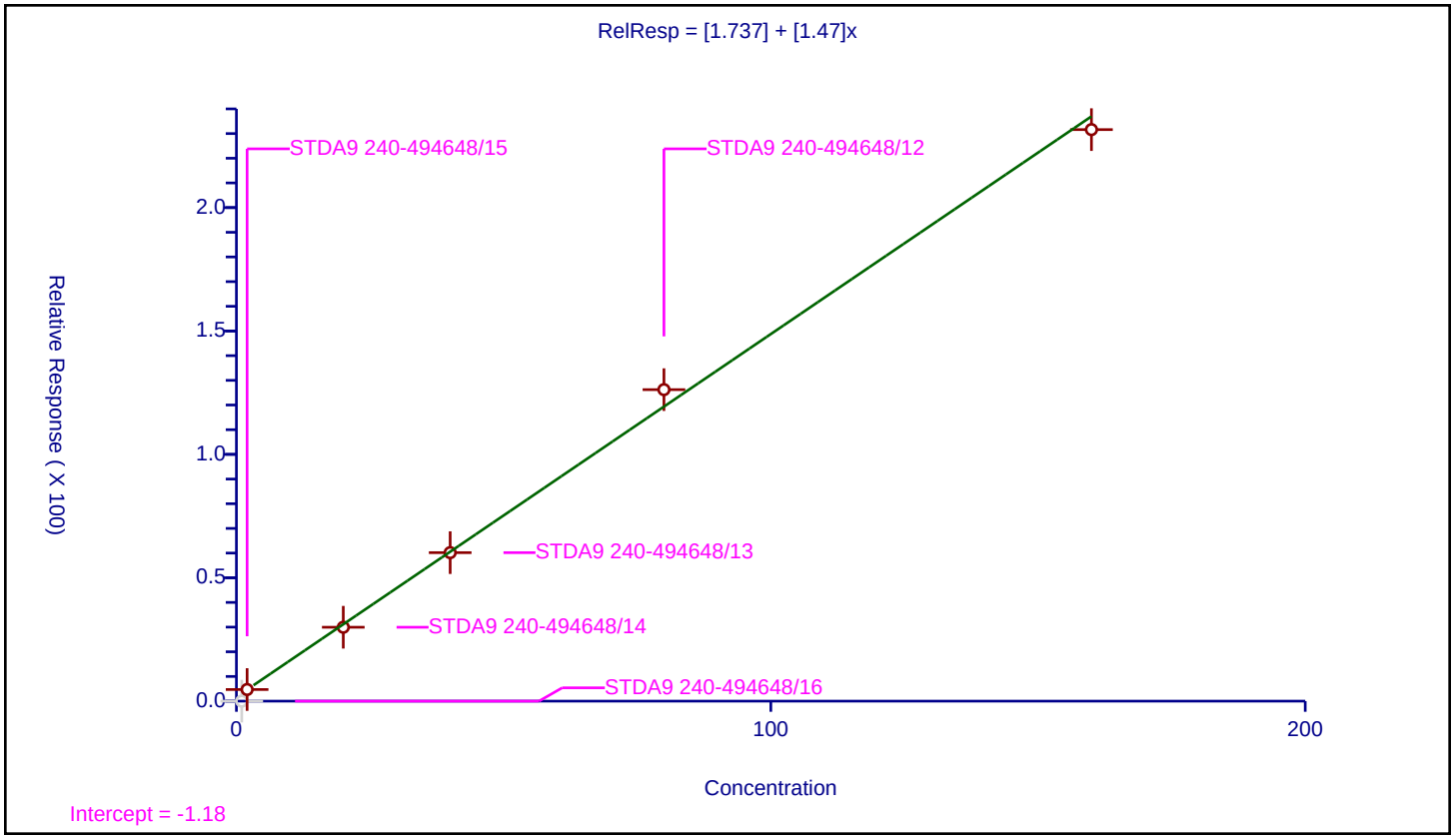
Curve Coefficients

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.: 240-156133-1 Analy Batch No.: 501424

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/27/2021 17:57 Calibration End Date: 08/27/2021 19:48 Calibration ID: 62590

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-501424/9	U1923841.d
Level 2	STD 240-501424/10	U1923842.d
Level 3	STD 240-501424/11	U1923843.d
Level 4	STD 240-501424/12	U1923844.d
Level 5	STD 240-501424/13	U1923845.d
Level 6	STD 240-501424/14	U1923846.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								
Tetrahydrothiophene	0.2187 0.2820	0.2387	0.2467	0.2775	0.2821	Ave		0.2576				10.4		20.0			
1,4-Dichlorobutane	0.4792 0.5000	0.4700	0.4805	0.4980	0.4994	Ave		0.4879				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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1 Analy Batch No.: 501424

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/27/2021 17:57 Calibration End Date: 08/27/2021 19:48 Calibration ID: 62590

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-501424/9	U1923841.d
Level 2	STD 240-501424/10	U1923842.d
Level 3	STD 240-501424/11	U1923843.d
Level 4	STD 240-501424/12	U1923844.d
Level 5	STD 240-501424/13	U1923845.d
Level 6	STD 240-501424/14	U1923846.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
Tetrahydrothiophene	CBNZ d5	Ave	6864 726245	72725	158114	344864	557440	1.05 84.4	10.5	21.1	42.2	63.3
1,4-Dichlorobutane	CBNZ d5	Ave	14258 1221035	135769	291965	586734	935679	1.00 80.0	10.0	20.0	40.0	60.0

Curve Type Legend
Ave = Average ISTD

Calibration / Tetrahydrothiophene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

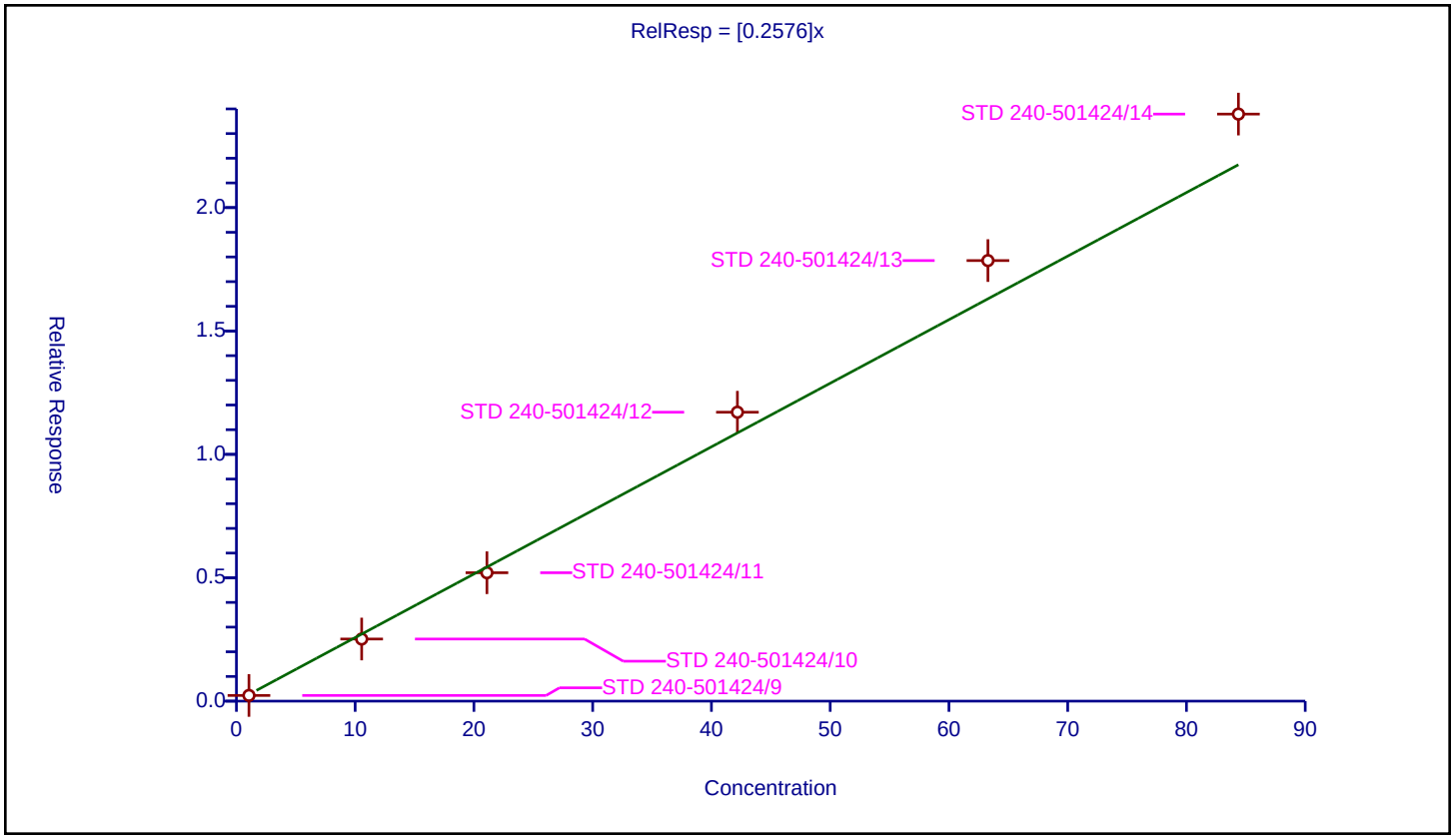
Curve Coefficients

Intercept:	0
Slope:	0.2576

Error Coefficients

Standard Error:	444000
Relative Standard Error:	10.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD 240-501424/9	1.0547	0.230692	20.0	595080.0	0.218727	Y
2	STD 240-501424/10	10.547	2.517699	20.0	577710.0	0.238712	Y
3	STD 240-501424/11	21.094	5.204123	20.0	607649.0	0.246711	Y
4	STD 240-501424/12	42.188	11.70892	20.0	589062.0	0.277541	Y
5	STD 240-501424/13	63.282	17.853048	20.0	624476.0	0.282119	Y
6	STD 240-501424/14	84.376	23.789901	20.0	610549.0	0.281951	Y



Calibration / 1,4-Dichlorobutane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

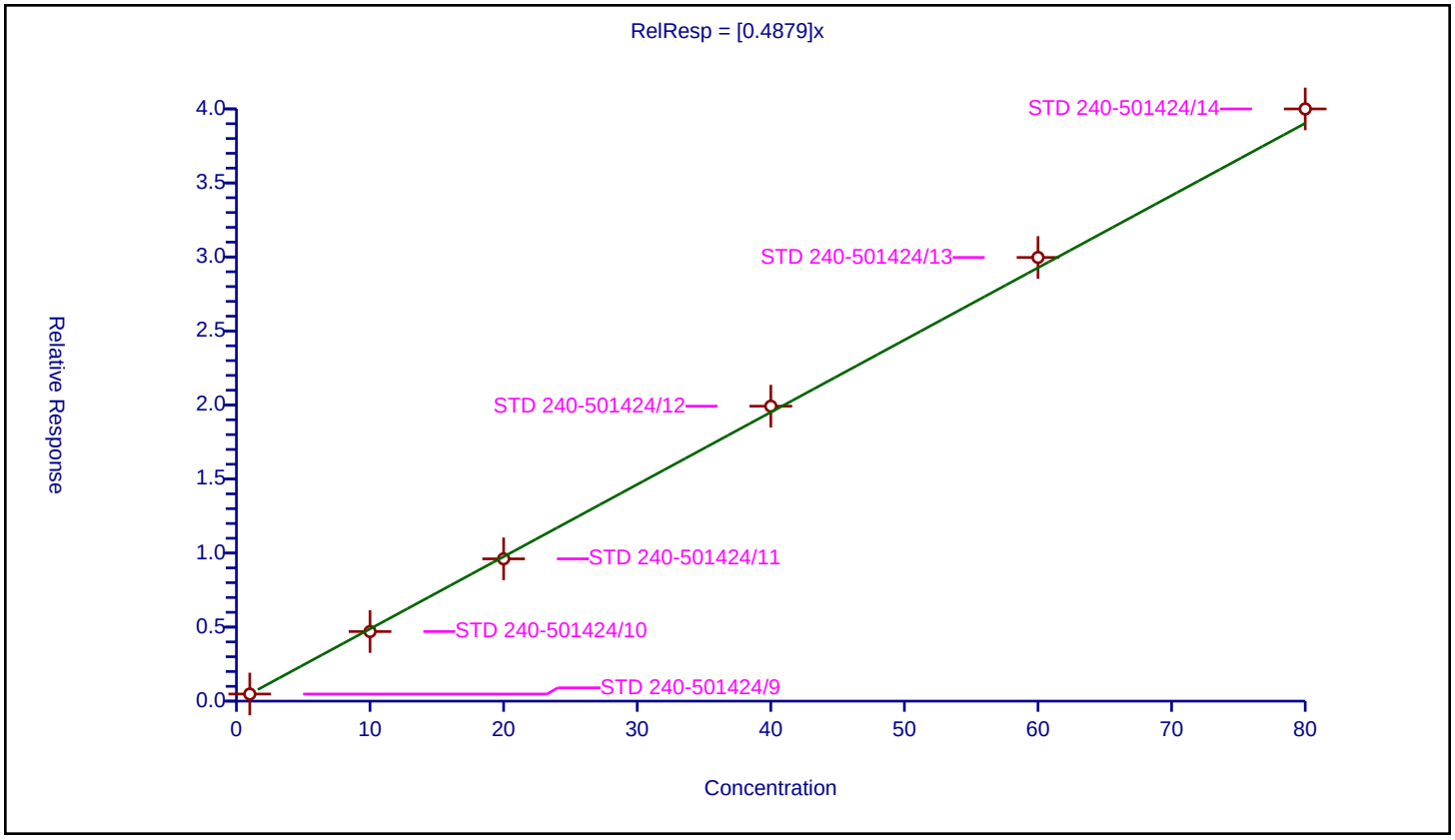
Curve Coefficients

Intercept:	0
Slope:	0.4879

Error Coefficients

Standard Error:	750000
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	STD 240-501424/9	1.0	0.479196	20.0	595080.0	0.479196	Y
2	STD 240-501424/10	10.0	4.700248	20.0	577710.0	0.470025	Y
3	STD 240-501424/11	20.0	9.60966	20.0	607649.0	0.480483	Y
4	STD 240-501424/12	40.0	19.920959	20.0	589062.0	0.498024	Y
5	STD 240-501424/13	60.0	29.966852	20.0	624476.0	0.499448	Y
6	STD 240-501424/14	80.0	39.997936	20.0	610549.0	0.499974	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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.: 240-156133-1

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.: 240-156133-1

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.: 240-156133-1

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.: 240-156133-1

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.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-504263/3 Calibration Date: 09/18/2021 10:15

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: UXM39871.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	0.3966	0.1000	0.0221	0.0200	10.3	20.0
Chloromethane	Ave	0.3711	0.3114	0.1000	0.0168	0.0200	-16.1	20.0
Vinyl chloride	Ave	0.3683	0.3115	0.1000	0.0169	0.0200	-15.4	20.0
Butadiene	Ave	0.3577	0.2890		0.0162	0.0200	-19.2	20.0
Bromomethane	Lin1		0.1722	0.0500	0.0165	0.0200	-17.3	20.0
Chloroethane	Ave	0.2067	0.1961	0.0500	0.0190	0.0200	-5.1	20.0
Dichlorofluoromethane	Ave	0.4696	0.4647		0.0198	0.0200	-1.0	20.0
Trichlorofluoromethane	Ave	0.4002	0.4457	0.1000	0.0223	0.0200	11.4	20.0
Ethyl ether	Ave	0.1785	0.1714		0.0192	0.0200	-4.0	20.0
Acrolein	Ave	0.0109	0.0216		0.197	0.100	97.4*	20.0
1,1-Dichloroethene	Ave	0.2222	0.2307	0.1000	0.0208	0.0200	3.8	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.1731	0.1955	0.0500	0.0226	0.0200	13.0	20.0
Acetone	Lin1		0.0195	0.0100	0.0414	0.0400	3.6	50.0
Iodomethane	Ave	0.2949	0.2675		0.0181	0.0200	-9.3	20.0
Carbon disulfide	Ave	0.7278	0.7054	0.1000	0.0194	0.0200	-3.1	20.0
Methyl acetate	Ave	0.1657	0.1309	0.1000	0.0316	0.0400	-21.0	50.0
3-Chloro-1-propene	Ave	0.3878	0.2485		0.0128	0.0200	-35.9*	20.0
Methylene Chloride	Ave	0.2633	0.2598	0.1000	0.0197	0.0200	-1.3	50.0
tert-Butyl alcohol	Ave	0.0219	0.0058		0.0532	0.200	-73.4*	20.0
Acrylonitrile	Ave	0.0908	0.0822		0.181	0.200	-9.6	20.0
Methyl tert-butyl ether	Ave	0.6160	0.5684	0.1000	0.0185	0.0200	-7.7	20.0
trans-1,2-Dichloroethene	Ave	0.2664	0.2649	0.1000	0.0199	0.0200	-0.6	20.0
Hexane	Ave	0.3512	0.3736		0.0213	0.0200	6.4	20.0
Vinyl acetate	Lin1		0.2975		0.0198	0.0200	-0.9	20.0
1,1-Dichloroethane	Ave	0.4687	0.4205	0.2000	0.0179	0.0200	-10.3	20.0
2-Butanone	Ave	0.0236	0.0247	0.0100	0.0419	0.0400	4.8	50.0
2,2-Dichloropropane	Ave	0.4110	0.2529		0.0123	0.0200	-38.5*	20.0
cis-1,2-Dichloroethene	Ave	0.2958	0.2846	0.1000	0.0192	0.0200	-3.8	20.0
Bromochloromethane	Ave	0.1306	0.1302		0.0199	0.0200	-0.3	20.0
Tetrahydrofuran	Ave	0.0672	0.0587		0.0349	0.0400	-12.7	20.0
Chloroform	Ave	0.4573	0.4422	0.2000	0.0193	0.0200	-3.3	20.0
1,1,1-Trichloroethane	Ave	0.3941	0.3932	0.1000	0.0200	0.0200	-0.2	20.0
Cyclohexane	Ave	0.4354	0.4409	0.1000	0.0203	0.0200	1.3	20.0
1,1-Dichloropropene	Ave	0.3399	0.3593		0.0211	0.0200	5.7	20.0
Carbon tetrachloride	Ave	0.3235	0.3273	0.1000	0.0202	0.0200	1.2	20.0
Isobutyl alcohol	Ave	0.0069	0.0059		0.422	0.500	-15.6	20.0
Benzene	Ave	1.010	1.013	0.5000	0.0200	0.0200	0.2	20.0
1,2-Dichloroethane	Ave	0.3364	0.3368	0.1000	0.0200	0.0200	0.1	20.0
n-Heptane	Lin1		0.2217		0.0205	0.0200	2.4	20.0
Trichloroethene	Ave	0.2625	0.2806	0.1500	0.0214	0.0200	6.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-504263/3 Calibration Date: 09/18/2021 10:15

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: UXM39871.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	0.4811	0.1000	0.0217	0.0200	8.4	20.0
1,2-Dichloropropane	Ave	0.2382	0.2346	0.1000	0.0197	0.0200	-1.5	20.0
1,4-Dioxane	Ave	0.0029	0.0027		0.371	0.400	-7.3	50.0
Dibromomethane	Ave	0.1462	0.1395		0.0191	0.0200	-4.6	20.0
Bromodichloromethane	Ave	0.3399	0.3079	0.1500	0.0181	0.0200	-9.4	20.0
2-Chloroethyl vinyl ether	Ave	0.1366	0.0922		0.0270	0.0400	-32.5*	20.0
cis-1,3-Dichloropropene	Ave	0.3924	0.3728	0.1500	0.0190	0.0200	-5.0	50.0
4-Methyl-2-pentanone	Ave	0.1797	0.1546	0.0500	0.0344	0.0400	-14.0	50.0
Toluene	Ave	1.432	1.425	0.4000	0.0199	0.0200	-0.5	20.0
trans-1,3-Dichloropropene	Ave	0.4496	0.4123	0.1000	0.0183	0.0200	-8.3	20.0
Ethyl methacrylate	Ave	0.3544	0.3208		0.0181	0.0200	-9.5	20.0
1,1,2-Trichloroethane	Ave	0.2444	0.2507	0.1000	0.0205	0.0200	2.5	20.0
Tetrachloroethene	Ave	0.2661	0.2821	0.1500	0.0212	0.0200	6.0	20.0
1,3-Dichloropropane	Ave	0.4464	0.4626		0.0207	0.0200	3.6	20.0
2-Hexanone	Ave	0.1652	0.1373	0.0500	0.0332	0.0400	-16.9	50.0
Dibromochloromethane	Ave	0.2822	0.2619		0.0186	0.0200	-7.2	20.0
1,2-Dibromoethane	Ave	0.2435	0.2613		0.0215	0.0200	7.3	20.0
Chlorobenzene	Ave	0.9137	0.9207	0.3000	0.0202	0.0200	0.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2841	0.2933		0.0207	0.0200	3.3	20.0
Ethylbenzene	Ave	0.5176	0.5192		0.0201	0.0200	0.3	20.0
m-Xylene & p-Xylene	Ave	0.6543	0.6515		0.0199	0.0200	-0.4	20.0
o-Xylene	Ave	0.6167	0.6184		0.0201	0.0200	0.3	20.0
Styrene	Ave	0.9433	1.039	0.3000	0.0220	0.0200	10.2	20.0
Bromoform	Ave	0.1723	0.1541	0.1000	0.0179	0.0200	-10.6	20.0
Isopropylbenzene	Ave	1.619	1.653	0.1000	0.0204	0.0200	2.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5537	0.5469	0.3000	0.0198	0.0200	-1.2	20.0
Bromobenzene	Ave	0.6628	0.6617		0.0200	0.0200	-0.2	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1878	0.1380		0.0147	0.0200	-26.5*	20.0
1,2,3-Trichloropropane	Ave	0.1809	0.1821		0.0201	0.0200	0.7	20.0
n-Propylbenzene	Ave	0.8496	0.8430		0.0198	0.0200	-0.8	20.0
2-Chlorotoluene	Ave	0.6884	0.6917		0.0201	0.0200	0.5	20.0
1,3,5-Trimethylbenzene	Ave	2.541	2.512		0.0198	0.0200	-1.1	20.0
4-Chlorotoluene	Ave	0.7179	0.7172		0.0200	0.0200	-0.0	20.0
tert-Butylbenzene	Ave	2.190	2.164		0.0198	0.0200	-1.2	20.0
1,2,4-Trimethylbenzene	Ave	2.572	2.524		0.0196	0.0200	-1.9	20.0
sec-Butylbenzene	Ave	3.284	3.254		0.0198	0.0200	-0.9	20.0
1,3-Dichlorobenzene	Ave	1.327	1.342	0.6000	0.0202	0.0200	1.1	20.0
p-Isopropyltoluene	Ave	2.798	2.838		0.0203	0.0200	1.4	20.0
1,4-Dichlorobenzene	Ave	1.331	1.337	0.5000	0.0201	0.0200	0.4	20.0
n-Butylbenzene	Ave	2.529	2.474		0.0196	0.0200	-2.2	20.0
1,2-Dichlorobenzene	Ave	1.229	1.202	0.4000	0.0196	0.0200	-2.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-504263/3 Calibration Date: 09/18/2021 10:15

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: UXM39871.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	0.1096	0.0500	0.0168	0.0200	-15.9	50.0
1,2,4-Trichlorobenzene	Ave	0.7137	0.6486	0.2000	0.0182	0.0200	-9.1	50.0
Hexachlorobutadiene	Ave	0.3214	0.3045		0.0189	0.0200	-5.3	50.0
Naphthalene	Ave	1.813	1.597		0.0176	0.0200	-11.9	50.0
1,2,3-Trichlorobenzene	Ave	0.6054	0.5444		0.0180	0.0200	-10.1	20.0
Dibromofluoromethane (Surr)	Ave	0.2427	0.2276		0.0213	0.0227	-6.3	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2866	0.2650		0.0210	0.0227	-7.5	20.0
Toluene-d8 (Surr)	Ave	1.219	1.152		0.0214	0.0227	-5.5	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4689	0.4744		0.0229	0.0227	1.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCV 240-504263/4 Calibration Date: 09/18/2021 10:39

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: UXM39872.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	0.0273		0.173	0.200	-13.7	20.0
Diisopropyl ether	Ave	0.1817	0.1888		0.0208	0.0200	3.9	20.0
2-Chloro-1,3-butadiene	Ave	0.3819	0.3536		0.0185	0.0200	-7.4	20.0
Ethyl-t-butyl ether (ETBE)	Ave	0.6074	0.5923		0.0195	0.0200	-2.5	20.0
Ethyl acetate	Ave	0.1689	0.1581		0.0374	0.0400	-6.4	20.0
Propionitrile	Ave	0.0348	0.0302		0.173	0.200	-13.3	20.0
Methacrylonitrile	Ave	0.1236	0.1143		0.185	0.200	-7.6	20.0
Tert-amyl-methyl ether (TAME)	Ave	0.5775	0.5531		0.0192	0.0200	-4.2	20.0
n-Butanol	Ave	0.0049	0.0051		0.519	0.500	3.7	20.0
Ethyl acrylate	Ave	0.2515	0.2149		0.0171	0.0200	-14.5	20.0
Methyl methacrylate	Ave	0.1743	0.1498		0.0344	0.0400	-14.1	20.0
2-Nitropropane	Lin1		0.0369		0.0211	0.0400	-47.4*	20.0
n-Butyl acetate	Ave	0.2902	0.2322		0.0160	0.0200	-20.0	20.0
1-Chlorohexane	Ave	0.5303	0.4655		0.0176	0.0200	-12.2	20.0
Cyclohexanone	Lin1		0.0144		0.151	0.200	-24.5*	20.0
Pentachloroethane	Ave	0.1090	0.1486		0.0545	0.0400	36.3*	20.0
1,2,3-Trimethylbenzene	Ave	2.601	2.349		0.0181	0.0200	-9.7	20.0
Benzyl chloride	Ave	0.2725	0.1746		0.0128	0.0200	-35.9*	20.0
1,3,5-Trichlorobenzene	Ave	0.9222	0.8025		0.0174	0.0200	-13.0	20.0
2-Methylnaphthalene	Ave	0.7431	0.5507		0.0296	0.0400	-25.9*	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-504389/3 Calibration Date: 09/20/2021 10:23

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: UXM39901.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	0.4254	0.1000	0.0237	0.0200	18.3	20.0
Chloromethane	Ave	0.3711	0.3355	0.1000	0.0181	0.0200	-9.6	20.0
Vinyl chloride	Ave	0.3683	0.3358	0.1000	0.0182	0.0200	-8.8	20.0
Butadiene	Ave	0.3577	0.3112		0.0174	0.0200	-13.0	20.0
Bromomethane	Lin1		0.1877	0.0500	0.0181	0.0200	-9.6	20.0
Chloroethane	Ave	0.2067	0.2107	0.0500	0.0204	0.0200	2.0	20.0
Dichlorofluoromethane	Ave	0.4696	0.4999		0.0213	0.0200	6.5	20.0
Trichlorofluoromethane	Ave	0.4002	0.4835	0.1000	0.0242	0.0200	20.8*	20.0
Ethyl ether	Ave	0.1785	0.1761		0.0197	0.0200	-1.4	20.0
Acrolein	Ave	0.0109	0.0336		0.307	0.100	207.3*	20.0
1,1-Dichloroethene	Ave	0.2222	0.2442	0.1000	0.0220	0.0200	9.9	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.1731	0.2049	0.0500	0.0237	0.0200	18.4	20.0
Acetone	Lin1		0.0218	0.0100	0.0467	0.0400	16.7	50.0
Iodomethane	Ave	0.2949	0.2836		0.0192	0.0200	-3.9	20.0
Carbon disulfide	Ave	0.7278	0.7475	0.1000	0.0205	0.0200	2.7	20.0
Methyl acetate	Ave	0.1657	0.1403	0.1000	0.0339	0.0400	-15.3	50.0
3-Chloro-1-propene	Ave	0.3878	0.3049		0.0157	0.0200	-21.4*	20.0
Methylene Chloride	Ave	0.2633	0.2797	0.1000	0.0212	0.0200	6.2	50.0
tert-Butyl alcohol	Ave	0.0219	0.0109		0.0990	0.200	-50.5*	20.0
Acrylonitrile	Ave	0.0908	0.0864		0.190	0.200	-4.9	20.0
Methyl tert-butyl ether	Ave	0.6160	0.5510	0.1000	0.0179	0.0200	-10.6	20.0
trans-1,2-Dichloroethene	Ave	0.2664	0.2785	0.1000	0.0209	0.0200	4.5	20.0
Hexane	Ave	0.3512	0.3661		0.0208	0.0200	4.2	20.0
Vinyl acetate	Lin1		0.3432		0.0228	0.0200	13.9	20.0
1,1-Dichloroethane	Ave	0.4687	0.4608	0.2000	0.0197	0.0200	-1.7	20.0
2-Butanone	Ave	0.0236	0.0255	0.0100	0.0433	0.0400	8.2	50.0
2,2-Dichloropropane	Ave	0.4110	0.3071		0.0149	0.0200	-25.3*	20.0
cis-1,2-Dichloroethene	Ave	0.2958	0.3045	0.1000	0.0206	0.0200	3.0	20.0
Bromochloromethane	Ave	0.1306	0.1452		0.0222	0.0200	11.2	20.0
Tetrahydrofuran	Ave	0.0672	0.0608		0.0362	0.0400	-9.6	20.0
Chloroform	Ave	0.4573	0.4688	0.2000	0.0205	0.0200	2.5	20.0
1,1,1-Trichloroethane	Ave	0.3941	0.4143	0.1000	0.0210	0.0200	5.1	20.0
Cyclohexane	Ave	0.4354	0.4538	0.1000	0.0208	0.0200	4.2	20.0
1,1-Dichloropropene	Ave	0.3399	0.3681		0.0217	0.0200	8.3	20.0
Carbon tetrachloride	Ave	0.3235	0.3381	0.1000	0.0209	0.0200	4.5	20.0
Isobutyl alcohol	Ave	0.0069	0.0063		0.451	0.500	-9.8	20.0
Benzene	Ave	1.010	1.035	0.5000	0.0205	0.0200	2.4	20.0
1,2-Dichloroethane	Ave	0.3364	0.3400	0.1000	0.0202	0.0200	1.1	20.0
n-Heptane	Lin1		0.2275		0.0211	0.0200	5.6	20.0
Trichloroethene	Ave	0.2625	0.2792	0.1500	0.0213	0.0200	6.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-504389/3 Calibration Date: 09/20/2021 10:23

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: UXM39901.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	0.4885	0.1000	0.0220	0.0200	10.1	20.0
1,2-Dichloropropane	Ave	0.2382	0.2408	0.1000	0.0202	0.0200	1.1	20.0
1,4-Dioxane	Ave	0.0029	0.0027		0.376	0.400	-6.1	50.0
Dibromomethane	Ave	0.1462	0.1487		0.0203	0.0200	1.7	20.0
Bromodichloromethane	Ave	0.3399	0.3214	0.1500	0.0189	0.0200	-5.4	20.0
2-Chloroethyl vinyl ether	Ave	0.1366	0.0631		0.0185	0.0400	-53.8*	20.0
cis-1,3-Dichloropropene	Ave	0.3924	0.3775	0.1500	0.0192	0.0200	-3.8	50.0
4-Methyl-2-pentanone	Ave	0.1797	0.1512	0.0500	0.0337	0.0400	-15.9	50.0
Toluene	Ave	1.432	1.418	0.4000	0.0198	0.0200	-1.0	20.0
trans-1,3-Dichloropropene	Ave	0.4496	0.4114	0.1000	0.0183	0.0200	-8.5	20.0
Ethyl methacrylate	Ave	0.3544	0.3139		0.0177	0.0200	-11.4	20.0
1,1,2-Trichloroethane	Ave	0.2444	0.2425	0.1000	0.0198	0.0200	-0.8	20.0
Tetrachloroethene	Ave	0.2661	0.2778	0.1500	0.0209	0.0200	4.4	20.0
1,3-Dichloropropane	Ave	0.4464	0.4390		0.0197	0.0200	-1.7	20.0
2-Hexanone	Ave	0.1652	0.1424	0.0500	0.0345	0.0400	-13.8	50.0
Dibromochloromethane	Ave	0.2822	0.2605		0.0185	0.0200	-7.7	20.0
1,2-Dibromoethane	Ave	0.2435	0.2495		0.0205	0.0200	2.5	20.0
Chlorobenzene	Ave	0.9137	0.9334	0.3000	0.0204	0.0200	2.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2841	0.2838		0.0200	0.0200	-0.1	20.0
Ethylbenzene	Ave	0.5176	0.5260		0.0203	0.0200	1.6	20.0
m-Xylene & p-Xylene	Ave	0.6543	0.6638		0.0203	0.0200	1.4	20.0
o-Xylene	Ave	0.6167	0.6307		0.0205	0.0200	2.3	20.0
Styrene	Ave	0.9433	1.081	0.3000	0.0229	0.0200	14.6	20.0
Bromoform	Ave	0.1723	0.1551	0.1000	0.0180	0.0200	-10.0	20.0
Isopropylbenzene	Ave	1.619	1.685	0.1000	0.0208	0.0200	4.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5537	0.5165	0.3000	0.0187	0.0200	-6.7	20.0
Bromobenzene	Ave	0.6628	0.6519		0.0197	0.0200	-1.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1878	0.1403		0.0149	0.0200	-25.3*	20.0
1,2,3-Trichloropropane	Ave	0.1809	0.1762		0.0195	0.0200	-2.6	20.0
n-Propylbenzene	Ave	0.8496	0.8358		0.0197	0.0200	-1.6	20.0
2-Chlorotoluene	Ave	0.6884	0.6695		0.0195	0.0200	-2.7	20.0
1,3,5-Trimethylbenzene	Ave	2.541	2.504		0.0197	0.0200	-1.5	20.0
4-Chlorotoluene	Ave	0.7179	0.7098		0.0198	0.0200	-1.1	20.0
tert-Butylbenzene	Ave	2.190	2.124		0.0194	0.0200	-3.0	20.0
1,2,4-Trimethylbenzene	Ave	2.572	2.509		0.0195	0.0200	-2.5	20.0
sec-Butylbenzene	Ave	3.284	3.216		0.0196	0.0200	-2.1	20.0
1,3-Dichlorobenzene	Ave	1.327	1.313	0.6000	0.0198	0.0200	-1.1	20.0
p-Isopropyltoluene	Ave	2.798	2.796		0.0200	0.0200	-0.1	20.0
1,4-Dichlorobenzene	Ave	1.331	1.310	0.5000	0.0197	0.0200	-1.6	20.0
n-Butylbenzene	Ave	2.529	2.502		0.0198	0.0200	-1.0	20.0
1,2-Dichlorobenzene	Ave	1.229	1.183	0.4000	0.0193	0.0200	-3.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-504389/3 Calibration Date: 09/20/2021 10:23

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: UXM39901.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	0.1092	0.0500	0.0167	0.0200	-16.3	50.0
1,2,4-Trichlorobenzene	Ave	0.7137	0.6421	0.2000	0.0180	0.0200	-10.0	50.0
Hexachlorobutadiene	Ave	0.3214	0.3044		0.0189	0.0200	-5.3	50.0
Naphthalene	Ave	1.813	1.599		0.0176	0.0200	-11.8	50.0
1,2,3-Trichlorobenzene	Ave	0.6054	0.5471		0.0181	0.0200	-9.6	20.0
Dibromofluoromethane (Surr)	Ave	0.2427	0.2429		0.0227	0.0227	0.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2866	0.2756		0.0218	0.0227	-3.8	20.0
Toluene-d8 (Surr)	Ave	1.219	1.157		0.0215	0.0227	-5.1	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4689	0.4841		0.0234	0.0227	3.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCV 240-504389/4 Calibration Date: 09/20/2021 10:47

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: UXM39902.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	0.0250		0.158	0.200	-20.8*	20.0
Diisopropyl ether	Ave	0.1817	0.1952		0.0215	0.0200	7.4	20.0
2-Chloro-1,3-butadiene	Ave	0.3819	0.3600		0.0189	0.0200	-5.7	20.0
Ethyl-t-butyl ether (ETBE)	Ave	0.6074	0.5851		0.0193	0.0200	-3.7	20.0
Ethyl acetate	Ave	0.1689	0.1593		0.0377	0.0400	-5.7	20.0
Propionitrile	Ave	0.0348	0.0283		0.162	0.200	-18.8	20.0
Methacrylonitrile	Ave	0.1236	0.1132		0.183	0.200	-8.4	20.0
Tert-amyl-methyl ether (TAME)	Ave	0.5775	0.5448		0.0189	0.0200	-5.7	20.0
n-Butanol	Ave	0.0049	0.0051		0.521	0.500	4.2	20.0
Ethyl acrylate	Ave	0.2515	0.2224		0.0177	0.0200	-11.6	20.0
Methyl methacrylate	Ave	0.1743	0.1504		0.0345	0.0400	-13.8	20.0
2-Nitropropane	Lin1		0.0374		0.0214	0.0400	-46.6*	20.0
n-Butyl acetate	Ave	0.2902	0.2487		0.0171	0.0200	-14.3	20.0
1-Chlorohexane	Ave	0.5303	0.4750		0.0179	0.0200	-10.4	20.0
Cyclohexanone	Lin1		0.0134		0.140	0.200	-30.0*	20.0
Pentachloroethane	Ave	0.1090	0.1684		0.0618	0.0400	54.5*	20.0
1,2,3-Trimethylbenzene	Ave	2.601	2.325		0.0179	0.0200	-10.6	20.0
Benzyl chloride	Ave	0.2725	0.1722		0.0126	0.0200	-36.8*	20.0
1,3,5-Trichlorobenzene	Ave	0.9222	0.7954		0.0172	0.0200	-13.8	20.0
2-Methylnaphthalene	Ave	0.7431	0.5173		0.0278	0.0400	-30.4*	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-505049/3 Calibration Date: 09/23/2021 11:14

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: UXM40032.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	0.3842	0.1000	0.0214	0.0200	6.8	20.0
Chloromethane	Ave	0.3711	0.3194	0.1000	0.0172	0.0200	-13.9	20.0
Vinyl chloride	Ave	0.3683	0.3292	0.1000	0.0179	0.0200	-10.6	20.0
Butadiene	Ave	0.3577	0.3036		0.0170	0.0200	-15.1	20.0
Bromomethane	Lin1		0.1760	0.0500	0.0169	0.0200	-15.4	20.0
Chloroethane	Ave	0.2067	0.1939	0.0500	0.0188	0.0200	-6.2	20.0
Dichlorofluoromethane	Ave	0.4696	0.4787		0.0204	0.0200	1.9	20.0
Trichlorofluoromethane	Ave	0.4002	0.4622	0.1000	0.0231	0.0200	15.5	20.0
Ethyl ether	Ave	0.1785	0.1651		0.0185	0.0200	-7.5	20.0
Acrolein	Ave	0.0109	0.0282		0.258	0.100	157.9*	20.0
1,1-Dichloroethene	Ave	0.2222	0.2155	0.1000	0.0194	0.0200	-3.0	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.1731	0.1906	0.0500	0.0220	0.0200	10.1	20.0
Acetone	Lin1		0.0217	0.0100	0.0464	0.0400	15.9	50.0
Iodomethane	Ave	0.2949	0.2273		0.0154	0.0200	-22.9*	20.0
Carbon disulfide	Ave	0.7278	0.6598	0.1000	0.0181	0.0200	-9.3	20.0
Methyl acetate	Ave	0.1657	0.1254	0.1000	0.0303	0.0400	-24.3	50.0
3-Chloro-1-propene	Ave	0.3878	0.2323		0.0120	0.0200	-40.1*	20.0
Methylene Chloride	Ave	0.2633	0.2483	0.1000	0.0189	0.0200	-5.7	50.0
tert-Butyl alcohol	Ave	0.0219	0.0050		0.0454	0.200	-77.3*	20.0
Acrylonitrile	Ave	0.0908	0.0818		0.180	0.200	-10.0	20.0
Methyl tert-butyl ether	Ave	0.6160	0.5448	0.1000	0.0177	0.0200	-11.6	20.0
trans-1,2-Dichloroethene	Ave	0.2664	0.2537	0.1000	0.0190	0.0200	-4.8	20.0
Hexane	Ave	0.3512	0.3530		0.0201	0.0200	0.5	20.0
Vinyl acetate	Lin1		0.3244		0.0216	0.0200	7.8	20.0
1,1-Dichloroethane	Ave	0.4687	0.4076	0.2000	0.0174	0.0200	-13.0	20.0
2-Butanone	Ave	0.0236	0.0254	0.0100	0.0432	0.0400	7.9	50.0
2,2-Dichloropropane	Ave	0.4110	0.2398		0.0117	0.0200	-41.7*	20.0
cis-1,2-Dichloroethene	Ave	0.2958	0.2775	0.1000	0.0188	0.0200	-6.2	20.0
Bromochloromethane	Ave	0.1306	0.1265		0.0194	0.0200	-3.2	20.0
Tetrahydrofuran	Ave	0.0672	0.0567		0.0337	0.0400	-15.7	20.0
Chloroform	Ave	0.4573	0.4352	0.2000	0.0190	0.0200	-4.8	20.0
1,1,1-Trichloroethane	Ave	0.3941	0.3834	0.1000	0.0195	0.0200	-2.7	20.0
Cyclohexane	Ave	0.4354	0.4219	0.1000	0.0194	0.0200	-3.1	20.0
1,1-Dichloropropene	Ave	0.3399	0.3488		0.0205	0.0200	2.6	20.0
Carbon tetrachloride	Ave	0.3235	0.3146	0.1000	0.0195	0.0200	-2.7	20.0
Isobutyl alcohol	Ave	0.0069	0.0064		0.459	0.500	-8.2	20.0
Benzene	Ave	1.010	0.9880	0.5000	0.0196	0.0200	-2.2	20.0
1,2-Dichloroethane	Ave	0.3364	0.3213	0.1000	0.0191	0.0200	-4.5	20.0
n-Heptane	Lin1		0.2158		0.0198	0.0200	-0.8	20.0
Trichloroethene	Ave	0.2625	0.2673	0.1500	0.0204	0.0200	1.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-505049/3 Calibration Date: 09/23/2021 11:14

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: UXM40032.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	0.4670	0.1000	0.0210	0.0200	5.2	20.0
1,2-Dichloropropane	Ave	0.2382	0.2266	0.1000	0.0190	0.0200	-4.8	20.0
1,4-Dioxane	Ave	0.0029	0.0027		0.379	0.400	-5.3	50.0
Dibromomethane	Ave	0.1462	0.1355		0.0185	0.0200	-7.3	20.0
Bromodichloromethane	Ave	0.3399	0.3044	0.1500	0.0179	0.0200	-10.4	20.0
2-Chloroethyl vinyl ether	Ave	0.1366	0.0956		0.0280	0.0400	-30.0*	20.0
cis-1,3-Dichloropropene	Ave	0.3924	0.3605	0.1500	0.0184	0.0200	-8.1	50.0
4-Methyl-2-pentanone	Ave	0.1797	0.1579	0.0500	0.0351	0.0400	-12.2	50.0
Toluene	Ave	1.432	1.373	0.4000	0.0192	0.0200	-4.1	20.0
trans-1,3-Dichloropropene	Ave	0.4496	0.3896	0.1000	0.0173	0.0200	-13.3	20.0
Ethyl methacrylate	Ave	0.3544	0.3107		0.0175	0.0200	-12.3	20.0
1,1,2-Trichloroethane	Ave	0.2444	0.2440	0.1000	0.0200	0.0200	-0.2	20.0
Tetrachloroethene	Ave	0.2661	0.2759	0.1500	0.0207	0.0200	3.7	20.0
1,3-Dichloropropane	Ave	0.4464	0.4465		0.0200	0.0200	0.0	20.0
2-Hexanone	Ave	0.1652	0.1461	0.0500	0.0354	0.0400	-11.6	50.0
Dibromochloromethane	Ave	0.2822	0.2536		0.0180	0.0200	-10.1	20.0
1,2-Dibromoethane	Ave	0.2435	0.2490		0.0205	0.0200	2.3	20.0
Chlorobenzene	Ave	0.9137	0.8975	0.3000	0.0196	0.0200	-1.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2841	0.2865		0.0202	0.0200	0.9	20.0
Ethylbenzene	Ave	0.5176	0.4993		0.0193	0.0200	-3.5	20.0
m-Xylene & p-Xylene	Ave	0.6543	0.6361		0.0194	0.0200	-2.8	20.0
o-Xylene	Ave	0.6167	0.6001		0.0195	0.0200	-2.7	20.0
Styrene	Ave	0.9433	1.005	0.3000	0.0213	0.0200	6.6	20.0
Bromoform	Ave	0.1723	0.1502	0.1000	0.0174	0.0200	-12.8	20.0
Isopropylbenzene	Ave	1.619	1.596	0.1000	0.0197	0.0200	-1.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5537	0.5235	0.3000	0.0189	0.0200	-5.5	20.0
Bromobenzene	Ave	0.6628	0.6181		0.0187	0.0200	-6.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1878	0.1281		0.0136	0.0200	-31.8*	20.0
1,2,3-Trichloropropane	Ave	0.1809	0.1767		0.0195	0.0200	-2.3	20.0
n-Propylbenzene	Ave	0.8496	0.7892		0.0186	0.0200	-7.1	20.0
2-Chlorotoluene	Ave	0.6884	0.6335		0.0184	0.0200	-8.0	20.0
1,3,5-Trimethylbenzene	Ave	2.541	2.340		0.0184	0.0200	-7.9	20.0
4-Chlorotoluene	Ave	0.7179	0.6876		0.0192	0.0200	-4.2	20.0
tert-Butylbenzene	Ave	2.190	2.043		0.0187	0.0200	-6.7	20.0
1,2,4-Trimethylbenzene	Ave	2.572	2.351		0.0183	0.0200	-8.6	20.0
sec-Butylbenzene	Ave	3.284	3.081		0.0188	0.0200	-6.2	20.0
1,3-Dichlorobenzene	Ave	1.327	1.237	0.6000	0.0186	0.0200	-6.8	20.0
p-Isopropyltoluene	Ave	2.798	2.629		0.0188	0.0200	-6.0	20.0
1,4-Dichlorobenzene	Ave	1.331	1.256	0.5000	0.0189	0.0200	-5.7	20.0
n-Butylbenzene	Ave	2.529	2.340		0.0185	0.0200	-7.5	20.0
1,2-Dichlorobenzene	Ave	1.229	1.127	0.4000	0.0183	0.0200	-8.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-505049/3 Calibration Date: 09/23/2021 11:14

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: UXM40032.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	0.1089	0.0500	0.0167	0.0200	-16.5	50.0
1,2,4-Trichlorobenzene	Ave	0.7137	0.5963	0.2000	0.0167	0.0200	-16.4	50.0
Hexachlorobutadiene	Ave	0.3214	0.2962		0.0184	0.0200	-7.9	50.0
Naphthalene	Ave	1.813	1.472		0.0162	0.0200	-18.8	50.0
1,2,3-Trichlorobenzene	Ave	0.6054	0.5029		0.0166	0.0200	-16.9	20.0
Dibromofluoromethane (Surr)	Ave	0.2427	0.2291		0.0214	0.0227	-5.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2866	0.2658		0.0210	0.0227	-7.3	20.0
Toluene-d8 (Surr)	Ave	1.219	1.167		0.0217	0.0227	-4.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4689	0.4826		0.0233	0.0227	2.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCV 240-505049/4 Calibration Date: 09/23/2021 11:39

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: UXM40033.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	0.0274		0.173	0.200	-13.4	20.0
Diisopropyl ether	Ave	0.1817	0.1944		0.0214	0.0200	7.0	20.0
2-Chloro-1,3-butadiene	Ave	0.3819	0.3631		0.0190	0.0200	-4.9	20.0
Ethyl-t-butyl ether (ETBE)	Ave	0.6074	0.5994		0.0197	0.0200	-1.3	20.0
Ethyl acetate	Ave	0.1689	0.1687		0.0400	0.0400	-0.1	20.0
Propionitrile	Ave	0.0348	0.0308		0.177	0.200	-11.5	20.0
Methacrylonitrile	Ave	0.1236	0.1219		0.197	0.200	-1.4	20.0
Tert-amyl-methyl ether (TAME)	Ave	0.5775	0.5669		0.0196	0.0200	-1.8	20.0
n-Butanol	Ave	0.0049	0.0055		0.560	0.500	11.9	20.0
Ethyl acrylate	Ave	0.2515	0.2330		0.0185	0.0200	-7.3	20.0
Methyl methacrylate	Ave	0.1743	0.1612		0.0370	0.0400	-7.5	20.0
2-Nitropropane	Lin1		0.0413		0.0238	0.0400	-40.5*	20.0
n-Butyl acetate	Ave	0.2902	0.2642		0.0182	0.0200	-8.9	20.0
1-Chlorohexane	Ave	0.5303	0.4649		0.0175	0.0200	-12.3	20.0
Cyclohexanone	Lin1		0.0150		0.158	0.200	-20.9*	20.0
Pentachloroethane	Ave	0.1090	0.1543		0.0566	0.0400	41.6*	20.0
1,2,3-Trimethylbenzene	Ave	2.601	2.316		0.0178	0.0200	-11.0	20.0
Benzyl chloride	Ave	0.2725	0.1740		0.0128	0.0200	-36.1*	20.0
1,3,5-Trichlorobenzene	Ave	0.9222	0.8042		0.0174	0.0200	-12.8	20.0
2-Methylnaphthalene	Ave	0.7431	0.5549		0.0299	0.0400	-25.3*	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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.: 240-156133-1

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.: 240-156133-1

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.: 240-156133-1

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.: 240-156133-1

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.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-501424/15 Calibration Date: 08/27/2021 20:11

Instrument ID: A3UX19 Calib Start Date: 08/27/2021 17:57

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 08/27/2021 19:48

Lab File ID: U1923847.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
Tetrahydrothiophene	Ave	0.2576	0.2542		0.0208	0.0211	-1.3	30.0
1,4-Dichlorobutane	Ave	0.4879	0.4948		0.0203	0.0200	1.4	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCV 240-504290/3 Calibration Date: 09/18/2021 11:48

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: U1924231.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	0.0460		0.168	0.200	-16.1	20.0
Diisopropyl ether	Ave	0.2146	0.1829		0.0170	0.0200	-14.8	20.0
2-Chloro-1,3-butadiene	Ave	0.4180	0.3396		0.0162	0.0200	-18.8	20.0
Ethyl-t-butyl ether (ETBE)	Ave	0.7485	0.5772		0.0154	0.0200	-22.9*	20.0
Ethyl acetate	Ave	0.3736	0.3029		0.0324	0.0400	-18.9	20.0
Propionitrile	Ave	0.0657	0.0572		0.174	0.200	-12.9	20.0
Methacrylonitrile	Ave	0.2248	0.1890		0.168	0.200	-15.9	20.0
Tert-amyl-methyl ether (TAME)	Ave	0.8146	0.6484		0.0159	0.0200	-20.4*	20.0
n-Butanol	Ave	0.0170	0.0143		0.420	0.500	-16.0	20.0
Ethyl acrylate	Ave	0.4304	0.3554		0.0165	0.0200	-17.4	20.0
Methyl methacrylate	Ave	0.2859	0.2188		0.0306	0.0400	-23.5*	20.0
2-Nitropropane	Ave	0.1252	0.0761		0.0243	0.0400	-39.2*	20.0
n-Butyl acetate	Ave	0.6631	0.5009		0.0151	0.0200	-24.5*	20.0
1-Chlorohexane	Ave	0.4428	0.4154		0.0188	0.0200	-6.2	20.0
Cyclohexanone	Ave	0.0232	0.0168		0.145	0.200	-27.4*	20.0
Pentachloroethane	Ave	0.3898	0.3811		0.0391	0.0400	-2.2	20.0
1,2,3-Trimethylbenzene	Ave	2.326	2.228		0.0192	0.0200	-4.2	20.0
Benzyl chloride	Ave	1.662	1.367		0.0165	0.0200	-17.7	20.0
1,3,5-Trichlorobenzene	Ave	1.002	0.9529		0.0190	0.0200	-4.9	20.0
2-Methylnaphthalene	Lin1		1.098		0.0261	0.0400	-34.7*	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-504290/4 Calibration Date: 09/18/2021 12:10

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: U1924232.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	0.3661	0.1000	0.0271	0.0200	35.7*	20.0
Chloromethane	Ave	0.4086	0.3510	0.1000	0.0172	0.0200	-14.1	20.0
Vinyl chloride	Ave	0.3837	0.3529	0.1000	0.0184	0.0200	-8.0	20.0
Butadiene	Ave	0.3716	0.3441		0.0185	0.0200	-7.4	20.0
Bromomethane	Ave	0.2884	0.2983	0.0500	0.0207	0.0200	3.4	20.0
Chloroethane	Ave	0.2291	0.2424	0.0500	0.0212	0.0200	5.8	20.0
Dichlorofluoromethane	Ave	0.6152	0.6155		0.0200	0.0200	0.0	20.0
Trichlorofluoromethane	Ave	0.5664	0.6691	0.1000	0.0236	0.0200	18.1	20.0
Ethyl ether	Ave	0.2232	0.1926		0.0173	0.0200	-13.7	20.0
Acrolein	Ave	0.0063	0.0084		0.135	0.100	34.5*	20.0
1,1-Dichloroethene	Ave	0.3776	0.3421	0.1000	0.0181	0.0200	-9.4	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.2403	0.2567	0.0500	0.0214	0.0200	6.8	20.0
Acetone	Ave	0.1334	0.1047	0.0100	0.0314	0.0400	-21.5	50.0
Iodomethane	Ave	0.4534	0.4181		0.0184	0.0200	-7.8	20.0
Carbon disulfide	Ave	0.8214	0.6526	0.1000	0.0159	0.0200	-20.5*	20.0
Methyl acetate	Ave	0.3051	0.2474	0.1000	0.0324	0.0400	-18.9	50.0
3-Chloro-1-propene	Ave	0.4023	0.2904		0.0144	0.0200	-27.8*	20.0
Methylene Chloride	Ave	0.3392	0.2848	0.1000	0.0168	0.0200	-16.1	50.0
tert-Butyl alcohol	Ave	0.0549	0.0371		0.135	0.200	-32.3*	20.0
Acrylonitrile	Ave	0.1533	0.1270		0.166	0.200	-17.2	20.0
Methyl tert-butyl ether	Ave	0.8066	0.6466	0.1000	0.0160	0.0200	-19.8	20.0
trans-1,2-Dichloroethene	Ave	0.3879	0.3358	0.1000	0.0173	0.0200	-13.4	20.0
Hexane	Ave	0.3466	0.3199		0.0185	0.0200	-7.7	20.0
Vinyl acetate	Ave	0.6391	0.4121		0.0129	0.0200	-35.5*	20.0
1,1-Dichloroethane	Ave	0.4744	0.4161	0.2000	0.0175	0.0200	-12.3	20.0
2-Butanone	Ave	0.0565	0.0476	0.0100	0.0337	0.0400	-15.7	50.0
cis-1,2-Dichloroethene	Ave	0.3131	0.2842	0.1000	0.0182	0.0200	-9.2	20.0
2,2-Dichloropropane	Ave	0.3243	0.2698		0.0166	0.0200	-16.8	20.0
Bromochloromethane	Ave	0.2490	0.2069		0.0166	0.0200	-16.9	20.0
Tetrahydrofuran	Ave	0.1511	0.1036		0.0274	0.0400	-31.4*	20.0
Chloroform	Ave	0.5001	0.4619	0.2000	0.0185	0.0200	-7.6	20.0
1,1,1-Trichloroethane	Ave	0.4499	0.4207	0.1000	0.0187	0.0200	-6.5	20.0
Cyclohexane	Ave	0.3665	0.3570	0.1000	0.0195	0.0200	-2.6	20.0
1,1-Dichloropropene	Ave	0.3884	0.3658		0.0188	0.0200	-5.8	20.0
Isobutyl alcohol	Ave	0.0204	0.0153		0.376	0.500	-24.8*	20.0
Carbon tetrachloride	Ave	0.4105	0.3894	0.1000	0.0190	0.0200	-5.2	20.0
Benzene	Ave	1.043	0.9768	0.5000	0.0187	0.0200	-6.3	20.0
1,2-Dichloroethane	Ave	0.4037	0.3422	0.1000	0.0170	0.0200	-15.2	20.0
n-Heptane	Lin1		0.1669		0.0170	0.0200	-15.0	20.0
Trichloroethene	Ave	0.3268	0.3070	0.1500	0.0188	0.0200	-6.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-504290/4 Calibration Date: 09/18/2021 12:10

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: U1924232.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	0.3942	0.1000	0.0187	0.0200	-6.4	20.0
1,2-Dichloropropane	Ave	0.2560	0.2200	0.1000	0.0172	0.0200	-14.1	20.0
1,4-Dioxane	Ave	0.0047	0.0044		0.375	0.400	-6.2	50.0
Dibromomethane	Ave	0.2338	0.2173		0.0186	0.0200	-7.1	20.0
Bromodichloromethane	Ave	0.3738	0.3173	0.1500	0.0170	0.0200	-15.1	20.0
2-Chloroethyl vinyl ether	Ave	0.1938	0.1559		0.0322	0.0400	-19.6	20.0
cis-1,3-Dichloropropene	Ave	0.4394	0.3407	0.1500	0.0155	0.0200	-22.5	50.0
4-Methyl-2-pentanone	Ave	0.4235	0.3072	0.0500	0.0290	0.0400	-27.5	50.0
Toluene	Ave	1.410	1.406	0.4000	0.0199	0.0200	-0.3	20.0
trans-1,3-Dichloropropene	Ave	0.5402	0.4293	0.1000	0.0159	0.0200	-20.5*	20.0
Ethyl methacrylate	Ave	0.4769	0.3998		0.0168	0.0200	-16.2	20.0
1,1,2-Trichloroethane	Ave	0.2994	0.3019	0.1000	0.0202	0.0200	0.9	20.0
Tetrachloroethene	Ave	0.4206	0.4363	0.1500	0.0207	0.0200	3.7	20.0
1,3-Dichloropropane	Ave	0.5132	0.5019		0.0196	0.0200	-2.2	20.0
2-Hexanone	Ave	0.4173	0.3165	0.0500	0.0303	0.0400	-24.1	50.0
Dibromochloromethane	Ave	0.3735	0.3443		0.0184	0.0200	-7.8	20.0
1,2-Dibromoethane	Ave	0.3506	0.3371		0.0192	0.0200	-3.9	20.0
Chlorobenzene	Ave	0.9300	0.9205	0.3000	0.0198	0.0200	-1.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3644	0.3466		0.0190	0.0200	-4.9	20.0
Ethylbenzene	Ave	0.5052	0.4941		0.0196	0.0200	-2.2	20.0
m-Xylene & p-Xylene	Ave	0.6144	0.6029		0.0196	0.0200	-1.9	20.0
o-Xylene	Ave	0.5999	0.5727		0.0191	0.0200	-4.5	20.0
Styrene	Ave	0.9748	0.9300	0.3000	0.0191	0.0200	-4.6	20.0
Bromoform	Ave	0.3022	0.2627	0.1000	0.0174	0.0200	-13.1	20.0
Isopropylbenzene	Ave	1.536	1.509	0.1000	0.0196	0.0200	-1.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8537	0.8411	0.3000	0.0197	0.0200	-1.5	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3313	0.1981		0.0120	0.0200	-40.2*	20.0
Bromobenzene	Ave	0.7625	0.7822		0.0205	0.0200	2.6	20.0
1,2,3-Trichloropropane	Ave	0.3113	0.3080		0.0198	0.0200	-1.1	20.0
n-Propylbenzene	Ave	0.7745	0.7707		0.0199	0.0200	-0.5	20.0
2-Chlorotoluene	Ave	0.6710	0.6793		0.0202	0.0200	1.2	20.0
1,3,5-Trimethylbenzene	Ave	2.245	2.233		0.0199	0.0200	-0.5	20.0
4-Chlorotoluene	Ave	0.7141	0.7064		0.0198	0.0200	-1.1	20.0
tert-Butylbenzene	Ave	1.954	1.890		0.0193	0.0200	-3.3	20.0
1,2,4-Trimethylbenzene	Ave	2.283	2.279		0.0200	0.0200	-0.2	20.0
sec-Butylbenzene	Ave	2.725	2.682		0.0197	0.0200	-1.6	20.0
1,3-Dichlorobenzene	Ave	1.413	1.414	0.6000	0.0200	0.0200	0.0	20.0
p-Isopropyltoluene	Ave	2.414	2.324		0.0192	0.0200	-3.8	20.0
1,4-Dichlorobenzene	Ave	1.445	1.431	0.5000	0.0198	0.0200	-0.9	20.0
n-Butylbenzene	Ave	2.071	1.899		0.0183	0.0200	-8.3	20.0
1,2-Dichlorobenzene	Ave	1.346	1.368	0.4000	0.0203	0.0200	1.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-504290/4 Calibration Date: 09/18/2021 12:10

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: U1924232.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	0.2391	0.0500	0.0164	0.0200	-18.2	50.0
1,2,4-Trichlorobenzene	Ave	0.9320	0.7915	0.2000	0.0170	0.0200	-15.1	50.0
Hexachlorobutadiene	Ave	0.3858	0.3328		0.0173	0.0200	-13.7	50.0
Naphthalene	Ave	3.033	2.453		0.0162	0.0200	-19.1	50.0
1,2,3-Trichlorobenzene	Ave	0.8790	0.7796		0.0177	0.0200	-11.3	20.0
Dibromofluoromethane (Surr)	Ave	0.2834	0.2701		0.0191	0.0200	-4.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3362	0.2916		0.0173	0.0200	-13.3	20.0
Toluene-d8 (Surr)	Ave	1.209	1.217		0.0201	0.0200	0.7	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4458	0.4612		0.0207	0.0200	3.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCV 240-504290/5 Calibration Date: 09/18/2021 12:33

Instrument ID: A3UX19 Calib Start Date: 08/27/2021 17:57

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 08/27/2021 19:48

Lab File ID: U1924233.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
Tetrahydrothiophene	Ave	0.2576	0.2306		0.0189	0.0211	-10.5	20.0
1,4-Dichlorobutane	Ave	0.4879	0.4634		0.0190	0.0200	-5.0	20.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-504263/8

Matrix: Water Lab File ID: UXM39876.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 12:18

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.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-504263/8

Matrix: Water Lab File ID: UXM39876.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 12:18

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.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-504263/8

Matrix: Water Lab File ID: UXM39876.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 12:18

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.: 504263 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	102		56-136
1868-53-7	Dibromofluoromethane (Surr)	99		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		62-137
2037-26-5	Toluene-d8 (Surr)	94		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-504263/8

Matrix: Water Lab File ID: UXM39876.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 12:18

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.: 504263 Units: ug/L

Number TICs Found: 1 TIC Result Total: 3.97

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	1.53	3.97	T J	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-504290/10

Matrix: Water Lab File ID: U1924238.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 14:24

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504290 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-504290/10

Matrix: Water Lab File ID: U1924238.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 14:24

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504290 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-504290/10

Matrix: Water Lab File ID: U1924238.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 14:24

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504290 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	94		56-136
1868-53-7	Dibromofluoromethane (Surr)	96		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		62-137
2037-26-5	Toluene-d8 (Surr)	98		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-504290/10

Matrix: Water Lab File ID: U1924238.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 14:24

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504290 Units: ug/L

Number TICs Found: 1 TIC Result Total: 5.03

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	1.88	5.03	T J	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-504389/8

Matrix: Water Lab File ID: UXM39906.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 12:26

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-504389/8

Matrix: Water Lab File ID: UXM39906.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 12:26

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-504389/8

Matrix: Water Lab File ID: UXM39906.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 12:26

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.: 504389 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		56-136
1868-53-7	Dibromofluoromethane (Surr)	91		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		62-137
2037-26-5	Toluene-d8 (Surr)	95		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-504389/8

Matrix: Water Lab File ID: UXM39906.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 12:26

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.: 504389 Units: ug/L

Number TICs Found: 1 TIC Result Total: 2.95

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	1.53	2.95	T J	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-505049/8

Matrix: Water Lab File ID: UXM40037.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 13:18

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-505049/8

Matrix: Water Lab File ID: UXM40037.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 13:18

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-505049/8

Matrix: Water Lab File ID: UXM40037.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 13:18

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.: 505049 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		56-136
1868-53-7	Dibromofluoromethane (Surr)	101		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		62-137
2037-26-5	Toluene-d8 (Surr)	95		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-505049/8

Matrix: Water Lab File ID: UXM40037.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 13:18

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.: 505049 Units: ug/L

Number TICs Found: 1 TIC Result Total: 4.17

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	1.54	4.17	T J	

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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.: 240-156133-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 Start Date: 09/18/2021 09:50

Analysis Batch Number: 504263 End Date: 09/18/2021 21:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-504263/1		09/18/2021 09:50	1	BFB1369.D	DB-624 0.18(mm)
CCVIS 240-504263/3		09/18/2021 10:15	1	UXM39871.D	DB-624 0.18(mm)
CCV 240-504263/4		09/18/2021 10:39	1	UXM39872.D	DB-624 0.18(mm)
LCS 240-504263/5		09/18/2021 11:04	1	UXM39873.D	DB-624 0.18(mm)
MDLV 240-504263/6		09/18/2021 11:29	1		DB-624 0.18(mm)
MDLV 240-504263/7		09/18/2021 11:53	1		DB-624 0.18(mm)
MB 240-504263/8		09/18/2021 12:18	1	UXM39876.D	DB-624 0.18(mm)
ZZZZZ		09/18/2021 12:43	50		DB-624 0.18(mm)
ZZZZZ		09/18/2021 13:08	100		DB-624 0.18(mm)
ZZZZZ		09/18/2021 13:32	1		DB-624 0.18(mm)
ZZZZZ		09/18/2021 13:57	200		DB-624 0.18(mm)
ZZZZZ		09/18/2021 14:22	1		DB-624 0.18(mm)
ZZZZZ		09/18/2021 14:46	1		DB-624 0.18(mm)
ZZZZZ		09/18/2021 15:11	1		DB-624 0.18(mm)
ZZZZZ		09/18/2021 15:36	1		DB-624 0.18(mm)
ZZZZZ		09/18/2021 16:00	1		DB-624 0.18(mm)
ZZZZZ		09/18/2021 16:25	1		DB-624 0.18(mm)
ZZZZZ		09/18/2021 16:50	1		DB-624 0.18(mm)
ZZZZZ		09/18/2021 17:15	1		DB-624 0.18(mm)
ZZZZZ		09/18/2021 17:40	1		DB-624 0.18(mm)
240-156133-1	MSA-SW37A-091421	09/18/2021 18:04	1	UXM39890.D	DB-624 0.18(mm)
240-156133-2	MSA-SW37B-091421	09/18/2021 18:29	1	UXM39891.D	DB-624 0.18(mm)
240-156133-3	MSA-SW37C-091421	09/18/2021 18:53	1	UXM39892.D	DB-624 0.18(mm)
240-156133-4	MSA-SW37D-091421	09/18/2021 19:18	1	UXM39893.D	DB-624 0.18(mm)
240-156133-5	MSA-SW38A-091421	09/18/2021 19:43	1	UXM39894.D	DB-624 0.18(mm)
240-156133-6	MSA-SW38B-091421	09/18/2021 20:07	1	UXM39895.D	DB-624 0.18(mm)
240-156133-7	MSA-SW38C-091421	09/18/2021 20:32	1	UXM39896.D	DB-624 0.18(mm)
ZZZZZ		09/18/2021 20:57	50		DB-624 0.18(mm)
ZZZZZ		09/18/2021 21:22	50		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 Start Date: 09/20/2021 09:58

Analysis Batch Number: 504389 End Date: 09/20/2021 20:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-504389/1		09/20/2021 09:58	1	BFB1370.D	DB-624 0.18(mm)
CCVIS 240-504389/3		09/20/2021 10:23	1	UXM39901.D	DB-624 0.18(mm)
CCV 240-504389/4		09/20/2021 10:47	1	UXM39902.D	DB-624 0.18(mm)
LCS 240-504389/5		09/20/2021 11:12	1	UXM39903.D	DB-624 0.18(mm)
MDLV 240-504389/6		09/20/2021 11:37	1		DB-624 0.18(mm)
MDLV 240-504389/7		09/20/2021 12:02	1		DB-624 0.18(mm)
MB 240-504389/8		09/20/2021 12:26	1	UXM39906.D	DB-624 0.18(mm)
240-156133-8	MSA-SW38D-091421	09/20/2021 15:44	1	UXM39914.D	DB-624 0.18(mm)
240-156133-9	MSA-SW40A-091421	09/20/2021 16:09	1	UXM39915.D	DB-624 0.18(mm)
240-156133-10	MSA-SW40B-091421	09/20/2021 16:34	1	UXM39916.D	DB-624 0.18(mm)
240-156133-11	MSA-SW40C-091421	09/20/2021 16:58	1	UXM39917.D	DB-624 0.18(mm)
240-156133-12	MSA-SW40D-091421	09/20/2021 17:23	1	UXM39918.D	DB-624 0.18(mm)
240-156133-13	MSA-SW41A-091421	09/20/2021 17:48	1	UXM39919.D	DB-624 0.18(mm)
240-156133-14	MSA-SW41B-091421	09/20/2021 18:13	1	UXM39920.D	DB-624 0.18(mm)
240-156133-15	MSA-SW41C-091421	09/20/2021 18:37	1	UXM39921.D	DB-624 0.18(mm)
240-156133-16	MSA-SW41D-091421	09/20/2021 19:02	1	UXM39922.D	DB-624 0.18(mm)
ZZZZZ		09/20/2021 19:26	5		DB-624 0.18(mm)
ZZZZZ		09/20/2021 19:51	5		DB-624 0.18(mm)
ZZZZZ		09/20/2021 20:15	5		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 Start Date: 09/23/2021 10:50

Analysis Batch Number: 505049 End Date: 09/23/2021 22:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-505049/1		09/23/2021 10:50	1	BFB1373.D	DB-624 0.18(mm)
CCVIS 240-505049/3		09/23/2021 11:14	1	UXM40032.D	DB-624 0.18(mm)
CCV 240-505049/4		09/23/2021 11:39	1	UXM40033.D	DB-624 0.18(mm)
LCS 240-505049/5		09/23/2021 12:04	1	UXM40034.D	DB-624 0.18(mm)
MDLV 240-505049/6		09/23/2021 12:28	1		DB-624 0.18(mm)
MDLV 240-505049/7		09/23/2021 12:53	1		DB-624 0.18(mm)
MB 240-505049/8		09/23/2021 13:18	1	UXM40037.D	DB-624 0.18(mm)
ZZZZZ		09/23/2021 13:42	1		DB-624 0.18(mm)
240-156133-17	MSA-SW42A-091421	09/23/2021 14:07	1	UXM40039.D	DB-624 0.18(mm)
240-156133-18	MSA-SW42B-091421	09/23/2021 14:31	1	UXM40040.D	DB-624 0.18(mm)
240-156133-19	MSA-SW42C-091421	09/23/2021 14:55	1	UXM40041.D	DB-624 0.18(mm)
240-156133-20	MSA-SW42D-091421	09/23/2021 15:19	1	UXM40042.D	DB-624 0.18(mm)
240-156133-21	MSA-SW43A-091421	09/23/2021 15:43	1	UXM40043.D	DB-624 0.18(mm)
240-156133-22	MSA-SW43B-091421	09/23/2021 16:08	1	UXM40044.D	DB-624 0.18(mm)
240-156133-23	MSA-SW43C-091421	09/23/2021 16:32	1	UXM40045.D	DB-624 0.18(mm)
240-156133-24	MSA-SW43D-091421	09/23/2021 16:56	1	UXM40046.D	DB-624 0.18(mm)
240-156133-25	MSA-SW44A-091421	09/23/2021 17:21	1	UXM40047.D	DB-624 0.18(mm)
240-156133-26	MSA-SW44B-091421	09/23/2021 17:45	1	UXM40048.D	DB-624 0.18(mm)
240-156133-27	MSA-SW44C-091421	09/23/2021 18:10	1	UXM40049.D	DB-624 0.18(mm)
240-156133-28	MSA-SW44D-091421	09/23/2021 18:35	1	UXM40050.D	DB-624 0.18(mm)
240-156133-29	TB-091421	09/23/2021 18:59	1	UXM40051.D	DB-624 0.18(mm)
ZZZZZ		09/23/2021 19:24	1		DB-624 0.18(mm)
ZZZZZ		09/23/2021 19:49	1		DB-624 0.18(mm)
ZZZZZ		09/23/2021 20:13	1		DB-624 0.18(mm)
ZZZZZ		09/23/2021 20:38	1		DB-624 0.18(mm)
ZZZZZ		09/23/2021 21:03	5		DB-624 0.18(mm)
ZZZZZ		09/23/2021 21:28	20		DB-624 0.18(mm)
ZZZZZ		09/23/2021 21:52	20		DB-624 0.18(mm)
ZZZZZ		09/23/2021 22:17	20		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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.: 240-156133-1

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.: 240-156133-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 Start Date: 08/27/2021 16:03

Analysis Batch Number: 501424 End Date: 08/27/2021 20:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-501424/1		08/27/2021 16:03	1	bfb905.d	DB-624 0.18(mm)
CCV 240-501424/3		08/27/2021 16:28	1		DB-624 0.18(mm)
CCVIS 240-501424/4		08/27/2021 16:50	1		DB-624 0.18(mm)
MRL 240-501424/6 MDLV		08/27/2021 17:12	1		DB-624 0.18(mm)
ZZZZZ		08/27/2021 17:34	1		DB-624 0.18(mm)
STD 240-501424/9 IC		08/27/2021 17:57	1	U1923841.d	DB-624 0.18(mm)
STD 240-501424/10 IC		08/27/2021 18:19	1	U1923842.d	DB-624 0.18(mm)
STD 240-501424/11 IC		08/27/2021 18:41	1	U1923843.d	DB-624 0.18(mm)
STD 240-501424/12 IC		08/27/2021 19:04	1	U1923844.d	DB-624 0.18(mm)
STD 240-501424/13 IC		08/27/2021 19:26	1	U1923845.d	DB-624 0.18(mm)
STD 240-501424/14 IC		08/27/2021 19:48	1	U1923846.d	DB-624 0.18(mm)
ICV 240-501424/15		08/27/2021 20:11	1	U1923847.d	DB-624 0.18(mm)
MRL 240-501424/16 MDLV		08/27/2021 20:33	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 Start Date: 09/18/2021 11:26

Analysis Batch Number: 504290 End Date: 09/18/2021 22:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-504290/1		09/18/2021 11:26	1	bfb922.d	DB-624 0.18(mm)
CCV 240-504290/3		09/18/2021 11:48	1	U1924231.d	DB-624 0.18(mm)
CCVIS 240-504290/4		09/18/2021 12:10	1	U1924232.d	DB-624 0.18(mm)
CCV 240-504290/5		09/18/2021 12:33	1	U1924233.d	DB-624 0.18(mm)
LCS 240-504290/6		09/18/2021 12:55	1	U1924234.d	DB-624 0.18(mm)
ZZZZZ		09/18/2021 13:17	1		DB-624 0.18(mm)
MRL 240-504290/8 MDLV		09/18/2021 13:39	1		DB-624 0.18(mm)
MRL 240-504290/9 MDLV		09/18/2021 14:01	1		DB-624 0.18(mm)
MB 240-504290/10		09/18/2021 14:24	1	U1924238.d	DB-624 0.18(mm)
ZZZZZ		09/18/2021 14:46	400		DB-624 0.18(mm)
ZZZZZ		09/18/2021 15:08	400		DB-624 0.18(mm)
ZZZZZ		09/18/2021 15:30	400		DB-624 0.18(mm)
ZZZZZ		09/18/2021 16:15	1		DB-624 0.18(mm)
ZZZZZ		09/18/2021 16:37	1		DB-624 0.18(mm)
ZZZZZ		09/18/2021 16:59	2000		DB-624 0.18(mm)
ZZZZZ		09/18/2021 17:22	10		DB-624 0.18(mm)
ZZZZZ		09/18/2021 17:44	500		DB-624 0.18(mm)
ZZZZZ		09/18/2021 18:06	50		DB-624 0.18(mm)
ZZZZZ		09/18/2021 18:28	4		DB-624 0.18(mm)
ZZZZZ		09/18/2021 18:51	400		DB-624 0.18(mm)
ZZZZZ		09/18/2021 19:13	2000		DB-624 0.18(mm)
ZZZZZ		09/18/2021 19:58	500		DB-624 0.18(mm)
ZZZZZ		09/18/2021 20:20	2		DB-624 0.18(mm)
ZZZZZ		09/18/2021 20:42	2		DB-624 0.18(mm)
ZZZZZ		09/18/2021 21:04	2		DB-624 0.18(mm)
240-156133-30	MSA-SW46A-091421	09/18/2021 21:48	1	U1924258.d	DB-624 0.18(mm)
240-156133-31	MSA-SW47A-091421	09/18/2021 22:10	1	U1924259.d	DB-624 0.18(mm)
240-156133-32	MSA-SW48A-091421	09/18/2021 22:32	1	U1924260.d	DB-624 0.18(mm)
240-156133-33	MSA-SW49A-091421	09/18/2021 22:54	1	U1924261.d	DB-624 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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.: 240-156133-1

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.: 240-156133-1

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.: 240-156133-1

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.: 240-156133-1

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.: 240-156133-1

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.: 240-156133-1

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.: 240-156133-1

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.: 240-156133-1

SDG No.: Frog Mortar Creek

Batch Number: 501424 Batch Start Date: 08/27/21 16:03 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	vm50is_stk_A 00009	vmbfb 00027	vmDCB 00025	vmDCB 00026
BFB 240-501424/1		8260C		5 mL	5 mL		1 uL		
STD 240-501424/9 IC		8260C		5 mL	5 mL	2 uL		0.8 uL	
STD 240-501424/10 IC		8260C		5 mL	5 mL	2 uL		8 uL	
STD 240-501424/11 IC		8260C		5 mL	5 mL	2 uL		16 uL	
STD 240-501424/12 IC		8260C		5 mL	5 mL	2 uL		32 uL	
STD 240-501424/13 IC		8260C		5 mL	5 mL	2 uL		48 uL	
STD 240-501424/14 IC		8260C		5 mL	5 mL	2 uL		64 uL	
ICV 240-501424/15		8260C		5 mL	5 mL	2 uL			16 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmTHT std 00024					
BFB 240-501424/1		8260C							
STD 240-501424/9 IC		8260C		0.8 uL					
STD 240-501424/10 IC		8260C		8 uL					
STD 240-501424/11 IC		8260C		16 uL					
STD 240-501424/12 IC		8260C		32 uL					
STD 240-501424/13 IC		8260C		48 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Batch Number: 501424 Batch Start Date: 08/27/21 16:03 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmTHT std 00024					
STD 240-501424/14 IC		8260C		64 uL					
ICV 240-501424/15		8260C		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.: 240-156133-1

SDG No.: Frog Mortar Creek

Batch Number: 504263 Batch Start Date: 09/18/21 09:50 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 00088	vmarolistdw 00408
BFB 240-504263/1		8260C		5 mL	5 mL				
CCVIS 240-504263/3		8260C		5 mL	5 mL		2 uL	2.268 uL	16 uL
CCV 240-504263/4		8260C		5 mL	5 mL		2 uL		
LCS 240-504263/5		8260C		5 mL	5 mL		2 uL	2.268 uL	
MB 240-504263/8		8260C		5 mL	5 mL		2 uL	2.268 uL	
240-156133-B-1	MSA-SW37A-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-2	MSA-SW37B-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-3	MSA-SW37C-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-4	MSA-SW37D-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-5	MSA-SW38A-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-6	MSA-SW38B-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-7	MSA-SW38C-091421	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 00390	vmfasgw 00425	vmfaspw 00414	vmra9w 00406	vmrgas 00400
BFB 240-504263/1		8260C		1 uL					
CCVIS 240-504263/3		8260C							16 uL
CCV 240-504263/4		8260C						16 uL	
LCS 240-504263/5		8260C			16 uL	16 uL	16 uL		
MB 240-504263/8		8260C							
240-156133-B-1	MSA-SW37A-091421	8260C	T						
240-156133-B-2	MSA-SW37B-091421	8260C	T						
240-156133-B-3	MSA-SW37C-091421	8260C	T						
240-156133-B-4	MSA-SW37D-091421	8260C	T						
240-156133-B-5	MSA-SW38A-091421	8260C	T						
240-156133-B-6	MSA-SW38B-091421	8260C	T						
240-156133-B-7	MSA-SW38C-091421	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.: 240-156133-1

SDG No.: Frog Mortar Creek

Batch Number: 504263 Batch Start Date: 09/18/21 09:50 Batch Analyst: Bosworth, Heather M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00451					
BFB 240-504263/1		8260C							
CCVIS 240-504263/3		8260C		16 uL					
CCV 240-504263/4		8260C							
LCS 240-504263/5		8260C							
MB 240-504263/8		8260C							
240-156133-B-1	MSA-SW37A-091421	8260C	T						
240-156133-B-2	MSA-SW37B-091421	8260C	T						
240-156133-B-3	MSA-SW37C-091421	8260C	T						
240-156133-B-4	MSA-SW37D-091421	8260C	T						
240-156133-B-5	MSA-SW38A-091421	8260C	T						
240-156133-B-6	MSA-SW38B-091421	8260C	T						
240-156133-B-7	MSA-SW38C-091421	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.: 240-156133-1

SDG No.: Frog Mortar Creek

Batch Number: 504290 Batch Start Date: 09/18/21 11:26 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	vm50is_stk_A 00009	vm50ss_stk 00088	vmarolistdw 00408
BFB 240-504290/1		8260C		5 mL	5 mL				
CCV 240-504290/3		8260C		5 mL	5 mL		2 uL		
CCVIS 240-504290/4		8260C		5 mL	5 mL		2 uL	2 uL	16 uL
CCV 240-504290/5		8260C		5 mL	5 mL		2 uL		
LCS 240-504290/6		8260C		5 mL	5 mL		2 uL	2 uL	
MB 240-504290/10		8260C		5 mL	5 mL		2 uL	2 uL	
240-156133-A-30	MSA-SW46A-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-156133-B-31	MSA-SW47A-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-156133-B-32	MSA-SW48A-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-156133-A-33	MSA-SW49A-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00027	vmDCB 00025	vmfasaw 00390	vmfasgw 00425	vmfaspw 00414	vmra9w 00406
BFB 240-504290/1		8260C		1 uL					
CCV 240-504290/3		8260C							16 uL
CCVIS 240-504290/4		8260C							
CCV 240-504290/5		8260C			16 uL				
LCS 240-504290/6		8260C				16 uL	16 uL	16 uL	
MB 240-504290/10		8260C							
240-156133-A-30	MSA-SW46A-091421	8260C	T						
240-156133-B-31	MSA-SW47A-091421	8260C	T						
240-156133-B-32	MSA-SW48A-091421	8260C	T						
240-156133-A-33	MSA-SW49A-091421	8260C	T						

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrgas 00400	vmrprimw 00451	vmTHT std 00024			

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.: 240-156133-1

SDG No.: Frog Mortar Creek

Batch Number: 504290 Batch Start Date: 09/18/21 11:26 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrgas 00400	vmrprimw 00451	vmTHT std 00024			
BFB 240-504290/1		8260C							
CCV 240-504290/3		8260C							
CCVIS 240-504290/4		8260C		16 uL	16 uL				
CCV 240-504290/5		8260C				16 uL			
LCS 240-504290/6		8260C							
MB 240-504290/10		8260C							
240-156133-A-30	MSA-SW46A-091421	8260C	T						
240-156133-B-31	MSA-SW47A-091421	8260C	T						
240-156133-B-32	MSA-SW48A-091421	8260C	T						
240-156133-A-33	MSA-SW49A-091421	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.: 240-156133-1

SDG No.: Frog Mortar Creek

Batch Number: 504389 Batch Start Date: 09/20/21 09:58 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 00088	vmarolistdw 00409
BFB 240-504389/1		8260C		5 mL	5 mL				
CCVIS 240-504389/3		8260C		5 mL	5 mL		2 uL	2.268 uL	16 uL
CCV 240-504389/4		8260C		5 mL	5 mL		2 uL		
LCS 240-504389/5		8260C		5 mL	5 mL		2 uL	2.268 uL	
MB 240-504389/8		8260C		5 mL	5 mL		2 uL	2.268 uL	
240-156133-A-8	MSA-SW38D-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-9	MSA-SW40A-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-10	MSA-SW40B-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-11	MSA-SW40C-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-12	MSA-SW40D-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-13	MSA-SW41A-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-14	MSA-SW41B-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-15	MSA-SW41C-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-16	MSA-SW41D-091421	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 00391	vmfasgw 00425	vmfaspw 00415	vmra9w 00407	vmrgas 00400
BFB 240-504389/1		8260C		1 uL					
CCVIS 240-504389/3		8260C							16 uL
CCV 240-504389/4		8260C						16 uL	
LCS 240-504389/5		8260C			16 uL	16 uL	16 uL		
MB 240-504389/8		8260C							
240-156133-A-8	MSA-SW38D-091421	8260C	T						
240-156133-B-9	MSA-SW40A-091421	8260C	T						
240-156133-B-10	MSA-SW40B-091421	8260C	T						
240-156133-B-11	MSA-SW40C-091421	8260C	T						
240-156133-B-12	MSA-SW40D-091421	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.: 240-156133-1

SDG No.: Frog Mortar Creek

Batch Number: 504389 Batch Start Date: 09/20/21 09:58 Batch Analyst: Bosworth, Heather M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00027	vmfasaw 00391	vmfasgw 00425	vmfaspw 00415	vmra9w 00407	vmrgas 00400
240-156133-B-13	MSA-SW41A-091421	8260C	T						
240-156133-B-14	MSA-SW41B-091421	8260C	T						
240-156133-B-15	MSA-SW41C-091421	8260C	T						
240-156133-B-16	MSA-SW41D-091421	8260C	T						

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00452					
BFB 240-504389/1		8260C							
CCVIS 240-504389/3		8260C		16 uL					
CCV 240-504389/4		8260C							
LCS 240-504389/5		8260C							
MB 240-504389/8		8260C							
240-156133-A-8	MSA-SW38D-091421	8260C	T						
240-156133-B-9	MSA-SW40A-091421	8260C	T						
240-156133-B-10	MSA-SW40B-091421	8260C	T						
240-156133-B-11	MSA-SW40C-091421	8260C	T						
240-156133-B-12	MSA-SW40D-091421	8260C	T						
240-156133-B-13	MSA-SW41A-091421	8260C	T						
240-156133-B-14	MSA-SW41B-091421	8260C	T						
240-156133-B-15	MSA-SW41C-091421	8260C	T						
240-156133-B-16	MSA-SW41D-091421	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.: 240-156133-1

SDG No.: Frog Mortar Creek

Batch Number: 505049 Batch Start Date: 09/23/21 10:50 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 00088	vmarolistdw 00409
BFB 240-505049/1		8260C		5 mL	5 mL				
CCVIS 240-505049/3		8260C		5 mL	5 mL		2 uL	2.268 uL	16 uL
CCV 240-505049/4		8260C		5 mL	5 mL		2 uL		
LCS 240-505049/5		8260C		5 mL	5 mL		2 uL	2.268 uL	
MB 240-505049/8		8260C		5 mL	5 mL		2 uL	2.268 uL	
240-156133-B-17	MSA-SW42A-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-18	MSA-SW42B-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-A-19	MSA-SW42C-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-20	MSA-SW42D-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-21	MSA-SW43A-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-22	MSA-SW43B-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-23	MSA-SW43C-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-24	MSA-SW43D-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-A-25	MSA-SW44A-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-26	MSA-SW44B-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-27	MSA-SW44C-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-28	MSA-SW44D-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-A-29	TB-091421	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 00391	vmfasgw 00426	vmfaspw 00415	vmra9w 00407	vmrgas 00401
BFB 240-505049/1		8260C		1 uL					
CCVIS 240-505049/3		8260C							16 uL
CCV 240-505049/4		8260C						16 uL	
LCS 240-505049/5		8260C			16 uL	16 uL	16 uL		
MB 240-505049/8		8260C							
240-156133-B-17	MSA-SW42A-091421	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.: 240-156133-1

SDG No.: Frog Mortar Creek

Batch Number: 505049 Batch Start Date: 09/23/21 10:50 Batch Analyst: Bosworth, Heather M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00027	vmfasaw 00391	vmfasgw 00426	vmfaspw 00415	vmra9w 00407	vmrgas 00401
240-156133-B-18	MSA-SW42B-091421	8260C	T						
240-156133-A-19	MSA-SW42C-091421	8260C	T						
240-156133-B-20	MSA-SW42D-091421	8260C	T						
240-156133-B-21	MSA-SW43A-091421	8260C	T						
240-156133-B-22	MSA-SW43B-091421	8260C	T						
240-156133-B-23	MSA-SW43C-091421	8260C	T						
240-156133-B-24	MSA-SW43D-091421	8260C	T						
240-156133-A-25	MSA-SW44A-091421	8260C	T						
240-156133-B-26	MSA-SW44B-091421	8260C	T						
240-156133-B-27	MSA-SW44C-091421	8260C	T						
240-156133-B-28	MSA-SW44D-091421	8260C	T						
240-156133-A-29	TB-091421	8260C	T						

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00452					
BFB 240-505049/1		8260C							
CCVIS 240-505049/3		8260C		16 uL					
CCV 240-505049/4		8260C							
LCS 240-505049/5		8260C							
MB 240-505049/8		8260C							
240-156133-B-17	MSA-SW42A-091421	8260C	T						
240-156133-B-18	MSA-SW42B-091421	8260C	T						
240-156133-A-19	MSA-SW42C-091421	8260C	T						
240-156133-B-20	MSA-SW42D-091421	8260C	T						
240-156133-B-21	MSA-SW43A-091421	8260C	T						
240-156133-B-22	MSA-SW43B-091421	8260C	T						
240-156133-B-23	MSA-SW43C-091421	8260C	T						
240-156133-B-24	MSA-SW43D-091421	8260C	T						
240-156133-A-25	MSA-SW44A-091421	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.: 240-156133-1

SDG No.: Frog Mortar Creek

Batch Number: 505049 Batch Start Date: 09/23/21 10:50 Batch Analyst: Bosworth, Heather M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00452					
240-156133-B-26	MSA-SW44B-091421	8260C	T						
240-156133-B-27	MSA-SW44C-091421	8260C	T						
240-156133-B-28	MSA-SW44D-091421	8260C	T						
240-156133-A-29	TB-091421	8260C	T						

Batch Notes	
pH Indicator ID	HC042657

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

ANALYTICAL REPORT

Job Number: 240-156133-1

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
9/27/2021 5:10 PM

Roxanne Cisneros, Senior Project Manager
4101 Shuffel Street NW, North Canton, OH, 44720
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09/27/2021

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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, low biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
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
240-156133-1

Comments
No additional comments.

Receipt
The samples were received on 9/15/2021 10:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.1º C.

GC/MS VOA
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-091421 (240-156133-1), MSA-SW37B-091421 (240-156133-2), MSA-SW37C-091421 (240-156133-3), MSA-SW37D-091421 (240-156133-4), MSA-SW38A-091421 (240-156133-5), MSA-SW38B-091421 (240-156133-6), MSA-SW38C-091421 (240-156133-7), MSA-SW38D-091421 (240-156133-8), MSA-SW40A-091421 (240-156133-9), MSA-SW40B-091421 (240-156133-10), MSA-SW40C-091421 (240-156133-11), MSA-SW40D-091421 (240-156133-12), MSA-SW41A-091421 (240-156133-13), MSA-SW41B-091421 (240-156133-14), MSA-SW41C-091421 (240-156133-15), MSA-SW41D-091421 (240-156133-16), MSA-SW42A-091421 (240-156133-17), MSA-SW42B-091421 (240-156133-18), MSA-SW42C-091421 (240-156133-19), MSA-SW42D-091421 (240-156133-20), MSA-SW43A-091421 (240-156133-21), MSA-SW43B-091421 (240-156133-22), MSA-SW43C-091421 (240-156133-23), MSA-SW43D-091421 (240-156133-24), MSA-SW44A-091421 (240-156133-25), MSA-SW44B-091421 (240-156133-26), MSA-SW44C-091421 (240-156133-27), MSA-SW44D-091421 (240-156133-28), TB-091421 (240-156133-29), MSA-SW46A-091421 (240-156133-30), MSA-SW47A-091421 (240-156133-31), MSA-SW48A-091421 (240-156133-32) and MSA-SW49A-091421 (240-156133-33). The requested target analyte list includes an acid-labile compound that degrades in an acidic medium.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 240-504263 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-091421 (240-156133-1), MSA-SW37B-091421 (240-156133-2), MSA-SW37C-091421 (240-156133-3), MSA-SW37D-091421 (240-156133-4), MSA-SW38A-091421 (240-156133-5), MSA-SW38B-091421 (240-156133-6), MSA-SW38C-091421 (240-156133-7) and (CCVIS 240-504263/3)

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 240-504290 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 240-504389 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-SW38D-091421 (240-156133-8), MSA-SW40A-091421 (240-156133-9), MSA-SW40B-091421 (240-156133-10), MSA-SW40C-091421 (240-156133-11), MSA-SW40D-091421 (240-156133-12), MSA-SW41A-091421 (240-156133-13), MSA-SW41B-091421 (240-156133-14), MSA-SW41C-091421 (240-156133-15), MSA-SW41D-091421 (240-156133-16) and (CCVIS 240-504389/3)

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 240-505049 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.

Method 8260C: The laboratory control sample (LCS) for analytical batch 240-504389 recovered outside control limits for the following analyte(s): 2-Methyl-2-propanol. 2-Methyl-2-propanol has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified. MSA-SW38D-091421 (240-156133-8), MSA-SW40A-091421 (240-156133-9), MSA-SW40B-091421 (240-156133-10), MSA-SW40C-091421 (240-156133-11), MSA-SW40D-091421 (240-156133-12), MSA-SW41A-091421 (240-156133-13), MSA-SW41B-091421 (240-156133-14), MSA-SW41C-091421 (240-156133-15), MSA-SW41D-091421 (240-156133-16) and (LCS 240-504389/5)

Method 8260C: The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for analytical batch 240-504263 recovered outside control limits for the following analyte(s): 2-Methyl-2-propanol. 2-Methyl-2-propanol has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8260C: The laboratory control sample (LCS) for analytical batch 240-505049 recovered outside control limits for the following analyte(s): 2-Methyl-2-propanol. 2-Methyl-2-propanol has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

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: 240-156133-1
SDG: Frog Mortar Creek

Client Sample ID: MSA-SW37A-091421 — Lab Sample ID: 240-156133-1

No Detections.

Client Sample ID: MSA-SW37B-091421 — Lab Sample ID: 240-156133-2

No Detections.

Client Sample ID: MSA-SW37C-091421 — Lab Sample ID: 240-156133-3

No Detections.

Client Sample ID: MSA-SW37D-091421 — Lab Sample ID: 240-156133-4

No Detections.

Client Sample ID: MSA-SW38A-091421 — Lab Sample ID: 240-156133-5

No Detections.

Client Sample ID: MSA-SW38B-091421 — Lab Sample ID: 240-156133-6

No Detections.

Client Sample ID: MSA-SW38C-091421 — Lab Sample ID: 240-156133-7

No Detections.

Client Sample ID: MSA-SW38D-091421 — Lab Sample ID: 240-156133-8

No Detections.

Client Sample ID: MSA-SW40A-091421 — Lab Sample ID: 240-156133-9

No Detections.

Client Sample ID: MSA-SW40B-091421 — Lab Sample ID: 240-156133-10

No Detections.

Client Sample ID: MSA-SW40C-091421 — Lab Sample ID: 240-156133-11

No Detections.

Client Sample ID: MSA-SW40D-091421 — Lab Sample ID: 240-156133-12

No Detections.

Client Sample ID: MSA-SW41A-091421 — Lab Sample ID: 240-156133-13

No Detections.

Client Sample ID: MSA-SW41B-091421 — Lab Sample ID: 240-156133-14

No Detections.

Client Sample ID: MSA-SW41C-091421 — Lab Sample ID: 240-156133-15

No Detections.

Client Sample ID: MSA-SW41D-091421 — Lab Sample ID: 240-156133-16

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water

Job ID: 240-156133-1
SDG: Frog Mortar Creek

Client Sample ID: MSA-SW42A-091421 — Lab Sample ID: 240-156133-17

No Detections.

Client Sample ID: MSA-SW42B-091421 — Lab Sample ID: 240-156133-18

No Detections.

Client Sample ID: MSA-SW42C-091421 — Lab Sample ID: 240-156133-19

No Detections.

Client Sample ID: MSA-SW42D-091421 — Lab Sample ID: 240-156133-20

No Detections.

Client Sample ID: MSA-SW43A-091421 — Lab Sample ID: 240-156133-21

No Detections.

Client Sample ID: MSA-SW43B-091421 — Lab Sample ID: 240-156133-22

No Detections.

Client Sample ID: MSA-SW43C-091421 — Lab Sample ID: 240-156133-23

No Detections.

Client Sample ID: MSA-SW43D-091421 — Lab Sample ID: 240-156133-24

No Detections.

Client Sample ID: MSA-SW44A-091421 — Lab Sample ID: 240-156133-25

No Detections.

Client Sample ID: MSA-SW44B-091421 — Lab Sample ID: 240-156133-26

No Detections.

Client Sample ID: MSA-SW44C-091421 — Lab Sample ID: 240-156133-27

No Detections.

Client Sample ID: MSA-SW44D-091421 — Lab Sample ID: 240-156133-28

No Detections.

Client Sample ID: TB-091421 — Lab Sample ID: 240-156133-29

No Detections.

Client Sample ID: MSA-SW46A-091421 — Lab Sample ID: 240-156133-30

No Detections.

Client Sample ID: MSA-SW47A-091421 — Lab Sample ID: 240-156133-31

No Detections.

Client Sample ID: MSA-SW48A-091421 — Lab Sample ID: 240-156133-32

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water

Job ID: 240-156133-1
SDG: Frog Mortar Creek

Client Sample ID: MSA-SW49A-091421

Lab Sample ID: 240-156133-33

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MSA-SW37A-091421

Date Collected: 09/14/21 09:50
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-1

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			09/18/21 18:04	1
Benzene	1.0	U	1.0	0.42	ug/L			09/18/21 18:04	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/18/21 18:04	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/18/21 18:04	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/18/21 18:04	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/18/21 18:04	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/18/21 18:04	1
2-Butanone	10	U	10	1.2	ug/L			09/18/21 18:04	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/18/21 18:04	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/18/21 18:04	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/18/21 18:04	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/18/21 18:04	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/18/21 18:04	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/18/21 18:04	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/18/21 18:04	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/18/21 18:04	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/18/21 18:04	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/18/21 18:04	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/18/21 18:04	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/18/21 18:04	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/18/21 18:04	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/18/21 18:04	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/18/21 18:04	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/18/21 18:04	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/18/21 18:04	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/18/21 18:04	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/18/21 18:04	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/18/21 18:04	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/18/21 18:04	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/18/21 18:04	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/18/21 18:04	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/18/21 18:04	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/18/21 18:04	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/18/21 18:04	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/18/21 18:04	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/18/21 18:04	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/18/21 18:04	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/18/21 18:04	1
2-Hexanone	10	U	10	1.1	ug/L			09/18/21 18:04	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/18/21 18:04	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/18/21 18:04	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/18/21 18:04	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/18/21 18:04	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/18/21 18:04	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/18/21 18:04	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/18/21 18:04	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/18/21 18:04	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/18/21 18:04	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/18/21 18:04	1

Client Sample ID: MSA-SW37A-091421

Lab Sample ID: 240-156133-1

Date Collected: 09/14/21 09:50
Matrix: Water
Date Received: 09/15/21 10:45

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			09/18/21 18:04	1
Styrene	1.0	U	1.0	0.45	ug/L			09/18/21 18:04	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/18/21 18:04	1
tert-Butyl alcohol	40	U *-	40	7.2	ug/L			09/18/21 18:04	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/18/21 18:04	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/18/21 18:04	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/18/21 18:04	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/18/21 18:04	1
Toluene	1.0	U	1.0	0.44	ug/L			09/18/21 18:04	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/18/21 18:04	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/18/21 18:04	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/18/21 18:04	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/18/21 18:04	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/18/21 18:04	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/18/21 18:04	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/18/21 18:04	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/18/21 18:04	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/18/21 18:04	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/18/21 18:04	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/18/21 18:04	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/18/21 18:04	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/18/21 18:04	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/18/21 18:04	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*		*09/18/21 18:04*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/18/21 18:04*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*56 - 136*		*09/18/21 18:04*	*1*
Dibromofluoromethane (Surr)	*93*		*73 - 120*		*09/18/21 18:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*62 - 137*		*09/18/21 18:04*	*1*
Toluene-d8 (Surr)	*94*		*78 - 122*		*09/18/21 18:04*	*1*

Client Sample ID: MSA-SW37B-091421

Lab Sample ID: 240-156133-2

Date Collected: 09/14/21 09:53
Matrix: Water
Date Received: 09/15/21 10:45

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			09/18/21 18:29	1
Benzene	1.0	U	1.0	0.42	ug/L			09/18/21 18:29	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/18/21 18:29	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/18/21 18:29	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/18/21 18:29	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/18/21 18:29	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/18/21 18:29	1
2-Butanone	10	U	10	1.2	ug/L			09/18/21 18:29	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/18/21 18:29	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/18/21 18:29	1

Client Sample ID: MSA-SW37B-091421
Date Collected: 09/14/21 09:53
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-2
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			09/18/21 18:29	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/18/21 18:29	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/18/21 18:29	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/18/21 18:29	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/18/21 18:29	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/18/21 18:29	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/18/21 18:29	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/18/21 18:29	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/18/21 18:29	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/18/21 18:29	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/18/21 18:29	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/18/21 18:29	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/18/21 18:29	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/18/21 18:29	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/18/21 18:29	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/18/21 18:29	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/18/21 18:29	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/18/21 18:29	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/18/21 18:29	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/18/21 18:29	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/18/21 18:29	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/18/21 18:29	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/18/21 18:29	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/18/21 18:29	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/18/21 18:29	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/18/21 18:29	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/18/21 18:29	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/18/21 18:29	1
2-Hexanone	10	U	10	1.1	ug/L			09/18/21 18:29	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/18/21 18:29	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/18/21 18:29	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/18/21 18:29	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/18/21 18:29	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/18/21 18:29	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/18/21 18:29	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/18/21 18:29	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/18/21 18:29	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/18/21 18:29	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/18/21 18:29	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/18/21 18:29	1
Styrene	1.0	U	1.0	0.45	ug/L			09/18/21 18:29	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/18/21 18:29	1
tert-Butyl alcohol	40	U *-	40	7.2	ug/L			09/18/21 18:29	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/18/21 18:29	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/18/21 18:29	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/18/21 18:29	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/18/21 18:29	1
Toluene	1.0	U	1.0	0.44	ug/L			09/18/21 18:29	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/18/21 18:29	1

Client Sample ID: MSA-SW37B-091421

Lab Sample ID: 240-156133-2

Date Collected: 09/14/21 09:53
Matrix: Water
Date Received: 09/15/21 10:45

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			09/18/21 18:29	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/18/21 18:29	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/18/21 18:29	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/18/21 18:29	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/18/21 18:29	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/18/21 18:29	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/18/21 18:29	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/18/21 18:29	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/18/21 18:29	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/18/21 18:29	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/18/21 18:29	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/18/21 18:29	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/18/21 18:29	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*09/18/21 18:29*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/18/21 18:29*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*56 - 136*		*09/18/21 18:29*	*1*
Dibromofluoromethane (Surr)	*90*		*73 - 120*		*09/18/21 18:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*62 - 137*		*09/18/21 18:29*	*1*
Toluene-d8 (Surr)	*93*		*78 - 122*		*09/18/21 18:29*	*1*

Client Sample ID: MSA-SW37C-091421

Lab Sample ID: 240-156133-3

Date Collected: 09/14/21 09:55
Matrix: Water
Date Received: 09/15/21 10:45

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			09/18/21 18:53	1
Benzene	1.0	U	1.0	0.42	ug/L			09/18/21 18:53	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/18/21 18:53	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/18/21 18:53	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/18/21 18:53	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/18/21 18:53	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/18/21 18:53	1
2-Butanone	10	U	10	1.2	ug/L			09/18/21 18:53	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/18/21 18:53	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/18/21 18:53	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/18/21 18:53	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/18/21 18:53	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/18/21 18:53	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/18/21 18:53	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/18/21 18:53	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/18/21 18:53	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/18/21 18:53	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/18/21 18:53	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/18/21 18:53	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/18/21 18:53	1

Client Sample ID: MSA-SW37C-091421

Date Collected: 09/14/21 09:55
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-3

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			09/18/21 18:53	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/18/21 18:53	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/18/21 18:53	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/18/21 18:53	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/18/21 18:53	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/18/21 18:53	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/18/21 18:53	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/18/21 18:53	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/18/21 18:53	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/18/21 18:53	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/18/21 18:53	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/18/21 18:53	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/18/21 18:53	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/18/21 18:53	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/18/21 18:53	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/18/21 18:53	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/18/21 18:53	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/18/21 18:53	1
2-Hexanone	10	U	10	1.1	ug/L			09/18/21 18:53	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/18/21 18:53	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/18/21 18:53	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/18/21 18:53	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/18/21 18:53	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/18/21 18:53	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/18/21 18:53	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/18/21 18:53	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/18/21 18:53	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/18/21 18:53	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/18/21 18:53	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/18/21 18:53	1
Styrene	1.0	U	1.0	0.45	ug/L			09/18/21 18:53	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/18/21 18:53	1
tert-Butyl alcohol	40	U *-	40	7.2	ug/L			09/18/21 18:53	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/18/21 18:53	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/18/21 18:53	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/18/21 18:53	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/18/21 18:53	1
Toluene	1.0	U	1.0	0.44	ug/L			09/18/21 18:53	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/18/21 18:53	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/18/21 18:53	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/18/21 18:53	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/18/21 18:53	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/18/21 18:53	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/18/21 18:53	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/18/21 18:53	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/18/21 18:53	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/18/21 18:53	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/18/21 18:53	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/18/21 18:53	1

Client Sample ID: MSA-SW37C-091421

Lab Sample ID: 240-156133-3

Date Collected: 09/14/21 09:55
Matrix: Water
Date Received: 09/15/21 10:45

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			09/18/21 18:53	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/18/21 18:53	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/18/21 18:53	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*		*09/18/21 18:53*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/18/21 18:53*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*56 - 136*		*09/18/21 18:53*	*1*
Dibromofluoromethane (Surr)	*95*		*73 - 120*		*09/18/21 18:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*62 - 137*		*09/18/21 18:53*	*1*
Toluene-d8 (Surr)	*94*		*78 - 122*		*09/18/21 18:53*	*1*

Client Sample ID: MSA-SW37D-091421

Lab Sample ID: 240-156133-4

Date Collected: 09/14/21 09:58
Matrix: Water
Date Received: 09/15/21 10:45

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			09/18/21 19:18	1
Benzene	1.0	U	1.0	0.42	ug/L			09/18/21 19:18	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/18/21 19:18	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/18/21 19:18	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/18/21 19:18	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/18/21 19:18	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/18/21 19:18	1
2-Butanone	10	U	10	1.2	ug/L			09/18/21 19:18	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/18/21 19:18	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/18/21 19:18	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/18/21 19:18	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/18/21 19:18	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/18/21 19:18	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/18/21 19:18	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/18/21 19:18	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/18/21 19:18	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/18/21 19:18	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/18/21 19:18	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/18/21 19:18	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/18/21 19:18	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/18/21 19:18	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/18/21 19:18	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/18/21 19:18	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/18/21 19:18	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/18/21 19:18	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/18/21 19:18	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/18/21 19:18	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/18/21 19:18	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/18/21 19:18	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/18/21 19:18	1

Client Sample ID: MSA-SW37D-091421

Date Collected: 09/14/21 09:58
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-4

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			09/18/21 19:18	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/18/21 19:18	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/18/21 19:18	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/18/21 19:18	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/18/21 19:18	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/18/21 19:18	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/18/21 19:18	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/18/21 19:18	1
2-Hexanone	10	U	10	1.1	ug/L			09/18/21 19:18	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/18/21 19:18	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/18/21 19:18	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/18/21 19:18	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/18/21 19:18	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/18/21 19:18	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/18/21 19:18	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/18/21 19:18	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/18/21 19:18	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/18/21 19:18	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/18/21 19:18	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/18/21 19:18	1
Styrene	1.0	U	1.0	0.45	ug/L			09/18/21 19:18	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/18/21 19:18	1
tert-Butyl alcohol	40	U *-	40	7.2	ug/L			09/18/21 19:18	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/18/21 19:18	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/18/21 19:18	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/18/21 19:18	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/18/21 19:18	1
Toluene	1.0	U	1.0	0.44	ug/L			09/18/21 19:18	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/18/21 19:18	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/18/21 19:18	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/18/21 19:18	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/18/21 19:18	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/18/21 19:18	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/18/21 19:18	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/18/21 19:18	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/18/21 19:18	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/18/21 19:18	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/18/21 19:18	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/18/21 19:18	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/18/21 19:18	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/18/21 19:18	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/18/21 19:18	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*09/18/21 19:18*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/18/21 19:18*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*56 - 136*		*09/18/21 19:18*	*1*
Dibromofluoromethane (Surr)	*99*		*73 - 120*		*09/18/21 19:18*	*1*

Client Sample ID: MSA-SW37D-091421

Lab Sample ID: 240-156133-4

Date Collected: 09/14/21 09:58
Matrix: Water
Date Received: 09/15/21 10:45

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*62 - 137*		*09/18/21 19:18*	*1*
Toluene-d8 (Surr)	*100*		*78 - 122*		*09/18/21 19:18*	*1*

Client Sample ID: MSA-SW38A-091421

Lab Sample ID: 240-156133-5

Date Collected: 09/14/21 09:07
Matrix: Water
Date Received: 09/15/21 10:45

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			09/18/21 19:43	1
Benzene	1.0	U	1.0	0.42	ug/L			09/18/21 19:43	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/18/21 19:43	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/18/21 19:43	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/18/21 19:43	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/18/21 19:43	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/18/21 19:43	1
2-Butanone	10	U	10	1.2	ug/L			09/18/21 19:43	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/18/21 19:43	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/18/21 19:43	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/18/21 19:43	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/18/21 19:43	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/18/21 19:43	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/18/21 19:43	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/18/21 19:43	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/18/21 19:43	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/18/21 19:43	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/18/21 19:43	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/18/21 19:43	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/18/21 19:43	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/18/21 19:43	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/18/21 19:43	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/18/21 19:43	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/18/21 19:43	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/18/21 19:43	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/18/21 19:43	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/18/21 19:43	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/18/21 19:43	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/18/21 19:43	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/18/21 19:43	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/18/21 19:43	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/18/21 19:43	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/18/21 19:43	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/18/21 19:43	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/18/21 19:43	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/18/21 19:43	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/18/21 19:43	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/18/21 19:43	1
2-Hexanone	10	U	10	1.1	ug/L			09/18/21 19:43	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/18/21 19:43	1

Client Sample ID: MSA-SW38A-091421

Lab Sample ID: 240-156133-5

Date Collected: 09/14/21 09:07
Matrix: Water
Date Received: 09/15/21 10:45

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			09/18/21 19:43	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/18/21 19:43	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/18/21 19:43	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/18/21 19:43	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/18/21 19:43	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/18/21 19:43	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/18/21 19:43	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/18/21 19:43	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/18/21 19:43	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/18/21 19:43	1
Styrene	1.0	U	1.0	0.45	ug/L			09/18/21 19:43	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/18/21 19:43	1
tert-Butyl alcohol	40	U *-	40	7.2	ug/L			09/18/21 19:43	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/18/21 19:43	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/18/21 19:43	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/18/21 19:43	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/18/21 19:43	1
Toluene	1.0	U	1.0	0.44	ug/L			09/18/21 19:43	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/18/21 19:43	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/18/21 19:43	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/18/21 19:43	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/18/21 19:43	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/18/21 19:43	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/18/21 19:43	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/18/21 19:43	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/18/21 19:43	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/18/21 19:43	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/18/21 19:43	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/18/21 19:43	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/18/21 19:43	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/18/21 19:43	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/18/21 19:43	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*		*09/18/21 19:43*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/18/21 19:43*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*56 - 136*		*09/18/21 19:43*	*1*
Dibromofluoromethane (Surr)	*91*		*73 - 120*		*09/18/21 19:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*62 - 137*		*09/18/21 19:43*	*1*
Toluene-d8 (Surr)	*95*		*78 - 122*		*09/18/21 19:43*	*1*

Client Sample ID: MSA-SW38B-091421

Lab Sample ID: 240-156133-6

Date Collected: 09/14/21 09:11
Matrix: Water
Date Received: 09/15/21 10:45

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			09/18/21 20:07	1

Client Sample ID: MSA-SW38B-091421

Date Collected: 09/14/21 09:11
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-6

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			09/18/21 20:07	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/18/21 20:07	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/18/21 20:07	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/18/21 20:07	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/18/21 20:07	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/18/21 20:07	1
2-Butanone	10	U	10	1.2	ug/L			09/18/21 20:07	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/18/21 20:07	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/18/21 20:07	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/18/21 20:07	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/18/21 20:07	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/18/21 20:07	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/18/21 20:07	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/18/21 20:07	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/18/21 20:07	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/18/21 20:07	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/18/21 20:07	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/18/21 20:07	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/18/21 20:07	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/18/21 20:07	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/18/21 20:07	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/18/21 20:07	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/18/21 20:07	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/18/21 20:07	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/18/21 20:07	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/18/21 20:07	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/18/21 20:07	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/18/21 20:07	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/18/21 20:07	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/18/21 20:07	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/18/21 20:07	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/18/21 20:07	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/18/21 20:07	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/18/21 20:07	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/18/21 20:07	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/18/21 20:07	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/18/21 20:07	1
2-Hexanone	10	U	10	1.1	ug/L			09/18/21 20:07	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/18/21 20:07	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/18/21 20:07	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/18/21 20:07	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/18/21 20:07	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/18/21 20:07	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/18/21 20:07	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/18/21 20:07	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/18/21 20:07	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/18/21 20:07	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/18/21 20:07	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/18/21 20:07	1

Client Sample ID: MSA-SW38B-091421

Lab Sample ID: 240-156133-6

Date Collected: 09/14/21 09:11
Matrix: Water
Date Received: 09/15/21 10:45

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			09/18/21 20:07	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/18/21 20:07	1
tert-Butyl alcohol	40	U *-	40	7.2	ug/L			09/18/21 20:07	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/18/21 20:07	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/18/21 20:07	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/18/21 20:07	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/18/21 20:07	1
Toluene	1.0	U	1.0	0.44	ug/L			09/18/21 20:07	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/18/21 20:07	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/18/21 20:07	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/18/21 20:07	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/18/21 20:07	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/18/21 20:07	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/18/21 20:07	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/18/21 20:07	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/18/21 20:07	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/18/21 20:07	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/18/21 20:07	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/18/21 20:07	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/18/21 20:07	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/18/21 20:07	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/18/21 20:07	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*09/18/21 20:07*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/18/21 20:07*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*56 - 136*		*09/18/21 20:07*	*1*
Dibromofluoromethane (Surr)	*91*		*73 - 120*		*09/18/21 20:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*62 - 137*		*09/18/21 20:07*	*1*
Toluene-d8 (Surr)	*95*		*78 - 122*		*09/18/21 20:07*	*1*

Client Sample ID: MSA-SW38C-091421

Lab Sample ID: 240-156133-7

Date Collected: 09/14/21 09:13
Matrix: Water
Date Received: 09/15/21 10:45

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			09/18/21 20:32	1
Benzene	1.0	U	1.0	0.42	ug/L			09/18/21 20:32	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/18/21 20:32	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/18/21 20:32	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/18/21 20:32	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/18/21 20:32	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/18/21 20:32	1
2-Butanone	10	U	10	1.2	ug/L			09/18/21 20:32	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/18/21 20:32	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/18/21 20:32	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/18/21 20:32	1

Client Sample ID: MSA-SW38C-091421

Date Collected: 09/14/21 09:13
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-7

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			09/18/21 20:32	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/18/21 20:32	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/18/21 20:32	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/18/21 20:32	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/18/21 20:32	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/18/21 20:32	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/18/21 20:32	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/18/21 20:32	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/18/21 20:32	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/18/21 20:32	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/18/21 20:32	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/18/21 20:32	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/18/21 20:32	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/18/21 20:32	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/18/21 20:32	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/18/21 20:32	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/18/21 20:32	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/18/21 20:32	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/18/21 20:32	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/18/21 20:32	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/18/21 20:32	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/18/21 20:32	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/18/21 20:32	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/18/21 20:32	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/18/21 20:32	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/18/21 20:32	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/18/21 20:32	1
2-Hexanone	10	U	10	1.1	ug/L			09/18/21 20:32	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/18/21 20:32	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/18/21 20:32	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/18/21 20:32	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/18/21 20:32	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/18/21 20:32	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/18/21 20:32	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/18/21 20:32	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/18/21 20:32	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/18/21 20:32	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/18/21 20:32	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/18/21 20:32	1
Styrene	1.0	U	1.0	0.45	ug/L			09/18/21 20:32	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/18/21 20:32	1
tert-Butyl alcohol	40	U *-	40	7.2	ug/L			09/18/21 20:32	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/18/21 20:32	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/18/21 20:32	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/18/21 20:32	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/18/21 20:32	1
Toluene	1.0	U	1.0	0.44	ug/L			09/18/21 20:32	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/18/21 20:32	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/18/21 20:32	1

Client Sample ID: MSA-SW38C-091421

Lab Sample ID: 240-156133-7

Date Collected: 09/14/21 09:13
Matrix: Water
Date Received: 09/15/21 10:45

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			09/18/21 20:32	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/18/21 20:32	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/18/21 20:32	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/18/21 20:32	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/18/21 20:32	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/18/21 20:32	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/18/21 20:32	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/18/21 20:32	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/18/21 20:32	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/18/21 20:32	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/18/21 20:32	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/18/21 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*		*09/18/21 20:32*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/18/21 20:32*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*56 - 136*		*09/18/21 20:32*	*1*
Dibromofluoromethane (Surr)	*94*		*73 - 120*		*09/18/21 20:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*62 - 137*		*09/18/21 20:32*	*1*
Toluene-d8 (Surr)	*93*		*78 - 122*		*09/18/21 20:32*	*1*

Client Sample ID: MSA-SW38D-091421

Lab Sample ID: 240-156133-8

Date Collected: 09/14/21 09:15
Matrix: Water
Date Received: 09/15/21 10:45

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			09/20/21 15:44	1
Benzene	1.0	U	1.0	0.42	ug/L			09/20/21 15:44	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/20/21 15:44	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/20/21 15:44	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/20/21 15:44	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/20/21 15:44	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/20/21 15:44	1
2-Butanone	10	U	10	1.2	ug/L			09/20/21 15:44	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/20/21 15:44	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/20/21 15:44	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/20/21 15:44	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/20/21 15:44	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/20/21 15:44	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/20/21 15:44	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/20/21 15:44	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/20/21 15:44	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/20/21 15:44	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/20/21 15:44	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/20/21 15:44	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/20/21 15:44	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/20/21 15:44	1

Client Sample ID: MSA-SW38D-091421

Date Collected: 09/14/21 09:15
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-8

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			09/20/21 15:44	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/20/21 15:44	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/20/21 15:44	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/20/21 15:44	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/20/21 15:44	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/20/21 15:44	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/20/21 15:44	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/20/21 15:44	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/20/21 15:44	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/20/21 15:44	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/20/21 15:44	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/20/21 15:44	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/20/21 15:44	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/20/21 15:44	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/20/21 15:44	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/20/21 15:44	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/20/21 15:44	1
2-Hexanone	10	U	10	1.1	ug/L			09/20/21 15:44	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/20/21 15:44	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/20/21 15:44	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/20/21 15:44	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/20/21 15:44	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/20/21 15:44	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/20/21 15:44	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/20/21 15:44	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/20/21 15:44	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/20/21 15:44	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/20/21 15:44	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/20/21 15:44	1
Styrene	1.0	U	1.0	0.45	ug/L			09/20/21 15:44	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/20/21 15:44	1
tert-Butyl alcohol	40	U *-	40	7.2	ug/L			09/20/21 15:44	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/20/21 15:44	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/20/21 15:44	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/20/21 15:44	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/20/21 15:44	1
Toluene	1.0	U	1.0	0.44	ug/L			09/20/21 15:44	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/20/21 15:44	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/20/21 15:44	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/20/21 15:44	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/20/21 15:44	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/20/21 15:44	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/20/21 15:44	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/20/21 15:44	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/20/21 15:44	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/20/21 15:44	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/20/21 15:44	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/20/21 15:44	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/20/21 15:44	1

Client Sample ID: MSA-SW38D-091421

Lab Sample ID: 240-156133-8

Date Collected: 09/14/21 09:15
Matrix: Water
Date Received: 09/15/21 10:45

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			09/20/21 15:44	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/20/21 15:44	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*09/20/21 15:44*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/20/21 15:44*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*56 - 136*		*09/20/21 15:44*	*1*
Dibromofluoromethane (Surr)	*93*		*73 - 120*		*09/20/21 15:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*62 - 137*		*09/20/21 15:44*	*1*
Toluene-d8 (Surr)	*96*		*78 - 122*		*09/20/21 15:44*	*1*

Client Sample ID: MSA-SW40A-091421

Lab Sample ID: 240-156133-9

Date Collected: 09/14/21 09:23
Matrix: Water
Date Received: 09/15/21 10:45

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			09/20/21 16:09	1
Benzene	1.0	U	1.0	0.42	ug/L			09/20/21 16:09	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/20/21 16:09	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/20/21 16:09	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/20/21 16:09	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/20/21 16:09	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/20/21 16:09	1
2-Butanone	10	U	10	1.2	ug/L			09/20/21 16:09	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/20/21 16:09	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/20/21 16:09	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/20/21 16:09	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/20/21 16:09	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/20/21 16:09	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/20/21 16:09	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/20/21 16:09	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/20/21 16:09	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/20/21 16:09	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/20/21 16:09	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/20/21 16:09	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/20/21 16:09	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/20/21 16:09	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/20/21 16:09	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/20/21 16:09	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/20/21 16:09	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/20/21 16:09	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/20/21 16:09	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/20/21 16:09	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/20/21 16:09	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/20/21 16:09	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/20/21 16:09	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/20/21 16:09	1

Client Sample ID: MSA-SW40A-091421

Date Collected: 09/14/21 09:23
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-9

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			09/20/21 16:09	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/20/21 16:09	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/20/21 16:09	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/20/21 16:09	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/20/21 16:09	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/20/21 16:09	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/20/21 16:09	1
2-Hexanone	10	U	10	1.1	ug/L			09/20/21 16:09	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/20/21 16:09	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/20/21 16:09	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/20/21 16:09	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/20/21 16:09	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/20/21 16:09	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/20/21 16:09	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/20/21 16:09	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/20/21 16:09	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/20/21 16:09	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/20/21 16:09	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/20/21 16:09	1
Styrene	1.0	U	1.0	0.45	ug/L			09/20/21 16:09	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/20/21 16:09	1
tert-Butyl alcohol	40	U *-	40	7.2	ug/L			09/20/21 16:09	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/20/21 16:09	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/20/21 16:09	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/20/21 16:09	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/20/21 16:09	1
Toluene	1.0	U	1.0	0.44	ug/L			09/20/21 16:09	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/20/21 16:09	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/20/21 16:09	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/20/21 16:09	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/20/21 16:09	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/20/21 16:09	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/20/21 16:09	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/20/21 16:09	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/20/21 16:09	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/20/21 16:09	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/20/21 16:09	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/20/21 16:09	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/20/21 16:09	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/20/21 16:09	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/20/21 16:09	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*		*09/20/21 16:09*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/20/21 16:09*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*56 - 136*		*09/20/21 16:09*	*1*
Dibromofluoromethane (Surr)	*99*		*73 - 120*		*09/20/21 16:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*62 - 137*		*09/20/21 16:09*	*1*

Client Sample ID: MSA-SW40A-091421

Lab Sample ID: 240-156133-9

Date Collected: 09/14/21 09:23
Matrix: Water
Date Received: 09/15/21 10:45

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*78 - 122*		*09/20/21 16:09*	*1*

Client Sample ID: MSA-SW40B-091421

Lab Sample ID: 240-156133-10

Date Collected: 09/14/21 09:27
Matrix: Water
Date Received: 09/15/21 10:45

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			09/20/21 16:34	1
Benzene	1.0	U	1.0	0.42	ug/L			09/20/21 16:34	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/20/21 16:34	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/20/21 16:34	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/20/21 16:34	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/20/21 16:34	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/20/21 16:34	1
2-Butanone	10	U	10	1.2	ug/L			09/20/21 16:34	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/20/21 16:34	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/20/21 16:34	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/20/21 16:34	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/20/21 16:34	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/20/21 16:34	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/20/21 16:34	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/20/21 16:34	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/20/21 16:34	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/20/21 16:34	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/20/21 16:34	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/20/21 16:34	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/20/21 16:34	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/20/21 16:34	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/20/21 16:34	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/20/21 16:34	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/20/21 16:34	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/20/21 16:34	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/20/21 16:34	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/20/21 16:34	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/20/21 16:34	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/20/21 16:34	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/20/21 16:34	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/20/21 16:34	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/20/21 16:34	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/20/21 16:34	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/20/21 16:34	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/20/21 16:34	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/20/21 16:34	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/20/21 16:34	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/20/21 16:34	1
2-Hexanone	10	U	10	1.1	ug/L			09/20/21 16:34	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/20/21 16:34	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/20/21 16:34	1

Client Sample ID: MSA-SW40B-091421

Lab Sample ID: 240-156133-10

Date Collected: 09/14/21 09:27
Matrix: Water
Date Received: 09/15/21 10:45

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			09/20/21 16:34	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/20/21 16:34	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/20/21 16:34	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/20/21 16:34	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/20/21 16:34	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/20/21 16:34	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/20/21 16:34	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/20/21 16:34	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/20/21 16:34	1
Styrene	1.0	U	1.0	0.45	ug/L			09/20/21 16:34	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/20/21 16:34	1
tert-Butyl alcohol	40	U *-	40	7.2	ug/L			09/20/21 16:34	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/20/21 16:34	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/20/21 16:34	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/20/21 16:34	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/20/21 16:34	1
Toluene	1.0	U	1.0	0.44	ug/L			09/20/21 16:34	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/20/21 16:34	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/20/21 16:34	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/20/21 16:34	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/20/21 16:34	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/20/21 16:34	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/20/21 16:34	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/20/21 16:34	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/20/21 16:34	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/20/21 16:34	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/20/21 16:34	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/20/21 16:34	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/20/21 16:34	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/20/21 16:34	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/20/21 16:34	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*09/20/21 16:34*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/20/21 16:34*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*56 - 136*		*09/20/21 16:34*	*1*
Dibromofluoromethane (Surr)	*92*		*73 - 120*		*09/20/21 16:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*62 - 137*		*09/20/21 16:34*	*1*
Toluene-d8 (Surr)	*93*		*78 - 122*		*09/20/21 16:34*	*1*

Client Sample ID: MSA-SW40C-091421

Lab Sample ID: 240-156133-11

Date Collected: 09/14/21 09:30
Matrix: Water
Date Received: 09/15/21 10:45

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			09/20/21 16:58	1
Benzene	1.0	U	1.0	0.42	ug/L			09/20/21 16:58	1

Client Sample ID: MSA-SW40C-091421

Date Collected: 09/14/21 09:30
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-11

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			09/20/21 16:58	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/20/21 16:58	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/20/21 16:58	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/20/21 16:58	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/20/21 16:58	1
2-Butanone	10	U	10	1.2	ug/L			09/20/21 16:58	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/20/21 16:58	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/20/21 16:58	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/20/21 16:58	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/20/21 16:58	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/20/21 16:58	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/20/21 16:58	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/20/21 16:58	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/20/21 16:58	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/20/21 16:58	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/20/21 16:58	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/20/21 16:58	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/20/21 16:58	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/20/21 16:58	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/20/21 16:58	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/20/21 16:58	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/20/21 16:58	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/20/21 16:58	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/20/21 16:58	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/20/21 16:58	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/20/21 16:58	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/20/21 16:58	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/20/21 16:58	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/20/21 16:58	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/20/21 16:58	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/20/21 16:58	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/20/21 16:58	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/20/21 16:58	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/20/21 16:58	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/20/21 16:58	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/20/21 16:58	1
2-Hexanone	10	U	10	1.1	ug/L			09/20/21 16:58	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/20/21 16:58	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/20/21 16:58	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/20/21 16:58	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/20/21 16:58	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/20/21 16:58	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/20/21 16:58	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/20/21 16:58	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/20/21 16:58	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/20/21 16:58	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/20/21 16:58	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/20/21 16:58	1
Styrene	1.0	U	1.0	0.45	ug/L			09/20/21 16:58	1

Client Sample ID: MSA-SW40C-091421

Date Collected: 09/14/21 09:30
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-11

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			09/20/21 16:58	1
tert-Butyl alcohol	40	U *-	40	7.2	ug/L			09/20/21 16:58	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/20/21 16:58	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/20/21 16:58	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/20/21 16:58	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/20/21 16:58	1
Toluene	1.0	U	1.0	0.44	ug/L			09/20/21 16:58	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/20/21 16:58	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/20/21 16:58	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/20/21 16:58	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/20/21 16:58	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/20/21 16:58	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/20/21 16:58	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/20/21 16:58	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/20/21 16:58	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/20/21 16:58	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/20/21 16:58	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/20/21 16:58	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/20/21 16:58	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/20/21 16:58	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/20/21 16:58	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*		*09/20/21 16:58*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/20/21 16:58*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*56 - 136*		*09/20/21 16:58*	*1*
Dibromofluoromethane (Surr)	*95*		*73 - 120*		*09/20/21 16:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*62 - 137*		*09/20/21 16:58*	*1*
Toluene-d8 (Surr)	*95*		*78 - 122*		*09/20/21 16:58*	*1*

Client Sample ID: MSA-SW40D-091421

Date Collected: 09/14/21 09:32
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-12

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			09/20/21 17:23	1
Benzene	1.0	U	1.0	0.42	ug/L			09/20/21 17:23	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/20/21 17:23	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/20/21 17:23	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/20/21 17:23	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/20/21 17:23	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/20/21 17:23	1
2-Butanone	10	U	10	1.2	ug/L			09/20/21 17:23	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/20/21 17:23	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/20/21 17:23	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/20/21 17:23	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/20/21 17:23	1

Client Sample ID: MSA-SW40D-091421

Date Collected: 09/14/21 09:32
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-12

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			09/20/21 17:23	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/20/21 17:23	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/20/21 17:23	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/20/21 17:23	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/20/21 17:23	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/20/21 17:23	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/20/21 17:23	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/20/21 17:23	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/20/21 17:23	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/20/21 17:23	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/20/21 17:23	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/20/21 17:23	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/20/21 17:23	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/20/21 17:23	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/20/21 17:23	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/20/21 17:23	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/20/21 17:23	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/20/21 17:23	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/20/21 17:23	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/20/21 17:23	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/20/21 17:23	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/20/21 17:23	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/20/21 17:23	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/20/21 17:23	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/20/21 17:23	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/20/21 17:23	1
2-Hexanone	10	U	10	1.1	ug/L			09/20/21 17:23	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/20/21 17:23	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/20/21 17:23	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/20/21 17:23	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/20/21 17:23	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/20/21 17:23	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/20/21 17:23	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/20/21 17:23	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/20/21 17:23	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/20/21 17:23	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/20/21 17:23	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/20/21 17:23	1
Styrene	1.0	U	1.0	0.45	ug/L			09/20/21 17:23	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/20/21 17:23	1
tert-Butyl alcohol	40	U *-	40	7.2	ug/L			09/20/21 17:23	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/20/21 17:23	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/20/21 17:23	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/20/21 17:23	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/20/21 17:23	1
Toluene	1.0	U	1.0	0.44	ug/L			09/20/21 17:23	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/20/21 17:23	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/20/21 17:23	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/20/21 17:23	1

Client Sample ID: MSA-SW40D-091421

Lab Sample ID: 240-156133-12

Date Collected: 09/14/21 09:32
Matrix: Water
Date Received: 09/15/21 10:45

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			09/20/21 17:23	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/20/21 17:23	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/20/21 17:23	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/20/21 17:23	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/20/21 17:23	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/20/21 17:23	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/20/21 17:23	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/20/21 17:23	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/20/21 17:23	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/20/21 17:23	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/20/21 17:23	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*		*09/20/21 17:23*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/20/21 17:23*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*56 - 136*		*09/20/21 17:23*	*1*
Dibromofluoromethane (Surr)	*105*		*73 - 120*		*09/20/21 17:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*62 - 137*		*09/20/21 17:23*	*1*
Toluene-d8 (Surr)	*95*		*78 - 122*		*09/20/21 17:23*	*1*

Client Sample ID: MSA-SW41A-091421

Lab Sample ID: 240-156133-13

Date Collected: 09/14/21 08:52
Matrix: Water
Date Received: 09/15/21 10:45

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			09/20/21 17:48	1
Benzene	1.0	U	1.0	0.42	ug/L			09/20/21 17:48	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/20/21 17:48	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/20/21 17:48	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/20/21 17:48	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/20/21 17:48	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/20/21 17:48	1
2-Butanone	10	U	10	1.2	ug/L			09/20/21 17:48	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/20/21 17:48	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/20/21 17:48	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/20/21 17:48	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/20/21 17:48	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/20/21 17:48	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/20/21 17:48	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/20/21 17:48	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/20/21 17:48	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/20/21 17:48	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/20/21 17:48	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/20/21 17:48	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/20/21 17:48	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/20/21 17:48	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/20/21 17:48	1

Client Sample ID: MSA-SW41A-091421

Date Collected: 09/14/21 08:52
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-13

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			09/20/21 17:48	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/20/21 17:48	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/20/21 17:48	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/20/21 17:48	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/20/21 17:48	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/20/21 17:48	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/20/21 17:48	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/20/21 17:48	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/20/21 17:48	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/20/21 17:48	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/20/21 17:48	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/20/21 17:48	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/20/21 17:48	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/20/21 17:48	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/20/21 17:48	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/20/21 17:48	1
2-Hexanone	10	U	10	1.1	ug/L			09/20/21 17:48	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/20/21 17:48	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/20/21 17:48	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/20/21 17:48	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/20/21 17:48	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/20/21 17:48	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/20/21 17:48	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/20/21 17:48	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/20/21 17:48	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/20/21 17:48	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/20/21 17:48	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/20/21 17:48	1
Styrene	1.0	U	1.0	0.45	ug/L			09/20/21 17:48	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/20/21 17:48	1
tert-Butyl alcohol	40	U *-	40	7.2	ug/L			09/20/21 17:48	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/20/21 17:48	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/20/21 17:48	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/20/21 17:48	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/20/21 17:48	1
Toluene	1.0	U	1.0	0.44	ug/L			09/20/21 17:48	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/20/21 17:48	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/20/21 17:48	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/20/21 17:48	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/20/21 17:48	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/20/21 17:48	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/20/21 17:48	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/20/21 17:48	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/20/21 17:48	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/20/21 17:48	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/20/21 17:48	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/20/21 17:48	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/20/21 17:48	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/20/21 17:48	1

Client Sample ID: MSA-SW41A-091421

Lab Sample ID: 240-156133-13

Date Collected: 09/14/21 08:52
Matrix: Water
Date Received: 09/15/21 10:45

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			09/20/21 17:48	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*		*09/20/21 17:48*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/20/21 17:48*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*56 - 136*		*09/20/21 17:48*	*1*
Dibromofluoromethane (Surr)	*97*		*73 - 120*		*09/20/21 17:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*62 - 137*		*09/20/21 17:48*	*1*
Toluene-d8 (Surr)	*92*		*78 - 122*		*09/20/21 17:48*	*1*

Client Sample ID: MSA-SW41B-091421

Lab Sample ID: 240-156133-14

Date Collected: 09/14/21 08:55
Matrix: Water
Date Received: 09/15/21 10:45

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			09/20/21 18:13	1
Benzene	1.0	U	1.0	0.42	ug/L			09/20/21 18:13	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/20/21 18:13	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/20/21 18:13	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/20/21 18:13	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/20/21 18:13	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/20/21 18:13	1
2-Butanone	10	U	10	1.2	ug/L			09/20/21 18:13	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/20/21 18:13	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/20/21 18:13	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/20/21 18:13	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/20/21 18:13	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/20/21 18:13	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/20/21 18:13	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/20/21 18:13	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/20/21 18:13	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/20/21 18:13	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/20/21 18:13	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/20/21 18:13	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/20/21 18:13	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/20/21 18:13	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/20/21 18:13	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/20/21 18:13	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/20/21 18:13	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/20/21 18:13	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/20/21 18:13	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/20/21 18:13	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/20/21 18:13	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/20/21 18:13	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/20/21 18:13	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/20/21 18:13	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/20/21 18:13	1

Client Sample ID: MSA-SW41B-091421

Date Collected: 09/14/21 08:55
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-14

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			09/20/21 18:13	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/20/21 18:13	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/20/21 18:13	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/20/21 18:13	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/20/21 18:13	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/20/21 18:13	1
2-Hexanone	10	U	10	1.1	ug/L			09/20/21 18:13	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/20/21 18:13	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/20/21 18:13	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/20/21 18:13	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/20/21 18:13	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/20/21 18:13	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/20/21 18:13	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/20/21 18:13	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/20/21 18:13	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/20/21 18:13	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/20/21 18:13	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/20/21 18:13	1
Styrene	1.0	U	1.0	0.45	ug/L			09/20/21 18:13	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/20/21 18:13	1
tert-Butyl alcohol	40	U *-	40	7.2	ug/L			09/20/21 18:13	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/20/21 18:13	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/20/21 18:13	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/20/21 18:13	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/20/21 18:13	1
Toluene	1.0	U	1.0	0.44	ug/L			09/20/21 18:13	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/20/21 18:13	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/20/21 18:13	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/20/21 18:13	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/20/21 18:13	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/20/21 18:13	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/20/21 18:13	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/20/21 18:13	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/20/21 18:13	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/20/21 18:13	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/20/21 18:13	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/20/21 18:13	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/20/21 18:13	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/20/21 18:13	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/20/21 18:13	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*		*09/20/21 18:13*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/20/21 18:13*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*56 - 136*		*09/20/21 18:13*	*1*
Dibromofluoromethane (Surr)	*103*		*73 - 120*		*09/20/21 18:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*62 - 137*		*09/20/21 18:13*	*1*
Toluene-d8 (Surr)	*93*		*78 - 122*		*09/20/21 18:13*	*1*

Client Sample ID: MSA-SW41C-091421

Date Collected: 09/14/21 08:57
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-15

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			09/20/21 18:37	1
Benzene	1.0	U	1.0	0.42	ug/L			09/20/21 18:37	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/20/21 18:37	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/20/21 18:37	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/20/21 18:37	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/20/21 18:37	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/20/21 18:37	1
2-Butanone	10	U	10	1.2	ug/L			09/20/21 18:37	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/20/21 18:37	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/20/21 18:37	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/20/21 18:37	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/20/21 18:37	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/20/21 18:37	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/20/21 18:37	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/20/21 18:37	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/20/21 18:37	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/20/21 18:37	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/20/21 18:37	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/20/21 18:37	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/20/21 18:37	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/20/21 18:37	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/20/21 18:37	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/20/21 18:37	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/20/21 18:37	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/20/21 18:37	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/20/21 18:37	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/20/21 18:37	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/20/21 18:37	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/20/21 18:37	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/20/21 18:37	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/20/21 18:37	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/20/21 18:37	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/20/21 18:37	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/20/21 18:37	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/20/21 18:37	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/20/21 18:37	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/20/21 18:37	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/20/21 18:37	1
2-Hexanone	10	U	10	1.1	ug/L			09/20/21 18:37	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/20/21 18:37	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/20/21 18:37	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/20/21 18:37	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/20/21 18:37	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/20/21 18:37	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/20/21 18:37	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/20/21 18:37	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/20/21 18:37	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/20/21 18:37	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/20/21 18:37	1

Client Sample ID: MSA-SW41C-091421

Lab Sample ID: 240-156133-15

Date Collected: 09/14/21 08:57
Matrix: Water
Date Received: 09/15/21 10:45

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			09/20/21 18:37	1
Styrene	1.0	U	1.0	0.45	ug/L			09/20/21 18:37	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/20/21 18:37	1
tert-Butyl alcohol	40	U *-	40	7.2	ug/L			09/20/21 18:37	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/20/21 18:37	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/20/21 18:37	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/20/21 18:37	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/20/21 18:37	1
Toluene	1.0	U	1.0	0.44	ug/L			09/20/21 18:37	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/20/21 18:37	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/20/21 18:37	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/20/21 18:37	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/20/21 18:37	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/20/21 18:37	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/20/21 18:37	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/20/21 18:37	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/20/21 18:37	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/20/21 18:37	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/20/21 18:37	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/20/21 18:37	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/20/21 18:37	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/20/21 18:37	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/20/21 18:37	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*		*09/20/21 18:37*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/20/21 18:37*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*56 - 136*		*09/20/21 18:37*	*1*
Dibromofluoromethane (Surr)	*108*		*73 - 120*		*09/20/21 18:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*62 - 137*		*09/20/21 18:37*	*1*
Toluene-d8 (Surr)	*94*		*78 - 122*		*09/20/21 18:37*	*1*

Client Sample ID: MSA-SW41D-091421

Lab Sample ID: 240-156133-16

Date Collected: 09/14/21 09:00
Matrix: Water
Date Received: 09/15/21 10:45

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			09/20/21 19:02	1
Benzene	1.0	U	1.0	0.42	ug/L			09/20/21 19:02	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/20/21 19:02	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/20/21 19:02	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/20/21 19:02	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/20/21 19:02	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/20/21 19:02	1
2-Butanone	10	U	10	1.2	ug/L			09/20/21 19:02	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/20/21 19:02	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/20/21 19:02	1

Client Sample ID: MSA-SW41D-091421
Date Collected: 09/14/21 09:00
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-16
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			09/20/21 19:02	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/20/21 19:02	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/20/21 19:02	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/20/21 19:02	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/20/21 19:02	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/20/21 19:02	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/20/21 19:02	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/20/21 19:02	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/20/21 19:02	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/20/21 19:02	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/20/21 19:02	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/20/21 19:02	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/20/21 19:02	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/20/21 19:02	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/20/21 19:02	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/20/21 19:02	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/20/21 19:02	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/20/21 19:02	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/20/21 19:02	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/20/21 19:02	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/20/21 19:02	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/20/21 19:02	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/20/21 19:02	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/20/21 19:02	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/20/21 19:02	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/20/21 19:02	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/20/21 19:02	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/20/21 19:02	1
2-Hexanone	10	U	10	1.1	ug/L			09/20/21 19:02	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/20/21 19:02	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/20/21 19:02	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/20/21 19:02	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/20/21 19:02	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/20/21 19:02	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/20/21 19:02	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/20/21 19:02	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/20/21 19:02	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/20/21 19:02	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/20/21 19:02	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/20/21 19:02	1
Styrene	1.0	U	1.0	0.45	ug/L			09/20/21 19:02	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/20/21 19:02	1
tert-Butyl alcohol	40	U *-	40	7.2	ug/L			09/20/21 19:02	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/20/21 19:02	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/20/21 19:02	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/20/21 19:02	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/20/21 19:02	1
Toluene	1.0	U	1.0	0.44	ug/L			09/20/21 19:02	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/20/21 19:02	1

Client Sample ID: MSA-SW41D-091421

Lab Sample ID: 240-156133-16

Date Collected: 09/14/21 09:00
Matrix: Water
Date Received: 09/15/21 10:45

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			09/20/21 19:02	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/20/21 19:02	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/20/21 19:02	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/20/21 19:02	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/20/21 19:02	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/20/21 19:02	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/20/21 19:02	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/20/21 19:02	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/20/21 19:02	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/20/21 19:02	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/20/21 19:02	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/20/21 19:02	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/20/21 19:02	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*		*09/20/21 19:02*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/20/21 19:02*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*56 - 136*		*09/20/21 19:02*	*1*
Dibromofluoromethane (Surr)	*95*		*73 - 120*		*09/20/21 19:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*62 - 137*		*09/20/21 19:02*	*1*
Toluene-d8 (Surr)	*94*		*78 - 122*		*09/20/21 19:02*	*1*

Client Sample ID: MSA-SW42A-091421

Lab Sample ID: 240-156133-17

Date Collected: 09/14/21 09:39
Matrix: Water
Date Received: 09/15/21 10:45

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			09/23/21 14:07	1
Benzene	1.0	U	1.0	0.42	ug/L			09/23/21 14:07	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/23/21 14:07	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/23/21 14:07	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/23/21 14:07	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/23/21 14:07	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/23/21 14:07	1
2-Butanone	10	U	10	1.2	ug/L			09/23/21 14:07	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/23/21 14:07	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/23/21 14:07	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/23/21 14:07	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/23/21 14:07	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/23/21 14:07	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/23/21 14:07	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/23/21 14:07	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/23/21 14:07	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/23/21 14:07	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/23/21 14:07	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/23/21 14:07	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/23/21 14:07	1

Client Sample ID: MSA-SW42A-091421
Date Collected: 09/14/21 09:39
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-17
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			09/23/21 14:07	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/23/21 14:07	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/23/21 14:07	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/23/21 14:07	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/23/21 14:07	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/23/21 14:07	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/23/21 14:07	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/23/21 14:07	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/23/21 14:07	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/23/21 14:07	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/23/21 14:07	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/23/21 14:07	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/23/21 14:07	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/23/21 14:07	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/23/21 14:07	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/23/21 14:07	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/23/21 14:07	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/23/21 14:07	1
2-Hexanone	10	U	10	1.1	ug/L			09/23/21 14:07	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/23/21 14:07	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/23/21 14:07	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/23/21 14:07	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/23/21 14:07	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/23/21 14:07	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/23/21 14:07	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/23/21 14:07	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/23/21 14:07	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/23/21 14:07	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/23/21 14:07	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/23/21 14:07	1
Styrene	1.0	U	1.0	0.45	ug/L			09/23/21 14:07	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/23/21 14:07	1
tert-Butyl alcohol	40	U *-	40	7.2	ug/L			09/23/21 14:07	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/23/21 14:07	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/23/21 14:07	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/23/21 14:07	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/23/21 14:07	1
Toluene	1.0	U	1.0	0.44	ug/L			09/23/21 14:07	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/23/21 14:07	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/23/21 14:07	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/23/21 14:07	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/23/21 14:07	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/23/21 14:07	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/23/21 14:07	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/23/21 14:07	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/23/21 14:07	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/23/21 14:07	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/23/21 14:07	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/23/21 14:07	1

Client Sample ID: MSA-SW42A-091421

Lab Sample ID: 240-156133-17

Date Collected: 09/14/21 09:39
Matrix: Water
Date Received: 09/15/21 10:45

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			09/23/21 14:07	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/23/21 14:07	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/23/21 14:07	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*09/23/21 14:07*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/23/21 14:07*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*56 - 136*		*09/23/21 14:07*	*1*
Dibromofluoromethane (Surr)	*92*		*73 - 120*		*09/23/21 14:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*62 - 137*		*09/23/21 14:07*	*1*
Toluene-d8 (Surr)	*92*		*78 - 122*		*09/23/21 14:07*	*1*

Client Sample ID: MSA-SW42B-091421

Lab Sample ID: 240-156133-18

Date Collected: 09/14/21 09:42
Matrix: Water
Date Received: 09/15/21 10:45

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			09/23/21 14:31	1
Benzene	1.0	U	1.0	0.42	ug/L			09/23/21 14:31	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/23/21 14:31	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/23/21 14:31	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/23/21 14:31	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/23/21 14:31	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/23/21 14:31	1
2-Butanone	10	U	10	1.2	ug/L			09/23/21 14:31	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/23/21 14:31	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/23/21 14:31	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/23/21 14:31	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/23/21 14:31	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/23/21 14:31	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/23/21 14:31	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/23/21 14:31	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/23/21 14:31	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/23/21 14:31	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/23/21 14:31	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/23/21 14:31	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/23/21 14:31	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/23/21 14:31	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/23/21 14:31	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/23/21 14:31	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/23/21 14:31	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/23/21 14:31	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/23/21 14:31	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/23/21 14:31	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/23/21 14:31	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/23/21 14:31	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/23/21 14:31	1

Client Sample ID: MSA-SW42B-091421

Date Collected: 09/14/21 09:42
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-18

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			09/23/21 14:31	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/23/21 14:31	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/23/21 14:31	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/23/21 14:31	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/23/21 14:31	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/23/21 14:31	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/23/21 14:31	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/23/21 14:31	1
2-Hexanone	10	U	10	1.1	ug/L			09/23/21 14:31	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/23/21 14:31	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/23/21 14:31	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/23/21 14:31	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/23/21 14:31	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/23/21 14:31	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/23/21 14:31	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/23/21 14:31	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/23/21 14:31	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/23/21 14:31	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/23/21 14:31	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/23/21 14:31	1
Styrene	1.0	U	1.0	0.45	ug/L			09/23/21 14:31	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/23/21 14:31	1
tert-Butyl alcohol	40	U *-	40	7.2	ug/L			09/23/21 14:31	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/23/21 14:31	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/23/21 14:31	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/23/21 14:31	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/23/21 14:31	1
Toluene	1.0	U	1.0	0.44	ug/L			09/23/21 14:31	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/23/21 14:31	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/23/21 14:31	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/23/21 14:31	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/23/21 14:31	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/23/21 14:31	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/23/21 14:31	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/23/21 14:31	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/23/21 14:31	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/23/21 14:31	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/23/21 14:31	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/23/21 14:31	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/23/21 14:31	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/23/21 14:31	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/23/21 14:31	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*09/23/21 14:31*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/23/21 14:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*56 - 136*		*09/23/21 14:31*	*1*
Dibromofluoromethane (Surr)	*109*		*73 - 120*		*09/23/21 14:31*	*1*

Client Sample ID: MSA-SW42B-091421

Lab Sample ID: 240-156133-18

Date Collected: 09/14/21 09:42
Matrix: Water
Date Received: 09/15/21 10:45

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*100*		*62 - 137*		*09/23/21 14:31*	*1*
Toluene-d8 (Surr)	*90*		*78 - 122*		*09/23/21 14:31*	*1*

Client Sample ID: MSA-SW42C-091421

Lab Sample ID: 240-156133-19

Date Collected: 09/14/21 09:44
Matrix: Water
Date Received: 09/15/21 10:45

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			09/23/21 14:55	1
Benzene	1.0	U	1.0	0.42	ug/L			09/23/21 14:55	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/23/21 14:55	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/23/21 14:55	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/23/21 14:55	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/23/21 14:55	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/23/21 14:55	1
2-Butanone	10	U	10	1.2	ug/L			09/23/21 14:55	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/23/21 14:55	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/23/21 14:55	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/23/21 14:55	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/23/21 14:55	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/23/21 14:55	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/23/21 14:55	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/23/21 14:55	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/23/21 14:55	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/23/21 14:55	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/23/21 14:55	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/23/21 14:55	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/23/21 14:55	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/23/21 14:55	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/23/21 14:55	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/23/21 14:55	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/23/21 14:55	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/23/21 14:55	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/23/21 14:55	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/23/21 14:55	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/23/21 14:55	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/23/21 14:55	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/23/21 14:55	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/23/21 14:55	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/23/21 14:55	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/23/21 14:55	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/23/21 14:55	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/23/21 14:55	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/23/21 14:55	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/23/21 14:55	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/23/21 14:55	1
2-Hexanone	10	U	10	1.1	ug/L			09/23/21 14:55	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/23/21 14:55	1

Client Sample ID: MSA-SW42C-091421

Lab Sample ID: 240-156133-19

Date Collected: 09/14/21 09:44
Matrix: Water
Date Received: 09/15/21 10:45

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			09/23/21 14:55	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/23/21 14:55	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/23/21 14:55	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/23/21 14:55	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/23/21 14:55	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/23/21 14:55	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/23/21 14:55	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/23/21 14:55	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/23/21 14:55	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/23/21 14:55	1
Styrene	1.0	U	1.0	0.45	ug/L			09/23/21 14:55	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/23/21 14:55	1
tert-Butyl alcohol	40	U *-	40	7.2	ug/L			09/23/21 14:55	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/23/21 14:55	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/23/21 14:55	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/23/21 14:55	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/23/21 14:55	1
Toluene	1.0	U	1.0	0.44	ug/L			09/23/21 14:55	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/23/21 14:55	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/23/21 14:55	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/23/21 14:55	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/23/21 14:55	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/23/21 14:55	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/23/21 14:55	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/23/21 14:55	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/23/21 14:55	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/23/21 14:55	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/23/21 14:55	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/23/21 14:55	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/23/21 14:55	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/23/21 14:55	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/23/21 14:55	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*		*09/23/21 14:55*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/23/21 14:55*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*56 - 136*		*09/23/21 14:55*	*1*
Dibromofluoromethane (Surr)	*101*		*73 - 120*		*09/23/21 14:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*62 - 137*		*09/23/21 14:55*	*1*
Toluene-d8 (Surr)	*93*		*78 - 122*		*09/23/21 14:55*	*1*

Client Sample ID: MSA-SW42D-091421

Lab Sample ID: 240-156133-20

Date Collected: 09/14/21 09:46
Matrix: Water
Date Received: 09/15/21 10:45

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			09/23/21 15:19	1

Client Sample ID: MSA-SW42D-091421

Date Collected: 09/14/21 09:46
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-20

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			09/23/21 15:19	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/23/21 15:19	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/23/21 15:19	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/23/21 15:19	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/23/21 15:19	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/23/21 15:19	1
2-Butanone	10	U	10	1.2	ug/L			09/23/21 15:19	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/23/21 15:19	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/23/21 15:19	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/23/21 15:19	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/23/21 15:19	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/23/21 15:19	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/23/21 15:19	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/23/21 15:19	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/23/21 15:19	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/23/21 15:19	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/23/21 15:19	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/23/21 15:19	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/23/21 15:19	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/23/21 15:19	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/23/21 15:19	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/23/21 15:19	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/23/21 15:19	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/23/21 15:19	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/23/21 15:19	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/23/21 15:19	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/23/21 15:19	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/23/21 15:19	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/23/21 15:19	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/23/21 15:19	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/23/21 15:19	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/23/21 15:19	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/23/21 15:19	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/23/21 15:19	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/23/21 15:19	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/23/21 15:19	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/23/21 15:19	1
2-Hexanone	10	U	10	1.1	ug/L			09/23/21 15:19	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/23/21 15:19	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/23/21 15:19	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/23/21 15:19	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/23/21 15:19	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/23/21 15:19	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/23/21 15:19	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/23/21 15:19	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/23/21 15:19	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/23/21 15:19	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/23/21 15:19	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/23/21 15:19	1

Client Sample ID: MSA-SW42D-091421

Lab Sample ID: 240-156133-20

Date Collected: 09/14/21 09:46
Matrix: Water
Date Received: 09/15/21 10:45

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			09/23/21 15:19	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/23/21 15:19	1
tert-Butyl alcohol	40	U *-	40	7.2	ug/L			09/23/21 15:19	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/23/21 15:19	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/23/21 15:19	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/23/21 15:19	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/23/21 15:19	1
Toluene	1.0	U	1.0	0.44	ug/L			09/23/21 15:19	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/23/21 15:19	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/23/21 15:19	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/23/21 15:19	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/23/21 15:19	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/23/21 15:19	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/23/21 15:19	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/23/21 15:19	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/23/21 15:19	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/23/21 15:19	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/23/21 15:19	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/23/21 15:19	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/23/21 15:19	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/23/21 15:19	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/23/21 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*		*09/23/21 15:19*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/23/21 15:19*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*56 - 136*		*09/23/21 15:19*	*1*
Dibromofluoromethane (Surr)	*110*		*73 - 120*		*09/23/21 15:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*62 - 137*		*09/23/21 15:19*	*1*
Toluene-d8 (Surr)	*92*		*78 - 122*		*09/23/21 15:19*	*1*

Client Sample ID: MSA-SW43A-091421

Lab Sample ID: 240-156133-21

Date Collected: 09/14/21 08:35
Matrix: Water
Date Received: 09/15/21 10:45

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			09/23/21 15:43	1
Benzene	1.0	U	1.0	0.42	ug/L			09/23/21 15:43	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/23/21 15:43	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/23/21 15:43	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/23/21 15:43	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/23/21 15:43	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/23/21 15:43	1
2-Butanone	10	U	10	1.2	ug/L			09/23/21 15:43	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/23/21 15:43	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/23/21 15:43	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/23/21 15:43	1

Client Sample ID: MSA-SW43A-091421

Date Collected: 09/14/21 08:35
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-21

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			09/23/21 15:43	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/23/21 15:43	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/23/21 15:43	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/23/21 15:43	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/23/21 15:43	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/23/21 15:43	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/23/21 15:43	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/23/21 15:43	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/23/21 15:43	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/23/21 15:43	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/23/21 15:43	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/23/21 15:43	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/23/21 15:43	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/23/21 15:43	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/23/21 15:43	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/23/21 15:43	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/23/21 15:43	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/23/21 15:43	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/23/21 15:43	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/23/21 15:43	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/23/21 15:43	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/23/21 15:43	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/23/21 15:43	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/23/21 15:43	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/23/21 15:43	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/23/21 15:43	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/23/21 15:43	1
2-Hexanone	10	U	10	1.1	ug/L			09/23/21 15:43	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/23/21 15:43	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/23/21 15:43	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/23/21 15:43	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/23/21 15:43	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/23/21 15:43	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/23/21 15:43	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/23/21 15:43	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/23/21 15:43	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/23/21 15:43	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/23/21 15:43	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/23/21 15:43	1
Styrene	1.0	U	1.0	0.45	ug/L			09/23/21 15:43	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/23/21 15:43	1
tert-Butyl alcohol	40	U *-	40	7.2	ug/L			09/23/21 15:43	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/23/21 15:43	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/23/21 15:43	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/23/21 15:43	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/23/21 15:43	1
Toluene	1.0	U	1.0	0.44	ug/L			09/23/21 15:43	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/23/21 15:43	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/23/21 15:43	1

Client Sample ID: MSA-SW43A-091421

Lab Sample ID: 240-156133-21

Date Collected: 09/14/21 08:35
Matrix: Water
Date Received: 09/15/21 10:45

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			09/23/21 15:43	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/23/21 15:43	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/23/21 15:43	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/23/21 15:43	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/23/21 15:43	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/23/21 15:43	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/23/21 15:43	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/23/21 15:43	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/23/21 15:43	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/23/21 15:43	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/23/21 15:43	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/23/21 15:43	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*		*09/23/21 15:43*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/23/21 15:43*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*56 - 136*		*09/23/21 15:43*	*1*
Dibromofluoromethane (Surr)	*97*		*73 - 120*		*09/23/21 15:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*62 - 137*		*09/23/21 15:43*	*1*
Toluene-d8 (Surr)	*94*		*78 - 122*		*09/23/21 15:43*	*1*

Client Sample ID: MSA-SW43B-091421

Lab Sample ID: 240-156133-22

Date Collected: 09/14/21 08:38
Matrix: Water
Date Received: 09/15/21 10:45

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			09/23/21 16:08	1
Benzene	1.0	U	1.0	0.42	ug/L			09/23/21 16:08	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/23/21 16:08	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/23/21 16:08	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/23/21 16:08	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/23/21 16:08	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/23/21 16:08	1
2-Butanone	10	U	10	1.2	ug/L			09/23/21 16:08	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/23/21 16:08	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/23/21 16:08	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/23/21 16:08	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/23/21 16:08	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/23/21 16:08	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/23/21 16:08	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/23/21 16:08	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/23/21 16:08	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/23/21 16:08	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/23/21 16:08	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/23/21 16:08	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/23/21 16:08	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/23/21 16:08	1

Client Sample ID: MSA-SW43B-091421

Date Collected: 09/14/21 08:38
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-22

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			09/23/21 16:08	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/23/21 16:08	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/23/21 16:08	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/23/21 16:08	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/23/21 16:08	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/23/21 16:08	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/23/21 16:08	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/23/21 16:08	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/23/21 16:08	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/23/21 16:08	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/23/21 16:08	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/23/21 16:08	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/23/21 16:08	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/23/21 16:08	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/23/21 16:08	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/23/21 16:08	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/23/21 16:08	1
2-Hexanone	10	U	10	1.1	ug/L			09/23/21 16:08	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/23/21 16:08	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/23/21 16:08	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/23/21 16:08	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/23/21 16:08	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/23/21 16:08	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/23/21 16:08	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/23/21 16:08	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/23/21 16:08	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/23/21 16:08	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/23/21 16:08	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/23/21 16:08	1
Styrene	1.0	U	1.0	0.45	ug/L			09/23/21 16:08	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/23/21 16:08	1
tert-Butyl alcohol	40	U *-	40	7.2	ug/L			09/23/21 16:08	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/23/21 16:08	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/23/21 16:08	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/23/21 16:08	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/23/21 16:08	1
Toluene	1.0	U	1.0	0.44	ug/L			09/23/21 16:08	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/23/21 16:08	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/23/21 16:08	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/23/21 16:08	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/23/21 16:08	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/23/21 16:08	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/23/21 16:08	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/23/21 16:08	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/23/21 16:08	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/23/21 16:08	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/23/21 16:08	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/23/21 16:08	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/23/21 16:08	1

Client Sample ID: MSA-SW43B-091421

Lab Sample ID: 240-156133-22

Date Collected: 09/14/21 08:38
Matrix: Water
Date Received: 09/15/21 10:45

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			09/23/21 16:08	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/23/21 16:08	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*		*09/23/21 16:08*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/23/21 16:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*56 - 136*		*09/23/21 16:08*	*1*
Dibromofluoromethane (Surr)	*109*		*73 - 120*		*09/23/21 16:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*62 - 137*		*09/23/21 16:08*	*1*
Toluene-d8 (Surr)	*91*		*78 - 122*		*09/23/21 16:08*	*1*

Client Sample ID: MSA-SW43C-091421

Lab Sample ID: 240-156133-23

Date Collected: 09/14/21 08:41
Matrix: Water
Date Received: 09/15/21 10:45

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			09/23/21 16:32	1
Benzene	1.0	U	1.0	0.42	ug/L			09/23/21 16:32	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/23/21 16:32	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/23/21 16:32	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/23/21 16:32	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/23/21 16:32	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/23/21 16:32	1
2-Butanone	10	U	10	1.2	ug/L			09/23/21 16:32	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/23/21 16:32	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/23/21 16:32	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/23/21 16:32	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/23/21 16:32	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/23/21 16:32	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/23/21 16:32	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/23/21 16:32	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/23/21 16:32	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/23/21 16:32	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/23/21 16:32	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/23/21 16:32	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/23/21 16:32	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/23/21 16:32	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/23/21 16:32	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/23/21 16:32	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/23/21 16:32	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/23/21 16:32	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/23/21 16:32	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/23/21 16:32	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/23/21 16:32	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/23/21 16:32	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/23/21 16:32	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/23/21 16:32	1

Client Sample ID: MSA-SW43C-091421

Date Collected: 09/14/21 08:41
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-23

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			09/23/21 16:32	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/23/21 16:32	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/23/21 16:32	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/23/21 16:32	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/23/21 16:32	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/23/21 16:32	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/23/21 16:32	1
2-Hexanone	10	U	10	1.1	ug/L			09/23/21 16:32	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/23/21 16:32	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/23/21 16:32	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/23/21 16:32	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/23/21 16:32	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/23/21 16:32	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/23/21 16:32	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/23/21 16:32	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/23/21 16:32	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/23/21 16:32	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/23/21 16:32	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/23/21 16:32	1
Styrene	1.0	U	1.0	0.45	ug/L			09/23/21 16:32	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/23/21 16:32	1
tert-Butyl alcohol	40	U *-	40	7.2	ug/L			09/23/21 16:32	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/23/21 16:32	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/23/21 16:32	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/23/21 16:32	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/23/21 16:32	1
Toluene	1.0	U	1.0	0.44	ug/L			09/23/21 16:32	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/23/21 16:32	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/23/21 16:32	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/23/21 16:32	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/23/21 16:32	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/23/21 16:32	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/23/21 16:32	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/23/21 16:32	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/23/21 16:32	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/23/21 16:32	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/23/21 16:32	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/23/21 16:32	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/23/21 16:32	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/23/21 16:32	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/23/21 16:32	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*		*09/23/21 16:32*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/23/21 16:32*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*56 - 136*		*09/23/21 16:32*	*1*
Dibromofluoromethane (Surr)	*102*		*73 - 120*		*09/23/21 16:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*62 - 137*		*09/23/21 16:32*	*1*

Client Sample ID: MSA-SW43C-091421

Lab Sample ID: 240-156133-23

Date Collected: 09/14/21 08:41
Matrix: Water
Date Received: 09/15/21 10:45

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*78 - 122*		*09/23/21 16:32*	*1*

Client Sample ID: MSA-SW43D-091421

Lab Sample ID: 240-156133-24

Date Collected: 09/14/21 08:44
Matrix: Water
Date Received: 09/15/21 10:45

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			09/23/21 16:56	1
Benzene	1.0	U	1.0	0.42	ug/L			09/23/21 16:56	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/23/21 16:56	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/23/21 16:56	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/23/21 16:56	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/23/21 16:56	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/23/21 16:56	1
2-Butanone	10	U	10	1.2	ug/L			09/23/21 16:56	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/23/21 16:56	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/23/21 16:56	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/23/21 16:56	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/23/21 16:56	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/23/21 16:56	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/23/21 16:56	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/23/21 16:56	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/23/21 16:56	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/23/21 16:56	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/23/21 16:56	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/23/21 16:56	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/23/21 16:56	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/23/21 16:56	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/23/21 16:56	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/23/21 16:56	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/23/21 16:56	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/23/21 16:56	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/23/21 16:56	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/23/21 16:56	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/23/21 16:56	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/23/21 16:56	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/23/21 16:56	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/23/21 16:56	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/23/21 16:56	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/23/21 16:56	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/23/21 16:56	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/23/21 16:56	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/23/21 16:56	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/23/21 16:56	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/23/21 16:56	1
2-Hexanone	10	U	10	1.1	ug/L			09/23/21 16:56	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/23/21 16:56	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/23/21 16:56	1

Client Sample ID: MSA-SW43D-091421

Lab Sample ID: 240-156133-24

Date Collected: 09/14/21 08:44
Matrix: Water
Date Received: 09/15/21 10:45

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			09/23/21 16:56	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/23/21 16:56	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/23/21 16:56	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/23/21 16:56	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/23/21 16:56	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/23/21 16:56	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/23/21 16:56	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/23/21 16:56	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/23/21 16:56	1
Styrene	1.0	U	1.0	0.45	ug/L			09/23/21 16:56	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/23/21 16:56	1
tert-Butyl alcohol	40	U *-	40	7.2	ug/L			09/23/21 16:56	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/23/21 16:56	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/23/21 16:56	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/23/21 16:56	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/23/21 16:56	1
Toluene	1.0	U	1.0	0.44	ug/L			09/23/21 16:56	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/23/21 16:56	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/23/21 16:56	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/23/21 16:56	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/23/21 16:56	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/23/21 16:56	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/23/21 16:56	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/23/21 16:56	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/23/21 16:56	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/23/21 16:56	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/23/21 16:56	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/23/21 16:56	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/23/21 16:56	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/23/21 16:56	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/23/21 16:56	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*09/23/21 16:56*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/23/21 16:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*56 - 136*		*09/23/21 16:56*	*1*
Dibromofluoromethane (Surr)	*106*		*73 - 120*		*09/23/21 16:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*62 - 137*		*09/23/21 16:56*	*1*
Toluene-d8 (Surr)	*92*		*78 - 122*		*09/23/21 16:56*	*1*

Client Sample ID: MSA-SW44A-091421

Lab Sample ID: 240-156133-25

Date Collected: 09/14/21 08:20
Matrix: Water
Date Received: 09/15/21 10:45

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			09/23/21 17:21	1
Benzene	1.0	U	1.0	0.42	ug/L			09/23/21 17:21	1

Client Sample ID: MSA-SW44A-091421

Date Collected: 09/14/21 08:20
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-25

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			09/23/21 17:21	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/23/21 17:21	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/23/21 17:21	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/23/21 17:21	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/23/21 17:21	1
2-Butanone	10	U	10	1.2	ug/L			09/23/21 17:21	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/23/21 17:21	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/23/21 17:21	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/23/21 17:21	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/23/21 17:21	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/23/21 17:21	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/23/21 17:21	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/23/21 17:21	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/23/21 17:21	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/23/21 17:21	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/23/21 17:21	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/23/21 17:21	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/23/21 17:21	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/23/21 17:21	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/23/21 17:21	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/23/21 17:21	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/23/21 17:21	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/23/21 17:21	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/23/21 17:21	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/23/21 17:21	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/23/21 17:21	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/23/21 17:21	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/23/21 17:21	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/23/21 17:21	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/23/21 17:21	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/23/21 17:21	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/23/21 17:21	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/23/21 17:21	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/23/21 17:21	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/23/21 17:21	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/23/21 17:21	1
2-Hexanone	10	U	10	1.1	ug/L			09/23/21 17:21	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/23/21 17:21	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/23/21 17:21	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/23/21 17:21	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/23/21 17:21	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/23/21 17:21	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/23/21 17:21	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/23/21 17:21	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/23/21 17:21	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/23/21 17:21	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/23/21 17:21	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/23/21 17:21	1
Styrene	1.0	U	1.0	0.45	ug/L			09/23/21 17:21	1

Client Sample ID: MSA-SW44A-091421

Lab Sample ID: 240-156133-25

Date Collected: 09/14/21 08:20
Matrix: Water
Date Received: 09/15/21 10:45

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			09/23/21 17:21	1
tert-Butyl alcohol	40	U *-	40	7.2	ug/L			09/23/21 17:21	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/23/21 17:21	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/23/21 17:21	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/23/21 17:21	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/23/21 17:21	1
Toluene	1.0	U	1.0	0.44	ug/L			09/23/21 17:21	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/23/21 17:21	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/23/21 17:21	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/23/21 17:21	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/23/21 17:21	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/23/21 17:21	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/23/21 17:21	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/23/21 17:21	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/23/21 17:21	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/23/21 17:21	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/23/21 17:21	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/23/21 17:21	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/23/21 17:21	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/23/21 17:21	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/23/21 17:21	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*		*09/23/21 17:21*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/23/21 17:21*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*56 - 136*		*09/23/21 17:21*	*1*
Dibromofluoromethane (Surr)	*105*		*73 - 120*		*09/23/21 17:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*62 - 137*		*09/23/21 17:21*	*1*
Toluene-d8 (Surr)	*93*		*78 - 122*		*09/23/21 17:21*	*1*

Client Sample ID: MSA-SW44B-091421

Lab Sample ID: 240-156133-26

Date Collected: 09/14/21 08:27
Matrix: Water
Date Received: 09/15/21 10:45

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			09/23/21 17:45	1
Benzene	1.0	U	1.0	0.42	ug/L			09/23/21 17:45	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/23/21 17:45	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/23/21 17:45	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/23/21 17:45	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/23/21 17:45	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/23/21 17:45	1
2-Butanone	10	U	10	1.2	ug/L			09/23/21 17:45	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/23/21 17:45	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/23/21 17:45	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/23/21 17:45	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/23/21 17:45	1

Client Sample ID: MSA-SW44B-091421

Date Collected: 09/14/21 08:27
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-26

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			09/23/21 17:45	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/23/21 17:45	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/23/21 17:45	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/23/21 17:45	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/23/21 17:45	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/23/21 17:45	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/23/21 17:45	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/23/21 17:45	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/23/21 17:45	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/23/21 17:45	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/23/21 17:45	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/23/21 17:45	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/23/21 17:45	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/23/21 17:45	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/23/21 17:45	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/23/21 17:45	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/23/21 17:45	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/23/21 17:45	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/23/21 17:45	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/23/21 17:45	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/23/21 17:45	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/23/21 17:45	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/23/21 17:45	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/23/21 17:45	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/23/21 17:45	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/23/21 17:45	1
2-Hexanone	10	U	10	1.1	ug/L			09/23/21 17:45	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/23/21 17:45	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/23/21 17:45	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/23/21 17:45	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/23/21 17:45	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/23/21 17:45	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/23/21 17:45	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/23/21 17:45	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/23/21 17:45	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/23/21 17:45	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/23/21 17:45	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/23/21 17:45	1
Styrene	1.0	U	1.0	0.45	ug/L			09/23/21 17:45	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/23/21 17:45	1
tert-Butyl alcohol	40	U *-	40	7.2	ug/L			09/23/21 17:45	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/23/21 17:45	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/23/21 17:45	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/23/21 17:45	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/23/21 17:45	1
Toluene	1.0	U	1.0	0.44	ug/L			09/23/21 17:45	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/23/21 17:45	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/23/21 17:45	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/23/21 17:45	1

Client Sample ID: MSA-SW44B-091421

Lab Sample ID: 240-156133-26

Date Collected: 09/14/21 08:27
Date Received: 09/15/21 10:45

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/23/21 17:45	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/23/21 17:45	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/23/21 17:45	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/23/21 17:45	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/23/21 17:45	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/23/21 17:45	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/23/21 17:45	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/23/21 17:45	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/23/21 17:45	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/23/21 17:45	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/23/21 17:45	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*		*09/23/21 17:45*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/23/21 17:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*56 - 136*		*09/23/21 17:45*	*1*
Dibromofluoromethane (Surr)	*108*		*73 - 120*		*09/23/21 17:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*62 - 137*		*09/23/21 17:45*	*1*
Toluene-d8 (Surr)	*93*		*78 - 122*		*09/23/21 17:45*	*1*

Client Sample ID: MSA-SW44C-091421

Lab Sample ID: 240-156133-27

Date Collected: 09/14/21 08:30
Date Received: 09/15/21 10:45

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			09/23/21 18:10	1
Benzene	1.0	U	1.0	0.42	ug/L			09/23/21 18:10	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/23/21 18:10	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/23/21 18:10	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/23/21 18:10	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/23/21 18:10	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/23/21 18:10	1
2-Butanone	10	U	10	1.2	ug/L			09/23/21 18:10	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/23/21 18:10	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/23/21 18:10	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/23/21 18:10	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/23/21 18:10	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/23/21 18:10	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/23/21 18:10	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/23/21 18:10	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/23/21 18:10	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/23/21 18:10	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/23/21 18:10	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/23/21 18:10	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/23/21 18:10	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/23/21 18:10	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/23/21 18:10	1

Client Sample ID: MSA-SW44C-091421

Date Collected: 09/14/21 08:30
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-27

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			09/23/21 18:10	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/23/21 18:10	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/23/21 18:10	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/23/21 18:10	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/23/21 18:10	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/23/21 18:10	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/23/21 18:10	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/23/21 18:10	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/23/21 18:10	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/23/21 18:10	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/23/21 18:10	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/23/21 18:10	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/23/21 18:10	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/23/21 18:10	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/23/21 18:10	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/23/21 18:10	1
2-Hexanone	10	U	10	1.1	ug/L			09/23/21 18:10	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/23/21 18:10	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/23/21 18:10	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/23/21 18:10	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/23/21 18:10	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/23/21 18:10	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/23/21 18:10	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/23/21 18:10	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/23/21 18:10	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/23/21 18:10	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/23/21 18:10	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/23/21 18:10	1
Styrene	1.0	U	1.0	0.45	ug/L			09/23/21 18:10	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/23/21 18:10	1
tert-Butyl alcohol	40	U *-	40	7.2	ug/L			09/23/21 18:10	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/23/21 18:10	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/23/21 18:10	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/23/21 18:10	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/23/21 18:10	1
Toluene	1.0	U	1.0	0.44	ug/L			09/23/21 18:10	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/23/21 18:10	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/23/21 18:10	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/23/21 18:10	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/23/21 18:10	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/23/21 18:10	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/23/21 18:10	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/23/21 18:10	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/23/21 18:10	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/23/21 18:10	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/23/21 18:10	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/23/21 18:10	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/23/21 18:10	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/23/21 18:10	1

Client Sample ID: MSA-SW44C-091421

Lab Sample ID: 240-156133-27

Date Collected: 09/14/21 08:30
Matrix: Water
Date Received: 09/15/21 10:45

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			09/23/21 18:10	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*		*09/23/21 18:10*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/23/21 18:10*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*56 - 136*		*09/23/21 18:10*	*1*
Dibromofluoromethane (Surr)	*102*		*73 - 120*		*09/23/21 18:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*62 - 137*		*09/23/21 18:10*	*1*
Toluene-d8 (Surr)	*92*		*78 - 122*		*09/23/21 18:10*	*1*

Client Sample ID: MSA-SW44D-091421

Lab Sample ID: 240-156133-28

Date Collected: 09/14/21 08:32
Matrix: Water
Date Received: 09/15/21 10:45

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			09/23/21 18:35	1
Benzene	1.0	U	1.0	0.42	ug/L			09/23/21 18:35	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/23/21 18:35	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/23/21 18:35	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/23/21 18:35	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/23/21 18:35	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/23/21 18:35	1
2-Butanone	10	U	10	1.2	ug/L			09/23/21 18:35	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/23/21 18:35	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/23/21 18:35	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/23/21 18:35	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/23/21 18:35	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/23/21 18:35	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/23/21 18:35	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/23/21 18:35	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/23/21 18:35	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/23/21 18:35	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/23/21 18:35	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/23/21 18:35	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/23/21 18:35	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/23/21 18:35	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/23/21 18:35	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/23/21 18:35	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/23/21 18:35	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/23/21 18:35	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/23/21 18:35	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/23/21 18:35	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/23/21 18:35	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/23/21 18:35	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/23/21 18:35	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/23/21 18:35	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/23/21 18:35	1

Client Sample ID: MSA-SW44D-091421

Date Collected: 09/14/21 08:32
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-28

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			09/23/21 18:35	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/23/21 18:35	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/23/21 18:35	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/23/21 18:35	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/23/21 18:35	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/23/21 18:35	1
2-Hexanone	10	U	10	1.1	ug/L			09/23/21 18:35	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/23/21 18:35	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/23/21 18:35	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/23/21 18:35	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/23/21 18:35	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/23/21 18:35	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/23/21 18:35	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/23/21 18:35	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/23/21 18:35	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/23/21 18:35	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/23/21 18:35	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/23/21 18:35	1
Styrene	1.0	U	1.0	0.45	ug/L			09/23/21 18:35	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/23/21 18:35	1
tert-Butyl alcohol	40	U *-	40	7.2	ug/L			09/23/21 18:35	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/23/21 18:35	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/23/21 18:35	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/23/21 18:35	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/23/21 18:35	1
Toluene	1.0	U	1.0	0.44	ug/L			09/23/21 18:35	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/23/21 18:35	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/23/21 18:35	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/23/21 18:35	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/23/21 18:35	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/23/21 18:35	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/23/21 18:35	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/23/21 18:35	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/23/21 18:35	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/23/21 18:35	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/23/21 18:35	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/23/21 18:35	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/23/21 18:35	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/23/21 18:35	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/23/21 18:35	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*		*09/23/21 18:35*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/23/21 18:35*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*56 - 136*		*09/23/21 18:35*	*1*
Dibromofluoromethane (Surr)	*94*		*73 - 120*		*09/23/21 18:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*62 - 137*		*09/23/21 18:35*	*1*
Toluene-d8 (Surr)	*93*		*78 - 122*		*09/23/21 18:35*	*1*

Client Sample ID: TB-091421

Date Collected: 09/14/21 00:00
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-29

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			09/23/21 18:59	1
Benzene	1.0	U	1.0	0.42	ug/L			09/23/21 18:59	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/23/21 18:59	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/23/21 18:59	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/23/21 18:59	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/23/21 18:59	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/23/21 18:59	1
2-Butanone	10	U	10	1.2	ug/L			09/23/21 18:59	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/23/21 18:59	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/23/21 18:59	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/23/21 18:59	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/23/21 18:59	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/23/21 18:59	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/23/21 18:59	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/23/21 18:59	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/23/21 18:59	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/23/21 18:59	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/23/21 18:59	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/23/21 18:59	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/23/21 18:59	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/23/21 18:59	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/23/21 18:59	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/23/21 18:59	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/23/21 18:59	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/23/21 18:59	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/23/21 18:59	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/23/21 18:59	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/23/21 18:59	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/23/21 18:59	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/23/21 18:59	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/23/21 18:59	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/23/21 18:59	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/23/21 18:59	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/23/21 18:59	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/23/21 18:59	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/23/21 18:59	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/23/21 18:59	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/23/21 18:59	1
2-Hexanone	10	U	10	1.1	ug/L			09/23/21 18:59	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/23/21 18:59	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/23/21 18:59	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/23/21 18:59	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/23/21 18:59	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/23/21 18:59	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/23/21 18:59	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/23/21 18:59	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/23/21 18:59	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/23/21 18:59	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/23/21 18:59	1

Client Sample ID: TB-091421

Date Collected: 09/14/21 00:00
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-29

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			09/23/21 18:59	1
Styrene	1.0	U	1.0	0.45	ug/L			09/23/21 18:59	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/23/21 18:59	1
tert-Butyl alcohol	40	U *-	40	7.2	ug/L			09/23/21 18:59	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/23/21 18:59	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/23/21 18:59	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/23/21 18:59	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/23/21 18:59	1
Toluene	1.0	U	1.0	0.44	ug/L			09/23/21 18:59	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/23/21 18:59	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/23/21 18:59	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/23/21 18:59	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/23/21 18:59	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/23/21 18:59	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/23/21 18:59	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/23/21 18:59	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/23/21 18:59	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/23/21 18:59	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/23/21 18:59	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/23/21 18:59	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/23/21 18:59	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/23/21 18:59	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/23/21 18:59	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*		*09/23/21 18:59*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/23/21 18:59*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*56 - 136*		*09/23/21 18:59*	*1*
Dibromofluoromethane (Surr)	*98*		*73 - 120*		*09/23/21 18:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*62 - 137*		*09/23/21 18:59*	*1*
Toluene-d8 (Surr)	*94*		*78 - 122*		*09/23/21 18:59*	*1*

Client Sample ID: MSA-SW46A-091421

Date Collected: 09/14/21 09:57
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-30

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			09/18/21 21:48	1
Benzene	1.0	U	1.0	0.42	ug/L			09/18/21 21:48	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/18/21 21:48	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/18/21 21:48	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/18/21 21:48	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/18/21 21:48	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/18/21 21:48	1
2-Butanone	10	U	10	1.2	ug/L			09/18/21 21:48	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/18/21 21:48	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/18/21 21:48	1

Client Sample ID: MSA-SW46A-091421

Date Collected: 09/14/21 09:57
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-30

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			09/18/21 21:48	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/18/21 21:48	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/18/21 21:48	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/18/21 21:48	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/18/21 21:48	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/18/21 21:48	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/18/21 21:48	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/18/21 21:48	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/18/21 21:48	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/18/21 21:48	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/18/21 21:48	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/18/21 21:48	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/18/21 21:48	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/18/21 21:48	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/18/21 21:48	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/18/21 21:48	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/18/21 21:48	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/18/21 21:48	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/18/21 21:48	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/18/21 21:48	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/18/21 21:48	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/18/21 21:48	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/18/21 21:48	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/18/21 21:48	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/18/21 21:48	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/18/21 21:48	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/18/21 21:48	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/18/21 21:48	1
2-Hexanone	10	U	10	1.1	ug/L			09/18/21 21:48	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/18/21 21:48	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/18/21 21:48	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/18/21 21:48	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/18/21 21:48	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/18/21 21:48	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/18/21 21:48	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/18/21 21:48	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/18/21 21:48	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/18/21 21:48	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/18/21 21:48	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/18/21 21:48	1
Styrene	1.0	U	1.0	0.45	ug/L			09/18/21 21:48	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/18/21 21:48	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			09/18/21 21:48	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/18/21 21:48	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/18/21 21:48	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/18/21 21:48	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/18/21 21:48	1
Toluene	1.0	U	1.0	0.44	ug/L			09/18/21 21:48	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/18/21 21:48	1

Client Sample ID: MSA-SW46A-091421

Lab Sample ID: 240-156133-30

Date Collected: 09/14/21 09:57
Matrix: Water
Date Received: 09/15/21 10:45

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			09/18/21 21:48	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/18/21 21:48	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/18/21 21:48	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/18/21 21:48	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/18/21 21:48	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/18/21 21:48	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/18/21 21:48	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/18/21 21:48	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/18/21 21:48	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/18/21 21:48	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/18/21 21:48	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/18/21 21:48	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/18/21 21:48	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*		*09/18/21 21:48*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/18/21 21:48*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*56 - 136*		*09/18/21 21:48*	*1*
Dibromofluoromethane (Surr)	*97*		*73 - 120*		*09/18/21 21:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*62 - 137*		*09/18/21 21:48*	*1*
Toluene-d8 (Surr)	*97*		*78 - 122*		*09/18/21 21:48*	*1*

Client Sample ID: MSA-SW47A-091421

Lab Sample ID: 240-156133-31

Date Collected: 09/14/21 09:18
Matrix: Water
Date Received: 09/15/21 10:45

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			09/18/21 22:10	1
Benzene	1.0	U	1.0	0.42	ug/L			09/18/21 22:10	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/18/21 22:10	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/18/21 22:10	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/18/21 22:10	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/18/21 22:10	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/18/21 22:10	1
2-Butanone	10	U	10	1.2	ug/L			09/18/21 22:10	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/18/21 22:10	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/18/21 22:10	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/18/21 22:10	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/18/21 22:10	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/18/21 22:10	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/18/21 22:10	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/18/21 22:10	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/18/21 22:10	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/18/21 22:10	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/18/21 22:10	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/18/21 22:10	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/18/21 22:10	1

Client Sample ID: MSA-SW47A-091421
Date Collected: 09/14/21 09:18
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-31
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			09/18/21 22:10	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/18/21 22:10	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/18/21 22:10	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/18/21 22:10	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/18/21 22:10	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/18/21 22:10	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/18/21 22:10	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/18/21 22:10	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/18/21 22:10	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/18/21 22:10	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/18/21 22:10	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/18/21 22:10	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/18/21 22:10	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/18/21 22:10	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/18/21 22:10	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/18/21 22:10	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/18/21 22:10	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/18/21 22:10	1
2-Hexanone	10	U	10	1.1	ug/L			09/18/21 22:10	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/18/21 22:10	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/18/21 22:10	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/18/21 22:10	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/18/21 22:10	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/18/21 22:10	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/18/21 22:10	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/18/21 22:10	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/18/21 22:10	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/18/21 22:10	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/18/21 22:10	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/18/21 22:10	1
Styrene	1.0	U	1.0	0.45	ug/L			09/18/21 22:10	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/18/21 22:10	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			09/18/21 22:10	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/18/21 22:10	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/18/21 22:10	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/18/21 22:10	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/18/21 22:10	1
Toluene	1.0	U	1.0	0.44	ug/L			09/18/21 22:10	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/18/21 22:10	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/18/21 22:10	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/18/21 22:10	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/18/21 22:10	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/18/21 22:10	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/18/21 22:10	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/18/21 22:10	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/18/21 22:10	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/18/21 22:10	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/18/21 22:10	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/18/21 22:10	1

Client Sample ID: MSA-SW47A-091421

Lab Sample ID: 240-156133-31

Date Collected: 09/14/21 09:18
Matrix: Water
Date Received: 09/15/21 10:45

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			09/18/21 22:10	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/18/21 22:10	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/18/21 22:10	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*		*09/18/21 22:10*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/18/21 22:10*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*56 - 136*		*09/18/21 22:10*	*1*
Dibromofluoromethane (Surr)	*99*		*73 - 120*		*09/18/21 22:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*62 - 137*		*09/18/21 22:10*	*1*
Toluene-d8 (Surr)	*98*		*78 - 122*		*09/18/21 22:10*	*1*

Client Sample ID: MSA-SW48A-091421

Lab Sample ID: 240-156133-32

Date Collected: 09/14/21 09:03
Matrix: Water
Date Received: 09/15/21 10:45

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			09/18/21 22:32	1
Benzene	1.0	U	1.0	0.42	ug/L			09/18/21 22:32	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/18/21 22:32	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/18/21 22:32	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/18/21 22:32	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/18/21 22:32	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/18/21 22:32	1
2-Butanone	10	U	10	1.2	ug/L			09/18/21 22:32	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/18/21 22:32	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/18/21 22:32	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/18/21 22:32	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/18/21 22:32	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/18/21 22:32	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/18/21 22:32	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/18/21 22:32	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/18/21 22:32	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/18/21 22:32	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/18/21 22:32	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/18/21 22:32	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/18/21 22:32	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/18/21 22:32	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/18/21 22:32	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/18/21 22:32	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/18/21 22:32	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/18/21 22:32	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/18/21 22:32	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/18/21 22:32	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/18/21 22:32	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/18/21 22:32	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/18/21 22:32	1

Client Sample ID: MSA-SW48A-091421

Date Collected: 09/14/21 09:03
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-32

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			09/18/21 22:32	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/18/21 22:32	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/18/21 22:32	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/18/21 22:32	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/18/21 22:32	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/18/21 22:32	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/18/21 22:32	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/18/21 22:32	1
2-Hexanone	10	U	10	1.1	ug/L			09/18/21 22:32	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/18/21 22:32	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/18/21 22:32	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/18/21 22:32	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/18/21 22:32	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/18/21 22:32	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/18/21 22:32	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/18/21 22:32	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/18/21 22:32	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/18/21 22:32	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/18/21 22:32	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/18/21 22:32	1
Styrene	1.0	U	1.0	0.45	ug/L			09/18/21 22:32	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/18/21 22:32	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			09/18/21 22:32	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/18/21 22:32	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/18/21 22:32	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/18/21 22:32	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/18/21 22:32	1
Toluene	1.0	U	1.0	0.44	ug/L			09/18/21 22:32	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/18/21 22:32	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/18/21 22:32	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/18/21 22:32	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/18/21 22:32	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/18/21 22:32	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/18/21 22:32	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/18/21 22:32	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/18/21 22:32	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/18/21 22:32	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/18/21 22:32	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/18/21 22:32	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/18/21 22:32	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/18/21 22:32	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/18/21 22:32	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*		*09/18/21 22:32*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/18/21 22:32*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*56 - 136*		*09/18/21 22:32*	*1*
Dibromofluoromethane (Surr)	*100*		*73 - 120*		*09/18/21 22:32*	*1*

Client Sample ID: MSA-SW48A-091421

Lab Sample ID: 240-156133-32

Date Collected: 09/14/21 09:03
Matrix: Water
Date Received: 09/15/21 10:45

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*62 - 137*		*09/18/21 22:32*	*1*
Toluene-d8 (Surr)	*98*		*78 - 122*		*09/18/21 22:32*	*1*

Client Sample ID: MSA-SW49A-091421

Lab Sample ID: 240-156133-33

Date Collected: 09/14/21 08:47
Matrix: Water
Date Received: 09/15/21 10:45

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			09/18/21 22:54	1
Benzene	1.0	U	1.0	0.42	ug/L			09/18/21 22:54	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/18/21 22:54	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/18/21 22:54	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/18/21 22:54	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/18/21 22:54	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/18/21 22:54	1
2-Butanone	10	U	10	1.2	ug/L			09/18/21 22:54	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/18/21 22:54	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/18/21 22:54	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/18/21 22:54	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/18/21 22:54	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/18/21 22:54	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/18/21 22:54	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/18/21 22:54	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/18/21 22:54	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/18/21 22:54	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/18/21 22:54	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/18/21 22:54	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/18/21 22:54	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/18/21 22:54	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/18/21 22:54	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/18/21 22:54	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/18/21 22:54	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/18/21 22:54	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/18/21 22:54	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/18/21 22:54	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/18/21 22:54	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/18/21 22:54	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/18/21 22:54	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/18/21 22:54	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/18/21 22:54	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/18/21 22:54	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/18/21 22:54	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/18/21 22:54	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/18/21 22:54	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/18/21 22:54	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/18/21 22:54	1
2-Hexanone	10	U	10	1.1	ug/L			09/18/21 22:54	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/18/21 22:54	1

Client Sample ID: MSA-SW49A-091421

Date Collected: 09/14/21 08:47
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-33

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			09/18/21 22:54	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/18/21 22:54	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/18/21 22:54	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/18/21 22:54	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/18/21 22:54	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/18/21 22:54	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/18/21 22:54	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/18/21 22:54	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/18/21 22:54	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/18/21 22:54	1
Styrene	1.0	U	1.0	0.45	ug/L			09/18/21 22:54	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/18/21 22:54	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			09/18/21 22:54	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/18/21 22:54	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/18/21 22:54	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/18/21 22:54	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/18/21 22:54	1
Toluene	1.0	U	1.0	0.44	ug/L			09/18/21 22:54	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/18/21 22:54	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/18/21 22:54	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/18/21 22:54	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/18/21 22:54	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/18/21 22:54	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/18/21 22:54	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/18/21 22:54	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/18/21 22:54	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/18/21 22:54	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/18/21 22:54	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/18/21 22:54	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/18/21 22:54	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/18/21 22:54	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/18/21 22:54	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*		*09/18/21 22:54*	*1*
Tentatively Identified Compound	*None*		*ug/L*					*09/18/21 22:54*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*56 - 136*		*09/18/21 22:54*	*1*
Dibromofluoromethane (Surr)	*98*		*73 - 120*		*09/18/21 22:54*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*62 - 137*		*09/18/21 22:54*	*1*
Toluene-d8 (Surr)	*98*		*78 - 122*		*09/18/21 22:54*	*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: 240-156133-1
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: 240-156133-1
SDG: Frog Mortar Creek

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

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	DCA	TOL
Lab Sample ID	Client Sample ID	(56-136)	(73-120)	(62-137)	(78-122)
240-156016-E-8 MS	Matrix Spike	103	95	87	99
240-156016-E-8 MSD	Matrix Spike Duplicate	104	97	88	100
240-156069-B-1 MS	Matrix Spike	103	98	97	94
240-156069-B-1 MSD	Matrix Spike Duplicate	101	90	91	95
240-156133-1	MSA-SW37A-091421	99	93	95	94
240-156133-2	MSA-SW37B-091421	98	90	93	93
240-156133-3	MSA-SW37C-091421	99	95	95	94
240-156133-4	MSA-SW37D-091421	105	99	101	100
240-156133-5	MSA-SW38A-091421	100	91	96	95
240-156133-6	MSA-SW38B-091421	99	91	94	95
240-156133-7	MSA-SW38C-091421	100	94	95	93
240-156133-8	MSA-SW38D-091421	104	93	96	96
240-156133-9	MSA-SW40A-091421	101	99	98	92
240-156133-10	MSA-SW40B-091421	100	92	94	93
240-156133-11	MSA-SW40C-091421	102	95	96	95
240-156133-12	MSA-SW40D-091421	105	105	100	95
240-156133-13	MSA-SW41A-091421	100	97	95	92
240-156133-14	MSA-SW41B-091421	102	103	99	93
240-156133-15	MSA-SW41C-091421	105	108	99	94
240-156133-16	MSA-SW41D-091421	103	95	95	94
240-156133-17	MSA-SW42A-091421	99	92	94	92
240-156133-18	MSA-SW42B-091421	103	109	100	90
240-156133-19	MSA-SW42C-091421	102	101	98	93
240-156133-20	MSA-SW42D-091421	105	110	102	92
240-156133-21	MSA-SW43A-091421	99	97	97	94
240-156133-22	MSA-SW43B-091421	104	109	101	91
240-156133-23	MSA-SW43C-091421	102	102	98	91
240-156133-24	MSA-SW43D-091421	103	106	100	92
240-156133-25	MSA-SW44A-091421	103	105	99	93
240-156133-26	MSA-SW44B-091421	103	108	103	93
240-156133-27	MSA-SW44C-091421	101	102	101	92
240-156133-28	MSA-SW44D-091421	97	94	96	93
240-156133-29	TB-091421	99	98	98	94
240-156133-30	MSA-SW46A-091421	92	97	93	97
240-156133-31	MSA-SW47A-091421	93	99	96	98
240-156133-32	MSA-SW48A-091421	93	100	94	98
240-156133-33	MSA-SW49A-091421	93	98	94	98
240-156136-B-3 MS	Matrix Spike	103	101	96	95
240-156136-B-3 MSD	Matrix Spike Duplicate	104	94	93	97
240-156590-B-3 MS	Matrix Spike	102	95	94	94
240-156590-B-3 MSD	Matrix Spike Duplicate	102	95	95	95
LCS 240-504263/5	Lab Control Sample	101	95	93	95
LCS 240-504290/6	Lab Control Sample	103	96	89	101
LCS 240-504389/5	Lab Control Sample	101	90	91	95
LCS 240-505049/5	Lab Control Sample	101	92	92	94
MB 240-504263/8	Method Blank	102	99	96	94
MB 240-504290/10	Method Blank	94	96	92	98
MB 240-504389/8	Method Blank	99	91	93	95
MB 240-505049/8	Method Blank	103	101	99	95

Surrogate Summary

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water

Job ID: 240-156133-1
SDG: Frog Mortar Creek

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 240-504263/8
Matrix: Water
Analysis Batch: 504263

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			09/18/21 12:18	1
Benzene	1.0	U	1.0	0.42	ug/L			09/18/21 12:18	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/18/21 12:18	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/18/21 12:18	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/18/21 12:18	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/18/21 12:18	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/18/21 12:18	1
2-Butanone	10	U	10	1.2	ug/L			09/18/21 12:18	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/18/21 12:18	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/18/21 12:18	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/18/21 12:18	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/18/21 12:18	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/18/21 12:18	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/18/21 12:18	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/18/21 12:18	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/18/21 12:18	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/18/21 12:18	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/18/21 12:18	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/18/21 12:18	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/18/21 12:18	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/18/21 12:18	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/18/21 12:18	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/18/21 12:18	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/18/21 12:18	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/18/21 12:18	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/18/21 12:18	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/18/21 12:18	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/18/21 12:18	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/18/21 12:18	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/18/21 12:18	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/18/21 12:18	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/18/21 12:18	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/18/21 12:18	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/18/21 12:18	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/18/21 12:18	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/18/21 12:18	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/18/21 12:18	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/18/21 12:18	1
2-Hexanone	10	U	10	1.1	ug/L			09/18/21 12:18	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/18/21 12:18	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/18/21 12:18	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/18/21 12:18	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/18/21 12:18	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/18/21 12:18	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/18/21 12:18	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/18/21 12:18	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/18/21 12:18	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/18/21 12:18	1

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

Lab Sample ID: MB 240-504263/8
Matrix: Water
Analysis Batch: 504263

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			09/18/21 12:18	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/18/21 12:18	1
Styrene	1.0	U	1.0	0.45	ug/L			09/18/21 12:18	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/18/21 12:18	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			09/18/21 12:18	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/18/21 12:18	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/18/21 12:18	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/18/21 12:18	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/18/21 12:18	1
Toluene	1.0	U	1.0	0.44	ug/L			09/18/21 12:18	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/18/21 12:18	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/18/21 12:18	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/18/21 12:18	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/18/21 12:18	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/18/21 12:18	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/18/21 12:18	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/18/21 12:18	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/18/21 12:18	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/18/21 12:18	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/18/21 12:18	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/18/21 12:18	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/18/21 12:18	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/18/21 12:18	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/18/21 12:18	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*3.97*	*T J*	*ug/L*		*1.53*			*09/18/21 12:18*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*56 - 136*		*09/18/21 12:18*	*1*
Dibromofluoromethane (Surr)	*99*		*73 - 120*		*09/18/21 12:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*62 - 137*		*09/18/21 12:18*	*1*
Toluene-d8 (Surr)	*94*		*78 - 122*		*09/18/21 12:18*	*1*

Lab Sample ID: LCS 240-504263/5
Matrix: Water
Analysis Batch: 504263

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	45.1		ug/L		113	50 - 149
Benzene	20.0	21.7		ug/L		109	77 - 123
Bromobenzene	20.0	21.1		ug/L		105	80 - 122
Bromochloromethane	20.0	21.2		ug/L		106	71 - 121
Bromodichloromethane	20.0	19.5		ug/L		98	69 - 126
Bromoform	20.0	18.4		ug/L		92	57 - 129
Bromomethane	20.0	16.8		ug/L		84	36 - 142
2-Butanone	40.0	45.1		ug/L		113	54 - 156
Carbon disulfide	20.0	20.9		ug/L		104	43 - 140

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

Lab Sample ID: LCS 240-504263/5
Matrix: Water
Analysis Batch: 504263

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	21.3		ug/L		107	55 - 137
Chlorobenzene	20.0	21.3		ug/L		107	80 - 121
Chloroethane	20.0	18.2		ug/L		91	38 - 152
2-Chloroethyl vinyl ether	20.0	14.0		ug/L		70	40 - 157
Chloroform	20.0	21.1		ug/L		105	74 - 122
Chloromethane	20.0	15.1		ug/L		76	47 - 143
2-Chlorotoluene	20.0	21.1		ug/L		105	79 - 124
4-Chlorotoluene	20.0	21.4		ug/L		107	80 - 125
cis-1,2-Dichloroethene	20.0	21.0		ug/L		105	77 - 123
cis-1,3-Dichloropropene	20.0	19.7		ug/L		99	64 - 130
Dibromochloromethane	20.0	19.6		ug/L		98	70 - 124
1,2-Dibromo-3-Chloropropane	20.0	17.0		ug/L		85	53 - 135
1,2-Dibromoethane	20.0	22.4		ug/L		112	71 - 134
Dibromomethane	20.0	20.6		ug/L		103	67 - 131
1,2-Dichlorobenzene	20.0	20.8		ug/L		104	78 - 120
1,3-Dichlorobenzene	20.0	21.1		ug/L		105	80 - 120
1,4-Dichlorobenzene	20.0	21.4		ug/L		107	80 - 120
Dichlorodifluoromethane	20.0	18.7		ug/L		94	34 - 153
1,1-Dichloroethane	20.0	19.5		ug/L		97	72 - 127
1,2-Dichloroethane	20.0	21.2		ug/L		106	66 - 128
1,1-Dichloroethene	20.0	23.2		ug/L		116	63 - 134
1,2-Dichloropropane	20.0	21.0		ug/L		105	75 - 133
1,3-Dichloropropane	20.0	21.7		ug/L		108	68 - 139
2,2-Dichloropropane	20.0	13.5		ug/L		68	48 - 142
1,1-Dichloropropene	20.0	22.4		ug/L		112	71 - 124
Ethylbenzene	20.0	21.4		ug/L		107	80 - 121
Hexachlorobutadiene	20.0	20.3		ug/L		102	37 - 162
2-Hexanone	40.0	34.5		ug/L		86	43 - 167
Isopropylbenzene	20.0	21.6		ug/L		108	74 - 128
Methylene Chloride	20.0	21.5		ug/L		107	71 - 125
4-Methyl-2-pentanone	40.0	35.3		ug/L		88	46 - 158
Methyl tert-butyl ether	20.0	19.9		ug/L		99	65 - 126
m-Xylene & p-Xylene	20.0	21.2		ug/L		106	80 - 120
Naphthalene	20.0	18.3		ug/L		92	53 - 138
n-Butylbenzene	20.0	20.3		ug/L		101	62 - 139
n-Propylbenzene	20.0	20.7		ug/L		104	76 - 127
o-Xylene	20.0	21.5		ug/L		107	80 - 123
p-Isopropyltoluene	20.0	21.1		ug/L		105	71 - 132
sec-Butylbenzene	20.0	21.0		ug/L		105	69 - 135
Styrene	20.0	23.2		ug/L		116	80 - 135
tert-Butyl alcohol	200	63.5	*-	ug/L		32	33 - 153
tert-Butylbenzene	20.0	20.9		ug/L		104	64 - 134
1,1,1,2-Tetrachloroethane	20.0	21.8		ug/L		109	71 - 124
1,1,2,2-Tetrachloroethane	20.0	20.9		ug/L		104	58 - 157
Tetrachloroethene	20.0	22.4		ug/L		112	76 - 123
Toluene	20.0	21.0		ug/L		105	80 - 123
trans-1,2-Dichloroethene	20.0	21.1		ug/L		105	75 - 124
trans-1,3-Dichloropropene	20.0	19.2		ug/L		96	57 - 129
1,2,3-Trichlorobenzene	20.0	18.6		ug/L		93	45 - 149

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

Lab Sample ID: LCS 240-504263/5
Matrix: Water
Analysis Batch: 504263

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	19.0		ug/L		95	44 - 147		
1,1,1-Trichloroethane			20.0	21.5		ug/L		108	64 - 131		
Trichloroethene			20.0	22.5		ug/L		113	70 - 122		
Trichlorofluoromethane			20.0	21.6		ug/L		108	30 - 170		
1,2,3-Trichloropropane			20.0	21.5		ug/L		107	57 - 150		
1,1,2-Trichloro-1,2,2-trichfluoroethane			20.0	25.4		ug/L		127	51 - 146		
1,2,4-Trimethylbenzene			20.0	20.9		ug/L		105	77 - 129		
Vinyl acetate			20.0	17.8		ug/L		89	44 - 145		
Vinyl chloride			20.0	16.1		ug/L		81	60 - 144		
Xylenes, Total			40.0	42.7		ug/L		107	80 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*56 - 136*
Dibromofluoromethane (Surr)	*95*		*73 - 120*
1,2-Dichloroethane-d4 (Surr)	*93*		*62 - 137*
Toluene-d8 (Surr)	*95*		*78 - 122*

Lab Sample ID: MB 240-504290/10
Matrix: Water
Analysis Batch: 504290

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			09/18/21 14:24	1
Benzene	1.0	U	1.0	0.42	ug/L			09/18/21 14:24	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/18/21 14:24	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/18/21 14:24	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/18/21 14:24	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/18/21 14:24	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/18/21 14:24	1
2-Butanone	10	U	10	1.2	ug/L			09/18/21 14:24	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/18/21 14:24	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/18/21 14:24	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/18/21 14:24	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/18/21 14:24	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/18/21 14:24	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/18/21 14:24	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/18/21 14:24	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/18/21 14:24	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/18/21 14:24	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/18/21 14:24	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/18/21 14:24	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/18/21 14:24	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/18/21 14:24	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/18/21 14:24	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/18/21 14:24	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/18/21 14:24	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/18/21 14:24	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/18/21 14:24	1

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

Lab Sample ID: MB 240-504290/10
Matrix: Water
Analysis Batch: 504290

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			09/18/21 14:24	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/18/21 14:24	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/18/21 14:24	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/18/21 14:24	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/18/21 14:24	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/18/21 14:24	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/18/21 14:24	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/18/21 14:24	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/18/21 14:24	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/18/21 14:24	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/18/21 14:24	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/18/21 14:24	1
2-Hexanone	10	U	10	1.1	ug/L			09/18/21 14:24	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/18/21 14:24	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/18/21 14:24	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/18/21 14:24	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/18/21 14:24	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/18/21 14:24	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/18/21 14:24	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/18/21 14:24	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/18/21 14:24	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/18/21 14:24	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/18/21 14:24	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/18/21 14:24	1
Styrene	1.0	U	1.0	0.45	ug/L			09/18/21 14:24	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/18/21 14:24	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			09/18/21 14:24	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/18/21 14:24	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/18/21 14:24	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/18/21 14:24	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/18/21 14:24	1
Toluene	1.0	U	1.0	0.44	ug/L			09/18/21 14:24	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/18/21 14:24	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/18/21 14:24	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/18/21 14:24	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/18/21 14:24	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/18/21 14:24	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/18/21 14:24	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/18/21 14:24	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/18/21 14:24	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/18/21 14:24	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/18/21 14:24	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/18/21 14:24	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/18/21 14:24	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/18/21 14:24	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/18/21 14:24	1

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

Lab Sample ID: MB 240-504290/10
Matrix: Water
Analysis Batch: 504290

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	5.03	T J	ug/L		1.88			09/18/21 14:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		56 - 136		09/18/21 14:24	1
Dibromofluoromethane (Surr)	96		73 - 120		09/18/21 14:24	1
1,2-Dichloroethane-d4 (Surr)	92		62 - 137		09/18/21 14:24	1
Toluene-d8 (Surr)	98		78 - 122		09/18/21 14:24	1

Lab Sample ID: LCS 240-504290/6
Matrix: Water
Analysis Batch: 504290

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	31.6		ug/L		79	50 - 149
Benzene	20.0	18.5		ug/L		93	77 - 123
Bromobenzene	20.0	19.3		ug/L		97	80 - 122
Bromochloromethane	20.0	15.9		ug/L		80	71 - 121
Bromodichloromethane	20.0	16.5		ug/L		82	69 - 126
Bromoform	20.0	17.5		ug/L		88	57 - 129
Bromomethane	20.0	20.3		ug/L		102	36 - 142
2-Butanone	40.0	35.6		ug/L		89	54 - 156
Carbon disulfide	20.0	16.1		ug/L		80	43 - 140
Carbon tetrachloride	20.0	18.7		ug/L		94	55 - 137
Chlorobenzene	20.0	19.7		ug/L		98	80 - 121
Chloroethane	20.0	20.6		ug/L		103	38 - 152
2-Chloroethyl vinyl ether	20.0	15.6		ug/L		78	40 - 157
Chloroform	20.0	18.3		ug/L		92	74 - 122
Chloromethane	20.0	15.5		ug/L		78	47 - 143
2-Chlorotoluene	20.0	18.7		ug/L		94	79 - 124
4-Chlorotoluene	20.0	18.4		ug/L		92	80 - 125
cis-1,2-Dichloroethene	20.0	17.8		ug/L		89	77 - 123
cis-1,3-Dichloropropene	20.0	15.0		ug/L		75	64 - 130
Dibromochloromethane	20.0	18.1		ug/L		91	70 - 124
1,2-Dibromo-3-Chloropropane	20.0	14.5		ug/L		72	53 - 135
1,2-Dibromoethane	20.0	19.0		ug/L		95	71 - 134
Dibromomethane	20.0	18.5		ug/L		93	67 - 131
1,2-Dichlorobenzene	20.0	19.0		ug/L		95	78 - 120
1,3-Dichlorobenzene	20.0	19.0		ug/L		95	80 - 120
1,4-Dichlorobenzene	20.0	19.0		ug/L		95	80 - 120
Dichlorodifluoromethane	20.0	21.5		ug/L		107	34 - 153
1,1-Dichloroethane	20.0	17.2		ug/L		86	72 - 127
1,2-Dichloroethane	20.0	16.7		ug/L		83	66 - 128
1,1-Dichloroethene	20.0	17.9		ug/L		90	63 - 134
1,2-Dichloropropane	20.0	17.5		ug/L		87	75 - 133
1,3-Dichloropropane	20.0	19.7		ug/L		98	68 - 139
2,2-Dichloropropane	20.0	16.3		ug/L		81	48 - 142
1,1-Dichloropropene	20.0	18.1		ug/L		91	71 - 124
Ethylbenzene	20.0	19.5		ug/L		97	80 - 121

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

Lab Sample ID: LCS 240-504290/6
Matrix: Water
Analysis Batch: 504290

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	16.4		ug/L		82	37 - 162
2-Hexanone	40.0	31.4		ug/L		79	43 - 167
Isopropylbenzene	20.0	19.4		ug/L		97	74 - 128
Methylene Chloride	20.0	16.7		ug/L		83	71 - 125
4-Methyl-2-pentanone	40.0	29.1		ug/L		73	46 - 158
Methyl tert-butyl ether	20.0	15.9		ug/L		79	65 - 126
m-Xylene & p-Xylene	20.0	19.6		ug/L		98	80 - 120
Naphthalene	20.0	15.1		ug/L		76	53 - 138
n-Butylbenzene	20.0	17.0		ug/L		85	62 - 139
n-Propylbenzene	20.0	19.0		ug/L		95	76 - 127
o-Xylene	20.0	19.1		ug/L		95	80 - 123
p-Isopropyltoluene	20.0	18.2		ug/L		91	71 - 132
sec-Butylbenzene	20.0	18.7		ug/L		94	69 - 135
Styrene	20.0	18.7		ug/L		94	80 - 135
tert-Butyl alcohol	200	130		ug/L		65	33 - 153
tert-Butylbenzene	20.0	18.3		ug/L		92	64 - 134
1,1,1,2-Tetrachloroethane	20.0	18.4		ug/L		92	71 - 124
1,1,2,2-Tetrachloroethane	20.0	18.7		ug/L		94	58 - 157
Tetrachloroethene	20.0	20.9		ug/L		104	76 - 123
Toluene	20.0	19.7		ug/L		98	80 - 123
trans-1,2-Dichloroethene	20.0	17.1		ug/L		86	75 - 124
trans-1,3-Dichloropropene	20.0	15.7		ug/L		79	57 - 129
1,2,3-Trichlorobenzene	20.0	16.6		ug/L		83	45 - 149
1,2,4-Trichlorobenzene	20.0	15.7		ug/L		79	44 - 147
1,1,1-Trichloroethane	20.0	18.1		ug/L		90	64 - 131
Trichloroethene	20.0	18.7		ug/L		93	70 - 122
Trichlorofluoromethane	20.0	22.7		ug/L		114	30 - 170
1,2,3-Trichloropropane	20.0	18.8		ug/L		94	57 - 150
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	21.8		ug/L		109	51 - 146
1,2,4-Trimethylbenzene	20.0	18.8		ug/L		94	77 - 129
Vinyl acetate	20.0	10.5		ug/L		53	44 - 145
Vinyl chloride	20.0	17.3		ug/L		87	60 - 144
Xylenes, Total	40.0	38.7		ug/L		97	80 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*56 - 136*
Dibromofluoromethane (Surr)	*96*		*73 - 120*
1,2-Dichloroethane-d4 (Surr)	*89*		*62 - 137*
Toluene-d8 (Surr)	*101*		*78 - 122*

Lab Sample ID: MB 240-504389/8
Matrix: Water
Analysis Batch: 504389

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			09/20/21 12:26	1
Benzene	1.0	U	1.0	0.42	ug/L			09/20/21 12:26	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/20/21 12:26	1

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

Lab Sample ID: MB 240-504389/8
Matrix: Water
Analysis Batch: 504389

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			09/20/21 12:26	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/20/21 12:26	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/20/21 12:26	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/20/21 12:26	1
2-Butanone	10	U	10	1.2	ug/L			09/20/21 12:26	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/20/21 12:26	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/20/21 12:26	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/20/21 12:26	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/20/21 12:26	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/20/21 12:26	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/20/21 12:26	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/20/21 12:26	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/20/21 12:26	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/20/21 12:26	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/20/21 12:26	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/20/21 12:26	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/20/21 12:26	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/20/21 12:26	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/20/21 12:26	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/20/21 12:26	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/20/21 12:26	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/20/21 12:26	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/20/21 12:26	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/20/21 12:26	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/20/21 12:26	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/20/21 12:26	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/20/21 12:26	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/20/21 12:26	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/20/21 12:26	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/20/21 12:26	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/20/21 12:26	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/20/21 12:26	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/20/21 12:26	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/20/21 12:26	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/20/21 12:26	1
2-Hexanone	10	U	10	1.1	ug/L			09/20/21 12:26	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/20/21 12:26	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/20/21 12:26	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/20/21 12:26	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/20/21 12:26	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/20/21 12:26	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/20/21 12:26	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/20/21 12:26	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/20/21 12:26	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/20/21 12:26	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/20/21 12:26	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/20/21 12:26	1
Styrene	1.0	U	1.0	0.45	ug/L			09/20/21 12:26	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/20/21 12:26	1

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

Lab Sample ID: MB 240-504389/8
Matrix: Water
Analysis Batch: 504389

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			09/20/21 12:26	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/20/21 12:26	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/20/21 12:26	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/20/21 12:26	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/20/21 12:26	1
Toluene	1.0	U	1.0	0.44	ug/L			09/20/21 12:26	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/20/21 12:26	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/20/21 12:26	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/20/21 12:26	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/20/21 12:26	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/20/21 12:26	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/20/21 12:26	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/20/21 12:26	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/20/21 12:26	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/20/21 12:26	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/20/21 12:26	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/20/21 12:26	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/20/21 12:26	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/20/21 12:26	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/20/21 12:26	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*2.95*	*T J*	*ug/L*		*1.53*			*09/20/21 12:26*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*56 - 136*		*09/20/21 12:26*	*1*
Dibromofluoromethane (Surr)	*91*		*73 - 120*		*09/20/21 12:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*62 - 137*		*09/20/21 12:26*	*1*
Toluene-d8 (Surr)	*95*		*78 - 122*		*09/20/21 12:26*	*1*

Lab Sample ID: LCS 240-504389/5
Matrix: Water
Analysis Batch: 504389

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	47.4		ug/L		119	50 - 149
Benzene	20.0	21.6		ug/L		108	77 - 123
Bromobenzene	20.0	21.2		ug/L		106	80 - 122
Bromochloromethane	20.0	20.0		ug/L		100	71 - 121
Bromodichloromethane	20.0	19.2		ug/L		96	69 - 126
Bromoform	20.0	18.7		ug/L		93	57 - 129
Bromomethane	20.0	16.7		ug/L		83	36 - 142
2-Butanone	40.0	47.8		ug/L		120	54 - 156
Carbon disulfide	20.0	20.4		ug/L		102	43 - 140
Carbon tetrachloride	20.0	20.7		ug/L		103	55 - 137
Chlorobenzene	20.0	21.5		ug/L		108	80 - 121
Chloroethane	20.0	18.0		ug/L		90	38 - 152
2-Chloroethyl vinyl ether	20.0	8.32	J	ug/L		42	40 - 157

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

Lab Sample ID: LCS 240-504389/5
Matrix: Water
Analysis Batch: 504389

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	20.0	20.3		ug/L		102	74 - 122
Chloromethane	20.0	15.1		ug/L		75	47 - 143
2-Chlorotoluene	20.0	20.8		ug/L		104	79 - 124
4-Chlorotoluene	20.0	21.4		ug/L		107	80 - 125
cis-1,2-Dichloroethene	20.0	20.0		ug/L		100	77 - 123
cis-1,3-Dichloropropene	20.0	20.0		ug/L		100	64 - 130
Dibromochloromethane	20.0	20.1		ug/L		100	70 - 124
1,2-Dibromo-3-Chloropropane	20.0	17.6		ug/L		88	53 - 135
1,2-Dibromoethane	20.0	22.7		ug/L		114	71 - 134
Dibromomethane	20.0	19.8		ug/L		99	67 - 131
1,2-Dichlorobenzene	20.0	20.7		ug/L		103	78 - 120
1,3-Dichlorobenzene	20.0	21.1		ug/L		106	80 - 120
1,4-Dichlorobenzene	20.0	21.1		ug/L		106	80 - 120
Dichlorodifluoromethane	20.0	18.1		ug/L		90	34 - 153
1,1-Dichloroethane	20.0	18.2		ug/L		91	72 - 127
1,2-Dichloroethane	20.0	20.5		ug/L		103	66 - 128
1,1-Dichloroethene	20.0	21.6		ug/L		108	63 - 134
1,2-Dichloropropane	20.0	21.2		ug/L		106	75 - 133
1,3-Dichloropropane	20.0	22.1		ug/L		111	68 - 139
2,2-Dichloropropane	20.0	11.9		ug/L		60	48 - 142
1,1-Dichloropropene	20.0	22.3		ug/L		111	71 - 124
Ethylbenzene	20.0	21.1		ug/L		106	80 - 121
Hexachlorobutadiene	20.0	20.3		ug/L		101	37 - 162
2-Hexanone	40.0	40.6		ug/L		102	43 - 167
Isopropylbenzene	20.0	21.3		ug/L		106	74 - 128
Methylene Chloride	20.0	20.6		ug/L		103	71 - 125
4-Methyl-2-pentanone	40.0	40.0		ug/L		100	46 - 158
Methyl tert-butyl ether	20.0	20.0		ug/L		100	65 - 126
m-Xylene & p-Xylene	20.0	21.0		ug/L		105	80 - 120
Naphthalene	20.0	18.6		ug/L		93	53 - 138
n-Butylbenzene	20.0	20.2		ug/L		101	62 - 139
n-Propylbenzene	20.0	20.9		ug/L		104	76 - 127
o-Xylene	20.0	21.2		ug/L		106	80 - 123
p-Isopropyltoluene	20.0	21.1		ug/L		106	71 - 132
sec-Butylbenzene	20.0	20.9		ug/L		104	69 - 135
Styrene	20.0	22.9		ug/L		115	80 - 135
tert-Butyl alcohol	200	50.2	*-	ug/L		25	33 - 153
tert-Butylbenzene	20.0	20.9		ug/L		104	64 - 134
1,1,1,2-Tetrachloroethane	20.0	22.0		ug/L		110	71 - 124
1,1,2,2-Tetrachloroethane	20.0	21.8		ug/L		109	58 - 157
Tetrachloroethene	20.0	22.5		ug/L		112	76 - 123
Toluene	20.0	21.0		ug/L		105	80 - 123
trans-1,2-Dichloroethene	20.0	20.5		ug/L		103	75 - 124
trans-1,3-Dichloropropene	20.0	19.7		ug/L		99	57 - 129
1,2,3-Trichlorobenzene	20.0	18.7		ug/L		94	45 - 149
1,2,4-Trichlorobenzene	20.0	18.8		ug/L		94	44 - 147
1,1,1-Trichloroethane	20.0	20.6		ug/L		103	64 - 131
Trichloroethene	20.0	22.3		ug/L		112	70 - 122
Trichlorofluoromethane	20.0	21.1		ug/L		105	30 - 170

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

Lab Sample ID: LCS 240-504389/5
Matrix: Water
Analysis Batch: 504389

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	22.3		ug/L		112	57 - 150		
1,1,2-Trichloro-1,2,2-trichfluoroethane			20.0	23.7		ug/L		119	51 - 146		
1,2,4-Trimethylbenzene			20.0	20.7		ug/L		104	77 - 129		
Vinyl acetate			20.0	23.6		ug/L		118	44 - 145		
Vinyl chloride			20.0	16.0		ug/L		80	60 - 144		
Xylenes, Total			40.0	42.2		ug/L		106	80 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*56 - 136*
Dibromofluoromethane (Surr)	*90*		*73 - 120*
1,2-Dichloroethane-d4 (Surr)	*91*		*62 - 137*
Toluene-d8 (Surr)	*95*		*78 - 122*

Lab Sample ID: MB 240-505049/8
Matrix: Water
Analysis Batch: 505049

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			09/23/21 13:18	1
Benzene	1.0	U	1.0	0.42	ug/L			09/23/21 13:18	1
Bromobenzene	1.0	U	1.0	0.50	ug/L			09/23/21 13:18	1
Bromochloromethane	1.0	U	1.0	0.54	ug/L			09/23/21 13:18	1
Bromodichloromethane	1.0	U	1.0	0.17	ug/L			09/23/21 13:18	1
Bromoform	1.0	U	1.0	0.76	ug/L			09/23/21 13:18	1
Bromomethane	1.0	U	1.0	0.42	ug/L			09/23/21 13:18	1
2-Butanone	10	U	10	1.2	ug/L			09/23/21 13:18	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			09/23/21 13:18	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			09/23/21 13:18	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			09/23/21 13:18	1
Chloroethane	1.0	U	1.0	0.83	ug/L			09/23/21 13:18	1
2-Chloroethyl vinyl ether	10	U	10	1.5	ug/L			09/23/21 13:18	1
Chloroform	1.0	U	1.0	0.47	ug/L			09/23/21 13:18	1
Chloromethane	1.0	U	1.0	0.63	ug/L			09/23/21 13:18	1
2-Chlorotoluene	1.0	U	1.0	0.57	ug/L			09/23/21 13:18	1
4-Chlorotoluene	1.0	U	1.0	0.43	ug/L			09/23/21 13:18	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			09/23/21 13:18	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			09/23/21 13:18	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			09/23/21 13:18	1
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.91	ug/L			09/23/21 13:18	1
1,2-Dibromoethane	1.0	U	1.0	0.41	ug/L			09/23/21 13:18	1
Dibromomethane	1.0	U	1.0	0.40	ug/L			09/23/21 13:18	1
1,2-Dichlorobenzene	1.0	U	1.0	0.48	ug/L			09/23/21 13:18	1
1,3-Dichlorobenzene	1.0	U	1.0	0.45	ug/L			09/23/21 13:18	1
1,4-Dichlorobenzene	1.0	U	1.0	0.41	ug/L			09/23/21 13:18	1
Dichlorodifluoromethane	1.0	U	1.0	0.35	ug/L			09/23/21 13:18	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			09/23/21 13:18	1
1,2-Dichloroethane	1.0	U	1.0	0.21	ug/L			09/23/21 13:18	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			09/23/21 13:18	1

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

Lab Sample ID: MB 240-505049/8
Matrix: Water
Analysis Batch: 505049

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			09/23/21 13:18	1
1,3-Dichloropropane	1.0	U	1.0	0.21	ug/L			09/23/21 13:18	1
2,2-Dichloropropane	1.0	U	1.0	0.78	ug/L			09/23/21 13:18	1
1,1-Dichloropropene	1.0	U	1.0	0.36	ug/L			09/23/21 13:18	1
Diisopropyl ether	10	U	10	0.17	ug/L			09/23/21 13:18	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			09/23/21 13:18	1
Ethyl-t-butyl ether (ETBE)	5.0	U	5.0	0.40	ug/L			09/23/21 13:18	1
Hexachlorobutadiene	1.0	U	1.0	0.83	ug/L			09/23/21 13:18	1
2-Hexanone	10	U	10	1.1	ug/L			09/23/21 13:18	1
Isopropylbenzene	1.0	U	1.0	0.49	ug/L			09/23/21 13:18	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			09/23/21 13:18	1
4-Methyl-2-pentanone	10	U	10	0.99	ug/L			09/23/21 13:18	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			09/23/21 13:18	1
m-Xylene & p-Xylene	2.0	U	2.0	0.42	ug/L			09/23/21 13:18	1
Naphthalene	1.0	U	1.0	0.80	ug/L			09/23/21 13:18	1
n-Butylbenzene	1.0	U	1.0	0.60	ug/L			09/23/21 13:18	1
n-Propylbenzene	1.0	U	1.0	0.57	ug/L			09/23/21 13:18	1
o-Xylene	1.0	U	1.0	0.42	ug/L			09/23/21 13:18	1
p-Isopropyltoluene	1.0	U	1.0	0.56	ug/L			09/23/21 13:18	1
sec-Butylbenzene	1.0	U	1.0	0.53	ug/L			09/23/21 13:18	1
Styrene	1.0	U	1.0	0.45	ug/L			09/23/21 13:18	1
Tert-amyl-methyl ether (TAME)	5.0	U	5.0	0.43	ug/L			09/23/21 13:18	1
tert-Butyl alcohol	40	U	40	7.2	ug/L			09/23/21 13:18	1
tert-Butylbenzene	1.0	U	1.0	0.48	ug/L			09/23/21 13:18	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.43	ug/L			09/23/21 13:18	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			09/23/21 13:18	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			09/23/21 13:18	1
Toluene	1.0	U	1.0	0.44	ug/L			09/23/21 13:18	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			09/23/21 13:18	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			09/23/21 13:18	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.54	ug/L			09/23/21 13:18	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.77	ug/L			09/23/21 13:18	1
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			09/23/21 13:18	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			09/23/21 13:18	1
Trichlorofluoromethane	1.0	U	1.0	0.45	ug/L			09/23/21 13:18	1
1,2,3-Trichloropropane	1.0	U	1.0	0.52	ug/L			09/23/21 13:18	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	1.0	U	1.0	0.41	ug/L			09/23/21 13:18	1
1,2,3-Trimethylbenzene	5.0	U	5.0	0.31	ug/L			09/23/21 13:18	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.52	ug/L			09/23/21 13:18	1
Vinyl acetate	2.0	U	2.0	0.61	ug/L			09/23/21 13:18	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			09/23/21 13:18	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			09/23/21 13:18	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*4.17*	*T J*	*ug/L*		*1.54*			*09/23/21 13:18*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*56 - 136*		*09/23/21 13:18*	*1*

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

Lab Sample ID: MB 240-505049/8
Matrix: Water
Analysis Batch: 505049

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	*101*		*73 - 120*		*09/23/21 13:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*62 - 137*		*09/23/21 13:18*	*1*
Toluene-d8 (Surr)	*95*		*78 - 122*		*09/23/21 13:18*	*1*

Lab Sample ID: LCS 240-505049/5
Matrix: Water
Analysis Batch: 505049

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	43.5		ug/L		109	50 - 149
Benzene	20.0	20.4		ug/L		102	77 - 123
Bromobenzene	20.0	19.3		ug/L		97	80 - 122
Bromochloromethane	20.0	19.2		ug/L		96	71 - 121
Bromodichloromethane	20.0	18.1		ug/L		90	69 - 126
Bromoform	20.0	17.0		ug/L		85	57 - 129
Bromomethane	20.0	17.9		ug/L		90	36 - 142
2-Butanone	40.0	40.8		ug/L		102	54 - 156
Carbon disulfide	20.0	19.3		ug/L		97	43 - 140
Carbon tetrachloride	20.0	20.1		ug/L		101	55 - 137
Chlorobenzene	20.0	20.1		ug/L		101	80 - 121
Chloroethane	20.0	19.0		ug/L		95	38 - 152
2-Chloroethyl vinyl ether	20.0	13.3		ug/L		66	40 - 157
Chloroform	20.0	19.3		ug/L		97	74 - 122
Chloromethane	20.0	16.1		ug/L		80	47 - 143
2-Chlorotoluene	20.0	19.3		ug/L		97	79 - 124
4-Chlorotoluene	20.0	19.3		ug/L		97	80 - 125
cis-1,2-Dichloroethene	20.0	19.2		ug/L		96	77 - 123
cis-1,3-Dichloropropene	20.0	18.4		ug/L		92	64 - 130
Dibromochloromethane	20.0	18.2		ug/L		91	70 - 124
1,2-Dibromo-3-Chloropropane	20.0	14.7		ug/L		74	53 - 135
1,2-Dibromoethane	20.0	20.9		ug/L		104	71 - 134
Dibromomethane	20.0	19.3		ug/L		97	67 - 131
1,2-Dichlorobenzene	20.0	18.8		ug/L		94	78 - 120
1,3-Dichlorobenzene	20.0	19.3		ug/L		97	80 - 120
1,4-Dichlorobenzene	20.0	19.8		ug/L		99	80 - 120
Dichlorodifluoromethane	20.0	17.8		ug/L		89	34 - 153
1,1-Dichloroethane	20.0	17.7		ug/L		88	72 - 127
1,2-Dichloroethane	20.0	19.4		ug/L		97	66 - 128
1,1-Dichloroethene	20.0	20.8		ug/L		104	63 - 134
1,2-Dichloropropane	20.0	19.8		ug/L		99	75 - 133
1,3-Dichloropropane	20.0	20.1		ug/L		101	68 - 139
2,2-Dichloropropane	20.0	12.1		ug/L		60	48 - 142
1,1-Dichloropropene	20.0	21.0		ug/L		105	71 - 124
Ethylbenzene	20.0	20.0		ug/L		100	80 - 121
Hexachlorobutadiene	20.0	18.9		ug/L		95	37 - 162
2-Hexanone	40.0	35.2		ug/L		88	43 - 167
Isopropylbenzene	20.0	20.0		ug/L		100	74 - 128
Methylene Chloride	20.0	19.6		ug/L		98	71 - 125

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

Lab Sample ID: LCS 240-505049/5
Matrix: Water
Analysis Batch: 505049

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methyl-2-pentanone	40.0	35.1		ug/L		88	46 - 158
Methyl tert-butyl ether	20.0	18.6		ug/L		93	65 - 126
m-Xylene & p-Xylene	20.0	19.8		ug/L		99	80 - 120
Naphthalene	20.0	15.9		ug/L		79	53 - 138
n-Butylbenzene	20.0	18.6		ug/L		93	62 - 139
n-Propylbenzene	20.0	19.5		ug/L		97	76 - 127
o-Xylene	20.0	19.9		ug/L		100	80 - 123
p-Isopropyltoluene	20.0	19.6		ug/L		98	71 - 132
sec-Butylbenzene	20.0	19.3		ug/L		96	69 - 135
Styrene	20.0	21.2		ug/L		106	80 - 135
tert-Butyl alcohol	200	45.3	*-	ug/L		23	33 - 153
tert-Butylbenzene	20.0	19.3		ug/L		96	64 - 134
1,1,1,2-Tetrachloroethane	20.0	20.5		ug/L		102	71 - 124
1,1,2,2-Tetrachloroethane	20.0	19.1		ug/L		95	58 - 157
Tetrachloroethene	20.0	21.0		ug/L		105	76 - 123
Toluene	20.0	19.6		ug/L		98	80 - 123
trans-1,2-Dichloroethene	20.0	19.8		ug/L		99	75 - 124
trans-1,3-Dichloropropene	20.0	17.8		ug/L		89	57 - 129
1,2,3-Trichlorobenzene	20.0	16.7		ug/L		84	45 - 149
1,2,4-Trichlorobenzene	20.0	16.9		ug/L		85	44 - 147
1,1,1-Trichloroethane	20.0	19.7		ug/L		99	64 - 131
Trichloroethene	20.0	21.4		ug/L		107	70 - 122
Trichlorofluoromethane	20.0	22.9		ug/L		115	30 - 170
1,2,3-Trichloropropane	20.0	20.5		ug/L		103	57 - 150
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	23.4		ug/L		117	51 - 146
1,2,4-Trimethylbenzene	20.0	19.0		ug/L		95	77 - 129
Vinyl acetate	20.0	19.8		ug/L		99	44 - 145
Vinyl chloride	20.0	17.4		ug/L		87	60 - 144
Xylenes, Total	40.0	39.7		ug/L		99	80 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*56 - 136*
Dibromofluoromethane (Surr)	*92*		*73 - 120*
1,2-Dichloroethane-d4 (Surr)	*92*		*62 - 137*
Toluene-d8 (Surr)	*94*		*78 - 122*

GC/MS VOA

Analysis Batch: 504263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-156133-1	MSA-SW37A-091421	Total/NA	Water	8260C	
240-156133-2	MSA-SW37B-091421	Total/NA	Water	8260C	
240-156133-3	MSA-SW37C-091421	Total/NA	Water	8260C	
240-156133-4	MSA-SW37D-091421	Total/NA	Water	8260C	
240-156133-5	MSA-SW38A-091421	Total/NA	Water	8260C	
240-156133-6	MSA-SW38B-091421	Total/NA	Water	8260C	
240-156133-7	MSA-SW38C-091421	Total/NA	Water	8260C	
MB 240-504263/8	Method Blank	Total/NA	Water	8260C	
LCS 240-504263/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 504290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-156133-30	MSA-SW46A-091421	Total/NA	Water	8260C	
240-156133-31	MSA-SW47A-091421	Total/NA	Water	8260C	
240-156133-32	MSA-SW48A-091421	Total/NA	Water	8260C	
240-156133-33	MSA-SW49A-091421	Total/NA	Water	8260C	
MB 240-504290/10	Method Blank	Total/NA	Water	8260C	
LCS 240-504290/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 504389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-156133-8	MSA-SW38D-091421	Total/NA	Water	8260C	
240-156133-9	MSA-SW40A-091421	Total/NA	Water	8260C	
240-156133-10	MSA-SW40B-091421	Total/NA	Water	8260C	
240-156133-11	MSA-SW40C-091421	Total/NA	Water	8260C	
240-156133-12	MSA-SW40D-091421	Total/NA	Water	8260C	
240-156133-13	MSA-SW41A-091421	Total/NA	Water	8260C	
240-156133-14	MSA-SW41B-091421	Total/NA	Water	8260C	
240-156133-15	MSA-SW41C-091421	Total/NA	Water	8260C	
240-156133-16	MSA-SW41D-091421	Total/NA	Water	8260C	
MB 240-504389/8	Method Blank	Total/NA	Water	8260C	
LCS 240-504389/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 505049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-156133-17	MSA-SW42A-091421	Total/NA	Water	8260C	
240-156133-18	MSA-SW42B-091421	Total/NA	Water	8260C	
240-156133-19	MSA-SW42C-091421	Total/NA	Water	8260C	
240-156133-20	MSA-SW42D-091421	Total/NA	Water	8260C	
240-156133-21	MSA-SW43A-091421	Total/NA	Water	8260C	
240-156133-22	MSA-SW43B-091421	Total/NA	Water	8260C	
240-156133-23	MSA-SW43C-091421	Total/NA	Water	8260C	
240-156133-24	MSA-SW43D-091421	Total/NA	Water	8260C	
240-156133-25	MSA-SW44A-091421	Total/NA	Water	8260C	
240-156133-26	MSA-SW44B-091421	Total/NA	Water	8260C	
240-156133-27	MSA-SW44C-091421	Total/NA	Water	8260C	
240-156133-28	MSA-SW44D-091421	Total/NA	Water	8260C	
240-156133-29	TB-091421	Total/NA	Water	8260C	
MB 240-505049/8	Method Blank	Total/NA	Water	8260C	
LCS 240-505049/5	Lab Control Sample	Total/NA	Water	8260C	

Client Sample ID: MSA-SW37A-091421
Lab Sample ID: 240-156133-1
Date Collected: 09/14/21 09:50
Matrix: Water
Date Received: 09/15/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	504263	09/18/21 18:04	HMB	TAL CAN

Client Sample ID: MSA-SW37B-091421
Lab Sample ID: 240-156133-2
Date Collected: 09/14/21 09:53
Matrix: Water
Date Received: 09/15/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	504263	09/18/21 18:29	HMB	TAL CAN

Client Sample ID: MSA-SW37C-091421
Lab Sample ID: 240-156133-3
Date Collected: 09/14/21 09:55
Matrix: Water
Date Received: 09/15/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	504263	09/18/21 18:53	HMB	TAL CAN

Client Sample ID: MSA-SW37D-091421
Lab Sample ID: 240-156133-4
Date Collected: 09/14/21 09:58
Matrix: Water
Date Received: 09/15/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	504263	09/18/21 19:18	HMB	TAL CAN

Client Sample ID: MSA-SW38A-091421
Lab Sample ID: 240-156133-5
Date Collected: 09/14/21 09:07
Matrix: Water
Date Received: 09/15/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	504263	09/18/21 19:43	HMB	TAL CAN

Client Sample ID: MSA-SW38B-091421
Lab Sample ID: 240-156133-6
Date Collected: 09/14/21 09:11
Matrix: Water
Date Received: 09/15/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	504263	09/18/21 20:07	HMB	TAL CAN

Client Sample ID: MSA-SW38C-091421
Lab Sample ID: 240-156133-7
Date Collected: 09/14/21 09:13
Matrix: Water
Date Received: 09/15/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	504263	09/18/21 20:32	HMB	TAL CAN

Client Sample ID: MSA-SW38D-091421
Lab Sample ID: 240-156133-8
Date Collected: 09/14/21 09:15
Matrix: Water
Date Received: 09/15/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	504389	09/20/21 15:44	HMB	TAL CAN

Client Sample ID: MSA-SW40A-091421
Lab Sample ID: 240-156133-9
Date Collected: 09/14/21 09:23
Matrix: Water
Date Received: 09/15/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	504389	09/20/21 16:09	HMB	TAL CAN

Client Sample ID: MSA-SW40B-091421
Lab Sample ID: 240-156133-10
Date Collected: 09/14/21 09:27
Matrix: Water
Date Received: 09/15/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	504389	09/20/21 16:34	HMB	TAL CAN

Client Sample ID: MSA-SW40C-091421
Lab Sample ID: 240-156133-11
Date Collected: 09/14/21 09:30
Matrix: Water
Date Received: 09/15/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	504389	09/20/21 16:58	HMB	TAL CAN

Client Sample ID: MSA-SW40D-091421
Lab Sample ID: 240-156133-12
Date Collected: 09/14/21 09:32
Matrix: Water
Date Received: 09/15/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	504389	09/20/21 17:23	HMB	TAL CAN

Client Sample ID: MSA-SW41A-091421
Lab Sample ID: 240-156133-13
Date Collected: 09/14/21 08:52
Matrix: Water
Date Received: 09/15/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	504389	09/20/21 17:48	HMB	TAL CAN

Client Sample ID: MSA-SW41B-091421
Lab Sample ID: 240-156133-14
Date Collected: 09/14/21 08:55
Matrix: Water
Date Received: 09/15/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	504389	09/20/21 18:13	HMB	TAL CAN

Client Sample ID: MSA-SW41C-091421
Lab Sample ID: 240-156133-15
Date Collected: 09/14/21 08:57
Matrix: Water
Date Received: 09/15/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	504389	09/20/21 18:37	HMB	TAL CAN

Client Sample ID: MSA-SW41D-091421
Lab Sample ID: 240-156133-16
Date Collected: 09/14/21 09:00
Matrix: Water
Date Received: 09/15/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	504389	09/20/21 19:02	HMB	TAL CAN

Client Sample ID: MSA-SW42A-091421
Lab Sample ID: 240-156133-17
Date Collected: 09/14/21 09:39
Matrix: Water
Date Received: 09/15/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	505049	09/23/21 14:07	HMB	TAL CAN

Client Sample ID: MSA-SW42B-091421
Lab Sample ID: 240-156133-18
Date Collected: 09/14/21 09:42
Matrix: Water
Date Received: 09/15/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	505049	09/23/21 14:31	HMB	TAL CAN

Client Sample ID: MSA-SW42C-091421
Lab Sample ID: 240-156133-19
Date Collected: 09/14/21 09:44
Matrix: Water
Date Received: 09/15/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	505049	09/23/21 14:55	HMB	TAL CAN

Client Sample ID: MSA-SW42D-091421
Lab Sample ID: 240-156133-20
Date Collected: 09/14/21 09:46
Matrix: Water
Date Received: 09/15/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	505049	09/23/21 15:19	HMB	TAL CAN

Client Sample ID: MSA-SW43A-091421
Lab Sample ID: 240-156133-21
Date Collected: 09/14/21 08:35
Matrix: Water
Date Received: 09/15/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	505049	09/23/21 15:43	HMB	TAL CAN

Client Sample ID: MSA-SW43B-091421
Lab Sample ID: 240-156133-22
Date Collected: 09/14/21 08:38
Matrix: Water
Date Received: 09/15/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	505049	09/23/21 16:08	HMB	TAL CAN

Client Sample ID: MSA-SW43C-091421
Lab Sample ID: 240-156133-23
Date Collected: 09/14/21 08:41
Matrix: Water
Date Received: 09/15/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	505049	09/23/21 16:32	HMB	TAL CAN

Client Sample ID: MSA-SW43D-091421
Lab Sample ID: 240-156133-24
Date Collected: 09/14/21 08:44
Matrix: Water
Date Received: 09/15/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	505049	09/23/21 16:56	HMB	TAL CAN

Client Sample ID: MSA-SW44A-091421
Lab Sample ID: 240-156133-25
Date Collected: 09/14/21 08:20
Matrix: Water
Date Received: 09/15/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	505049	09/23/21 17:21	HMB	TAL CAN

Client Sample ID: MSA-SW44B-091421
Lab Sample ID: 240-156133-26
Date Collected: 09/14/21 08:27
Matrix: Water
Date Received: 09/15/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	505049	09/23/21 17:45	HMB	TAL CAN

Client Sample ID: MSA-SW44C-091421
Lab Sample ID: 240-156133-27
Date Collected: 09/14/21 08:30
Matrix: Water
Date Received: 09/15/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	505049	09/23/21 18:10	HMB	TAL CAN

Client Sample ID: MSA-SW44D-091421
Lab Sample ID: 240-156133-28
Date Collected: 09/14/21 08:32
Matrix: Water
Date Received: 09/15/21 10:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	505049	09/23/21 18:35	HMB	TAL CAN

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water

Job ID: 240-156133-1
SDG: Frog Mortar Creek

Client Sample ID: TB-091421
Date Collected: 09/14/21 00:00
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-29
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	505049	09/23/21 18:59	HMB	TAL CAN

Client Sample ID: MSA-SW46A-091421
Date Collected: 09/14/21 09:57
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-30
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	504290	09/18/21 21:48	TJL1	TAL CAN

Client Sample ID: MSA-SW47A-091421
Date Collected: 09/14/21 09:18
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-31
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	504290	09/18/21 22:10	TJL1	TAL CAN

Client Sample ID: MSA-SW48A-091421
Date Collected: 09/14/21 09:03
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-32
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	504290	09/18/21 22:32	TJL1	TAL CAN

Client Sample ID: MSA-SW49A-091421
Date Collected: 09/14/21 08:47
Date Received: 09/15/21 10:45

Lab Sample ID: 240-156133-33
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	504290	09/18/21 22:54	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: 240-156133-1
SDG: Frog Mortar Creek

Laboratory: Eurofins TestAmerica, Canton

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

Authority	Program	Identification Number	Expiration Date
California	State	2927	02-23-22
Connecticut	State	PH-0590	12-31-21
Florida	NELAP	E87225	06-30-22
Georgia	State	4062	02-23-22
Illinois	NELAP	200004	07-31-22
Iowa	State	421	06-01-23
Kansas	NELAP	E-10336	04-30-22
Kentucky (UST)	State	112225	02-23-22
Kentucky (WW)	State	KY98016	12-31-21
Minnesota	NELAP	OH00048	12-31-21
Minnesota (Petrofund)	State	3506	08-01-23
New Jersey	NELAP	OH001	06-30-22
New York	NELAP	10975	03-31-22
Ohio VAP	State	CL0024	12-21-23
Oregon	NELAP	4062	02-23-22
Pennsylvania	NELAP	68-00340	08-31-22
Texas	NELAP	T104704517-18-10	08-31-22
Virginia	NELAP	11570	09-14-22
Washington	State	C971	01-12-22
West Virginia DEP	State	210	12-31-21

Method Summary

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water

Job ID: 240-156133-1
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: 240-156133-1
SDG: Frog Mortar Creek

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-156133-1	MSA-SW37A-091421	Water	09/14/21 09:50	09/15/21 10:45
240-156133-2	MSA-SW37B-091421	Water	09/14/21 09:53	09/15/21 10:45
240-156133-3	MSA-SW37C-091421	Water	09/14/21 09:55	09/15/21 10:45
240-156133-4	MSA-SW37D-091421	Water	09/14/21 09:58	09/15/21 10:45
240-156133-5	MSA-SW38A-091421	Water	09/14/21 09:07	09/15/21 10:45
240-156133-6	MSA-SW38B-091421	Water	09/14/21 09:11	09/15/21 10:45
240-156133-7	MSA-SW38C-091421	Water	09/14/21 09:13	09/15/21 10:45
240-156133-8	MSA-SW38D-091421	Water	09/14/21 09:15	09/15/21 10:45
240-156133-9	MSA-SW40A-091421	Water	09/14/21 09:23	09/15/21 10:45
240-156133-10	MSA-SW40B-091421	Water	09/14/21 09:27	09/15/21 10:45
240-156133-11	MSA-SW40C-091421	Water	09/14/21 09:30	09/15/21 10:45
240-156133-12	MSA-SW40D-091421	Water	09/14/21 09:32	09/15/21 10:45
240-156133-13	MSA-SW41A-091421	Water	09/14/21 08:52	09/15/21 10:45
240-156133-14	MSA-SW41B-091421	Water	09/14/21 08:55	09/15/21 10:45
240-156133-15	MSA-SW41C-091421	Water	09/14/21 08:57	09/15/21 10:45
240-156133-16	MSA-SW41D-091421	Water	09/14/21 09:00	09/15/21 10:45
240-156133-17	MSA-SW42A-091421	Water	09/14/21 09:39	09/15/21 10:45
240-156133-18	MSA-SW42B-091421	Water	09/14/21 09:42	09/15/21 10:45
240-156133-19	MSA-SW42C-091421	Water	09/14/21 09:44	09/15/21 10:45
240-156133-20	MSA-SW42D-091421	Water	09/14/21 09:46	09/15/21 10:45
240-156133-21	MSA-SW43A-091421	Water	09/14/21 08:35	09/15/21 10:45
240-156133-22	MSA-SW43B-091421	Water	09/14/21 08:38	09/15/21 10:45
240-156133-23	MSA-SW43C-091421	Water	09/14/21 08:41	09/15/21 10:45
240-156133-24	MSA-SW43D-091421	Water	09/14/21 08:44	09/15/21 10:45
240-156133-25	MSA-SW44A-091421	Water	09/14/21 08:20	09/15/21 10:45
240-156133-26	MSA-SW44B-091421	Water	09/14/21 08:27	09/15/21 10:45
240-156133-27	MSA-SW44C-091421	Water	09/14/21 08:30	09/15/21 10:45
240-156133-28	MSA-SW44D-091421	Water	09/14/21 08:32	09/15/21 10:45
240-156133-29	TB-091421	Water	09/14/21 00:00	09/15/21 10:45
240-156133-30	MSA-SW46A-091421	Water	09/14/21 09:57	09/15/21 10:45
240-156133-31	MSA-SW47A-091421	Water	09/14/21 09:18	09/15/21 10:45
240-156133-32	MSA-SW48A-091421	Water	09/14/21 09:03	09/15/21 10:45
240-156133-33	MSA-SW49A-091421	Water	09/14/21 08:47	09/15/21 10:45

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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.: 240-156133-1

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.: 240-156133-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 Analysis Batch Number: 504263

Lab Sample ID: 240-156133-3 Client Sample ID: MSA-SW37C-091421

Date Analyzed: 09/18/21 18:53 Lab File ID: UXM39892.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane		Invalid Compound ID	bosworthh	09/20/21 07:58

Lab Sample ID: 240-156133-4 Client Sample ID: MSA-SW37D-091421

Date Analyzed: 09/18/21 19:18 Lab File ID: UXM39893.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloromethane		Invalid Compound ID	bosworthh	09/20/21 07:58

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 Analysis Batch Number: 505049

Lab Sample ID: 240-156133-26 Client Sample ID: MSA-SW44B-091421

Date Analyzed: 09/23/21 17:45 Lab File ID: UXM40048.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
tert-Butyl alcohol		Invalid Compound ID	bosworthh	09/24/21 07:52

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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.: 240-156133-1

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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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_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
							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
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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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)	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_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_00408	09/19/21	09/12/21	MEOH, Lot na	5 mL	VMACROLSTD_00099	5 mL	Acrolein	250 ug/mL
.VMACROLSTD_00099	10/03/21	09/03/21	MEOH, Lot 0000273166	20 mL	VM568720_00041	0.25 mL	Acrolein	250 ug/mL
..VM568720_00041	07/31/22		restek, Lot A0168111		(Purchased Reagent)		Acrolein	20000 ug/mL
VMAROLISTDW_00409	09/27/21	09/20/21	MEOH, Lot na	5 mL	VMACROLSTD_00099	5 mL	Acrolein	250 ug/mL
.VMACROLSTD_00099	10/03/21	09/03/21	MEOH, Lot 0000273166	20 mL	VM568720_00041	0.25 mL	Acrolein	250 ug/mL
..VM568720_00041	07/31/22		restek, Lot A0168111		(Purchased Reagent)		Acrolein	20000 ug/mL
vmbfb_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
vmDCB_00025	02/28/22	03/18/21	MEOH, Lot 196628	10 mL	VMSTS200_00009	0.25 mL	1,4-Dichlorobutane	50 ug/mL
.VMSTS200_00009	02/28/22		Agilent, Lot CR-0234		(Purchased Reagent)		1,4-Dichlorobutane	2000 ug/mL
vmDCB_00026	02/28/22	03/19/21	MEOH, Lot 196628	10 mL	VMSTS200_00009	0.25 mL	1,4-Dichlorobutane	50 ug/mL
.VMSTS200_00009	02/28/22		Agilent, Lot CR-0234		(Purchased Reagent)		1,4-Dichlorobutane	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
							2-Methylnaphthalene	100 ug/mL
							1,2,3-Trimethylbenzene	50 ug/mL
							2-Nitropropane	100 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diisopropyl ether	50 ug/mL
							Ethyl-t-butyl ether (ETBE)	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl-methyl ether (TAME)	50 ug/mL
.VMFASA9_00026	11/03/21	05/03/21	MEOH, Lot 0000273166	100 mL	VM569727S_00004	2 mL	Cyclohexanone	500 ug/mL
					vm570806S_00006	4 mL	Pentachloroethane	100 ug/mL
					vm570807S_00006	4 mL	2-Methylnaphthalene	100 ug/mL
					VM570808S_00010	2 mL	1,2,3-Trimethylbenzene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	1250 ug/mL
					VM570809S_00009	2 mL	Ethyl acetate	100 ug/mL
							Methyl methacrylate	100 ug/mL
					VM571993S_00008	2 mL	Acetonitrile	500 ug/mL
							Diisopropyl ether	50 ug/mL
							Ethyl-t-butyl ether (ETBE)	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl-methyl ether (TAME)	50 ug/mL
..VM569727S_00004	01/31/22		RESTEK, Lot A0144966		(Purchased Reagent)		Cyclohexanone	25000 ug/mL
..vm570806S_00006	02/29/24		Restek, Lot A0146080		(Purchased Reagent)		Pentachloroethane	2500 ug/mL
..vm570807S_00006	12/31/23		Restek, Lot A0144306		(Purchased Reagent)		2-Methylnaphthalene	2500 ug/mL
..VM570808S_00010	02/28/22		Restek, Lot A0163851		(Purchased Reagent)		1,2,3-Trimethylbenzene	2500 ug/mL
							2-Nitropropane	5000 ug/mL
							Methacrylonitrile	25000 ug/mL
							n-Butanol	62500 ug/mL
..VM570809S_00009	11/30/21		Restek, Lot A0160820		(Purchased Reagent)		Ethyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
..VM571993S_00008	10/31/22		restek, Lot A0165034		(Purchased Reagent)		Acetonitrile	25000 ug/mL
							Diisopropyl ether	2500 ug/mL
							Ethyl-t-butyl ether (ETBE)	2500 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl-methyl ether (TAME)	2500 ug/mL
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_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
							Chloroethane	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
..vm569722S_00008	04/30/23		Restek, Lot A0159768		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
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
VMFASGW_00425	09/22/21	09/15/21	MEOH, Lot NA	5 mL	VMFASG_00110	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_00110	10/15/21	09/15/21	MEOH, Lot 0000273166	100 mL	vm569722S_00009	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_00009	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_00426	09/30/21	09/23/21	MEOH, Lot NA	5 mL	VMFASG_00110	5 mL	Bromomethane	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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
.VMFASG_00110	10/15/21	09/15/21	MEOH, Lot 0000273166	100 mL	vm569722S_00009	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_00009	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
							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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							Total BTEX	250 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Trihalomethanes, Total	200 ug/mL
							Xylenes, Total	100 ug/mL
.VMRFASP_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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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.: 240-156133-1

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
					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
							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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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	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_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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromochloromethane	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							p-Isopropyltoluene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butyl alcohol	25000 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							Total BTEX	12500 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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	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
							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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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	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_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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							Total BTEX	250 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Trihalomethanes, Total	200 ug/mL
							Xylenes, Total	100 ug/mL
.VMRFASP_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.: 240-156133-1

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
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							Total BTEX	250 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Trihalomethanes, Total	200 ug/mL
							Xylenes, Total	100 ug/mL
..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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromochloromethane	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							p-Isopropyltoluene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butyl alcohol	25000 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							Total BTEX	12500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
							Trihalomethanes, Total	10000 ug/mL
							Xylenes, Total	5000 ug/mL
VMFASPW_00414	09/19/21	09/12/21	MEOH, Lot n/a	5 mL	VMRFASP_00077	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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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
							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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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
							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_00077	10/31/21	08/31/21	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_00030	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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
..VM569721S_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_00030	10/31/21		Restek, Lot A0160367		(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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromochloromethane	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							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_00415	09/27/21	09/20/21	MEOH, Lot n/a	5 mL	VMRFASP_00077	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.: 240-156133-1

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
							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

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SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
.VMRFASP_00077	10/31/21	08/31/21	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_00030	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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
..VM569721S_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_00030	10/31/21		Restek, Lot A0160367		(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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromochloromethane	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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 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_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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..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
							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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..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_00406	09/19/21	09/12/21	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
					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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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
..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_00407	09/27/21	09/20/21	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
					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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..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_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_00400	09/22/21	09/15/21	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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
VMRGAS_00401	09/30/21	09/23/21	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
							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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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-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
							trans-1,2-Dichloroethene	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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-1,3-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
							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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromochloromethane	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Propylbenzene	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_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
							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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3,5-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
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL

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SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

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SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							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

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SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromochloromethane	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL

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SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
VMRPRIMW_00451	09/19/21	09/12/21	MEOH, Lot NA	5 mL	VMRPRIM_00052	5 mL	2-Butanone	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone	100 ug/mL
							Acetone	100 ug/mL
							2-Chloroethyl vinyl ether	100 ug/mL
							Vinyl acetate	50 ug/mL
							1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL

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SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-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
							Trihalomethanes, Total	200 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Xylenes, Total	100 ug/mL
.VMRPRIM_00052	10/31/21	08/02/21	MEOH, Lot 0000273166	50 mL	VM569721_00007	0.4 mL	2-Butanone	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone	100 ug/mL
							Acetone	100 ug/mL
					VM569723_00009	2 mL	2-Chloroethyl vinyl ether	100 ug/mL
					VM569724_00025	0.5 mL	Vinyl acetate	50 ug/mL
					VM571992_00005	1 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							Total BTEX	250 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Trihalomethanes, Total	200 ug/mL
							Xylenes, Total	100 ug/mL
..VM569721_00007	09/30/22		Restek, Lot A0152956		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
..VM569723_00009	02/28/22		restek, Lot A0146250		(Purchased Reagent)		2-Chloroethyl vinyl ether	2500 ug/mL
..VM569724_00025	10/31/21		Restek, Lot A0160321		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
..VM571992_00005	10/31/22		Restek, Lot A0159680		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromochloromethane	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							p-Isopropyltoluene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butyl alcohol	25000 ug/mL
							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_00452	09/27/21	09/20/21	MEOH, Lot NA	5 mL	VMRPRIM_00052	5 mL	2-Butanone	100 ug/mL
							2-Hexanone	100 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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
							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
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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 tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							Total BTEX	250 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Trihalomethanes, Total	200 ug/mL
							Xylenes, Total	100 ug/mL
.VMRPRIM_00052	10/31/21	08/02/21	MEOH, Lot 0000273166	50 mL	VM569721_00007	0.4 mL	2-Butanone	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone	100 ug/mL
							Acetone	100 ug/mL
					VM569723_00009	2 mL	2-Chloroethyl vinyl ether	100 ug/mL
					VM569724_00025	0.5 mL	Vinyl acetate	50 ug/mL
					VM571992_00005	1 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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-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
..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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..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
							n-Butylbenzene	2500 ug/mL
							n-Propylbenzene	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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	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
vmTHT std_00024	06/16/22	06/16/21	MEOH, Lot 273166	10 mL	vmtht stk_00020	5 uL	Tetrahydrothiophene	52.735 ug/mL
.vmtht stk_00020	06/16/22	06/16/21	MEOH, Lot 273166	10 mL	vmO-720_00003	1.06 g	Tetrahydrothiophene	105470 ug/mL
..vmO-720_00003	01/31/23	ChemService, Lot 6837100			(Purchased Reagent)		Tetrahydrothiophene	99.5 %

Reagent

vm30026_00003

Rec: 11/28/18
VM30026-00063

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30026 **Lot No.:** A0141187

Description : 4-Bromofluorobenzene Mixture

4-Bromofluorobenzene 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2023 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1-Bromo-4-fluorobenzene (BFB)	2,004.7 µg/mL	+/- 11.7645	µg/mL	Gravimetric
	CAS # 460-00-4 (Lot 20401KO)		+/- 112.4110	µg/mL	Unstressed
	Purity 99%		+/- 115.0408	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

vm30241_00007

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30241 **Lot No.:** A0134242

Description : 8260A Internal Standard Mix

8260A Internal Standard Mix 2,500 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2023 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Fluorobenzene		2,503.6 µg/mL	+/- 14.5561 µg/mL		Gravimetric
	CAS # 462-06-6	(Lot BCBK8171V)		+/- 140.3744 µg/mL		Unstressed
	Purity 99%			+/- 143.6590 µg/mL		Stressed
2	Chlorobenzene-d5		2,506.4 µg/mL	+/- 14.5724 µg/mL		Gravimetric
	CAS # 3114-55-4	(Lot PR-22736)		+/- 140.5314 µg/mL		Unstressed
	Purity 99%			+/- 143.8196 µg/mL		Stressed
3	1,4-Dichlorobenzene-d4		2,513.4 µg/mL	+/- 14.6131 µg/mL		Gravimetric
	CAS # 3855-82-1	(Lot PR-18488)		+/- 140.9238 µg/mL		Unstressed
	Purity 99%			+/- 144.2213 µg/mL		Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

VM30241-00007

REC'D 5-4-18

Reagent

VM567650_00035

Rec: 12/4/19
VM567650_00035

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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 9/10/20 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

VM568720_00041

Rec'd 7/7/21 VM568720 — 00041

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568720 **Lot No.:** A0168111

Description : 8260 List 1/Std #5 Acrolein High

8260 List 1/Std #5 Acrolein High 19,750µg/mL, Water, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2022 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Acrolein		19,912.5 µg/mL	+/- 116.5921	µg/mL	Gravimetric
	CAS # 107-02-8	(Lot RP200811)		+/- 397.7985	µg/mL	Unstressed
	Purity 99%			+/- 892.4506	µg/mL	Stressed

Solvent: Water
CAS # 7732-18-5
Purity 99%

Reagent

VM568720S_00037

Rec: 4/7/20
VM5687205-00037

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568720.SEC **Lot No.:** A0154553

Description : 8260 List 1/Std #5 Acrolein High

8260 List 1/Std #5 Acrolein High 19,750µg/mL, Water, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2021 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Acrolein		19,750.0 µg/mL	+/- 115.6405	µg/mL	Gravimetric
	CAS # 107-02-8.SEC	(Lot D8402600-1024)		+/- 394.5517	µg/mL	Unstressed
	Purity 97%			+/- 885.1665	µg/mL	Stressed

Solvent: Water
CAS # 7732-18-5
Purity 99%

Reagent

VM568720S_00038

Rec: 12/2/20
VMS68720S - 00038

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Catalog No. : 568720.SEC **Lot No.:** A0159281

Description : 8260 List 1/Std #5 Acrolein High

8260 List 1/Std #5 Acrolein High 19,750µg/mL, Water, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2021 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Acrolein	19,756.8 µg/mL	+/- 115.6804 µg/mL	Gravimetric
	CAS # 107-02-8.SEC (Lot CS-D0310)		+/- 394.6881 µg/mL	Unstressed
	Purity 99%		+/- 885.4724 µg/mL	Stressed

Solvent: Water
CAS # 7732-18-5
Purity 99%

Reagent

VM569721_00007

Rec: 2-21-20

VM569721-00007

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569721 **Lot No.:** A0152956

Description : 8260 List 1/ Std #2 Ketones (2015)

8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Acetone **CAS #** 67-64-1 (Lot SHBK6362) **Purity** 99%	12,546.0 µg/mL	+/- 73.4596 +/- 757.0057 +/- 758.8027	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	2-Butanone (MEK) **CAS #** 78-93-3 (Lot SHBK5945) **Purity** 99%	12,564.0 µg/mL	+/- 73.5650 +/- 758.0918 +/- 759.8914	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	4-Methyl-2-pentanone (MIBK) **CAS #** 108-10-1 (Lot SHBK5017) **Purity** 99%	12,558.0 µg/mL	+/- 73.5299 +/- 757.7297 +/- 759.5285	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	2-Hexanone **CAS #** 591-78-6 (Lot MKCD9048) **Purity** 99%	12,562.0 µg/mL	+/- 73.5533 +/- 757.9711 +/- 759.7704	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Reagent

VM569721S_00006

Rec: 2-25-20

VM569721S-00006

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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)		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)

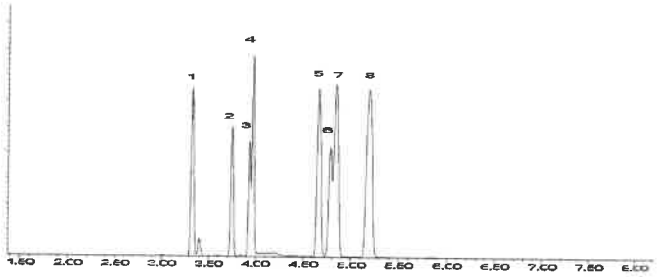
Carrier Gas:
helium-constant pressure 30 psi

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

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)

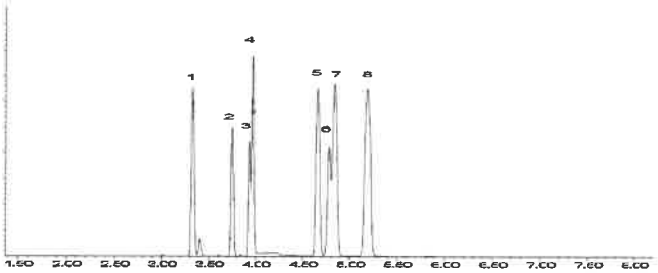
Carrier Gas:
helium-constant pressure 30 psi

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

vm569722S_00008

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) **CAS #** 75-71-8.SEC (Lot 26165) **Purity** 99%	2,501.8 µg/mL	+/- 19.9803 µg/mL +/- 140.9385 µg/mL +/- 144.2054 µg/mL	Gravimetric Unstressed Stressed
2	Chloromethane (methyl chloride) **CAS #** 74-87-3.SEC (Lot 18343) **Purity** 99%	2,510.1 µg/mL	+/- 18.7758 µg/mL +/- 141.2337 µg/mL +/- 144.5155 µg/mL	Gravimetric Unstressed Stressed
3	Vinyl chloride **CAS #** 75-01-4.SEC (Lot MKBK6872V) **Purity** 99%	2,518.3 µg/mL	+/- 19.4159 µg/mL +/- 141.7727 µg/mL +/- 145.0634 µg/mL	Gravimetric Unstressed Stressed
4	1,3-Butadiene **CAS #** 106-99-0.SEC (Lot 24033) **Purity** 99%	2,510.8 µg/mL	+/- 17.5328 µg/mL +/- 141.1137 µg/mL +/- 144.4001 µg/mL	Gravimetric Unstressed Stressed
5	Bromomethane (methyl bromide) **CAS #** 74-83-9.SEC (Lot 00017022) **Purity** 99%	2,506.4 µg/mL	+/- 23.4232 µg/mL +/- 141.7223 µg/mL +/- 144.9835 µg/mL	Gravimetric Unstressed Stressed
6	Chloroethane (ethyl chloride) **CAS #** 75-00-3.SEC (Lot 00004202) **Purity** 99%	2,523.5 µg/mL	+/- 21.4589 µg/mL +/- 142.3524 µg/mL +/- 145.6434 µg/mL	Gravimetric Unstressed Stressed
7	Dichlorofluoromethane (CFC-21) **CAS #** 75-43-4 * (Lot 4938100) **Purity** 99%	2,500.0 µg/mL	+/- 14.5352 µg/mL +/- 140.1725 µg/mL +/- 143.4524 µg/mL	Gravimetric Unstressed Stressed

8	Trichlorofluoromethane (CFC-11)		2,496.5	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)

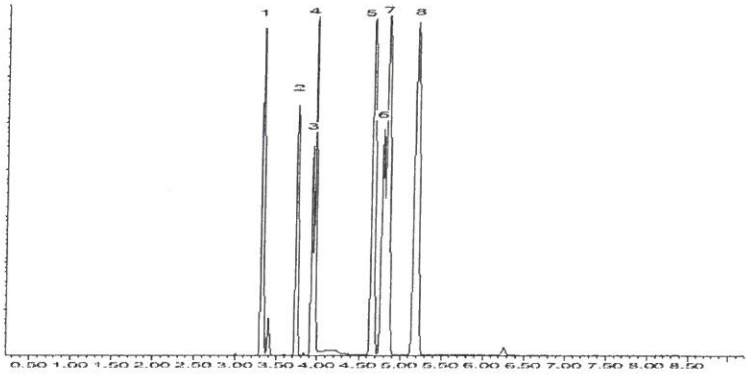
Carrier Gas:
helium-constant pressure 30 psi

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

vm569722S_00009

Rec: 12/2/20

VM569722S-00009

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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) **CAS #** 75-71-8.SEC (Lot 26165) **Purity** 99%	2,501.8 µg/mL	+/- 19.9803 µg/mL +/- 140.9385 µg/mL +/- 144.2054 µg/mL	Gravimetric Unstressed Stressed
2	Chloromethane (methyl chloride) **CAS #** 74-87-3.SEC (Lot 18343) **Purity** 99%	2,510.1 µg/mL	+/- 18.7758 µg/mL +/- 141.2337 µg/mL +/- 144.5155 µg/mL	Gravimetric Unstressed Stressed
3	Vinyl chloride **CAS #** 75-01-4.SEC (Lot MKBK6872V) **Purity** 99%	2,518.3 µg/mL	+/- 19.4159 µg/mL +/- 141.7727 µg/mL +/- 145.0634 µg/mL	Gravimetric Unstressed Stressed
4	1,3-Butadiene **CAS #** 106-99-0.SEC (Lot 24033) **Purity** 99%	2,510.8 µg/mL	+/- 17.5328 µg/mL +/- 141.1137 µg/mL +/- 144.4001 µg/mL	Gravimetric Unstressed Stressed
5	Bromomethane (methyl bromide) **CAS #** 74-83-9.SEC (Lot 00017022) **Purity** 99%	2,506.4 µg/mL	+/- 23.4232 µg/mL +/- 141.7223 µg/mL +/- 144.9835 µg/mL	Gravimetric Unstressed Stressed
6	Chloroethane (ethyl chloride) **CAS #** 75-00-3.SEC (Lot 00004202) **Purity** 99%	2,523.5 µg/mL	+/- 21.4589 µg/mL +/- 142.3524 µg/mL +/- 145.6434 µg/mL	Gravimetric Unstressed Stressed
7	Dichlorofluoromethane (CFC-21) **CAS #** 75-43-4 * (Lot 4938100) **Purity** 99%	2,500.0 µg/mL	+/- 14.5352 µg/mL +/- 140.1725 µg/mL +/- 143.4524 µg/mL	Gravimetric Unstressed Stressed

8	Trichlorofluoromethane (CFC-11)		2,496.5	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)

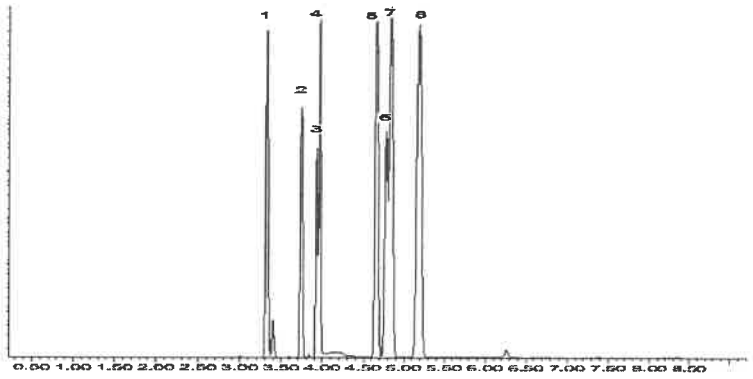
Carrier Gas:
helium-constant pressure 30 psi

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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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569723 **Lot No.:** A0146250

Description : 8260 List 1 / Std #4 2-CEVE (2015)

8260 List 1 / Std #4 2-CEVE (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Chloroethyl vinyl ether **CAS #** 110-75-8 (Lot MKBS6526V) **Purity** 99%	2,500.0 µg/mL	+/- 14.5352 +/- 53.5253 +/- 55.0814	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

Reagent

VM569723S_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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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569723.SEC **Lot No.:** A0153415

Description : 8260 List 1 / Std #4 2-CEVE (2015)

8260 List 1 / Std #4 2-CEVE (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Chloroethyl vinyl ether	2,503.3 µg/mL	+/- 14.6910	µg/mL	Gravimetric
	CAS # 110-75-8.SEC (Lot BQZ2K-QD)		+/- 53.6339	µg/mL	Unstressed
	Purity 99%		+/- 55.1910	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

Reagent

VM569724_00024

Rcd 4-20-20 VM569724_00024

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569724 **Lot No.:** A0156559

Description : 8260 List 1 / Std #6 Vinyl Acetate (2015)

8260 List 1 / Std #6 Vinyl Acetate (2015) 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2021 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Vinyl acetate		5,040.0 µg/mL	+/- 29.5103	µg/mL	Gravimetric
	CAS # 108-05-4	(Lot 192709KJ)		+/- 304.1056	µg/mL	Unstressed
	Purity 99%			+/- 304.8275	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Specific Reference Material Notes:
08 April 2020
Expiration date extended from July 31, 2020 to July 31, 2021.

Tech Tips:
Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Reagent

VM569724_00025

Rec: 12/2/20
VM569724_00025

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569724 **Lot No.:** A0160321

Description : 8260 List 1 / Std #6 Vinyl Acetate (2015)

8260 List 1 / Std #6 Vinyl Acetate (2015) 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2021 **Storage:** 0°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Vinyl acetate	5,040.0 µg/mL	+/- 29.5103	µg/mL	Gravimetric
	CAS # 108-05-4 (Lot 192709KJ)		+/- 304.1056	µg/mL	Unstressed
	Purity 99%		+/- 304.8275	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Reagent

VM569724S_00029

Rec'd: 4/20/19 VM5697245_00029

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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

VM569724S_00030

Rec: 12/2/20
VM569724S-00030

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Catalog No. : 569724.SEC **Lot No.:** A0160367

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	5,003.0 µg/mL	+/- 29.2937	µg/mL	Gravimetric
	CAS # 108-05-4.SEC (Lot 190320CGKJ)		+/- 301.8731	µg/mL	Unstressed
	Purity 99%		+/- 302.5897	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

VM569727_00005

Rec: 12/2/20
VM569727_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. : 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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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569727.SEC **Lot No.:** A0144966

Description : 8260 List 2/ Std #3 Cyclohexanone (2015)

8260 List 2/ Std #3 Cyclohexanone (2015) 25,000µg/mL, Water, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2022 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Cyclohexanone	25,036.0 µg/mL	+/- 146.5913 µg/mL	Gravimetric
	CAS # 108-94-1.SEC (Lot ZEHPG)		+/- 1,510.6324 µg/mL	Unstressed
	Purity 99%		+/- 1,514.2184 µg/mL	Stressed

Solvent: Water
CAS # 7732-18-5
Purity 99%

Reagent

vm570806_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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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570806.SEC **Lot No.:** A0146080

Description : 8260 List 2 / Std #4 Pentachloroethane

8260 List 2 / Std #4 Pentachloroethane 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 29, 2024 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Pentachloroethane	2,502.7 µg/mL	+/- 14.6871	µg/mL	Gravimetric
	CAS # 76-01-7.SEC (Lot 5854000)		+/- 140.3362	µg/mL	Unstressed
	Purity 99%		+/- 143.6193	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

vm570807_00005

Rev: 4/19/14

VM570807_00005

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570807 **Lot No.:** A0126478

Description : 8260 List 2 / Std #5 Methylnaphthalenes

8260 List 2 / Std #5 Methylnaphthalenes 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2-Methylnaphthalene **CAS #** 91-57-6 (Lot STBF0201V) **Purity** 95%	2,501.4 µg/mL	+/- 14.6793 µg/mL +/- 140.2624 µg/mL +/- 143.5437 µg/mL	Gravimetric Unstressed Stressed
2	1-Methylnaphthalene **CAS #** 90-12-0 (Lot 523400-9) **Purity** 98%	2,505.9 µg/mL	+/- 14.7058 µg/mL +/- 140.5153 µg/mL +/- 143.8025 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

vm570807S_00006

Rcld 10-13-20 VM5708075_ 00006

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Catalog No. : 570807.SEC **Lot No.:** A0144306

Description : 8260 List 2 / Std #5 Methylnaphthalenes

8260 List 2 / Std #5 Methylnaphthalenes 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2023 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Methylnaphthalene	2,505.4 µg/mL	+/- 14.7029	µg/mL	Gravimetric
	CAS # 91-57-6.SEC (Lot 76023-1)		+/- 140.4878	µg/mL	Unstressed
	Purity 98%		+/- 143.7744	µg/mL	Stressed
2	1-Methylnaphthalene	2,511.0 µg/mL	+/- 14.7360	µg/mL	Gravimetric
	CAS # 90-12-0.SEC (Lot OEE3F)		+/- 140.8035	µg/mL	Unstressed
	Purity 99%		+/- 144.0975	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

VM570808_00006

Rec: 6-11-20
VM570808_00006

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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 **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)

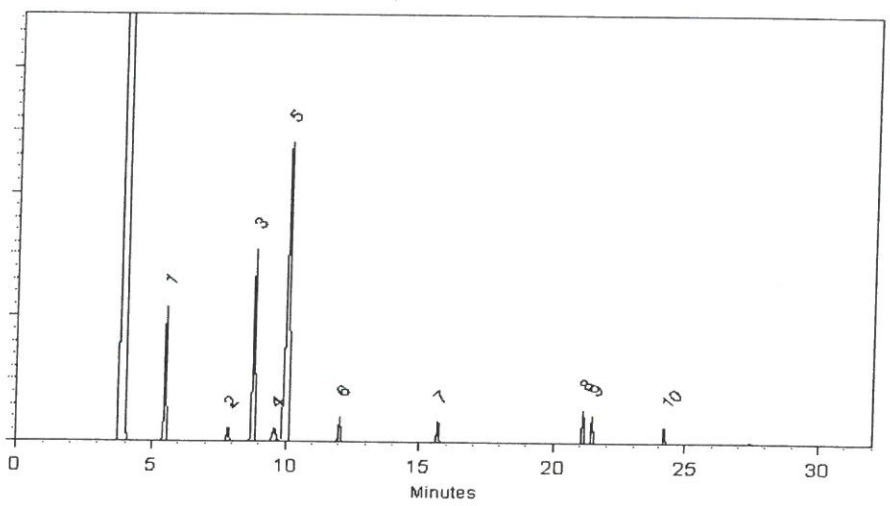
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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)

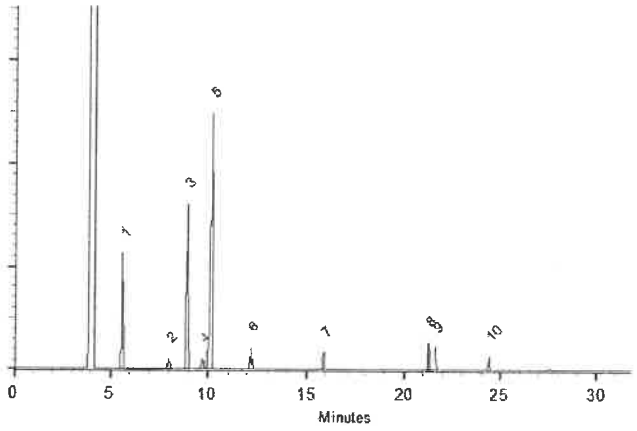
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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)

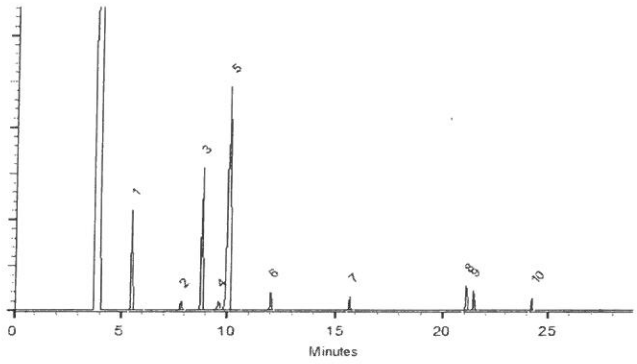
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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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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)

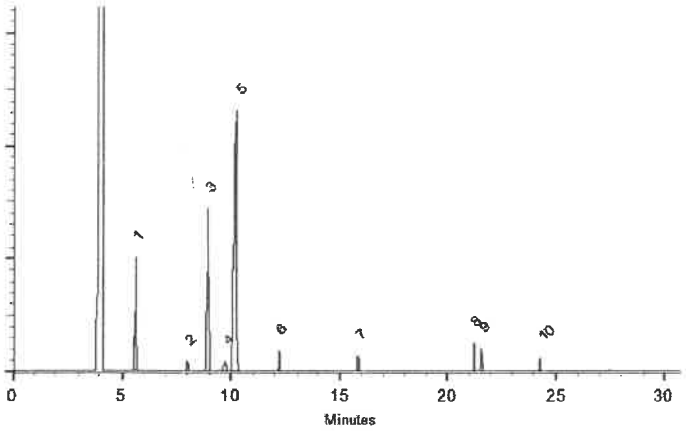
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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.

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.:** 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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Catalog No. : 570809 **Lot No.:** A0163113

Description : 8260 List 2 / Std #7

8260 List 2 / Std #7 2,500-5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2022 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)		Expanded Uncertainty (95% C.L., K=2)		
1	Ethyl acetate **CAS #** 141-78-6 **Purity** 99%	(Lot SHBL1336)	5,034.5	µg/mL	+/- 29.4781 +/- 303.7737 +/- 304.4948	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	Ethyl acrylate **CAS #** 140-88-5 **Purity** 99%	(Lot 10129902)	2,517.0	µg/mL	+/- 14.7712 +/- 151.8750 +/- 152.2356	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	Methyl methacrylate **CAS #** 80-62-6 **Purity** 99%	(Lot MKCK0733)	5,016.5	µg/mL	+/- 29.3727 +/- 302.6876 +/- 303.4062	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	Butyl acetate **CAS #** 123-86-4 **Purity** 99%	(Lot SHBK5137)	2,513.5	µg/mL	+/- 14.7506 +/- 151.6638 +/- 152.0239	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

VM570809S_00009

Rc'd 10/13/20 VH 5708095_ 00009

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570809.SEC **Lot No.:** A0160820

Description : 8260 List 2 / Std #7

8260 List 2 / Std #7 2,500-5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2021 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Ethyl acetate **CAS #** 141-78-6.SEC (Lot C386A-GG) **Purity** 99%	5,004.5 µg/mL	+/- 29.3024 µg/mL +/- 301.9636 µg/mL +/- 302.6804 µg/mL	Gravimetric Unstressed Stressed
2	Ethyl acrylate **CAS #** 140-88-5.SEC (Lot YIFAM-TG) **Purity** 99%	2,500.5 µg/mL	+/- 14.6743 µg/mL +/- 150.8794 µg/mL +/- 151.2376 µg/mL	Gravimetric Unstressed Stressed
3	Methyl methacrylate **CAS #** 80-62-6.SEC (Lot G01X021) **Purity** 99%	5,018.0 µg/mL	+/- 29.3815 µg/mL +/- 302.7781 µg/mL +/- 303.4969 µg/mL	Gravimetric Unstressed Stressed
4	Butyl acetate **CAS #** 123-86-4.SEC (Lot V2L2G-GT) **Purity** 99%	2,501.5 µg/mL	+/- 14.6802 µg/mL +/- 150.9398 µg/mL +/- 151.2981 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

VM571992_00004

VMS71992-00004 Rec: 2-21-20

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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)

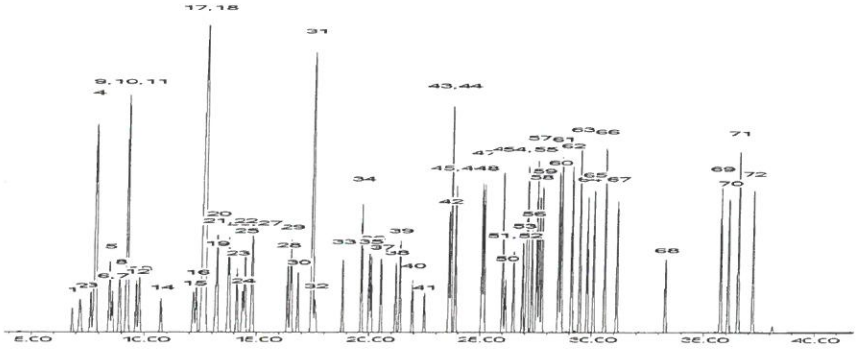
Carrier Gas:
helium-constant pressure 30 psi

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
VM571992S-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.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)

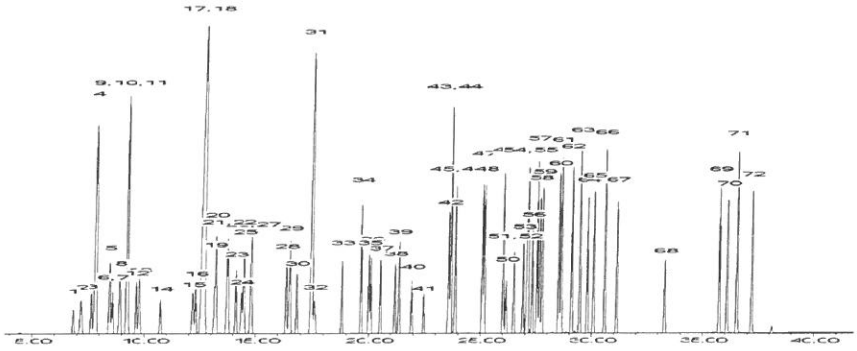
Carrier Gas:
helium-constant pressure 30 psi

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

RESTEK® CERTIFIED REFERENCE MATERIAL

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Certificate #3222.02

Certificate of Analysis

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571992.SEC **Lot No.:** A0144202

Description : 8260 List 1 / Std #1 MegaMix (2017)

8260 List 1 / Std #1 MegaMix (2017) 1,250-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2021 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Diethyl ether (ethyl ether) **CAS #** 60-29-7.SEC (Lot F23X068) **Purity** 98%	2,517.0 µg/mL	+/- 14.6339 +/- 151.8598 +/- 152.2203	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	1,1,2-Trichlorotrifluoroethane (CFC-113) **CAS #** 76-13-1.SEC (Lot 18342) **Purity** 99%	2,506.7 µg/mL	+/- 14.5740 +/- 151.2383 +/- 151.5974	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	1,1-Dichloroethene **CAS #** 75-35-4.SEC (Lot 7692300) **Purity** 99%	2,503.3 µg/mL	+/- 14.5546 +/- 151.0372 +/- 151.3958	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	tert-Butanol (TBA) **CAS #** 75-65-0.SEC (Lot XYXDO) **Purity** 98%	25,000.8 µg/mL	+/- 145.3491 +/- 1,508.4071 +/- 1,511.9883	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
5	Methyl acetate **CAS #** 79-20-9.SEC (Lot UCNEL) **Purity** 99%	5,002.3 µg/mL	+/- 29.0840 +/- 301.8129 +/- 302.5295	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
6	Iodomethane (methyl iodide) **CAS #** 74-88-4.SEC (Lot Y25A027) **Purity** 99%	2,503.5 µg/mL	+/- 14.5556 +/- 151.0472 +/- 151.4059	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
7	Allyl chloride (3-chloropropene) **CAS #** 107-05-1.SEC (Lot H3HGC) **Purity** 99%	2,511.7 µg/mL	+/- 14.6030 +/- 151.5400 +/- 151.8998	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

8	Methylene chloride (dichloromethane) **CAS #** 75-09-2.SEC (Lot FGM02) **Purity** 99%	2,506.7 µg/mL	+/- 14.5740 +/- 151.2383 +/- 151.5974	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	Carbon disulfide **CAS #** 75-15-0.SEC (Lot MKBL1376V) **Purity** 99%	2,500.7 µg/mL	+/- 14.5391 +/- 150.8763 +/- 151.2345	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	Acrylonitrile **CAS #** 107-13-1.SEC (Lot UERIL) **Purity** 99%	25,001.2 µg/mL	+/- 145.3513 +/- 1,508.4304 +/- 1,512.0117	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	Methyl-tert-butyl ether (MTBE) **CAS #** 1634-04-4.SEC (Lot ZHKYA) **Purity** 99%	2,501.5 µg/mL	+/- 14.5439 +/- 150.9266 +/- 151.2849	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	cis-1,2-Dichloroethene **CAS #** 156-59-2.SEC (Lot HGC01-BLKT) **Purity** 98%	2,501.3 µg/mL	+/- 14.5427 +/- 150.9137 +/- 151.2720	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
13	n-Hexane (C6) **CAS #** 110-54-3.SEC (Lot K24W001) **Purity** 97%	2,503.2 µg/mL	+/- 14.5541 +/- 151.0320 +/- 151.3905	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
14	1,1-Dichloroethane **CAS #** 75-34-3.SEC (Lot 5379000) **Purity** 99%	2,502.0 µg/mL	+/- 14.5468 +/- 150.9567 +/- 151.3151	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
15	2,2-Dichloropropane **CAS #** 594-20-7.SEC (Lot I7E8E) **Purity** 98%	2,503.2 µg/mL	+/- 14.5541 +/- 151.0320 +/- 151.3905	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
16	trans-1,2-Dichloroethene **CAS #** 156-60-5.SEC (Lot TS5UB) **Purity** 97%	2,501.0 µg/mL	+/- 14.5409 +/- 150.8954 +/- 151.2537	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
17	Isobutanol (2-Methyl-1-propanol) **CAS #** 78-83-1.SEC (Lot PH2XK) **Purity** 99%	62,508.3 µg/mL	+/- 363.4098 +/- 3,771.4029 +/- 3,780.3569	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
18	Chloroform **CAS #** 67-66-3.SEC (Lot 1297547) **Purity** 99%	2,500.5 µg/mL	+/- 14.5381 +/- 150.8662 +/- 151.2244	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
19	Bromochloromethane **CAS #** 74-97-5.SEC (Lot 5670200) **Purity** 99%	2,507.0 µg/mL	+/- 14.5759 +/- 151.2584 +/- 151.6175	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
20	Tetrahydrofuran **CAS #** 109-99-9.SEC (Lot 8DAOJ) **Purity** 99%	5,006.7 µg/mL	+/- 29.1092 +/- 302.0744 +/- 302.7916	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
21	1,1,1-Trichloroethane **CAS #** 71-55-6.SEC (Lot 7998000) **Purity** 99%	2,507.7 µg/mL	+/- 14.5798 +/- 151.2986 +/- 151.6579	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
22	Cyclohexane **CAS #** 110-82-7.SEC (Lot YADRA) **Purity** 99%	2,508.0 µg/mL	+/- 14.5817 +/- 151.3188 +/- 151.6780	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
23	1,1-Dichloropropene **CAS #** 563-58-6.SEC (Lot 5221100) **Purity** 96%	2,502.4 µg/mL	+/- 14.5492 +/- 150.9809 +/- 151.3393	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

24	Carbon tetrachloride		2,510.3	µg/mL	+/-	14.5953	µg/mL	Gravimetric
	CAS # 56-23-5.SEC	(Lot 11466)			+/-	151.4595	µg/mL	Unstressed
	Purity 99%				+/-	151.8191	µg/mL	Stressed
25	n-Heptane (C7)		2,511.8	µg/mL	+/-	14.6040	µg/mL	Gravimetric
	CAS # 142-82-5.SEC	(Lot TFHUC)			+/-	151.5500	µg/mL	Unstressed
	Purity 99%				+/-	151.9098	µg/mL	Stressed
26	1,2-Dichloroethane		2,501.3	µg/mL	+/-	14.5430	µg/mL	Gravimetric
	CAS # 107-06-2.SEC	(Lot FO6PK)			+/-	150.9165	µg/mL	Unstressed
	Purity 99%				+/-	151.2748	µg/mL	Stressed
27	Benzene		2,504.8	µg/mL	+/-	14.5633	µg/mL	Gravimetric
	CAS # 71-43-2.SEC	(Lot B28Y008)			+/-	151.1277	µg/mL	Unstressed
	Purity 99%				+/-	151.4865	µg/mL	Stressed
28	Trichloroethene		2,508.7	µg/mL	+/-	14.5856	µg/mL	Gravimetric
	CAS # 79-01-6.SEC	(Lot H04X050)			+/-	151.3590	µg/mL	Unstressed
	Purity 99%				+/-	151.7183	µg/mL	Stressed
29	Methylcyclohexane		2,504.5	µg/mL	+/-	14.5614	µg/mL	Gravimetric
	CAS # 108-87-2.SEC	(Lot Q02QG)			+/-	151.1076	µg/mL	Unstressed
	Purity 99%				+/-	151.4663	µg/mL	Stressed
30	1,2-Dichloropropane		2,504.0	µg/mL	+/-	14.5585	µg/mL	Gravimetric
	CAS # 78-87-5.SEC	(Lot ERRBI-RH)			+/-	151.0774	µg/mL	Unstressed
	Purity 99%				+/-	151.4361	µg/mL	Stressed
31	1,4-Dioxane		50,008.0	µg/mL	+/-	290.7356	µg/mL	Gravimetric
	CAS # 123-91-1.SEC	(Lot YVP2C)			+/-	3,017.2028	µg/mL	Unstressed
	Purity 99%				+/-	3,024.3661	µg/mL	Stressed
32	Dibromomethane		2,509.5	µg/mL	+/-	14.5904	µg/mL	Gravimetric
	CAS # 74-95-3.SEC	(Lot FGI01-OICH)			+/-	151.4093	µg/mL	Unstressed
	Purity 99%				+/-	151.7687	µg/mL	Stressed
33	cis-1,3-Dichloropropene		2,502.0	µg/mL	+/-	14.5468	µg/mL	Gravimetric
	CAS # 10061-01-5.SEC	(Lot 487OA)			+/-	150.9567	µg/mL	Unstressed
	Purity 99%				+/-	151.3151	µg/mL	Stressed
34	Toluene		2,501.5	µg/mL	+/-	14.5439	µg/mL	Gravimetric
	CAS # 108-88-3.SEC	(Lot YND2B-BD)			+/-	150.9266	µg/mL	Unstressed
	Purity 99%				+/-	151.2849	µg/mL	Stressed
35	Ethyl methacrylate		2,508.8	µg/mL	+/-	14.5866	µg/mL	Gravimetric
	CAS # 97-63-2.SEC	(Lot MLWYK-LS)			+/-	151.3690	µg/mL	Unstressed
	Purity 99%				+/-	151.7284	µg/mL	Stressed
36	trans-1,3-Dichloropropene		2,502.9	µg/mL	+/-	14.5520	µg/mL	Gravimetric
	CAS # 10061-02-6.SEC	(Lot ZDMSL)			+/-	151.0098	µg/mL	Unstressed
	Purity 96%				+/-	151.3684	µg/mL	Stressed
37	1,1,2-Trichloroethane		2,502.5	µg/mL	+/-	14.5498	µg/mL	Gravimetric
	CAS # 79-00-5.SEC	(Lot 7871500)			+/-	150.9869	µg/mL	Unstressed
	Purity 99%				+/-	151.3454	µg/mL	Stressed
38	1,3-Dichloropropane		2,502.7	µg/mL	+/-	14.5507	µg/mL	Gravimetric
	CAS # 142-28-9.SEC	(Lot AGN01-EFPC)			+/-	150.9970	µg/mL	Unstressed
	Purity 99%				+/-	151.3555	µg/mL	Stressed
39	Tetrachloroethene		2,505.0	µg/mL	+/-	14.5643	µg/mL	Gravimetric
	CAS # 127-18-4.SEC	(Lot F09W014)			+/-	151.1378	µg/mL	Unstressed
	Purity 99%				+/-	151.4966	µg/mL	Stressed

40	Dibromochloromethane **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)

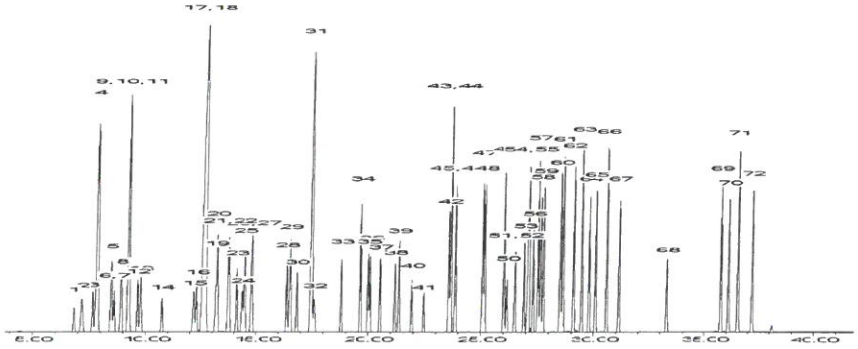
Carrier Gas:
helium-constant pressure 30 psi

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 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. : 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 +/- 1,237.8729 +/- 1,268.6477	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	Diisopropyl ether (DIPE) **CAS #** 108-20-3 (Lot SHBH1927V) **Purity** 99%	2,503.7 µg/mL	+/- 14.6929 +/- 123.8671 +/- 126.9464	µg/mL µg/mL 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 +/- 123.8011 +/- 126.8788	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	Propionitrile **CAS #** 107-12-0 (Lot BCBW0865) **Purity** 99%	25,038.0 µg/mL	+/- 146.6030 +/- 1,238.6975 +/- 1,269.4928	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
5	tert-Amyl alcohol **CAS #** 75-85-4 (Lot STBG1140V) **Purity** 99%	25,036.7 µg/mL	+/- 146.5952 +/- 1,238.6315 +/- 1,269.4252	µg/mL µg/mL 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 +/- 123.8176 +/- 126.8957	µg/mL µg/mL 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

Reagent

vmO-720_00003

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RCC'D 7-20-21

CERTIFICATE OF ANALYSIS

Tetrahydrothiophene

CATALOG NUMBER	N-13550-1G
LOT NUMBER	6837100
DATE CERTIFIED	01/07/16
EXPIRATION DATE	01/31/23
CAS NUMBER	110-01-0
MOLECULAR FORMULA	C4H8S
MOLECULAR WEIGHT	88.17
STORAGE	Store at room temperature (20 - 25 °C).
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

Analytical Test	Value
% PURITY (GC/FID)	99.5

Chem Service, Inc. guarantees the purity to be +/- 0.5% deviation prior to the expiration date shown on the label and exclusive of any customer contamination.

Certified By

Mary Beth O'Donnell

Mary Beth O'Donnell
CSM/TC

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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-091421	240-156133-1	93	95	94	99
MSA-SW37B-091421	240-156133-2	90	93	93	98
MSA-SW37C-091421	240-156133-3	95	95	94	99
MSA-SW37D-091421	240-156133-4	99	101	100	105
MSA-SW38A-091421	240-156133-5	91	96	95	100
MSA-SW38B-091421	240-156133-6	91	94	95	99
MSA-SW38C-091421	240-156133-7	94	95	93	100
MSA-SW38D-091421	240-156133-8	93	96	96	104
MSA-SW40A-091421	240-156133-9	99	98	92	101
MSA-SW40B-091421	240-156133-10	92	94	93	100
MSA-SW40C-091421	240-156133-11	95	96	95	102
MSA-SW40D-091421	240-156133-12	105	100	95	105
MSA-SW41A-091421	240-156133-13	97	95	92	100
MSA-SW41B-091421	240-156133-14	103	99	93	102
MSA-SW41C-091421	240-156133-15	108	99	94	105
MSA-SW41D-091421	240-156133-16	95	95	94	103
MSA-SW42A-091421	240-156133-17	92	94	92	99
MSA-SW42B-091421	240-156133-18	109	100	90	103
MSA-SW42C-091421	240-156133-19	101	98	93	102
MSA-SW42D-091421	240-156133-20	110	102	92	105
MSA-SW43A-091421	240-156133-21	97	97	94	99
MSA-SW43B-091421	240-156133-22	109	101	91	104
MSA-SW43C-091421	240-156133-23	102	98	91	102
MSA-SW43D-091421	240-156133-24	106	100	92	103
MSA-SW44A-091421	240-156133-25	105	99	93	103
MSA-SW44B-091421	240-156133-26	108	103	93	103
MSA-SW44C-091421	240-156133-27	102	101	92	101
MSA-SW44D-091421	240-156133-28	94	96	93	97
TB-091421	240-156133-29	98	98	94	99
MSA-SW46A-091421	240-156133-30	97	93	97	92
MSA-SW47A-091421	240-156133-31	99	96	98	93
MSA-SW48A-091421	240-156133-32	100	94	98	93
MSA-SW49A-091421	240-156133-33	98	94	98	93
	MB 240-504263/8	99	96	94	102
	MB 240-504290/10	96	92	98	94

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	73-120
DCA = 1,2-Dichloroethane-d4 (Surr)	62-137
TOL = Toluene-d8 (Surr)	78-122
BFB = 4-Bromofluorobenzene (Surr)	56-136

Column to be used to flag recovery values

FORM II 8260C

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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 240-504389/8	91	93	95	99
	MB 240-505049/8	101	99	95	103
	LCS 240-504263/5	95	93	95	101
	LCS 240-504290/6	96	89	101	103
	LCS 240-504389/5	90	91	95	101
	LCS 240-505049/5	92	92	94	101
	240-156069-B-1 MS	98	97	94	103
	240-156016-E-8 MS	95	87	99	103
	240-156136-B-3 MS	101	96	95	103
	240-156590-B-3 MS	95	94	94	102
	240-156069-B-1 MSD	90	91	95	101
	240-156016-E-8 MSD	97	88	100	104
	240-156136-B-3 MSD	94	93	97	104
	240-156590-B-3 MSD	95	95	95	102

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	73-120
DCA = 1,2-Dichloroethane-d4 (Surr)	62-137
TOL = Toluene-d8 (Surr)	78-122
BFB = 4-Bromofluorobenzene (Surr)	56-136

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UXM39873.D

Lab ID: LCS 240-504263/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	40.0	45.1	113	50-149	
Benzene	20.0	21.7	109	77-123	
Bromobenzene	20.0	21.1	105	80-122	
Bromochloromethane	20.0	21.2	106	71-121	
Bromodichloromethane	20.0	19.5	98	69-126	
Bromoform	20.0	18.4	92	57-129	
Bromomethane	20.0	16.8	84	36-142	
2-Butanone	40.0	45.1	113	54-156	
Carbon disulfide	20.0	20.9	104	43-140	
Carbon tetrachloride	20.0	21.3	107	55-137	
Chlorobenzene	20.0	21.3	107	80-121	
Chloroethane	20.0	18.2	91	38-152	
2-Chloroethyl vinyl ether	20.0	14.0	70	40-157	
Chloroform	20.0	21.1	105	74-122	
Chloromethane	20.0	15.1	76	47-143	
2-Chlorotoluene	20.0	21.1	105	79-124	
4-Chlorotoluene	20.0	21.4	107	80-125	
cis-1,2-Dichloroethene	20.0	21.0	105	77-123	
cis-1,3-Dichloropropene	20.0	19.7	99	64-130	
Dibromochloromethane	20.0	19.6	98	70-124	
1,2-Dibromo-3-Chloropropane	20.0	17.0	85	53-135	
1,2-Dibromoethane	20.0	22.4	112	71-134	
Dibromomethane	20.0	20.6	103	67-131	
1,2-Dichlorobenzene	20.0	20.8	104	78-120	
1,3-Dichlorobenzene	20.0	21.1	105	80-120	
1,4-Dichlorobenzene	20.0	21.4	107	80-120	
Dichlorodifluoromethane	20.0	18.7	94	34-153	
1,1-Dichloroethane	20.0	19.5	97	72-127	
1,2-Dichloroethane	20.0	21.2	106	66-128	
1,1-Dichloroethene	20.0	23.2	116	63-134	
1,2-Dichloropropane	20.0	21.0	105	75-133	
1,3-Dichloropropane	20.0	21.7	108	68-139	
2,2-Dichloropropane	20.0	13.5	68	48-142	
1,1-Dichloropropene	20.0	22.4	112	71-124	
Ethylbenzene	20.0	21.4	107	80-121	
Hexachlorobutadiene	20.0	20.3	102	37-162	
2-Hexanone	40.0	34.5	86	43-167	
Isopropylbenzene	20.0	21.6	108	74-128	
Methylene Chloride	20.0	21.5	107	71-125	
4-Methyl-2-pentanone	40.0	35.3	88	46-158	
Methyl tert-butyl ether	20.0	19.9	99	65-126	
m-Xylene & p-Xylene	20.0	21.2	106	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UXM39873.D

Lab ID: LCS 240-504263/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	20.0	18.3	92	53-138	
n-Butylbenzene	20.0	20.3	101	62-139	
n-Propylbenzene	20.0	20.7	104	76-127	
o-Xylene	20.0	21.5	107	80-123	
p-Isopropyltoluene	20.0	21.1	105	71-132	
sec-Butylbenzene	20.0	21.0	105	69-135	
Styrene	20.0	23.2	116	80-135	
tert-Butyl alcohol	200	63.5	32	33-153	*-
tert-Butylbenzene	20.0	20.9	104	64-134	
1,1,1,2-Tetrachloroethane	20.0	21.8	109	71-124	
1,1,2,2-Tetrachloroethane	20.0	20.9	104	58-157	
Tetrachloroethene	20.0	22.4	112	76-123	
Toluene	20.0	21.0	105	80-123	
trans-1,2-Dichloroethene	20.0	21.1	105	75-124	
trans-1,3-Dichloropropene	20.0	19.2	96	57-129	
1,2,3-Trichlorobenzene	20.0	18.6	93	45-149	
1,2,4-Trichlorobenzene	20.0	19.0	95	44-147	
1,1,1-Trichloroethane	20.0	21.5	108	64-131	
Trichloroethene	20.0	22.5	113	70-122	
Trichlorofluoromethane	20.0	21.6	108	30-170	
1,2,3-Trichloropropane	20.0	21.5	107	57-150	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	25.4	127	51-146	
1,2,4-Trimethylbenzene	20.0	20.9	105	77-129	
Vinyl acetate	20.0	17.8	89	44-145	
Vinyl chloride	20.0	16.1	81	60-144	
Xylenes, Total	40.0	42.7	107	80-121	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1924234.d

Lab ID: LCS 240-504290/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	40.0	31.6	79	50-149	
Benzene	20.0	18.5	93	77-123	
Bromobenzene	20.0	19.3	97	80-122	
Bromochloromethane	20.0	15.9	80	71-121	
Bromodichloromethane	20.0	16.5	82	69-126	
Bromoform	20.0	17.5	88	57-129	
Bromomethane	20.0	20.3	102	36-142	
2-Butanone	40.0	35.6	89	54-156	
Carbon disulfide	20.0	16.1	80	43-140	
Carbon tetrachloride	20.0	18.7	94	55-137	
Chlorobenzene	20.0	19.7	98	80-121	
Chloroethane	20.0	20.6	103	38-152	
2-Chloroethyl vinyl ether	20.0	15.6	78	40-157	
Chloroform	20.0	18.3	92	74-122	
Chloromethane	20.0	15.5	78	47-143	
2-Chlorotoluene	20.0	18.7	94	79-124	
4-Chlorotoluene	20.0	18.4	92	80-125	
cis-1,2-Dichloroethene	20.0	17.8	89	77-123	
cis-1,3-Dichloropropene	20.0	15.0	75	64-130	
Dibromochloromethane	20.0	18.1	91	70-124	
1,2-Dibromo-3-Chloropropane	20.0	14.5	72	53-135	
1,2-Dibromoethane	20.0	19.0	95	71-134	
Dibromomethane	20.0	18.5	93	67-131	
1,2-Dichlorobenzene	20.0	19.0	95	78-120	
1,3-Dichlorobenzene	20.0	19.0	95	80-120	
1,4-Dichlorobenzene	20.0	19.0	95	80-120	
Dichlorodifluoromethane	20.0	21.5	107	34-153	
1,1-Dichloroethane	20.0	17.2	86	72-127	
1,2-Dichloroethane	20.0	16.7	83	66-128	
1,1-Dichloroethene	20.0	17.9	90	63-134	
1,2-Dichloropropane	20.0	17.5	87	75-133	
1,3-Dichloropropane	20.0	19.7	98	68-139	
2,2-Dichloropropane	20.0	16.3	81	48-142	
1,1-Dichloropropene	20.0	18.1	91	71-124	
Ethylbenzene	20.0	19.5	97	80-121	
Hexachlorobutadiene	20.0	16.4	82	37-162	
2-Hexanone	40.0	31.4	79	43-167	
Isopropylbenzene	20.0	19.4	97	74-128	
Methylene Chloride	20.0	16.7	83	71-125	
4-Methyl-2-pentanone	40.0	29.1	73	46-158	
Methyl tert-butyl ether	20.0	15.9	79	65-126	
m-Xylene & p-Xylene	20.0	19.6	98	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1924234.d

Lab ID: LCS 240-504290/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	20.0	15.1	76	53-138	
n-Butylbenzene	20.0	17.0	85	62-139	
n-Propylbenzene	20.0	19.0	95	76-127	
o-Xylene	20.0	19.1	95	80-123	
p-Isopropyltoluene	20.0	18.2	91	71-132	
sec-Butylbenzene	20.0	18.7	94	69-135	
Styrene	20.0	18.7	94	80-135	
tert-Butyl alcohol	200	130	65	33-153	
tert-Butylbenzene	20.0	18.3	92	64-134	
1,1,1,2-Tetrachloroethane	20.0	18.4	92	71-124	
1,1,2,2-Tetrachloroethane	20.0	18.7	94	58-157	
Tetrachloroethene	20.0	20.9	104	76-123	
Toluene	20.0	19.7	98	80-123	
trans-1,2-Dichloroethene	20.0	17.1	86	75-124	
trans-1,3-Dichloropropene	20.0	15.7	79	57-129	
1,2,3-Trichlorobenzene	20.0	16.6	83	45-149	
1,2,4-Trichlorobenzene	20.0	15.7	79	44-147	
1,1,1-Trichloroethane	20.0	18.1	90	64-131	
Trichloroethene	20.0	18.7	93	70-122	
Trichlorofluoromethane	20.0	22.7	114	30-170	
1,2,3-Trichloropropane	20.0	18.8	94	57-150	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	21.8	109	51-146	
1,2,4-Trimethylbenzene	20.0	18.8	94	77-129	
Vinyl acetate	20.0	10.5	53	44-145	
Vinyl chloride	20.0	17.3	87	60-144	
Xylenes, Total	40.0	38.7	97	80-121	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UXM39903.D

Lab ID: LCS 240-504389/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	40.0	47.4	119	50-149	
Benzene	20.0	21.6	108	77-123	
Bromobenzene	20.0	21.2	106	80-122	
Bromochloromethane	20.0	20.0	100	71-121	
Bromodichloromethane	20.0	19.2	96	69-126	
Bromoform	20.0	18.7	93	57-129	
Bromomethane	20.0	16.7	83	36-142	
2-Butanone	40.0	47.8	120	54-156	
Carbon disulfide	20.0	20.4	102	43-140	
Carbon tetrachloride	20.0	20.7	103	55-137	
Chlorobenzene	20.0	21.5	108	80-121	
Chloroethane	20.0	18.0	90	38-152	
2-Chloroethyl vinyl ether	20.0	8.32 J	42	40-157	
Chloroform	20.0	20.3	102	74-122	
Chloromethane	20.0	15.1	75	47-143	
2-Chlorotoluene	20.0	20.8	104	79-124	
4-Chlorotoluene	20.0	21.4	107	80-125	
cis-1,2-Dichloroethene	20.0	20.0	100	77-123	
cis-1,3-Dichloropropene	20.0	20.0	100	64-130	
Dibromochloromethane	20.0	20.1	100	70-124	
1,2-Dibromo-3-Chloropropane	20.0	17.6	88	53-135	
1,2-Dibromoethane	20.0	22.7	114	71-134	
Dibromomethane	20.0	19.8	99	67-131	
1,2-Dichlorobenzene	20.0	20.7	103	78-120	
1,3-Dichlorobenzene	20.0	21.1	106	80-120	
1,4-Dichlorobenzene	20.0	21.1	106	80-120	
Dichlorodifluoromethane	20.0	18.1	90	34-153	
1,1-Dichloroethane	20.0	18.2	91	72-127	
1,2-Dichloroethane	20.0	20.5	103	66-128	
1,1-Dichloroethene	20.0	21.6	108	63-134	
1,2-Dichloropropane	20.0	21.2	106	75-133	
1,3-Dichloropropane	20.0	22.1	111	68-139	
2,2-Dichloropropane	20.0	11.9	60	48-142	
1,1-Dichloropropene	20.0	22.3	111	71-124	
Ethylbenzene	20.0	21.1	106	80-121	
Hexachlorobutadiene	20.0	20.3	101	37-162	
2-Hexanone	40.0	40.6	102	43-167	
Isopropylbenzene	20.0	21.3	106	74-128	
Methylene Chloride	20.0	20.6	103	71-125	
4-Methyl-2-pentanone	40.0	40.0	100	46-158	
Methyl tert-butyl ether	20.0	20.0	100	65-126	
m-Xylene & p-Xylene	20.0	21.0	105	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UXM39903.D

Lab ID: LCS 240-504389/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	20.0	18.6	93	53-138	
n-Butylbenzene	20.0	20.2	101	62-139	
n-Propylbenzene	20.0	20.9	104	76-127	
o-Xylene	20.0	21.2	106	80-123	
p-Isopropyltoluene	20.0	21.1	106	71-132	
sec-Butylbenzene	20.0	20.9	104	69-135	
Styrene	20.0	22.9	115	80-135	
tert-Butyl alcohol	200	50.2	25	33-153	*-
tert-Butylbenzene	20.0	20.9	104	64-134	
1,1,1,2-Tetrachloroethane	20.0	22.0	110	71-124	
1,1,2,2-Tetrachloroethane	20.0	21.8	109	58-157	
Tetrachloroethene	20.0	22.5	112	76-123	
Toluene	20.0	21.0	105	80-123	
trans-1,2-Dichloroethene	20.0	20.5	103	75-124	
trans-1,3-Dichloropropene	20.0	19.7	99	57-129	
1,2,3-Trichlorobenzene	20.0	18.7	94	45-149	
1,2,4-Trichlorobenzene	20.0	18.8	94	44-147	
1,1,1-Trichloroethane	20.0	20.6	103	64-131	
Trichloroethene	20.0	22.3	112	70-122	
Trichlorofluoromethane	20.0	21.1	105	30-170	
1,2,3-Trichloropropane	20.0	22.3	112	57-150	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	23.7	119	51-146	
1,2,4-Trimethylbenzene	20.0	20.7	104	77-129	
Vinyl acetate	20.0	23.6	118	44-145	
Vinyl chloride	20.0	16.0	80	60-144	
Xylenes, Total	40.0	42.2	106	80-121	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UXM40034.D

Lab ID: LCS 240-505049/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	40.0	43.5	109	50-149	
Benzene	20.0	20.4	102	77-123	
Bromobenzene	20.0	19.3	97	80-122	
Bromochloromethane	20.0	19.2	96	71-121	
Bromodichloromethane	20.0	18.1	90	69-126	
Bromoform	20.0	17.0	85	57-129	
Bromomethane	20.0	17.9	90	36-142	
2-Butanone	40.0	40.8	102	54-156	
Carbon disulfide	20.0	19.3	97	43-140	
Carbon tetrachloride	20.0	20.1	101	55-137	
Chlorobenzene	20.0	20.1	101	80-121	
Chloroethane	20.0	19.0	95	38-152	
2-Chloroethyl vinyl ether	20.0	13.3	66	40-157	
Chloroform	20.0	19.3	97	74-122	
Chloromethane	20.0	16.1	80	47-143	
2-Chlorotoluene	20.0	19.3	97	79-124	
4-Chlorotoluene	20.0	19.3	97	80-125	
cis-1,2-Dichloroethene	20.0	19.2	96	77-123	
cis-1,3-Dichloropropene	20.0	18.4	92	64-130	
Dibromochloromethane	20.0	18.2	91	70-124	
1,2-Dibromo-3-Chloropropane	20.0	14.7	74	53-135	
1,2-Dibromoethane	20.0	20.9	104	71-134	
Dibromomethane	20.0	19.3	97	67-131	
1,2-Dichlorobenzene	20.0	18.8	94	78-120	
1,3-Dichlorobenzene	20.0	19.3	97	80-120	
1,4-Dichlorobenzene	20.0	19.8	99	80-120	
Dichlorodifluoromethane	20.0	17.8	89	34-153	
1,1-Dichloroethane	20.0	17.7	88	72-127	
1,2-Dichloroethane	20.0	19.4	97	66-128	
1,1-Dichloroethene	20.0	20.8	104	63-134	
1,2-Dichloropropane	20.0	19.8	99	75-133	
1,3-Dichloropropane	20.0	20.1	101	68-139	
2,2-Dichloropropane	20.0	12.1	60	48-142	
1,1-Dichloropropene	20.0	21.0	105	71-124	
Ethylbenzene	20.0	20.0	100	80-121	
Hexachlorobutadiene	20.0	18.9	95	37-162	
2-Hexanone	40.0	35.2	88	43-167	
Isopropylbenzene	20.0	20.0	100	74-128	
Methylene Chloride	20.0	19.6	98	71-125	
4-Methyl-2-pentanone	40.0	35.1	88	46-158	
Methyl tert-butyl ether	20.0	18.6	93	65-126	
m-Xylene & p-Xylene	20.0	19.8	99	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UXM40034.D

Lab ID: LCS 240-505049/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	20.0	15.9	79	53-138	
n-Butylbenzene	20.0	18.6	93	62-139	
n-Propylbenzene	20.0	19.5	97	76-127	
o-Xylene	20.0	19.9	100	80-123	
p-Isopropyltoluene	20.0	19.6	98	71-132	
sec-Butylbenzene	20.0	19.3	96	69-135	
Styrene	20.0	21.2	106	80-135	
tert-Butyl alcohol	200	45.3	23	33-153	*-
tert-Butylbenzene	20.0	19.3	96	64-134	
1,1,1,2-Tetrachloroethane	20.0	20.5	102	71-124	
1,1,2,2-Tetrachloroethane	20.0	19.1	95	58-157	
Tetrachloroethene	20.0	21.0	105	76-123	
Toluene	20.0	19.6	98	80-123	
trans-1,2-Dichloroethene	20.0	19.8	99	75-124	
trans-1,3-Dichloropropene	20.0	17.8	89	57-129	
1,2,3-Trichlorobenzene	20.0	16.7	84	45-149	
1,2,4-Trichlorobenzene	20.0	16.9	85	44-147	
1,1,1-Trichloroethane	20.0	19.7	99	64-131	
Trichloroethene	20.0	21.4	107	70-122	
Trichlorofluoromethane	20.0	22.9	115	30-170	
1,2,3-Trichloropropane	20.0	20.5	103	57-150	
1,1,2-Trichloro-1,2,2-trichfluoroethane	20.0	23.4	117	51-146	
1,2,4-Trimethylbenzene	20.0	19.0	95	77-129	
Vinyl acetate	20.0	19.8	99	44-145	
Vinyl chloride	20.0	17.4	87	60-144	
Xylenes, Total	40.0	39.7	99	80-121	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UXM39897.D

Lab ID: 240-156069-B-1 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Acetone	2000	500 U	2390	119	33-149	
Benzene	1000	50 U	955	96	64-128	
Bromodichloromethane	1000	50 U	868	87	62-125	
Bromoform	1000	50 U	861	86	47-125	
Bromomethane	1000	50 U	744	74	28-150	
2-Butanone	2000	500 U	2340	117	40-151	
Carbon disulfide	1000	50 U	894	89	38-140	
Carbon tetrachloride	1000	50 U	924	92	51-133	
Chlorobenzene	1000	50 U	919	92	74-121	
Chloroethane	1000	130	1030	90	10-199	
Chloroform	1000	50 U	959	96	70-122	
Chloromethane	1000	50 U	751	75	32-149	
cis-1,2-Dichloroethene	1000	50 U	958	96	66-128	
cis-1,3-Dichloropropene	1000	50 U	815	81	47-125	
Dibromochloromethane	1000	50 U	862	86	65-120	
1,2-Dibromo-3-Chloropropane	1000	100 U	847	85	41-129	
1,2-Dibromoethane	1000	50 U	1010	101	69-125	
1,2-Dichlorobenzene	1000	50 U	893	89	73-120	
1,3-Dichlorobenzene	1000	50 U	877	88	73-120	
1,4-Dichlorobenzene	1000	50 U	900	90	74-120	
Dichlorodifluoromethane	1000	50 U	792	79	38-139	
1,1-Dichloroethane	1000	1800	2970	115	68-125	
1,2-Dichloroethane	1000	50 U	980	98	63-126	
1,1-Dichloroethene	1000	50 U	1000	100	56-135	
1,2-Dichloropropane	1000	50 U	919	92	69-130	
Ethylbenzene	1000	50 U	868	87	67-127	
2-Hexanone	2000	500 U	1900	95	35-156	
Isopropylbenzene	1000	50 U	874	87	64-129	
Methylene Chloride	1000	250 U	981	98	62-129	
4-Methyl-2-pentanone	2000	500 U	1860	93	31-153	
Methyl tert-butyl ether	1000	50 U	860	86	47-134	
m-Xylene & p-Xylene	1000	100 U	884	88	71-123	
o-Xylene	1000	50 U	899	90	70-125	
Styrene	1000	50 U	978	98	70-139	
1,1,2,2-Tetrachloroethane	1000	50 U	998	100	54-145	
Tetrachloroethene	1000	50 U	926	93	62-131	
Toluene	1000	50 U	883	88	58-135	
trans-1,2-Dichloroethene	1000	50 U	947	95	56-136	
trans-1,3-Dichloropropene	1000	50 U	800	80	47-120	
1,2,4-Trichlorobenzene	1000	50 U	813	81	29-156	
1,1,1-Trichloroethane	1000	50 U	957	96	60-130	
Trichloroethene	1000	50 U	949	95	61-124	

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.: 240-156133-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UXM39897.D

Lab ID: 240-156069-B-1 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Trichlorofluoromethane	1000	50 U	985	98	24-177	
1,1,2-Trichloro-1,2,2-trichfluoroethane	1000	50 U	1010	101	41-147	
Vinyl chloride	1000	41 J	785	74	43-157	
Xylenes, Total	2000	100 U	1780	89	71-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1924255.d

Lab ID: 240-156016-E-8 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Benzene	40.0	1.9 J	38.6	92	64-128	
Carbon tetrachloride	40.0	2.0 U	35.7	89	51-133	
Chlorobenzene	40.0	200	219	59	74-121	E 4
Chloroform	40.0	2.0 U	36.4	91	70-122	
Chloromethane	40.0	2.0 U	32.6	81	32-149	
cis-1,2-Dichloroethene	40.0	2.0 U	36.0	90	66-128	
1,2-Dichlorobenzene	40.0	12	47.1	89	73-120	
1,4-Dichlorobenzene	40.0	17	50.8	84	74-120	
1,1-Dichloroethane	40.0	2.0 U	34.8	87	68-125	
1,1-Dichloroethene	40.0	2.0 U	35.7	89	56-135	
Methylene Chloride	40.0	10 U	34.4	86	62-129	
1,1,2,2-Tetrachloroethane	40.0	2.0 U	38.9	97	54-145	
Tetrachloroethene	40.0	2.0 U	38.7	97	62-131	
Toluene	40.0	2.0 U	37.4	93	58-135	
trans-1,2-Dichloroethene	40.0	2.0 U	34.1	85	56-136	
1,1,1-Trichloroethane	40.0	2.0 U	34.4	86	60-130	
Trichloroethene	40.0	2.0 U	35.3	88	61-124	
Vinyl chloride	40.0	2.0 U	35.8	90	43-157	

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.: 240-156133-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UXM39924.D

Lab ID: 240-156136-B-3 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Benzene	100	5.0 U	101	101	64-128	
Chlorobenzene	100	210	295	88	74-121	
cis-1,2-Dichloroethene	100	5.0 U	103	103	66-128	
1,2-Dichlorobenzene	100	5.0 U	92.5	92	73-120	
Ethylbenzene	100	5.0 U	95.1	95	67-127	
m-Xylene & p-Xylene	100	10 U	96.3	96	71-123	
o-Xylene	100	5.0 U	98.1	98	70-125	
Tetrachloroethene	100	5.0 U	101	101	62-131	
Toluene	100	5.0 U	95.1	95	58-135	
trans-1,2-Dichloroethene	100	5.0 U	103	103	56-136	
Trichloroethene	100	5.0 U	102	102	61-124	
Vinyl chloride	100	5.0 U	83.6	84	43-157	
Xylenes, Total	200	10 U	194	97	71-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UXM40058.D

Lab ID: 240-156590-B-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	892	111	33-149	
Benzene	400	20 U	415	104	64-128	
Bromodichloromethane	400	20 U	374	93	62-125	
Bromoform	400	20 U	340	85	47-125	
Bromomethane	400	20 U	289	72	28-150	
2-Butanone	800	200 U	829	104	40-151	
Carbon disulfide	400	20 U	377	94	38-140	
Carbon tetrachloride	400	20 U	400	100	51-133	
Chlorobenzene	400	20 U	401	100	74-121	
Chloroethane	400	20 U	342	85	10-199	
Chloroform	400	13 J	411	100	70-122	
Chloromethane	400	20 U	294	73	32-149	
cis-1,2-Dichloroethene	400	20 U	394	98	66-128	
cis-1,3-Dichloropropene	400	20 U	359	90	47-125	
Dibromochloromethane	400	20 U	373	93	65-120	
1,2-Dibromo-3-Chloropropane	400	40 U	293	73	41-129	
1,2-Dibromoethane	400	20 U	424	106	69-125	
1,2-Dichlorobenzene	400	20 U	381	95	73-120	
1,3-Dichlorobenzene	400	20 U	385	96	73-120	
1,4-Dichlorobenzene	400	20 U	391	98	74-120	
Dichlorodifluoromethane	400	20 U	287	72	38-139	
1,1-Dichloroethane	400	20 U	356	89	68-125	
1,2-Dichloroethane	400	20 U	412	103	63-126	
1,1-Dichloroethene	400	20 U	410	103	56-135	
1,2-Dichloropropane	400	20 U	408	102	69-130	
Ethylbenzene	400	20 U	385	96	67-127	
2-Hexanone	800	200 U	725	91	35-156	
Isopropylbenzene	400	20 U	385	96	64-129	
Methylene Chloride	400	100 U	406	102	62-129	
4-Methyl-2-pentanone	800	200 U	724	91	31-153	
Methyl tert-butyl ether	400	20 U	364	91	47-134	
m-Xylene & p-Xylene	400	40 U	389	97	71-123	
o-Xylene	400	20 U	391	98	70-125	
Styrene	400	20 U	419	105	70-139	
1,1,2,2-Tetrachloroethane	400	20 U	396	99	54-145	
Tetrachloroethene	400	20 U	410	102	62-131	
Toluene	400	20 U	393	98	58-135	
trans-1,2-Dichloroethene	400	20 U	396	99	56-136	
trans-1,3-Dichloropropene	400	20 U	346	87	47-120	
1,2,4-Trichlorobenzene	400	20 U	332	83	29-156	
1,1,1-Trichloroethane	400	20 U	406	102	60-130	
Trichloroethene	400	20 U	430	108	61-124	

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.: 240-156133-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UXM40058.D

Lab ID: 240-156590-B-3 MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Trichlorofluoromethane	400	20 U	388	97	24-177	
1,1,2-Trichloro-1,2,2-trichfluoroethane	400	20 U	432	108	41-147	
Vinyl chloride	400	20 U	314	79	43-157	
Xylenes, Total	800	40 U	780	98	71-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UXM39898.D

Lab ID: 240-156069-B-1 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acetone	2000	2330	117	2	34	33-149	
Benzene	1000	971	97	2	14	64-128	
Bromodichloromethane	1000	873	87	1	13	62-125	
Bromoform	1000	876	88	2	15	47-125	
Bromomethane	1000	733	73	2	26	28-150	
2-Butanone	2000	2270	114	3	20	40-151	
Carbon disulfide	1000	846	85	6	23	38-140	
Carbon tetrachloride	1000	875	88	5	24	51-133	
Chlorobenzene	1000	941	94	2	14	74-121	
Chloroethane	1000	972	84	6	30	10-199	
Chloroform	1000	926	93	3	14	70-122	
Chloromethane	1000	713	71	5	27	32-149	
cis-1,2-Dichloroethene	1000	920	92	4	14	66-128	
cis-1,3-Dichloropropene	1000	874	87	7	13	47-125	
Dibromochloromethane	1000	940	94	9	13	65-120	
1,2-Dibromo-3-Chloropropane	1000	861	86	2	22	41-129	
1,2-Dibromoethane	1000	1080	108	7	14	69-125	
1,2-Dichlorobenzene	1000	914	91	2	14	73-120	
1,3-Dichlorobenzene	1000	901	90	3	14	73-120	
1,4-Dichlorobenzene	1000	906	91	1	15	74-120	
Dichlorodifluoromethane	1000	747	75	6	35	38-139	
1,1-Dichloroethane	1000	2710	89	9	13	68-125	
1,2-Dichloroethane	1000	974	97	1	12	63-126	
1,1-Dichloroethene	1000	962	96	4	26	56-135	
1,2-Dichloropropane	1000	963	96	5	13	69-130	
Ethylbenzene	1000	895	89	3	15	67-127	
2-Hexanone	2000	2050	103	8	17	35-156	
Isopropylbenzene	1000	887	89	1	18	64-129	
Methylene Chloride	1000	956	96	3	17	62-129	
4-Methyl-2-pentanone	2000	2030	101	8	15	31-153	
Methyl tert-butyl ether	1000	880	88	2	16	47-134	
m-Xylene & p-Xylene	1000	884	88	0	16	71-123	
o-Xylene	1000	909	91	1	15	70-125	
Styrene	1000	987	99	1	18	70-139	
1,1,2,2-Tetrachloroethane	1000	1070	107	7	15	54-145	
Tetrachloroethene	1000	940	94	1	20	62-131	
Toluene	1000	917	92	4	14	58-135	
trans-1,2-Dichloroethene	1000	915	92	3	15	56-136	
trans-1,3-Dichloropropene	1000	872	87	9	14	47-120	
1,2,4-Trichlorobenzene	1000	818	82	1	19	29-156	
1,1,1-Trichloroethane	1000	926	93	3	17	60-130	
Trichloroethene	1000	985	99	4	15	61-124	

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.: 240-156133-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UXM39898.D

Lab ID: 240-156069-B-1 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Trichlorofluoromethane	1000	914	91	7	34	24-177	
1,1,2-Trichloro-1,2,2-trichfluoroethane	1000	964	96	5	35	41-147	
Vinyl chloride	1000	767	73	2	24	43-157	
Xylenes, Total	2000	1790	90	1	15	71-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: U1924256.d

Lab ID: 240-156016-E-8 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Benzene	40.0	38.5	91	0	14	64-128	
Carbon tetrachloride	40.0	35.8	89	0	24	51-133	
Chlorobenzene	40.0	218	57	0	14	74-121	E 4
Chloroform	40.0	36.5	91	0	14	70-122	
Chloromethane	40.0	32.1	80	1	27	32-149	
cis-1,2-Dichloroethene	40.0	36.3	91	1	14	66-128	
1,2-Dichlorobenzene	40.0	49.3	94	5	14	73-120	
1,4-Dichlorobenzene	40.0	52.4	88	3	15	74-120	
1,1-Dichloroethane	40.0	34.4	86	1	13	68-125	
1,1-Dichloroethene	40.0	35.6	89	0	26	56-135	
Methylene Chloride	40.0	34.2	86	1	17	62-129	
1,1,2,2-Tetrachloroethane	40.0	40.2	101	3	15	54-145	
Tetrachloroethene	40.0	38.7	97	0	20	62-131	
Toluene	40.0	37.8	95	1	14	58-135	
trans-1,2-Dichloroethene	40.0	34.1	85	0	15	56-136	
1,1,1-Trichloroethane	40.0	35.5	89	3	17	60-130	
Trichloroethene	40.0	35.1	88	0	15	61-124	
Vinyl chloride	40.0	36.1	90	1	24	43-157	

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.: 240-156133-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UXM39925.D

Lab ID: 240-156136-B-3 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Benzene	100	106	106	5	14	64-128	
Chlorobenzene	100	295	88	0	14	74-121	
cis-1,2-Dichloroethene	100	102	102	1	14	66-128	
1,2-Dichlorobenzene	100	98.5	98	6	14	73-120	
Ethylbenzene	100	101	101	6	15	67-127	
m-Xylene & p-Xylene	100	101	101	4	16	71-123	
o-Xylene	100	101	101	3	15	70-125	
Tetrachloroethene	100	106	106	5	20	62-131	
Toluene	100	101	101	6	14	58-135	
trans-1,2-Dichloroethene	100	102	102	1	15	56-136	
Trichloroethene	100	109	109	7	15	61-124	
Vinyl chloride	100	80.9	81	3	24	43-157	
Xylenes, Total	200	202	101	4	15	71-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UXM40059.D

Lab ID: 240-156590-B-3 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acetone	800	971	121	9	34	33-149	
Benzene	400	425	106	3	14	64-128	
Bromodichloromethane	400	386	96	3	13	62-125	
Bromoform	400	357	89	5	15	47-125	
Bromomethane	400	311	78	8	26	28-150	
2-Butanone	800	904	113	9	20	40-151	
Carbon disulfide	400	392	98	4	23	38-140	
Carbon tetrachloride	400	416	104	4	24	51-133	
Chlorobenzene	400	414	104	3	14	74-121	
Chloroethane	400	350	88	2	30	10-199	
Chloroform	400	423	102	3	14	70-122	
Chloromethane	400	307	77	4	27	32-149	
cis-1,2-Dichloroethene	400	406	101	3	14	66-128	
cis-1,3-Dichloropropene	400	372	93	4	13	47-125	
Dibromochloromethane	400	389	97	4	13	65-120	
1,2-Dibromo-3-Chloropropane	400	335	84	13	22	41-129	
1,2-Dibromoethane	400	442	110	4	14	69-125	
1,2-Dichlorobenzene	400	391	98	3	14	73-120	
1,3-Dichlorobenzene	400	395	99	3	14	73-120	
1,4-Dichlorobenzene	400	399	100	2	15	74-120	
Dichlorodifluoromethane	400	292	73	2	35	38-139	
1,1-Dichloroethane	400	366	91	3	13	68-125	
1,2-Dichloroethane	400	419	105	2	12	63-126	
1,1-Dichloroethene	400	435	109	6	26	56-135	
1,2-Dichloropropane	400	409	102	0	13	69-130	
Ethylbenzene	400	400	100	4	15	67-127	
2-Hexanone	800	774	97	7	17	35-156	
Isopropylbenzene	400	404	101	5	18	64-129	
Methylene Chloride	400	414	103	2	17	62-129	
4-Methyl-2-pentanone	800	752	94	4	15	31-153	
Methyl tert-butyl ether	400	378	95	4	16	47-134	
m-Xylene & p-Xylene	400	407	102	5	16	71-123	
o-Xylene	400	408	102	4	15	70-125	
Styrene	400	437	109	4	18	70-139	
1,1,2,2-Tetrachloroethane	400	414	103	5	15	54-145	
Tetrachloroethene	400	430	108	5	20	62-131	
Toluene	400	402	101	2	14	58-135	
trans-1,2-Dichloroethene	400	410	103	4	15	56-136	
trans-1,3-Dichloropropene	400	359	90	4	14	47-120	
1,2,4-Trichlorobenzene	400	349	87	5	19	29-156	
1,1,1-Trichloroethane	400	421	105	4	17	60-130	
Trichloroethene	400	448	112	4	15	61-124	

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.: 240-156133-1

SDG No.: Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: UXM40059.D

Lab ID: 240-156590-B-3 MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Trichlorofluoromethane	400	404	101	4	34	24-177	
1,1,2-Trichloro-1,2,2-trichfluoroethane	400	433	108	0	35	41-147	
Vinyl chloride	400	322	81	3	24	43-157	
Xylenes, Total	800	815	102	4	15	71-123	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab File ID: UXM39876.D Lab Sample ID: MB 240-504263/8

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

Instrument ID: A3UX16 Date Analyzed: 09/18/2021 12:18

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 240-504263/5	UXM39873.D	09/18/2021 11:04
MSA-SW37A-091421	240-156133-1	UXM39890.D	09/18/2021 18:04
MSA-SW37B-091421	240-156133-2	UXM39891.D	09/18/2021 18:29
MSA-SW37C-091421	240-156133-3	UXM39892.D	09/18/2021 18:53
MSA-SW37D-091421	240-156133-4	UXM39893.D	09/18/2021 19:18
MSA-SW38A-091421	240-156133-5	UXM39894.D	09/18/2021 19:43
MSA-SW38B-091421	240-156133-6	UXM39895.D	09/18/2021 20:07
MSA-SW38C-091421	240-156133-7	UXM39896.D	09/18/2021 20:32
	240-156069-B-1 MS	UXM39897.D	09/18/2021 20:57
	240-156069-B-1 MSD	UXM39898.D	09/18/2021 21:22

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab File ID: U1924238.d Lab Sample ID: MB 240-504290/10

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

Instrument ID: A3UX19 Date Analyzed: 09/18/2021 14:24

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 240-504290/6	U1924234.d	09/18/2021 12:55
	240-156016-E-8 MS	U1924255.d	09/18/2021 20:42
	240-156016-E-8 MSD	U1924256.d	09/18/2021 21:04
MSA-SW46A-091421	240-156133-30	U1924258.d	09/18/2021 21:48
MSA-SW47A-091421	240-156133-31	U1924259.d	09/18/2021 22:10
MSA-SW48A-091421	240-156133-32	U1924260.d	09/18/2021 22:32
MSA-SW49A-091421	240-156133-33	U1924261.d	09/18/2021 22:54

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab File ID: UXM39906.D Lab Sample ID: MB 240-504389/8

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

Instrument ID: A3UX16 Date Analyzed: 09/20/2021 12:26

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 240-504389/5	UXM39903.D	09/20/2021 11:12
MSA-SW38D-091421	240-156133-8	UXM39914.D	09/20/2021 15:44
MSA-SW40A-091421	240-156133-9	UXM39915.D	09/20/2021 16:09
MSA-SW40B-091421	240-156133-10	UXM39916.D	09/20/2021 16:34
MSA-SW40C-091421	240-156133-11	UXM39917.D	09/20/2021 16:58
MSA-SW40D-091421	240-156133-12	UXM39918.D	09/20/2021 17:23
MSA-SW41A-091421	240-156133-13	UXM39919.D	09/20/2021 17:48
MSA-SW41B-091421	240-156133-14	UXM39920.D	09/20/2021 18:13
MSA-SW41C-091421	240-156133-15	UXM39921.D	09/20/2021 18:37
MSA-SW41D-091421	240-156133-16	UXM39922.D	09/20/2021 19:02
	240-156136-B-3 MS	UXM39924.D	09/20/2021 19:51
	240-156136-B-3 MSD	UXM39925.D	09/20/2021 20:15

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab File ID: UXM40037.D Lab Sample ID: MB 240-505049/8

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

Instrument ID: A3UX16 Date Analyzed: 09/23/2021 13:18

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 240-505049/5	UXM40034.D	09/23/2021 12:04
MSA-SW42A-091421	240-156133-17	UXM40039.D	09/23/2021 14:07
MSA-SW42B-091421	240-156133-18	UXM40040.D	09/23/2021 14:31
MSA-SW42C-091421	240-156133-19	UXM40041.D	09/23/2021 14:55
MSA-SW42D-091421	240-156133-20	UXM40042.D	09/23/2021 15:19
MSA-SW43A-091421	240-156133-21	UXM40043.D	09/23/2021 15:43
MSA-SW43B-091421	240-156133-22	UXM40044.D	09/23/2021 16:08
MSA-SW43C-091421	240-156133-23	UXM40045.D	09/23/2021 16:32
MSA-SW43D-091421	240-156133-24	UXM40046.D	09/23/2021 16:56
MSA-SW44A-091421	240-156133-25	UXM40047.D	09/23/2021 17:21
MSA-SW44B-091421	240-156133-26	UXM40048.D	09/23/2021 17:45
MSA-SW44C-091421	240-156133-27	UXM40049.D	09/23/2021 18:10
MSA-SW44D-091421	240-156133-28	UXM40050.D	09/23/2021 18:35
TB-091421	240-156133-29	UXM40051.D	09/23/2021 18:59
	240-156590-B-3 MS	UXM40058.D	09/23/2021 21:52
	240-156590-B-3 MSD	UXM40059.D	09/23/2021 22:17

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab File ID: BFB1369.D BFB Injection Date: 09/18/2021

Instrument ID: A3UX16 BFB Injection Time: 09:50

Analysis Batch No.: 504263

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.5	
75	30.0 - 60.0 % of mass 95	48.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.6	(0.8) 1
174	Greater than 50% of mass 95	74.4	
175	5.0 - 9.0 % of mass 174	5.3	(7.2) 1
176	95.0 - 101.0 % of mass 174	71.2	(95.7) 1
177	5.0 - 9.0 % of mass 176	4.8	(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
	CCVIS 240-504263/3	UXM39871.D	09/18/2021	10:15
	CCV 240-504263/4	UXM39872.D	09/18/2021	10:39
	LCS 240-504263/5	UXM39873.D	09/18/2021	11:04
	MB 240-504263/8	UXM39876.D	09/18/2021	12:18
MSA-SW37A-091421	240-156133-1	UXM39890.D	09/18/2021	18:04
MSA-SW37B-091421	240-156133-2	UXM39891.D	09/18/2021	18:29
MSA-SW37C-091421	240-156133-3	UXM39892.D	09/18/2021	18:53
MSA-SW37D-091421	240-156133-4	UXM39893.D	09/18/2021	19:18
MSA-SW38A-091421	240-156133-5	UXM39894.D	09/18/2021	19:43
MSA-SW38B-091421	240-156133-6	UXM39895.D	09/18/2021	20:07
MSA-SW38C-091421	240-156133-7	UXM39896.D	09/18/2021	20:32
	240-156069-B-1 MS	UXM39897.D	09/18/2021	20:57
	240-156069-B-1 MSD	UXM39898.D	09/18/2021	21:22

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab File ID: BFB1370.D BFB Injection Date: 09/20/2021

Instrument ID: A3UX16 BFB Injection Time: 09:58

Analysis Batch No.: 504389

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.9	
75	30.0 - 60.0 % of mass 95	48.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.5	(0.7) 1
174	Greater than 50% of mass 95	75.8	
175	5.0 - 9.0 % of mass 174	5.6	(7.5) 1
176	95.0 - 101.0 % of mass 174	72.5	(95.7) 1
177	5.0 - 9.0 % of mass 176	4.9	(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
	CCVIS 240-504389/3	UXM39901.D	09/20/2021	10:23
	CCV 240-504389/4	UXM39902.D	09/20/2021	10:47
	LCS 240-504389/5	UXM39903.D	09/20/2021	11:12
	MB 240-504389/8	UXM39906.D	09/20/2021	12:26
MSA-SW38D-091421	240-156133-8	UXM39914.D	09/20/2021	15:44
MSA-SW40A-091421	240-156133-9	UXM39915.D	09/20/2021	16:09
MSA-SW40B-091421	240-156133-10	UXM39916.D	09/20/2021	16:34
MSA-SW40C-091421	240-156133-11	UXM39917.D	09/20/2021	16:58
MSA-SW40D-091421	240-156133-12	UXM39918.D	09/20/2021	17:23
MSA-SW41A-091421	240-156133-13	UXM39919.D	09/20/2021	17:48
MSA-SW41B-091421	240-156133-14	UXM39920.D	09/20/2021	18:13
MSA-SW41C-091421	240-156133-15	UXM39921.D	09/20/2021	18:37
MSA-SW41D-091421	240-156133-16	UXM39922.D	09/20/2021	19:02
	240-156136-B-3 MS	UXM39924.D	09/20/2021	19:51
	240-156136-B-3 MSD	UXM39925.D	09/20/2021	20:15

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab File ID: BFB1373.D BFB Injection Date: 09/23/2021

Instrument ID: A3UX16 BFB Injection Time: 10:50

Analysis Batch No.: 505049

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.7	
75	30.0 - 60.0 % of mass 95	48.1	
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	0.5	(0.7) 1
174	Greater than 50% of mass 95	75.2	
175	5.0 - 9.0 % of mass 174	5.4	(7.1) 1
176	95.0 - 101.0 % of mass 174	71.9	(95.7) 1
177	5.0 - 9.0 % of mass 176	4.6	(6.4) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-505049/3	UXM40032.D	09/23/2021	11:14
	CCV 240-505049/4	UXM40033.D	09/23/2021	11:39
	LCS 240-505049/5	UXM40034.D	09/23/2021	12:04
	MB 240-505049/8	UXM40037.D	09/23/2021	13:18
MSA-SW42A-091421	240-156133-17	UXM40039.D	09/23/2021	14:07
MSA-SW42B-091421	240-156133-18	UXM40040.D	09/23/2021	14:31
MSA-SW42C-091421	240-156133-19	UXM40041.D	09/23/2021	14:55
MSA-SW42D-091421	240-156133-20	UXM40042.D	09/23/2021	15:19
MSA-SW43A-091421	240-156133-21	UXM40043.D	09/23/2021	15:43
MSA-SW43B-091421	240-156133-22	UXM40044.D	09/23/2021	16:08
MSA-SW43C-091421	240-156133-23	UXM40045.D	09/23/2021	16:32
MSA-SW43D-091421	240-156133-24	UXM40046.D	09/23/2021	16:56
MSA-SW44A-091421	240-156133-25	UXM40047.D	09/23/2021	17:21
MSA-SW44B-091421	240-156133-26	UXM40048.D	09/23/2021	17:45
MSA-SW44C-091421	240-156133-27	UXM40049.D	09/23/2021	18:10
MSA-SW44D-091421	240-156133-28	UXM40050.D	09/23/2021	18:35
TB-091421	240-156133-29	UXM40051.D	09/23/2021	18:59
	240-156590-B-3 MS	UXM40058.D	09/23/2021	21:52
	240-156590-B-3 MSD	UXM40059.D	09/23/2021	22:17

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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.: 240-156133-1

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.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab File ID: bfb905.d BFB Injection Date: 08/27/2021

Instrument ID: A3UX19 BFB Injection Time: 16:03

Analysis Batch No.: 501424

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.9	
75	30.0 - 60.0 % of mass 95	53.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	91.6	
175	5.0 - 9.0 % of mass 174	7.9	(8.6) 1
176	95.0 - 101.0 % of mass 174	88.9	(97.0) 1
177	5.0 - 9.0 % of mass 176	5.7	(6.4) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD 240-501424/9	U1923841.d	08/27/2021	17:57
	STD 240-501424/10	U1923842.d	08/27/2021	18:19
	STD 240-501424/11	U1923843.d	08/27/2021	18:41
	STD 240-501424/12	U1923844.d	08/27/2021	19:04
	STD 240-501424/13	U1923845.d	08/27/2021	19:26
	STD 240-501424/14	U1923846.d	08/27/2021	19:48
	ICV 240-501424/15	U1923847.d	08/27/2021	20:11

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab File ID: bfb922.d BFB Injection Date: 09/18/2021

Instrument ID: A3UX19 BFB Injection Time: 11:26

Analysis Batch No.: 504290

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	52.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	91.7	
175	5.0 - 9.0 % of mass 174	7.6	(8.3) 1
176	95.0 - 101.0 % of mass 174	87.9	(95.9) 1
177	5.0 - 9.0 % of mass 176	5.8	(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 240-504290/3	U1924231.d	09/18/2021	11:48
	CCVIS 240-504290/4	U1924232.d	09/18/2021	12:10
	CCV 240-504290/5	U1924233.d	09/18/2021	12:33
	LCS 240-504290/6	U1924234.d	09/18/2021	12:55
	MB 240-504290/10	U1924238.d	09/18/2021	14:24
	240-156016-E-8 MS	U1924255.d	09/18/2021	20:42
	240-156016-E-8 MSD	U1924256.d	09/18/2021	21:04
MSA-SW46A-091421	240-156133-30	U1924258.d	09/18/2021	21:48
MSA-SW47A-091421	240-156133-31	U1924259.d	09/18/2021	22:10
MSA-SW48A-091421	240-156133-32	U1924260.d	09/18/2021	22:32
MSA-SW49A-091421	240-156133-33	U1924261.d	09/18/2021	22:54

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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 240-504263/3		1238472	5.85	968393	8.56	545770	10.84
CCVIS 240-504389/3		1271424	5.85	1022334	8.56	603358	10.84
CCVIS 240-505049/3		1468487	5.85	1160893	8.56	679613	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.: 240-156133-1

SDG No.: Frog Mortar Creek

Sample No.: CCVIS 240-504263/3 Date Analyzed: 09/18/2021 10:15

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXM39871.D Heated Purge: (Y/N) N

Calibration ID: 61161

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1238472	5.85	968393	8.56	545770	10.84
UPPER LIMIT		2476944	6.35	1936786	9.06	1091540	11.34
LOWER LIMIT		619236	5.35	484197	8.06	272885	10.34
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-504263/4		1230862	5.85	963473	8.56	534986	10.84
LCS 240-504263/5		1219182	5.85	968157	8.56	552235	10.84
MB 240-504263/8		1088204	5.85	872268	8.56	516132	10.84
240-156133-1	MSA-SW37A-091421	1117090	5.85	880682	8.56	494299	10.84
240-156133-2	MSA-SW37B-091421	1161557	5.83	915873	8.56	499982	10.84
240-156133-3	MSA-SW37C-091421	1119867	5.85	885496	8.56	494086	10.84
240-156133-4	MSA-SW37D-091421	1115028	5.83	887155	8.56	491043	10.84
240-156133-5	MSA-SW38A-091421	1140219	5.85	883578	8.56	494433	10.84
240-156133-6	MSA-SW38B-091421	1147731	5.83	905342	8.56	496447	10.84
240-156133-7	MSA-SW38C-091421	1095317	5.85	864507	8.56	492274	10.84
240-156069-B-1 MS		1140604	5.85	918500	8.56	535643	10.84
240-156069-B-1 MSD		1246045	5.83	979066	8.56	543554	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.: 240-156133-1

SDG No.: Frog Mortar Creek

Sample No.: CCVIS 240-504389/3 Date Analyzed: 09/20/2021 10:23

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXM39901.D Heated Purge: (Y/N) N

Calibration ID: 61161

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1271424	5.85	1022334	8.56	603358	10.84
UPPER LIMIT		2542848	6.35	2044668	9.06	1206716	11.34
LOWER LIMIT		635712	5.35	511167	8.06	301679	10.34
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-504389/4		1418161	5.85	1110911	8.56	604698	10.84
LCS 240-504389/5		1425444	5.85	1117099	8.56	624166	10.84
MB 240-504389/8		1322082	5.83	1042435	8.56	585237	10.84
240-156133-8	MSA-SW38D-091421	1287683	5.85	1006848	8.56	567897	10.84
240-156133-9	MSA-SW40A-091421	1168102	5.85	955134	8.56	561691	10.84
240-156133-10	MSA-SW40B-091421	1258665	5.83	1005934	8.56	568329	10.84
240-156133-11	MSA-SW40C-091421	1213593	5.85	953696	8.56	563872	10.84
240-156133-12	MSA-SW40D-091421	1113395	5.85	918528	8.56	559156	10.84
240-156133-13	MSA-SW41A-091421	1141168	5.85	930455	8.56	541332	10.84
240-156133-14	MSA-SW41B-091421	1067849	5.85	882822	8.56	531323	10.84
240-156133-15	MSA-SW41C-091421	1013596	5.85	837342	8.56	526335	10.84
240-156133-16	MSA-SW41D-091421	1147151	5.85	913619	8.56	523892	10.84
240-156136-B-3 MS		1173701	5.85	952136	8.56	560689	10.84
240-156136-B-3 MSD		1289930	5.85	1016335	8.56	583088	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.: 240-156133-1

SDG No.: Frog Mortar Creek

Sample No.: CCVIS 240-505049/3 Date Analyzed: 09/23/2021 11:14

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXM40032.D Heated Purge: (Y/N) N

Calibration ID: 61161

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1468487	5.85	1160893	8.56	679613	10.84
UPPER LIMIT		2936974	6.35	2321786	9.06	1359226	11.34
LOWER LIMIT		734244	5.35	580447	8.06	339807	10.34
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-505049/4		1473862	5.85	1182761	8.56	632845	10.84
LCS 240-505049/5		1407941	5.85	1125811	8.56	635920	10.84
MB 240-505049/8		1245999	5.85	1014508	8.56	591216	10.84
240-156133-17	MSA-SW42A-091421	1271678	5.85	1017053	8.56	564478	10.84
240-156133-18	MSA-SW42B-091421	971552	5.85	853371	8.56	535701	10.84
240-156133-19	MSA-SW42C-091421	1124021	5.85	921654	8.56	532746	10.84
240-156133-20	MSA-SW42D-091421	990633	5.85	860575	8.56	535423	10.84
240-156133-21	MSA-SW43A-091421	1198002	5.85	974696	8.56	548029	10.84
240-156133-22	MSA-SW43B-091421	1018052	5.85	871282	8.56	536606	10.84
240-156133-23	MSA-SW43C-091421	1140744	5.85	943312	8.56	555159	10.84
240-156133-24	MSA-SW43D-091421	1144090	5.85	951102	8.56	578778	10.84
240-156133-25	MSA-SW44A-091421	1121745	5.85	942697	8.56	556337	10.84
240-156133-26	MSA-SW44B-091421	1091805	5.85	927375	8.56	566412	10.84
240-156133-27	MSA-SW44C-091421	1191301	5.85	987357	8.56	590102	10.84
240-156133-28	MSA-SW44D-091421	1265968	5.85	1017081	8.56	554450	10.84
240-156133-29	TB-091421	1204610	5.85	973958	8.56	550930	10.84
240-156590-B-3 MS		1341621	5.85	1080128	8.56	606908	10.84
240-156590-B-3 MSD		1372740	5.85	1102199	8.56	628341	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.: 240-156133-1

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 240-504290/4		811058	5.94	594048	8.45	329724	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.: 240-156133-1

SDG No.: Frog Mortar Creek

Sample No.: CCVIS 240-504290/4 Date Analyzed: 09/18/2021 12:10

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): U1924232.d Heated Purge: (Y/N) N

Calibration ID: 62590

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		811058	5.94	594048	8.45	329724	10.59
UPPER LIMIT		1622116	6.44	1188096	8.95	659448	11.09
LOWER LIMIT		405529	5.44	297024	7.95	164862	10.09
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-504290/5		761706	5.94	574369	8.45	294364	10.59
LCS 240-504290/6		822927	5.94	610988	8.45	358482	10.59
MB 240-504290/10		730060	5.94	541791	8.45	280007	10.59
240-156016-E-8 MS		771982	5.94	570894	8.46	329227	10.59
240-156016-E-8 MSD		790836	5.94	581352	8.45	327855	10.59
240-156133-30	MSA-SW46A-091421	710914	5.94	531781	8.45	279800	10.59
240-156133-31	MSA-SW47A-091421	705717	5.94	526953	8.45	269726	10.59
240-156133-32	MSA-SW48A-091421	691011	5.94	510435	8.46	262749	10.59
240-156133-33	MSA-SW49A-091421	687633	5.94	514571	8.46	266324	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 I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37A-091421 Lab Sample ID: 240-156133-1

Matrix: Water Lab File ID: UXM39890.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:50

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 18:04

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37A-091421 Lab Sample ID: 240-156133-1

Matrix: Water Lab File ID: UXM39890.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:50

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 18:04

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37A-091421 Lab Sample ID: 240-156133-1

Matrix: Water Lab File ID: UXM39890.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:50

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 18:04

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		56-136
1868-53-7	Dibromofluoromethane (Surr)	93		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		62-137
2037-26-5	Toluene-d8 (Surr)	94		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37A-091421 Lab Sample ID: 240-156133-1

Matrix: Water Lab File ID: UXM39890.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:50

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 18:04

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37A-091421 Lab Sample ID: 240-156133-1

Matrix: Water Lab File ID: UXM39890.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:50

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 18:04

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 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\20210918-113269.b\UXM39890.D
Lims ID: 240-156133-B-1
Client ID: MSA-SW37A-091421
Sample Type: Client
Inject. Date: 18-Sep-2021 18:04:30 ALS Bottle#: 22 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113269-022
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 07:57:04 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: CTX1626

First Level Reviewer: bosworthh Date: 20-Sep-2021 07:57:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.846	5.846	0.000	99	1117090	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	880682	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	494299	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.264	5.264	0.000	94	285375	21.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	97	343607	21.5	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1145813	21.3	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	87	465037	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		3.782				ND	
31 Methyl tert-butyl ether	73		3.936				ND	
32 trans-1,2-Dichloroethene	96		3.948				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		6.604				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_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

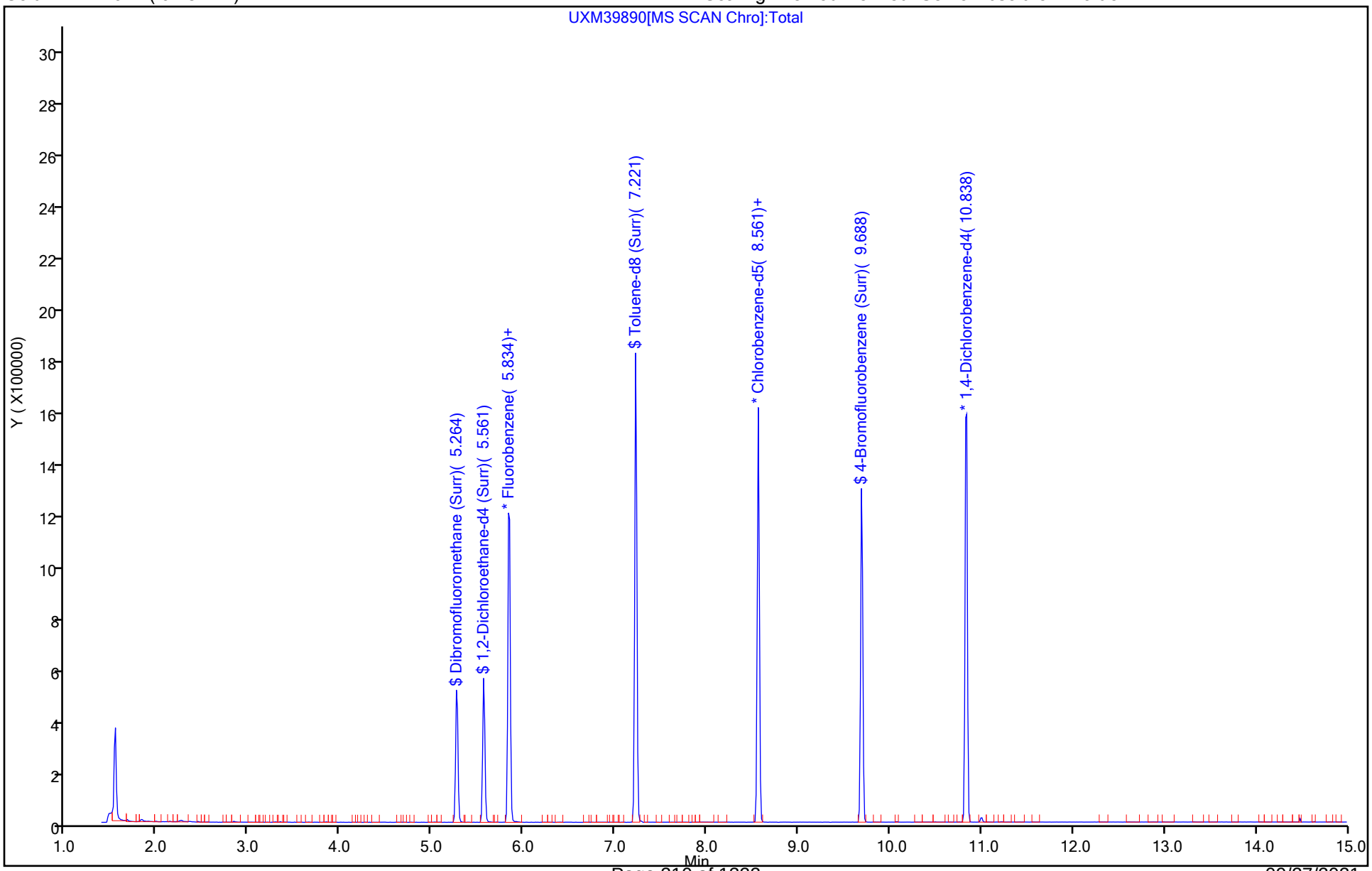
Report Date: 20-Sep-2021 07:57:45 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\UXM39890.D

Injection Date:	18-Sep-2021 18:04:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156133-B-1	Lab Sample ID:	240-156133-1	Worklist Smp#:	22
Client ID:	MSA-SW37A-091421				
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\20210918-113269.b\UXM39890.D
Lims ID: 240-156133-B-1
Client ID: MSA-SW37A-091421
Sample Type: Client
Inject. Date: 18-Sep-2021 18:04:30 ALS Bottle#: 22 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113269-022
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 07:57:04 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: CTX1626

First Level Reviewer: bosworthh Date: 20-Sep-2021 07:57:44

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	21.0	92.81
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	21.5	94.65
$ 6 Toluene-d8 (Surr)	22.7	21.3	94.10
$ 7 4-Bromofluorobenzene (Surr)	22.7	22.5	99.31

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37B-091421 Lab Sample ID: 240-156133-2

Matrix: Water Lab File ID: UXM39891.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:53

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 18:29

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.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37B-091421 Lab Sample ID: 240-156133-2

Matrix: Water Lab File ID: UXM39891.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:53

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 18:29

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.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37B-091421 Lab Sample ID: 240-156133-2

Matrix: Water Lab File ID: UXM39891.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:53

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 18:29

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.: 504263 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		56-136
1868-53-7	Dibromofluoromethane (Surr)	90		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37B-091421 Lab Sample ID: 240-156133-2

Matrix: Water Lab File ID: UXM39891.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:53

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 18:29

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.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37B-091421 Lab Sample ID: 240-156133-2

Matrix: Water Lab File ID: UXM39891.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:53

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 18:29

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.: 504263 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\20210918-113269.b\UXM39891.D
Lims ID: 240-156133-B-2
Client ID: MSA-SW37B-091421
Sample Type: Client
Inject. Date: 18-Sep-2021 18:29:30 ALS Bottle#: 23 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113269-023
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 07:57:04 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: CTX1626

First Level Reviewer: bosworthh Date: 20-Sep-2021 07:58:05

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.834	5.846	-0.012	99	1161557	20.0	
*	2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	915873	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	95	499982	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.265	5.264	0.001	94	286311	20.3	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	350150	21.0	
$	6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1174171	21.0	
$	7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	86	475471	22.1	
	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		3.782				ND	
	31 Methyl tert-butyl ether	73		3.936				ND	
	32 trans-1,2-Dichloroethene	96		3.948				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		6.604				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_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

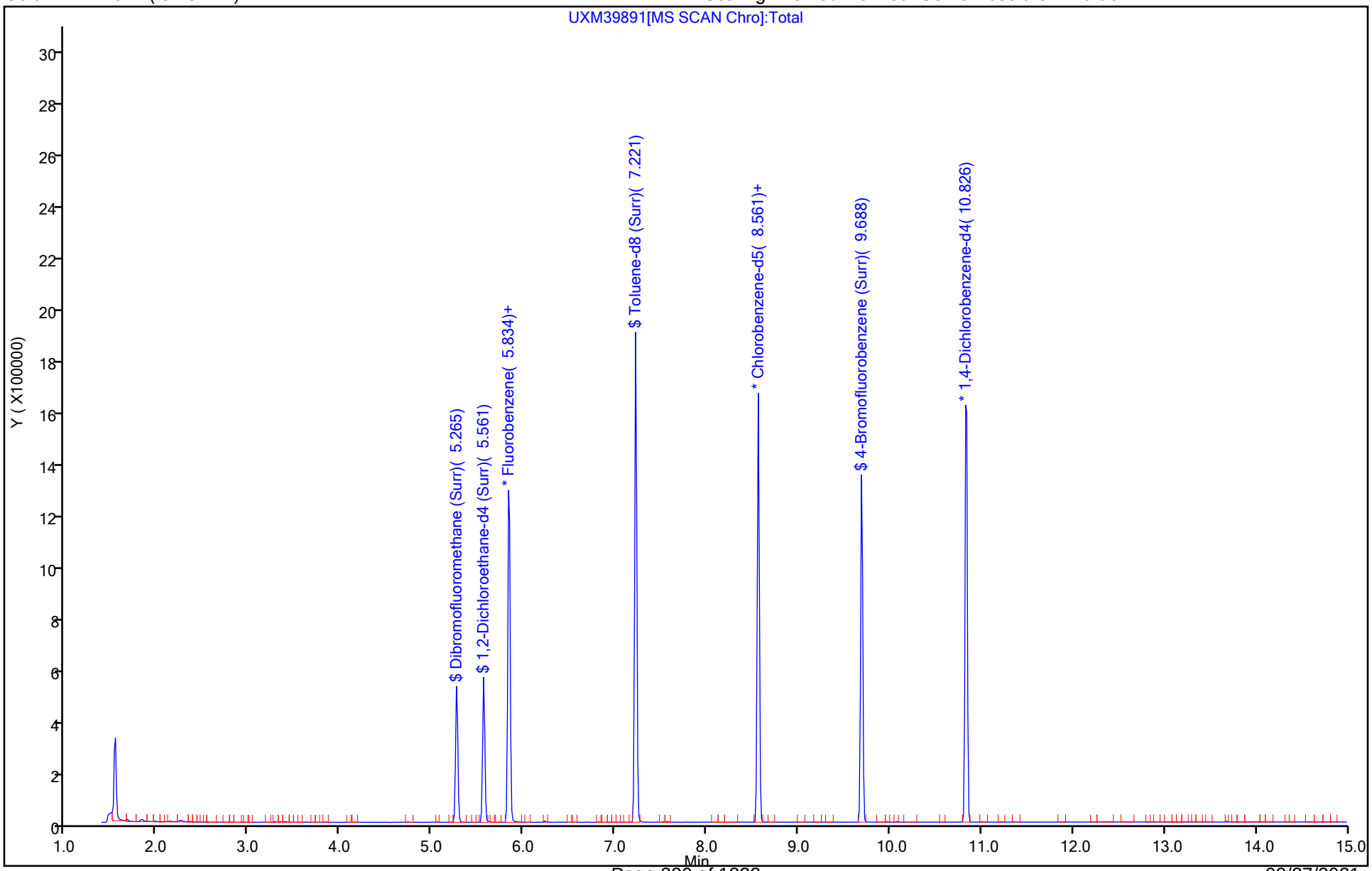
Report Date: 20-Sep-2021 07:58:06 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\UXM39891.D

Injection Date:	18-Sep-2021 18:29:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156133-B-2	Lab Sample ID:	240-156133-2	Worklist Smp#:	23
Client ID:	MSA-SW37B-091421				
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
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\UXM39891.D
Lims ID: 240-156133-B-2
Client ID: MSA-SW37B-091421
Sample Type: Client
Inject. Date: 18-Sep-2021 18:29:30 ALS Bottle#: 23 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113269-023
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 07:57:04 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: CTX1626

First Level Reviewer: bosworthh Date: 20-Sep-2021 07:58:05

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	20.3	89.55
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	21.0	92.76
$ 6 Toluene-d8 (Surr)	22.7	21.0	92.72
$ 7 4-Bromofluorobenzene (Surr)	22.7	22.1	97.64

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37C-091421 Lab Sample ID: 240-156133-3

Matrix: Water Lab File ID: UXM39892.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:55

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 18:53

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.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37C-091421 Lab Sample ID: 240-156133-3

Matrix: Water Lab File ID: UXM39892.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:55

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 18:53

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.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37C-091421 Lab Sample ID: 240-156133-3

Matrix: Water Lab File ID: UXM39892.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:55

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 18:53

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.: 504263 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		56-136
1868-53-7	Dibromofluoromethane (Surr)	95		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		62-137
2037-26-5	Toluene-d8 (Surr)	94		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37C-091421 Lab Sample ID: 240-156133-3

Matrix: Water Lab File ID: UXM39892.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:55

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 18:53

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.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37C-091421 Lab Sample ID: 240-156133-3

Matrix: Water Lab File ID: UXM39892.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:55

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 18:53

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.: 504263 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\20210918-113269.b\UXM39892.D
Lims ID: 240-156133-B-3
Client ID: MSA-SW37C-091421
Sample Type: Client
Inject. Date: 18-Sep-2021 18:53:30 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113269-024
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 07:58:36 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: CTX1626

First Level Reviewer: bosworthh Date: 20-Sep-2021 07:58:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.845	5.846	-0.001	99	1119867	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	885496	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	494086	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.264	5.264	0.000	94	291553	21.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	345161	21.5	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	92	1156291	21.4	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	90	465236	22.4	
9 Dichlorodifluoromethane	85		1.707				ND	
10 Chloromethane	50		1.897				ND	U
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		3.782				ND	
31 Methyl tert-butyl ether	73		3.936				ND	
32 trans-1,2-Dichloroethene	96		3.948				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		6.604				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

Review Flags

U - Marked Undetected

Reagents:

vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

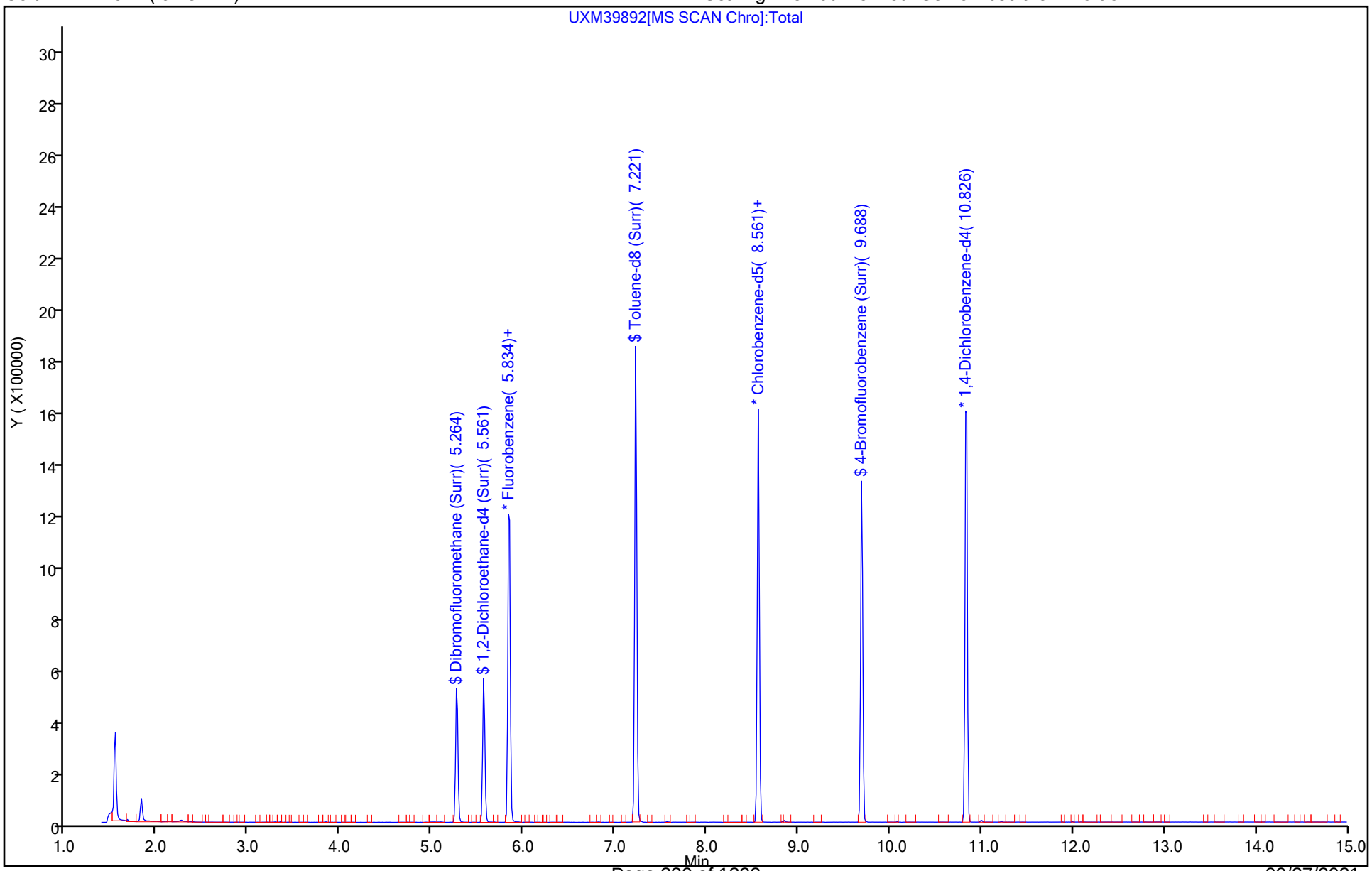
Report Date: 20-Sep-2021 07:58:36 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\UXM39892.D

Injection Date:	18-Sep-2021 18:53:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156133-B-3	Lab Sample ID:	240-156133-3	Worklist Smp#:	24
Client ID:	MSA-SW37C-091421				
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
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\UXM39892.D
Lims ID: 240-156133-B-3
Client ID: MSA-SW37C-091421
Sample Type: Client
Inject. Date: 18-Sep-2021 18:53:30 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113269-024
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 07:58:36 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: CTX1626

First Level Reviewer: bosworthh Date: 20-Sep-2021 07:58:36

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	21.5	94.58
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	21.5	94.84
$ 6 Toluene-d8 (Surr)	22.7	21.4	94.44
$ 7 4-Bromofluorobenzene (Surr)	22.7	22.4	98.81

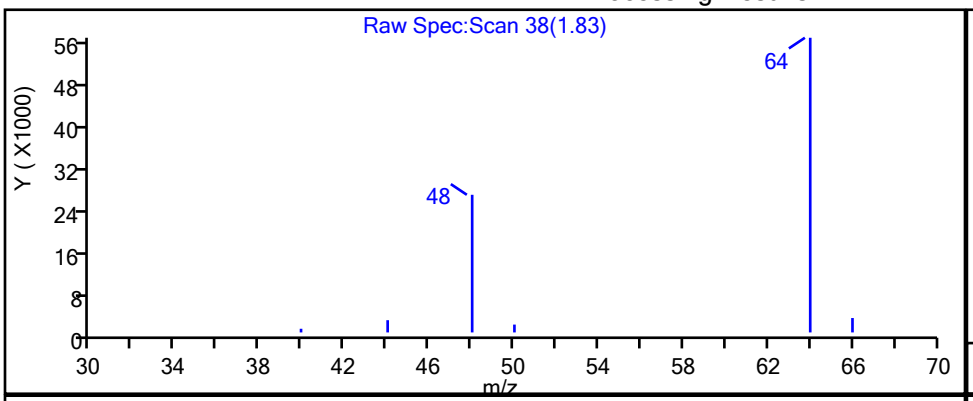
User Disabled Compound Report

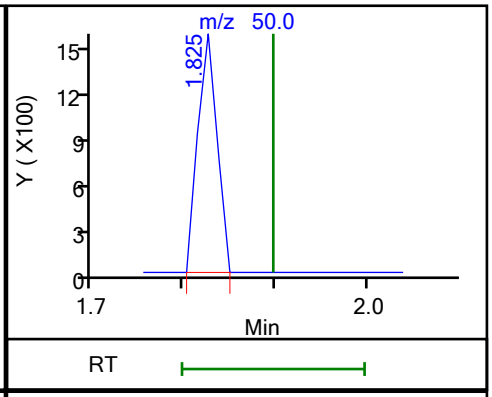
Eurofins TestAmerica, Canton

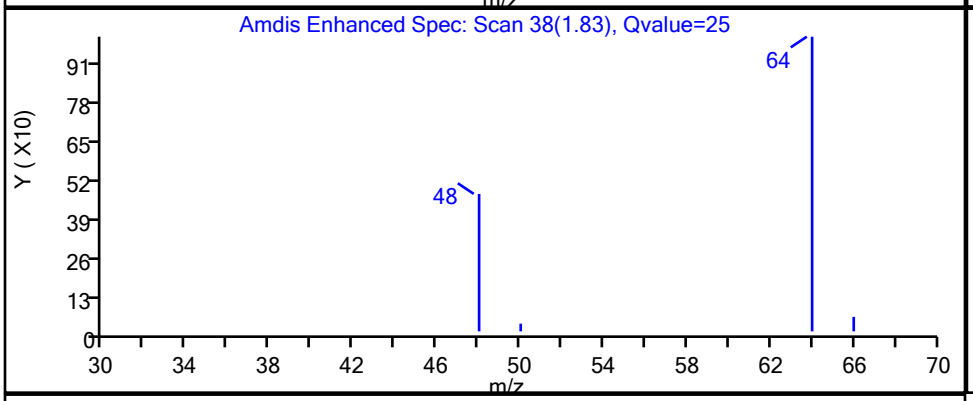
Data File:	\\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\UXM39892.D				
Injection Date:	18-Sep-2021 18:53:30	Instrument ID:	A3UX16		
Lims ID:	240-156133-B-3	Lab Sample ID:	240-156133-3		
Client ID:	MSA-SW37C-091421				
Operator ID:	001765	ALS Bottle#:	24	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_16	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

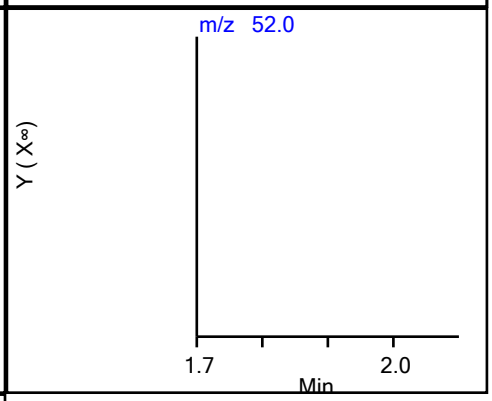
10 Chloromethane, CAS: 74-87-3

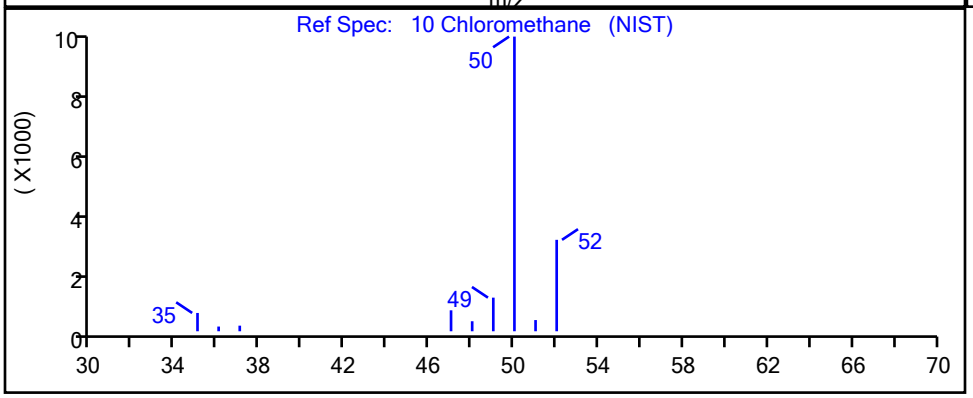
Processing Results











RT	Mass	Response	Amount
1.83	50.00	2203	0.106016
1.90	52.00	0	

Reviewer: bosworthh, 20-Sep-2021 07:58:25

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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37D-091421 Lab Sample ID: 240-156133-4

Matrix: Water Lab File ID: UXM39893.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:58

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 19:18

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37D-091421 Lab Sample ID: 240-156133-4

Matrix: Water Lab File ID: UXM39893.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:58

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 19:18

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37D-091421 Lab Sample ID: 240-156133-4

Matrix: Water Lab File ID: UXM39893.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:58

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 19:18

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 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		56-136
1868-53-7	Dibromofluoromethane (Surr)	99		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		62-137
2037-26-5	Toluene-d8 (Surr)	100		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37D-091421 Lab Sample ID: 240-156133-4

Matrix: Water Lab File ID: UXM39893.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:58

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 19:18

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW37D-091421 Lab Sample ID: 240-156133-4

Matrix: Water Lab File ID: UXM39893.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:58

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 19:18

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 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\20210918-113269.b\UXM39893.D
Lims ID: 240-156133-B-4
Client ID: MSA-SW37D-091421
Sample Type: Client
Inject. Date: 18-Sep-2021 19:18:30 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113269-025
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 07:59:14 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: CTX1626

First Level Reviewer: bosworthh Date: 20-Sep-2021 07:59:14

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.834	5.846	-0.012	99	1115028	20.0	
*	2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	887155	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	95	491043	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.265	5.264	0.001	93	302887	22.4	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	367193	23.0	
$	6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1224871	22.6	
$	7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	87	497518	23.9	
	9 Dichlorodifluoromethane	85		1.707				ND	
	10 Chloromethane	50		1.897				ND	U
	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		3.782				ND	
	31 Methyl tert-butyl ether	73		3.936				ND	
	32 trans-1,2-Dichloroethene	96		3.948				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		6.604				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

Review Flags

U - Marked Undetected

Reagents:

vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

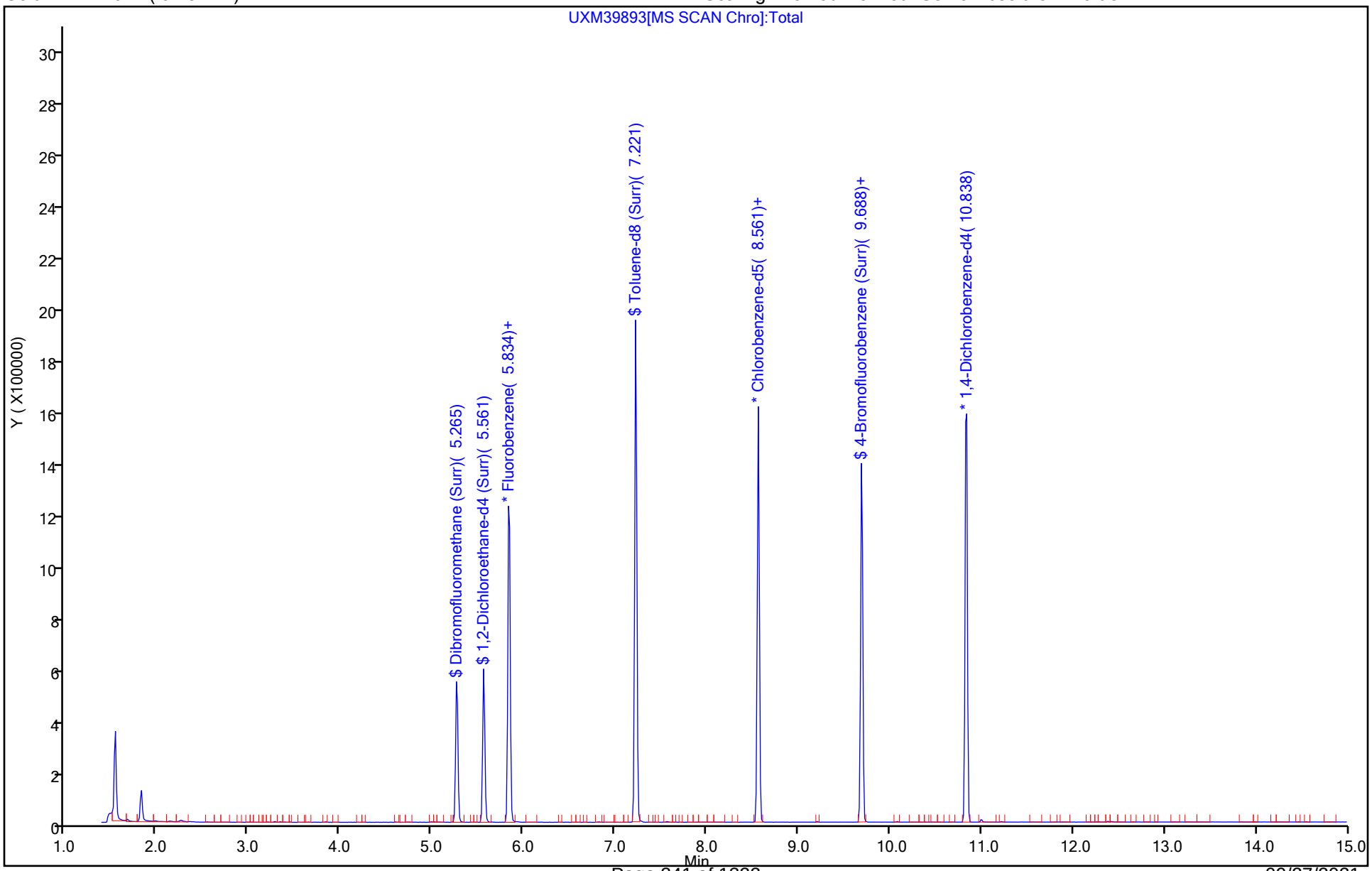
Report Date: 20-Sep-2021 07:59:15 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\UXM39893.D

Injection Date:	18-Sep-2021 19:18:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156133-B-4	Lab Sample ID:	240-156133-4	Worklist Smp#:	25
Client ID:	MSA-SW37D-091421				
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
Recovery Report

Data File:	\\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\UXM39893.D				
Lims ID:	240-156133-B-4				
Client ID:	MSA-SW37D-091421				
Sample Type:	Client				
Inject. Date:	18-Sep-2021 19:18:30	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0113269-025				
Operator ID:	001765	Instrument ID:	A3UX16		
Method:	\\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\8260_16.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	20-Sep-2021 07:59:14	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:	CTX1626				

First Level Reviewer: bosworthh Date: 20-Sep-2021 07:59:14

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	22.4	98.68
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	23.0	101.34
$ 6 Toluene-d8 (Surr)	22.7	22.6	99.86
$ 7 4-Bromofluorobenzene (Surr)	22.7	23.9	105.47

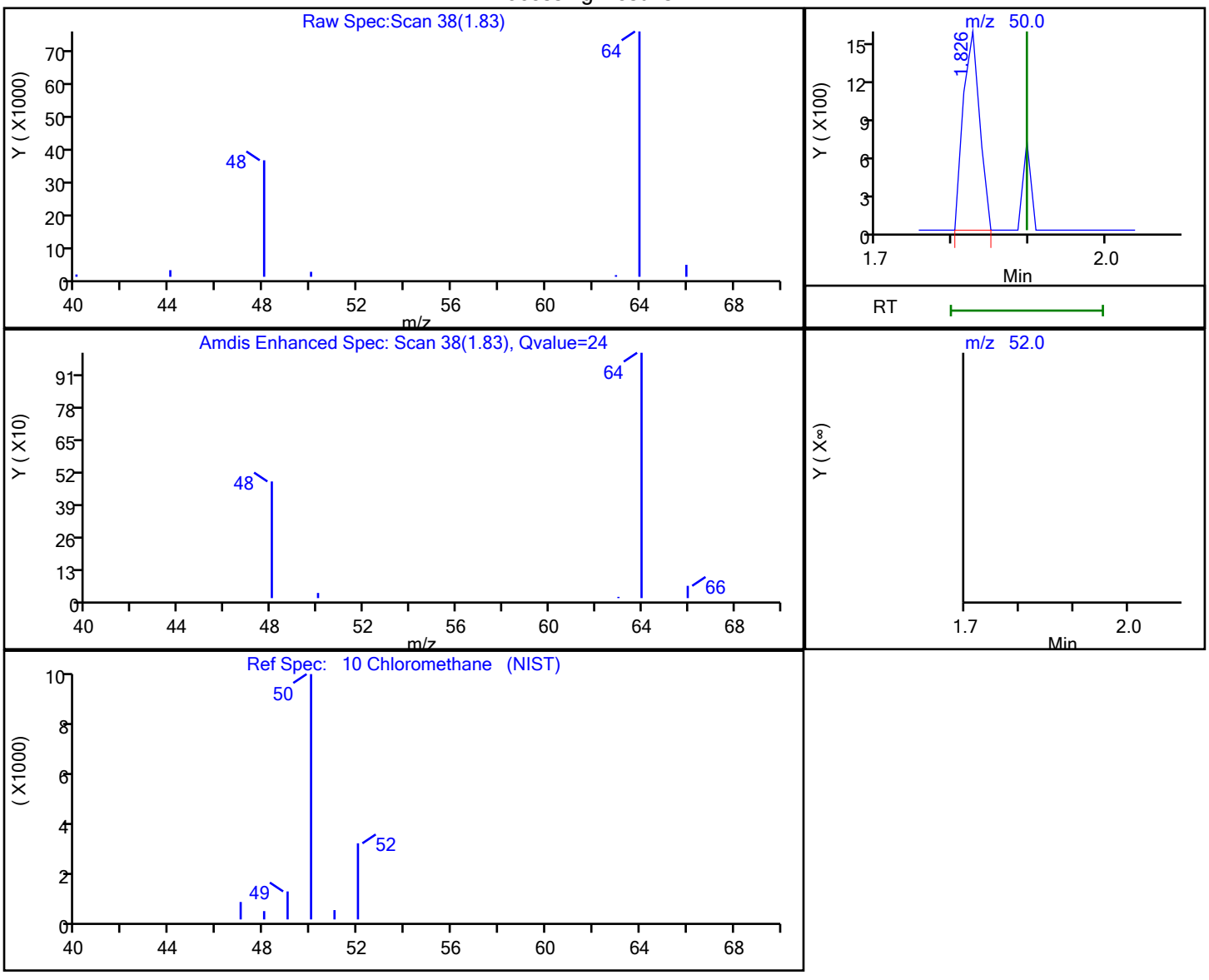
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\UXM39893.D				
Injection Date:	18-Sep-2021 19:18:30	Instrument ID:	A3UX16		
Lims ID:	240-156133-B-4	Lab Sample ID:	240-156133-4		
Client ID:	MSA-SW37D-091421				
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		

10 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
1.83	50.00	2302	0.111261
1.90	52.00	0	

Reviewer: bosworthh, 20-Sep-2021 07:58:55

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38A-091421 Lab Sample ID: 240-156133-5

Matrix: Water Lab File ID: UXM39894.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:07

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 19:43

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38A-091421 Lab Sample ID: 240-156133-5

Matrix: Water Lab File ID: UXM39894.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:07

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 19:43

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38A-091421 Lab Sample ID: 240-156133-5

Matrix: Water Lab File ID: UXM39894.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:07

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 19:43

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		56-136
1868-53-7	Dibromofluoromethane (Surr)	91		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		62-137
2037-26-5	Toluene-d8 (Surr)	95		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38A-091421 Lab Sample ID: 240-156133-5

Matrix: Water Lab File ID: UXM39894.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:07

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 19:43

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38A-091421 Lab Sample ID: 240-156133-5

Matrix: Water Lab File ID: UXM39894.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:07

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 19:43

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 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\20210918-113269.b\UXM39894.D
Lims ID: 240-156133-B-5
Client ID: MSA-SW38A-091421
Sample Type: Client
Inject. Date: 18-Sep-2021 19:43:30 ALS Bottle#: 26 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113269-026
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 07:59:14 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: CTX1626

First Level Reviewer: bosworthh Date: 20-Sep-2021 07:59:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.845	5.846	-0.001	100	1140219	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	883578	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	95	494433	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.264	5.264	0.000	94	285087	20.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	354356	21.7	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1163732	21.6	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	87	470597	22.7	
9 Dichlorodifluoromethane	85		1.707				ND	
10 Chloromethane	50		1.897				ND	
11 Vinyl chloride	62	2.015	2.015	0.000	91	2215	0.1055	
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		3.782				ND	
31 Methyl tert-butyl ether	73		3.936				ND	
32 trans-1,2-Dichloroethene	96		3.948				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	6.154	0.000	86	2864	0.1914	
61 1,2-Dichloropropane	63		6.379				ND	
63 Dibromomethane	93		6.450				ND	
65 Dichlorobromomethane	83		6.604				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_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

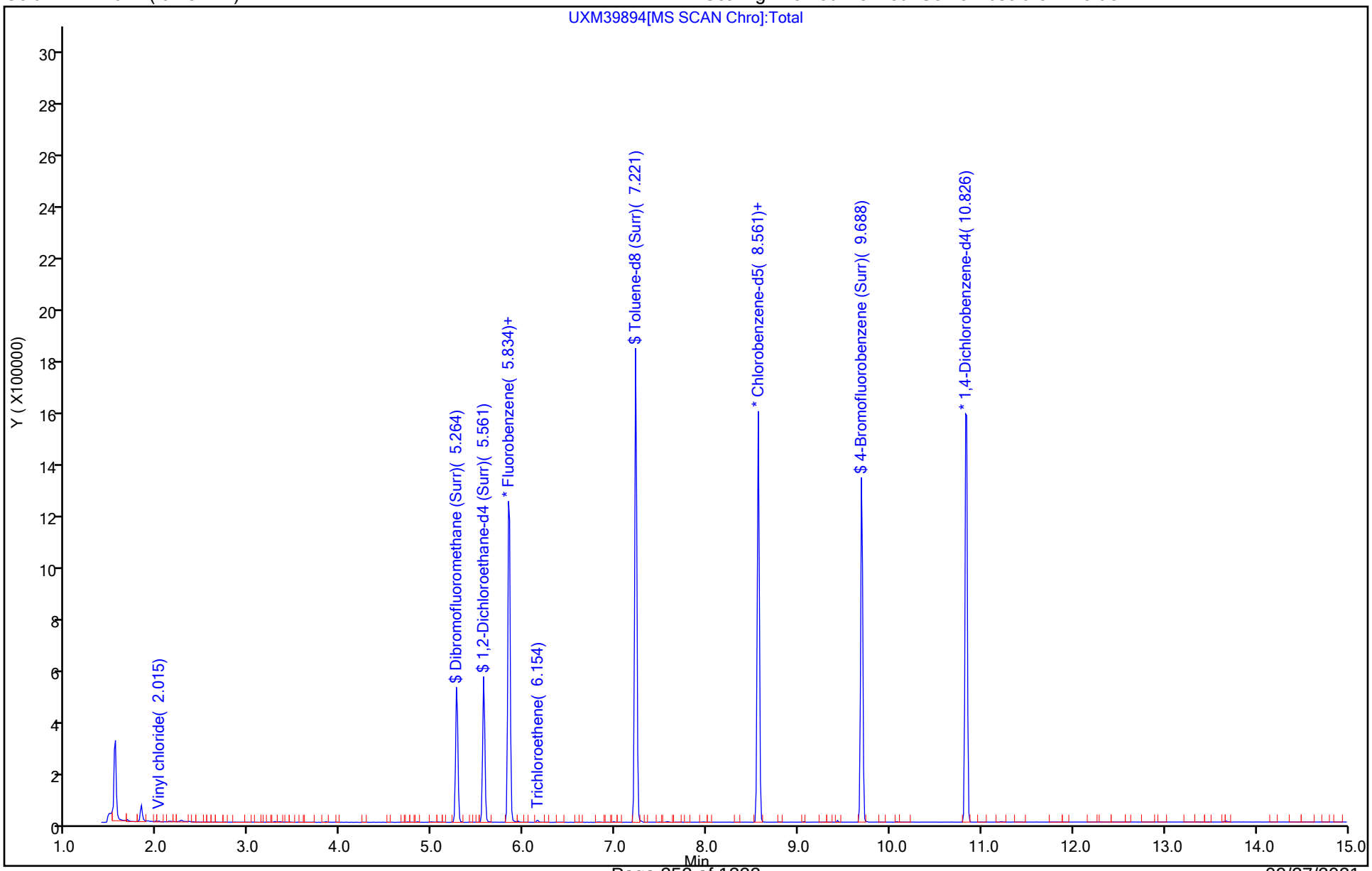
Report Date: 20-Sep-2021 07:59:42 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\UXM39894.D

Injection Date:	18-Sep-2021 19:43:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156133-B-5	Lab Sample ID:	240-156133-5	Worklist Smp#:	26
Client ID:	MSA-SW38A-091421				
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



Eurofins TestAmerica, Canton
Recovery Report

Data File:	\\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\UXM39894.D				
Lims ID:	240-156133-B-5				
Client ID:	MSA-SW38A-091421				
Sample Type:	Client				
Inject. Date:	18-Sep-2021 19:43:30	ALS Bottle#:	26	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0113269-026				
Operator ID:	001765	Instrument ID:	A3UX16		
Method:	\\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\8260_16.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	20-Sep-2021 07:59:14	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:	CTX1626				

First Level Reviewer: bosworthh Date: 20-Sep-2021 07:59:41

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	20.6	90.83
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	21.7	95.63
$ 6 Toluene-d8 (Surr)	22.7	21.6	95.26
$ 7 4-Bromofluorobenzene (Surr)	22.7	22.7	100.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38B-091421 Lab Sample ID: 240-156133-6

Matrix: Water Lab File ID: UXM39895.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:11

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 20:07

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.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38B-091421 Lab Sample ID: 240-156133-6

Matrix: Water Lab File ID: UXM39895.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:11

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 20:07

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.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38B-091421 Lab Sample ID: 240-156133-6

Matrix: Water Lab File ID: UXM39895.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:11

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 20:07

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.: 504263 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		56-136
1868-53-7	Dibromofluoromethane (Surr)	91		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		62-137
2037-26-5	Toluene-d8 (Surr)	95		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38B-091421 Lab Sample ID: 240-156133-6

Matrix: Water Lab File ID: UXM39895.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:11

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 20:07

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.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38B-091421 Lab Sample ID: 240-156133-6

Matrix: Water Lab File ID: UXM39895.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:11

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 20:07

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.: 504263 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\20210918-113269.b\UXM39895.D
Lims ID: 240-156133-B-6
Client ID: MSA-SW38B-091421
Sample Type: Client
Inject. Date: 18-Sep-2021 20:07:30 ALS Bottle#: 27 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113269-027
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 07:59:14 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: CTX1626

First Level Reviewer: bosworthh Date: 20-Sep-2021 08:00:05

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.834	5.846	-0.012	99	1147731	20.0	
*	2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	905342	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	496447	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.264	5.264	0.000	94	286992	20.6	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	352461	21.4	
$	6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1184439	21.5	
$	7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	88	477522	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		3.782				ND	
	31 Methyl tert-butyl ether	73		3.936				ND	
	32 trans-1,2-Dichloroethene	96		3.948				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		6.604				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_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

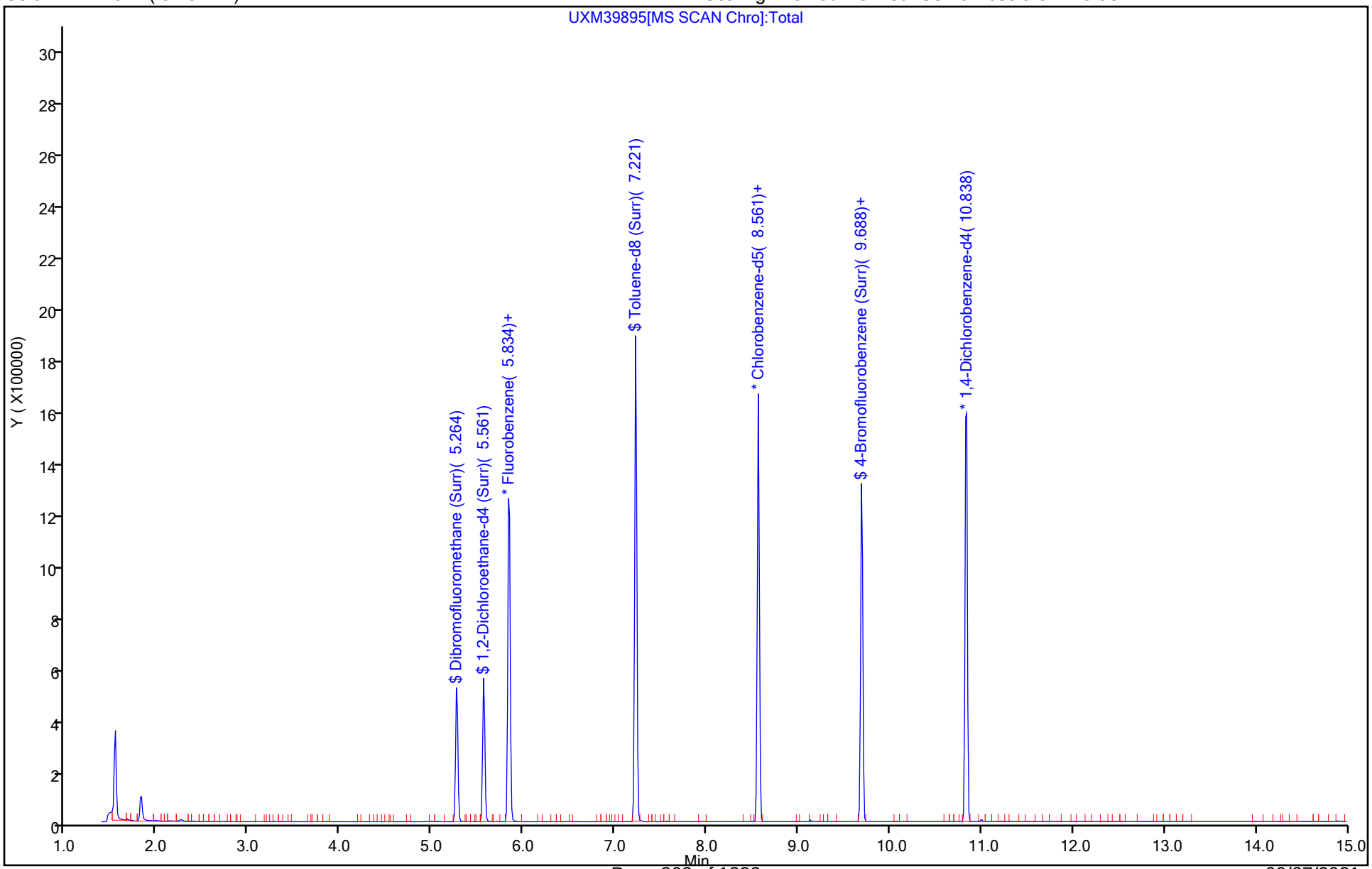
Report Date: 20-Sep-2021 08:00:06 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\UXM39895.D

Injection Date:	18-Sep-2021 20:07:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156133-B-6	Lab Sample ID:	240-156133-6	Worklist Smp#:	27
Client ID:	MSA-SW38B-091421				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	27
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\20210918-113269.b\UXM39895.D				
Lims ID:	240-156133-B-6				
Client ID:	MSA-SW38B-091421				
Sample Type:	Client				
Inject. Date:	18-Sep-2021 20:07:30	ALS Bottle#:	27	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0113269-027				
Operator ID:	001765	Instrument ID:	A3UX16		
Method:	\\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\8260_16.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	20-Sep-2021 07:59:14	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:	CTX1626				

First Level Reviewer: bosworthh Date: 20-Sep-2021 08:00:05

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	20.6	90.84
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	21.4	94.50
$ 6 Toluene-d8 (Surr)	22.7	21.5	94.62
$ 7 4-Bromofluorobenzene (Surr)	22.7	22.5	99.20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38C-091421 Lab Sample ID: 240-156133-7

Matrix: Water Lab File ID: UXM39896.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:13

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 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.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38C-091421 Lab Sample ID: 240-156133-7

Matrix: Water Lab File ID: UXM39896.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:13

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 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.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38C-091421 Lab Sample ID: 240-156133-7

Matrix: Water Lab File ID: UXM39896.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:13

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 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.: 504263 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		56-136
1868-53-7	Dibromofluoromethane (Surr)	94		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38C-091421 Lab Sample ID: 240-156133-7

Matrix: Water Lab File ID: UXM39896.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:13

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 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.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38C-091421 Lab Sample ID: 240-156133-7

Matrix: Water Lab File ID: UXM39896.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:13

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 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.: 504263 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\20210918-113269.b\UXM39896.D
Lims ID: 240-156133-B-7
Client ID: MSA-SW38C-091421
Sample Type: Client
Inject. Date: 18-Sep-2021 20:32:30 ALS Bottle#: 28 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113269-028
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 07:59:14 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: CTX1626

First Level Reviewer: bosworthh Date: 20-Sep-2021 08:02:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.846	5.846	0.000	100	1095317	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	864507	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	95	492274	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.265	5.264	0.000	94	284460	21.4	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	339431	21.6	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1115715	21.2	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	88	460227	22.7	
9 Dichlorodifluoromethane	85		1.707				ND	
10 Chloromethane	50		1.897				ND	7
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		3.782				ND	
31 Methyl tert-butyl ether	73		3.936				ND	
32 trans-1,2-Dichloroethene	96		3.948				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		6.604				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_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

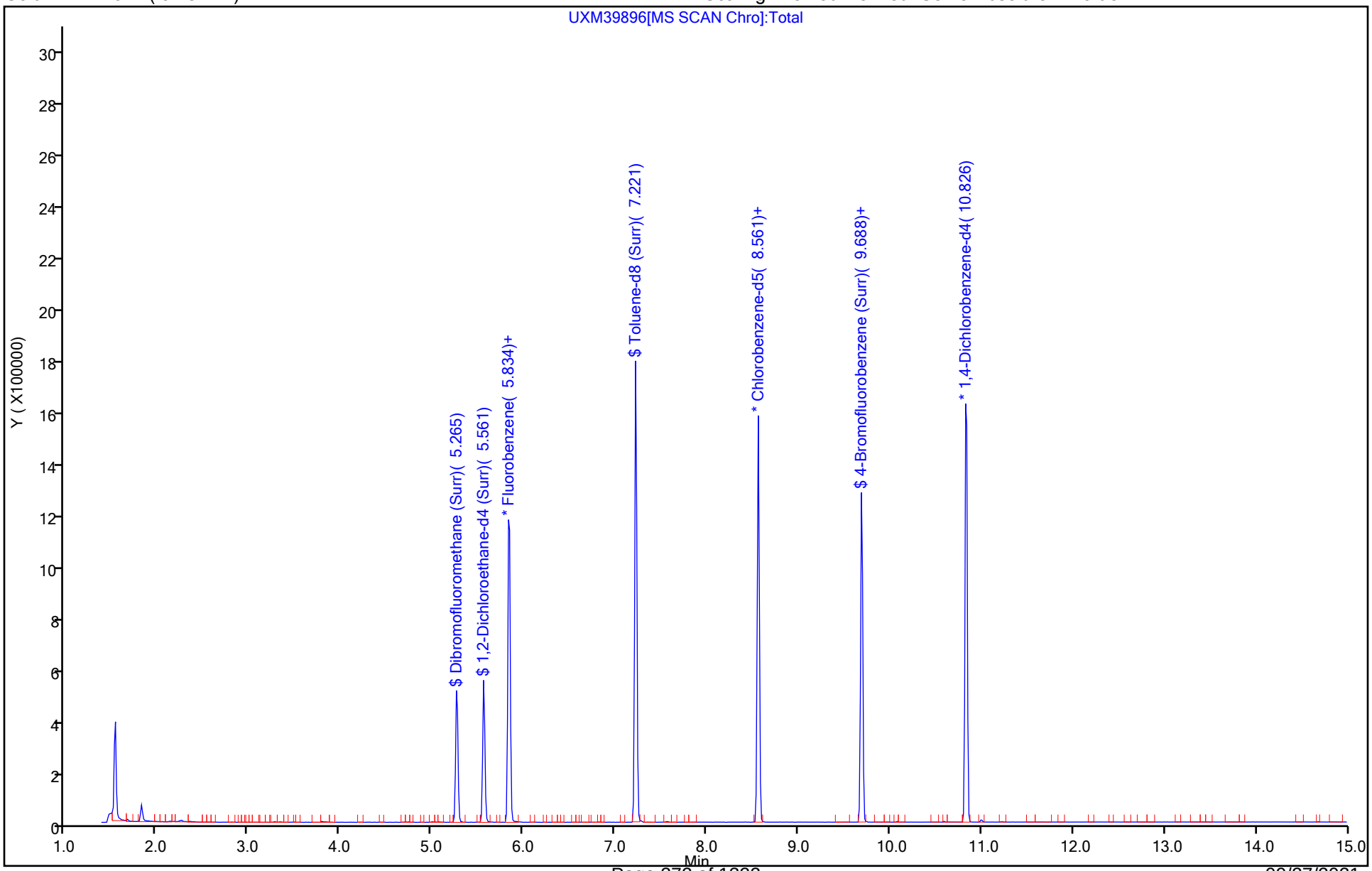
Report Date: 20-Sep-2021 08:02:02 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\UXM39896.D

Injection Date:	18-Sep-2021 20:32:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156133-B-7	Lab Sample ID:	240-156133-7	Worklist Smp#:	28
Client ID:	MSA-SW38C-091421				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	28
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\20210918-113269.b\UXM39896.D
Lims ID: 240-156133-B-7
Client ID: MSA-SW38C-091421
Sample Type: Client
Inject. Date: 18-Sep-2021 20:32:30 ALS Bottle#: 28 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113269-028
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 07:59:14 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: CTX1626

First Level Reviewer: bosworthh Date: 20-Sep-2021 08:02:01

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	21.4	94.35
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	21.6	95.36
$ 6 Toluene-d8 (Surr)	22.7	21.2	93.34
$ 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38D-091421 Lab Sample ID: 240-156133-8

Matrix: Water Lab File ID: UXM39914.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:15

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 15:44

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38D-091421 Lab Sample ID: 240-156133-8

Matrix: Water Lab File ID: UXM39914.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:15

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 15:44

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38D-091421 Lab Sample ID: 240-156133-8

Matrix: Water Lab File ID: UXM39914.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:15

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 15:44

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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		56-136
1868-53-7	Dibromofluoromethane (Surr)	93		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		62-137
2037-26-5	Toluene-d8 (Surr)	96		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38D-091421 Lab Sample ID: 240-156133-8

Matrix: Water Lab File ID: UXM39914.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:15

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 15:44

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW38D-091421 Lab Sample ID: 240-156133-8

Matrix: Water Lab File ID: UXM39914.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:15

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 15:44

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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\20210920-113298.b\UXM39914.D
Lims ID: 240-156133-A-8
Client ID: MSA-SW38D-091421
Sample Type: Client
Inject. Date: 20-Sep-2021 15:44:30 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113298-016
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Sep-2021 08:35:33 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: CTX1681

First Level Reviewer: bosworthh Date: 21-Sep-2021 08:36:08

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.845	5.846	-0.001	100	1287683	20.0	
*	2 Chlorobenzene-d5	117	8.561	8.561	0.000	86	1006848	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	95	567897	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.264	5.276	-0.012	94	329417	21.1	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	400798	21.7	
$	6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1340499	21.8	
$	7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	86	554788	23.5	
	9 Dichlorodifluoromethane	85		1.707				ND	
	10 Chloromethane	50		1.897				ND	7
	11 Vinyl chloride	62		2.015				ND	
	13 Bromomethane	94		2.359				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	7
	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	
	50 1,1-Dichloropropene	75		5.419				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
51 Carbon tetrachloride	117		5.419				ND	
54 Benzene	78		5.597				ND	
53 1,2-Dichloroethane	62		5.632				ND	
55 Tert-amyl methyl ether	73		5.680				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		9.190				ND	
88 Bromoform	173		9.368				ND	
89 Isopropylbenzene	105		9.510				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		11.182				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	7
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_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

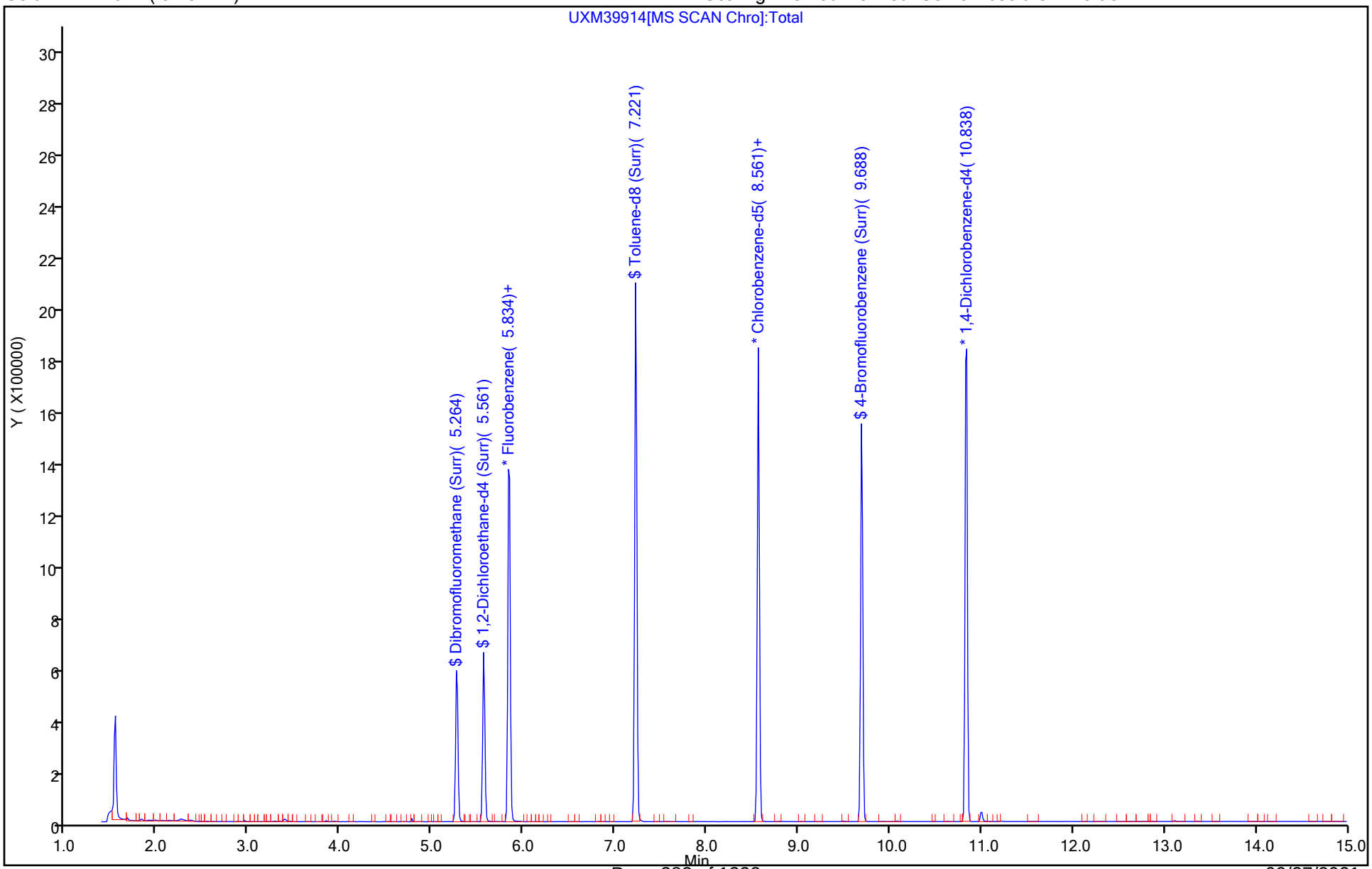
Report Date: 21-Sep-2021 08:36:08 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\UXM39914.D

Injection Date:	20-Sep-2021 15:44:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156133-A-8	Lab Sample ID:	240-156133-8	Worklist Smp#:	16
Client ID:	MSA-SW38D-091421				
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



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\UXM39914.D
Lims ID: 240-156133-A-8
Client ID: MSA-SW38D-091421
Sample Type: Client
Inject. Date: 20-Sep-2021 15:44:30 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113298-016
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Sep-2021 08:35:33 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: CTX1681

First Level Reviewer: bosworthh Date: 21-Sep-2021 08:36:08

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	21.1	92.94
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	21.7	95.78
$ 6 Toluene-d8 (Surr)	22.7	21.8	96.29
$ 7 4-Bromofluorobenzene (Surr)	22.7	23.5	103.63

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40A-091421 Lab Sample ID: 240-156133-9

Matrix: Water Lab File ID: UXM39915.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:23

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 16:09

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40A-091421 Lab Sample ID: 240-156133-9

Matrix: Water Lab File ID: UXM39915.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:23

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 16:09

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40A-091421 Lab Sample ID: 240-156133-9

Matrix: Water Lab File ID: UXM39915.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:23

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 16:09

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.: 504389 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	101		56-136
1868-53-7	Dibromofluoromethane (Surr)	99		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		62-137
2037-26-5	Toluene-d8 (Surr)	92		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40A-091421 Lab Sample ID: 240-156133-9

Matrix: Water Lab File ID: UXM39915.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:23

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 16:09

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40A-091421 Lab Sample ID: 240-156133-9

Matrix: Water Lab File ID: UXM39915.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:23

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 16:09

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.: 504389 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\20210920-113298.b\UXM39915.D
Lims ID: 240-156133-B-9
Client ID: MSA-SW40A-091421
Sample Type: Client
Inject. Date: 20-Sep-2021 16:09:30 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113298-017
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Sep-2021 08:35:33 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: CTX1681

First Level Reviewer: bosworthh Date: 21-Sep-2021 08:36:30

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.846	5.846	0.000	99	1168102	20.0	
*	2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	955134	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	561691	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.265	5.276	-0.011	94	317458	22.4	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	371748	22.2	
$	6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	92	1220971	21.0	
$	7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	89	514540	23.0	
	9 Dichlorodifluoromethane	85		1.707				ND	
	10 Chloromethane	50		1.897				ND	
	11 Vinyl chloride	62		2.015				ND	
	13 Bromomethane	94		2.359				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	7
	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	
	50 1,1-Dichloropropene	75		5.419				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
51 Carbon tetrachloride	117		5.419				ND	
54 Benzene	78		5.597				ND	7
53 1,2-Dichloroethane	62		5.632				ND	
55 Tert-amyl methyl ether	73		5.680				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	7
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		9.190				ND	
88 Bromoform	173		9.368				ND	
89 Isopropylbenzene	105		9.510				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		11.182				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_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

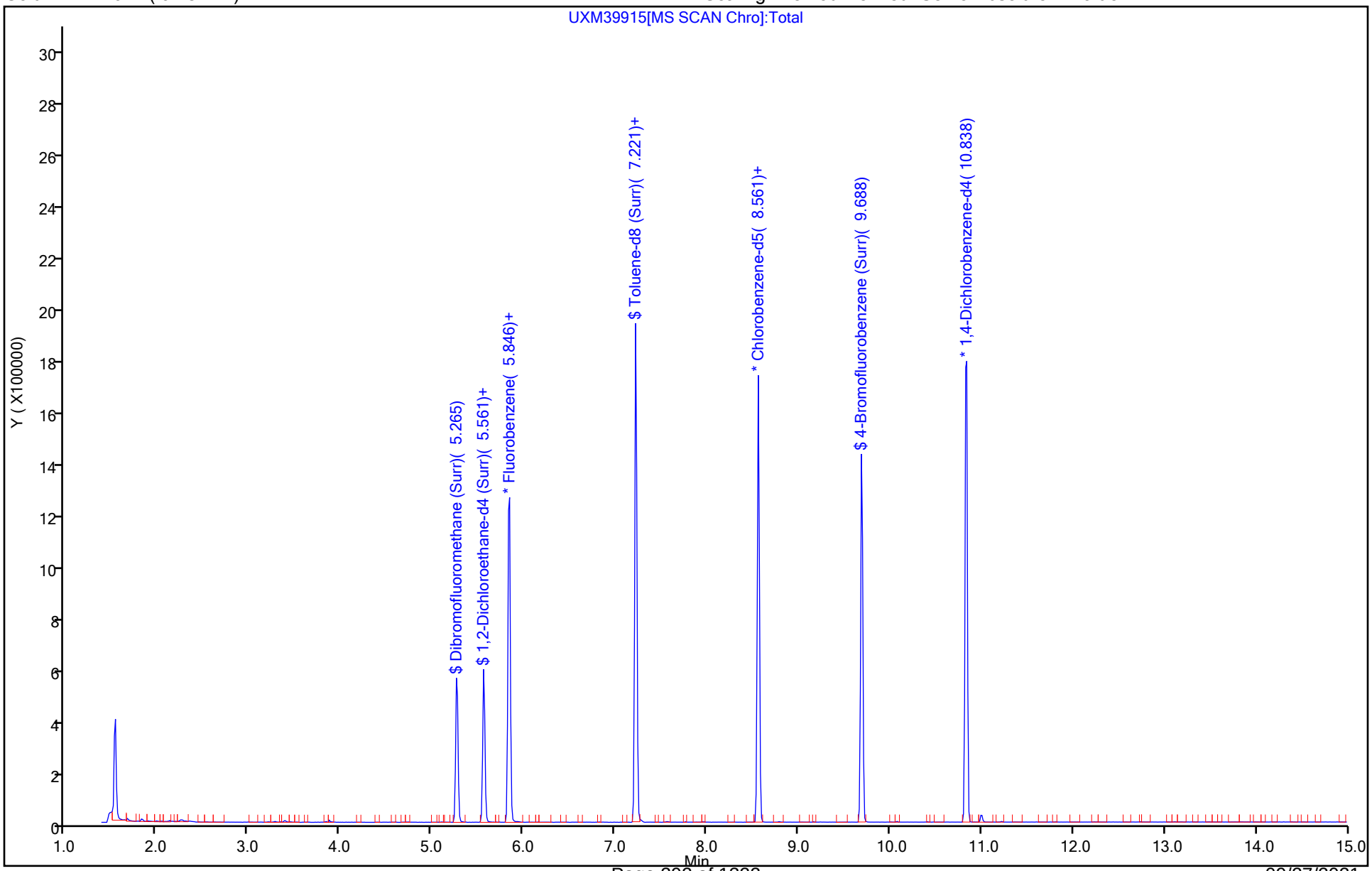
Report Date: 21-Sep-2021 08:36:31 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\UXM39915.D

Injection Date:	20-Sep-2021 16:09:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156133-B-9	Lab Sample ID:	240-156133-9	Worklist Smp#:	17
Client ID:	MSA-SW40A-091421				
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



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\UXM39915.D
Lims ID: 240-156133-B-9
Client ID: MSA-SW40A-091421
Sample Type: Client
Inject. Date: 20-Sep-2021 16:09:30 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113298-017
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Sep-2021 08:35:33 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: CTX1681

First Level Reviewer: bosworthh Date: 21-Sep-2021 08:36:30

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	22.4	98.73
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	22.2	97.93
$ 6 Toluene-d8 (Surr)	22.7	21.0	92.45
$ 7 4-Bromofluorobenzene (Surr)	22.7	23.0	101.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40B-091421 Lab Sample ID: 240-156133-10

Matrix: Water Lab File ID: UXM39916.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:27

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 16:34

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40B-091421 Lab Sample ID: 240-156133-10

Matrix: Water Lab File ID: UXM39916.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:27

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 16:34

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40B-091421 Lab Sample ID: 240-156133-10

Matrix: Water Lab File ID: UXM39916.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:27

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 16:34

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		56-136
1868-53-7	Dibromofluoromethane (Surr)	92		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40B-091421 Lab Sample ID: 240-156133-10

Matrix: Water Lab File ID: UXM39916.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:27

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 16:34

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40B-091421 Lab Sample ID: 240-156133-10

Matrix: Water Lab File ID: UXM39916.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:27

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 16:34

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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\20210920-113298.b\UXM39916.D
Lims ID: 240-156133-B-10
Client ID: MSA-SW40B-091421
Sample Type: Client
Inject. Date: 20-Sep-2021 16:34:30 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113298-018
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Sep-2021 08:35:33 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: CTX1681

First Level Reviewer: bosworthh Date: 21-Sep-2021 08:36:57

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.834	5.846	-0.012	99	1258665	20.0	
*	2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	1005934	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	568329	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.264	5.276	-0.012	93	320096	21.0	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	386533	21.4	
$	6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1299291	21.2	
$	7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	89	537175	22.8	
	9 Dichlorodifluoromethane	85		1.707				ND	
	10 Chloromethane	50		1.897				ND	7
	11 Vinyl chloride	62		2.015				ND	
	13 Bromomethane	94		2.359				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	
	50 1,1-Dichloropropene	75		5.419				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
51 Carbon tetrachloride	117		5.419				ND	
54 Benzene	78		5.597				ND	
53 1,2-Dichloroethane	62		5.632				ND	
55 Tert-amyl methyl ether	73		5.680				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		9.190				ND	
88 Bromoform	173		9.368				ND	
89 Isopropylbenzene	105		9.510				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		11.182				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_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

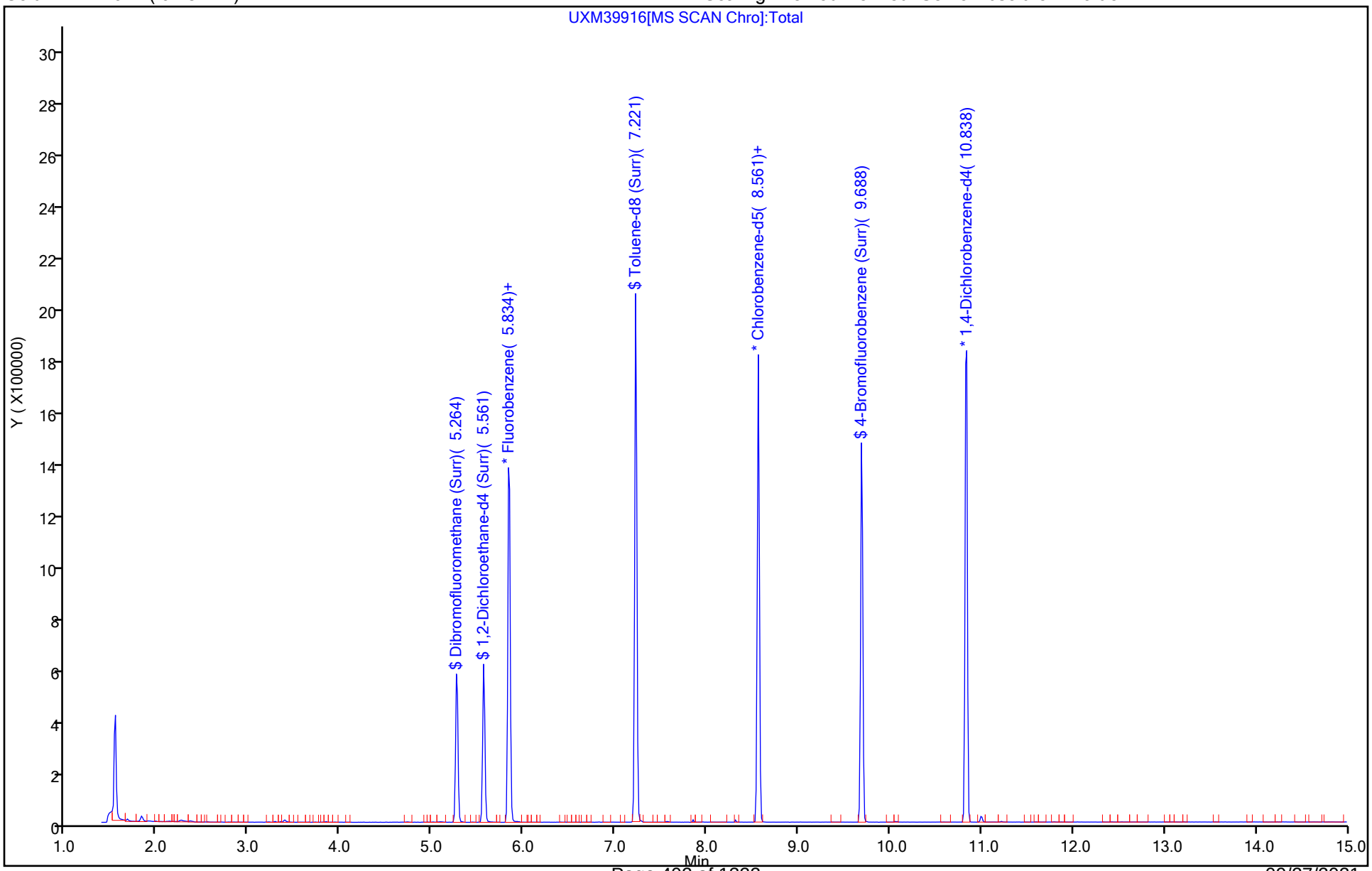
Report Date: 21-Sep-2021 08:36:58 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\UXM39916.D

Injection Date:	20-Sep-2021 16:34:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156133-B-10	Lab Sample ID:	240-156133-10	Worklist Smp#:	18
Client ID:	MSA-SW40B-091421				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
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\20210920-113298.b\UXM39916.D				
Lims ID:	240-156133-B-10				
Client ID:	MSA-SW40B-091421				
Sample Type:	Client				
Inject. Date:	20-Sep-2021 16:34:30	ALS Bottle#:	18	Worklist Smp#:	18
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0113298-018				
Operator ID:	001765	Instrument ID:	A3UX16		
Method:	\\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\8260_16.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	21-Sep-2021 08:35:33	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:	CTX1681				

First Level Reviewer: bosworthh Date: 21-Sep-2021 08:36:57

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	21.0	92.39
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	21.4	94.50
$ 6 Toluene-d8 (Surr)	22.7	21.2	93.42
$ 7 4-Bromofluorobenzene (Surr)	22.7	22.8	100.43

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40C-091421 Lab Sample ID: 240-156133-11

Matrix: Water Lab File ID: UXM39917.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:30

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 16:58

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40C-091421 Lab Sample ID: 240-156133-11

Matrix: Water Lab File ID: UXM39917.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:30

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 16:58

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40C-091421 Lab Sample ID: 240-156133-11

Matrix: Water Lab File ID: UXM39917.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:30

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 16:58

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	102		56-136
1868-53-7	Dibromofluoromethane (Surr)	95		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		62-137
2037-26-5	Toluene-d8 (Surr)	95		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40C-091421 Lab Sample ID: 240-156133-11

Matrix: Water Lab File ID: UXM39917.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:30

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 16:58

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40C-091421 Lab Sample ID: 240-156133-11

Matrix: Water Lab File ID: UXM39917.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:30

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 16:58

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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\20210920-113298.b\UXM39917.D
Lims ID: 240-156133-B-11
Client ID: MSA-SW40C-091421
Sample Type: Client
Inject. Date: 20-Sep-2021 16:58:30 ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113298-019
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Sep-2021 08:35:33 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: CTX1681

First Level Reviewer: bosworthh Date: 21-Sep-2021 08:37:16

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.846	5.846	0.000	99	1213593	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	953696	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	563872	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.265	5.276	-0.011	94	317783	21.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	377762	21.7	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1256663	21.6	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	89	516736	23.1	
9 Dichlorodifluoromethane	85		1.707				ND	
10 Chloromethane	50		1.897				ND	7
11 Vinyl chloride	62		2.015				ND	
13 Bromomethane	94		2.359				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	7
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	
50 1,1-Dichloropropene	75		5.419				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
51 Carbon tetrachloride	117		5.419				ND	
54 Benzene	78		5.597				ND	
53 1,2-Dichloroethane	62		5.632				ND	
55 Tert-amyl methyl ether	73		5.680				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		9.190				ND	
88 Bromoform	173		9.368				ND	
89 Isopropylbenzene	105		9.510				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		11.182				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_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

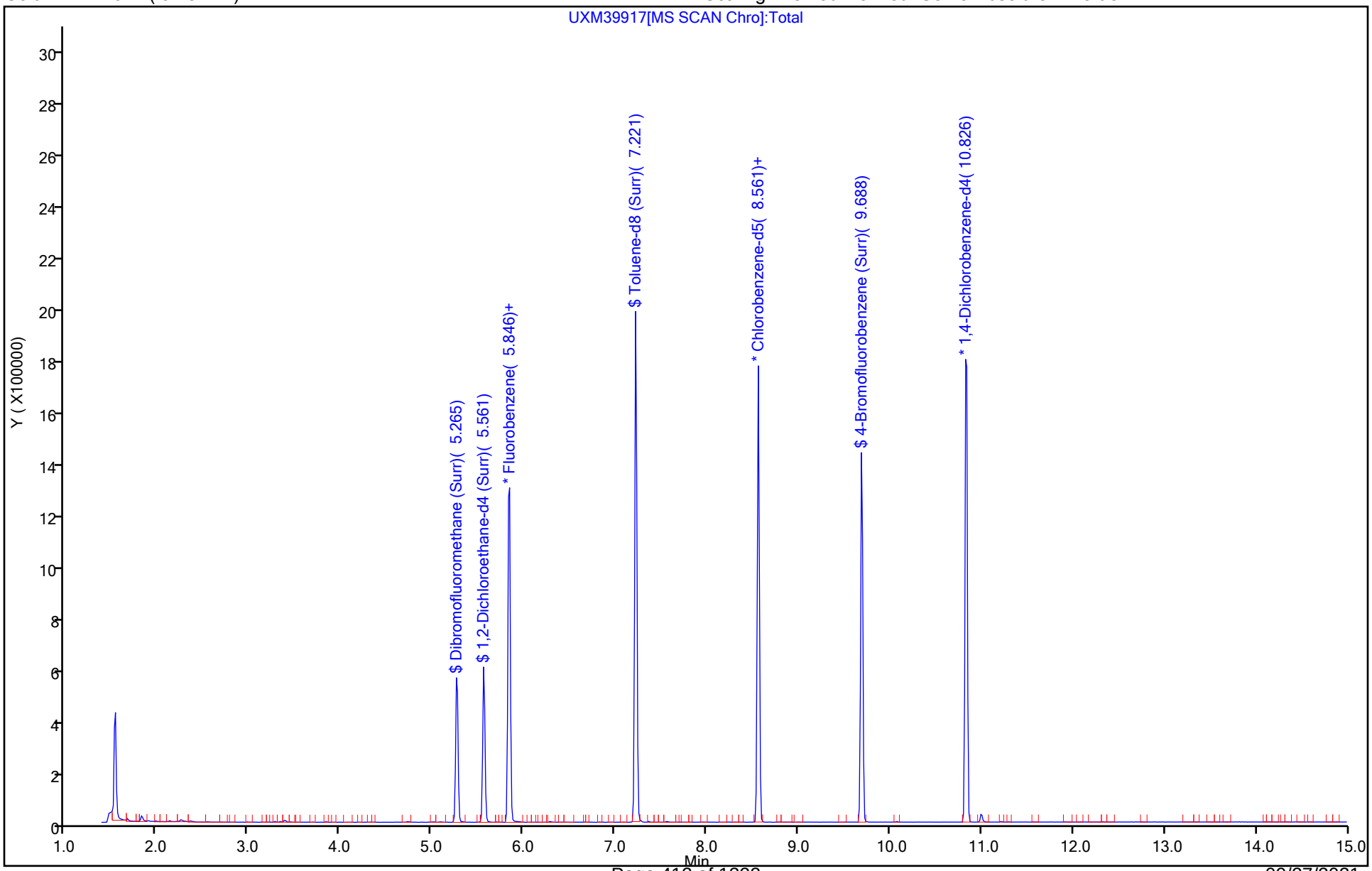
Report Date: 21-Sep-2021 08:37:16 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\UXM39917.D

Injection Date:	20-Sep-2021 16:58:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156133-B-11	Lab Sample ID:	240-156133-11	Worklist Smp#:	19
Client ID:	MSA-SW40C-091421				
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\20210920-113298.b\UXM39917.D
Lims ID: 240-156133-B-11
Client ID: MSA-SW40C-091421
Sample Type: Client
Inject. Date: 20-Sep-2021 16:58:30 ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113298-019
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Sep-2021 08:35:33 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: CTX1681

First Level Reviewer: bosworthh Date: 21-Sep-2021 08:37:16

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	21.6	95.13
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	21.7	95.79
$ 6 Toluene-d8 (Surr)	22.7	21.6	95.30
$ 7 4-Bromofluorobenzene (Surr)	22.7	23.1	101.90

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40D-091421 Lab Sample ID: 240-156133-12

Matrix: Water Lab File ID: UXM39918.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:32

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 17:23

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40D-091421 Lab Sample ID: 240-156133-12

Matrix: Water Lab File ID: UXM39918.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:32

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 17:23

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40D-091421 Lab Sample ID: 240-156133-12

Matrix: Water Lab File ID: UXM39918.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:32

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 17:23

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.: 504389 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		56-136
1868-53-7	Dibromofluoromethane (Surr)	105		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		62-137
2037-26-5	Toluene-d8 (Surr)	95		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40D-091421 Lab Sample ID: 240-156133-12

Matrix: Water Lab File ID: UXM39918.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:32

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 17:23

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW40D-091421 Lab Sample ID: 240-156133-12

Matrix: Water Lab File ID: UXM39918.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:32

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 17:23

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.: 504389 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\20210920-113298.b\UXM39918.D
Lims ID: 240-156133-B-12
Client ID: MSA-SW40D-091421
Sample Type: Client
Inject. Date: 20-Sep-2021 17:23:30 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113298-020
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Sep-2021 08:35:33 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: CTX1681

First Level Reviewer: bosworthh Date: 21-Sep-2021 08:37:36

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.846	5.846	0.000	99	1113395	20.0	
*	2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	918528	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	559156	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.265	5.276	-0.011	93	320799	23.7	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	361727	22.7	
$	6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	92	1204780	21.5	
$	7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	88	511803	23.8	
	9 Dichlorodifluoromethane	85		1.707				ND	
	10 Chloromethane	50		1.897				ND	7
	11 Vinyl chloride	62		2.015				ND	
	13 Bromomethane	94		2.359				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	
	50 1,1-Dichloropropene	75		5.419				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
51 Carbon tetrachloride	117		5.419				ND	
54 Benzene	78		5.597				ND	
53 1,2-Dichloroethane	62		5.632				ND	
55 Tert-amyl methyl ether	73		5.680				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		9.190				ND	
88 Bromoform	173		9.368				ND	
89 Isopropylbenzene	105		9.510				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		11.182				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_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

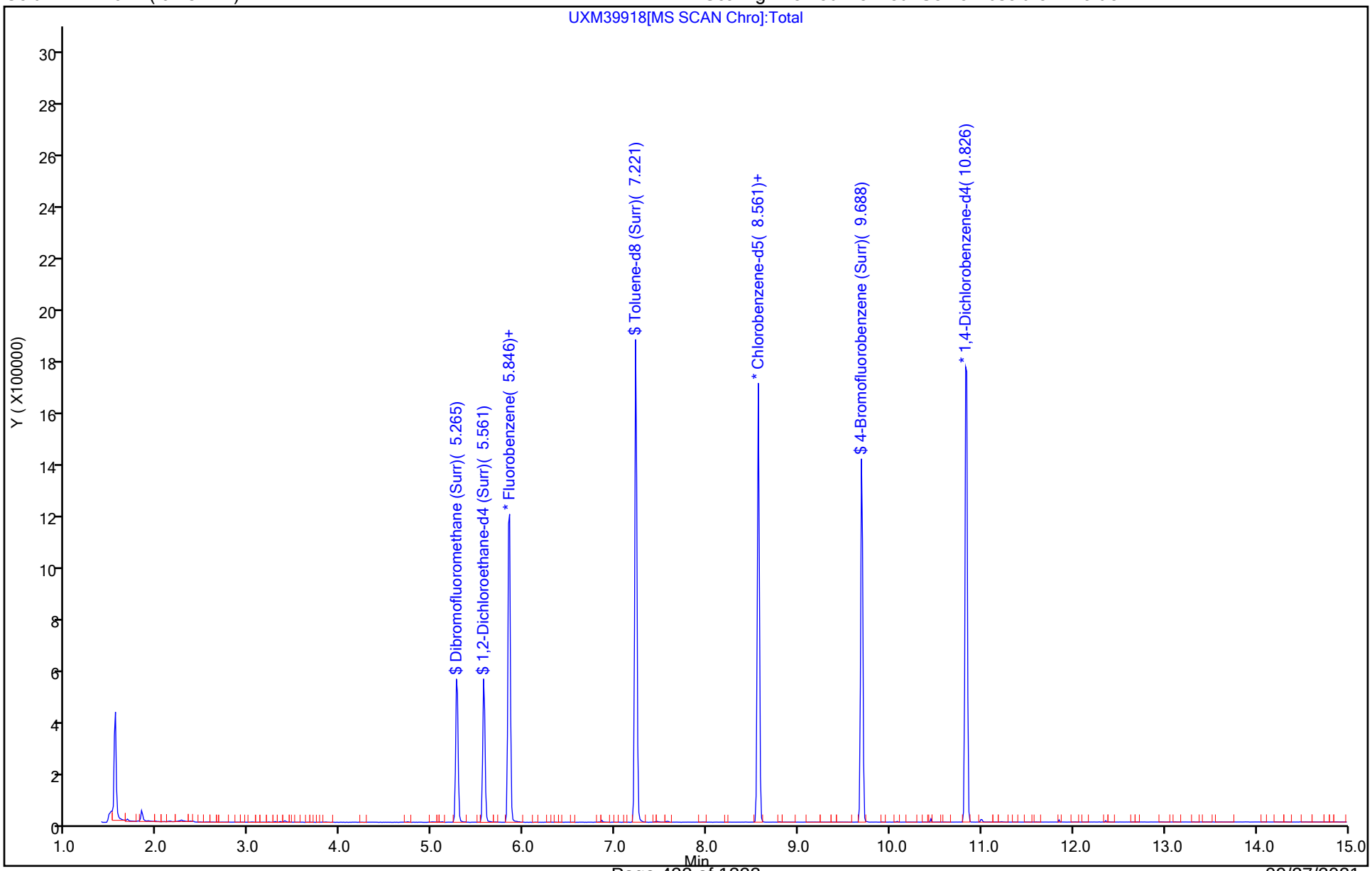
Report Date: 21-Sep-2021 08:37:37 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\UXM39918.D

Injection Date:	20-Sep-2021 17:23:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156133-B-12	Lab Sample ID:	240-156133-12	Worklist Smp#:	20
Client ID:	MSA-SW40D-091421				
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\20210920-113298.b\UXM39918.D
Lims ID: 240-156133-B-12
Client ID: MSA-SW40D-091421
Sample Type: Client
Inject. Date: 20-Sep-2021 17:23:30 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113298-020
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Sep-2021 08:35:33 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: CTX1681

First Level Reviewer: bosworthh Date: 21-Sep-2021 08:37:36

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	23.7	104.67
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	22.7	99.97
$ 6 Toluene-d8 (Surr)	22.7	21.5	94.86
$ 7 4-Bromofluorobenzene (Surr)	22.7	23.8	104.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41A-091421 Lab Sample ID: 240-156133-13

Matrix: Water Lab File ID: UXM39919.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:52

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 17:48

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41A-091421 Lab Sample ID: 240-156133-13

Matrix: Water Lab File ID: UXM39919.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:52

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 17:48

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41A-091421 Lab Sample ID: 240-156133-13

Matrix: Water Lab File ID: UXM39919.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:52

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 17:48

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.: 504389 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		56-136
1868-53-7	Dibromofluoromethane (Surr)	97		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		62-137
2037-26-5	Toluene-d8 (Surr)	92		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41A-091421 Lab Sample ID: 240-156133-13

Matrix: Water Lab File ID: UXM39919.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:52

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 17:48

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41A-091421 Lab Sample ID: 240-156133-13

Matrix: Water Lab File ID: UXM39919.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:52

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 17:48

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.: 504389 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\20210920-113298.b\UXM39919.D
Lims ID: 240-156133-B-13
Client ID: MSA-SW41A-091421
Sample Type: Client
Inject. Date: 20-Sep-2021 17:48:30 ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113298-021
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Sep-2021 08:35:33 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: CTX1681

First Level Reviewer: bosworthh Date: 21-Sep-2021 08:37:58

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.846	5.846	0.000	99	1141168	20.0	
*	2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	930455	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	541332	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.264	5.276	-0.012	93	306104	22.1	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	350703	21.4	
$	6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1183670	20.9	
$	7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	89	493588	22.6	
	9 Dichlorodifluoromethane	85		1.707				ND	
	10 Chloromethane	50		1.897				ND	7
	11 Vinyl chloride	62	2.015	2.015	0.000	93	3040	0.1447	
	13 Bromomethane	94		2.359				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	7
	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	7
	45 Chlorobromomethane	128		5.051				ND	
	47 Chloroform	83		5.134				ND	
	48 1,1,1-Trichloroethane	97		5.288				ND	
	50 1,1-Dichloropropene	75		5.419				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
51 Carbon tetrachloride	117		5.419				ND	
54 Benzene	78		5.597				ND	
53 1,2-Dichloroethane	62		5.632				ND	
55 Tert-amyl methyl ether	73		5.680				ND	
58 Trichloroethene	130	6.154	6.154	0.000	86	5770	0.3852	
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		9.190				ND	
88 Bromoform	173		9.368				ND	
89 Isopropylbenzene	105		9.510				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		11.182				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_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

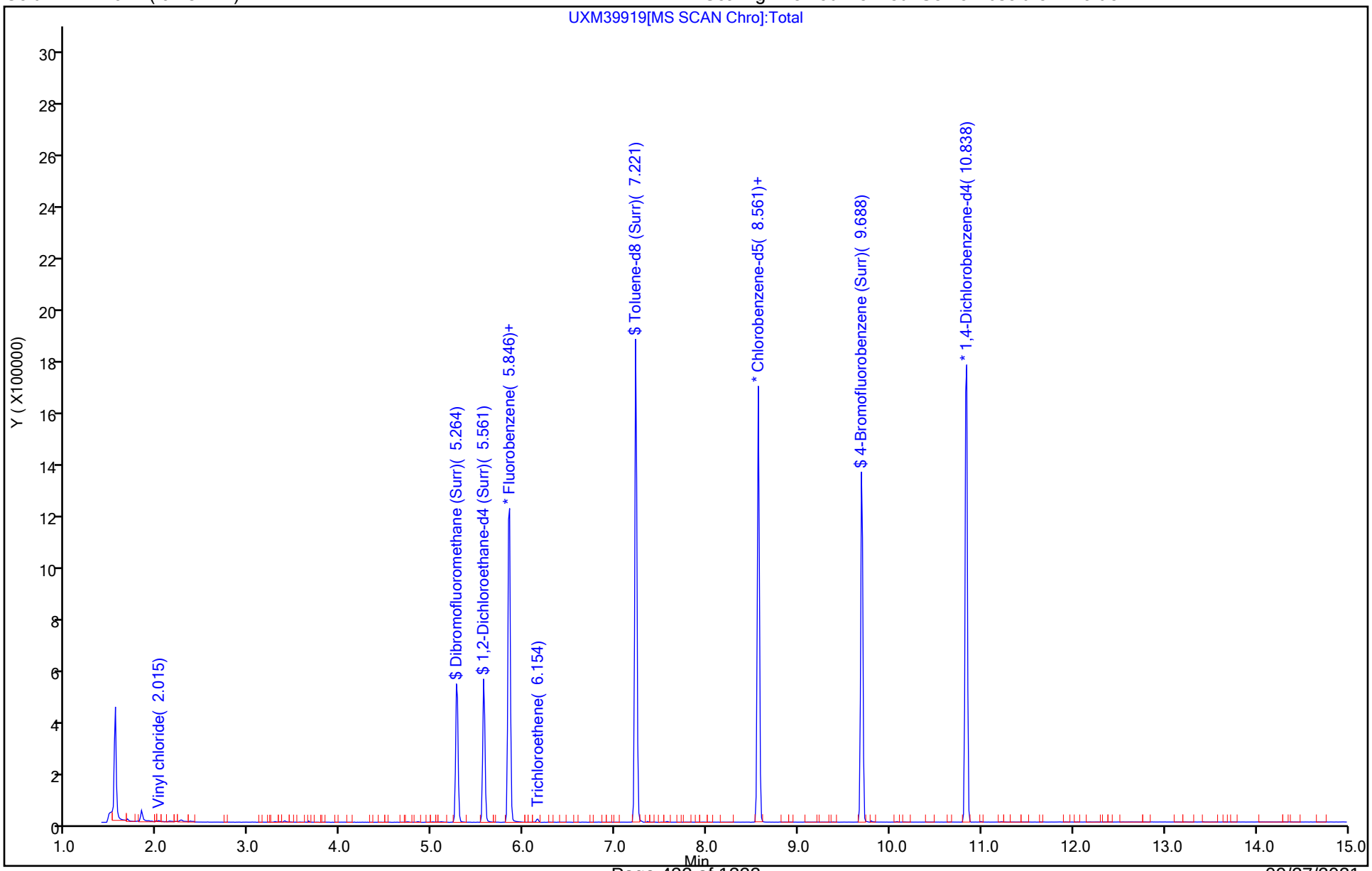
Report Date: 21-Sep-2021 08:37:58 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\UXM39919.D

Injection Date:	20-Sep-2021 17:48:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156133-B-13	Lab Sample ID:	240-156133-13	Worklist Smp#:	21
Client ID:	MSA-SW41A-091421				
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\20210920-113298.b\UXM39919.D
Lims ID: 240-156133-B-13
Client ID: MSA-SW41A-091421
Sample Type: Client
Inject. Date: 20-Sep-2021 17:48:30 ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113298-021
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Sep-2021 08:35:33 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: CTX1681

First Level Reviewer: bosworthh Date: 21-Sep-2021 08:37:58

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	22.1	97.45
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	21.4	94.57
$ 6 Toluene-d8 (Surr)	22.7	20.9	92.01
$ 7 4-Bromofluorobenzene (Surr)	22.7	22.6	99.77

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41B-091421 Lab Sample ID: 240-156133-14

Matrix: Water Lab File ID: UXM39920.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:55

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 18:13

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41B-091421 Lab Sample ID: 240-156133-14

Matrix: Water Lab File ID: UXM39920.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:55

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 18:13

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41B-091421 Lab Sample ID: 240-156133-14

Matrix: Water Lab File ID: UXM39920.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:55

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 18:13

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	102		56-136
1868-53-7	Dibromofluoromethane (Surr)	103		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41B-091421 Lab Sample ID: 240-156133-14

Matrix: Water Lab File ID: UXM39920.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:55

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 18:13

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41B-091421 Lab Sample ID: 240-156133-14

Matrix: Water Lab File ID: UXM39920.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:55

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 18:13

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504389 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\20210920-113298.b\UXM39920.D
Lims ID: 240-156133-B-14
Client ID: MSA-SW41B-091421
Sample Type: Client
Inject. Date: 20-Sep-2021 18:13:30 ALS Bottle#: 22 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113298-022
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Sep-2021 08:35:33 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: CTX1681

First Level Reviewer: bosworthh Date: 21-Sep-2021 08:38:23

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.846	5.846	0.000	99	1067849	20.0	
*	2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	882822	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	95	531323	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.265	5.276	-0.011	94	301968	23.3	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	343959	22.5	
$	6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1131186	21.0	
$	7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	89	480677	23.2	
	9 Dichlorodifluoromethane	85		1.707				ND	
	10 Chloromethane	50		1.897				ND	
	11 Vinyl chloride	62		2.015				ND	
	13 Bromomethane	94		2.359				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	7
	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	
	50 1,1-Dichloropropene	75		5.419				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
51 Carbon tetrachloride	117		5.419				ND	
54 Benzene	78		5.597				ND	
53 1,2-Dichloroethane	62		5.632				ND	
55 Tert-amyl methyl ether	73		5.680				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		9.190				ND	
88 Bromoform	173		9.368				ND	
89 Isopropylbenzene	105		9.510				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		11.182				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:

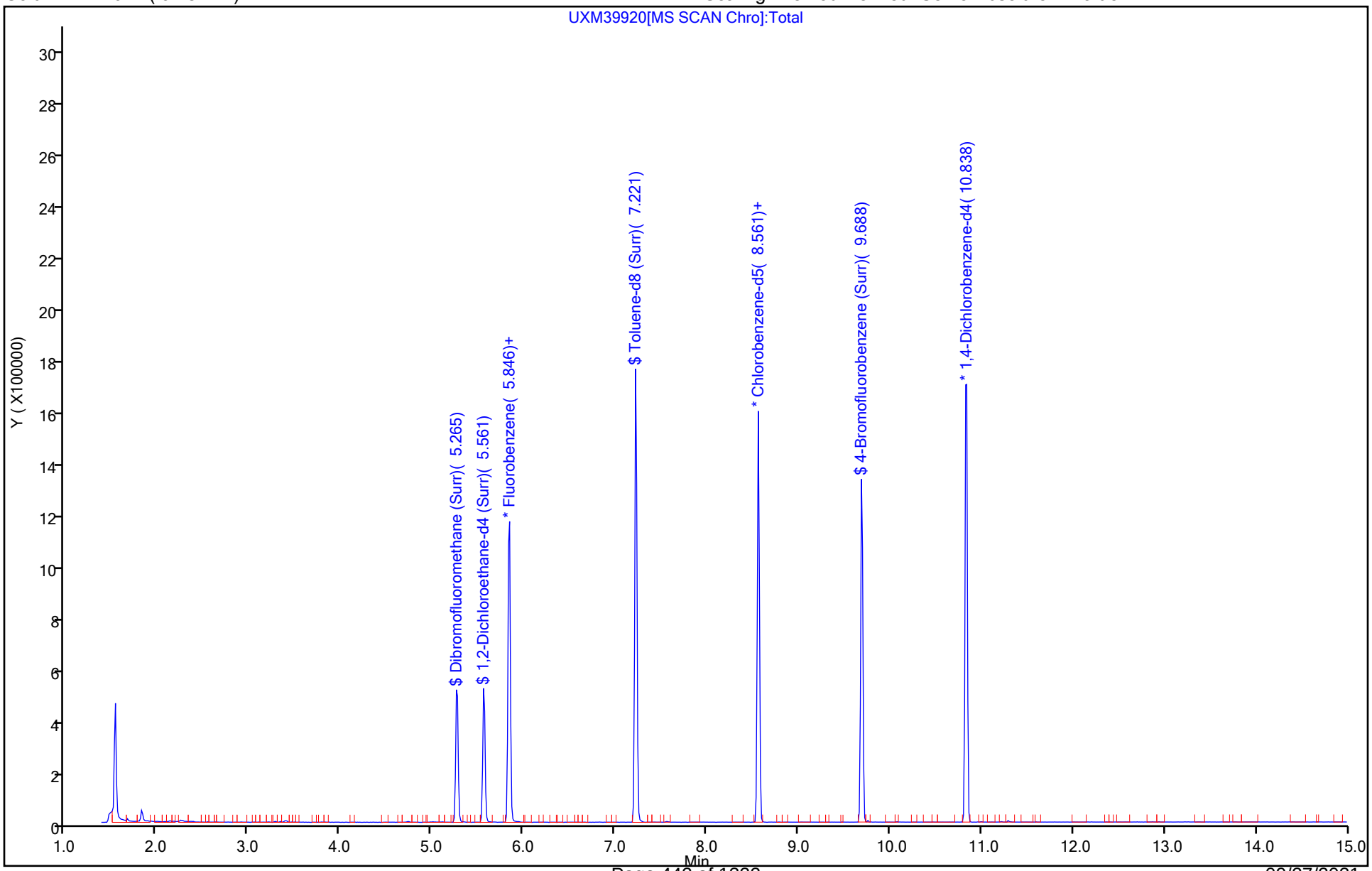
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

Report Date: 21-Sep-2021 08:38:23 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\UXM39920.D				
Injection Date:	20-Sep-2021 18:13:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156133-B-14	Lab Sample ID:	240-156133-14	Worklist Smp#:	22
Client ID:	MSA-SW41B-091421				
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\20210920-113298.b\UXM39920.D
Lims ID: 240-156133-B-14
Client ID: MSA-SW41B-091421
Sample Type: Client
Inject. Date: 20-Sep-2021 18:13:30 ALS Bottle#: 22 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113298-022
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Sep-2021 08:35:33 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: CTX1681

First Level Reviewer: bosworthh Date: 21-Sep-2021 08:38:23

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	23.3	102.73
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	22.5	99.12
$ 6 Toluene-d8 (Surr)	22.7	21.0	92.67
$ 7 4-Bromofluorobenzene (Surr)	22.7	23.2	102.40

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41C-091421 Lab Sample ID: 240-156133-15

Matrix: Water Lab File ID: UXM39921.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:57

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 18:37

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41C-091421 Lab Sample ID: 240-156133-15

Matrix: Water Lab File ID: UXM39921.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:57

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 18:37

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41C-091421 Lab Sample ID: 240-156133-15

Matrix: Water Lab File ID: UXM39921.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:57

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 18:37

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.: 504389 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		56-136
1868-53-7	Dibromofluoromethane (Surr)	108		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		62-137
2037-26-5	Toluene-d8 (Surr)	94		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41C-091421 Lab Sample ID: 240-156133-15

Matrix: Water Lab File ID: UXM39921.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:57

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 18:37

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41C-091421 Lab Sample ID: 240-156133-15

Matrix: Water Lab File ID: UXM39921.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:57

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 18:37

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.: 504389 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\20210920-113298.b\UXM39921.D
Lims ID: 240-156133-B-15
Client ID: MSA-SW41C-091421
Sample Type: Client
Inject. Date: 20-Sep-2021 18:37:30 ALS Bottle#: 23 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113298-023
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Sep-2021 08:35:33 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: CTX1681

First Level Reviewer: bosworthh Date: 21-Sep-2021 08:38:55

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.846	5.846	0.000	99	1013596	20.0	
*	2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	837342	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	95	526335	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.265	5.276	-0.012	94	300011	24.4	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	327482	22.5	
$	6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1086299	21.3	
$	7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	87	469041	23.9	
	9 Dichlorodifluoromethane	85		1.707				ND	
	10 Chloromethane	50		1.897				ND	7
	11 Vinyl chloride	62		2.015				ND	
	13 Bromomethane	94		2.359				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	
	50 1,1-Dichloropropene	75		5.419				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
51 Carbon tetrachloride	117		5.419				ND	
54 Benzene	78		5.597				ND	
53 1,2-Dichloroethane	62		5.632				ND	
55 Tert-amyl methyl ether	73		5.680				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		9.190				ND	
88 Bromoform	173		9.368				ND	
89 Isopropylbenzene	105		9.510				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		11.182				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_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

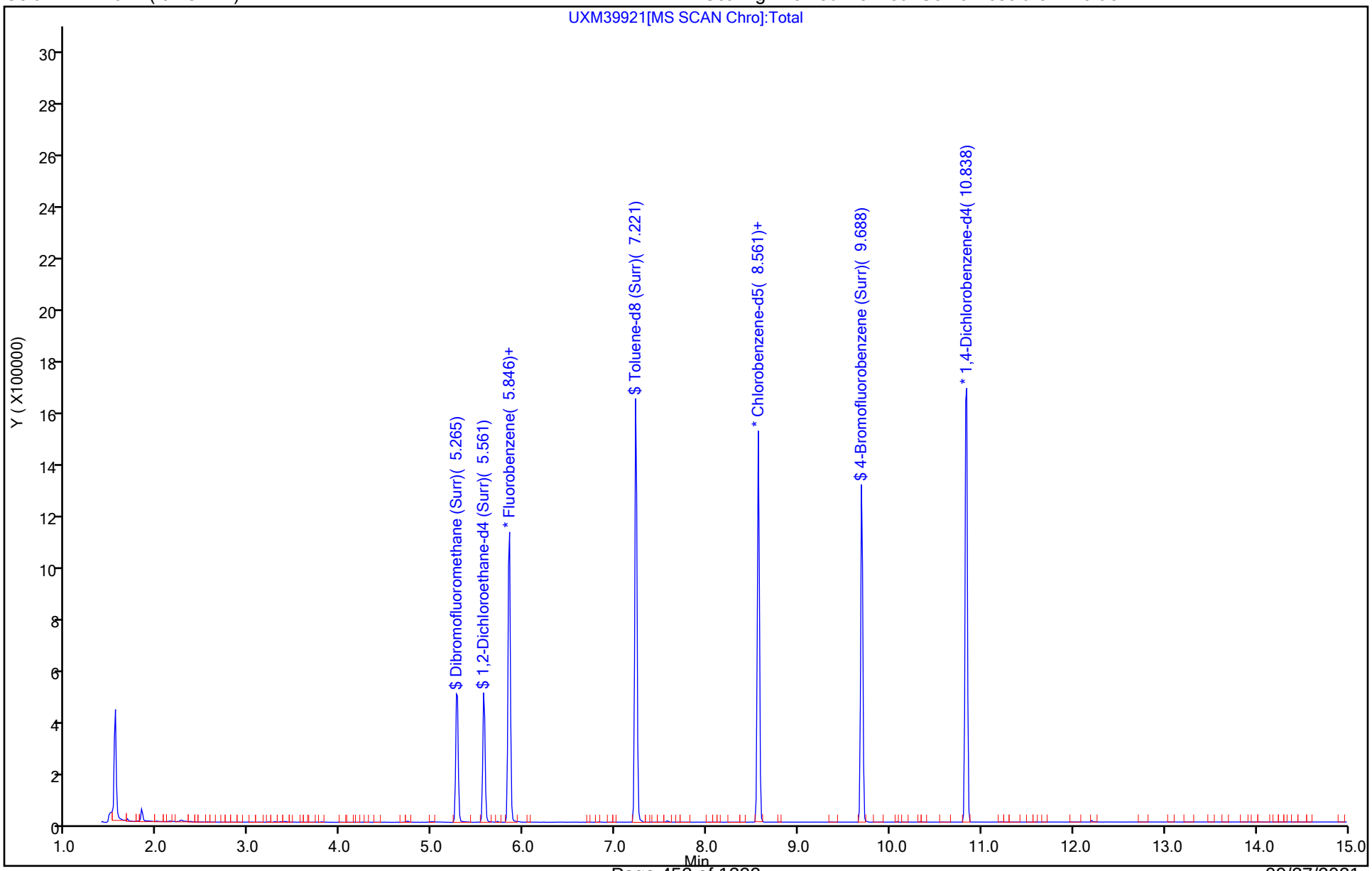
Report Date: 21-Sep-2021 08:38:56 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\UXM39921.D

Injection Date:	20-Sep-2021 18:37:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156133-B-15	Lab Sample ID:	240-156133-15	Worklist Smp#:	23
Client ID:	MSA-SW41C-091421				
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
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\UXM39921.D
Lims ID: 240-156133-B-15
Client ID: MSA-SW41C-091421
Sample Type: Client
Inject. Date: 20-Sep-2021 18:37:30 ALS Bottle#: 23 Worklist Smp#: 23
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113298-023
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Sep-2021 08:35:33 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: CTX1681

First Level Reviewer: bosworthh Date: 21-Sep-2021 08:38:55

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	24.4	107.53
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	22.5	99.42
$ 6 Toluene-d8 (Surr)	22.7	21.3	93.83
$ 7 4-Bromofluorobenzene (Surr)	22.7	23.9	105.35

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41D-091421 Lab Sample ID: 240-156133-16

Matrix: Water Lab File ID: UXM39922.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:00

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 19:02

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41D-091421 Lab Sample ID: 240-156133-16

Matrix: Water Lab File ID: UXM39922.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:00

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 19:02

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41D-091421 Lab Sample ID: 240-156133-16

Matrix: Water Lab File ID: UXM39922.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:00

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 19:02

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.: 504389 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		56-136
1868-53-7	Dibromofluoromethane (Surr)	95		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		62-137
2037-26-5	Toluene-d8 (Surr)	94		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41D-091421 Lab Sample ID: 240-156133-16

Matrix: Water Lab File ID: UXM39922.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:00

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 19:02

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW41D-091421 Lab Sample ID: 240-156133-16

Matrix: Water Lab File ID: UXM39922.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:00

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 19:02

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.: 504389 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\20210920-113298.b\UXM39922.D
Lims ID: 240-156133-B-16
Client ID: MSA-SW41D-091421
Sample Type: Client
Inject. Date: 20-Sep-2021 19:02:30 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113298-024
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Sep-2021 08:35:33 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: CTX1681

First Level Reviewer: bosworthh Date: 21-Sep-2021 08:39:38

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.845	5.846	-0.001	99	1147151	20.0	
*	2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	913619	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	523892	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.264	5.276	-0.012	94	299463	21.5	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	354407	21.6	
$	6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1185733	21.3	
$	7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	89	498653	23.3	
	9 Dichlorodifluoromethane	85		1.707				ND	
	10 Chloromethane	50		1.897				ND	7
	11 Vinyl chloride	62		2.015				ND	
	13 Bromomethane	94		2.359				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	
	50 1,1-Dichloropropene	75		5.419				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
51 Carbon tetrachloride	117		5.419				ND	
54 Benzene	78		5.597				ND	
53 1,2-Dichloroethane	62		5.632				ND	
55 Tert-amyl methyl ether	73		5.680				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	7
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		9.190				ND	
88 Bromoform	173		9.368				ND	
89 Isopropylbenzene	105		9.510				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		11.182				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_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

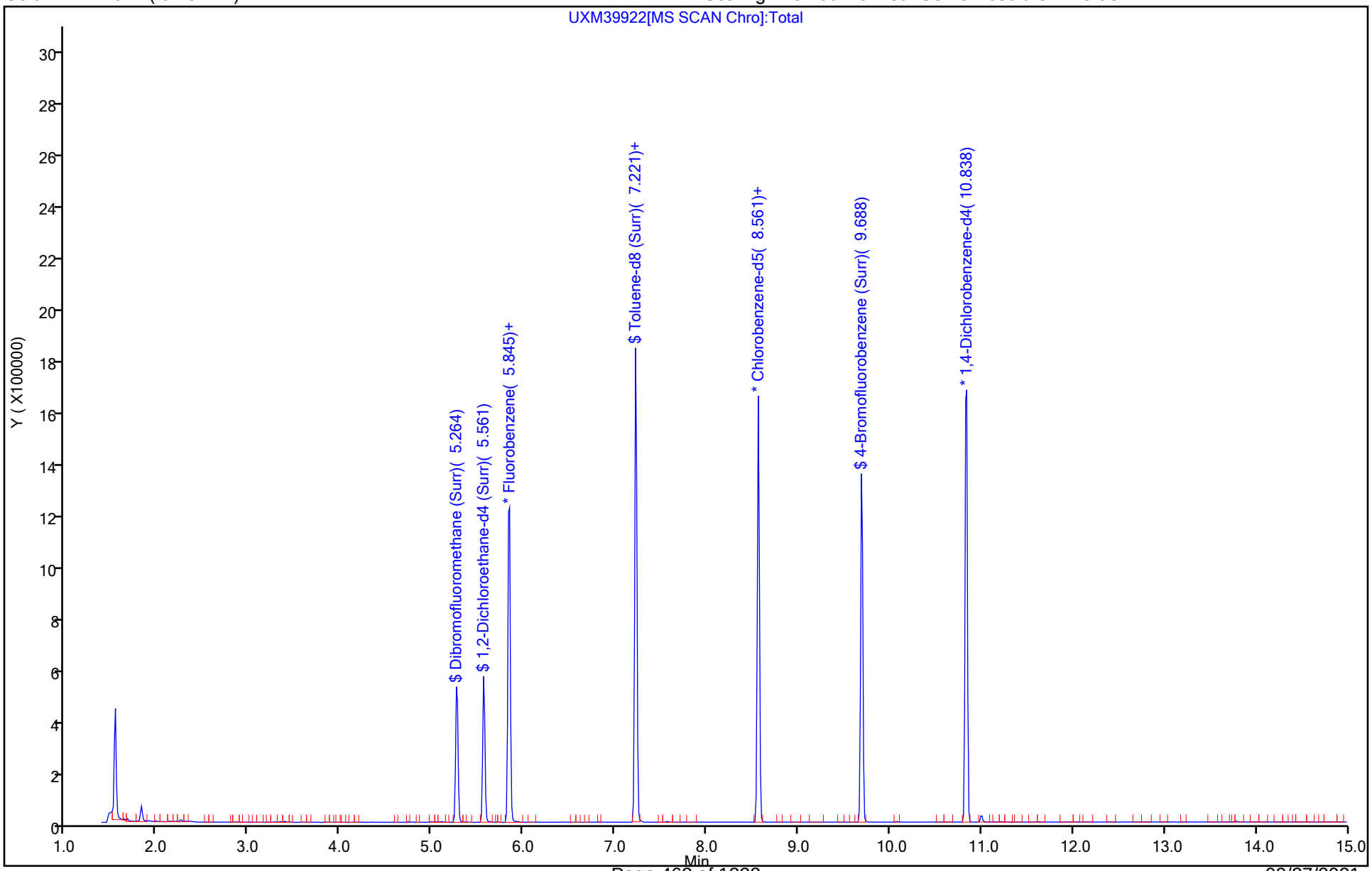
Report Date: 21-Sep-2021 08:39:39 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\UXM39922.D

Injection Date:	20-Sep-2021 19:02:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156133-B-16	Lab Sample ID:	240-156133-16	Worklist Smp#:	24
Client ID:	MSA-SW41D-091421				
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
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\UXM39922.D
Lims ID: 240-156133-B-16
Client ID: MSA-SW41D-091421
Sample Type: Client
Inject. Date: 20-Sep-2021 19:02:30 ALS Bottle#: 24 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113298-024
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Sep-2021 08:35:33 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: CTX1681

First Level Reviewer: bosworthh Date: 21-Sep-2021 08:39:38

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	21.5	94.84
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	21.6	95.07
$ 6 Toluene-d8 (Surr)	22.7	21.3	93.87
$ 7 4-Bromofluorobenzene (Surr)	22.7	23.3	102.65

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42A-091421 Lab Sample ID: 240-156133-17

Matrix: Water Lab File ID: UXM40039.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:39

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 14:07

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42A-091421 Lab Sample ID: 240-156133-17

Matrix: Water Lab File ID: UXM40039.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:39

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 14:07

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42A-091421 Lab Sample ID: 240-156133-17

Matrix: Water Lab File ID: UXM40039.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:39

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 14:07

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.: 505049 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		56-136
1868-53-7	Dibromofluoromethane (Surr)	92		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		62-137
2037-26-5	Toluene-d8 (Surr)	92		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42A-091421 Lab Sample ID: 240-156133-17

Matrix: Water Lab File ID: UXM40039.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:39

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 14:07

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42A-091421 Lab Sample ID: 240-156133-17

Matrix: Water Lab File ID: UXM40039.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:39

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 14:07

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.: 505049 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\20210923-113440.b\UXM40039.D
Lims ID: 240-156133-B-17
Client ID: MSA-SW42A-091421
Sample Type: Client
Inject. Date: 23-Sep-2021 14:07:30 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113440-010
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Sep-2021 14:30:37 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: CTX1664

First Level Reviewer: bosworthh Date: 23-Sep-2021 14:30:37

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	100	1271678	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	86	1017053	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	564478	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.264	5.264	0.000	93	321516	20.8	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	387206	21.3	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1295484	20.9	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	89	533096	22.4	
9 Dichlorodifluoromethane	85		1.707				ND	
10 Chloromethane	50		1.897				ND	
11 Vinyl chloride	62		2.015				ND	7
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		3.248				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		3.782				ND	
31 Methyl tert-butyl ether	73		3.936				ND	
32 trans-1,2-Dichloroethene	96		3.948				ND	
35 Vinyl acetate	43		4.339				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		5.680				ND	
58 Trichloroethene	130		6.154				ND	
61 1,2-Dichloropropane	63		6.379				ND	
63 Dibromomethane	93		6.450				ND	
65 Dichlorobromomethane	83		6.604				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		7.102				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		9.190				ND	
88 Bromoform	173		9.367				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		11.182				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		12.972				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_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

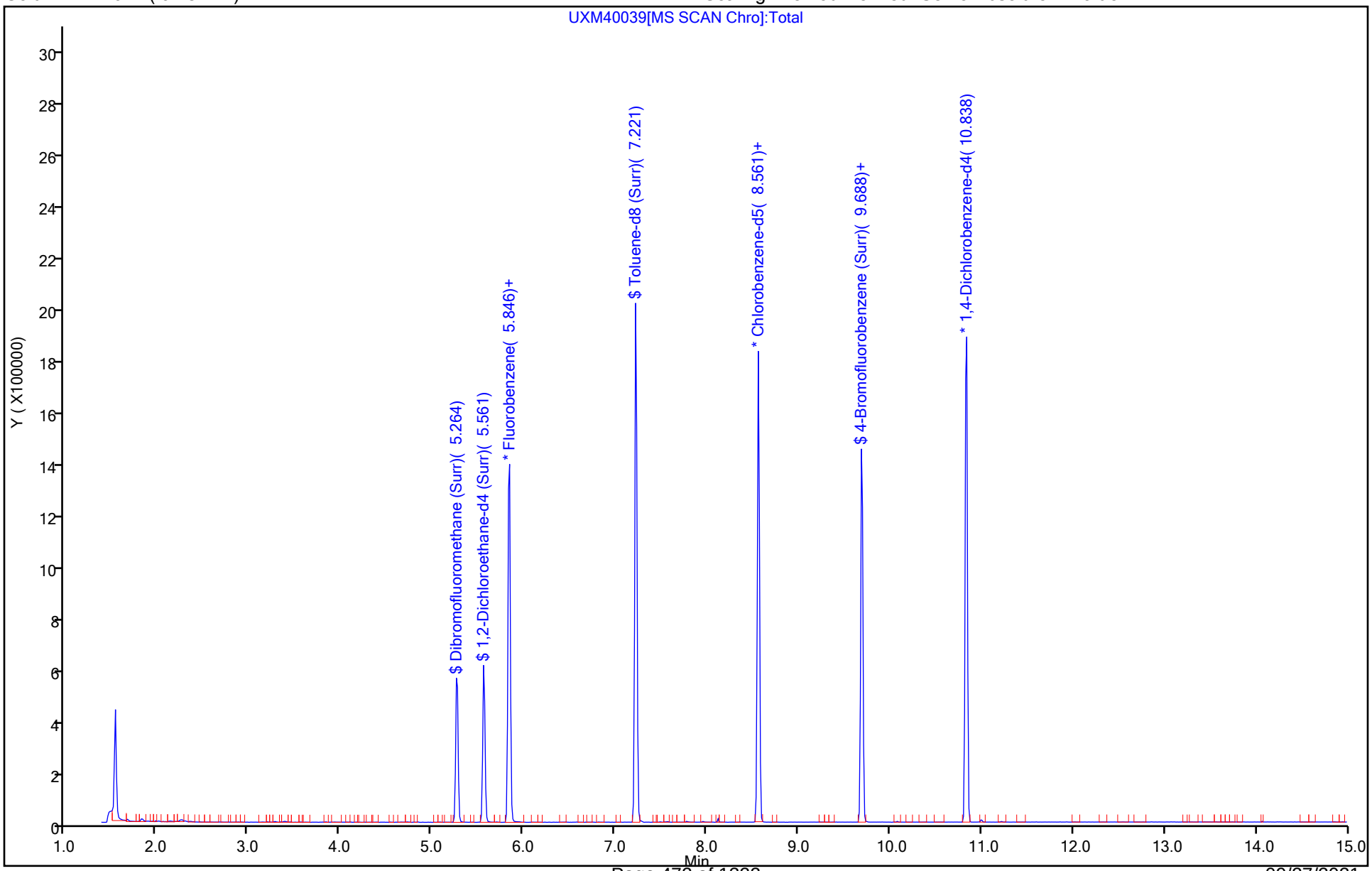
Report Date: 23-Sep-2021 14:35:58 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40039.D

Injection Date:	23-Sep-2021 14:07:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156133-B-17	Lab Sample ID:	240-156133-17	Worklist Smp#:	10
Client ID:	MSA-SW42A-091421				
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



Eurofins TestAmerica, Canton
Recovery Report

Data File:	\\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40039.D				
Lims ID:	240-156133-B-17				
Client ID:	MSA-SW42A-091421				
Sample Type:	Client				
Inject. Date:	23-Sep-2021 14:07:30	ALS Bottle#:	10	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0113440-010				
Operator ID:	001765	Instrument ID:	A3UX16		
Method:	\\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	23-Sep-2021 14:30:37	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:	CTX1664				

First Level Reviewer: bosworthh Date: 23-Sep-2021 14:30:37

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	20.8	91.85
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	21.3	93.70
$ 6 Toluene-d8 (Surr)	22.7	20.9	92.12
$ 7 4-Bromofluorobenzene (Surr)	22.7	22.4	98.58

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42B-091421 Lab Sample ID: 240-156133-18

Matrix: Water Lab File ID: UXM40040.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:42

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 14:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42B-091421 Lab Sample ID: 240-156133-18

Matrix: Water Lab File ID: UXM40040.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:42

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 14:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42B-091421 Lab Sample ID: 240-156133-18

Matrix: Water Lab File ID: UXM40040.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:42

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 14:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		56-136
1868-53-7	Dibromofluoromethane (Surr)	109		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		62-137
2037-26-5	Toluene-d8 (Surr)	90		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42B-091421 Lab Sample ID: 240-156133-18

Matrix: Water Lab File ID: UXM40040.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:42

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 14:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42B-091421 Lab Sample ID: 240-156133-18

Matrix: Water Lab File ID: UXM40040.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:42

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 14:31

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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\20210923-113440.b\UXM40040.D
Lims ID: 240-156133-B-18
Client ID: MSA-SW42B-091421
Sample Type: Client
Inject. Date: 23-Sep-2021 14:31:30 ALS Bottle#: 11 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113440-011
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Sep-2021 15:50:27 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: CTX1664

First Level Reviewer: bosworthh Date: 23-Sep-2021 15:50:27

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	971552	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	86	853371	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	535701	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.276	5.264	0.012	93	292817	24.8	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	97	316509	22.7	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1058421	20.3	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	91	467532	23.4	
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		3.248				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		3.782				ND	
31 Methyl tert-butyl ether	73		3.936				ND	
32 trans-1,2-Dichloroethene	96		3.948				ND	
35 Vinyl acetate	43		4.339				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		5.680				ND	
58 Trichloroethene	130		6.154				ND	
61 1,2-Dichloropropane	63		6.379				ND	
63 Dibromomethane	93		6.450				ND	
65 Dichlorobromomethane	83		6.604				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		7.102				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		9.190				ND	
88 Bromoform	173		9.367				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		11.182				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		12.972				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_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

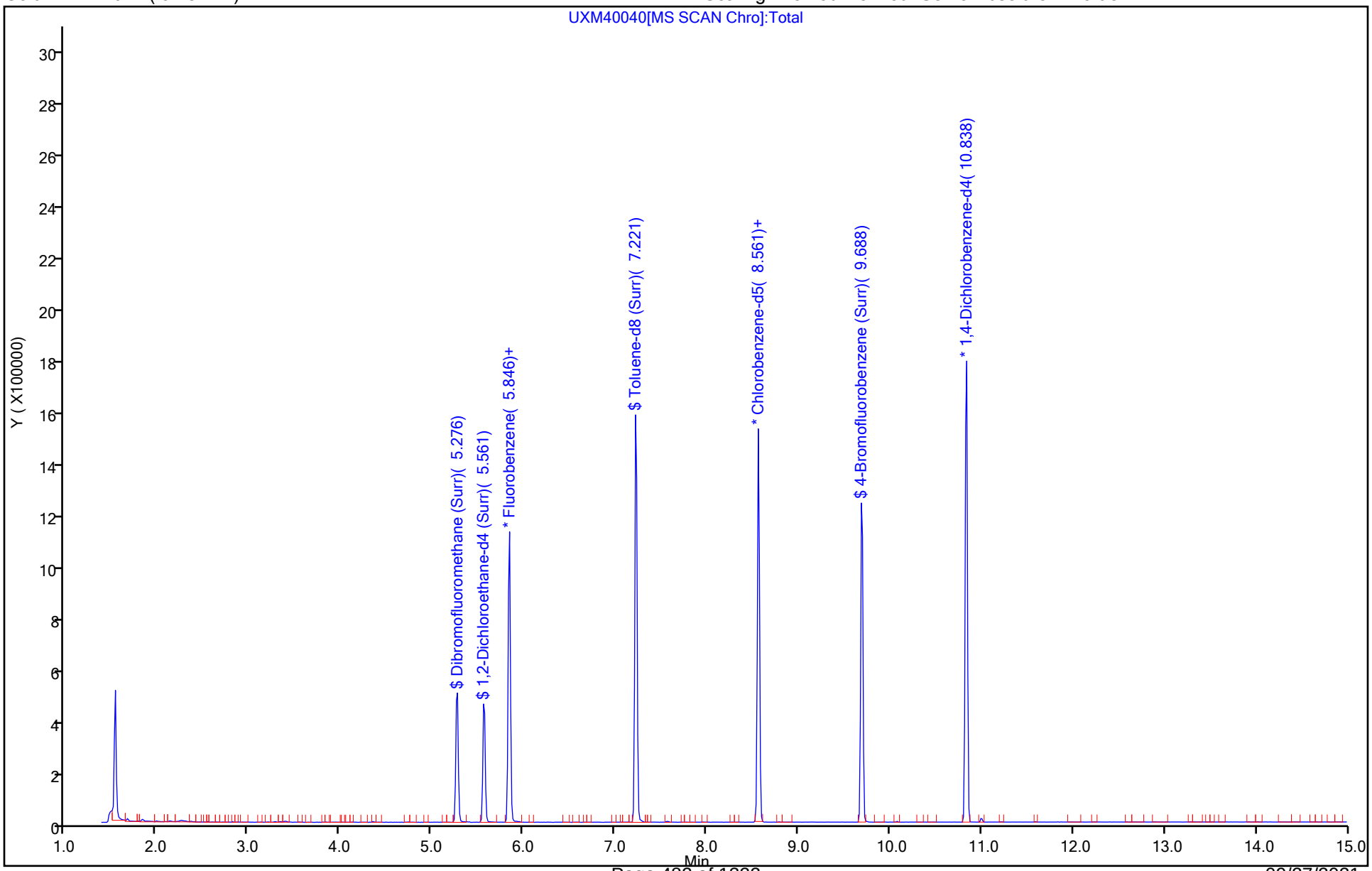
Report Date: 23-Sep-2021 15:50:27 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40040.D

Injection Date:	23-Sep-2021 14:31:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156133-B-18	Lab Sample ID:	240-156133-18	Worklist Smp#:	11
Client ID:	MSA-SW42B-091421				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8260_16	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins TestAmerica, Canton
Recovery Report

Data File:	\\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40040.D				
Lims ID:	240-156133-B-18				
Client ID:	MSA-SW42B-091421				
Sample Type:	Client				
Inject. Date:	23-Sep-2021 14:31:30	ALS Bottle#:	11	Worklist Smp#:	11
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0113440-011				
Operator ID:	001765	Instrument ID:	A3UX16		
Method:	\\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	23-Sep-2021 15:50:27	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:	CTX1664				

First Level Reviewer: bosworthh Date: 23-Sep-2021 15:50:27

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	24.8	109.49
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	22.7	100.25
$ 6 Toluene-d8 (Surr)	22.7	20.3	89.70
$ 7 4-Bromofluorobenzene (Surr)	22.7	23.4	103.04

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42C-091421 Lab Sample ID: 240-156133-19

Matrix: Water Lab File ID: UXM40041.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:44

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 14:55

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42C-091421 Lab Sample ID: 240-156133-19

Matrix: Water Lab File ID: UXM40041.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:44

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 14:55

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42C-091421 Lab Sample ID: 240-156133-19

Matrix: Water Lab File ID: UXM40041.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:44

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 14:55

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.: 505049 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	102		56-136
1868-53-7	Dibromofluoromethane (Surr)	101		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42C-091421 Lab Sample ID: 240-156133-19

Matrix: Water Lab File ID: UXM40041.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:44

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 14:55

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42C-091421 Lab Sample ID: 240-156133-19

Matrix: Water Lab File ID: UXM40041.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:44

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 14:55

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.: 505049 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\20210923-113440.b\UXM40041.D
Lims ID: 240-156133-A-19
Client ID: MSA-SW42C-091421
Sample Type: Client
Inject. Date: 23-Sep-2021 14:55:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113440-012
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Sep-2021 15:53:33 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: CTX1664

First Level Reviewer: bosworthh Date: 23-Sep-2021 15:53:33

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	1124021	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	921654	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	95	532746	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.265	5.264	0.001	93	312884	22.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	356721	22.1	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1183111	21.1	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	91	500705	23.2	
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		3.248				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		3.782				ND	
31 Methyl tert-butyl ether	73		3.936				ND	
32 trans-1,2-Dichloroethene	96		3.948				ND	
35 Vinyl acetate	43		4.339				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		5.680				ND	
58 Trichloroethene	130		6.154				ND	
61 1,2-Dichloropropane	63		6.379				ND	
63 Dibromomethane	93		6.450				ND	
65 Dichlorobromomethane	83		6.604				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		7.102				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		9.190				ND	
88 Bromoform	173		9.367				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		11.182				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		12.972				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_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

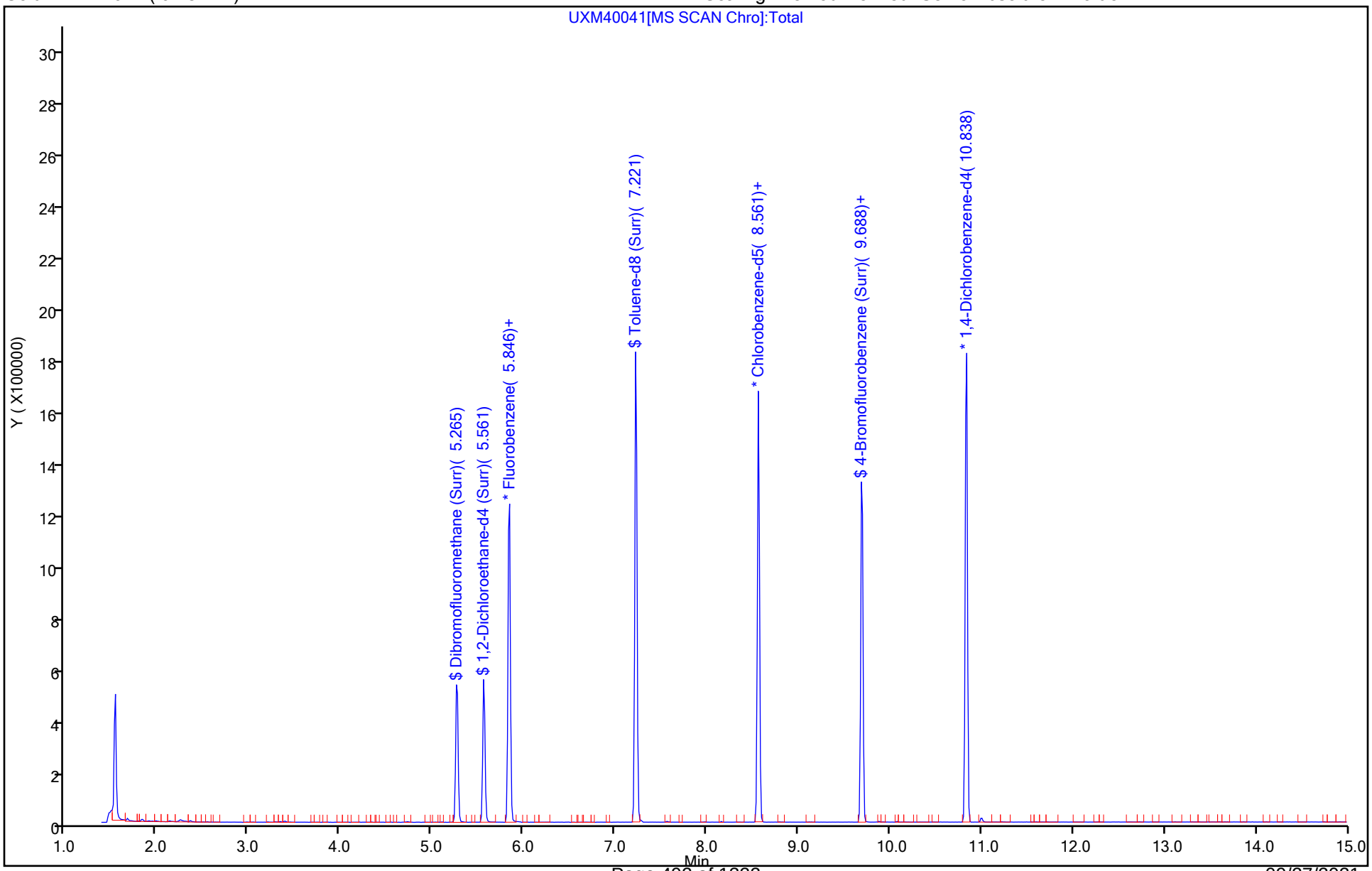
Report Date: 23-Sep-2021 15:53:33 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40041.D

Injection Date:	23-Sep-2021 14:55:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156133-A-19	Lab Sample ID:	240-156133-19	Worklist Smp#:	12
Client ID:	MSA-SW42C-091421				
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
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40041.D
Lims ID: 240-156133-A-19
Client ID: MSA-SW42C-091421
Sample Type: Client
Inject. Date: 23-Sep-2021 14:55:30 ALS Bottle#: 12 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113440-012
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Sep-2021 15:53:33 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: CTX1664

First Level Reviewer: bosworthh Date: 23-Sep-2021 15:53:33

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	22.9	101.12
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	22.1	97.66
$ 6 Toluene-d8 (Surr)	22.7	21.1	92.84
$ 7 4-Bromofluorobenzene (Surr)	22.7	23.2	102.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42D-091421 Lab Sample ID: 240-156133-20

Matrix: Water Lab File ID: UXM40042.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:46

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42D-091421 Lab Sample ID: 240-156133-20

Matrix: Water Lab File ID: UXM40042.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:46

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42D-091421 Lab Sample ID: 240-156133-20

Matrix: Water Lab File ID: UXM40042.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:46

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 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.: 505049 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		56-136
1868-53-7	Dibromofluoromethane (Surr)	110		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		62-137
2037-26-5	Toluene-d8 (Surr)	92		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42D-091421 Lab Sample ID: 240-156133-20

Matrix: Water Lab File ID: UXM40042.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:46

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW42D-091421 Lab Sample ID: 240-156133-20

Matrix: Water Lab File ID: UXM40042.D

Analysis Method: 8260C Date Collected: 09/14/2021 09:46

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 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.: 505049 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\20210923-113440.b\UXM40042.D
Lims ID: 240-156133-B-20
Client ID: MSA-SW42D-091421
Sample Type: Client
Inject. Date: 23-Sep-2021 15:19:30 ALS Bottle#: 13 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113440-013
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Sep-2021 07:47:36 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: CTX1663

First Level Reviewer: bosworthh Date: 24-Sep-2021 07:47:36

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	990633	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	860575	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	95	535423	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.276	5.264	0.012	93	299938	24.9	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	326854	23.0	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1098633	20.9	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	90	481001	23.8	
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		3.248				ND	
21 Acetone	58		3.284				ND	7
24 Carbon disulfide	76		3.450				ND	
28 Methylene Chloride	84		3.711				ND	
29 2-Methyl-2-propanol	59		3.782				ND	
31 Methyl tert-butyl ether	73		3.936				ND	
32 trans-1,2-Dichloroethene	96		3.948				ND	
35 Vinyl acetate	43		4.339				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		5.680				ND	
58 Trichloroethene	130		6.154				ND	
61 1,2-Dichloropropane	63		6.379				ND	
63 Dibromomethane	93		6.450				ND	
65 Dichlorobromomethane	83		6.604				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		7.102				ND	
70 Toluene	91		7.280				ND	7
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		9.190				ND	
88 Bromoform	173		9.367				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		11.182				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		12.972				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_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

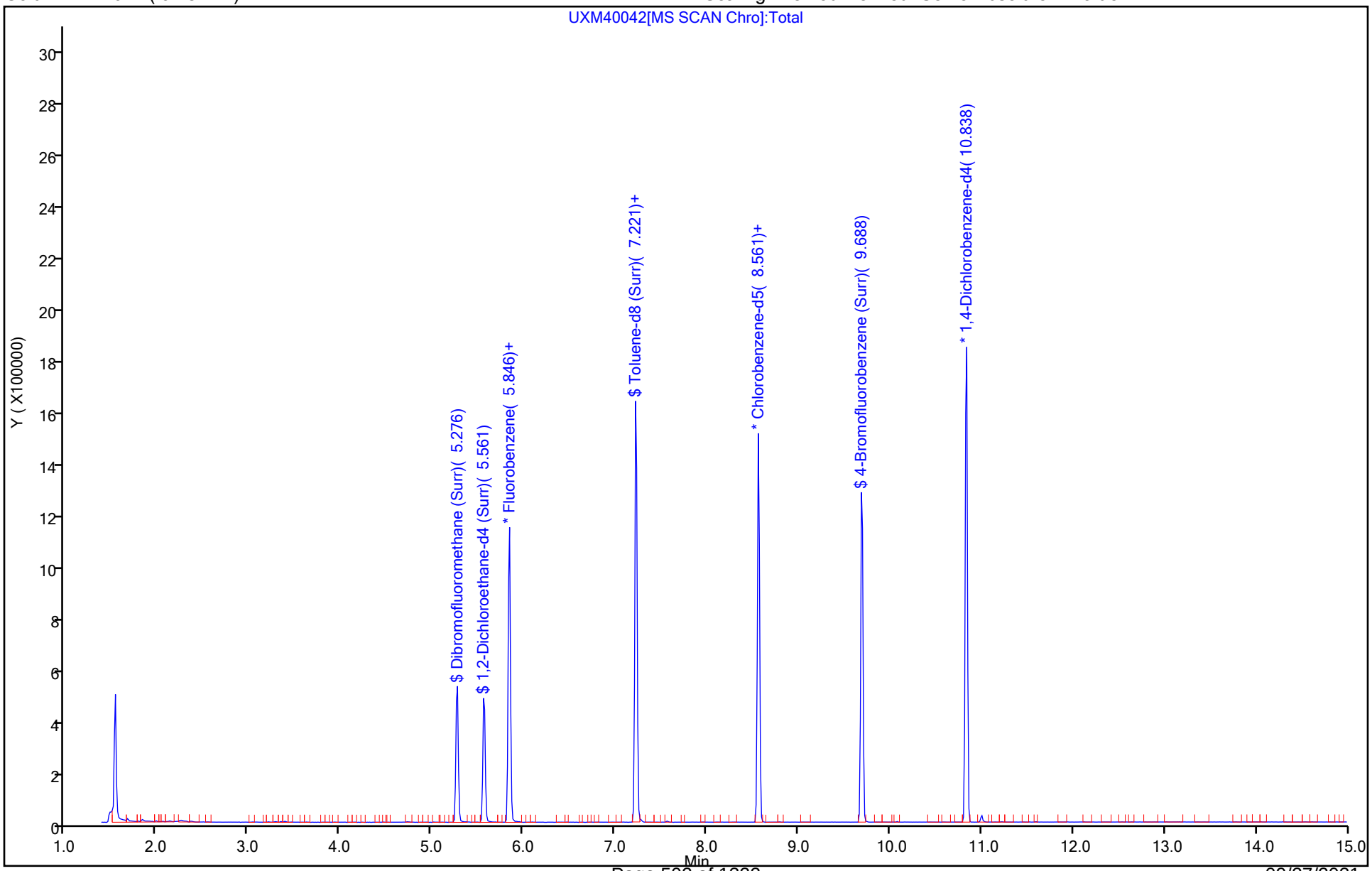
Report Date: 24-Sep-2021 07:47:36 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40042.D

Injection Date:	23-Sep-2021 15:19:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156133-B-20	Lab Sample ID:	240-156133-20	Worklist Smp#:	13
Client ID:	MSA-SW42D-091421				
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
Recovery Report

Data File:	\\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40042.D				
Lims ID:	240-156133-B-20				
Client ID:	MSA-SW42D-091421				
Sample Type:	Client				
Inject. Date:	23-Sep-2021 15:19:30	ALS Bottle#:	13	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0113440-013				
Operator ID:	001765	Instrument ID:	A3UX16		
Method:	\\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	24-Sep-2021 07:47:36	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:	CTX1663				

First Level Reviewer: bosworthh Date: 24-Sep-2021 07:47:36

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	24.9	109.99
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	23.0	101.53
$ 6 Toluene-d8 (Surr)	22.7	20.9	92.33
$ 7 4-Bromofluorobenzene (Surr)	22.7	23.8	105.12

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43A-091421 Lab Sample ID: 240-156133-21

Matrix: Water Lab File ID: UXM40043.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:35

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 15:43

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43A-091421 Lab Sample ID: 240-156133-21

Matrix: Water Lab File ID: UXM40043.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:35

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 15:43

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43A-091421 Lab Sample ID: 240-156133-21

Matrix: Water Lab File ID: UXM40043.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:35

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 15:43

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		56-136
1868-53-7	Dibromofluoromethane (Surr)	97		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		62-137
2037-26-5	Toluene-d8 (Surr)	94		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43A-091421 Lab Sample ID: 240-156133-21

Matrix: Water Lab File ID: UXM40043.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:35

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 15:43

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43A-091421 Lab Sample ID: 240-156133-21

Matrix: Water Lab File ID: UXM40043.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:35

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 15:43

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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\20210923-113440.b\UXM40043.D
Lims ID: 240-156133-B-21
Client ID: MSA-SW43A-091421
Sample Type: Client
Inject. Date: 23-Sep-2021 15:43:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113440-014
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Sep-2021 07:48:25 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: CTX1663

First Level Reviewer: bosworthh Date: 24-Sep-2021 07:48:25

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	1198002	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	974696	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	548029	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.264	5.264	0.000	93	321291	22.1	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	377907	22.0	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1260595	21.2	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	91	512380	22.4	
9 Dichlorodifluoromethane	85		1.707				ND	
10 Chloromethane	50		1.897				ND	
11 Vinyl chloride	62		2.015				ND	7
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		3.248				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		3.782				ND	
31 Methyl tert-butyl ether	73		3.936				ND	
32 trans-1,2-Dichloroethene	96		3.948				ND	
35 Vinyl acetate	43		4.339				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		5.680				ND	
58 Trichloroethene	130	6.154	6.154	0.000	81	2426	0.1543	
61 1,2-Dichloropropane	63		6.379				ND	
63 Dibromomethane	93		6.450				ND	
65 Dichlorobromomethane	83		6.604				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		7.102				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		9.190				ND	
88 Bromoform	173		9.367				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		11.182				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		12.972				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_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

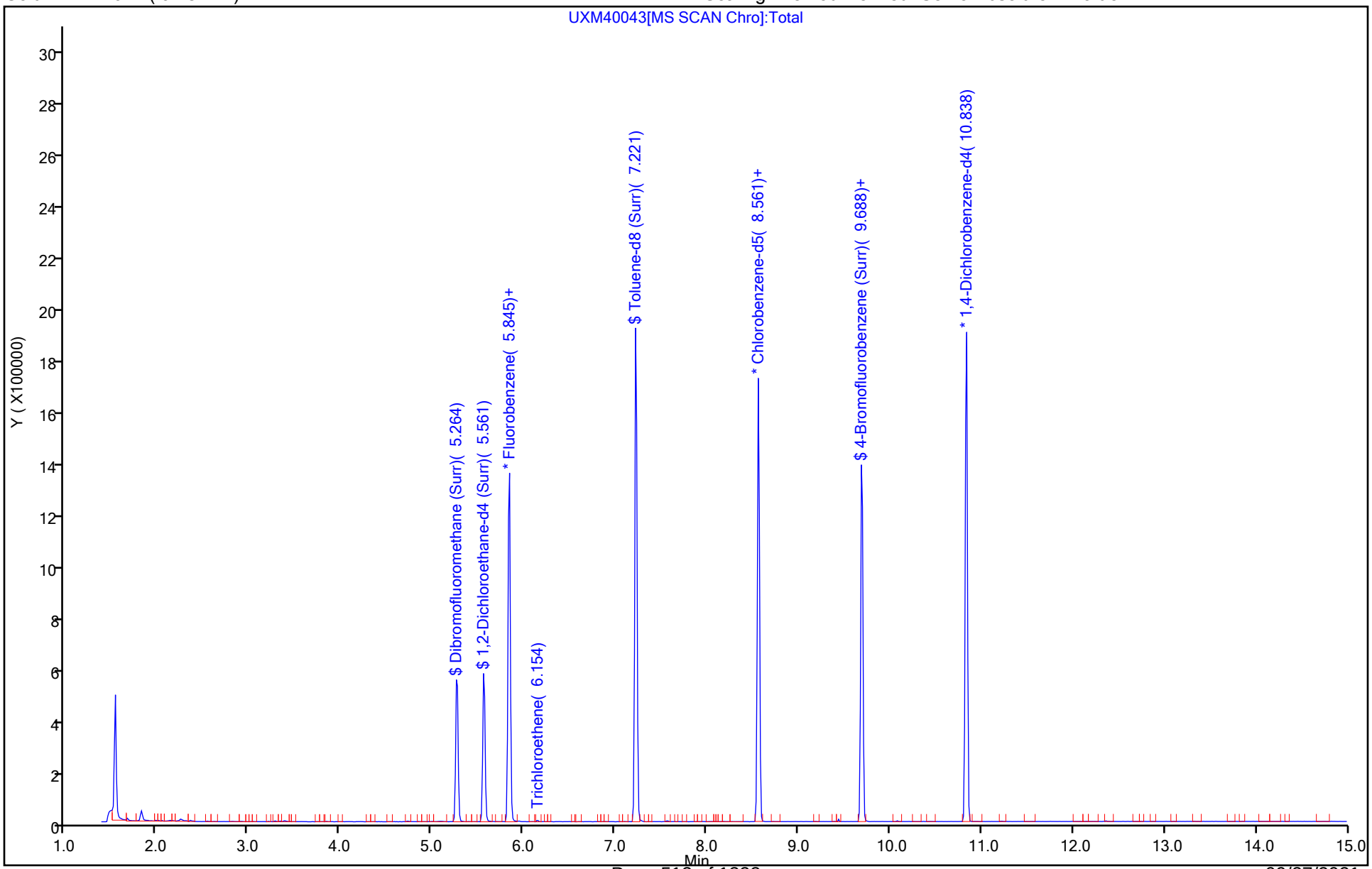
Report Date: 24-Sep-2021 07:48:25 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40043.D

Injection Date:	23-Sep-2021 15:43:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156133-B-21	Lab Sample ID:	240-156133-21	Worklist Smp#:	14
Client ID:	MSA-SW43A-091421				
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
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40043.D
Lims ID: 240-156133-B-21
Client ID: MSA-SW43A-091421
Sample Type: Client
Inject. Date: 23-Sep-2021 15:43:30 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113440-014
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Sep-2021 07:48:25 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: CTX1663

First Level Reviewer: bosworthh Date: 24-Sep-2021 07:48:25

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	22.1	97.43
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	22.0	97.07
$ 6 Toluene-d8 (Surr)	22.7	21.2	93.54
$ 7 4-Bromofluorobenzene (Surr)	22.7	22.4	98.87

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43B-091421 Lab Sample ID: 240-156133-22

Matrix: Water Lab File ID: UXM40044.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:38

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 16:08

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43B-091421 Lab Sample ID: 240-156133-22

Matrix: Water Lab File ID: UXM40044.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:38

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 16:08

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43B-091421 Lab Sample ID: 240-156133-22

Matrix: Water Lab File ID: UXM40044.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:38

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 16:08

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.: 505049 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		56-136
1868-53-7	Dibromofluoromethane (Surr)	109		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		62-137
2037-26-5	Toluene-d8 (Surr)	91		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43B-091421 Lab Sample ID: 240-156133-22

Matrix: Water Lab File ID: UXM40044.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:38

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 16:08

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43B-091421 Lab Sample ID: 240-156133-22

Matrix: Water Lab File ID: UXM40044.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:38

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 16:08

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.: 505049 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\20210923-113440.b\UXM40044.D
Lims ID: 240-156133-B-22
Client ID: MSA-SW43B-091421
Sample Type: Client
Inject. Date: 23-Sep-2021 16:08:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113440-015
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Sep-2021 07:49:06 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: CTX1663

First Level Reviewer: bosworthh Date: 24-Sep-2021 07:49:06

	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	1018052	20.0	
*	2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	871282	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	95	536606	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.276	5.264	0.012	94	306682	24.8	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	97	334540	22.9	
$	6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1100515	20.7	
$	7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	89	481617	23.6	
	9 Dichlorodifluoromethane	85		1.707				ND	
	10 Chloromethane	50		1.897				ND	7
	11 Vinyl chloride	62		2.015				ND	7
	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		3.248				ND	
	21 Acetone	58		3.284				ND	7
	24 Carbon disulfide	76		3.450				ND	
	28 Methylene Chloride	84		3.711				ND	
	29 2-Methyl-2-propanol	59		3.782				ND	
	31 Methyl tert-butyl ether	73		3.936				ND	
	32 trans-1,2-Dichloroethene	96		3.948				ND	
	35 Vinyl acetate	43		4.339				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		5.680				ND	
58 Trichloroethene	130		6.154				ND	
61 1,2-Dichloropropane	63		6.379				ND	
63 Dibromomethane	93		6.450				ND	
65 Dichlorobromomethane	83		6.604				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		7.102				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		9.190				ND	
88 Bromoform	173		9.367				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		11.182				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		12.972				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_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

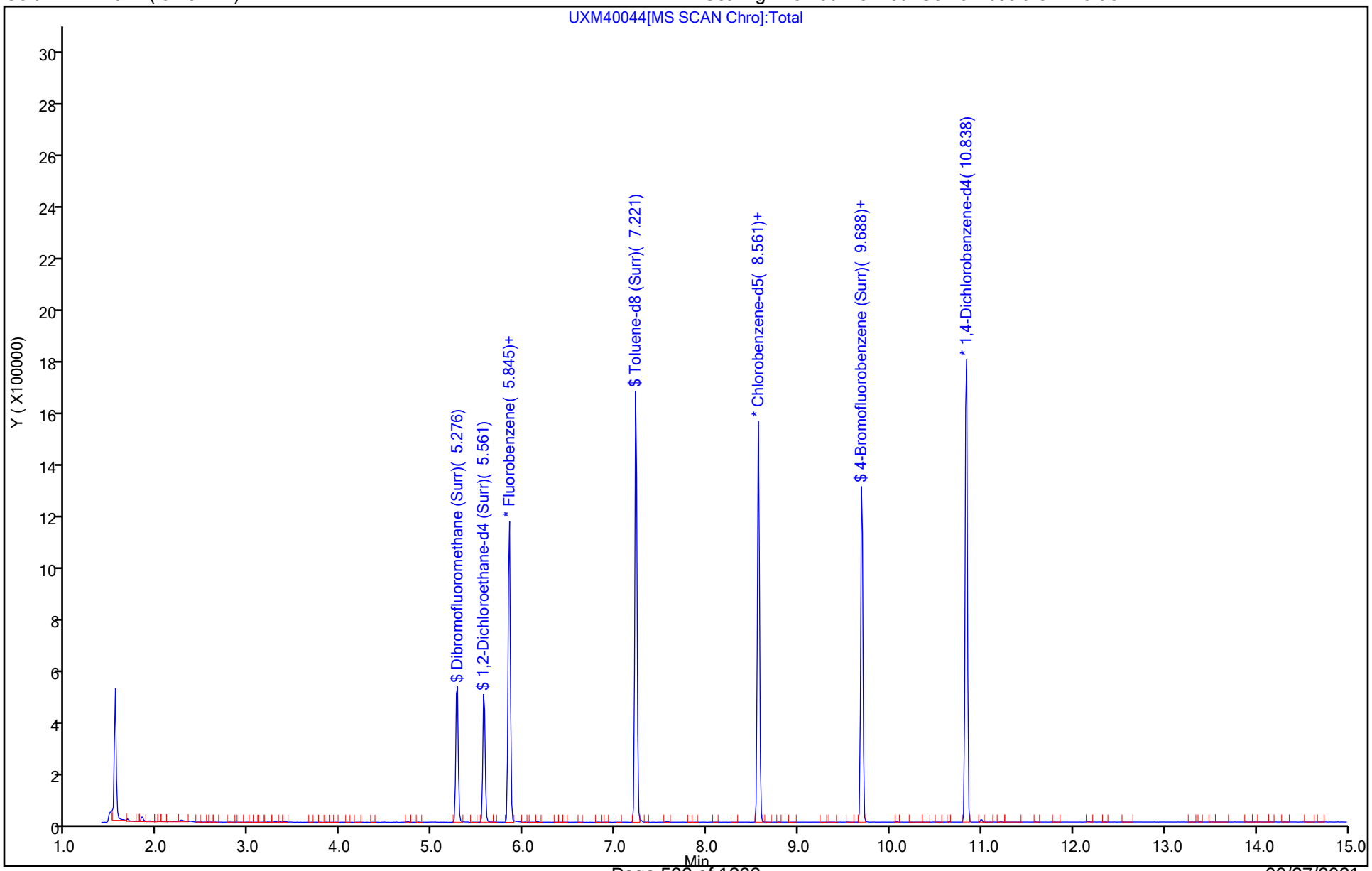
Report Date: 24-Sep-2021 07:49:07 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40044.D

Injection Date:	23-Sep-2021 16:08:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156133-B-22	Lab Sample ID:	240-156133-22	Worklist Smp#:	15
Client ID:	MSA-SW43B-091421				
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
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40044.D
Lims ID: 240-156133-B-22
Client ID: MSA-SW43B-091421
Sample Type: Client
Inject. Date: 23-Sep-2021 16:08:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113440-015
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Sep-2021 07:49:06 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: CTX1663

First Level Reviewer: bosworthh Date: 24-Sep-2021 07:49:06

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	24.8	109.44
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	22.9	101.12
$ 6 Toluene-d8 (Surr)	22.7	20.7	91.35
$ 7 4-Bromofluorobenzene (Surr)	22.7	23.6	103.96

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43C-091421 Lab Sample ID: 240-156133-23

Matrix: Water Lab File ID: UXM40045.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:41

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 16:32

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43C-091421 Lab Sample ID: 240-156133-23

Matrix: Water Lab File ID: UXM40045.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:41

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 16:32

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43C-091421 Lab Sample ID: 240-156133-23

Matrix: Water Lab File ID: UXM40045.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:41

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 16:32

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.: 505049 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	102		56-136
1868-53-7	Dibromofluoromethane (Surr)	102		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		62-137
2037-26-5	Toluene-d8 (Surr)	91		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43C-091421 Lab Sample ID: 240-156133-23

Matrix: Water Lab File ID: UXM40045.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:41

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 16:32

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43C-091421 Lab Sample ID: 240-156133-23

Matrix: Water Lab File ID: UXM40045.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:41

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 16:32

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.: 505049 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\20210923-113440.b\UXM40045.D
Lims ID: 240-156133-B-23
Client ID: MSA-SW43C-091421
Sample Type: Client
Inject. Date: 23-Sep-2021 16:32:30 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113440-016
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Sep-2021 07:49:37 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: CTX1663

First Level Reviewer: bosworthh Date: 24-Sep-2021 07:49:37

	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	1140744	20.0	
*	2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	943312	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	555159	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.264	5.264	0.000	94	320320	23.1	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	364710	22.3	
$	6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1191991	20.7	
$	7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	89	511459	23.1	
	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		3.248				ND	
	21 Acetone	58		3.284				ND	
	24 Carbon disulfide	76		3.450				ND	7
	28 Methylene Chloride	84		3.711				ND	
	29 2-Methyl-2-propanol	59		3.782				ND	
	31 Methyl tert-butyl ether	73		3.936				ND	
	32 trans-1,2-Dichloroethene	96		3.948				ND	
	35 Vinyl acetate	43		4.339				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	7
53 1,2-Dichloroethane	62		5.632				ND	
55 Tert-amyl methyl ether	73		5.680				ND	
58 Trichloroethene	130		6.154				ND	
61 1,2-Dichloropropane	63		6.379				ND	
63 Dibromomethane	93		6.450				ND	
65 Dichlorobromomethane	83		6.604				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		7.102				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		9.190				ND	
88 Bromoform	173		9.367				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		11.182				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		12.972				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_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

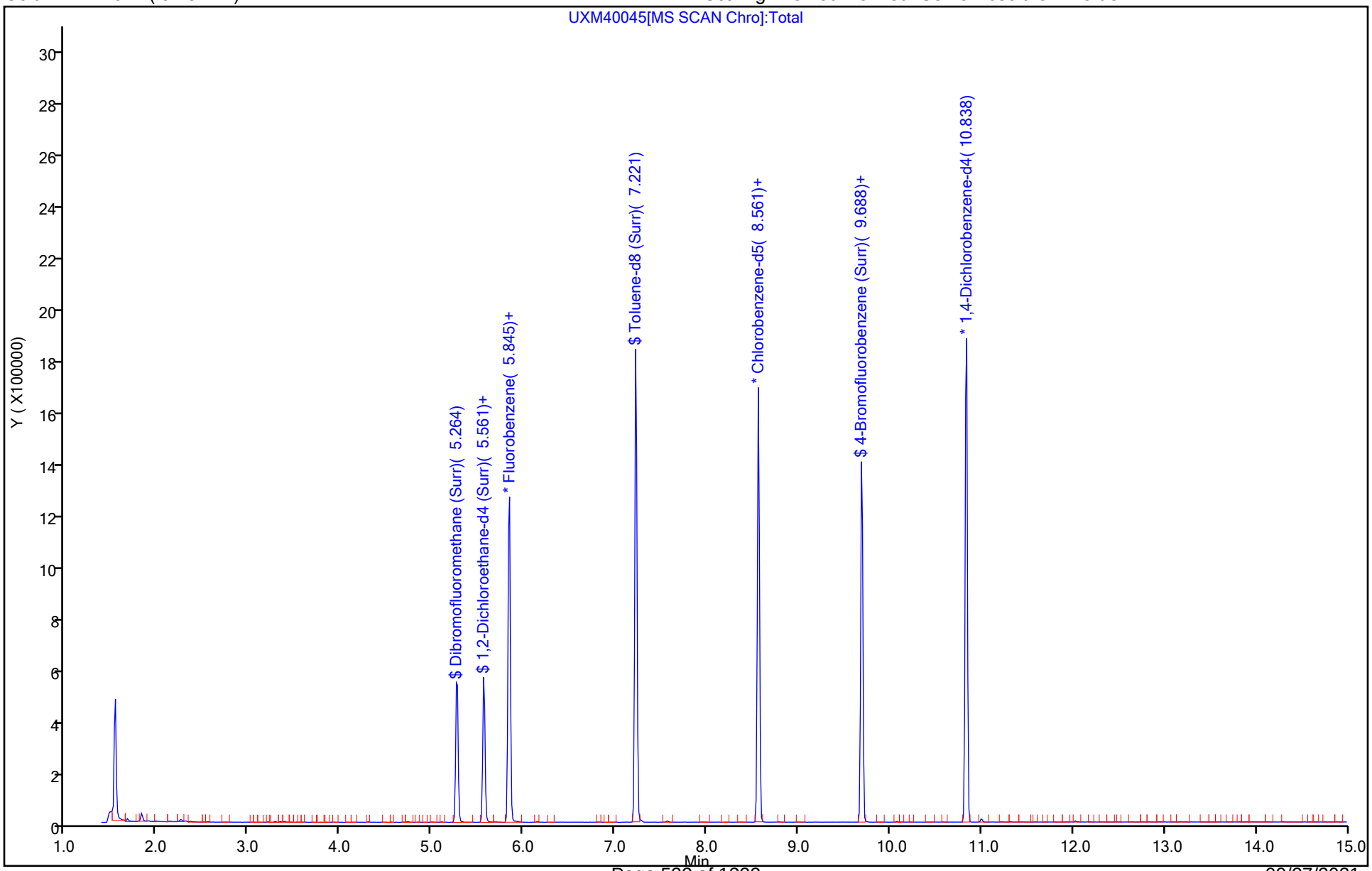
Report Date: 24-Sep-2021 07:49:37 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40045.D

Injection Date:	23-Sep-2021 16:32:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156133-B-23	Lab Sample ID:	240-156133-23	Worklist Smp#:	16
Client ID:	MSA-SW43C-091421				
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



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40045.D
Lims ID: 240-156133-B-23
Client ID: MSA-SW43C-091421
Sample Type: Client
Inject. Date: 23-Sep-2021 16:32:30 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113440-016
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Sep-2021 07:49:37 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: CTX1663

First Level Reviewer: bosworthh Date: 24-Sep-2021 07:49:37

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	23.1	102.01
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	22.3	98.38
$ 6 Toluene-d8 (Surr)	22.7	20.7	91.39
$ 7 4-Bromofluorobenzene (Surr)	22.7	23.1	101.97

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43D-091421 Lab Sample ID: 240-156133-24

Matrix: Water Lab File ID: UXM40046.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:44

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 16:56

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43D-091421 Lab Sample ID: 240-156133-24

Matrix: Water Lab File ID: UXM40046.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:44

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 16:56

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43D-091421 Lab Sample ID: 240-156133-24

Matrix: Water Lab File ID: UXM40046.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:44

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 16:56

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		56-136
1868-53-7	Dibromofluoromethane (Surr)	106		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		62-137
2037-26-5	Toluene-d8 (Surr)	92		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43D-091421 Lab Sample ID: 240-156133-24

Matrix: Water Lab File ID: UXM40046.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:44

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 16:56

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW43D-091421 Lab Sample ID: 240-156133-24

Matrix: Water Lab File ID: UXM40046.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:44

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 16:56

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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\20210923-113440.b\UXM40046.D
Lims ID: 240-156133-B-24
Client ID: MSA-SW43D-091421
Sample Type: Client
Inject. Date: 23-Sep-2021 16:56:30 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113440-017
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Sep-2021 07:50:31 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: CTX1663

First Level Reviewer: bosworthh Date: 24-Sep-2021 07:50:31

	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	1144090	20.0	
*	2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	951102	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	578778	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.264	5.264	0.000	94	334179	24.1	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	370876	22.6	
$	6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1215199	21.0	
$	7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	89	519447	23.3	
	9 Dichlorodifluoromethane	85		1.707				ND	
	10 Chloromethane	50		1.897				ND	7
	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		3.248				ND	
	21 Acetone	58		3.284				ND	7
	24 Carbon disulfide	76		3.450				ND	
	28 Methylene Chloride	84		3.711				ND	
	29 2-Methyl-2-propanol	59		3.782				ND	
	31 Methyl tert-butyl ether	73		3.936				ND	
	32 trans-1,2-Dichloroethene	96		3.948				ND	
	35 Vinyl acetate	43		4.339				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		5.680				ND	
58 Trichloroethene	130		6.154				ND	
61 1,2-Dichloropropane	63		6.379				ND	
63 Dibromomethane	93		6.450				ND	
65 Dichlorobromomethane	83		6.604				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		7.102				ND	
70 Toluene	91		7.280				ND	7
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		9.190				ND	
88 Bromoform	173		9.367				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		11.182				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		12.972				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_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

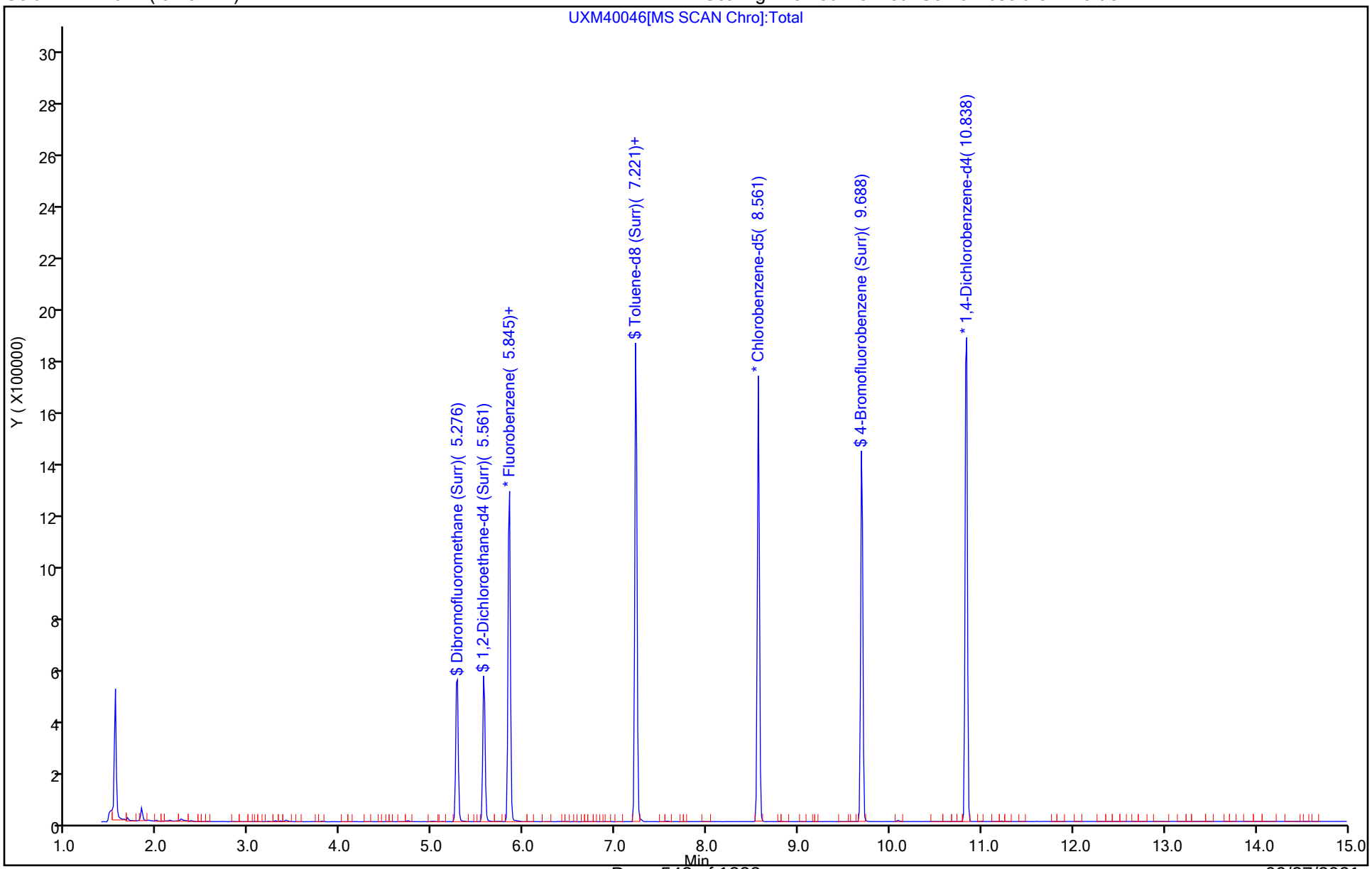
Report Date: 24-Sep-2021 07:50:32 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40046.D

Injection Date:	23-Sep-2021 16:56:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156133-B-24	Lab Sample ID:	240-156133-24	Worklist Smp#:	17
Client ID:	MSA-SW43D-091421				
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



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40046.D
Lims ID: 240-156133-B-24
Client ID: MSA-SW43D-091421
Sample Type: Client
Inject. Date: 23-Sep-2021 16:56:30 ALS Bottle#: 17 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113440-017
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Sep-2021 07:50:31 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: CTX1663

First Level Reviewer: bosworthh Date: 24-Sep-2021 07:50:31

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	24.1	106.11
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	22.6	99.75
$ 6 Toluene-d8 (Surr)	22.7	21.0	92.41
$ 7 4-Bromofluorobenzene (Surr)	22.7	23.3	102.72

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44A-091421 Lab Sample ID: 240-156133-25

Matrix: Water Lab File ID: UXM40047.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:20

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 17:21

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44A-091421 Lab Sample ID: 240-156133-25

Matrix: Water Lab File ID: UXM40047.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:20

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 17:21

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44A-091421 Lab Sample ID: 240-156133-25

Matrix: Water Lab File ID: UXM40047.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:20

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 17:21

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		56-136
1868-53-7	Dibromofluoromethane (Surr)	105		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44A-091421 Lab Sample ID: 240-156133-25

Matrix: Water Lab File ID: UXM40047.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:20

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 17:21

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44A-091421 Lab Sample ID: 240-156133-25

Matrix: Water Lab File ID: UXM40047.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:20

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 17:21

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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\20210923-113440.b\UXM40047.D
Lims ID: 240-156133-A-25
Client ID: MSA-SW44A-091421
Sample Type: Client
Inject. Date: 23-Sep-2021 17:21:30 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113440-018
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Sep-2021 07:52:15 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: CTX1663

First Level Reviewer: bosworthh Date: 24-Sep-2021 07:52:15

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	1121745	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	942697	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	556337	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.265	5.264	0.001	93	323128	23.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	361276	22.5	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1217248	21.2	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	91	516231	23.4	
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		3.248				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		3.782				ND	
31 Methyl tert-butyl ether	73		3.936				ND	
32 trans-1,2-Dichloroethene	96		3.948				ND	
35 Vinyl acetate	43		4.339				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	7
53 1,2-Dichloroethane	62		5.632				ND	
55 Tert-amyl methyl ether	73		5.680				ND	
58 Trichloroethene	130		6.154				ND	
61 1,2-Dichloropropane	63		6.379				ND	
63 Dibromomethane	93		6.450				ND	
65 Dichlorobromomethane	83		6.604				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		7.102				ND	
70 Toluene	91	7.280	7.280	0.000	98	7416	0.1098	
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		9.190				ND	
88 Bromoform	173		9.367				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		11.182				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		12.972				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_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

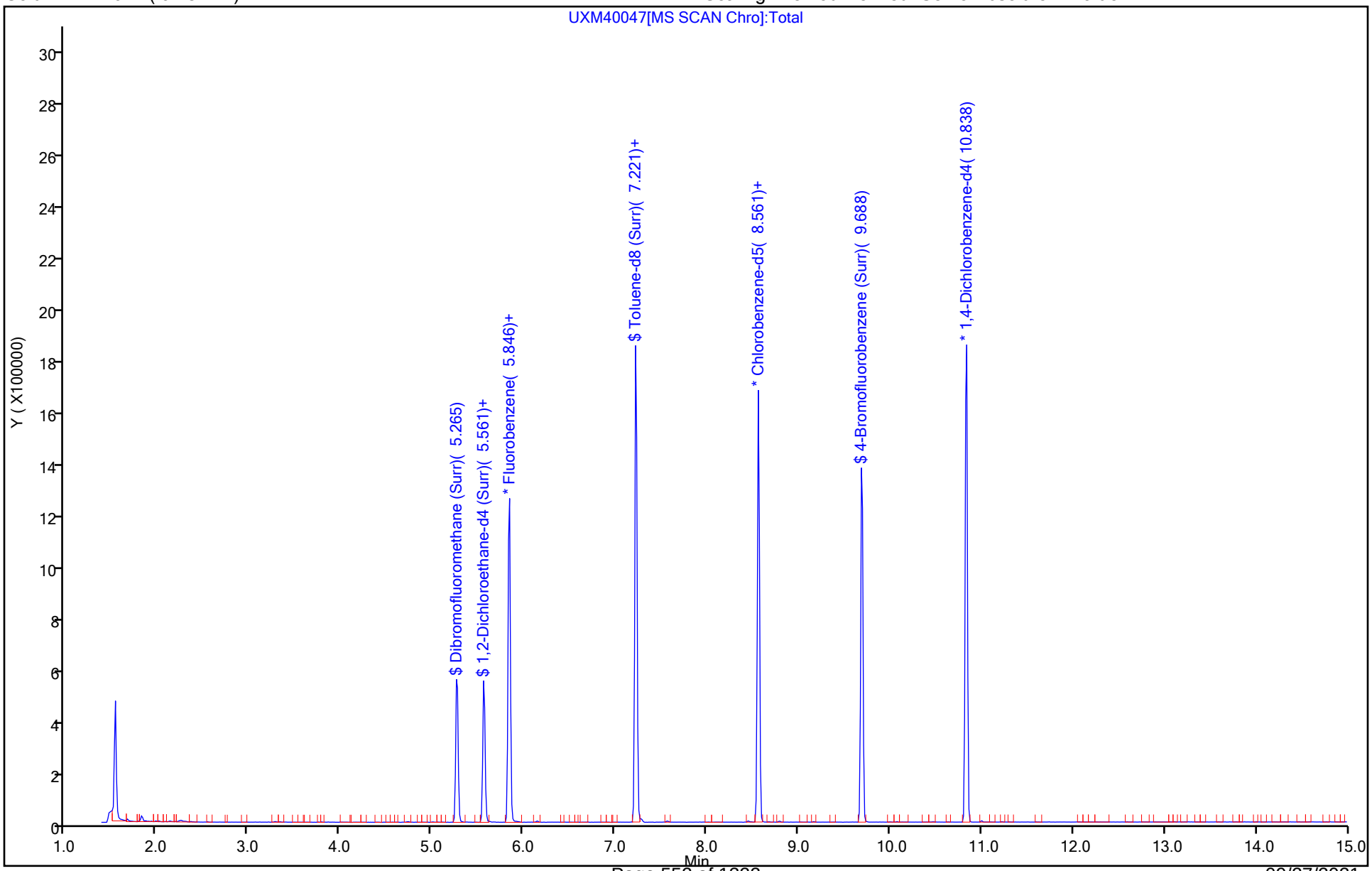
Report Date: 24-Sep-2021 07:52:15 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40047.D

Injection Date:	23-Sep-2021 17:21:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156133-A-25	Lab Sample ID:	240-156133-25	Worklist Smp#:	18
Client ID:	MSA-SW44A-091421				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
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\20210923-113440.b\UXM40047.D
Lims ID: 240-156133-A-25
Client ID: MSA-SW44A-091421
Sample Type: Client
Inject. Date: 23-Sep-2021 17:21:30 ALS Bottle#: 18 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113440-018
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Sep-2021 07:52:15 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: CTX1663

First Level Reviewer: bosworthh Date: 24-Sep-2021 07:52:15

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	23.7	104.65
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	22.5	99.11
$ 6 Toluene-d8 (Surr)	22.7	21.2	93.39
$ 7 4-Bromofluorobenzene (Surr)	22.7	23.4	102.99

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44B-091421 Lab Sample ID: 240-156133-26

Matrix: Water Lab File ID: UXM40048.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:27

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 17:45

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44B-091421 Lab Sample ID: 240-156133-26

Matrix: Water Lab File ID: UXM40048.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:27

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 17:45

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44B-091421 Lab Sample ID: 240-156133-26

Matrix: Water Lab File ID: UXM40048.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:27

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 17:45

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.: 505049 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		56-136
1868-53-7	Dibromofluoromethane (Surr)	108		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44B-091421 Lab Sample ID: 240-156133-26

Matrix: Water Lab File ID: UXM40048.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:27

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 17:45

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44B-091421 Lab Sample ID: 240-156133-26

Matrix: Water Lab File ID: UXM40048.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:27

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 17:45

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.: 505049 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\20210923-113440.b\UXM40048.D
Lims ID: 240-156133-B-26
Client ID: MSA-SW44B-091421
Sample Type: Client
Inject. Date: 23-Sep-2021 17:45:30 ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113440-019
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Sep-2021 07:53:21 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: CTX1663

First Level Reviewer: bosworthh Date: 24-Sep-2021 07:53:21

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	1091805	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	927375	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	95	566412	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.276	5.264	0.012	94	325041	24.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	367202	23.5	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1192553	21.1	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	89	508819	23.4	
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		3.248				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		3.782				ND	U
31 Methyl tert-butyl ether	73		3.936				ND	
32 trans-1,2-Dichloroethene	96		3.948				ND	
35 Vinyl acetate	43		4.339				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		5.680				ND	
58 Trichloroethene	130	6.154	6.154	0.000	80	1788	0.1248	
61 1,2-Dichloropropane	63		6.379				ND	
63 Dibromomethane	93		6.450				ND	
65 Dichlorobromomethane	83		6.604				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		7.102				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		9.190				ND	
88 Bromoform	173		9.367				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		11.182				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		12.972				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

Review Flags

U - Marked Undetected

Reagents:

vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

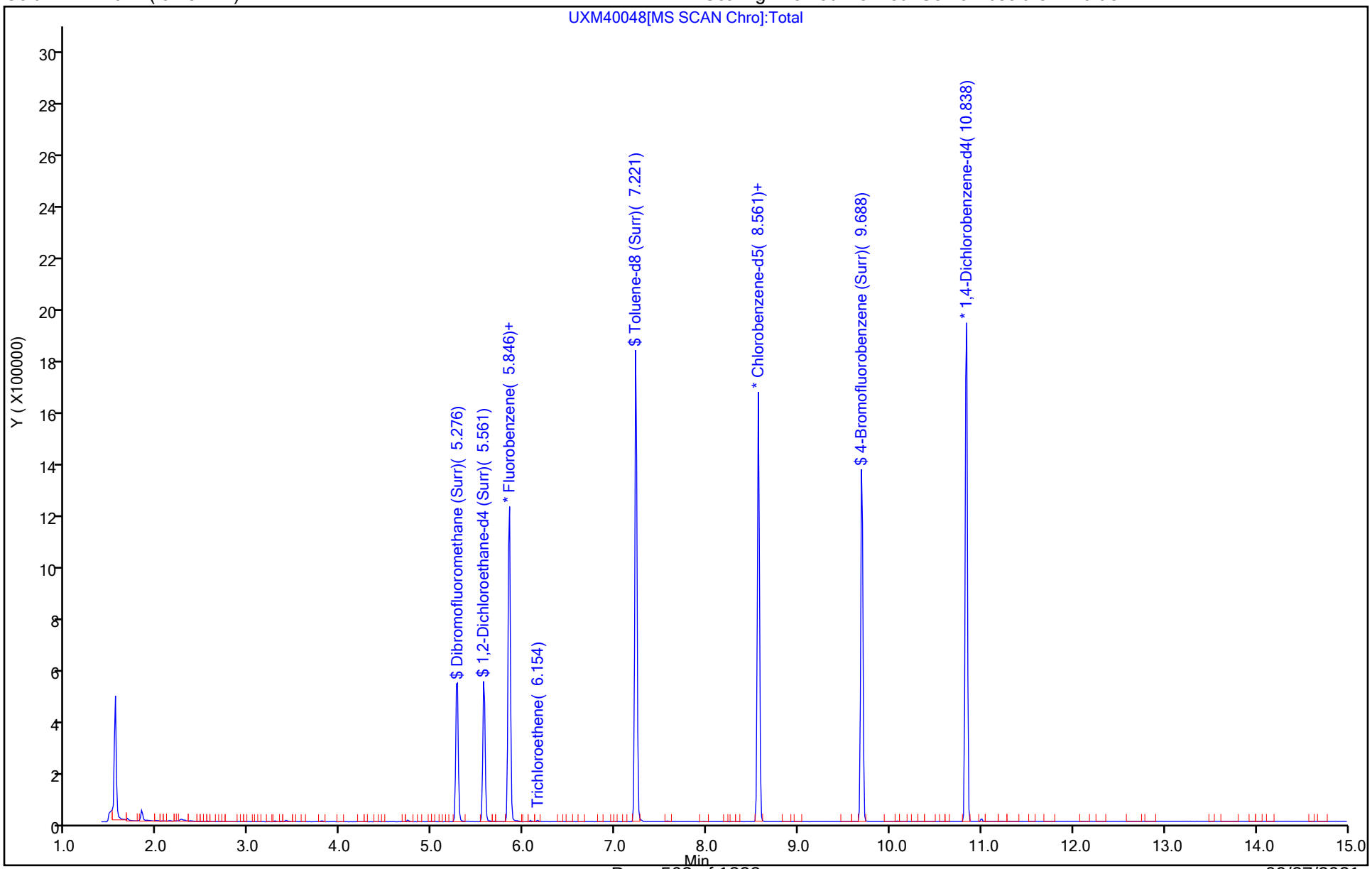
Report Date: 24-Sep-2021 07:53:21 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40048.D

Injection Date:	23-Sep-2021 17:45:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156133-B-26	Lab Sample ID:	240-156133-26	Worklist Smp#:	19
Client ID:	MSA-SW44B-091421				
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\20210923-113440.b\UXM40048.D
Lims ID: 240-156133-B-26
Client ID: MSA-SW44B-091421
Sample Type: Client
Inject. Date: 23-Sep-2021 17:45:30 ALS Bottle#: 19 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113440-019
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Sep-2021 07:53:21 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: CTX1663

First Level Reviewer: bosworthh Date: 24-Sep-2021 07:53:21

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	24.5	108.15
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	23.5	103.49
$ 6 Toluene-d8 (Surr)	22.7	21.1	93.00
$ 7 4-Bromofluorobenzene (Surr)	22.7	23.4	103.19

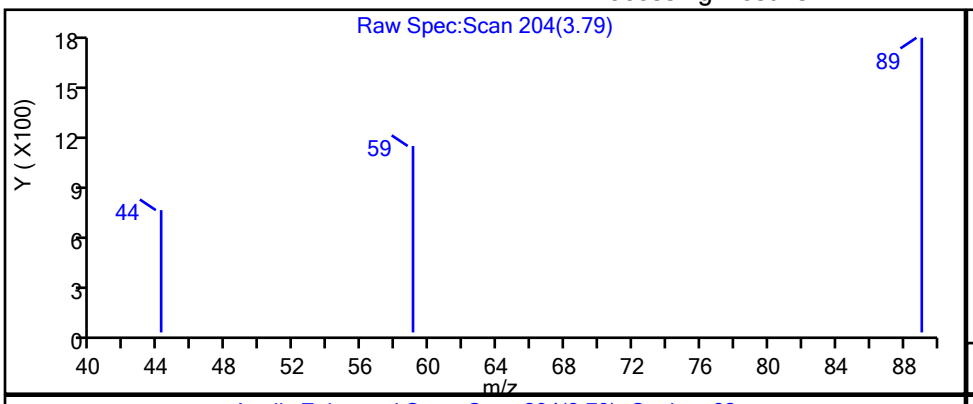
User Disabled Compound Report

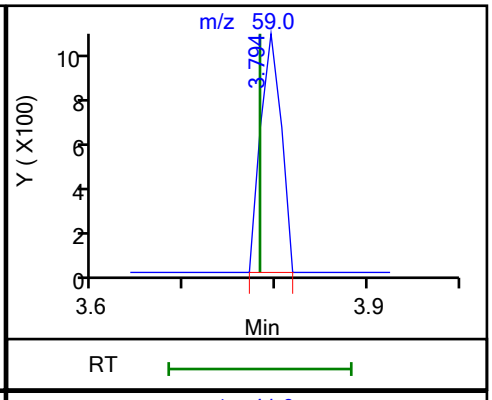
Eurofins TestAmerica, Canton

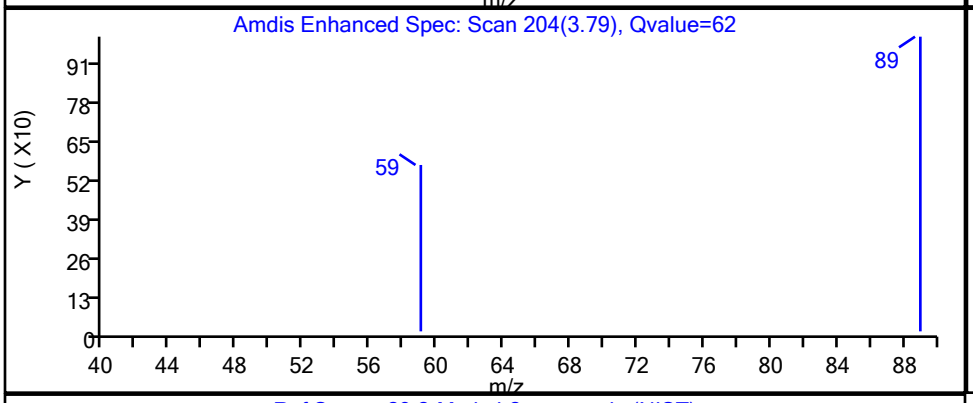
Data File:	\\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40048.D				
Injection Date:	23-Sep-2021 17:45:30	Instrument ID:	A3UX16		
Lims ID:	240-156133-B-26	Lab Sample ID:	240-156133-26		
Client ID:	MSA-SW44B-091421				
Operator ID:	001765	ALS Bottle#:	19	Worklist Smp#:	19
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_16	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

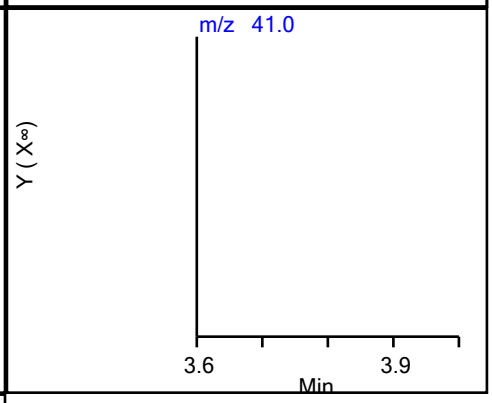
29 2-Methyl-2-propanol, CAS: 75-65-0

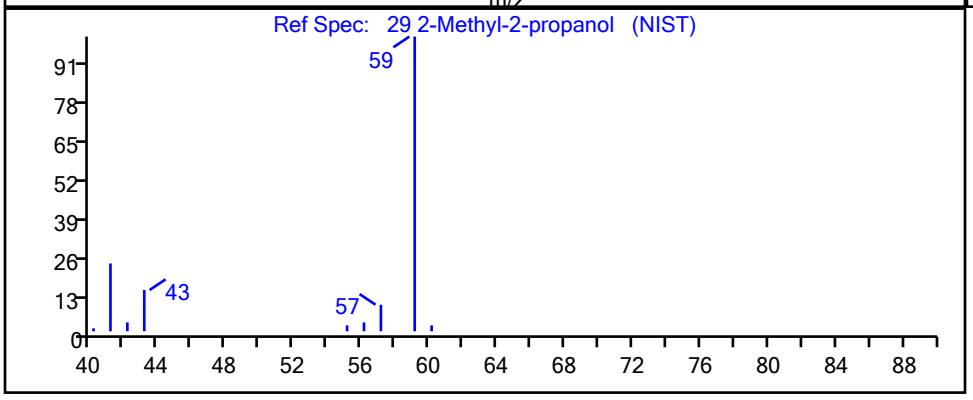
Processing Results











RT	Mass	Response	Amount
3.79	59.00	1695	1.414759
3.78	41.00	0	

Reviewer: bosworthh, 24-Sep-2021 07:52:30

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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44C-091421 Lab Sample ID: 240-156133-27

Matrix: Water Lab File ID: UXM40049.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:30

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 18:10

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44C-091421 Lab Sample ID: 240-156133-27

Matrix: Water Lab File ID: UXM40049.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:30

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 18:10

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44C-091421 Lab Sample ID: 240-156133-27

Matrix: Water Lab File ID: UXM40049.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:30

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 18:10

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.: 505049 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	101		56-136
1868-53-7	Dibromofluoromethane (Surr)	102		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		62-137
2037-26-5	Toluene-d8 (Surr)	92		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44C-091421 Lab Sample ID: 240-156133-27

Matrix: Water Lab File ID: UXM40049.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:30

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 18:10

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44C-091421 Lab Sample ID: 240-156133-27

Matrix: Water Lab File ID: UXM40049.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:30

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 18:10

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.: 505049 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\20210923-113440.b\UXM40049.D
Lims ID: 240-156133-B-27
Client ID: MSA-SW44C-091421
Sample Type: Client
Inject. Date: 23-Sep-2021 18:10:30 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113440-020
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Sep-2021 07:54:46 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: CTX1663

First Level Reviewer: bosworthh Date: 24-Sep-2021 07:54:46

	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	1191301	20.0	
*	2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	987357	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	95	590102	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.264	5.264	0.000	94	334358	23.1	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	391307	22.9	
$	6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1253645	20.8	
$	7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	89	531421	23.0	
	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		3.248				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		3.782				ND	
	31 Methyl tert-butyl ether	73		3.936				ND	
	32 trans-1,2-Dichloroethene	96		3.948				ND	
	35 Vinyl acetate	43		4.339				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		5.680				ND	
58 Trichloroethene	130		6.154				ND	
61 1,2-Dichloropropane	63		6.379				ND	
63 Dibromomethane	93		6.450				ND	
65 Dichlorobromomethane	83		6.604				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		7.102				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		9.190				ND	
88 Bromoform	173		9.367				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		11.182				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		12.972				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_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

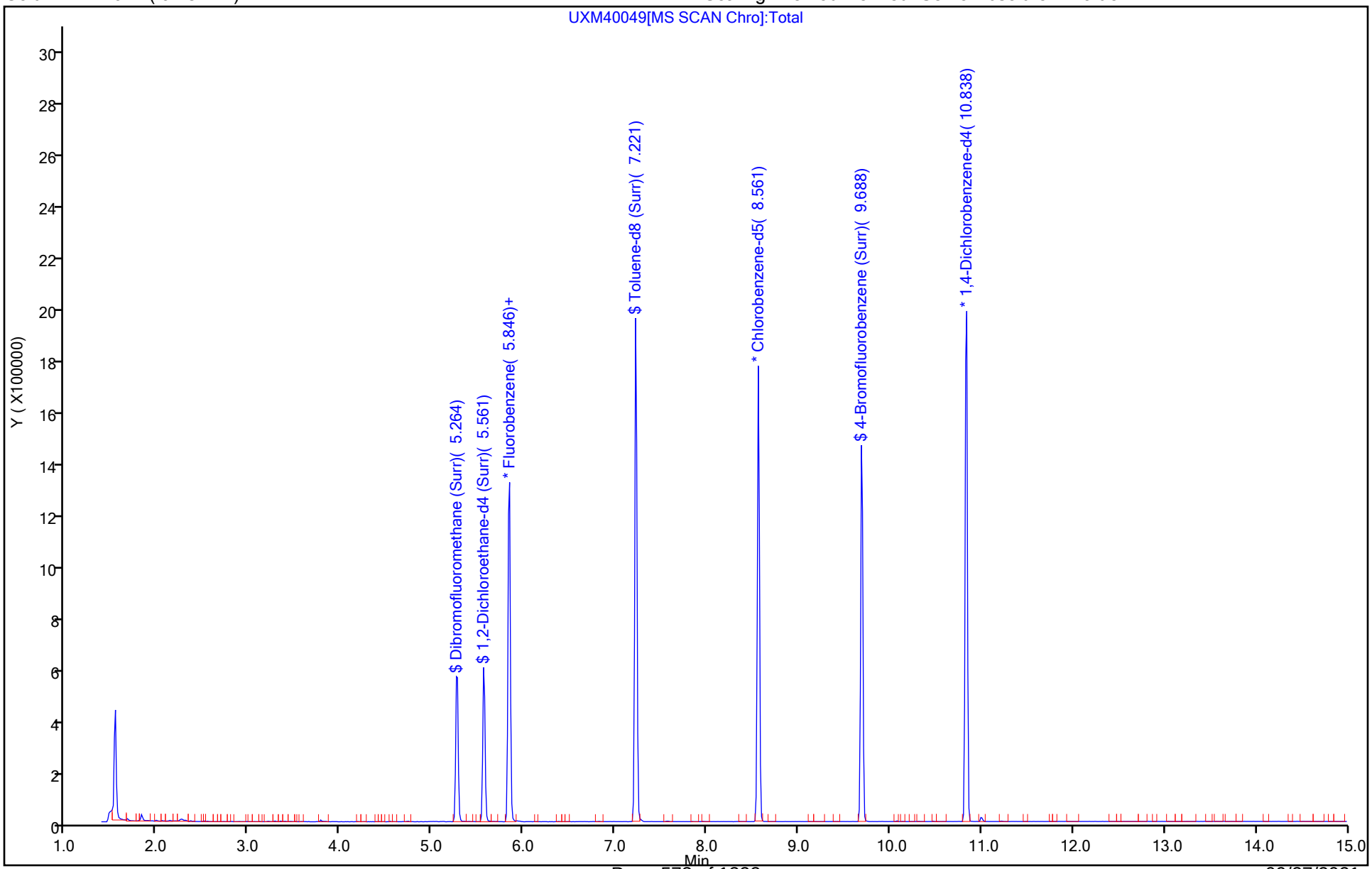
Report Date: 24-Sep-2021 07:54:46 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40049.D

Injection Date:	23-Sep-2021 18:10:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156133-B-27	Lab Sample ID:	240-156133-27	Worklist Smp#:	20
Client ID:	MSA-SW44C-091421				
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\20210923-113440.b\UXM40049.D
Lims ID: 240-156133-B-27
Client ID: MSA-SW44C-091421
Sample Type: Client
Inject. Date: 23-Sep-2021 18:10:30 ALS Bottle#: 20 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113440-020
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Sep-2021 07:54:46 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: CTX1663

First Level Reviewer: bosworthh Date: 24-Sep-2021 07:54:46

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	23.1	101.96
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	22.9	101.08
$ 6 Toluene-d8 (Surr)	22.7	20.8	91.83
$ 7 4-Bromofluorobenzene (Surr)	22.7	23.0	101.22

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44D-091421 Lab Sample ID: 240-156133-28

Matrix: Water Lab File ID: UXM40050.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:32

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 18:35

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44D-091421 Lab Sample ID: 240-156133-28

Matrix: Water Lab File ID: UXM40050.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:32

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 18:35

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44D-091421 Lab Sample ID: 240-156133-28

Matrix: Water Lab File ID: UXM40050.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:32

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 18:35

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	97		56-136
1868-53-7	Dibromofluoromethane (Surr)	94		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		62-137
2037-26-5	Toluene-d8 (Surr)	93		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44D-091421 Lab Sample ID: 240-156133-28

Matrix: Water Lab File ID: UXM40050.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:32

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 18:35

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW44D-091421 Lab Sample ID: 240-156133-28

Matrix: Water Lab File ID: UXM40050.D

Analysis Method: 8260C Date Collected: 09/14/2021 08:32

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 18:35

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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\20210923-113440.b\UXM40050.D
Lims ID: 240-156133-B-28
Client ID: MSA-SW44D-091421
Sample Type: Client
Inject. Date: 23-Sep-2021 18:35:30 ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113440-021
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Sep-2021 07:55:22 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: CTX1663

First Level Reviewer: bosworthh Date: 24-Sep-2021 07:55:22

	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	1265968	20.0	
*	2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	1017081	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	95	554450	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.264	5.264	0.000	93	326043	21.2	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	393095	21.7	
$	6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1311562	21.2	
$	7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	90	525214	22.0	
	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		3.248				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		3.782				ND	
	31 Methyl tert-butyl ether	73		3.936				ND	
	32 trans-1,2-Dichloroethene	96		3.948				ND	
	35 Vinyl acetate	43		4.339				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		5.680				ND	
58 Trichloroethene	130		6.154				ND	
61 1,2-Dichloropropane	63		6.379				ND	
63 Dibromomethane	93		6.450				ND	
65 Dichlorobromomethane	83		6.604				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		7.102				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		9.190				ND	
88 Bromoform	173		9.367				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		11.182				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		12.972				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_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

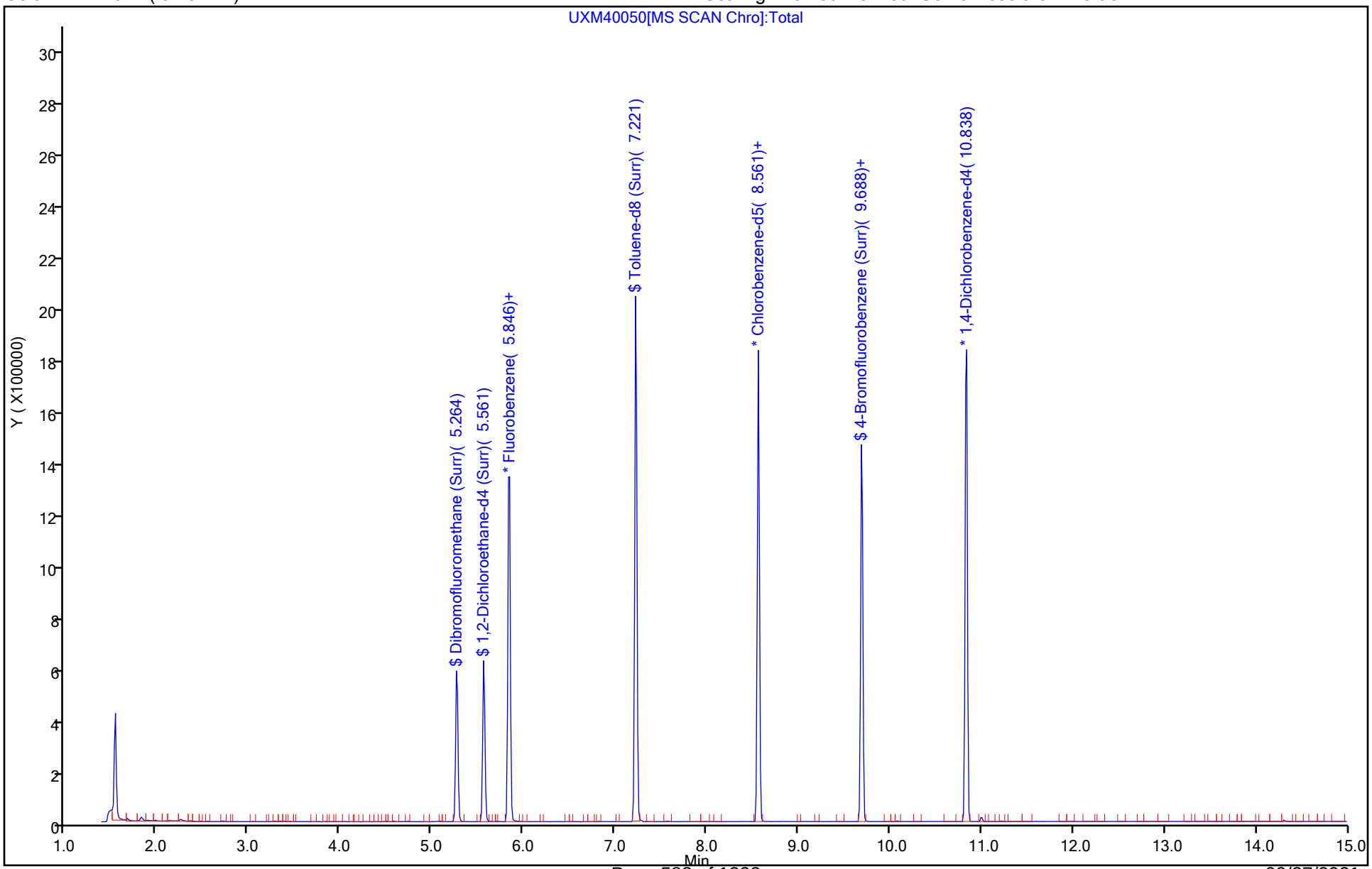
Report Date: 24-Sep-2021 07:55:22 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40050.D

Injection Date:	23-Sep-2021 18:35:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156133-B-28	Lab Sample ID:	240-156133-28	Worklist Smp#:	21
Client ID:	MSA-SW44D-091421				
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\20210923-113440.b\UXM40050.D
Lims ID: 240-156133-B-28
Client ID: MSA-SW44D-091421
Sample Type: Client
Inject. Date: 23-Sep-2021 18:35:30 ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113440-021
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Sep-2021 07:55:22 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: CTX1663

First Level Reviewer: bosworthh Date: 24-Sep-2021 07:55:22

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	21.2	93.56
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	21.7	95.55
$ 6 Toluene-d8 (Surr)	22.7	21.2	93.26
$ 7 4-Bromofluorobenzene (Surr)	22.7	22.0	97.12

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: TB-091421 Lab Sample ID: 240-156133-29

Matrix: Water Lab File ID: UXM40051.D

Analysis Method: 8260C Date Collected: 09/14/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 18:59

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: TB-091421 Lab Sample ID: 240-156133-29

Matrix: Water Lab File ID: UXM40051.D

Analysis Method: 8260C Date Collected: 09/14/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 18:59

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: TB-091421 Lab Sample ID: 240-156133-29

Matrix: Water Lab File ID: UXM40051.D

Analysis Method: 8260C Date Collected: 09/14/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 18:59

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		56-136
1868-53-7	Dibromofluoromethane (Surr)	98		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		62-137
2037-26-5	Toluene-d8 (Surr)	94		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: TB-091421 Lab Sample ID: 240-156133-29

Matrix: Water Lab File ID: UXM40051.D

Analysis Method: 8260C Date Collected: 09/14/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 18:59

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: TB-091421 Lab Sample ID: 240-156133-29

Matrix: Water Lab File ID: UXM40051.D

Analysis Method: 8260C Date Collected: 09/14/2021 00:00

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 18:59

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 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\20210923-113440.b\UXM40051.D
Lims ID: 240-156133-A-29
Client ID: TB-091421
Sample Type: Client
Inject. Date: 23-Sep-2021 18:59:30 ALS Bottle#: 22 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113440-022
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Sep-2021 07:56:43 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: CTX1663

First Level Reviewer: bosworthh Date: 24-Sep-2021 07:56:43

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	100	1204610	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	973958	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	550930	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.264	5.264	0.000	94	325083	22.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	384431	22.3	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1269826	21.4	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	90	515022	22.6	
9 Dichlorodifluoromethane	85		1.707				ND	
10 Chloromethane	50		1.897				ND	7
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		3.248				ND	
21 Acetone	58		3.284				ND	
24 Carbon disulfide	76		3.450				ND	
28 Methylene Chloride	84	3.711	3.711	0.000	87	5361	0.3380	
29 2-Methyl-2-propanol	59		3.782				ND	
31 Methyl tert-butyl ether	73		3.936				ND	
32 trans-1,2-Dichloroethene	96		3.948				ND	
35 Vinyl acetate	43		4.339				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		5.680				ND	
58 Trichloroethene	130		6.154				ND	
61 1,2-Dichloropropane	63		6.379				ND	
63 Dibromomethane	93		6.450				ND	
65 Dichlorobromomethane	83		6.604				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		7.102				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		9.190				ND	
88 Bromoform	173		9.367				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		11.182				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		12.972				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_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

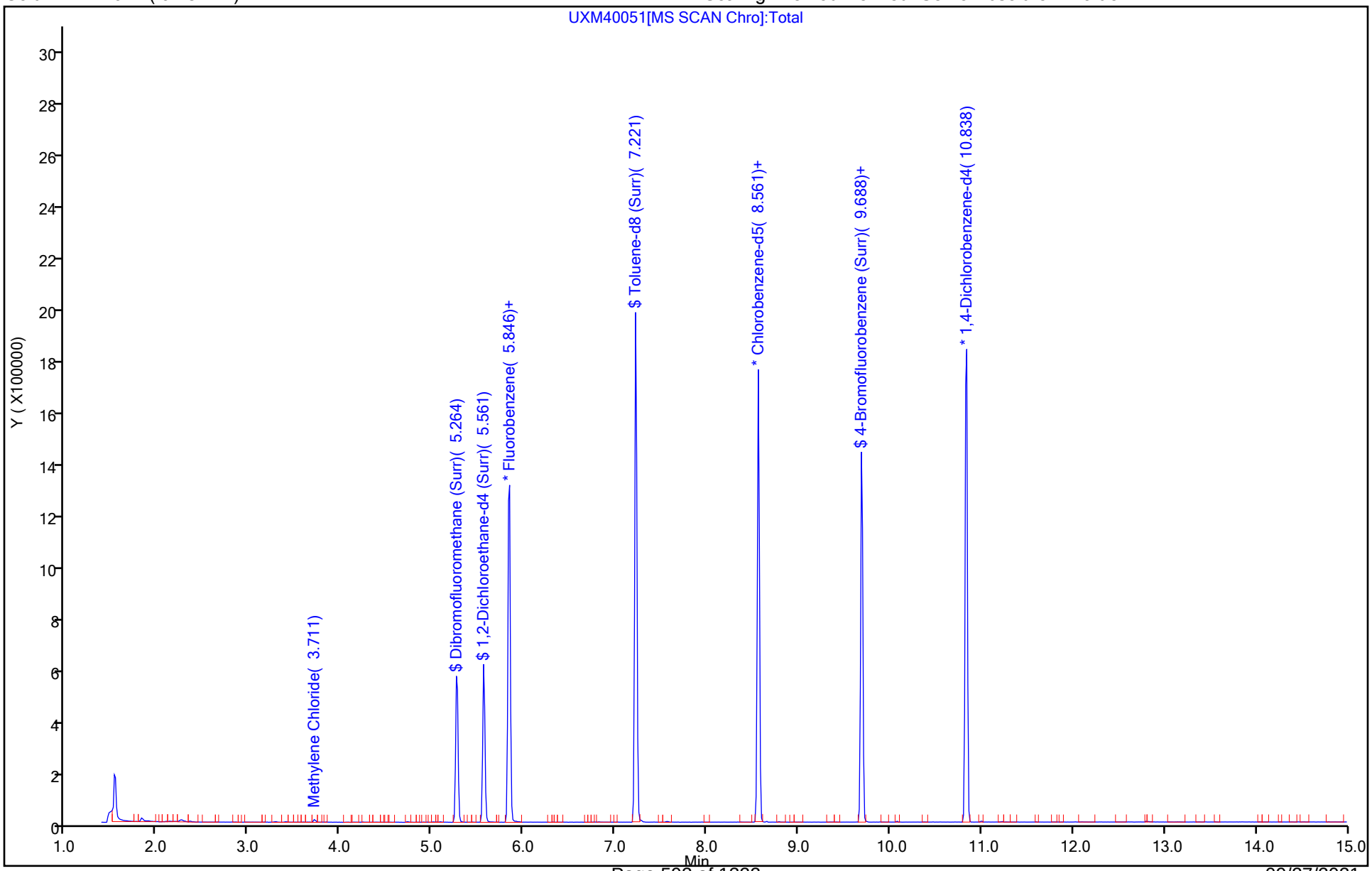
Report Date: 24-Sep-2021 07:56:43 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40051.D

Injection Date:	23-Sep-2021 18:59:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156133-A-29	Lab Sample ID:	240-156133-29	Worklist Smp#:	22
Client ID:	TB-091421				
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\20210923-113440.b\UXM40051.D				
Lims ID:	240-156133-A-29				
Client ID:	TB-091421				
Sample Type:	Client				
Inject. Date:	23-Sep-2021 18:59:30	ALS Bottle#:	22	Worklist Smp#:	22
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0113440-022				
Operator ID:	001765	Instrument ID:	A3UX16		
Method:	\\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	24-Sep-2021 07:56:43	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:	CTX1663				

First Level Reviewer: bosworthh Date: 24-Sep-2021 07:56:43

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	22.2	98.04
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	22.3	98.20
$ 6 Toluene-d8 (Surr)	22.7	21.4	94.29
$ 7 4-Bromofluorobenzene (Surr)	22.7	22.6	99.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW46A-091421 Lab Sample ID: 240-156133-30

Matrix: Water Lab File ID: U1924258.d

Analysis Method: 8260C Date Collected: 09/14/2021 09:57

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 21:48

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.: 504290 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW46A-091421 Lab Sample ID: 240-156133-30

Matrix: Water Lab File ID: U1924258.d

Analysis Method: 8260C Date Collected: 09/14/2021 09:57

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 21:48

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.: 504290 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW46A-091421 Lab Sample ID: 240-156133-30

Matrix: Water Lab File ID: U1924258.d

Analysis Method: 8260C Date Collected: 09/14/2021 09:57

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 21:48

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.: 504290 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	92		56-136
1868-53-7	Dibromofluoromethane (Surr)	97		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		62-137
2037-26-5	Toluene-d8 (Surr)	97		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW46A-091421 Lab Sample ID: 240-156133-30

Matrix: Water Lab File ID: U1924258.d

Analysis Method: 8260C Date Collected: 09/14/2021 09:57

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 21:48

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.: 504290 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW46A-091421 Lab Sample ID: 240-156133-30

Matrix: Water Lab File ID: U1924258.d

Analysis Method: 8260C Date Collected: 09/14/2021 09:57

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 21:48

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.: 504290 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\20210918-113275.b\U1924258.d
Lims ID: 240-156133-A-30
Client ID: MSA-SW46A-091421
Sample Type: Client
Inject. Date: 18-Sep-2021 21:48:30 ALS Bottle#: 0 Worklist Smp#: 30
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113275-030
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 13:47:03 Calib Date: 27-Aug-2021 19:48:52
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923846.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: laveyt Date: 20-Sep-2021 13:54:43

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	710914	20.0	
* 2 Chlorobenzene-d5	117	8.452	8.452	0.000	85	531781	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	94	279800	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.404	5.404	0.000	93	196093	19.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	96	222665	18.6	
$ 6 Toluene-d8 (Surr)	98	7.207	7.207	-0.001	93	623072	19.4	
$ 7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	96	218227	18.4	
9 Dichlorodifluoromethane	85		2.072				ND	
10 Chloromethane	50		2.297				ND	
12 Vinyl chloride	62		2.428				ND	7
13 Bromomethane	94		2.795				ND	7
15 Chloroethane	64		2.890				ND	
17 Trichlorofluoromethane	101		3.127				ND	
20 1,1-Dichloroethene	61		3.590				ND	
21 112TCTFE	101		3.614				ND	
22 Acetone	43	3.601	3.614	-0.013	94	3995	0.8425	
25 Carbon disulfide	76		3.815				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		5.037				ND	7
42 2,2-Dichloropropane	77		5.048				ND	
46 Chlorobromomethane	49		5.226				ND	
48 Chloroform	83		5.286				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	7
62 1,2-Dichloropropane	63		6.436				ND	
64 Dibromomethane	174		6.507				ND	
66 Dichlorobromomethane	83		6.626				ND	
68 2-Chloroethyl vinyl ether	63		6.815				ND	
69 cis-1,3-Dichloropropene	75		6.970				ND	
70 4-Methyl-2-pentanone (MIBK)	43		7.064				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		7.752				ND	
79 Chlorodibromomethane	129		7.942				ND	
81 Ethylene Dibromide	107		8.061				ND	
83 Chlorobenzene	112	8.487	8.487	0.000	37	2912	0.1178	
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		9.816				ND	
102 4-Chlorotoluene	126		9.934				ND	
103 tert-Butylbenzene	119		10.183				ND	
105 1,2,4-Trimethylbenzene	105		10.231				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		10.907				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	12.472	12.484	-0.012	79	1553	0.1191	
117 Hexachlorobutadiene	225	12.614	12.614	0.000	79	1181	0.2188	
118 Naphthalene	128		12.757				ND	7
119 1,2,3-Trichlorobenzene	180	13.005	12.994	0.011	88	1693	0.1377	
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_00088	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent

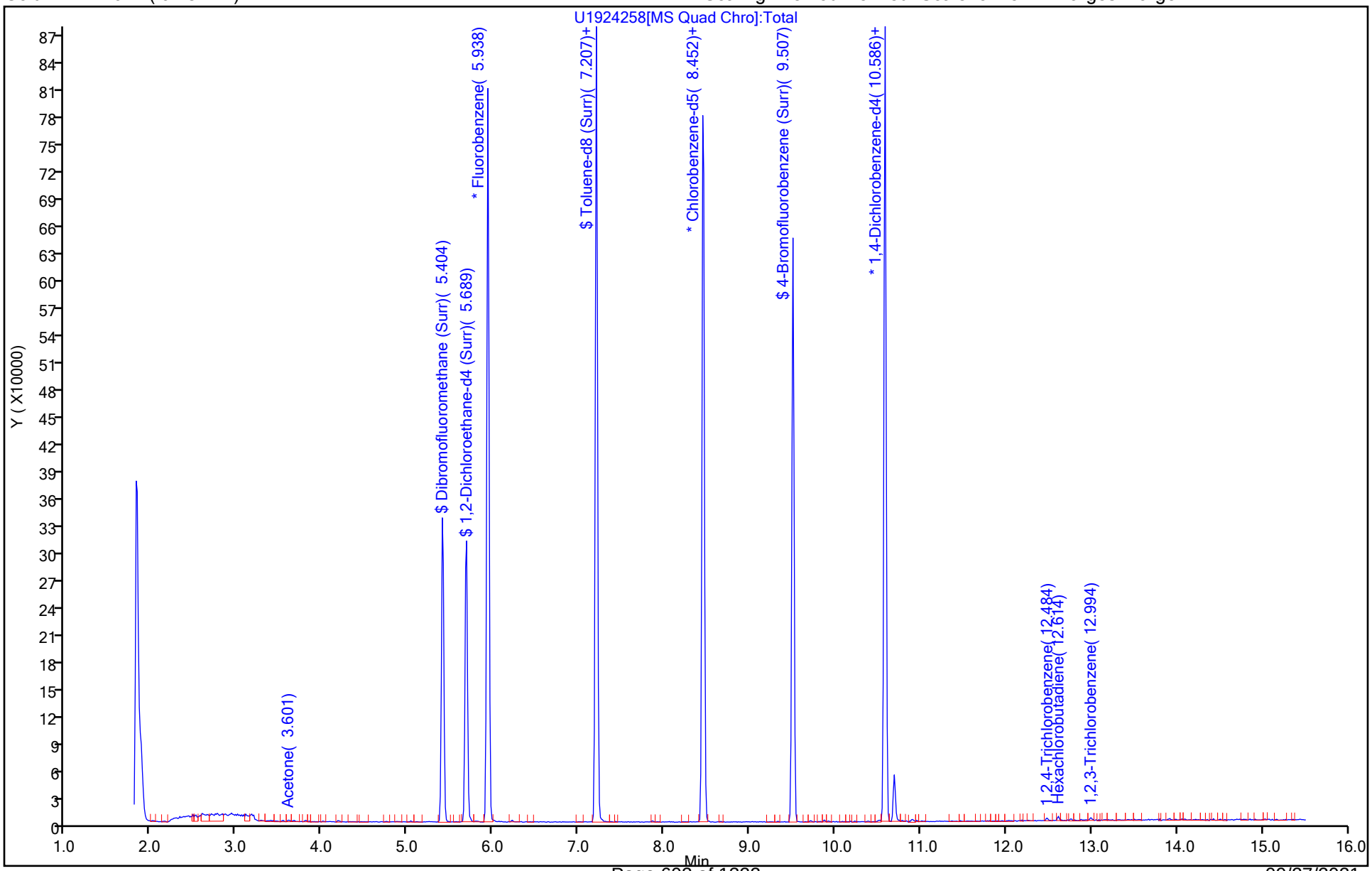
Report Date: 20-Sep-2021 13:54:44 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\U1924258.d

Injection Date:	18-Sep-2021 21:48:30	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	240-156133-A-30	Lab Sample ID:	240-156133-30	Worklist Smp#:	30
Client ID:	MSA-SW46A-091421				
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\20210918-113275.b\U1924258.d				
Lims ID:	240-156133-A-30				
Client ID:	MSA-SW46A-091421				
Sample Type:	Client				
Inject. Date:	18-Sep-2021 21:48:30	ALS Bottle#:	0	Worklist Smp#:	30
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0113275-030				
Operator ID:	001904	Instrument ID:	A3UX19		
Method:	\\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\8260_19.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	20-Sep-2021 13:47:03	Calib Date:	27-Aug-2021 19:48:52		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923846.d				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1631				

First Level Reviewer: laveyt Date: 20-Sep-2021 13:54:43

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.5	97.32
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	18.6	93.15
$ 6 Toluene-d8 (Surr)	20.0	19.4	96.90
$ 7 4-Bromofluorobenzene (Surr)	20.0	18.4	92.06

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW47A-091421 Lab Sample ID: 240-156133-31

Matrix: Water Lab File ID: U1924259.d

Analysis Method: 8260C Date Collected: 09/14/2021 09:18

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 22:10

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.: 504290 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW47A-091421 Lab Sample ID: 240-156133-31

Matrix: Water Lab File ID: U1924259.d

Analysis Method: 8260C Date Collected: 09/14/2021 09:18

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 22:10

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.: 504290 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW47A-091421 Lab Sample ID: 240-156133-31

Matrix: Water Lab File ID: U1924259.d

Analysis Method: 8260C Date Collected: 09/14/2021 09:18

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 22:10

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.: 504290 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)	93		56-136
1868-53-7	Dibromofluoromethane (Surr)	99		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		62-137
2037-26-5	Toluene-d8 (Surr)	98		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW47A-091421 Lab Sample ID: 240-156133-31

Matrix: Water Lab File ID: U1924259.d

Analysis Method: 8260C Date Collected: 09/14/2021 09:18

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 22:10

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.: 504290 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW47A-091421 Lab Sample ID: 240-156133-31

Matrix: Water Lab File ID: U1924259.d

Analysis Method: 8260C Date Collected: 09/14/2021 09:18

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 22:10

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.: 504290 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\20210918-113275.b\U1924259.d
Lims ID: 240-156133-B-31
Client ID: MSA-SW47A-091421
Sample Type: Client
Inject. Date: 18-Sep-2021 22:10:28 ALS Bottle#: 0 Worklist Smp#: 31
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113275-031
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 13:47:03 Calib Date: 27-Aug-2021 19:48:52
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923846.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: laveyt Date: 20-Sep-2021 13:55:01

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	705717	20.0	
* 2 Chlorobenzene-d5	117	8.452	8.452	0.000	85	526953	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	94	269726	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.404	5.404	0.000	93	197462	19.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	96	228712	19.3	
$ 6 Toluene-d8 (Surr)	98	7.207	7.207	0.000	94	622339	19.5	
$ 7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	95	219170	18.7	
9 Dichlorodifluoromethane	85		2.072				ND	
10 Chloromethane	50		2.297				ND	
12 Vinyl chloride	62		2.428				ND	7
13 Bromomethane	94		2.795				ND	7
15 Chloroethane	64		2.890				ND	7
17 Trichlorofluoromethane	101		3.127				ND	
20 1,1-Dichloroethene	61		3.590				ND	
21 112TCTFE	101		3.614				ND	
22 Acetone	43	3.614	3.614	0.000	93	4627	0.9829	
25 Carbon disulfide	76		3.815				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		5.037				ND	7
42 2,2-Dichloropropane	77		5.048				ND	
46 Chlorobromomethane	49		5.226				ND	
48 Chloroform	83		5.286				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	7
62 1,2-Dichloropropane	63		6.436				ND	
64 Dibromomethane	174		6.507				ND	
66 Dichlorobromomethane	83		6.626				ND	
68 2-Chloroethyl vinyl ether	63		6.815				ND	
69 cis-1,3-Dichloropropene	75		6.970				ND	
70 4-Methyl-2-pentanone (MIBK)	43		7.064				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		7.752				ND	
79 Chlorodibromomethane	129		7.942				ND	
81 Ethylene Dibromide	107		8.061				ND	
83 Chlorobenzene	112		8.487				ND	7
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		9.816				ND	
102 4-Chlorotoluene	126		9.934				ND	
103 tert-Butylbenzene	119		10.183				ND	
105 1,2,4-Trimethylbenzene	105		10.231				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		10.907				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		12.757				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_00088	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent

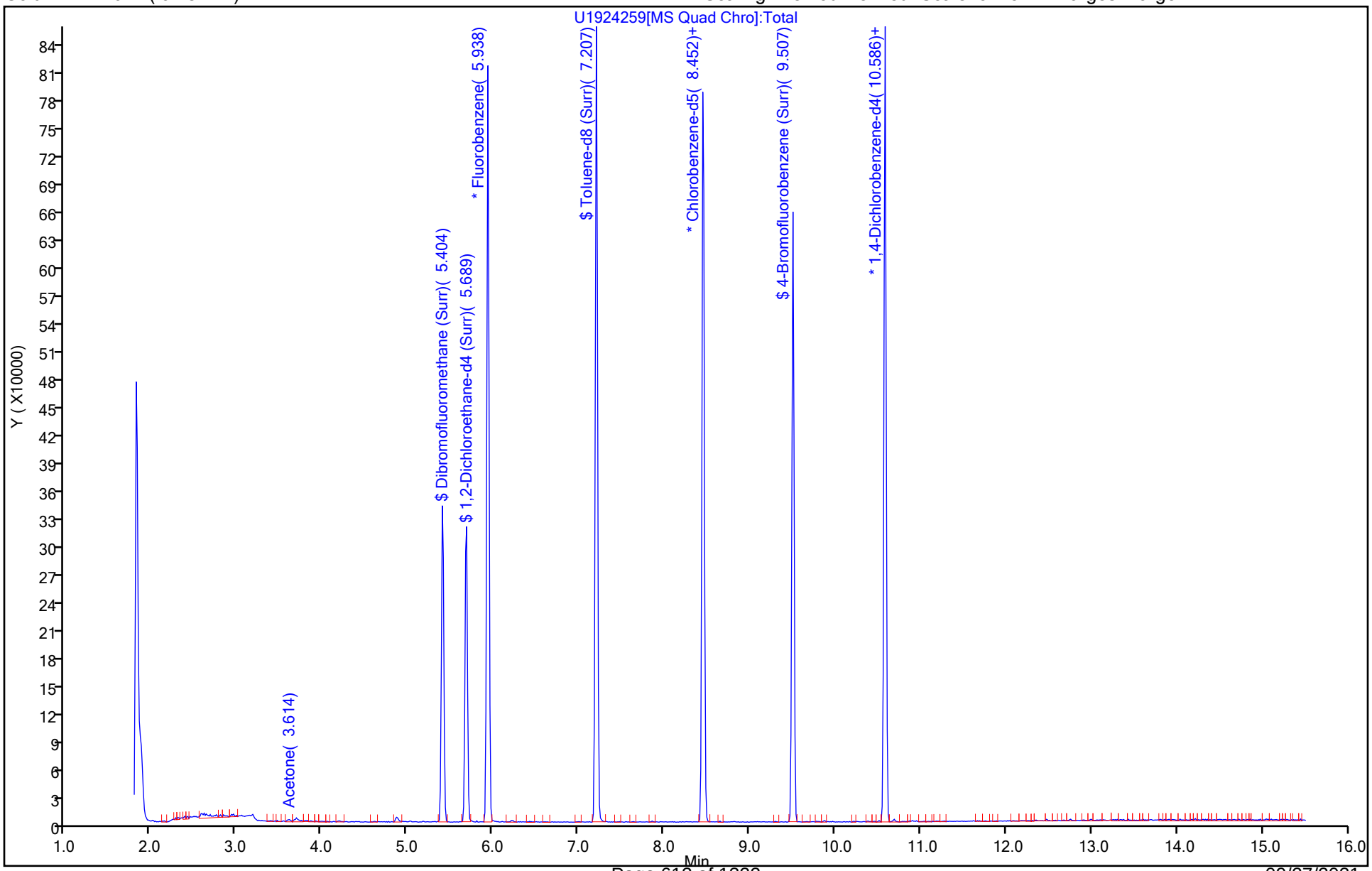
Report Date: 20-Sep-2021 13:55:02 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\U1924259.d

Injection Date:	18-Sep-2021 22:10:28	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	240-156133-B-31	Lab Sample ID:	240-156133-31	Worklist Smp#:	31
Client ID:	MSA-SW47A-091421				
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\20210918-113275.b\U1924259.d
Lims ID: 240-156133-B-31
Client ID: MSA-SW47A-091421
Sample Type: Client
Inject. Date: 18-Sep-2021 22:10:28 ALS Bottle#: 0 Worklist Smp#: 31
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113275-031
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 13:47:03 Calib Date: 27-Aug-2021 19:48:52
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923846.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: laveyt Date: 20-Sep-2021 13:55:01

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.7	98.72
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	19.3	96.39
$ 6 Toluene-d8 (Surr)	20.0	19.5	97.68
$ 7 4-Bromofluorobenzene (Surr)	20.0	18.7	93.31

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW48A-091421 Lab Sample ID: 240-156133-32

Matrix: Water Lab File ID: U1924260.d

Analysis Method: 8260C Date Collected: 09/14/2021 09:03

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 22:32

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.: 504290 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW48A-091421 Lab Sample ID: 240-156133-32

Matrix: Water Lab File ID: U1924260.d

Analysis Method: 8260C Date Collected: 09/14/2021 09:03

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 22:32

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.: 504290 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW48A-091421 Lab Sample ID: 240-156133-32

Matrix: Water Lab File ID: U1924260.d

Analysis Method: 8260C Date Collected: 09/14/2021 09:03

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 22:32

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.: 504290 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)	93		56-136
1868-53-7	Dibromofluoromethane (Surr)	100		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		62-137
2037-26-5	Toluene-d8 (Surr)	98		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW48A-091421 Lab Sample ID: 240-156133-32

Matrix: Water Lab File ID: U1924260.d

Analysis Method: 8260C Date Collected: 09/14/2021 09:03

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 22:32

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.: 504290 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW48A-091421 Lab Sample ID: 240-156133-32

Matrix: Water Lab File ID: U1924260.d

Analysis Method: 8260C Date Collected: 09/14/2021 09:03

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 22:32

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.: 504290 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\20210918-113275.b\U1924260.d
Lims ID: 240-156133-B-32
Client ID: MSA-SW48A-091421
Sample Type: Client
Inject. Date: 18-Sep-2021 22:32:38 ALS Bottle#: 0 Worklist Smp#: 32
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113275-032
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 13:47:03 Calib Date: 27-Aug-2021 19:48:52
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923846.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: laveyt Date: 20-Sep-2021 13:55:23

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	691011	20.0	
* 2 Chlorobenzene-d5	117	8.464	8.452	0.012	85	510435	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	94	262749	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.416	5.404	0.012	93	195619	20.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	96	218007	18.8	
$ 6 Toluene-d8 (Surr)	98	7.207	7.207	0.000	93	602849	19.5	
$ 7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	96	210736	18.5	
9 Dichlorodifluoromethane	85		2.072				ND	
10 Chloromethane	50		2.297				ND	
12 Vinyl chloride	62	2.428	2.428	0.000	1	1477	0.1114	
13 Bromomethane	94		2.795				ND	7
15 Chloroethane	64		2.890				ND	
17 Trichlorofluoromethane	101		3.127				ND	
20 1,1-Dichloroethene	61		3.590				ND	
21 112TCTFE	101		3.614				ND	
22 Acetone	43	3.613	3.614	-0.001	98	2936	0.6370	
25 Carbon disulfide	76		3.815				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		5.037				ND	7
42 2,2-Dichloropropane	77		5.048				ND	
46 Chlorobromomethane	49		5.226				ND	
48 Chloroform	83		5.286				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	7
62 1,2-Dichloropropane	63		6.436				ND	
64 Dibromomethane	174		6.507				ND	
66 Dichlorobromomethane	83		6.626				ND	
68 2-Chloroethyl vinyl ether	63		6.815				ND	
69 cis-1,3-Dichloropropene	75		6.970				ND	
70 4-Methyl-2-pentanone (MIBK)	43		7.064				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		7.752				ND	
79 Chlorodibromomethane	129		7.942				ND	
81 Ethylene Dibromide	107		8.061				ND	
83 Chlorobenzene	112		8.487				ND	7
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		9.816				ND	
102 4-Chlorotoluene	126		9.934				ND	
103 tert-Butylbenzene	119		10.183				ND	
105 1,2,4-Trimethylbenzene	105		10.231				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		10.907				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		12.757				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:

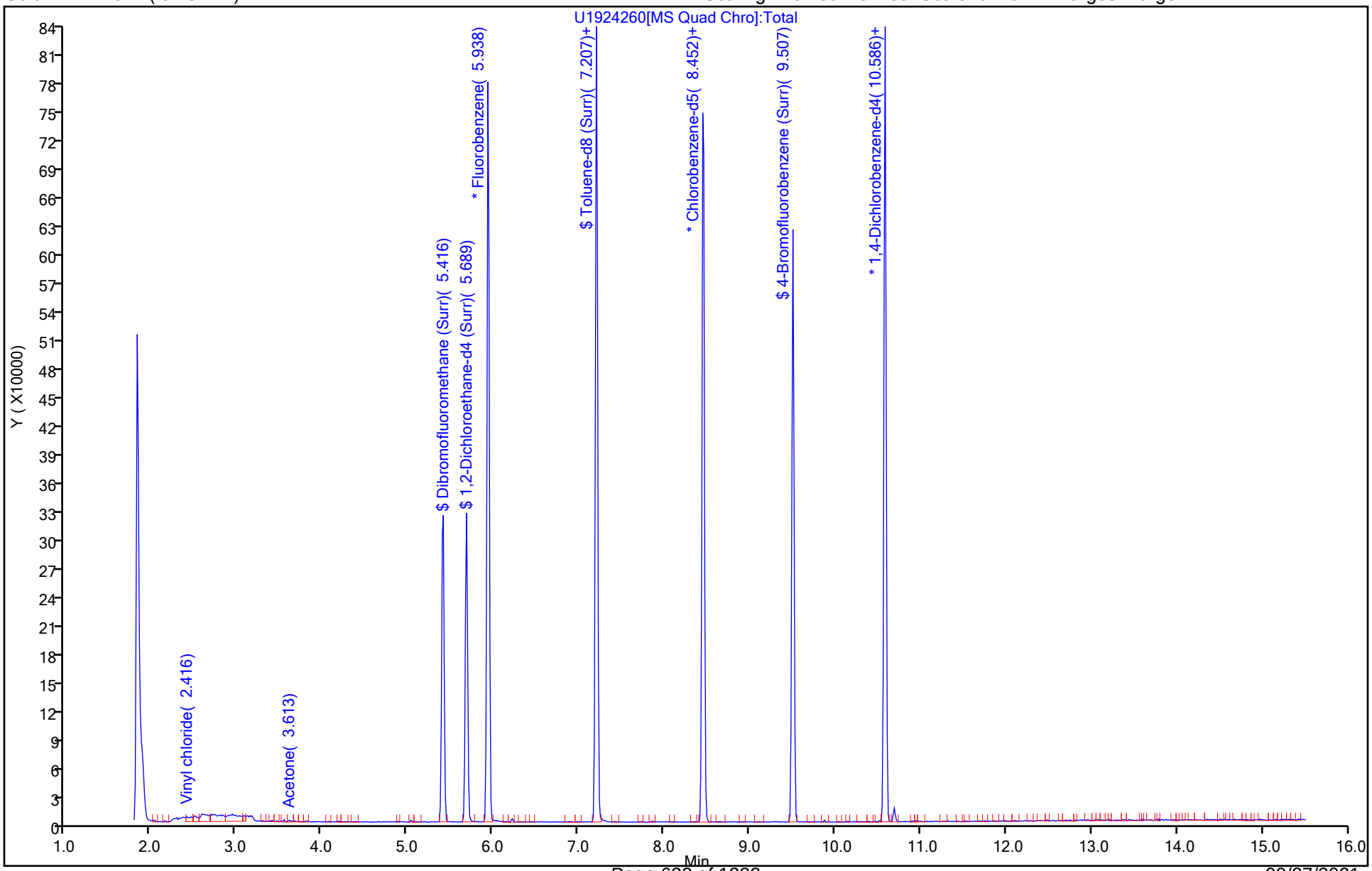
vm50ss_stk_00088	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent

Report Date: 20-Sep-2021 13:55:23 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\U1924260.d				
Injection Date:	18-Sep-2021 22:32:38	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	240-156133-B-32	Lab Sample ID:	240-156133-32	Worklist Smp#:	32
Client ID:	MSA-SW48A-091421				
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\20210918-113275.b\U1924260.d				
Lims ID:	240-156133-B-32				
Client ID:	MSA-SW48A-091421				
Sample Type:	Client				
Inject. Date:	18-Sep-2021 22:32:38	ALS Bottle#:	0	Worklist Smp#:	32
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0113275-032				
Operator ID:	001904	Instrument ID:	A3UX19		
Method:	\\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\8260_19.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	20-Sep-2021 13:47:03	Calib Date:	27-Aug-2021 19:48:52		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923846.d				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1631				

First Level Reviewer: laveyt Date: 20-Sep-2021 13:55:23

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	20.0	99.88
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	18.8	93.83
$ 6 Toluene-d8 (Surr)	20.0	19.5	97.68
$ 7 4-Bromofluorobenzene (Surr)	20.0	18.5	92.62

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW49A-091421 Lab Sample ID: 240-156133-33

Matrix: Water Lab File ID: U1924261.d

Analysis Method: 8260C Date Collected: 09/14/2021 08:47

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 22:54

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.: 504290 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW49A-091421 Lab Sample ID: 240-156133-33

Matrix: Water Lab File ID: U1924261.d

Analysis Method: 8260C Date Collected: 09/14/2021 08:47

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 22:54

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.: 504290 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW49A-091421 Lab Sample ID: 240-156133-33

Matrix: Water Lab File ID: U1924261.d

Analysis Method: 8260C Date Collected: 09/14/2021 08:47

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 22:54

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.: 504290 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)	93		56-136
1868-53-7	Dibromofluoromethane (Surr)	98		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		62-137
2037-26-5	Toluene-d8 (Surr)	98		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW49A-091421 Lab Sample ID: 240-156133-33

Matrix: Water Lab File ID: U1924261.d

Analysis Method: 8260C Date Collected: 09/14/2021 08:47

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 22:54

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.: 504290 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: MSA-SW49A-091421 Lab Sample ID: 240-156133-33

Matrix: Water Lab File ID: U1924261.d

Analysis Method: 8260C Date Collected: 09/14/2021 08:47

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 22:54

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.: 504290 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\20210918-113275.b\U1924261.d
Lims ID: 240-156133-A-33
Client ID: MSA-SW49A-091421
Sample Type: Client
Inject. Date: 18-Sep-2021 22:54:50 ALS Bottle#: 0 Worklist Smp#: 33
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113275-033
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 13:47:03 Calib Date: 27-Aug-2021 19:48:52
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923846.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: laveyt Date: 20-Sep-2021 15:10:54

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	687633	20.0	
* 2 Chlorobenzene-d5	117	8.464	8.452	0.012	85	514571	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	94	266324	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.404	5.404	0.000	93	190573	19.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	97	216513	18.7	
$ 6 Toluene-d8 (Surr)	98	7.207	7.207	-0.001	93	610643	19.6	
$ 7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	95	213077	18.6	
9 Dichlorodifluoromethane	85		2.072				ND	
10 Chloromethane	50		2.297				ND	
12 Vinyl chloride	62	2.416	2.428	-0.012	95	1874	0.1421	
13 Bromomethane	94		2.795				ND	7
15 Chloroethane	64		2.890				ND	
17 Trichlorofluoromethane	101		3.127				ND	
20 1,1-Dichloroethene	61		3.590				ND	
21 112TCTFE	101		3.614				ND	
22 Acetone	43	3.601	3.614	-0.013	71	3545	0.7729	
25 Carbon disulfide	76		3.815				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		5.037				ND	7
42 2,2-Dichloropropane	77		5.048				ND	
46 Chlorobromomethane	49		5.226				ND	
48 Chloroform	83		5.286				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	6.222	0.000	96	2502	0.2226	
62 1,2-Dichloropropane	63		6.436				ND	
64 Dibromomethane	174		6.507				ND	
66 Dichlorobromomethane	83		6.626				ND	
68 2-Chloroethyl vinyl ether	63		6.815				ND	
69 cis-1,3-Dichloropropene	75		6.970				ND	
70 4-Methyl-2-pentanone (MIBK)	43		7.064				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		7.752				ND	
79 Chlorodibromomethane	129		7.942				ND	
81 Ethylene Dibromide	107		8.061				ND	
83 Chlorobenzene	112		8.487				ND	7
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		9.816				ND	
102 4-Chlorotoluene	126		9.934				ND	
103 tert-Butylbenzene	119		10.183				ND	
105 1,2,4-Trimethylbenzene	105		10.231				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		10.907				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		12.757				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_00088	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent

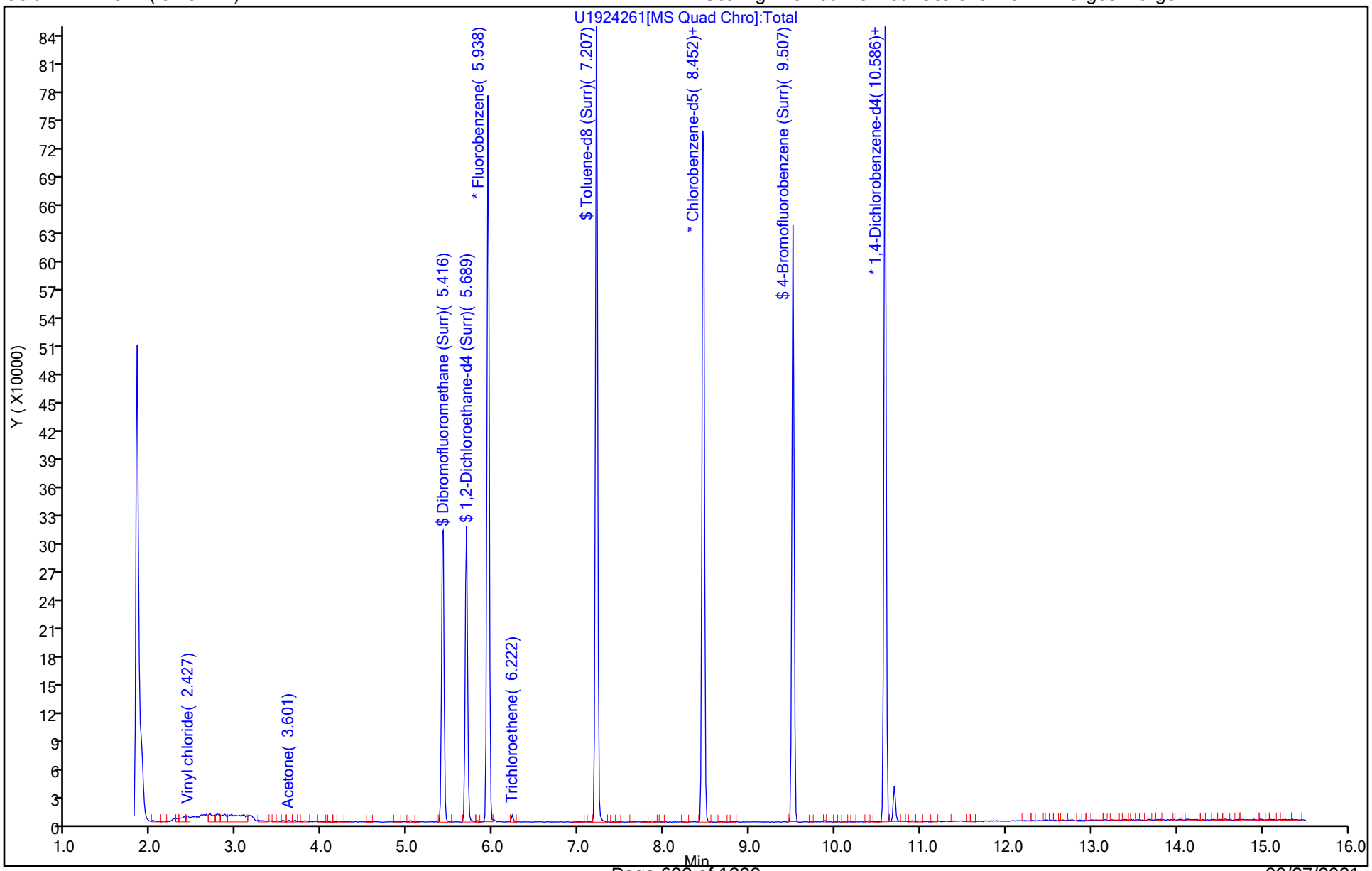
Report Date: 20-Sep-2021 15:10:54 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\U1924261.d

Injection Date:	18-Sep-2021 22:54:50	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	240-156133-A-33	Lab Sample ID:	240-156133-33	Worklist Smp#:	33
Client ID:	MSA-SW49A-091421				
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\20210918-113275.b\U1924261.d
Lims ID: 240-156133-A-33
Client ID: MSA-SW49A-091421
Sample Type: Client
Inject. Date: 18-Sep-2021 22:54:50 ALS Bottle#: 0 Worklist Smp#: 33
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113275-033
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 13:47:03 Calib Date: 27-Aug-2021 19:48:52
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923846.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: laveyt Date: 20-Sep-2021 15:10:54

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.6	97.78
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	18.7	93.65
$ 6 Toluene-d8 (Surr)	20.0	19.6	98.15
$ 7 4-Bromofluorobenzene (Surr)	20.0	18.6	92.89

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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

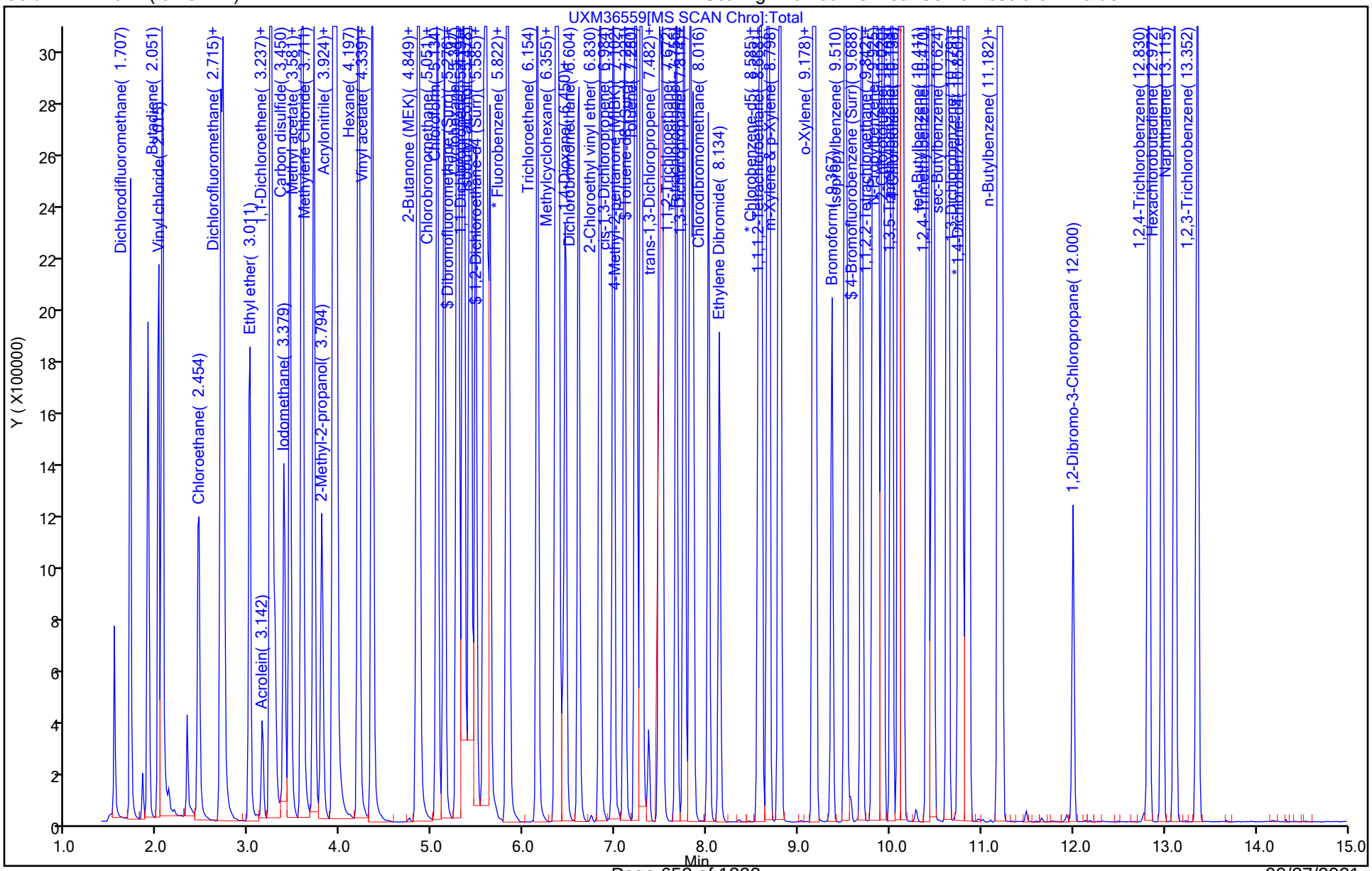
Report Date: 26-Apr-2021 08:33:30 Chrom Revision: 2.3 08-Apr-2021 17:17:48

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

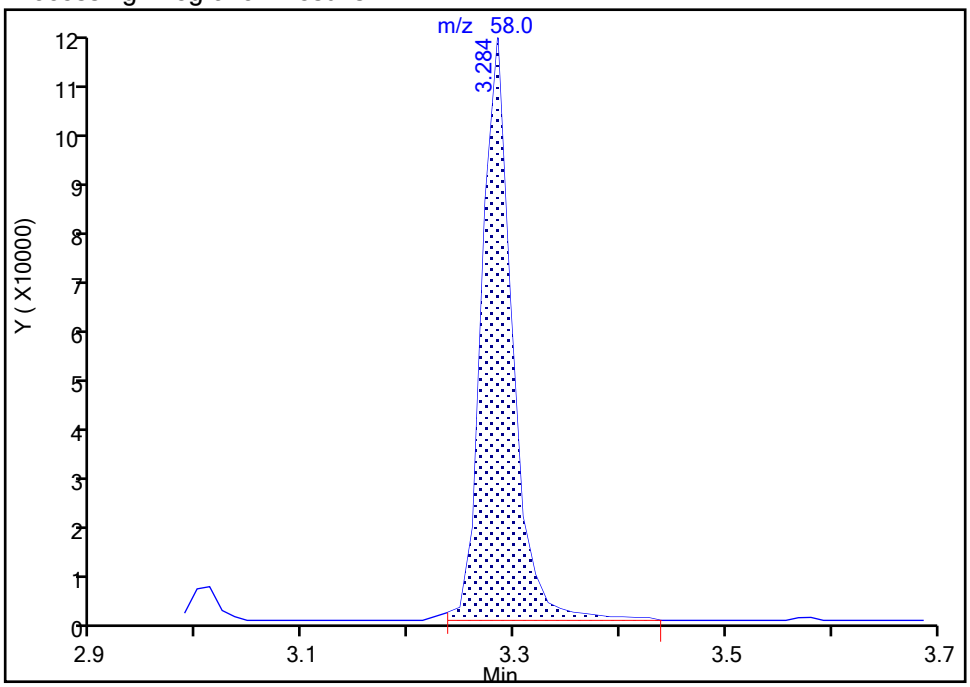
Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36559.D
Injection Date: 23-Apr-2021 12:04:30 Instrument ID: A3UX16
Lims ID: std8260 L8
Client ID:
Operator ID: 001765 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

21 Acetone, CAS: 67-64-1

Signal: 2

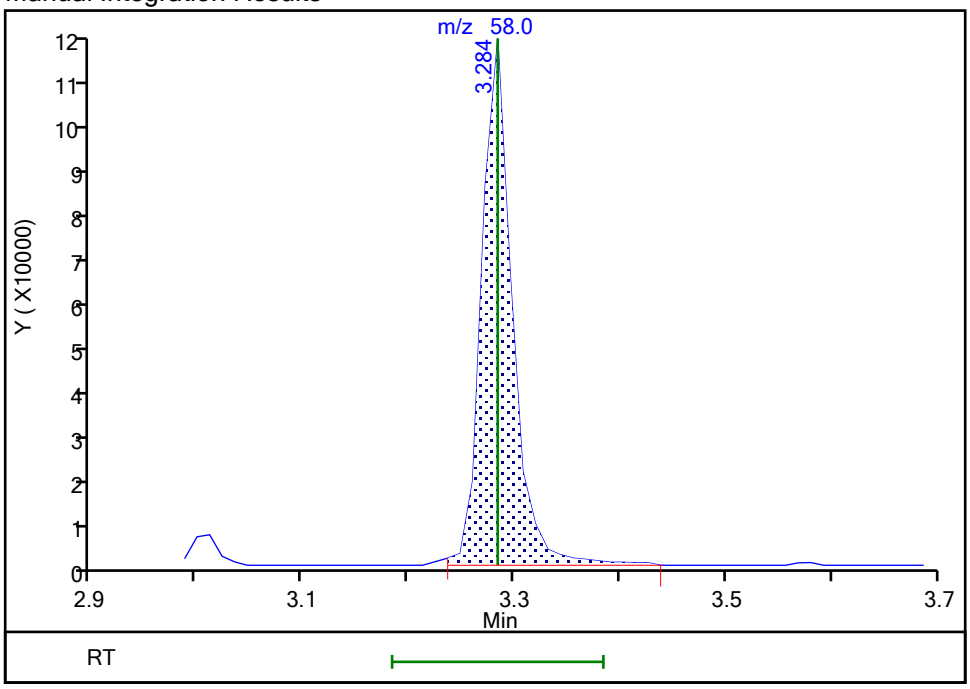
Processing Integration Results

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

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Canton

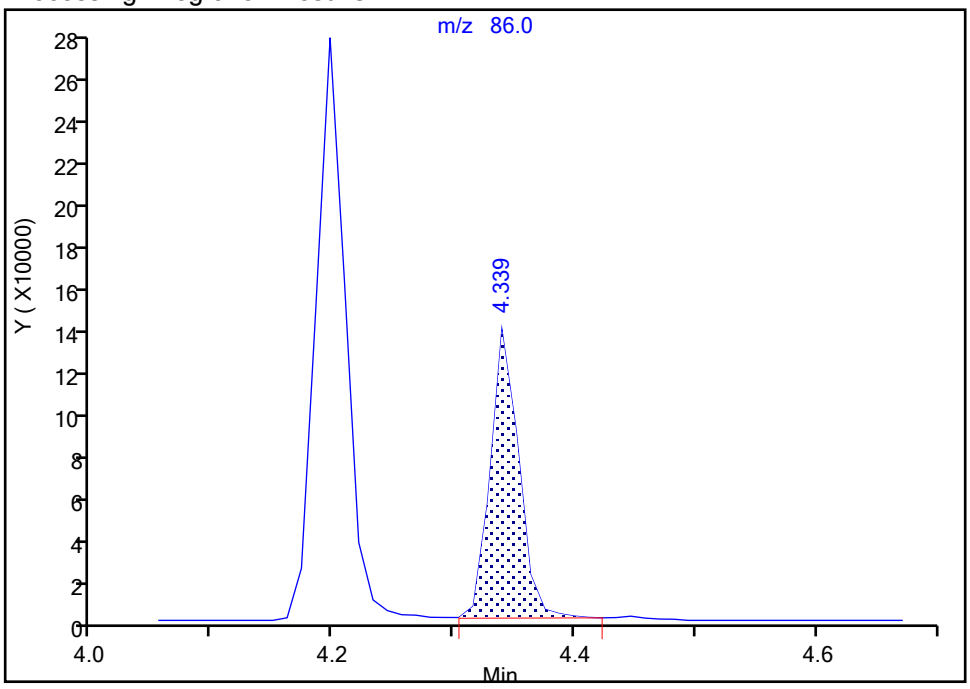
Data File:	\\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36559.D				
Injection Date:	23-Apr-2021 12:04:30	Instrument ID:	A3UX16		
Lims ID:	std8260 L8				
Client ID:					
Operator ID:	001765	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_16	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

35 Vinyl acetate, CAS: 108-05-4

Signal: 2

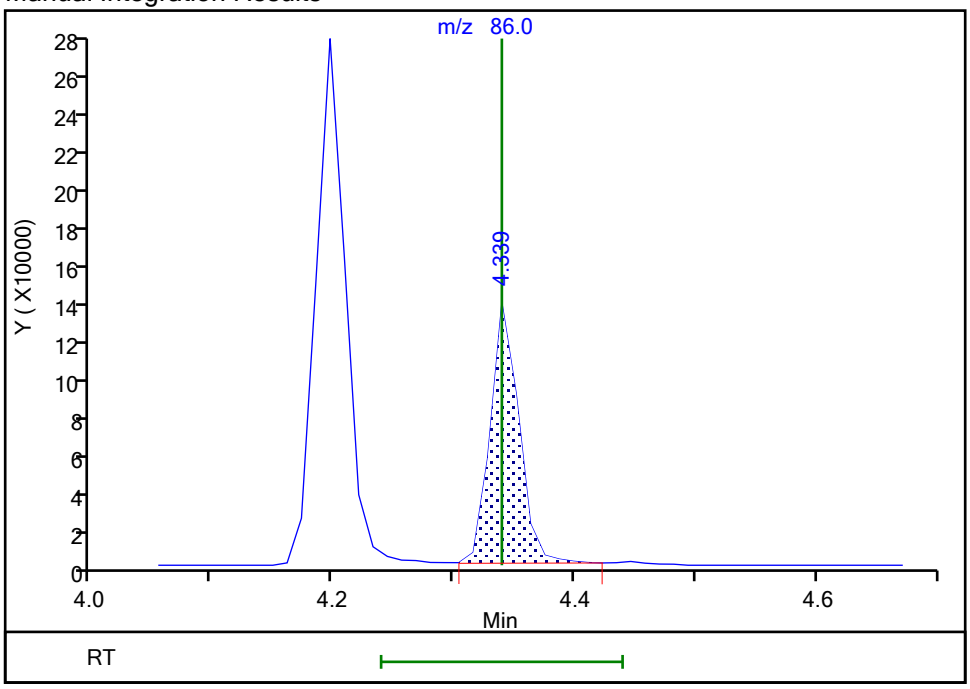
Processing Integration Results

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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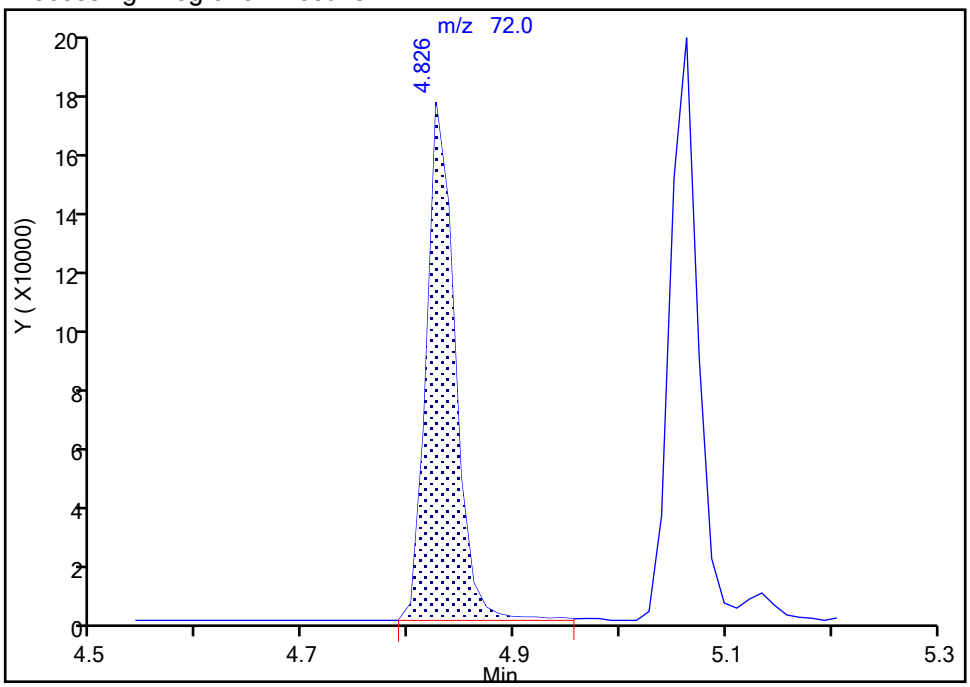
Injection Date:	23-Apr-2021 12:04:30	Instrument ID:	A3UX16		
Lims ID:	std8260 L8				
Client ID:					
Operator ID:	001765	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_16	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

40 2-Butanone (MEK), CAS: 78-93-3

Signal: 2

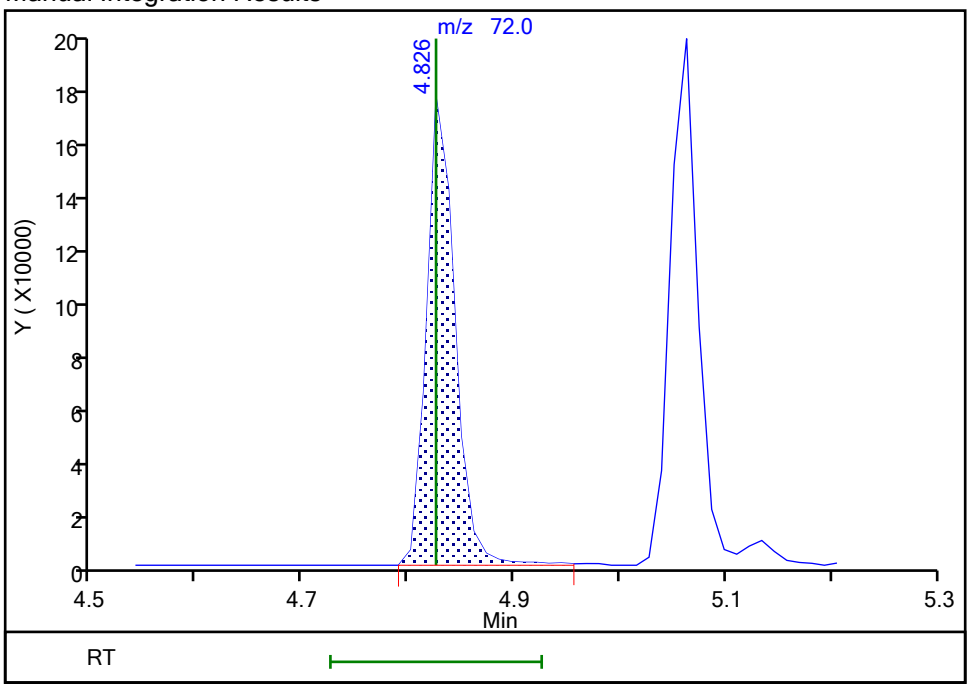
Processing Integration Results

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

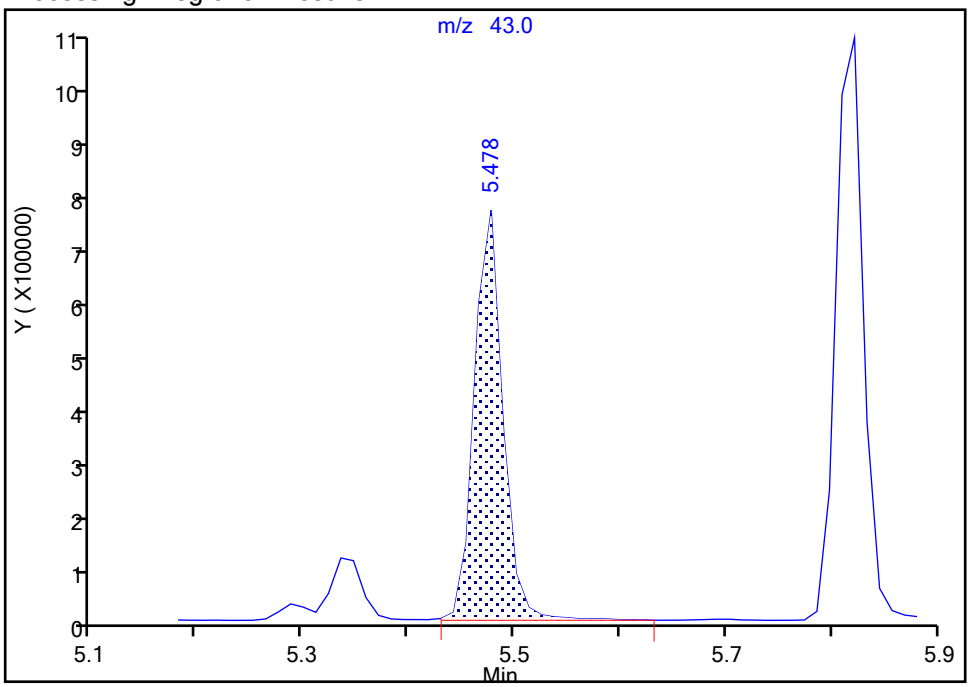
Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36559.D
Injection Date: 23-Apr-2021 12:04:30 Instrument ID: A3UX16
Lims ID: std8260 L8
Client ID:
Operator ID: 001765 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

52 Isobutyl alcohol, CAS: 78-83-1

Signal: 2

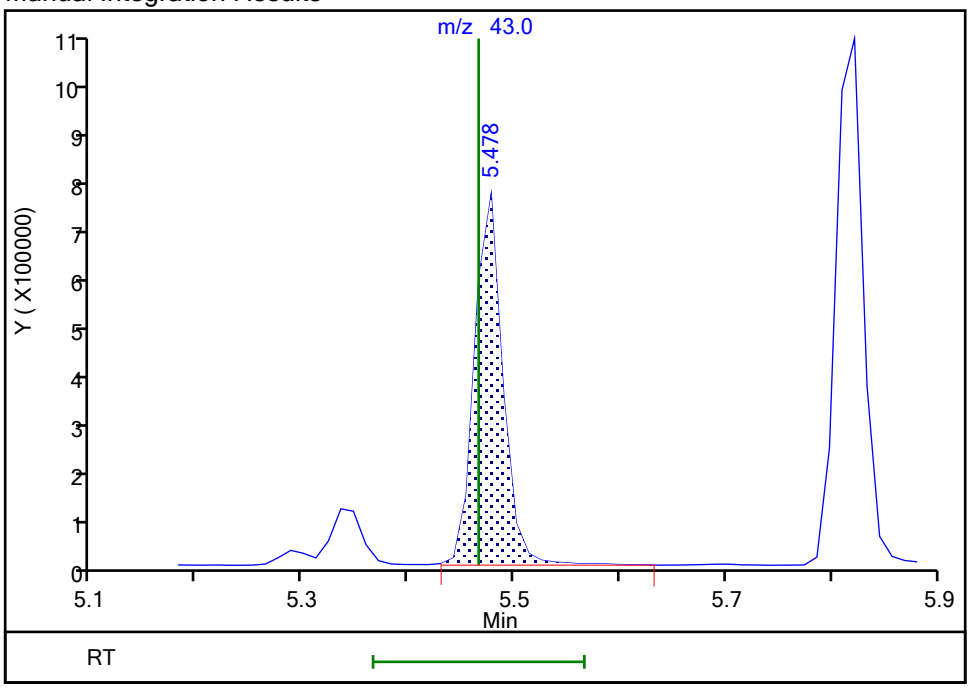
Processing Integration Results

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

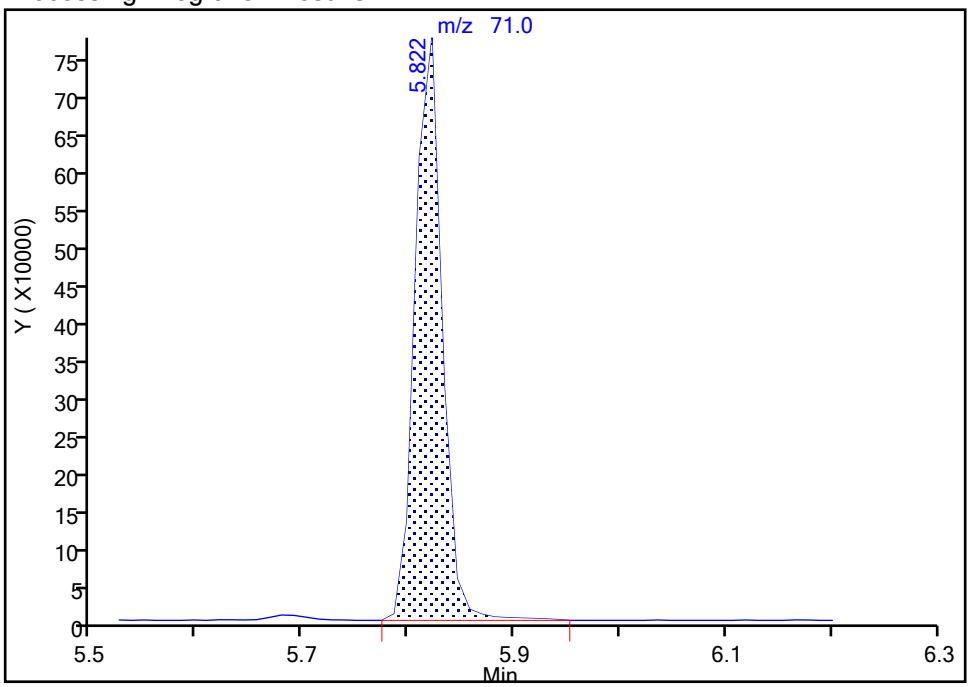
Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36559.D
Injection Date: 23-Apr-2021 12:04:30 Instrument ID: A3UX16
Lims ID: std8260 L8
Client ID:
Operator ID: 001765 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

56 n-Heptane, CAS: 142-82-5

Signal: 2

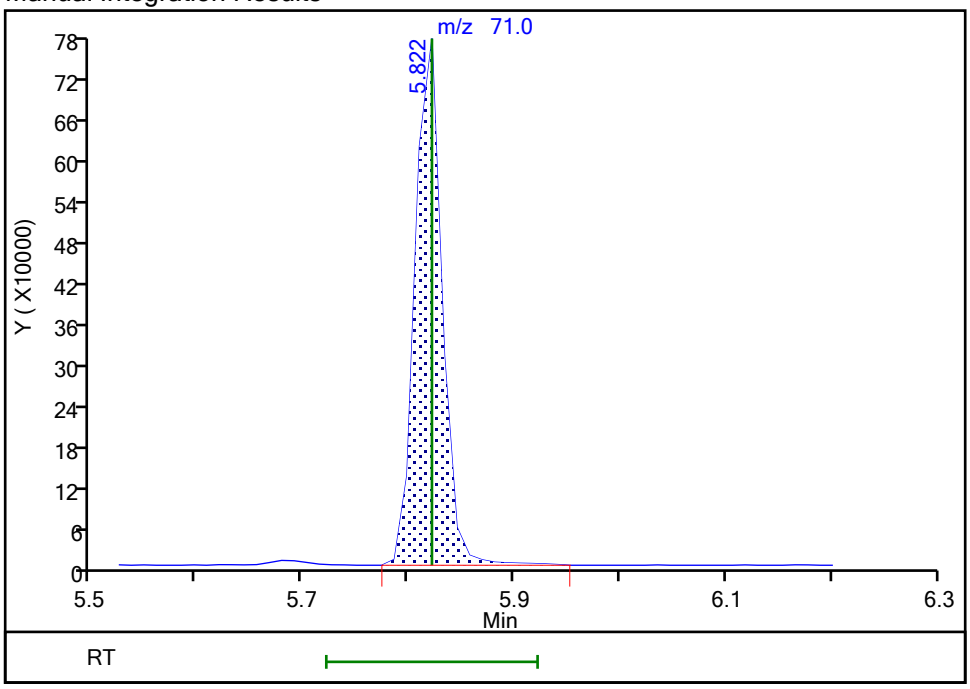
Processing Integration Results

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

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Canton

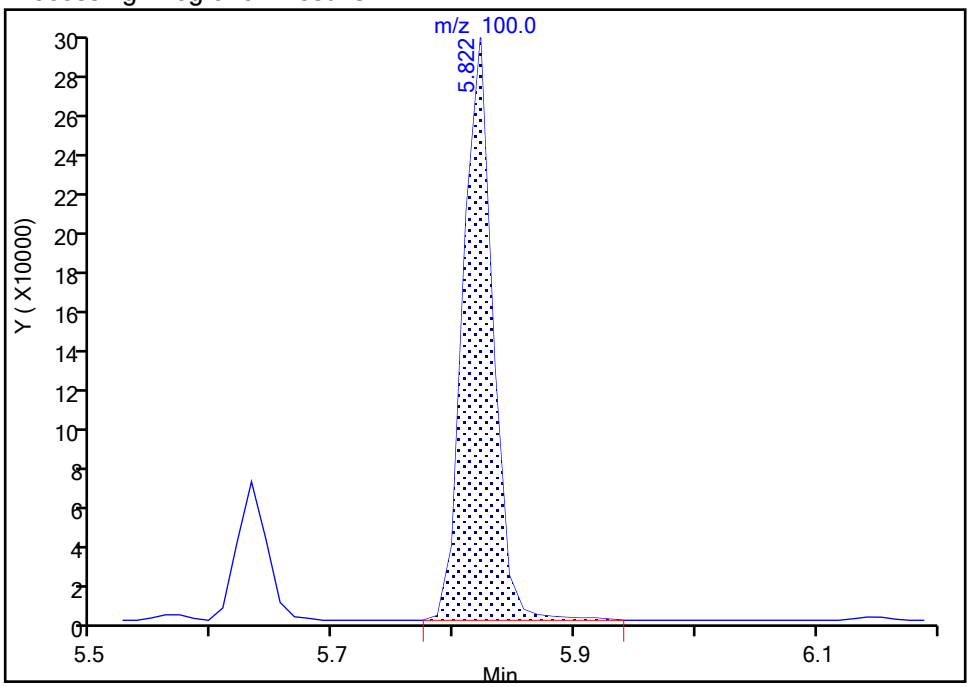
Data File:	\\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36559.D				
Injection Date:	23-Apr-2021 12:04:30	Instrument ID:	A3UX16		
Lims ID:	std8260 L8				
Client ID:					
Operator ID:	001765	ALS Bottle#:	9	Worklist Smp#:	9
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_16	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

56 n-Heptane, CAS: 142-82-5

Signal: 3

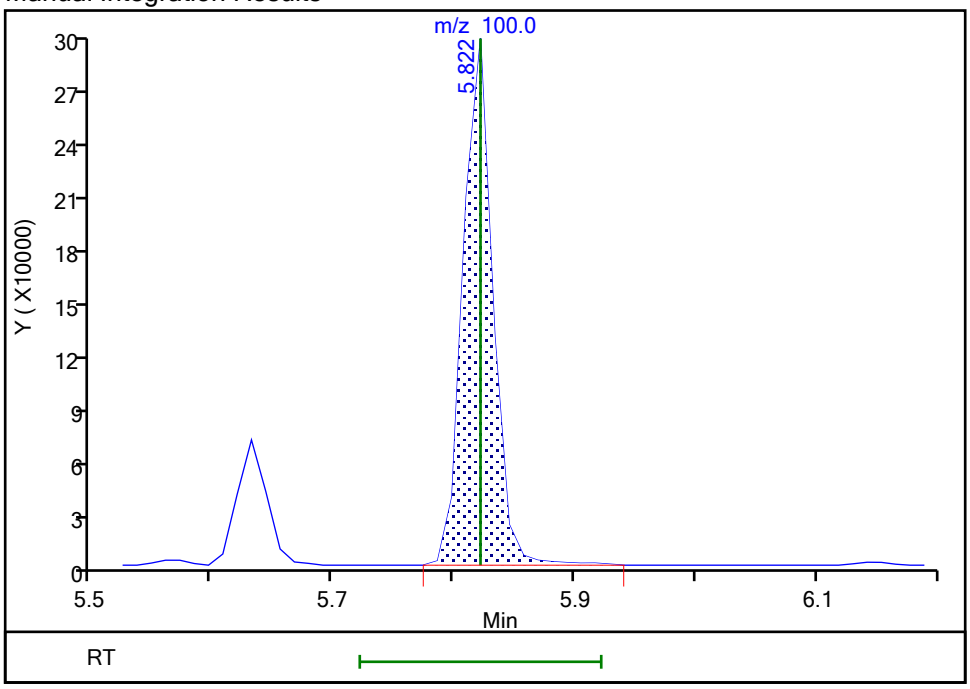
Processing Integration Results

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

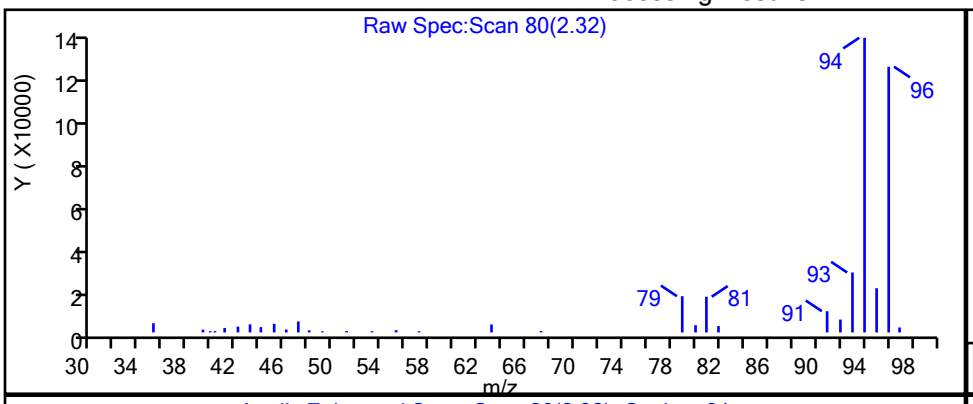
User Disabled Compound Report

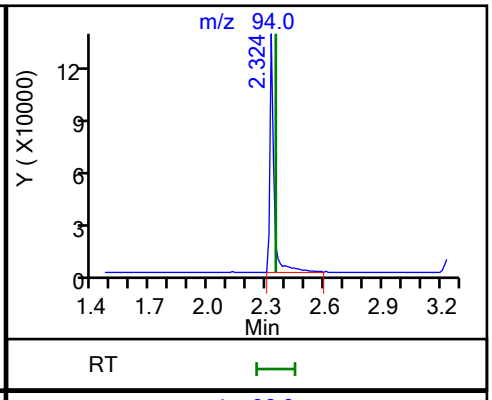
Eurofins TestAmerica, Canton

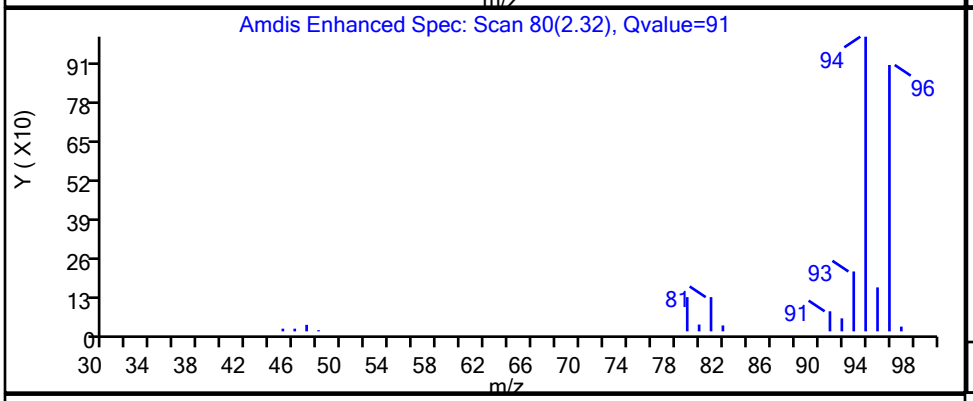
Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36559.D
Injection Date: 23-Apr-2021 12:04:30 Instrument ID: A3UX16
Lims ID: std8260 L8
Client ID:
Operator ID: 001765 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

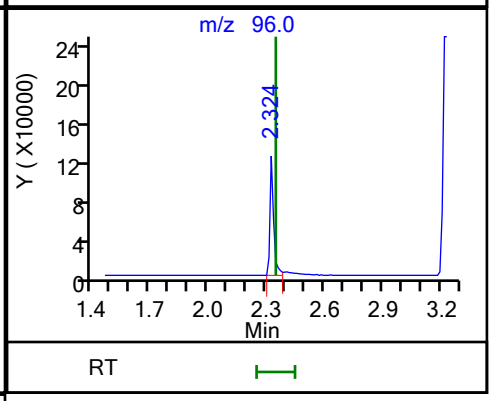
13 Bromomethane, CAS: 74-83-9

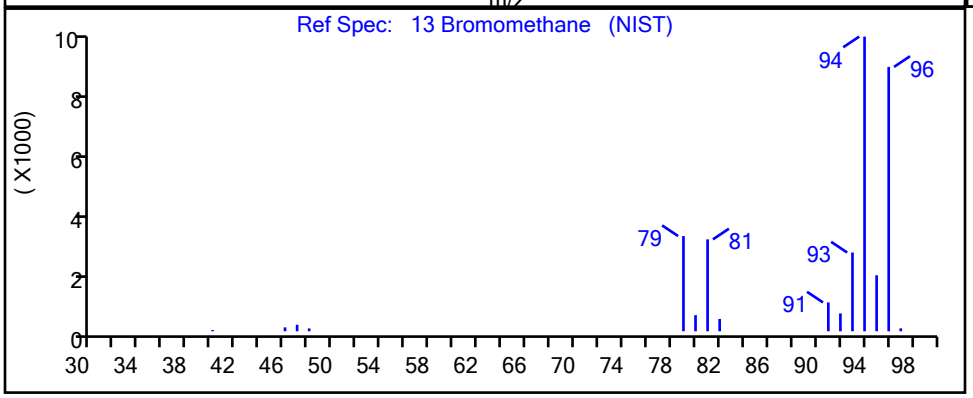
Processing Results











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

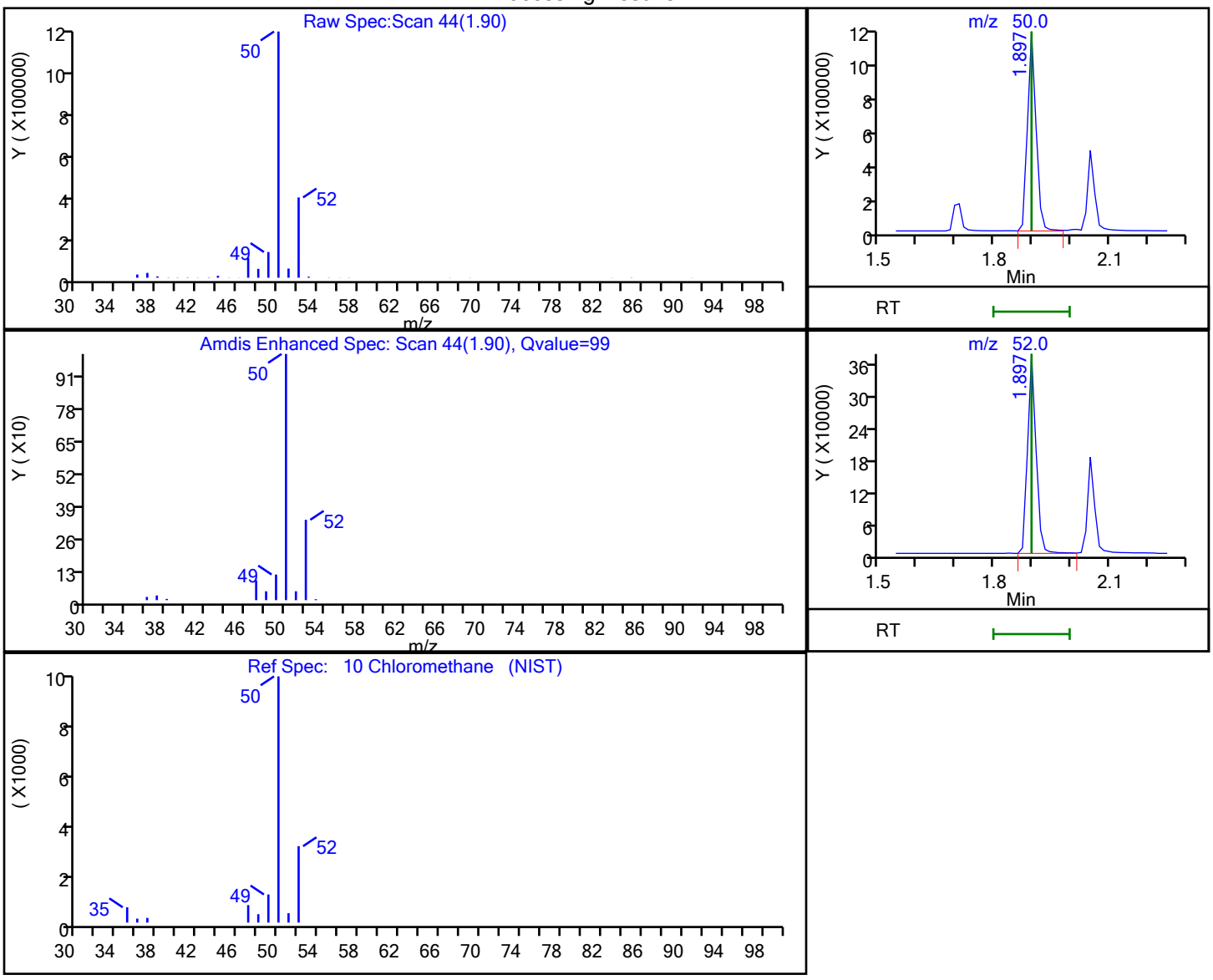
User Disabled Compound Report

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

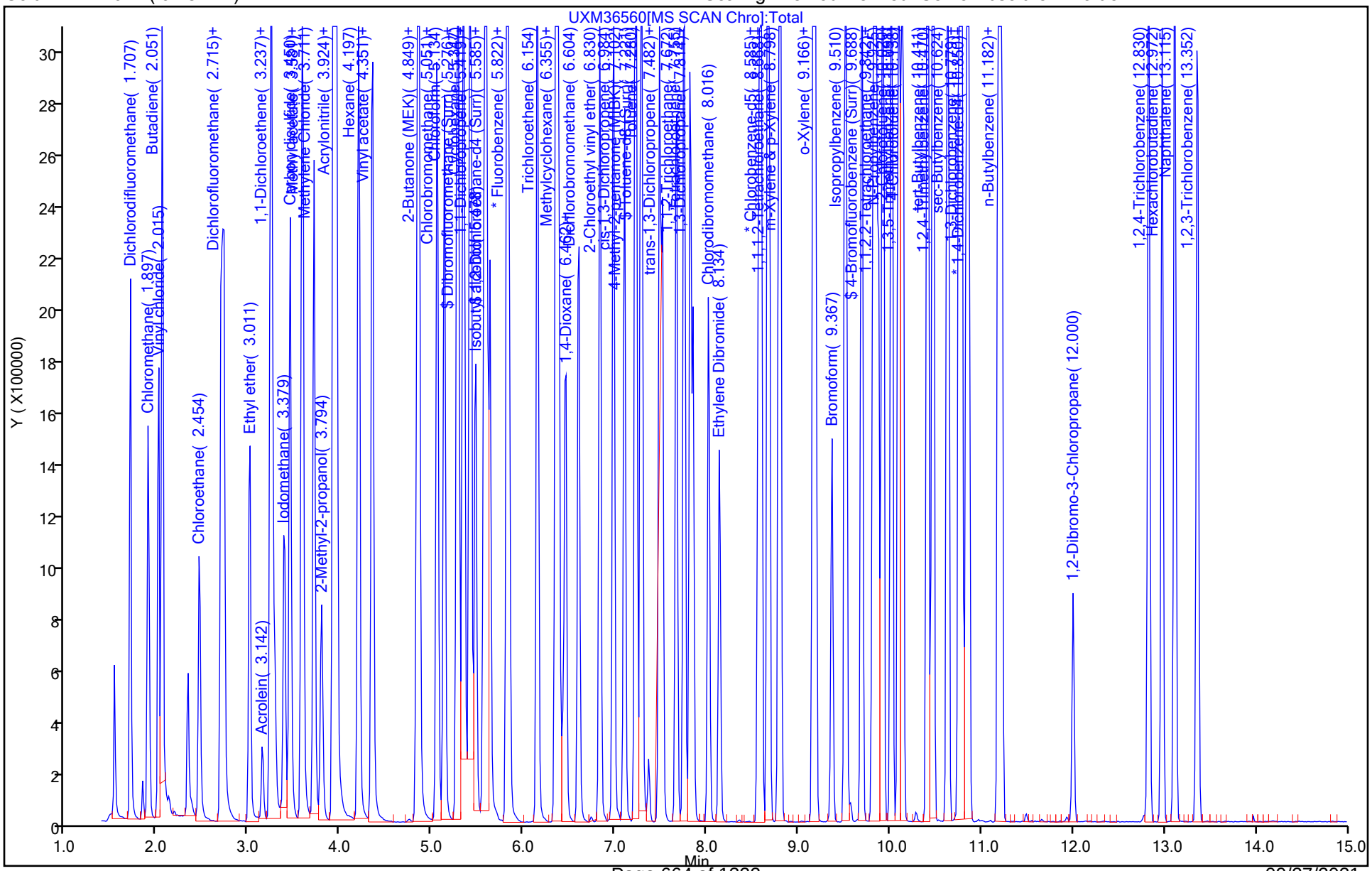
Report Date: 26-Apr-2021 08:33:40 Chrom Revision: 2.3 08-Apr-2021 17:17:48

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



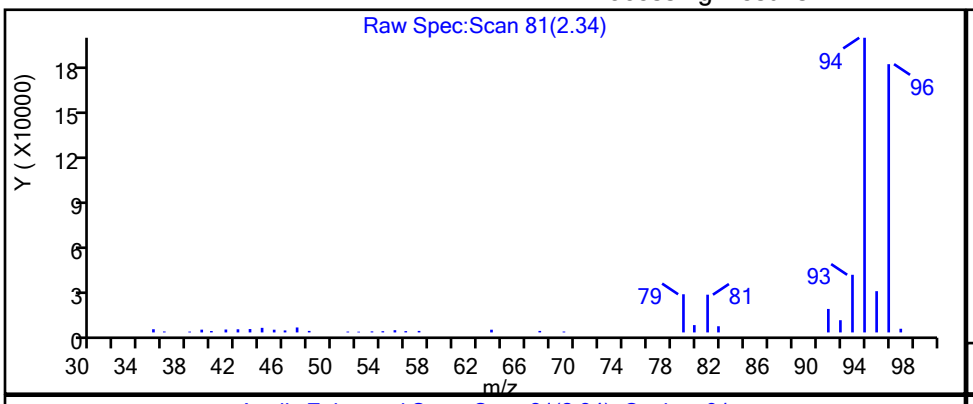
User Disabled Compound Report

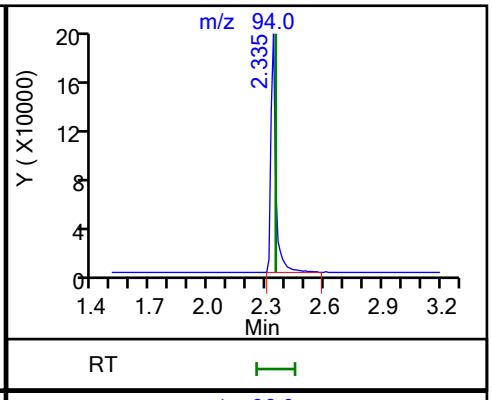
Eurofins TestAmerica, Canton

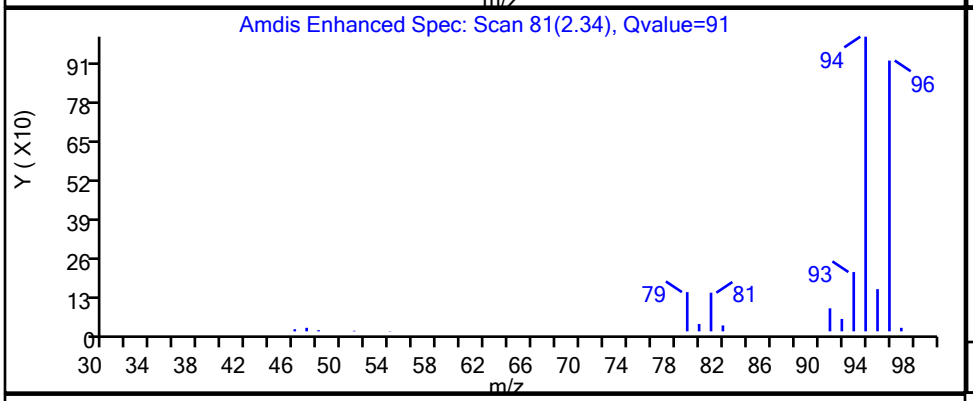
Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36560.D
Injection Date: 23-Apr-2021 12:28:30 Instrument ID: A3UX16
Lims ID: std8260 L7
Client ID:
Operator ID: 001765 ALS Bottle#: 10 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

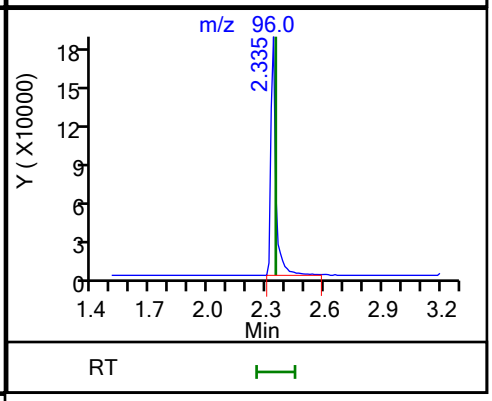
13 Bromomethane, CAS: 74-83-9

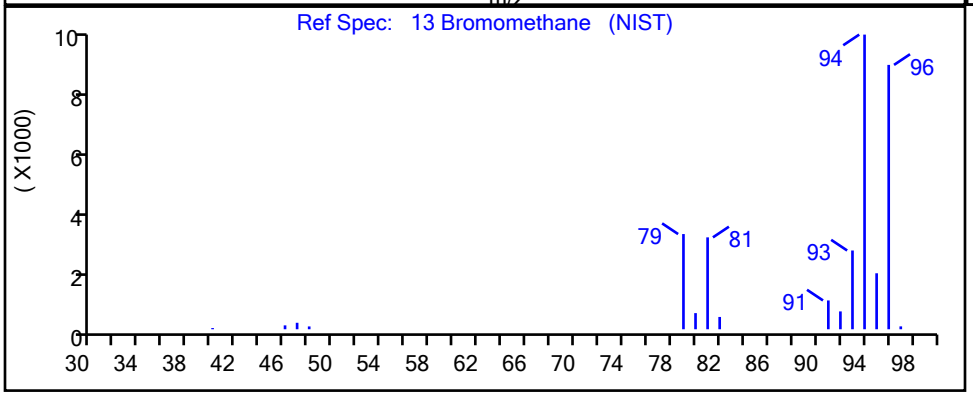
Processing Results











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

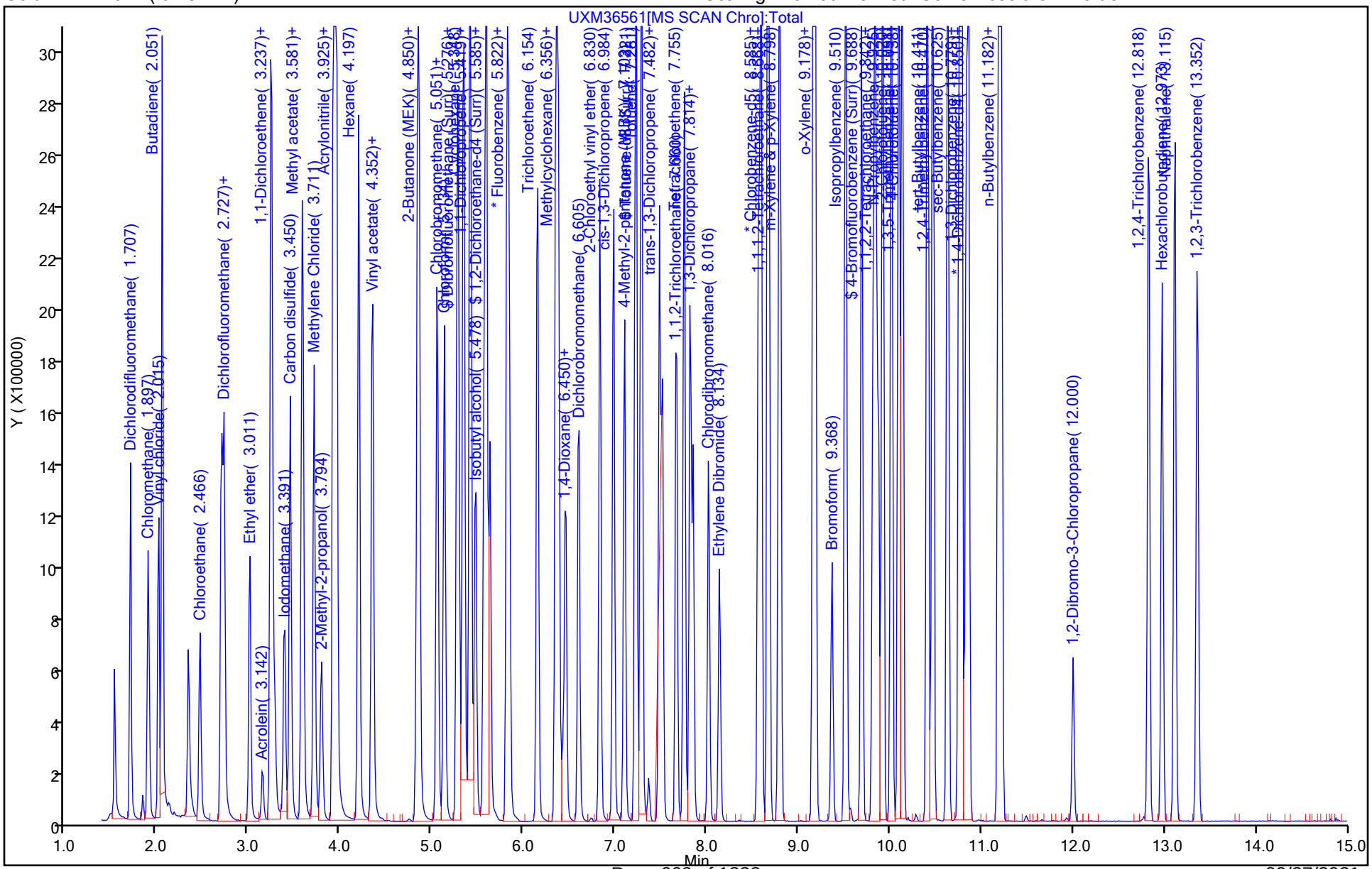
Report Date: 26-Apr-2021 08:33:49 Chrom Revision: 2.3 08-Apr-2021 17:17:48

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



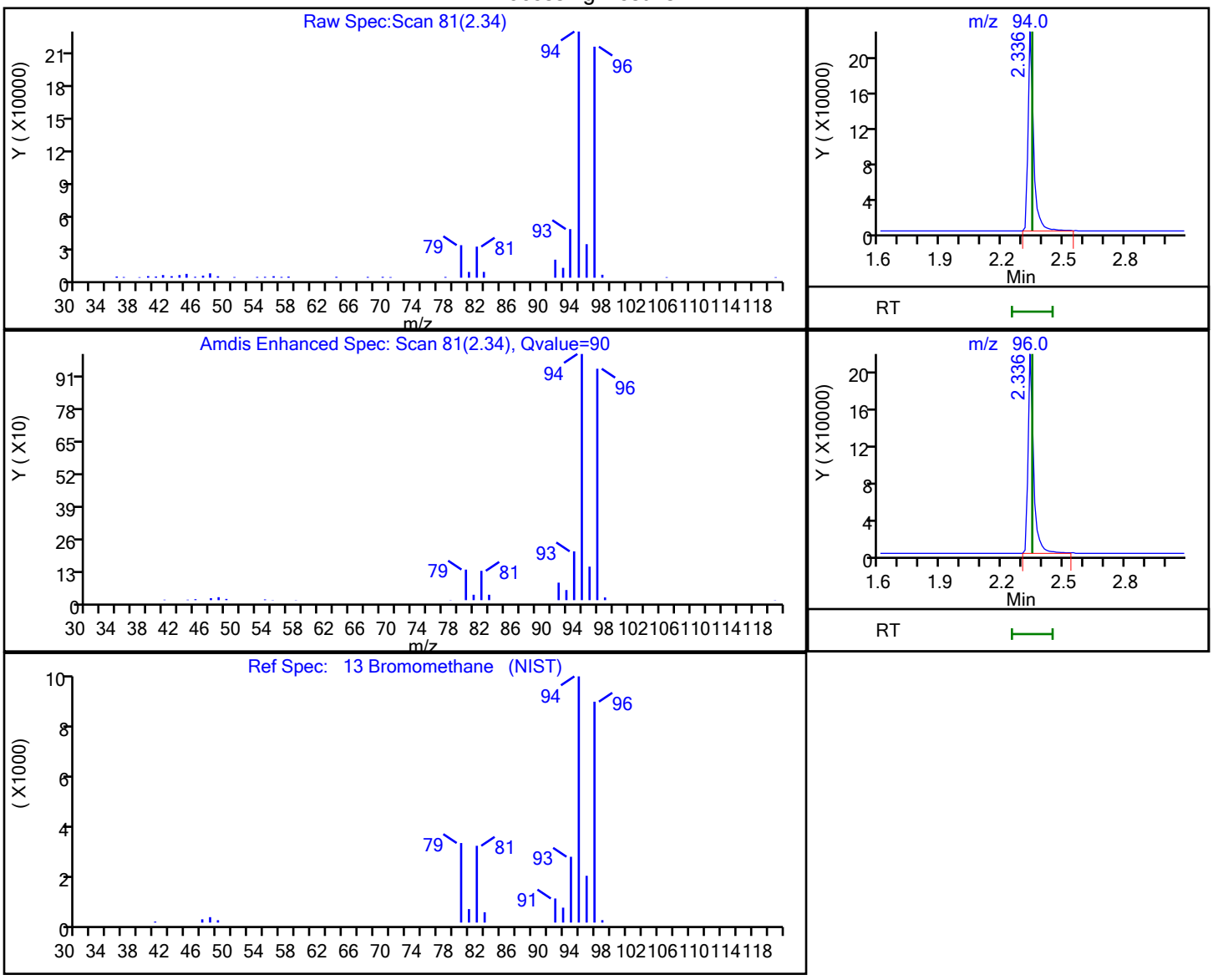
User Disabled Compound Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36561.D				
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

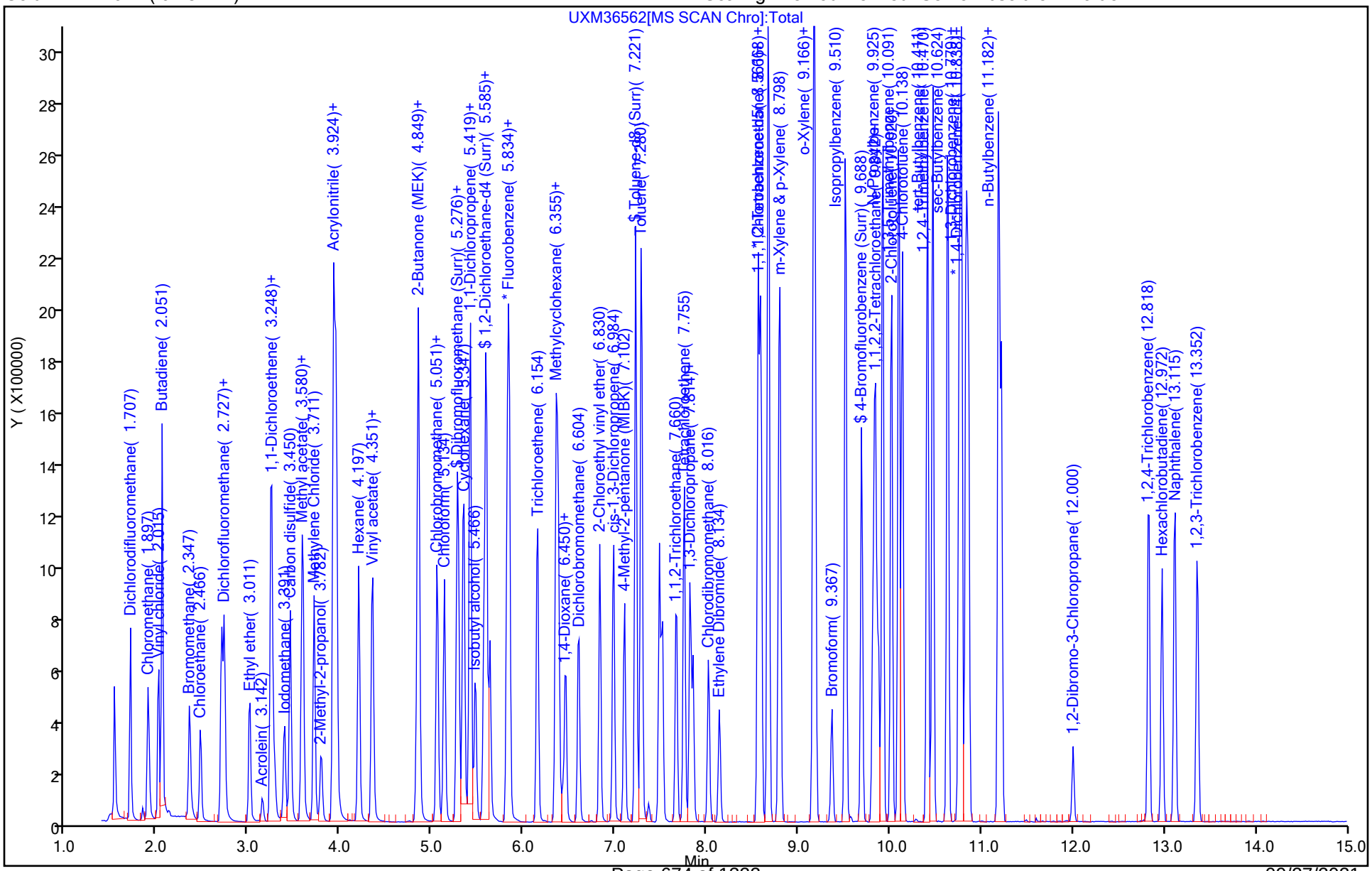
Report Date: 26-Apr-2021 08:33:59 Chrom Revision: 2.3 08-Apr-2021 17:17:48

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

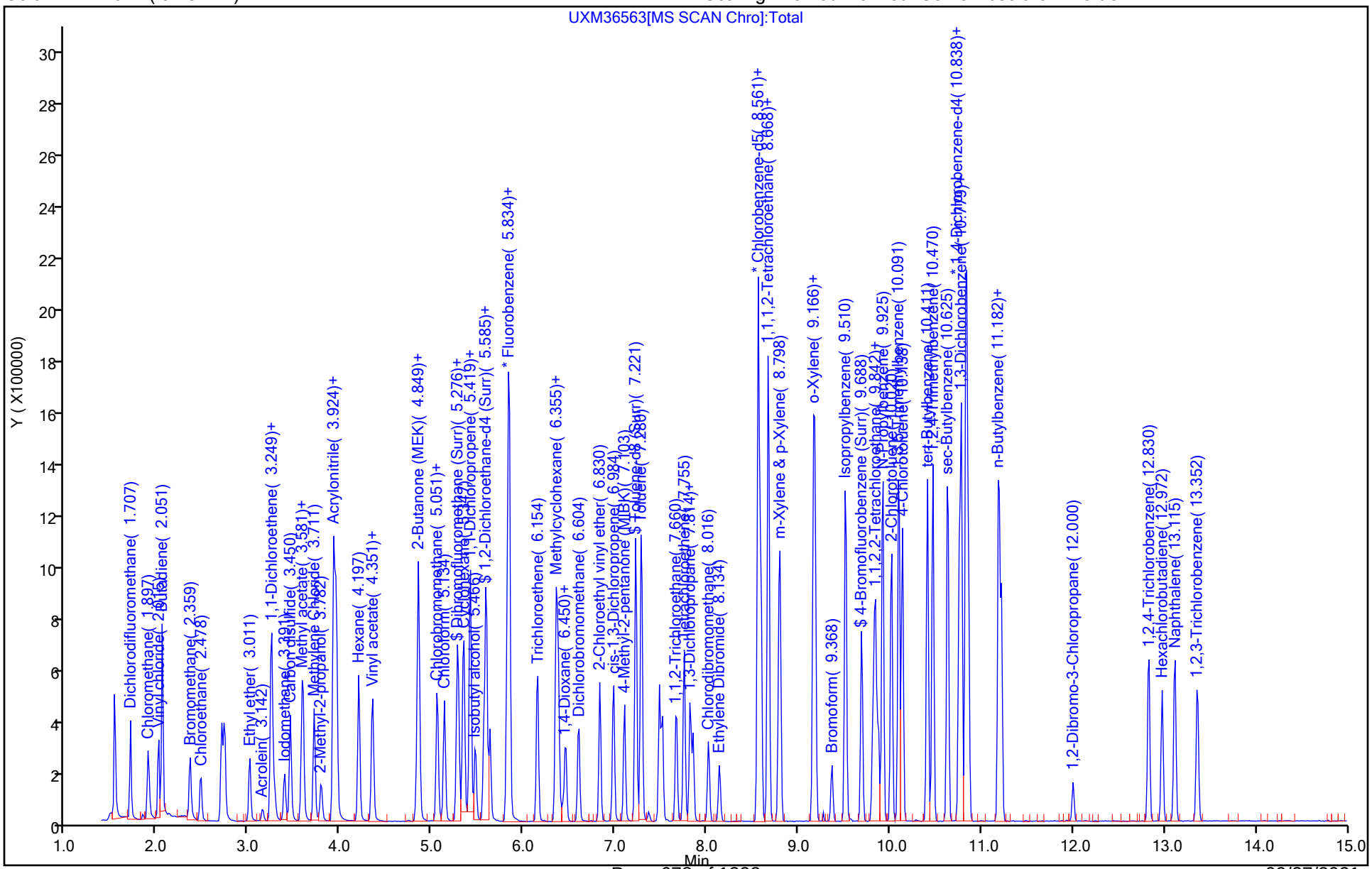
Report Date: 26-Apr-2021 08:34:09 Chrom Revision: 2.3 08-Apr-2021 17:17:48

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

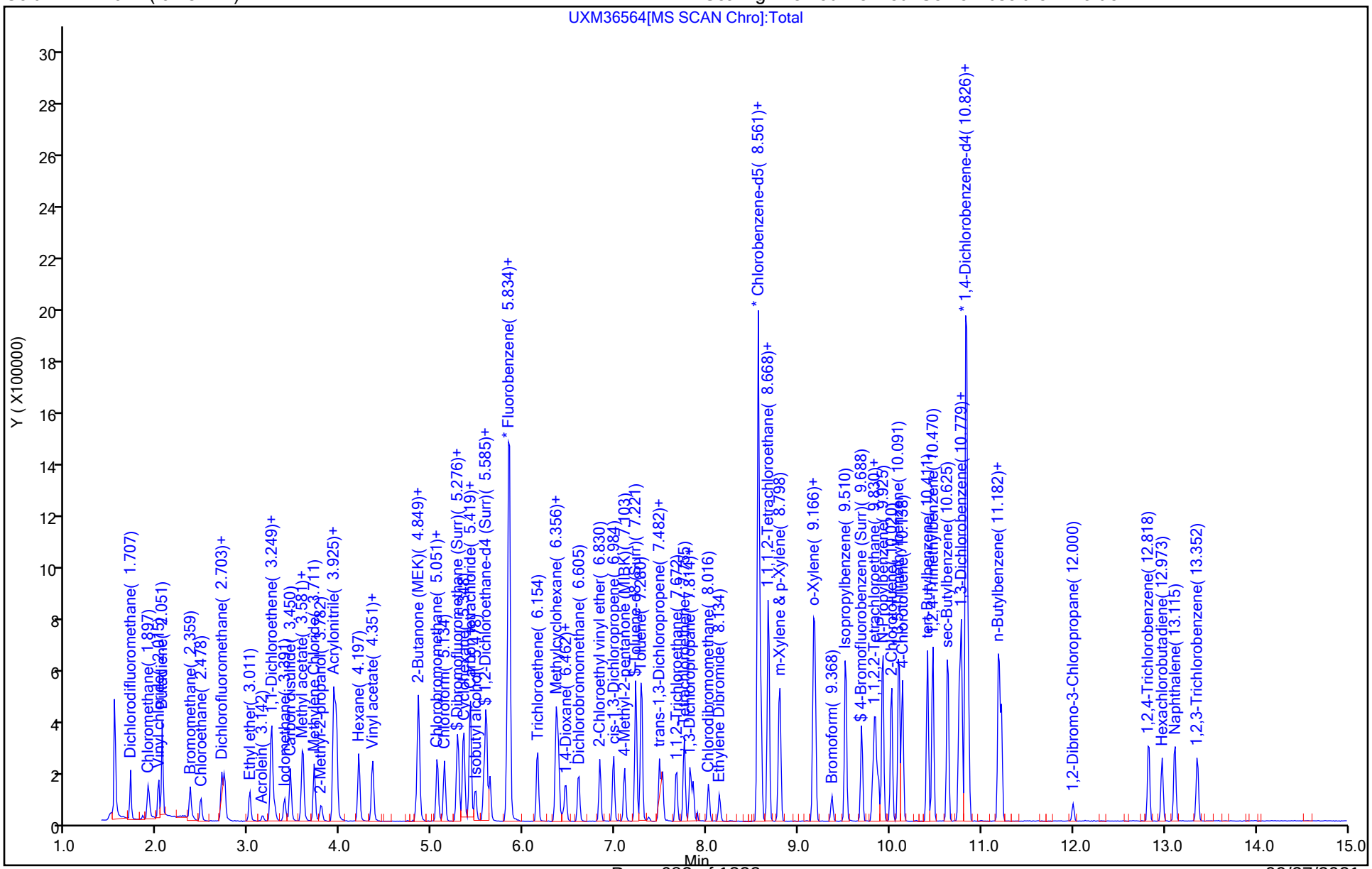
Report Date: 26-Apr-2021 08:34:19 Chrom Revision: 2.3 08-Apr-2021 17:17:48

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

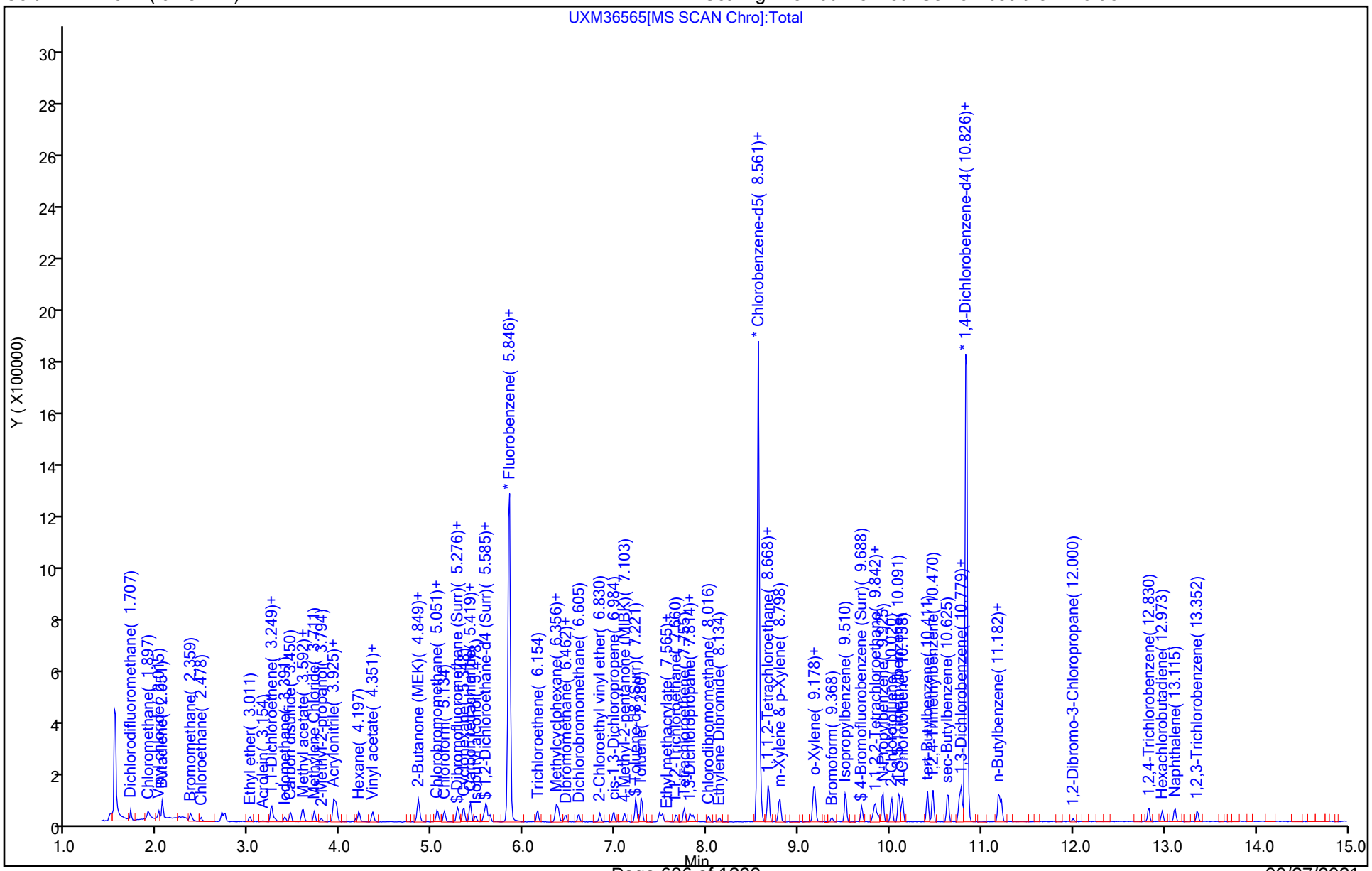
Report Date: 26-Apr-2021 08:34:28 Chrom Revision: 2.3 08-Apr-2021 17:17:48

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

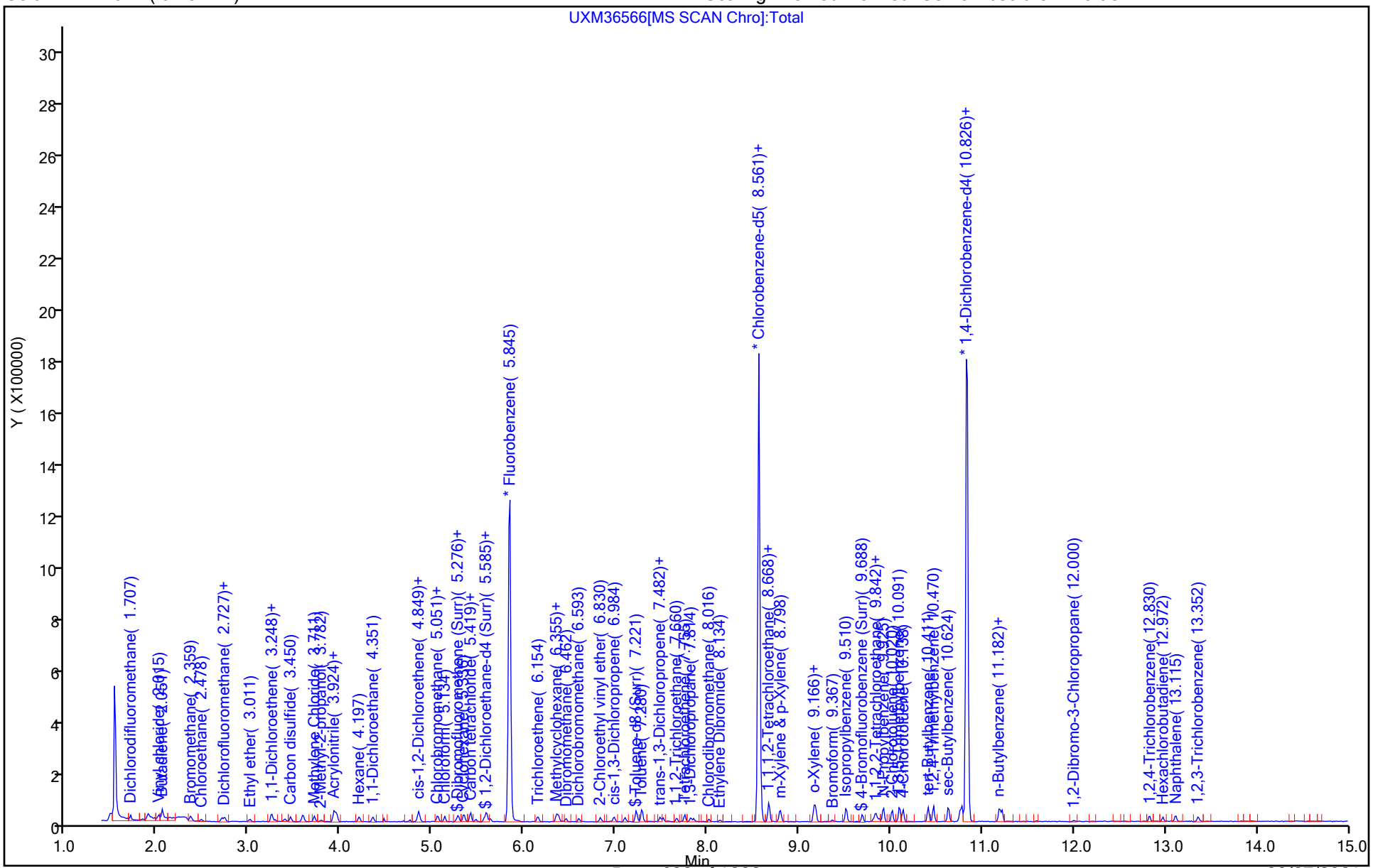
Report Date: 26-Apr-2021 08:34:37 Chrom Revision: 2.3 08-Apr-2021 17:17:48

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



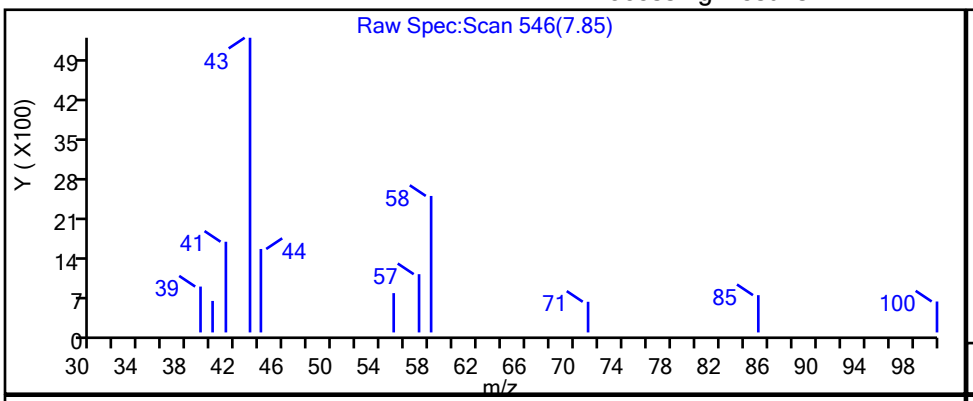
User Disabled Compound Report

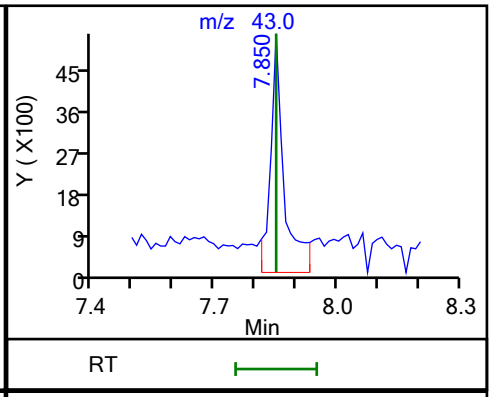
Eurofins TestAmerica, Canton

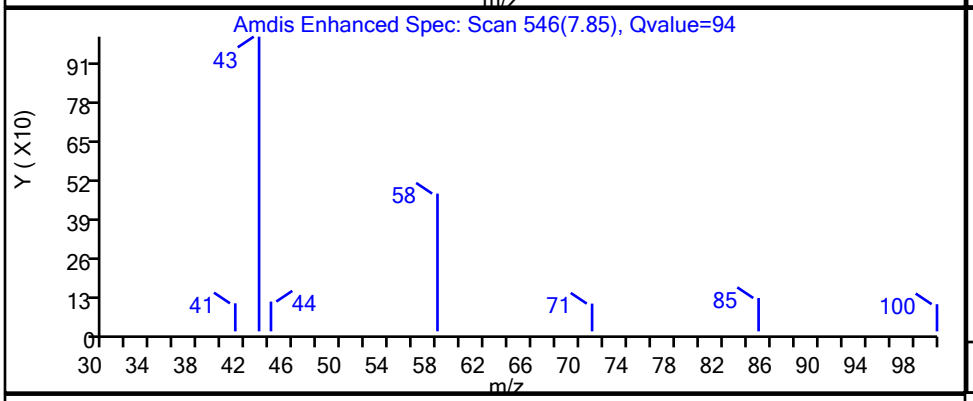
Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36566.D
Injection Date: 23-Apr-2021 14:53:30 Instrument ID: A3UX16
Lims ID: std8260 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

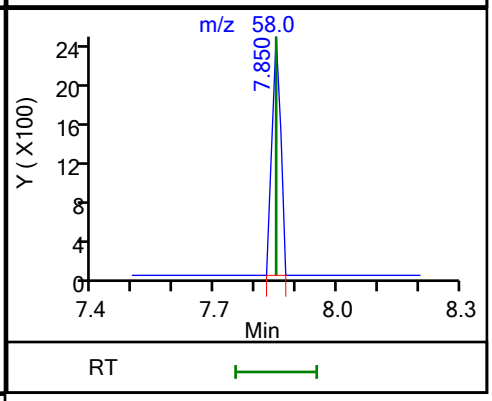
76 2-Hexanone, CAS: 591-78-6

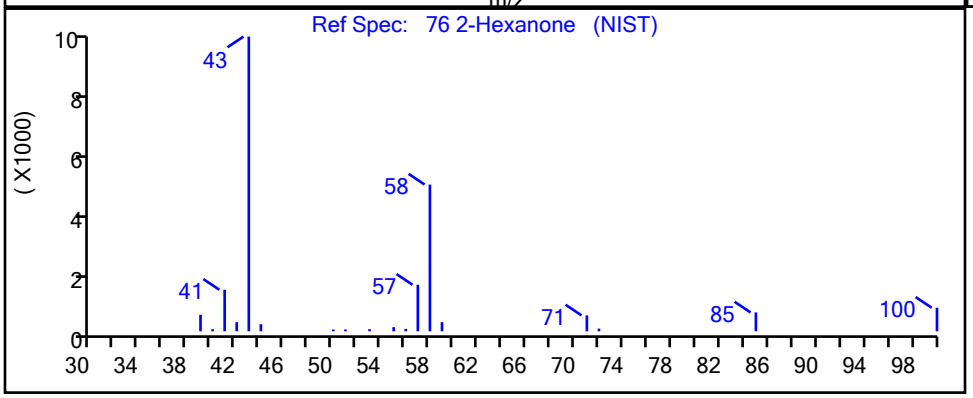
Processing Results











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

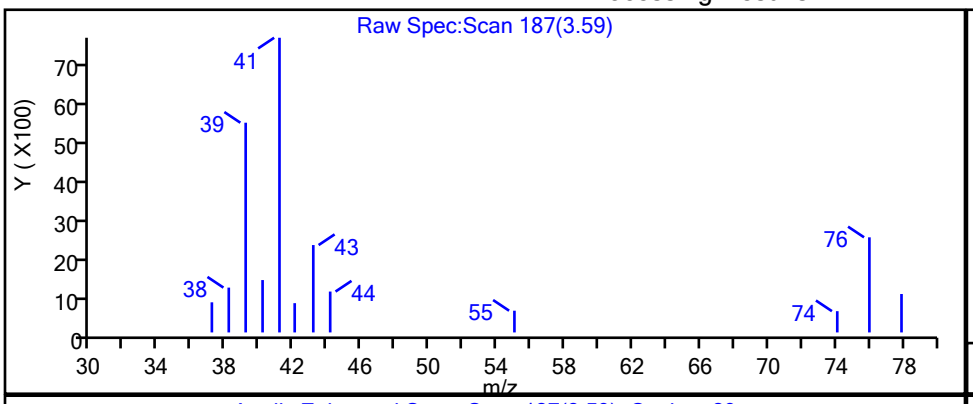
User Disabled Compound Report

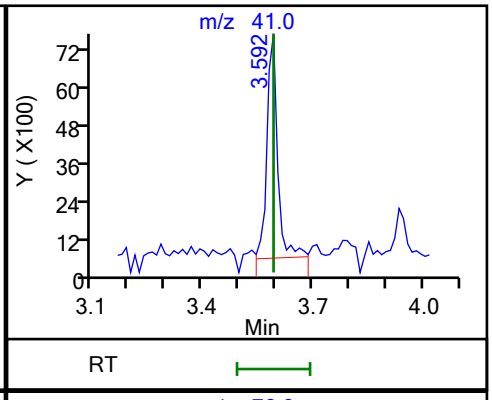
Eurofins TestAmerica, Canton

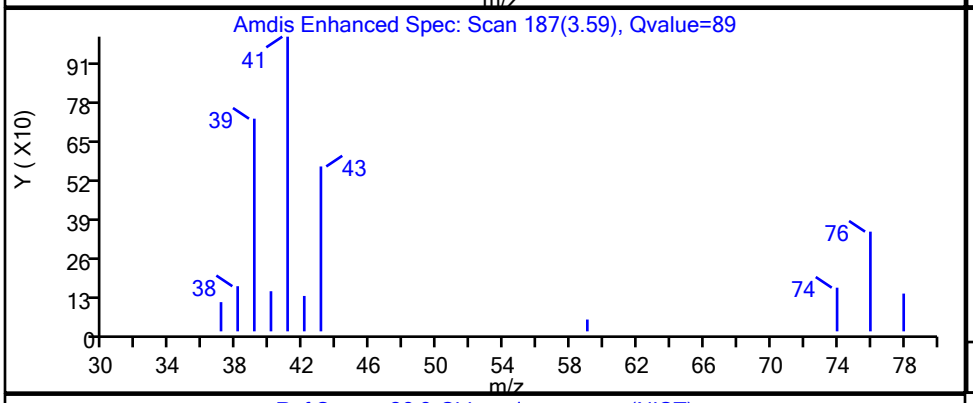
Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36566.D
Injection Date: 23-Apr-2021 14:53:30 Instrument ID: A3UX16
Lims ID: std8260 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

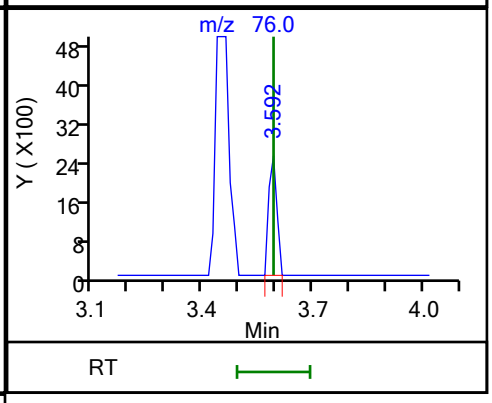
26 3-Chloro-1-propene, CAS: 107-05-1

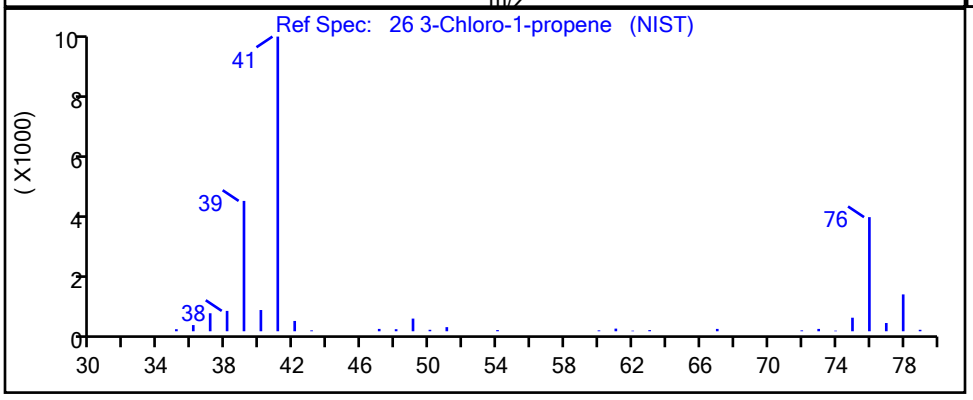
Processing Results











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

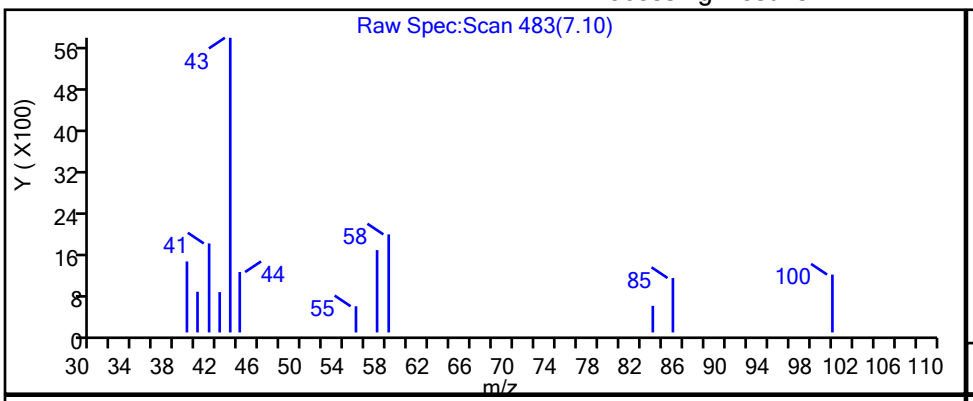
User Disabled Compound Report

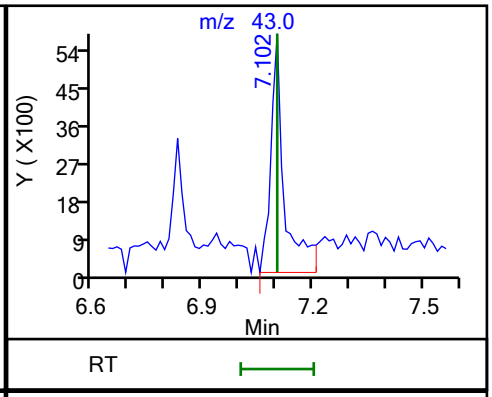
Eurofins TestAmerica, Canton

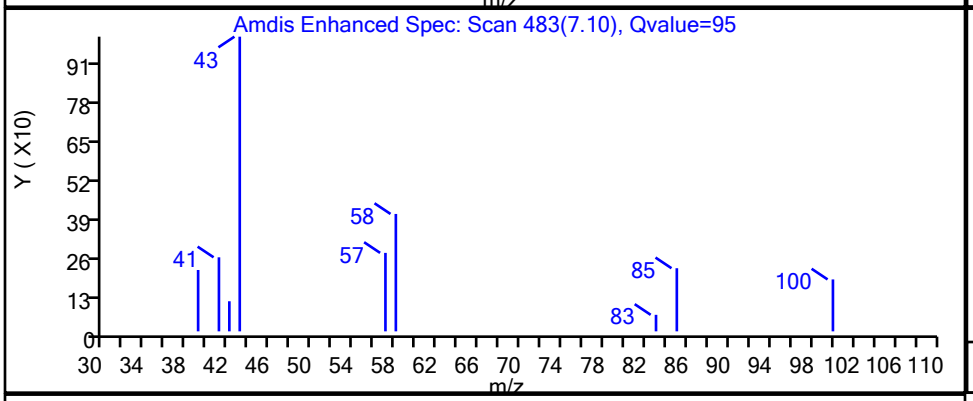
Data File:	\\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36566.D				
Injection Date:	23-Apr-2021 14:53:30	Instrument ID:	A3UX16		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001765	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_16	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

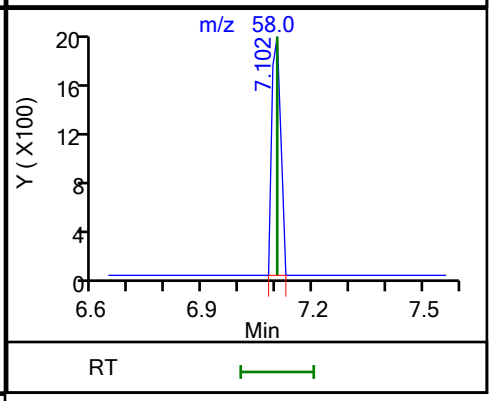
69 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

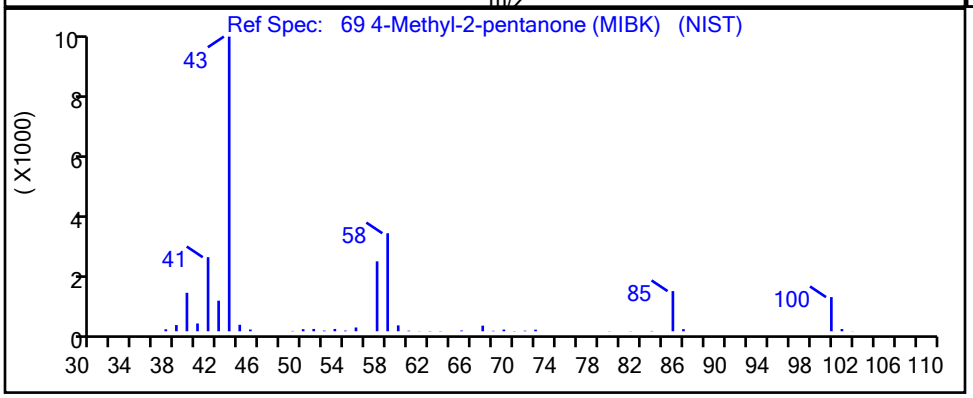
Processing Results











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

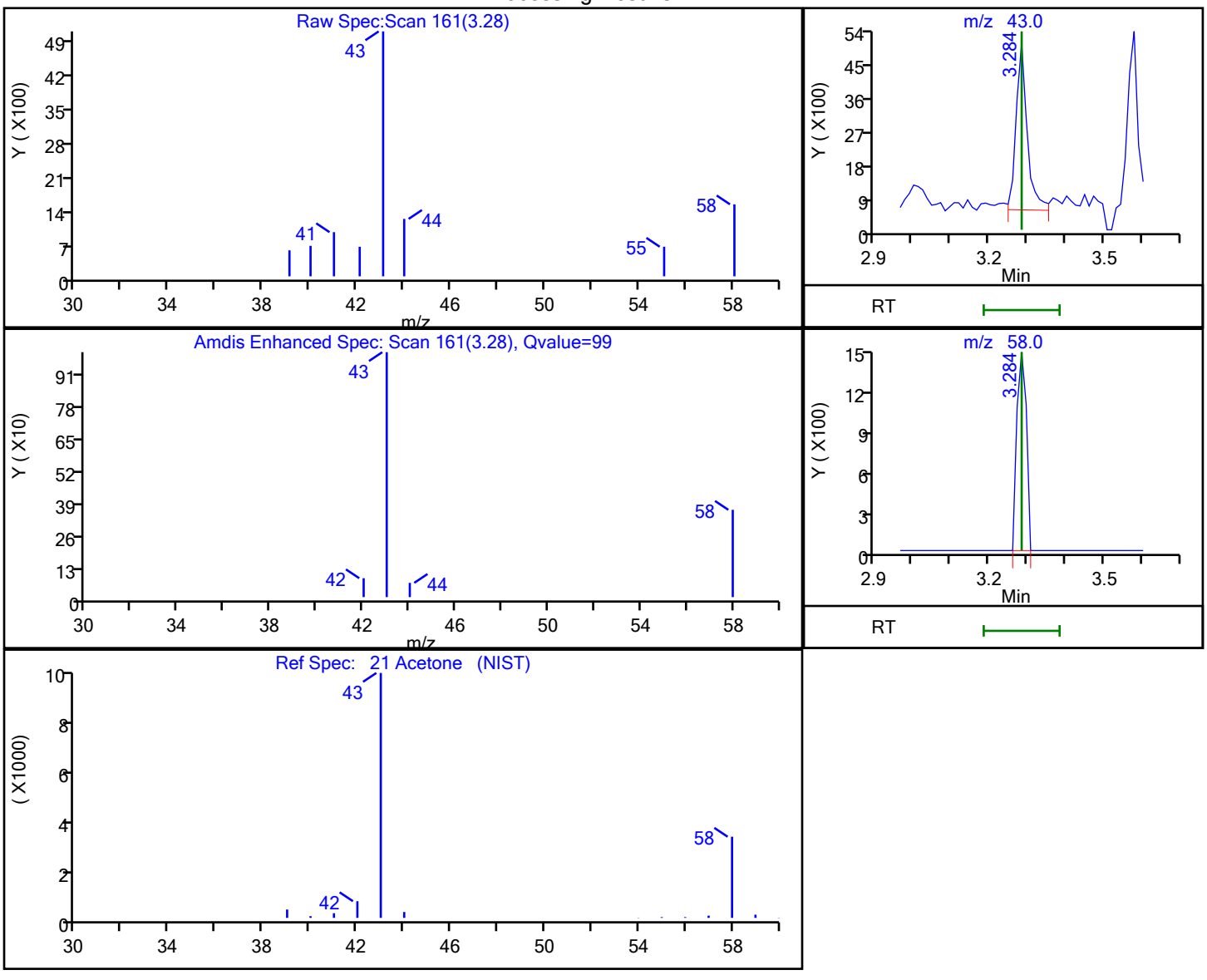
User Disabled Compound Report

Eurofins TestAmerica, Canton

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		

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

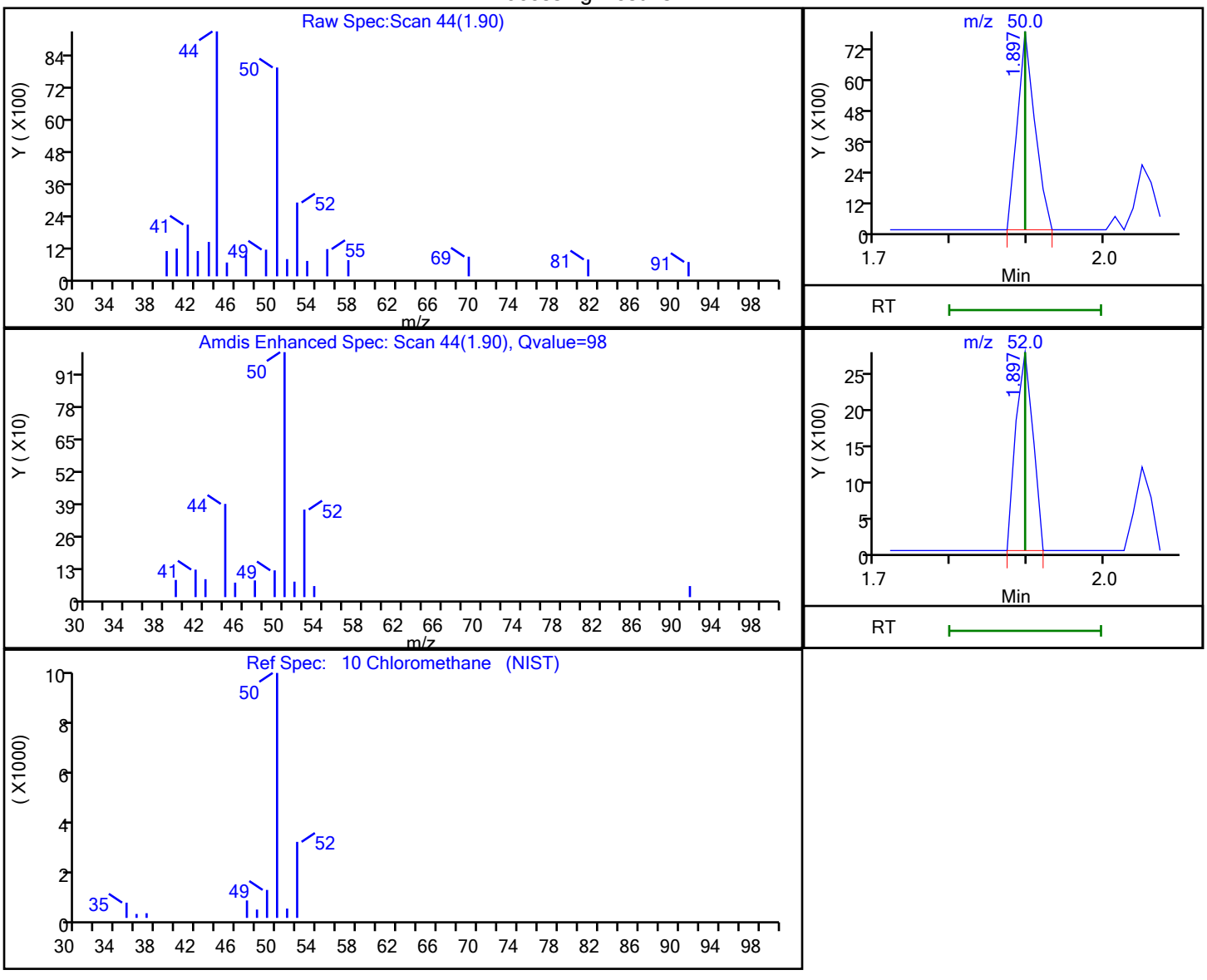
User Disabled Compound Report

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		

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

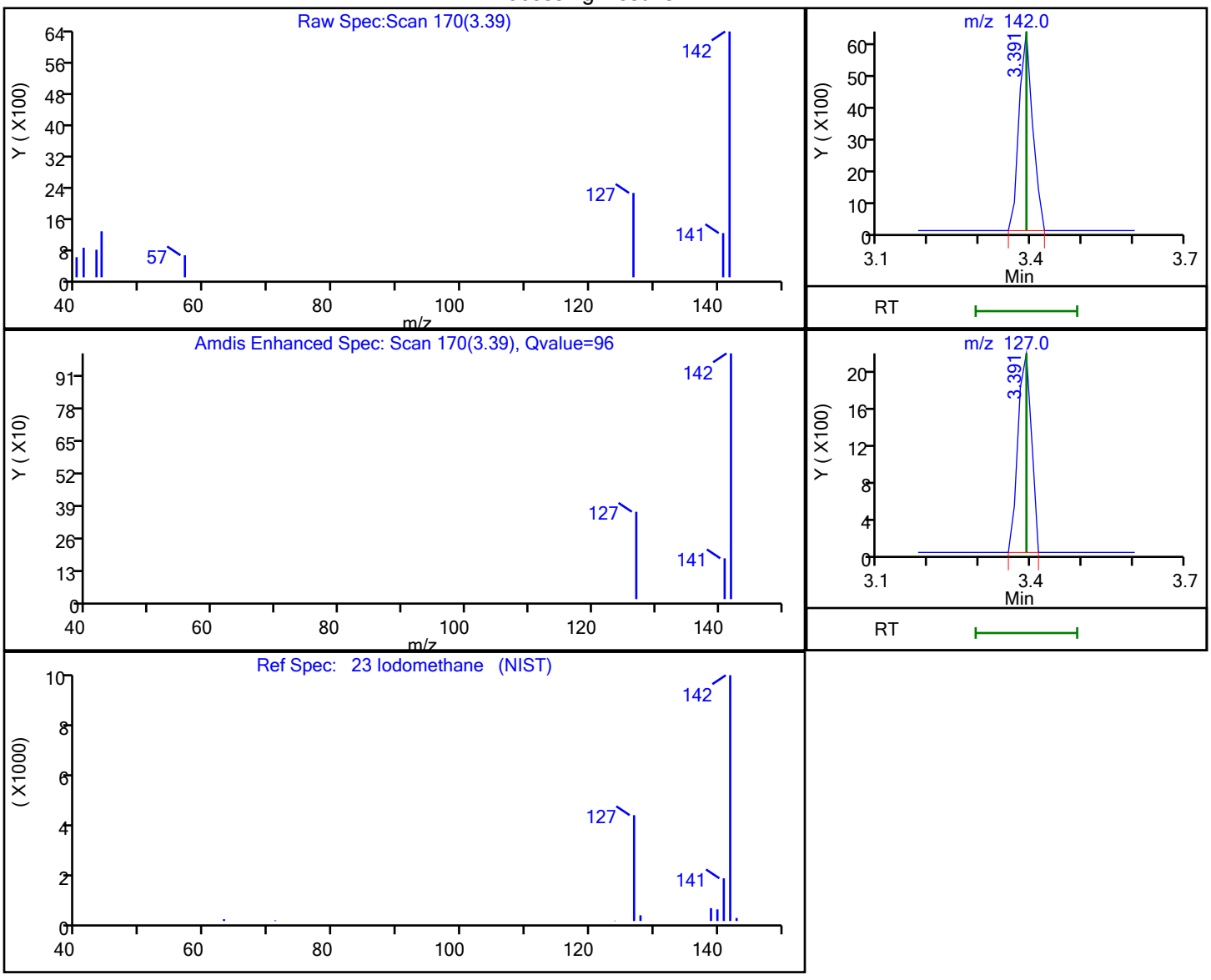
User Disabled Compound Report

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		

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

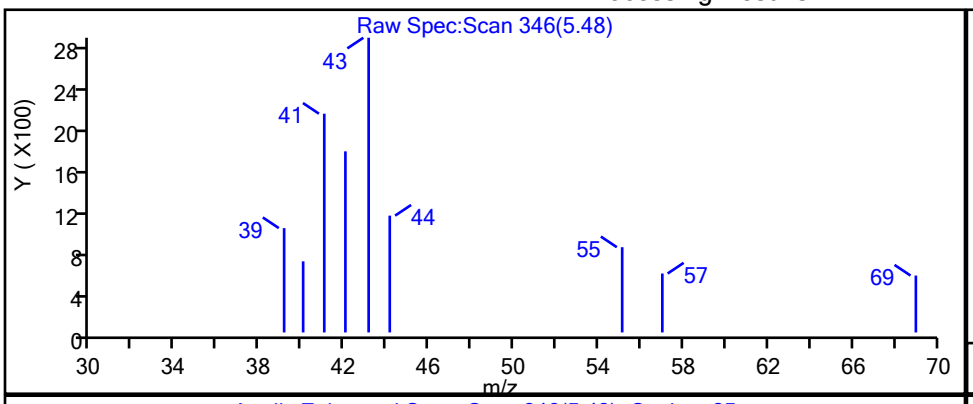
User Disabled Compound Report

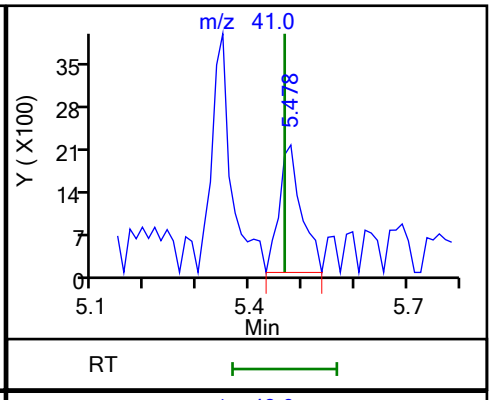
Eurofins TestAmerica, Canton

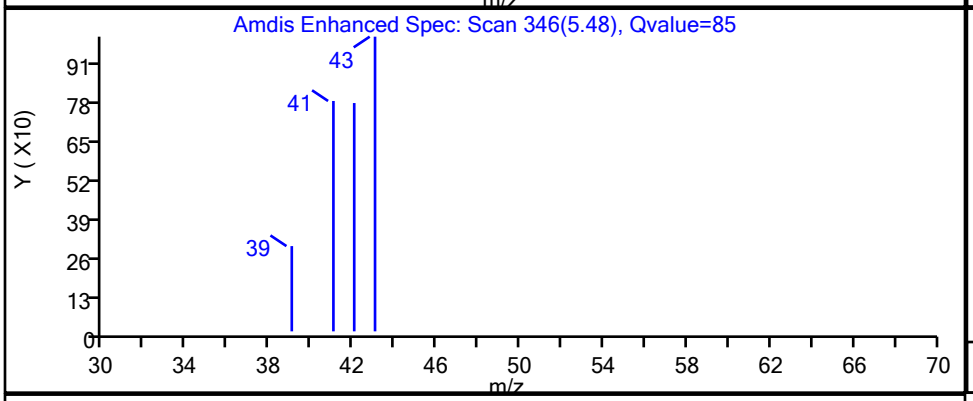
Data File:	\\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36566.D				
Injection Date:	23-Apr-2021 14:53:30	Instrument ID:	A3UX16		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001765	ALS Bottle#:	16	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_16	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

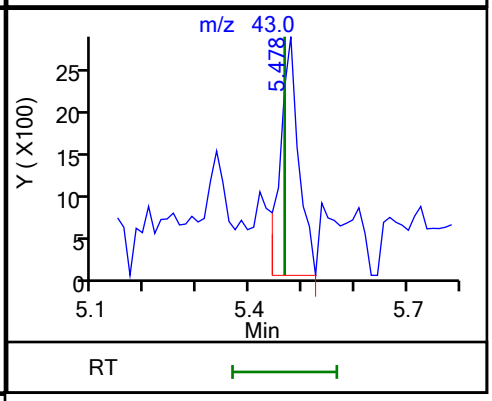
52 Isobutyl alcohol, CAS: 78-83-1

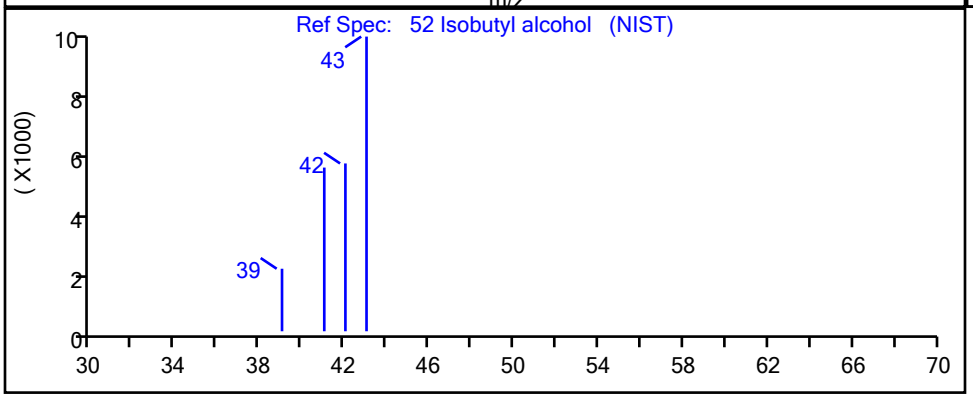
Processing Results











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

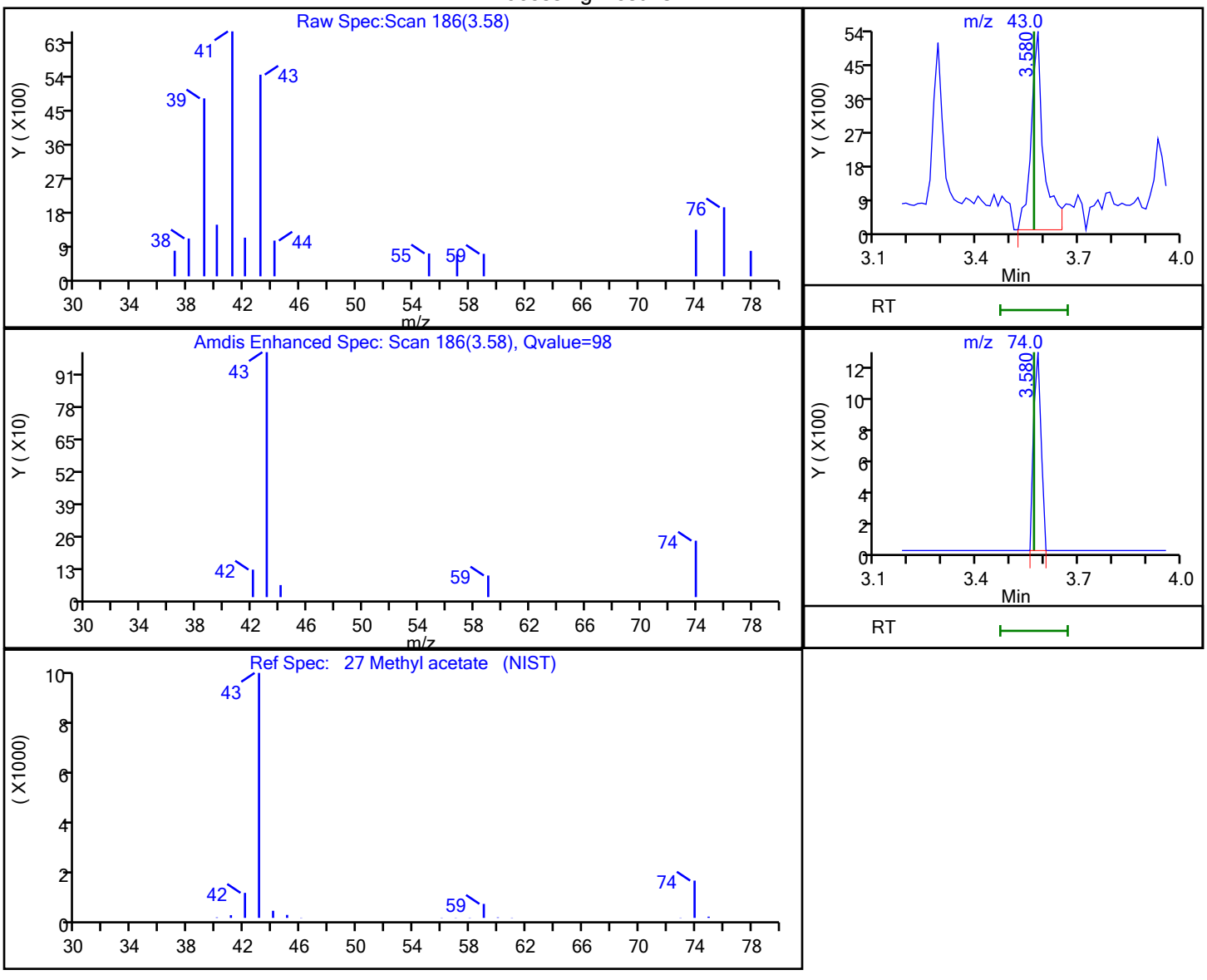
User Disabled Compound Report

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

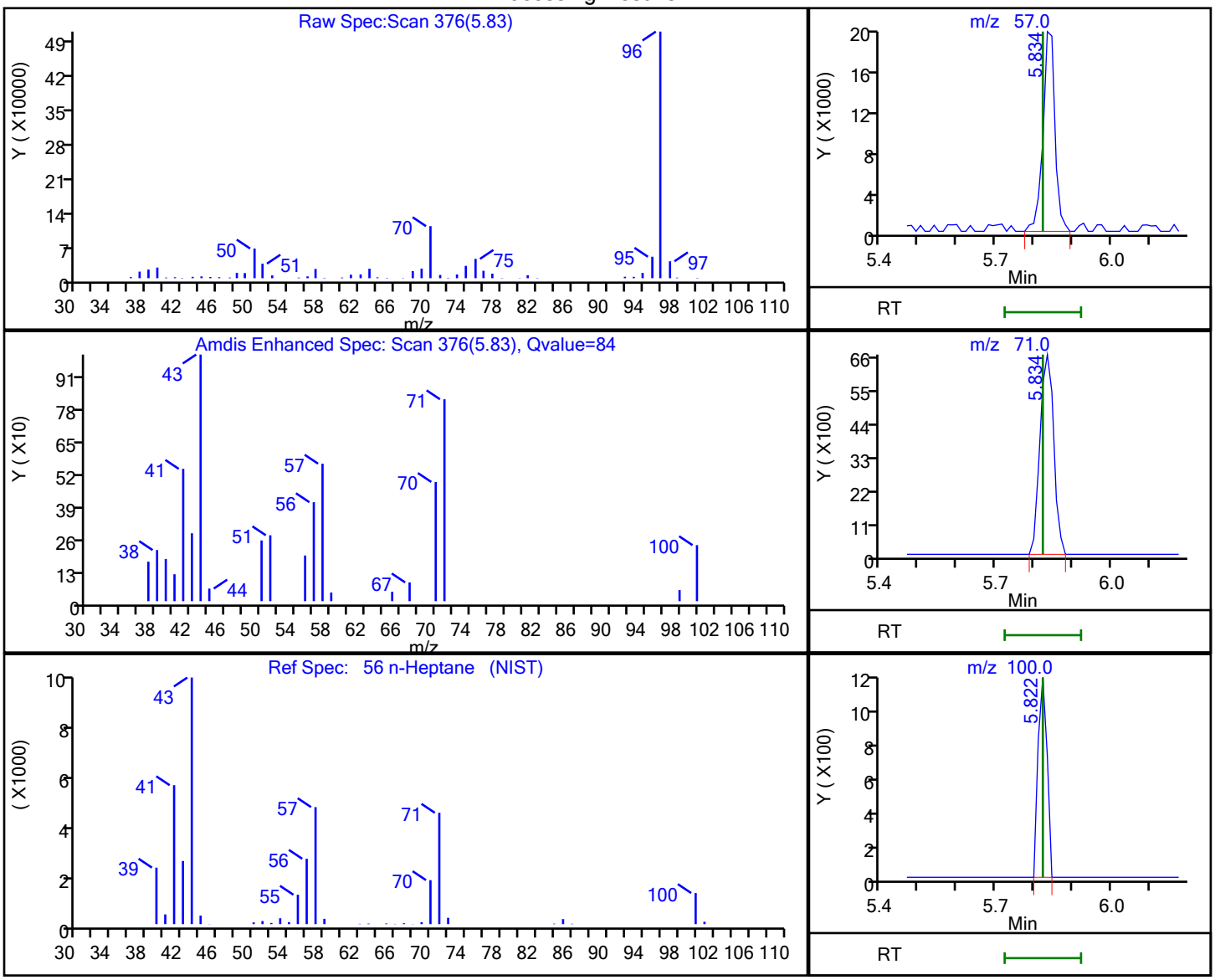
User Disabled Compound Report

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

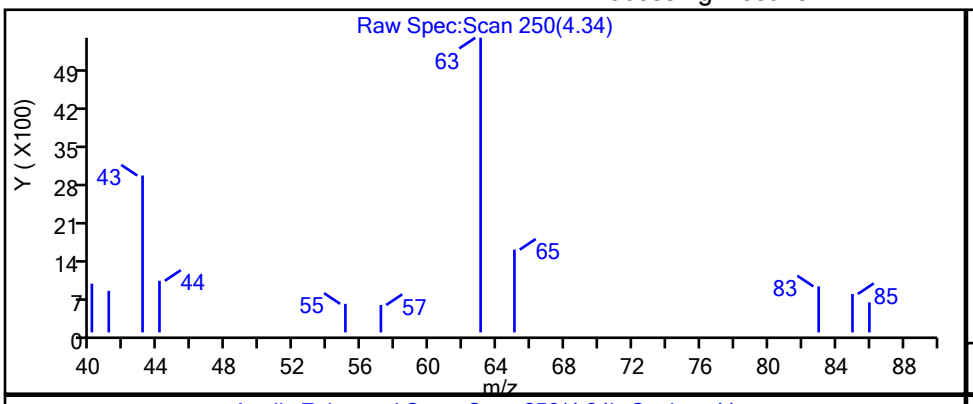
User Disabled Compound Report

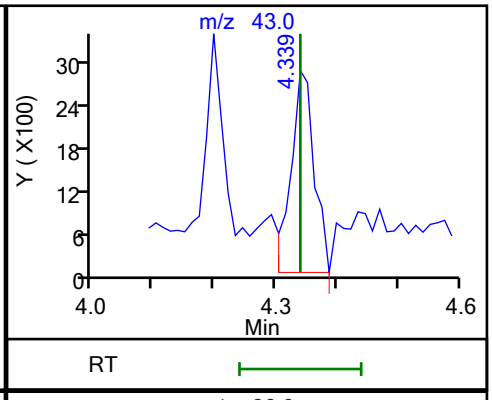
Eurofins TestAmerica, Canton

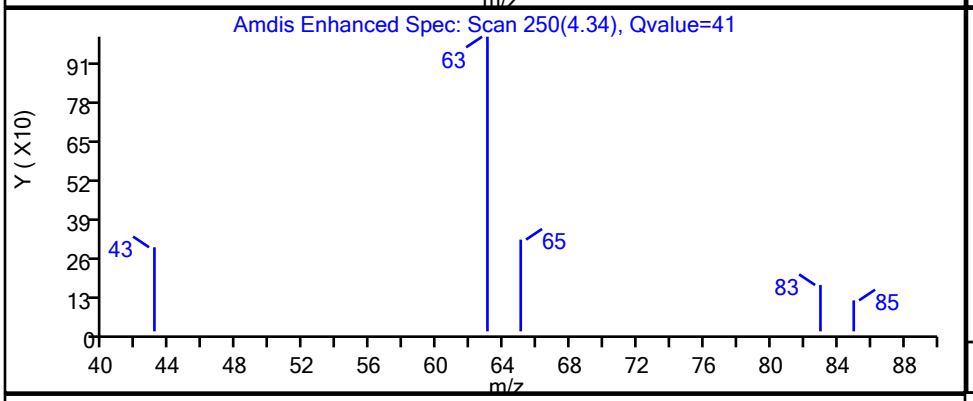
Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36566.D
Injection Date: 23-Apr-2021 14:53:30 Instrument ID: A3UX16
Lims ID: std8260 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 16 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

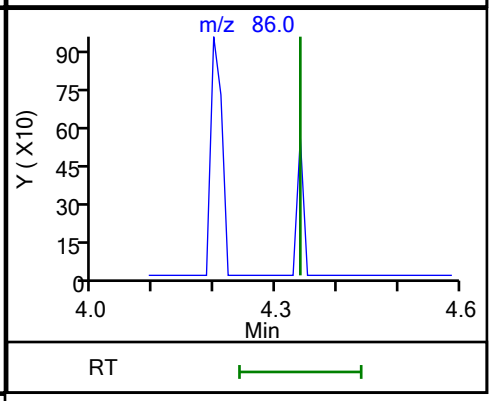
35 Vinyl acetate, CAS: 108-05-4

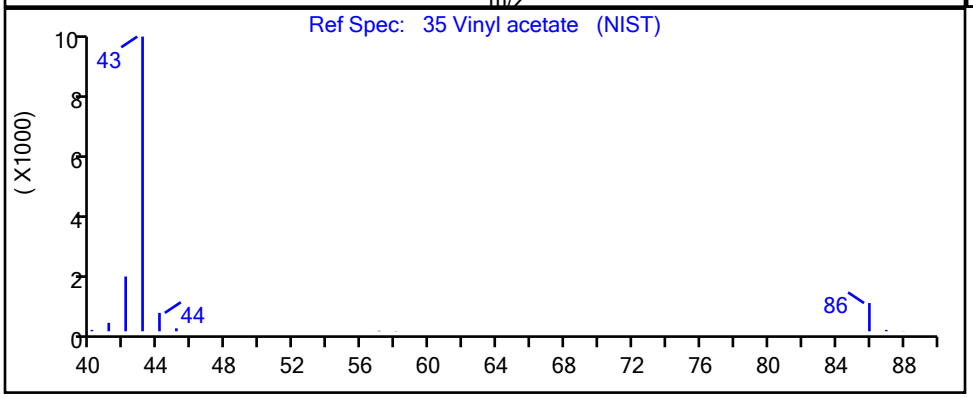
Processing Results











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

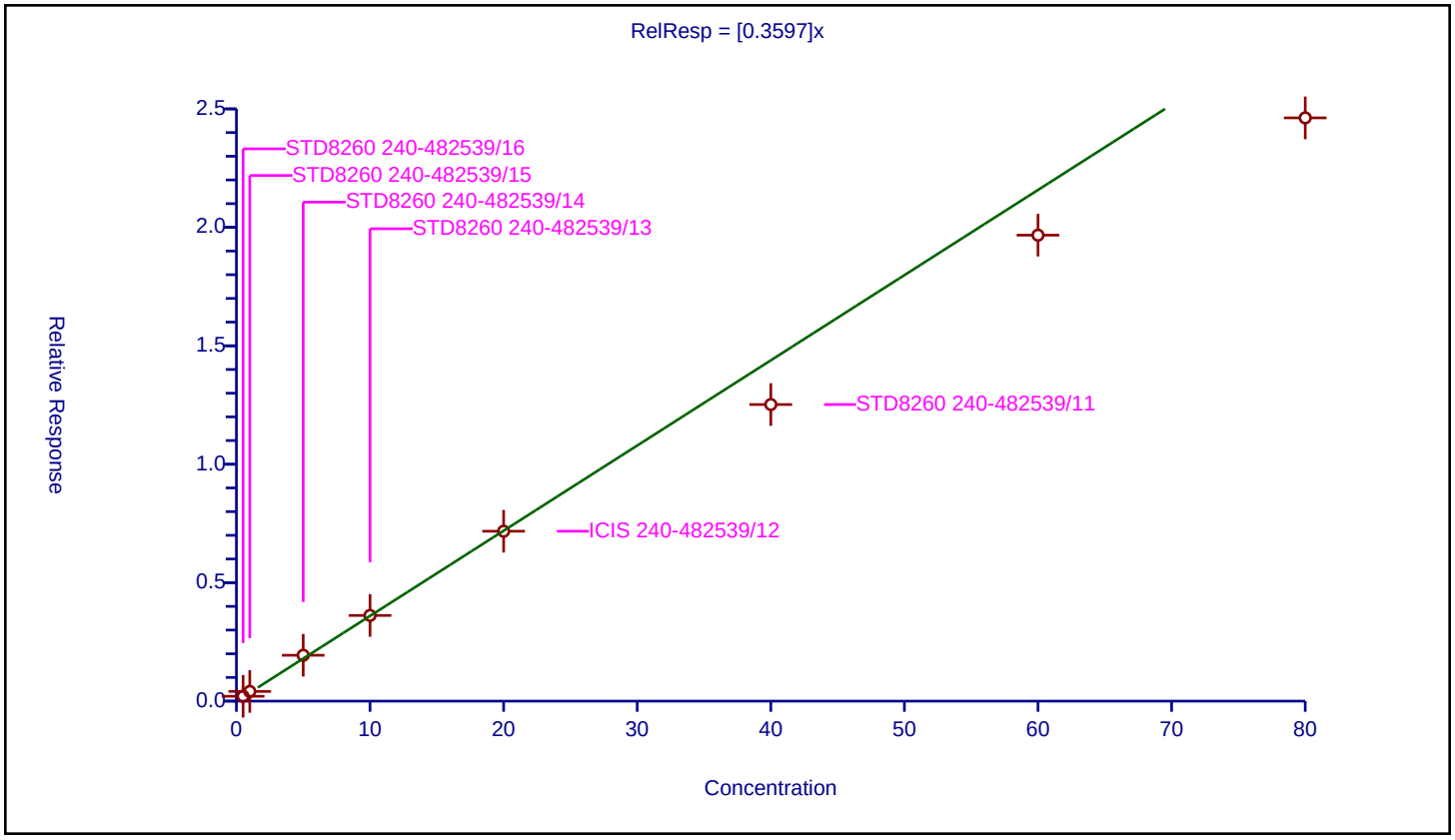
Curve Coefficients

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

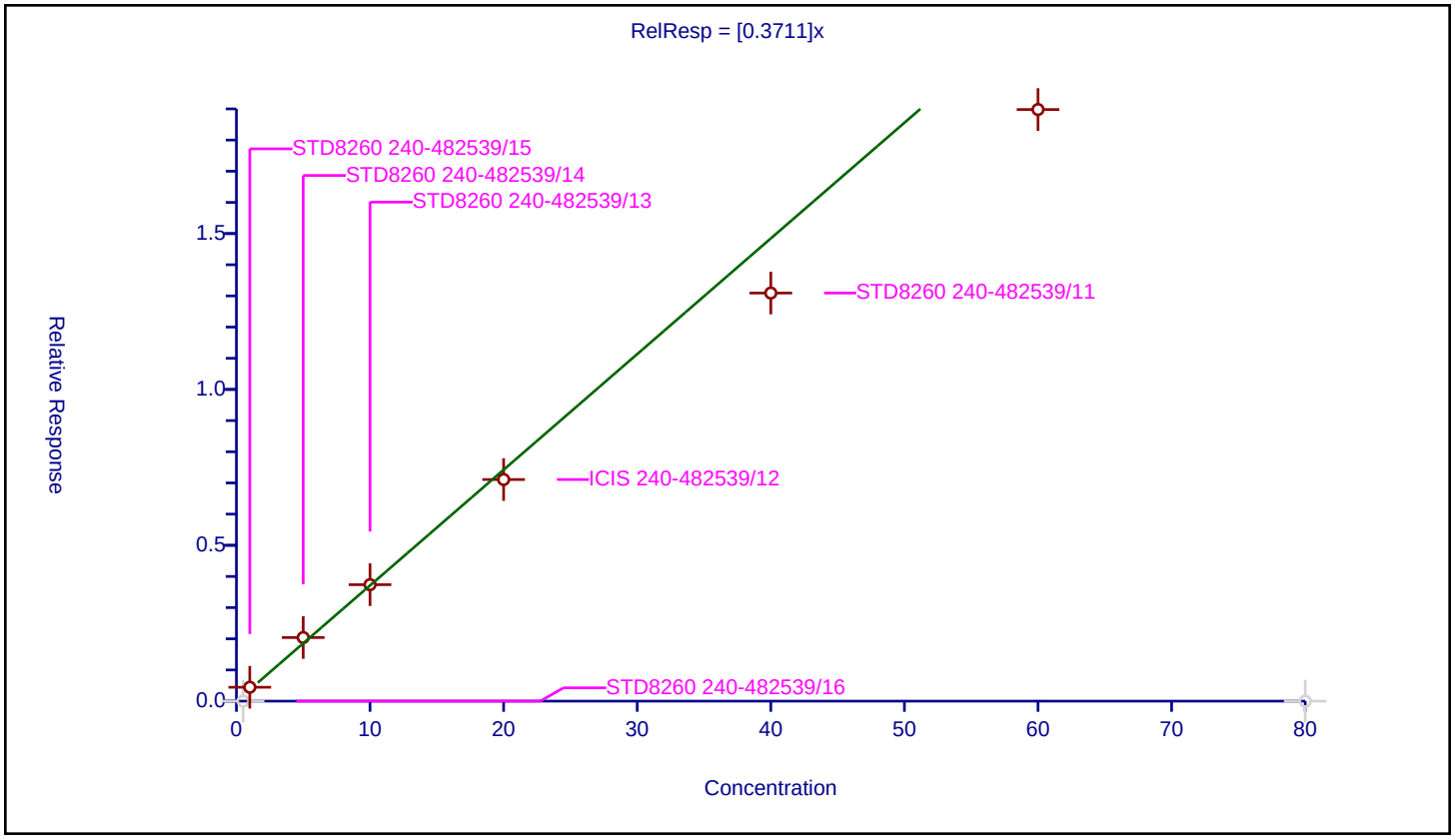
Curve Coefficients

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

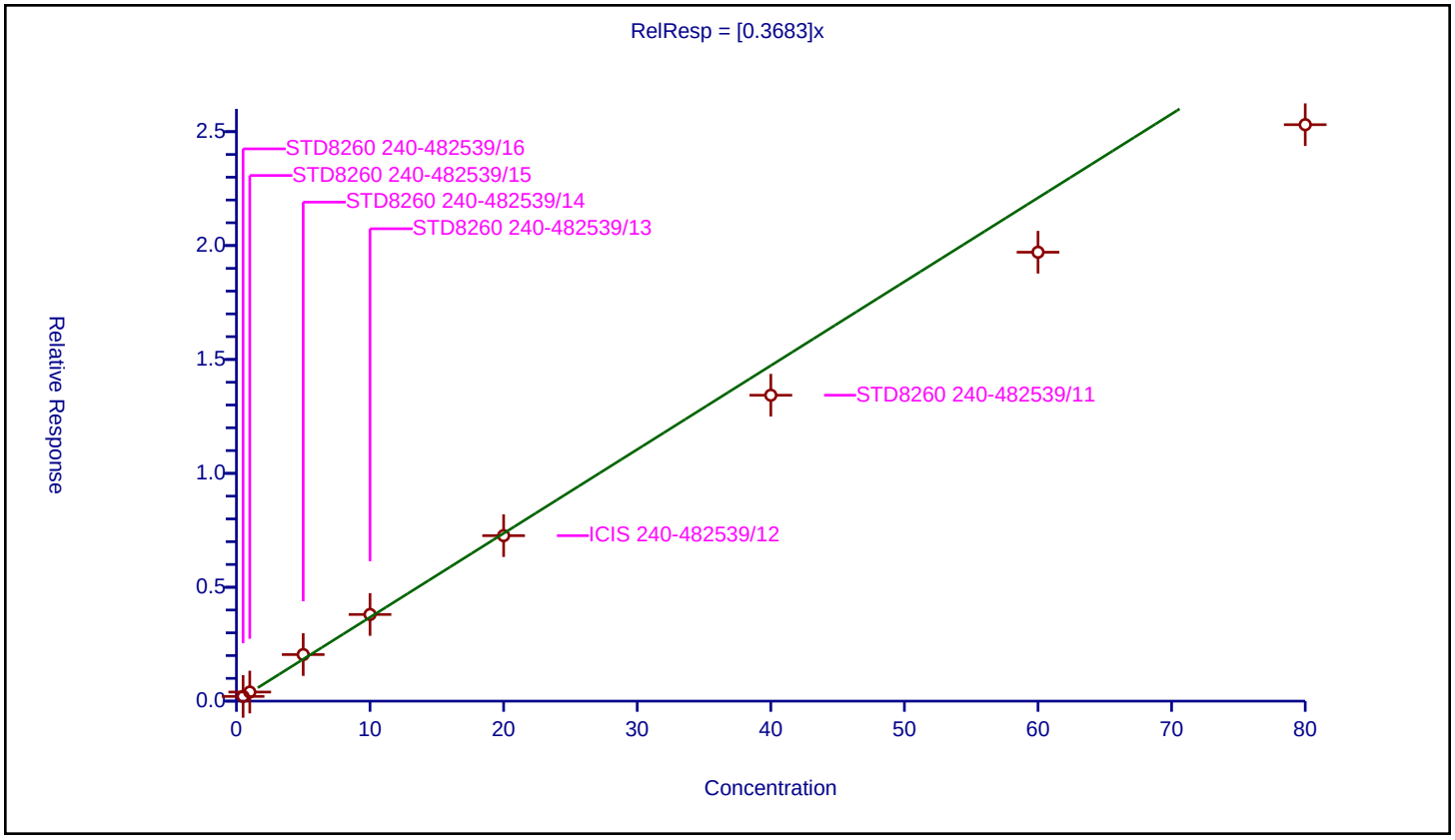
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

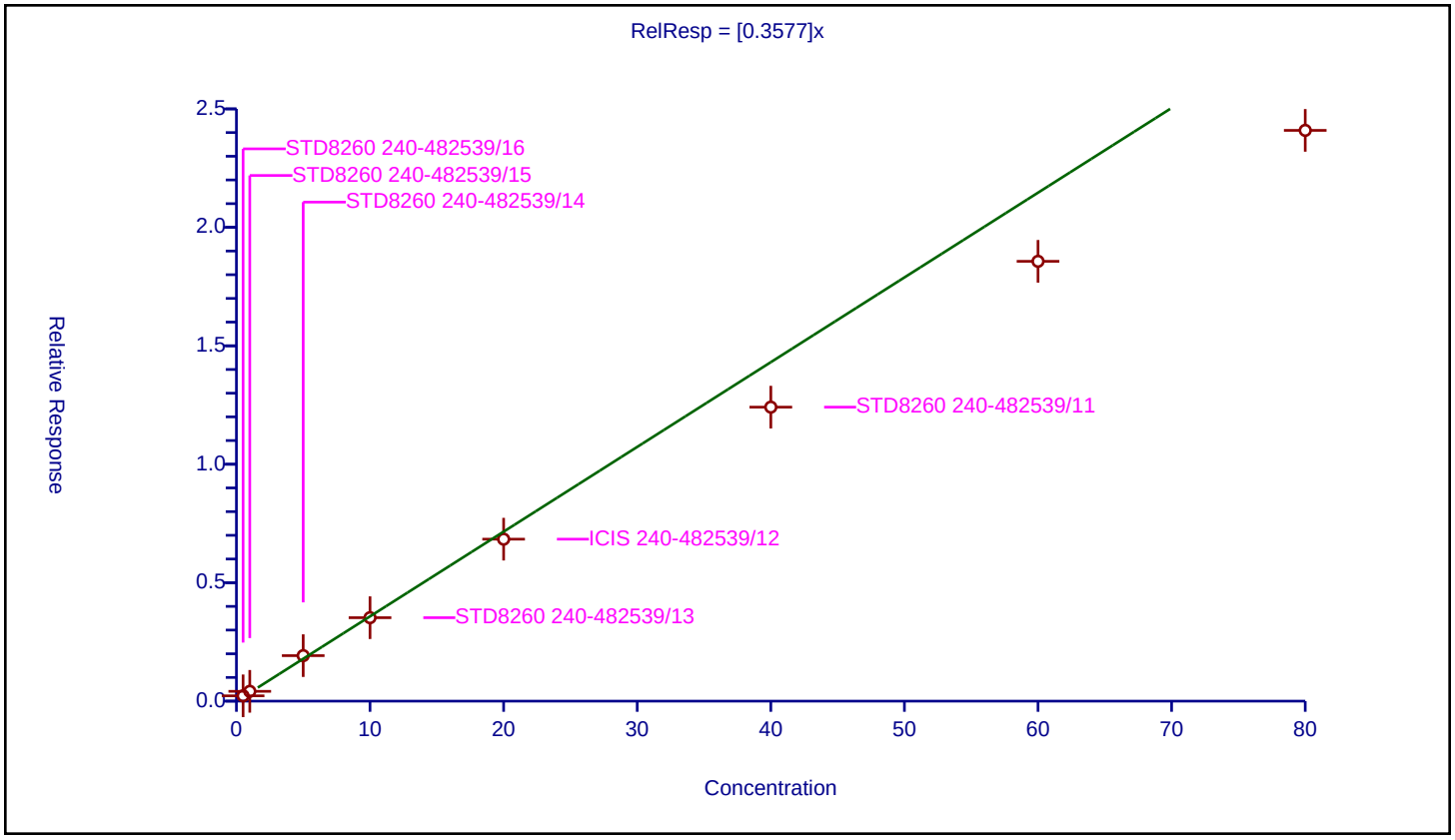
Curve Coefficients

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

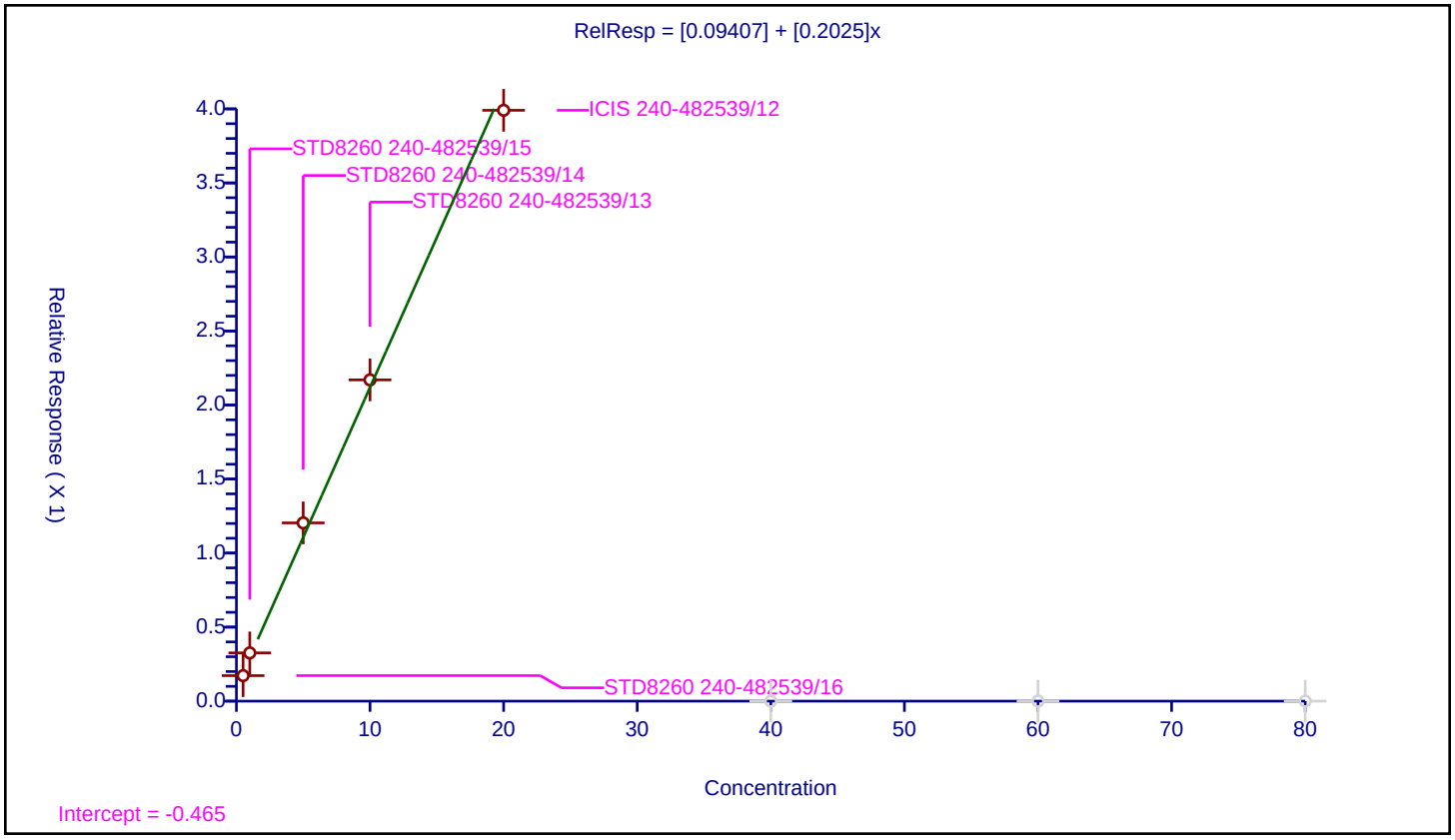
Curve Coefficients

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

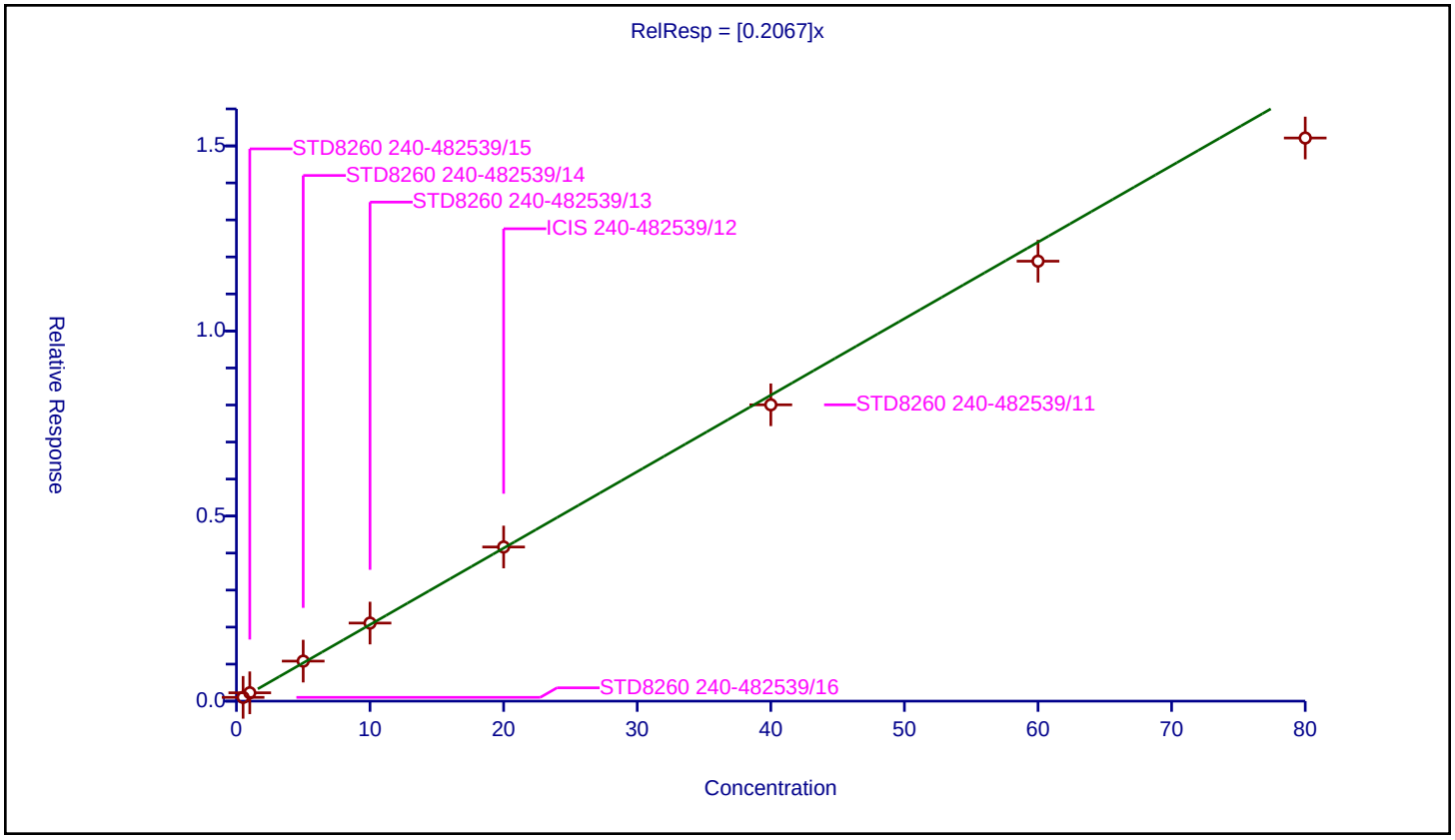
Curve Coefficients

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



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

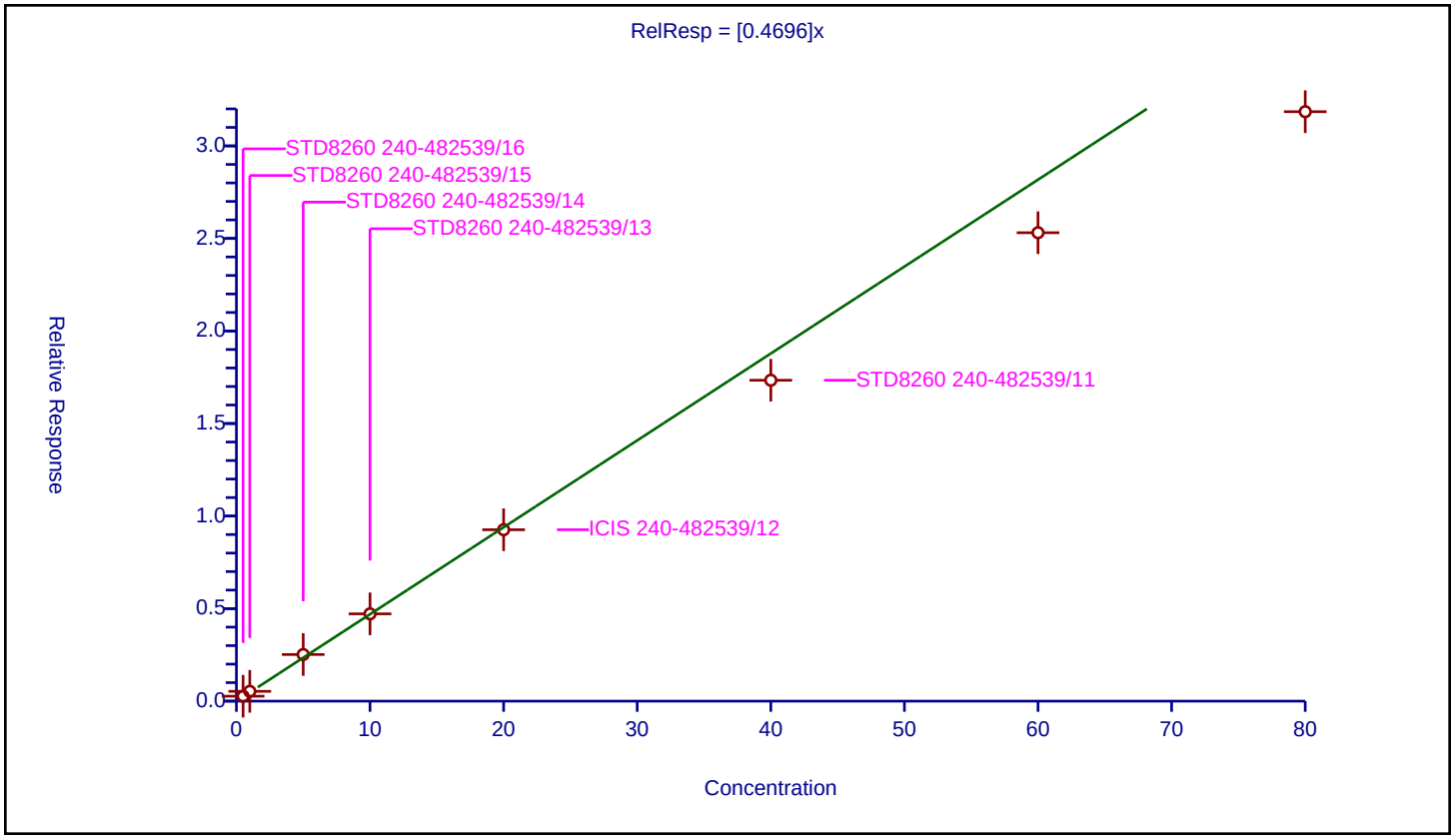
Curve Coefficients

Intercept:	0
Slope:	0.4696

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



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

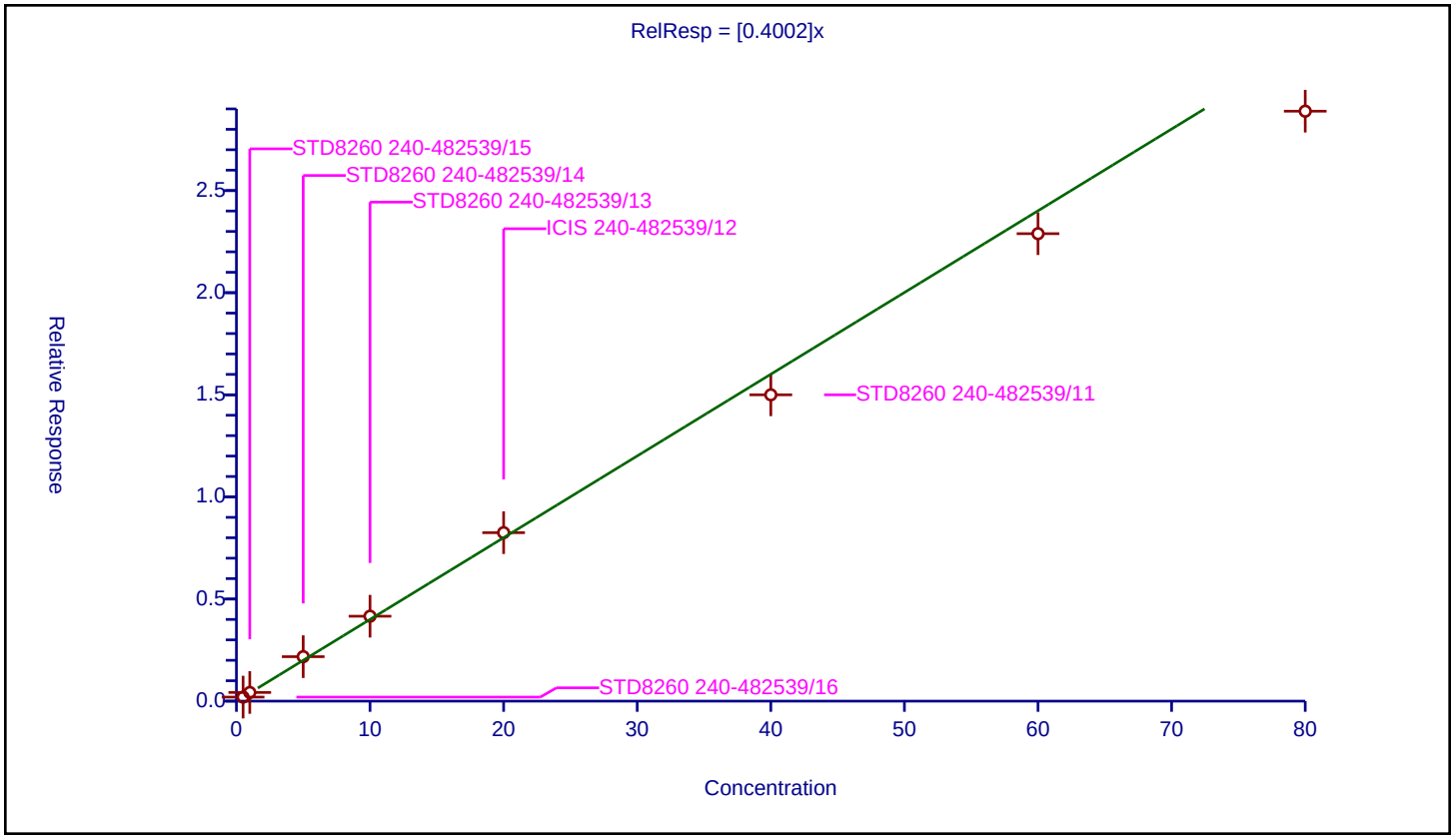
Curve Coefficients

Intercept:	0
Slope:	0.4002

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

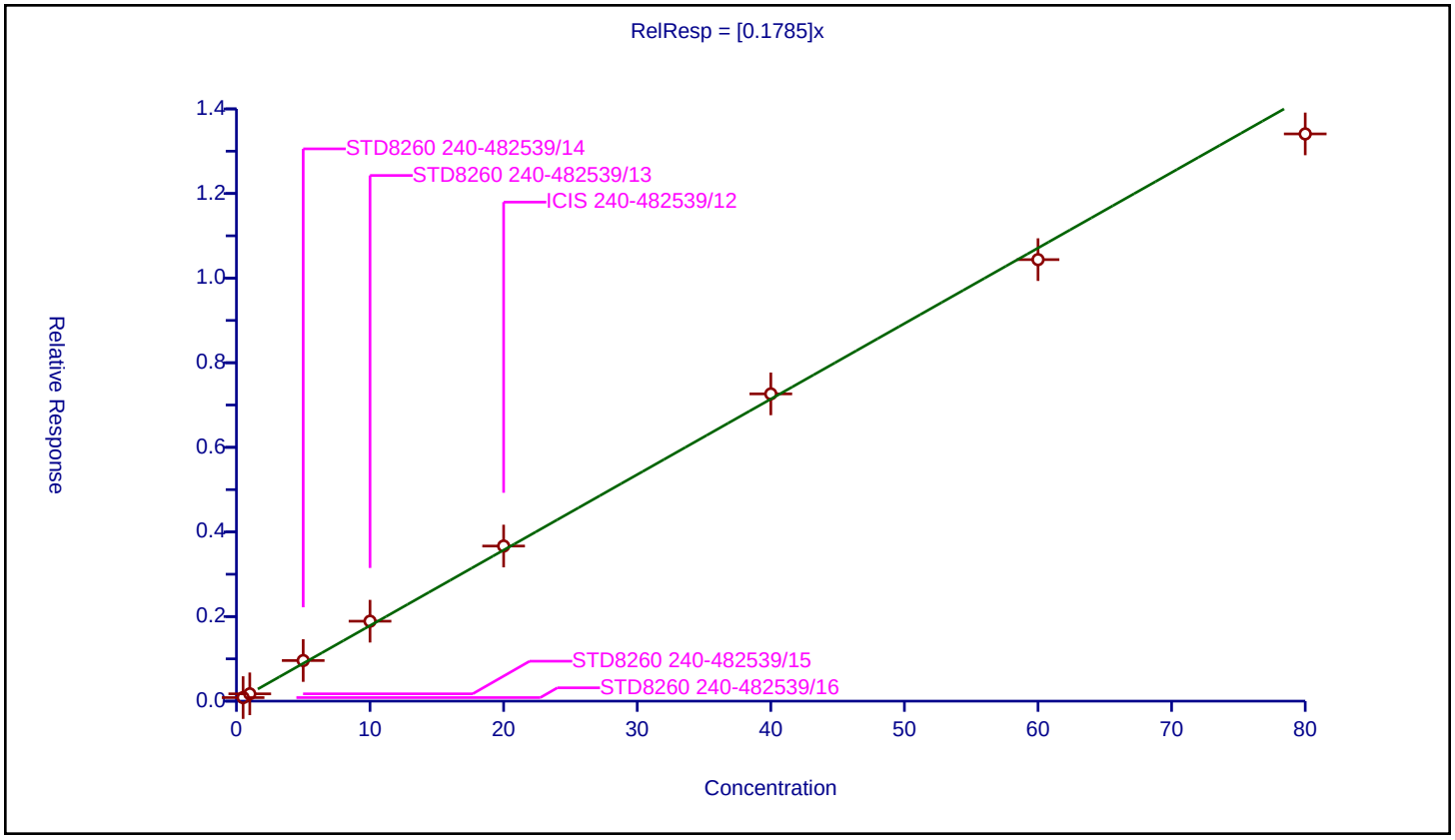
Curve Coefficients

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

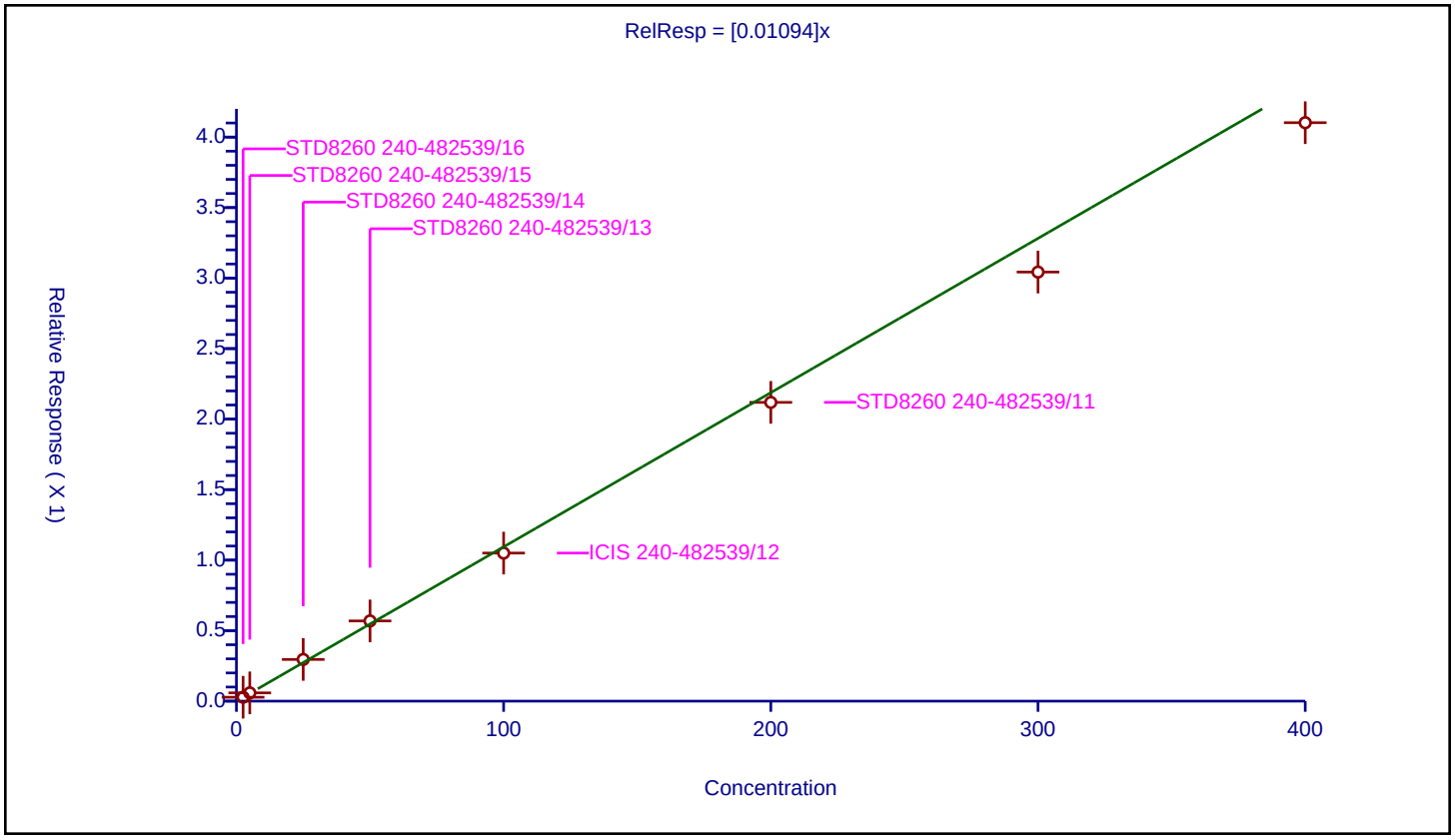
Curve Coefficients

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

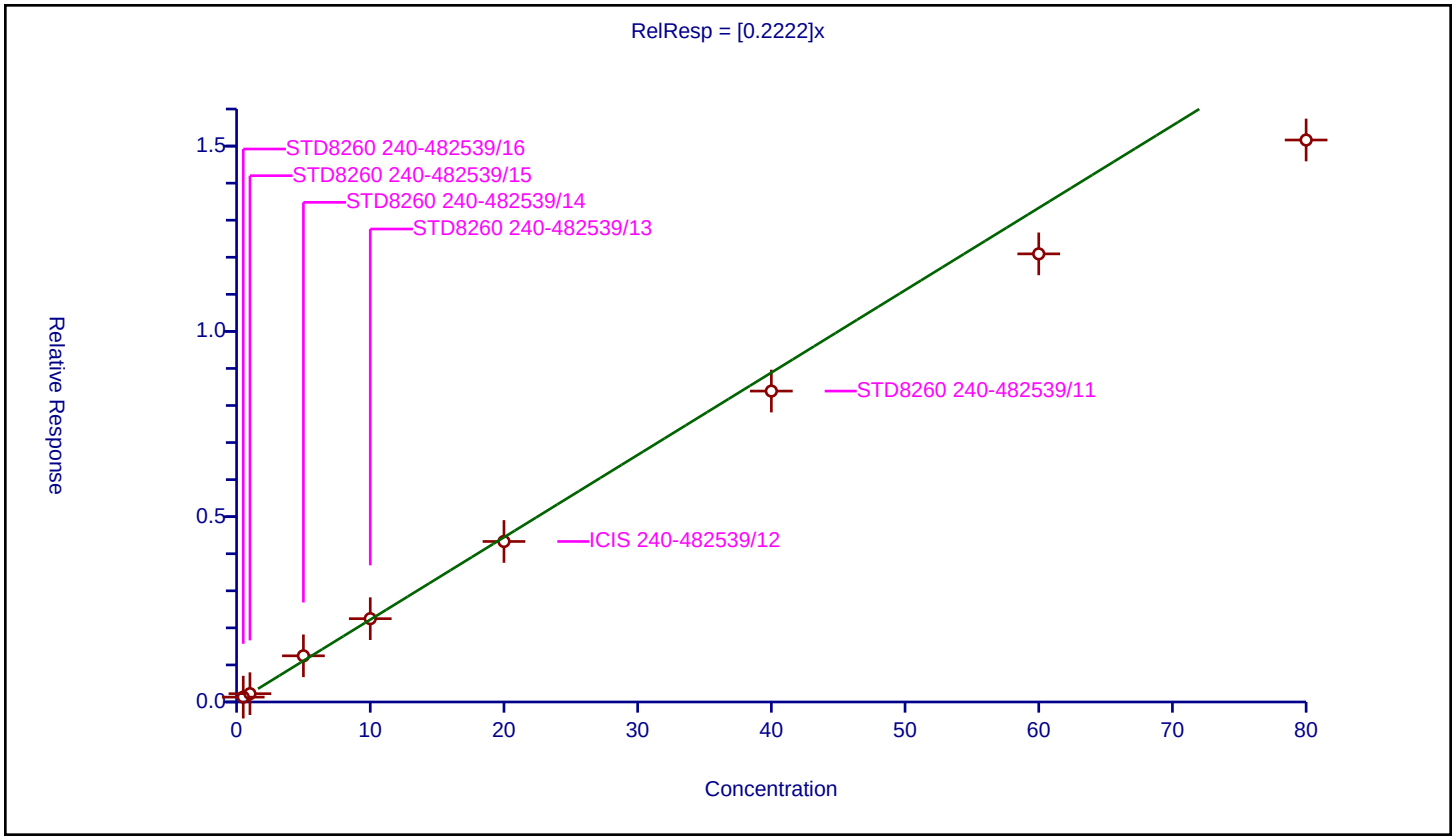
Curve Coefficients

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

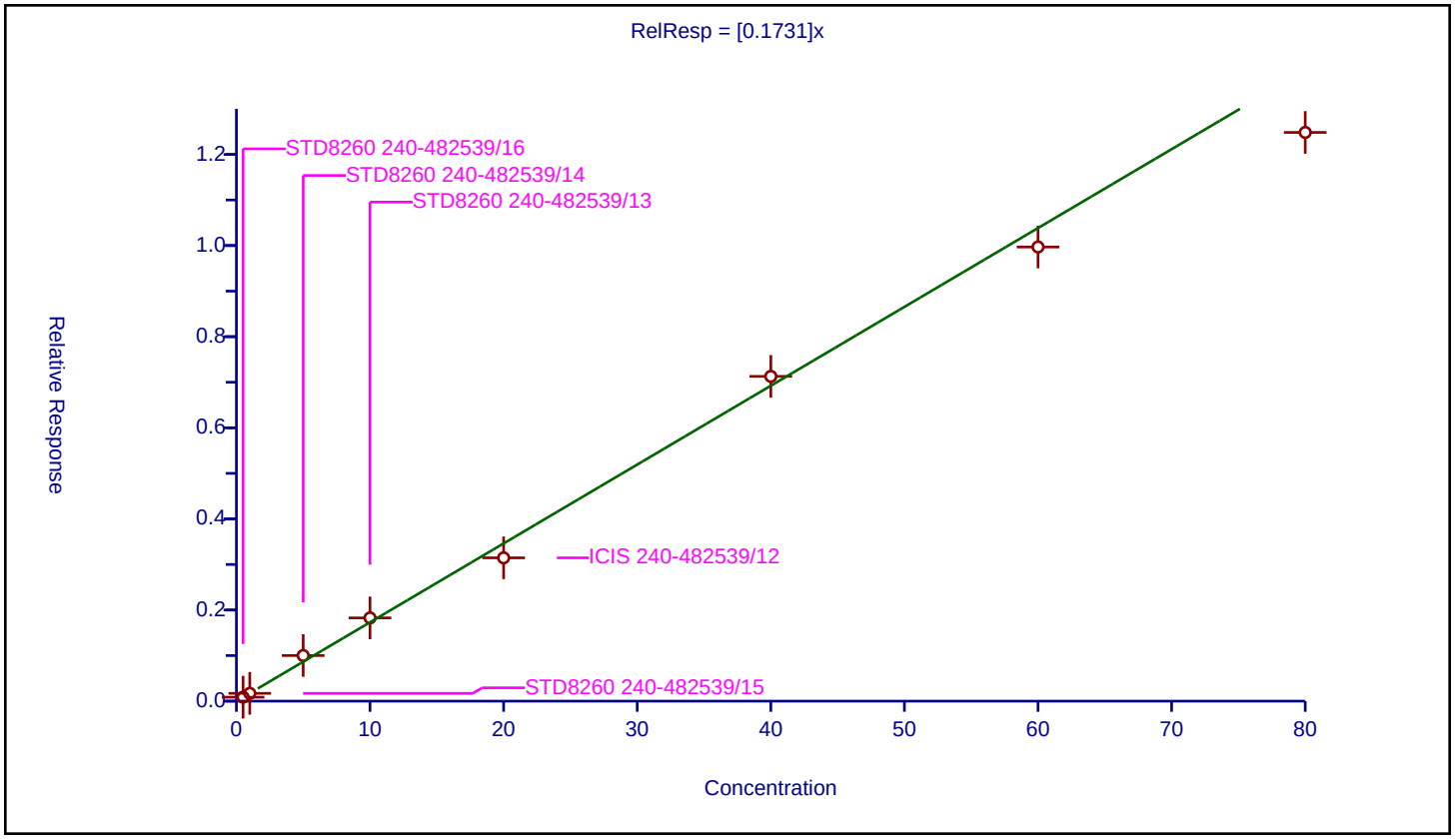
Curve Coefficients

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

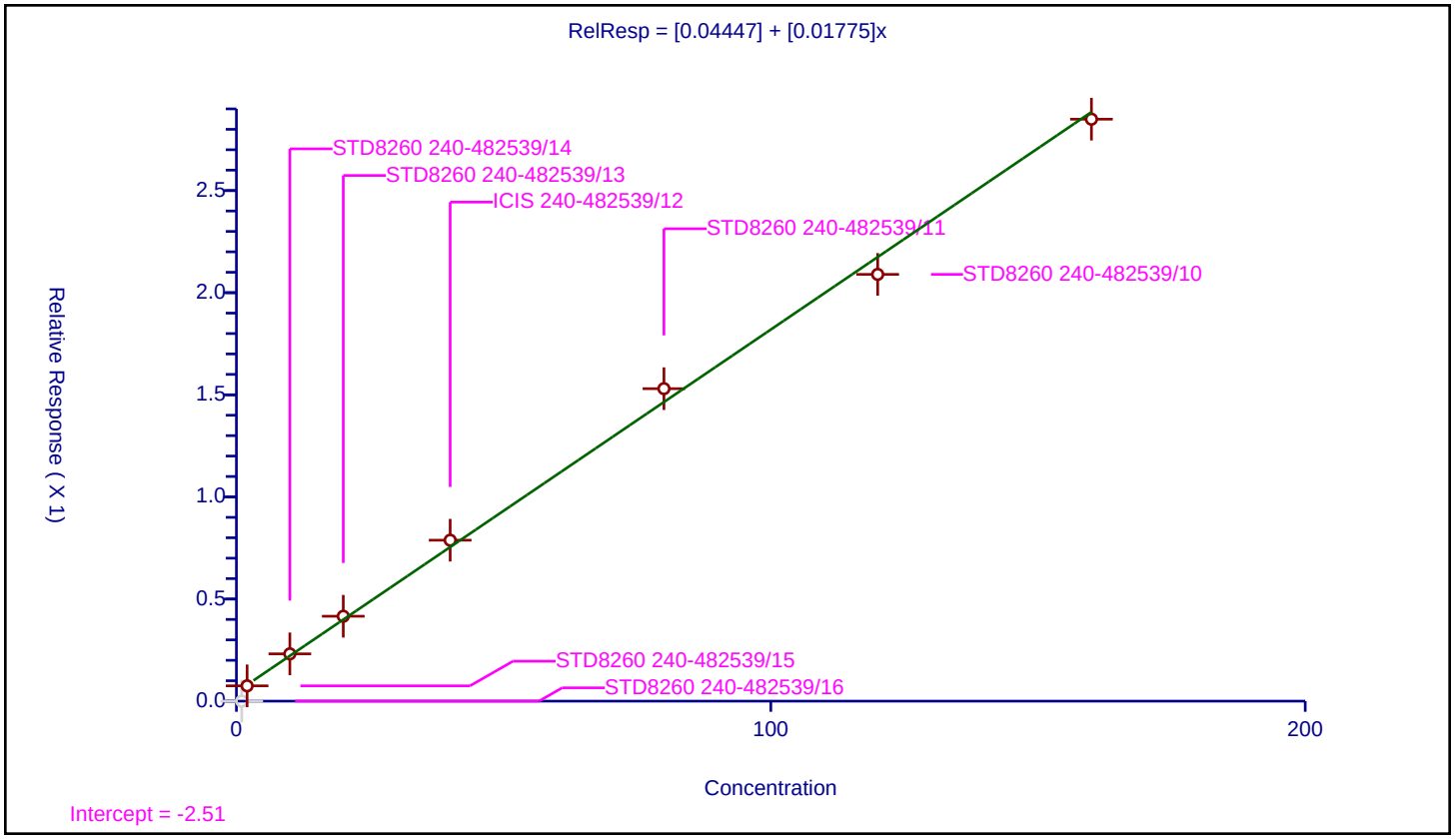
Curve Coefficients

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

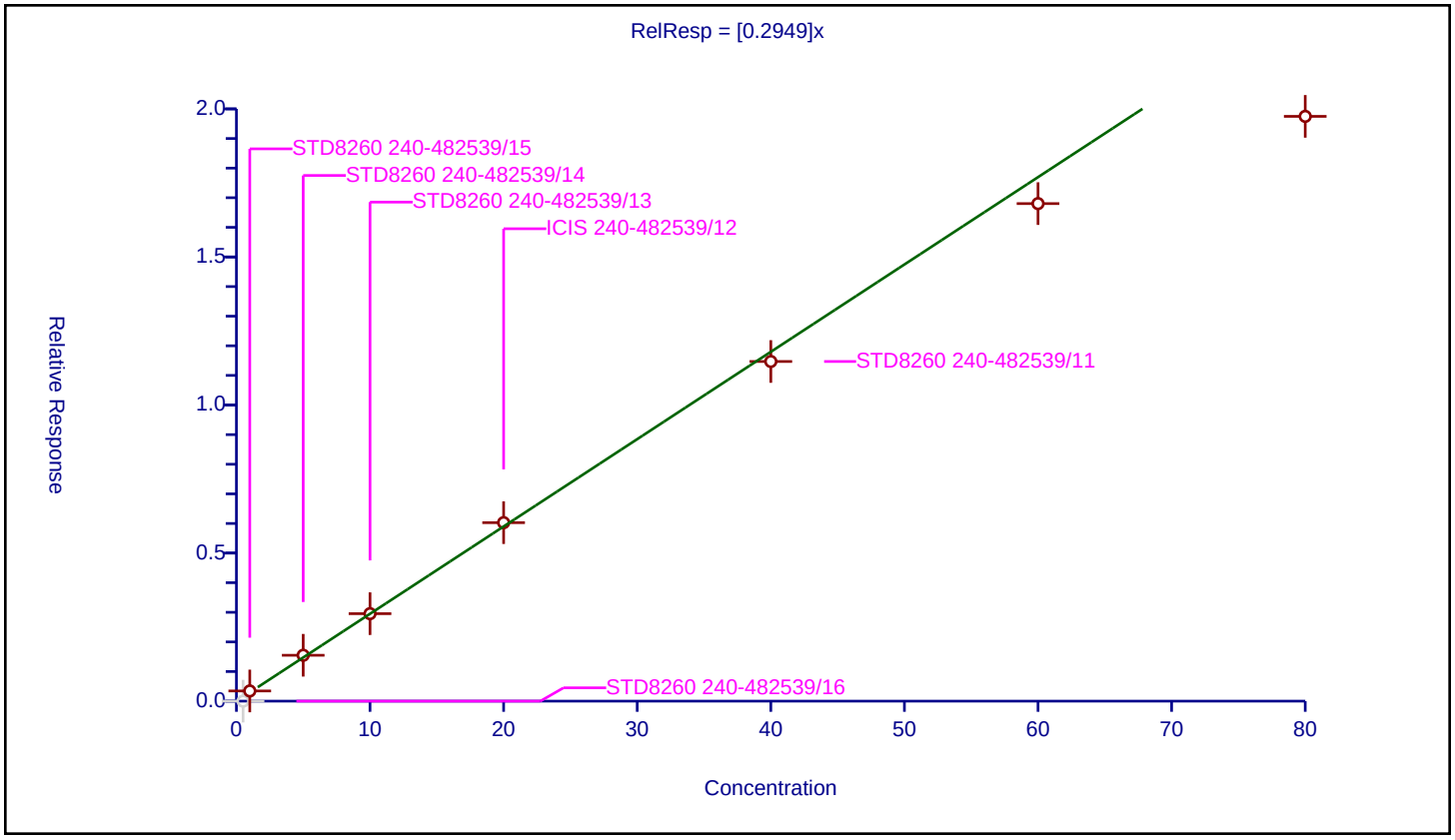
Curve Coefficients

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



Calibration / Carbon disulfide

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

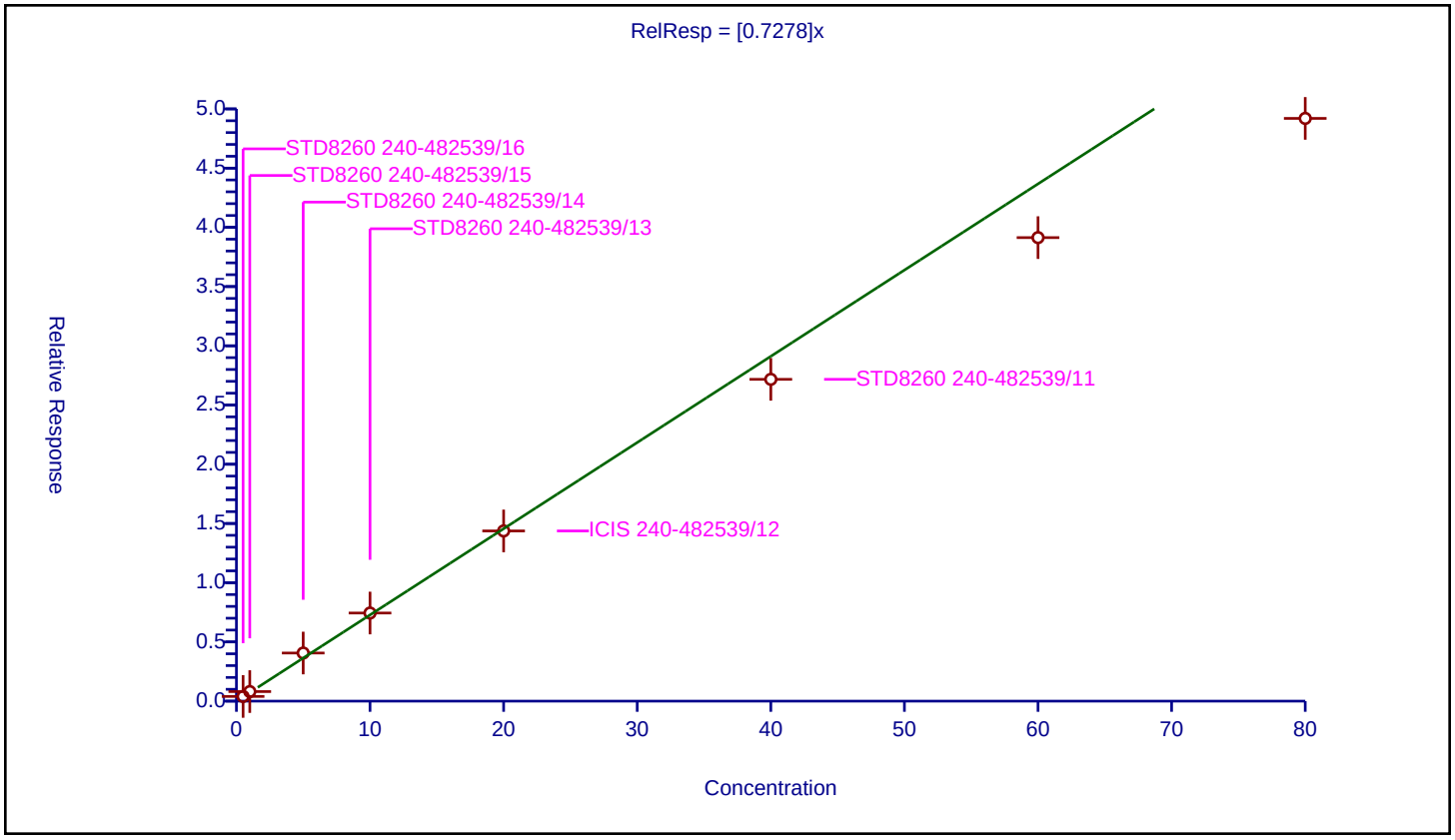
Curve Coefficients

Intercept:	0
Slope:	0.7278

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

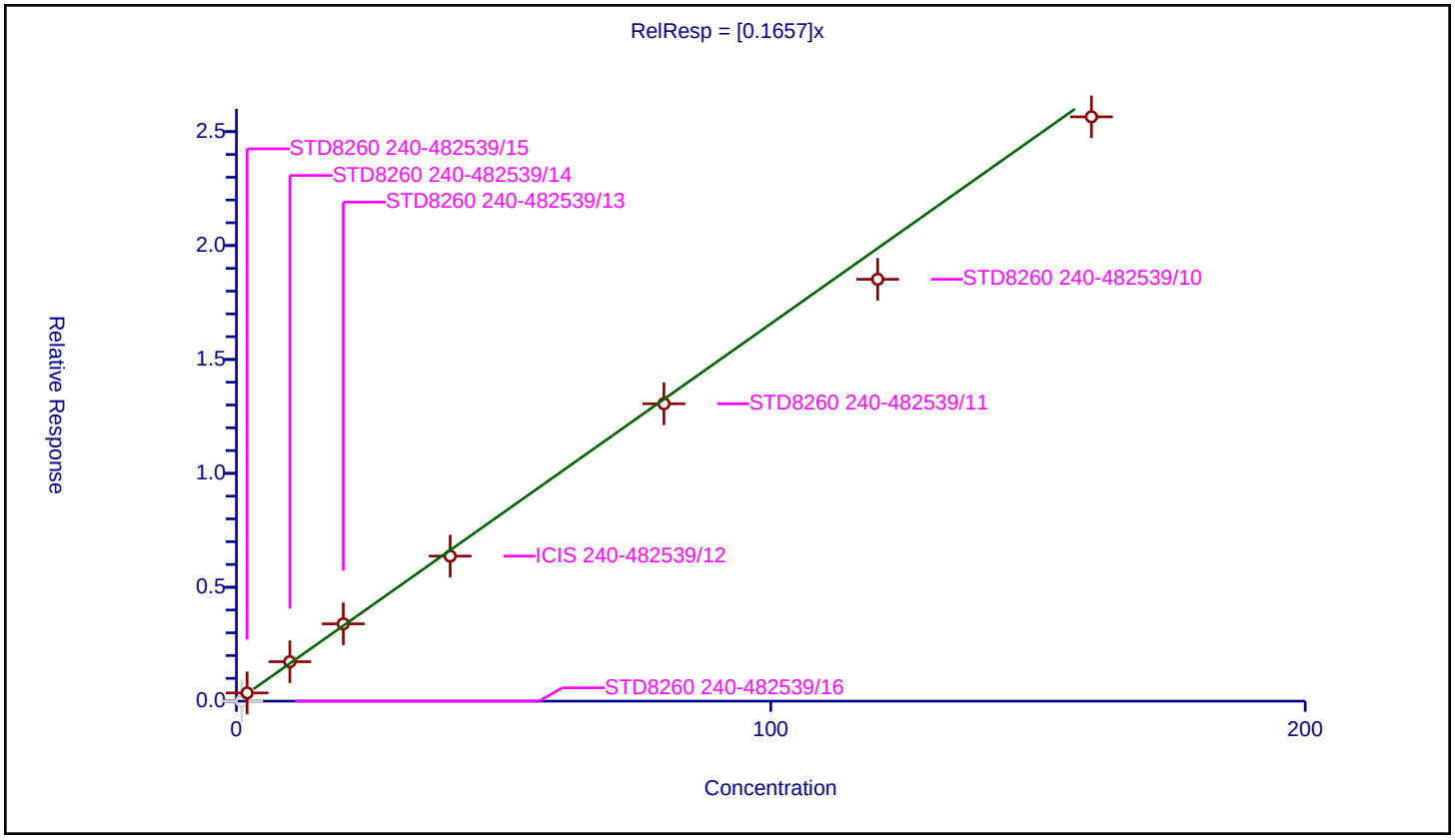
Curve Coefficients

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

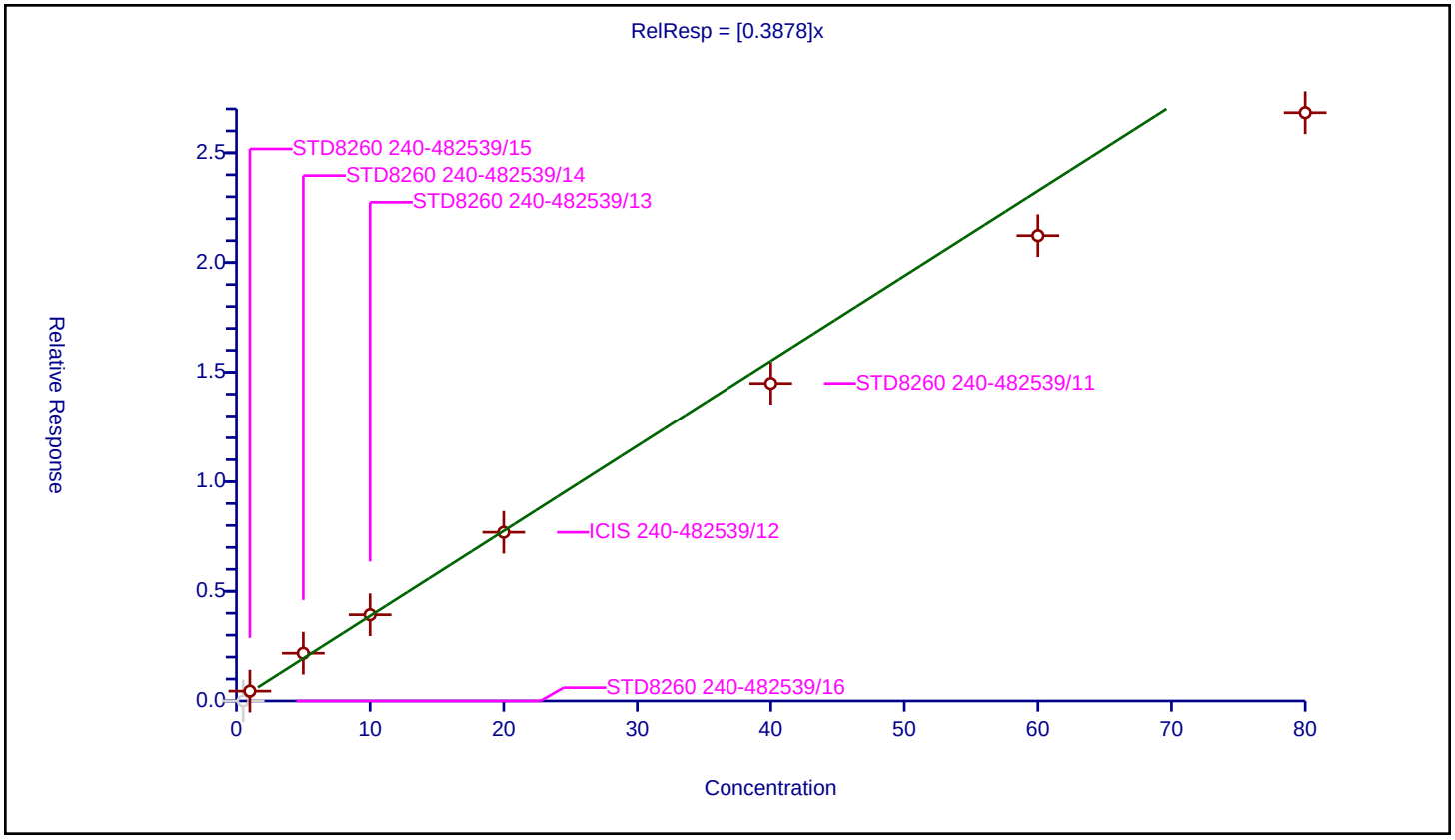
Curve Coefficients

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

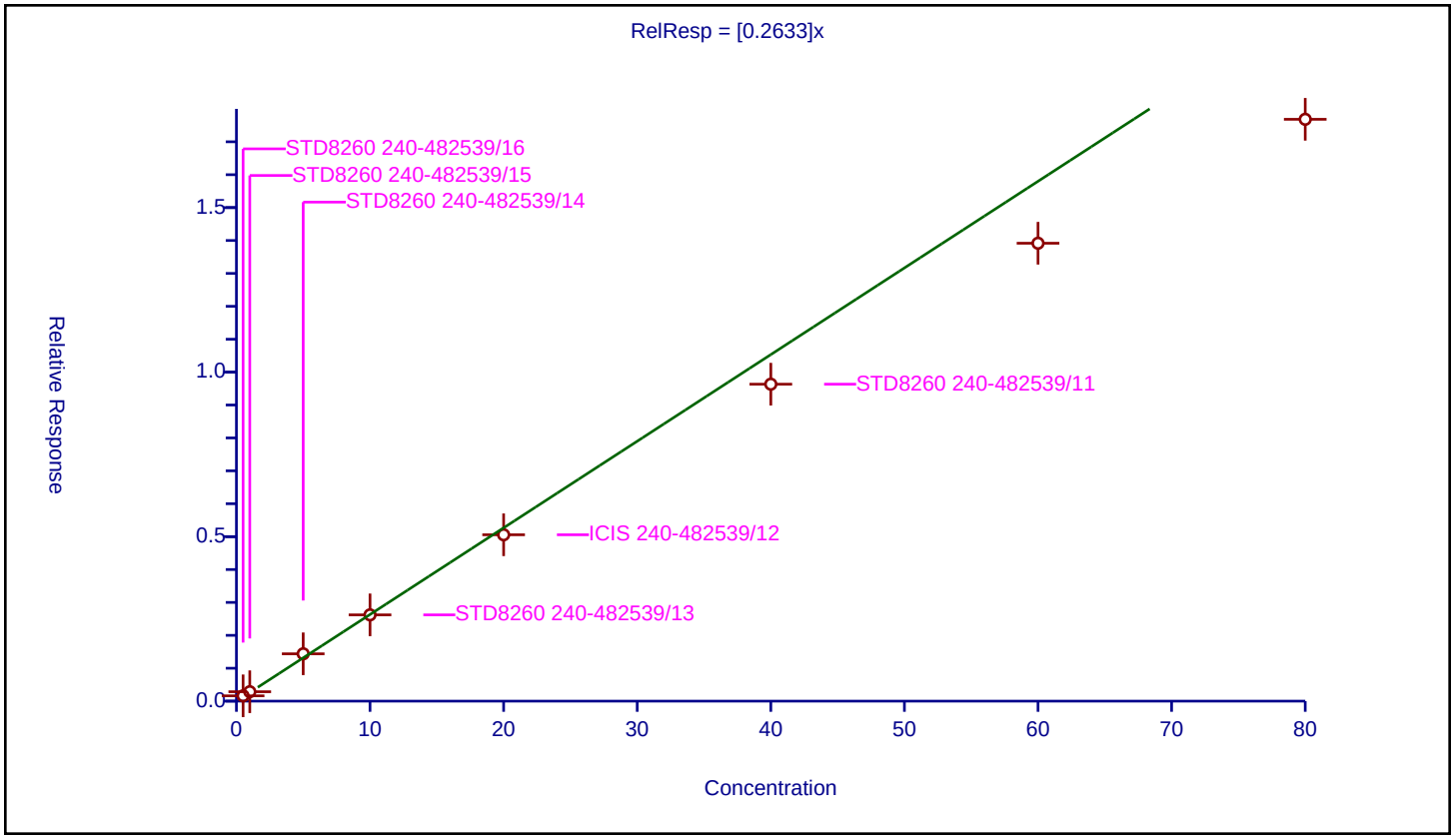
Curve Coefficients

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

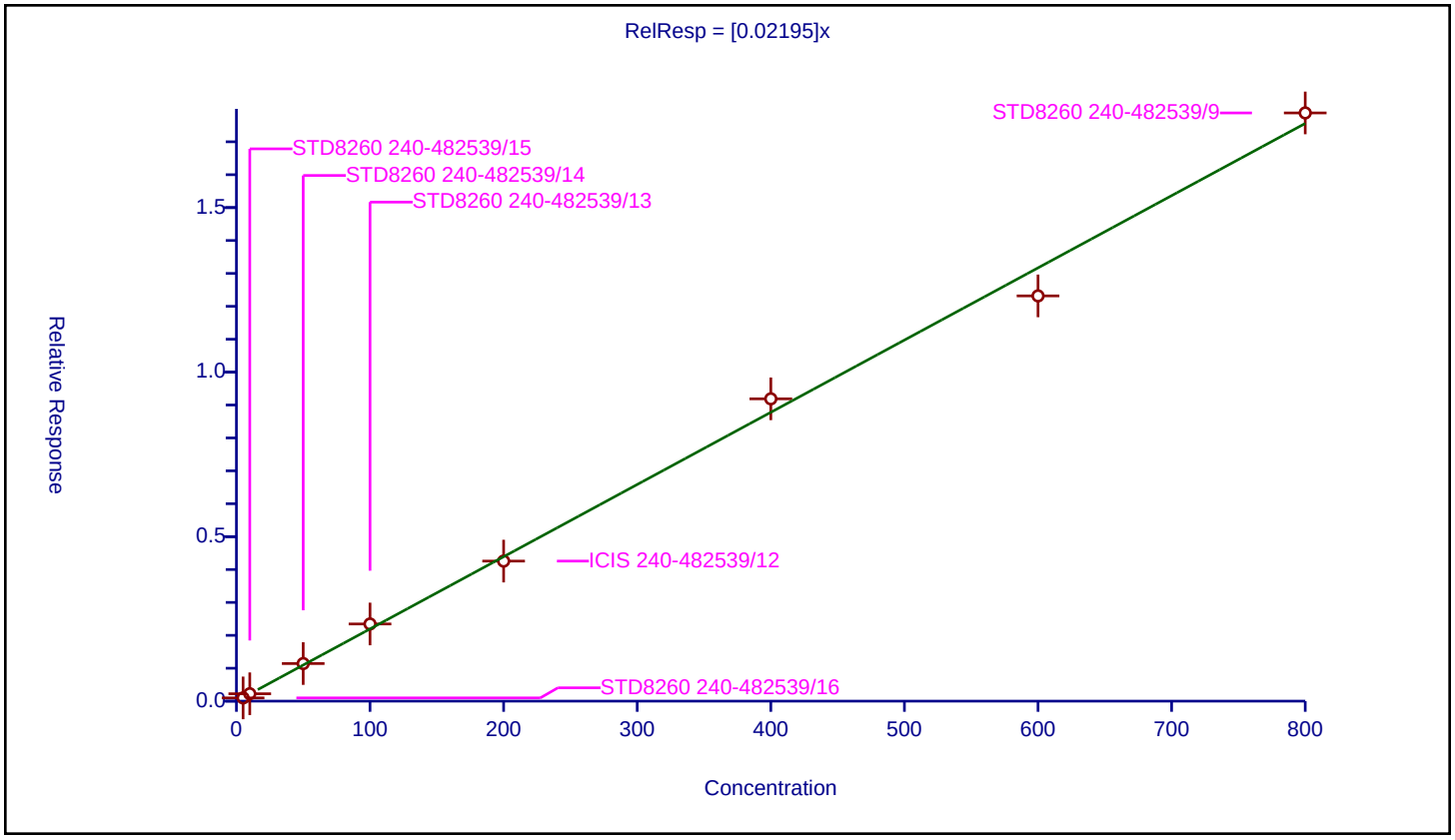
Curve Coefficients

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

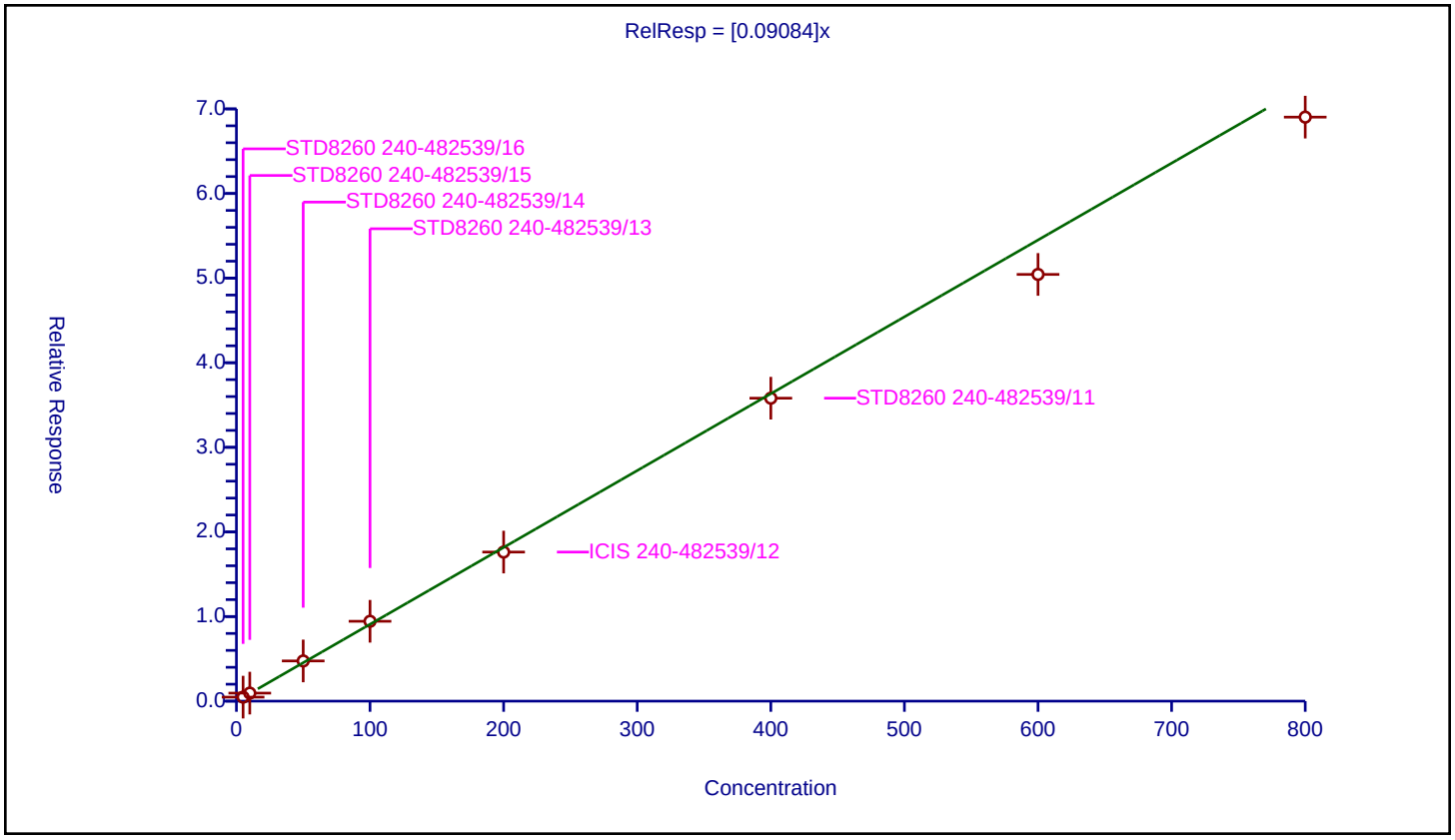
Curve Coefficients

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

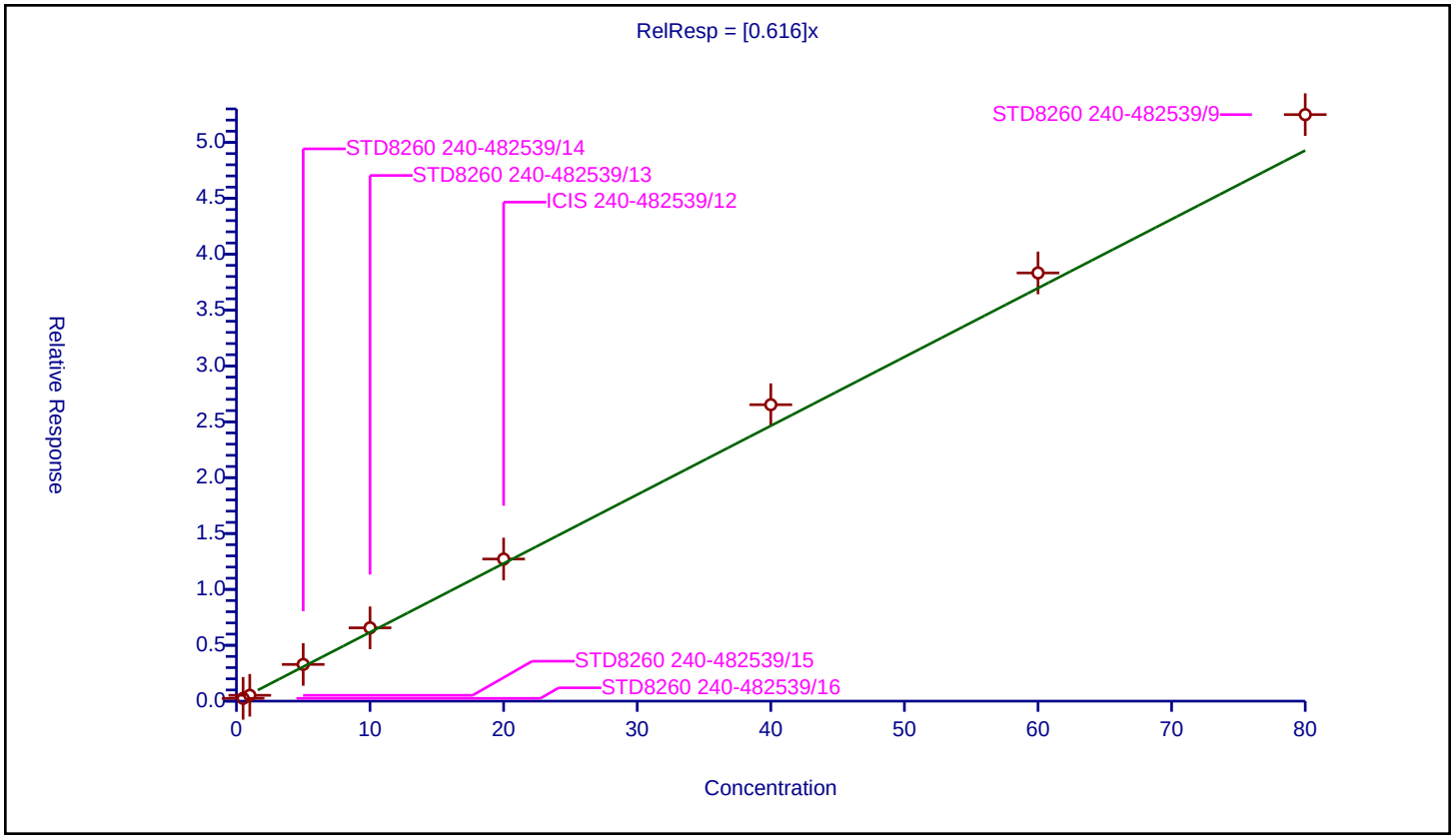
Curve Coefficients

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

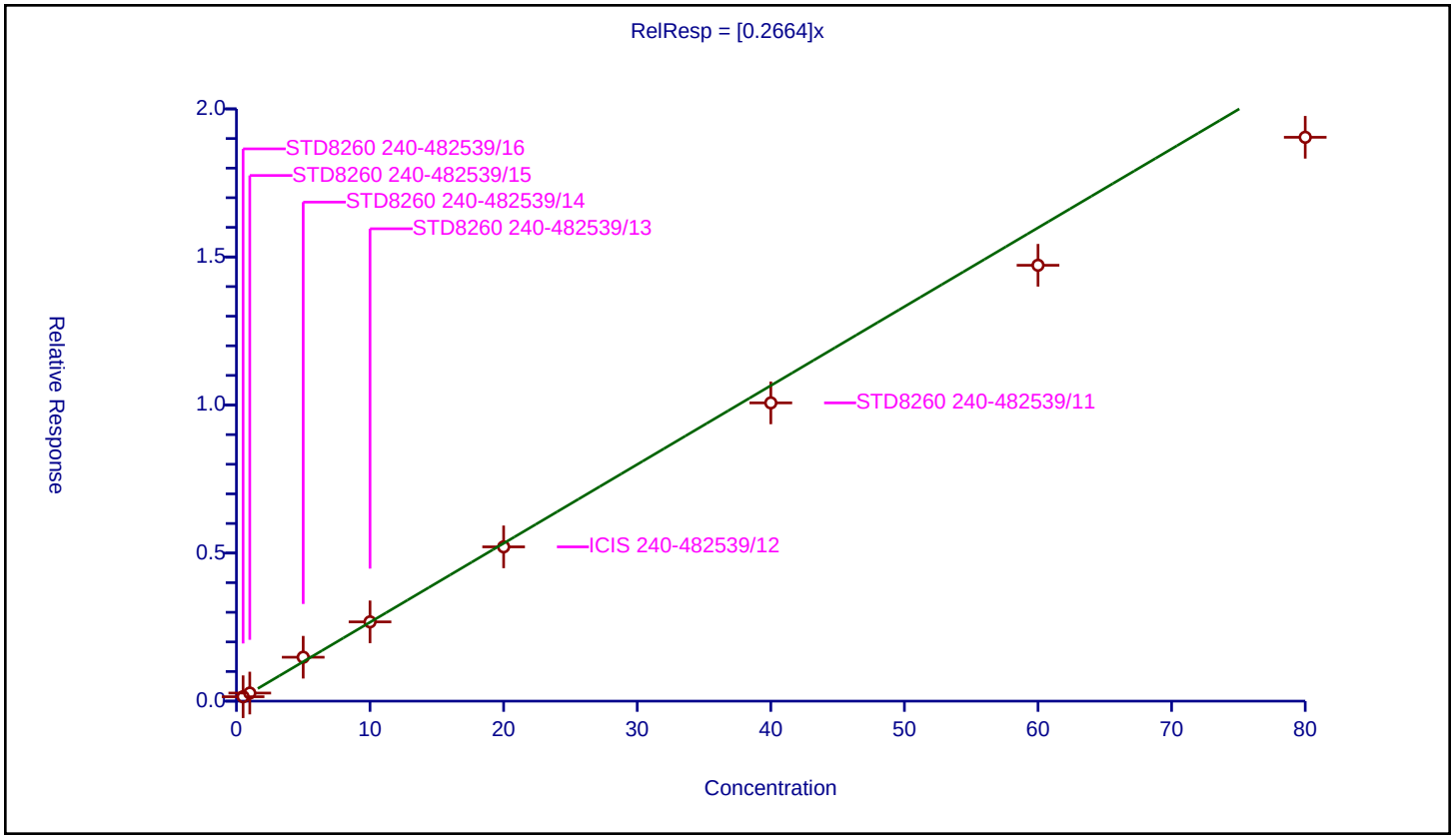
Curve Coefficients

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

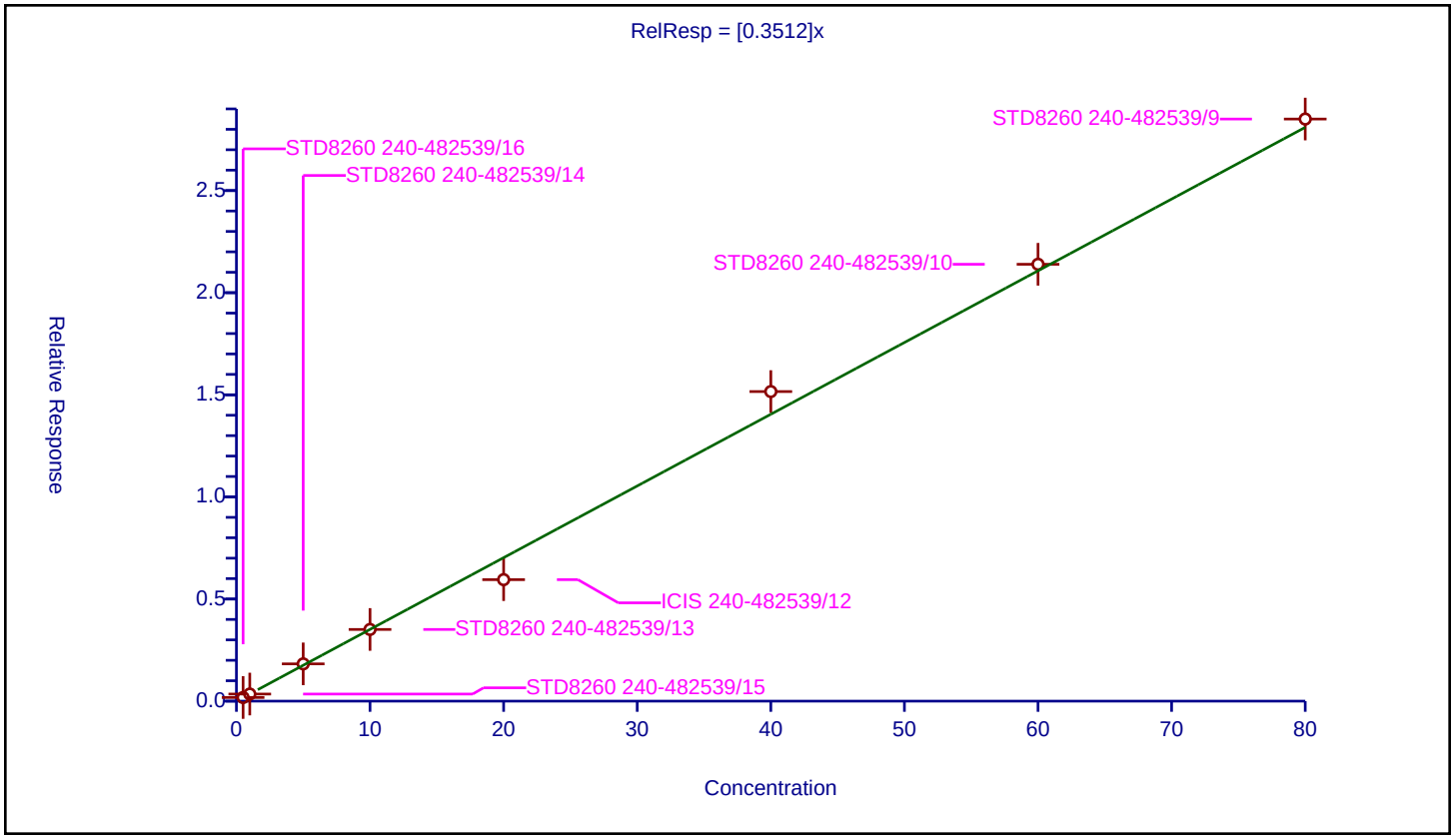
Curve Coefficients

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

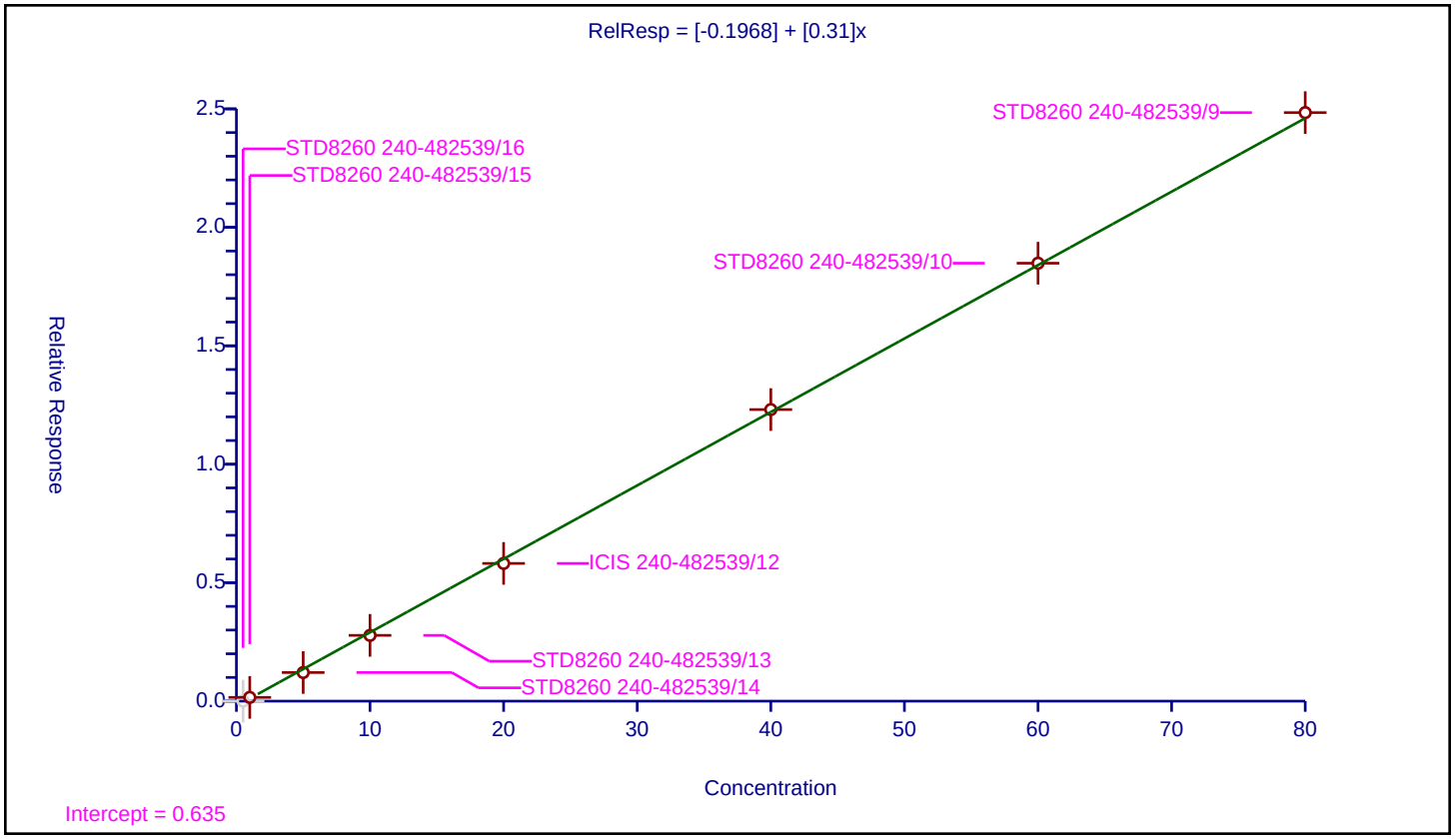
Curve Coefficients

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

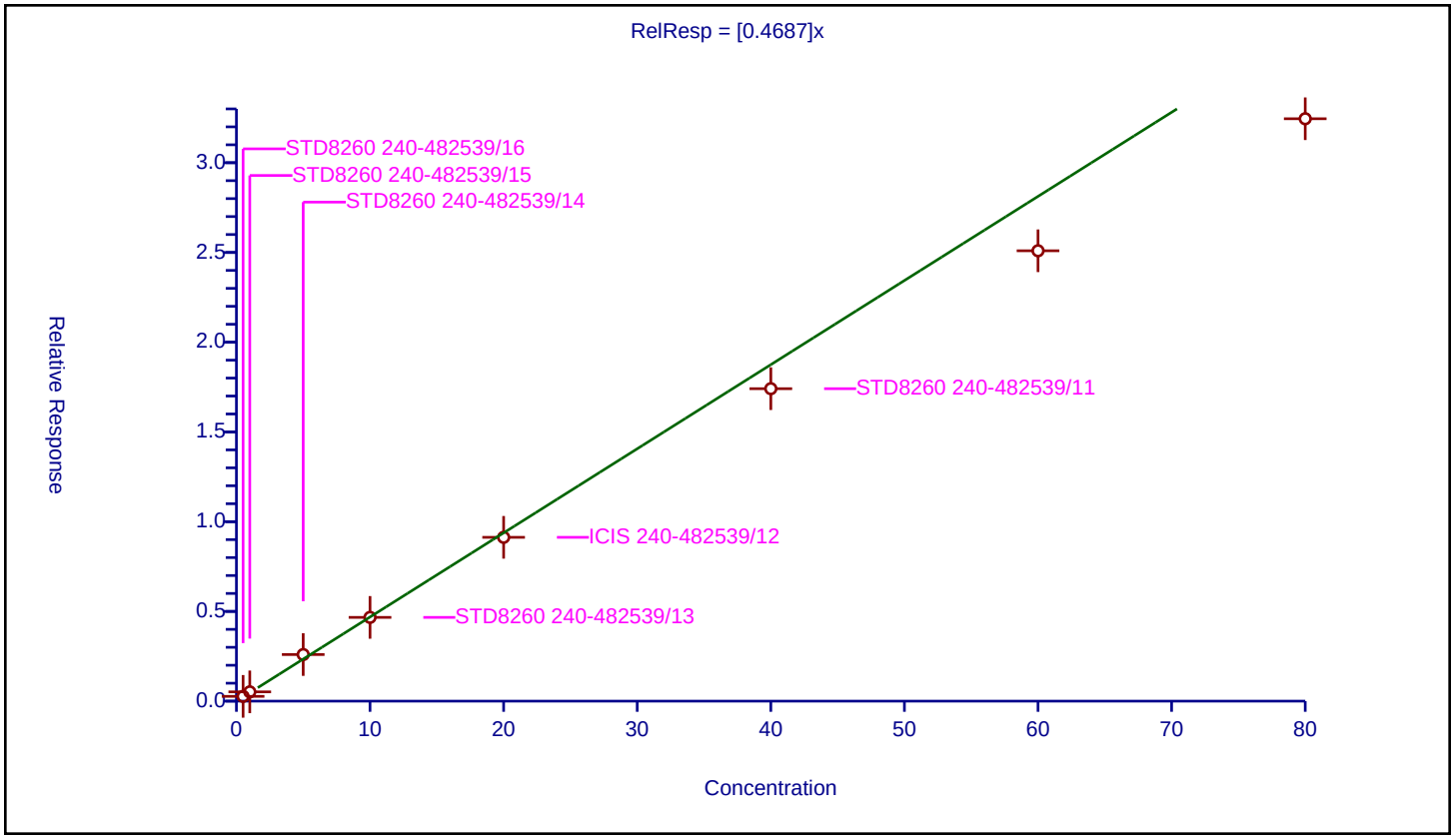
Curve Coefficients

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

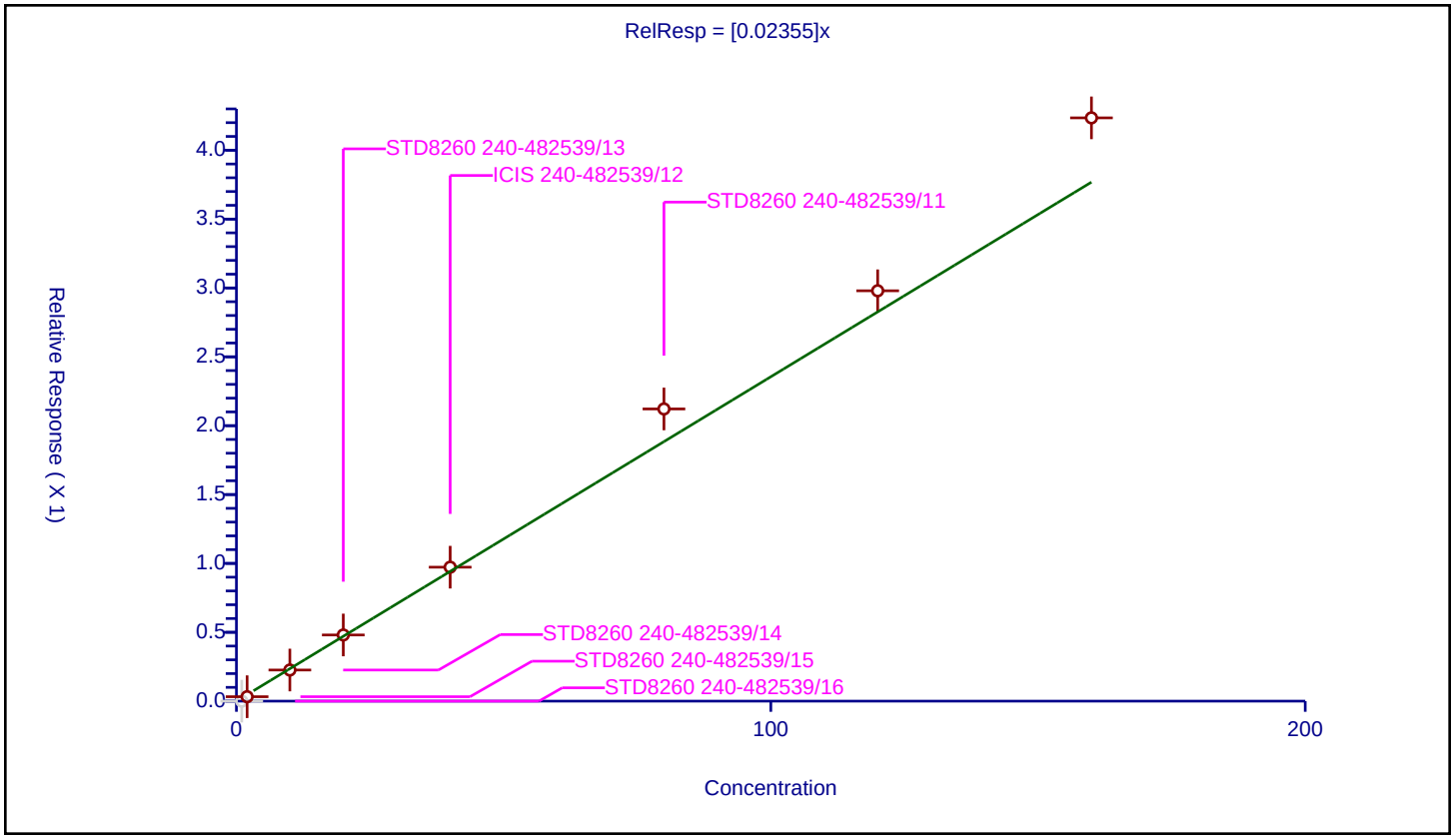
Curve Coefficients

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

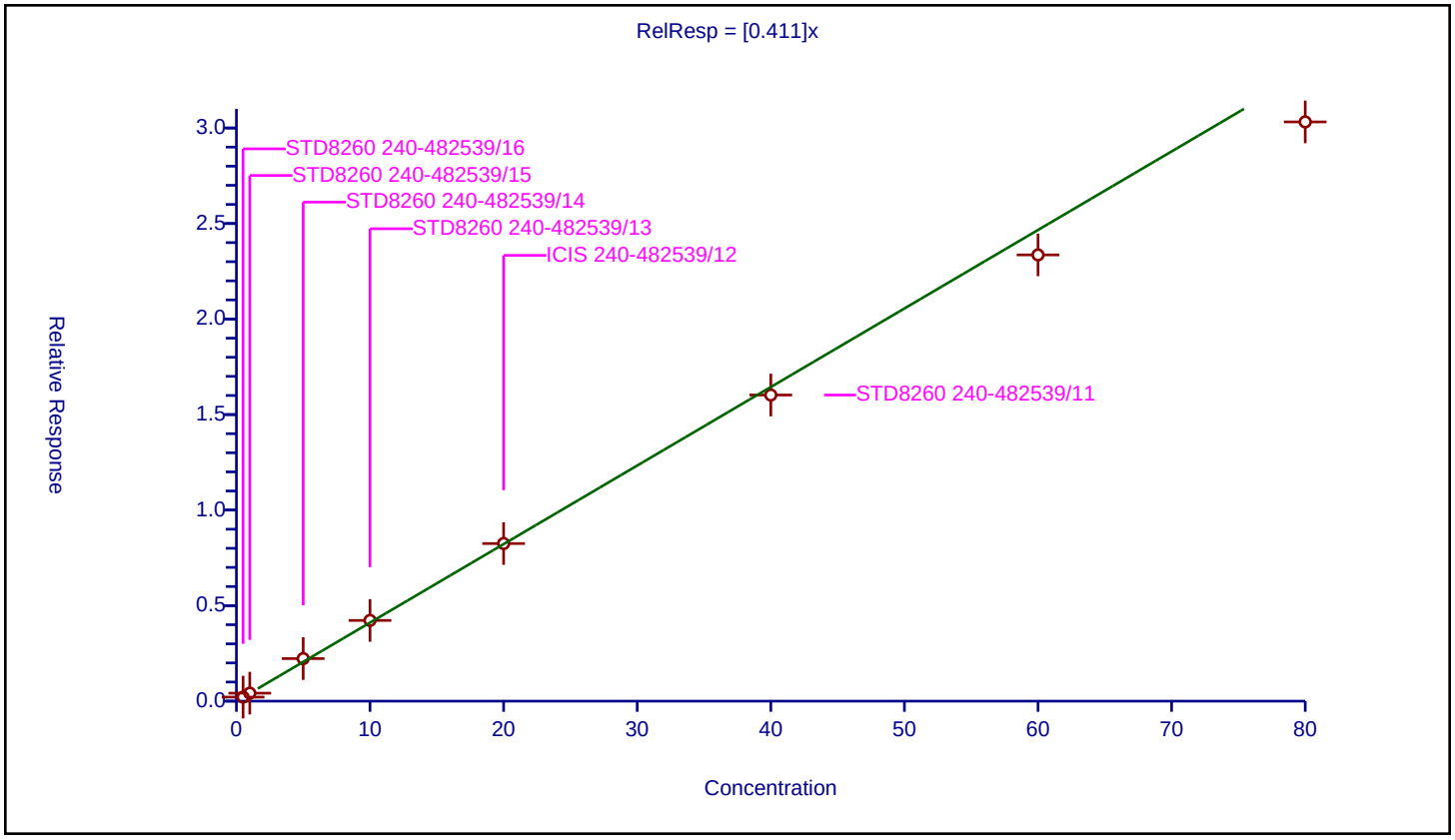
Curve Coefficients

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

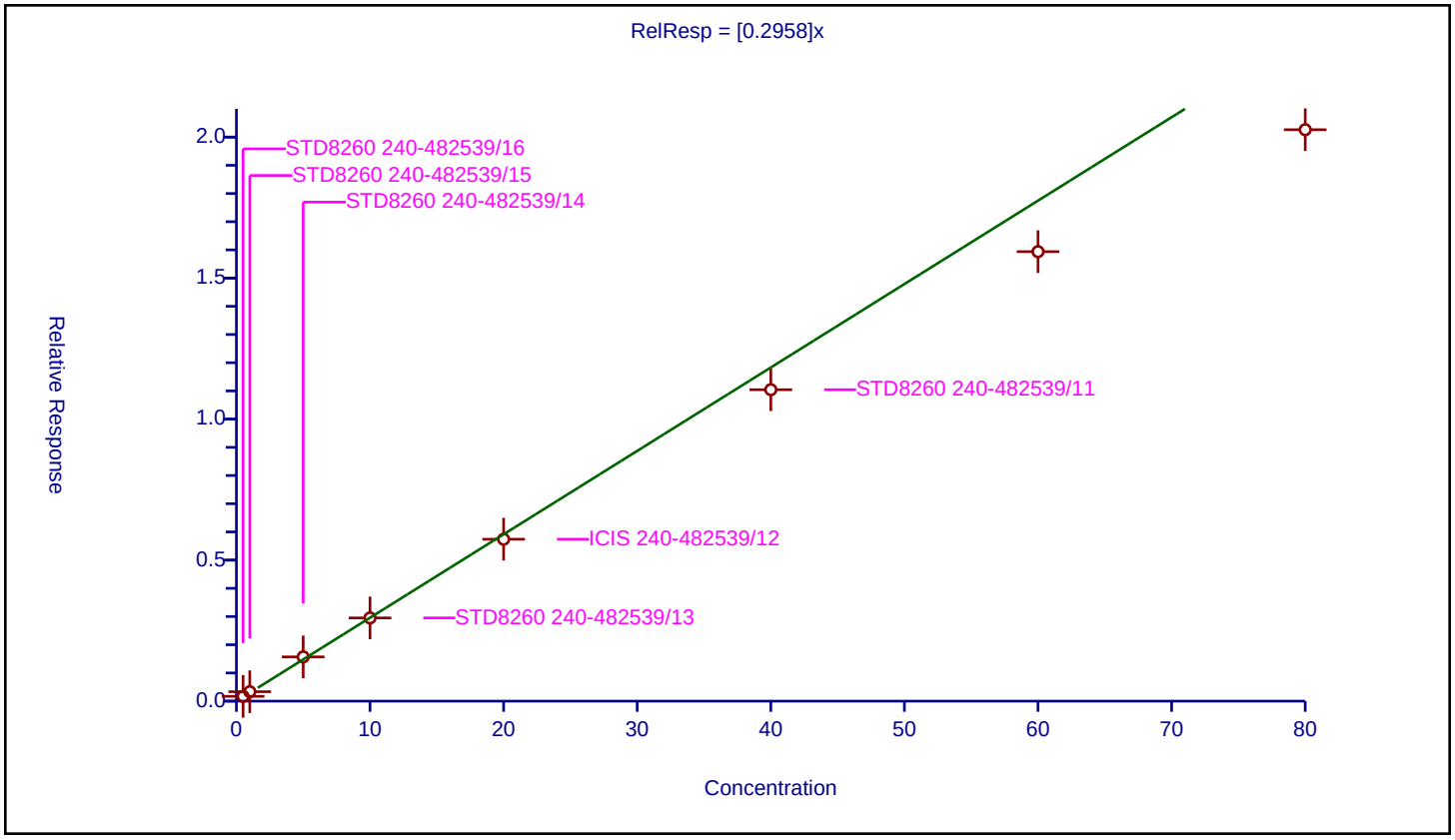
Curve Coefficients

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

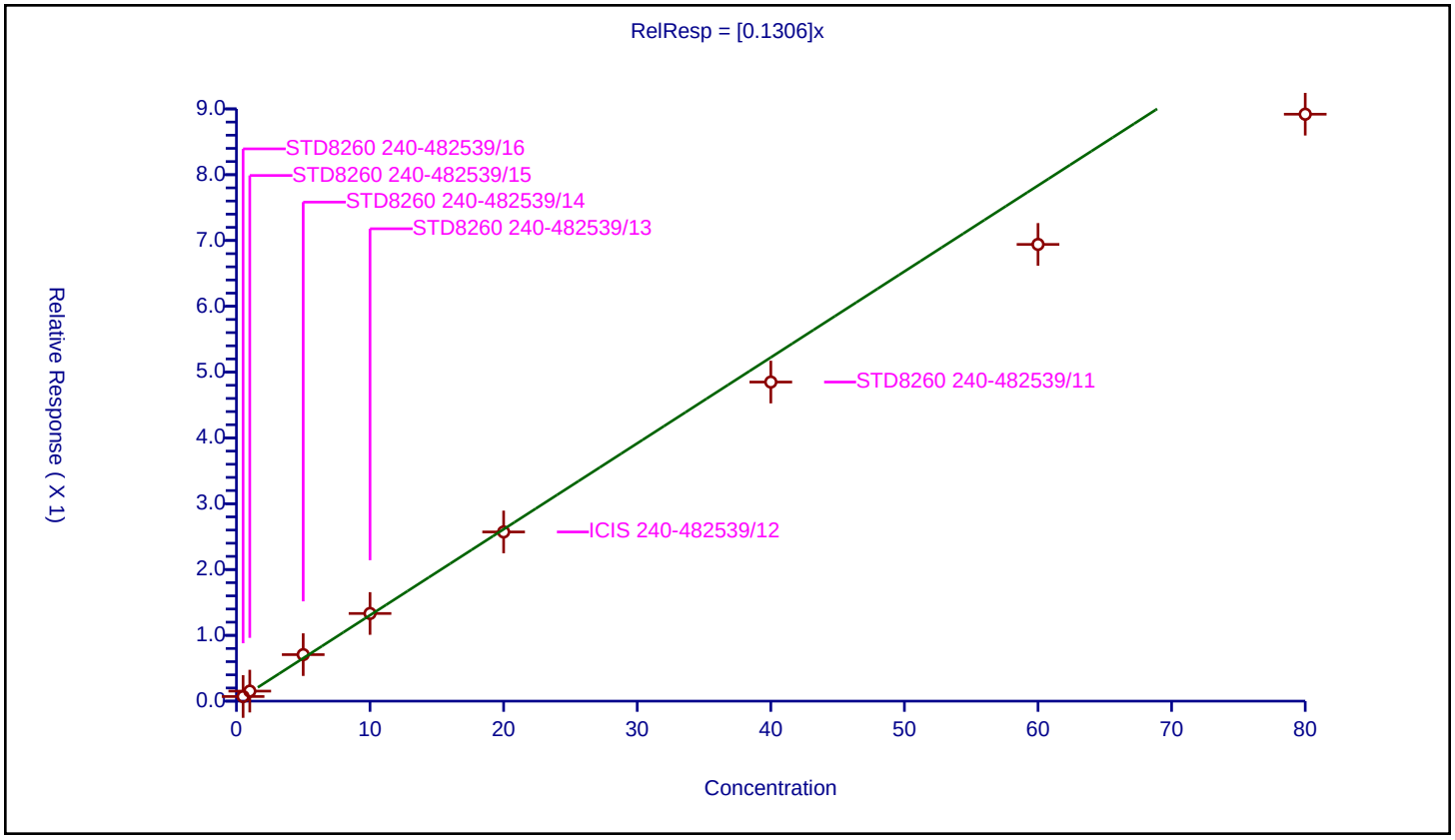
Curve Coefficients

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

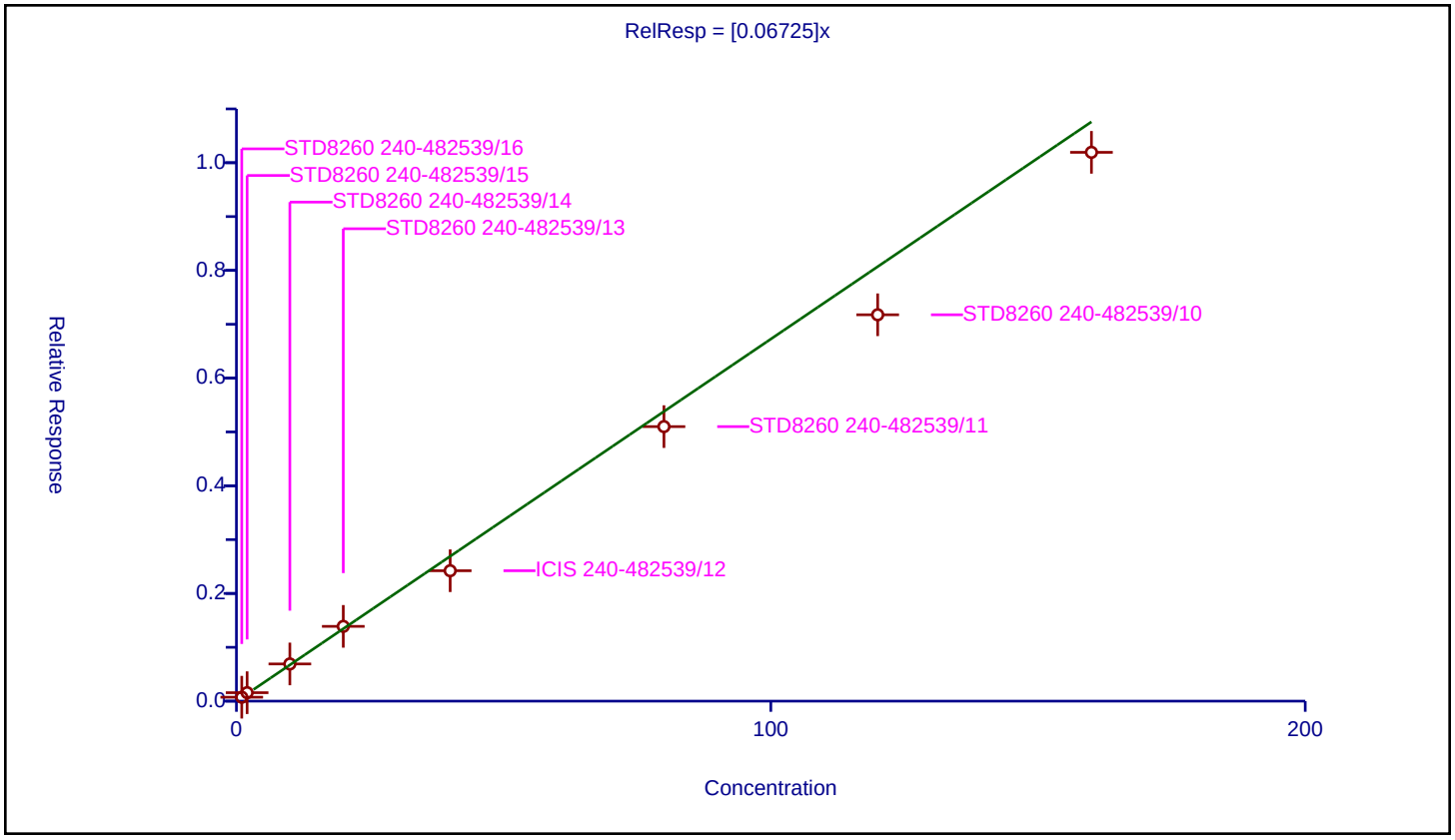
Curve Coefficients

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

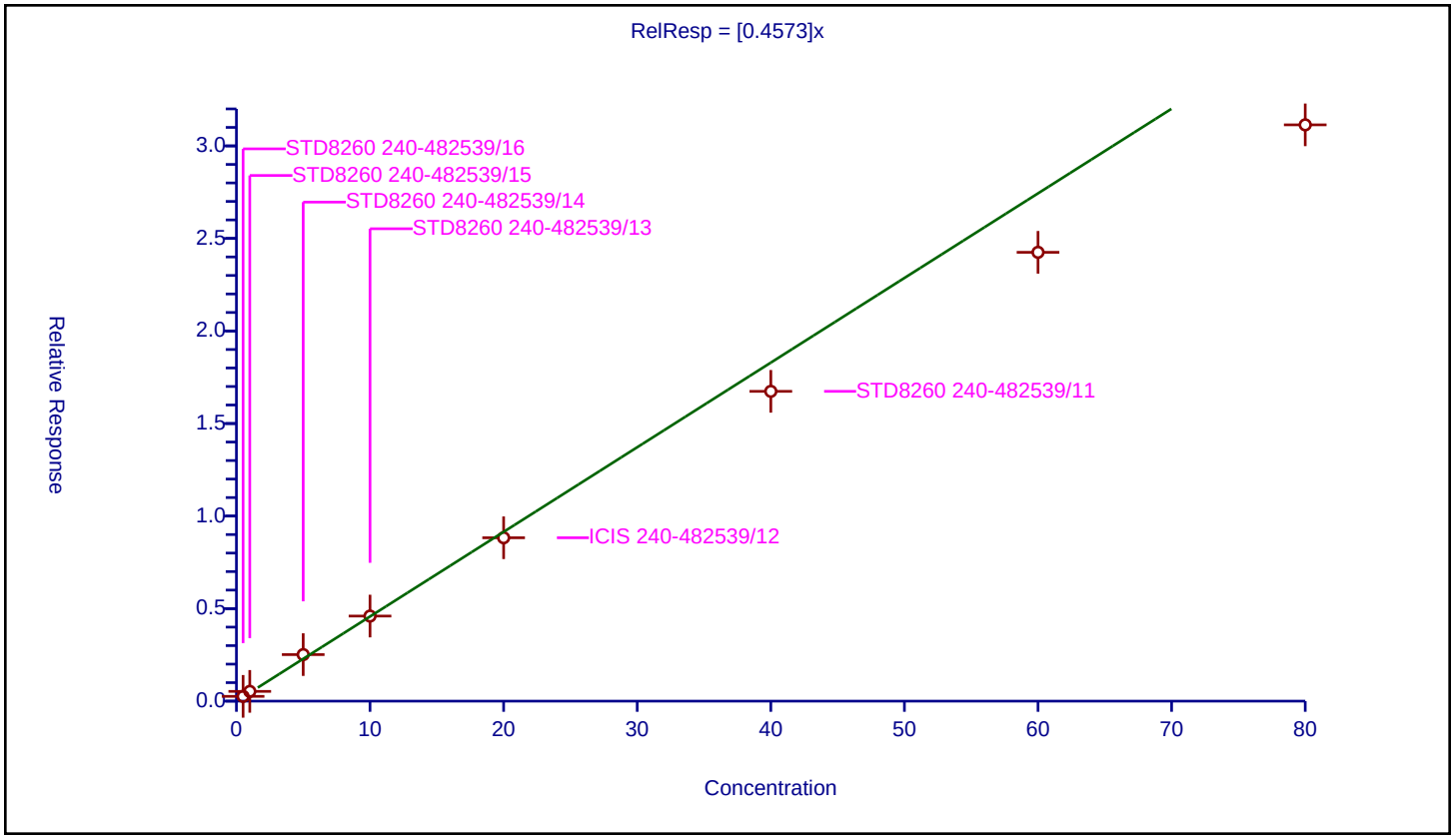
Curve Coefficients

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



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

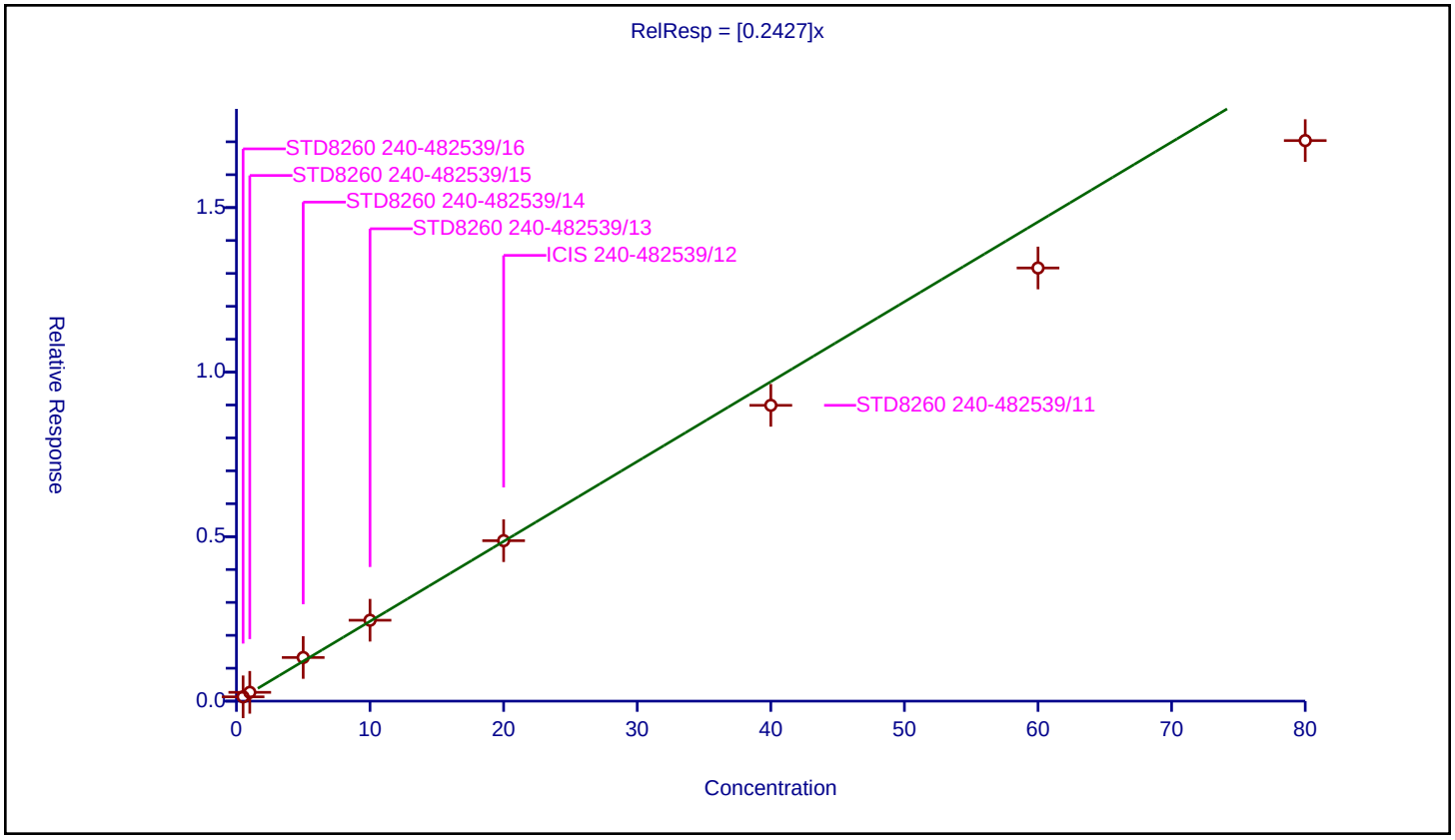
Curve Coefficients

Intercept:	0
Slope:	0.2427

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

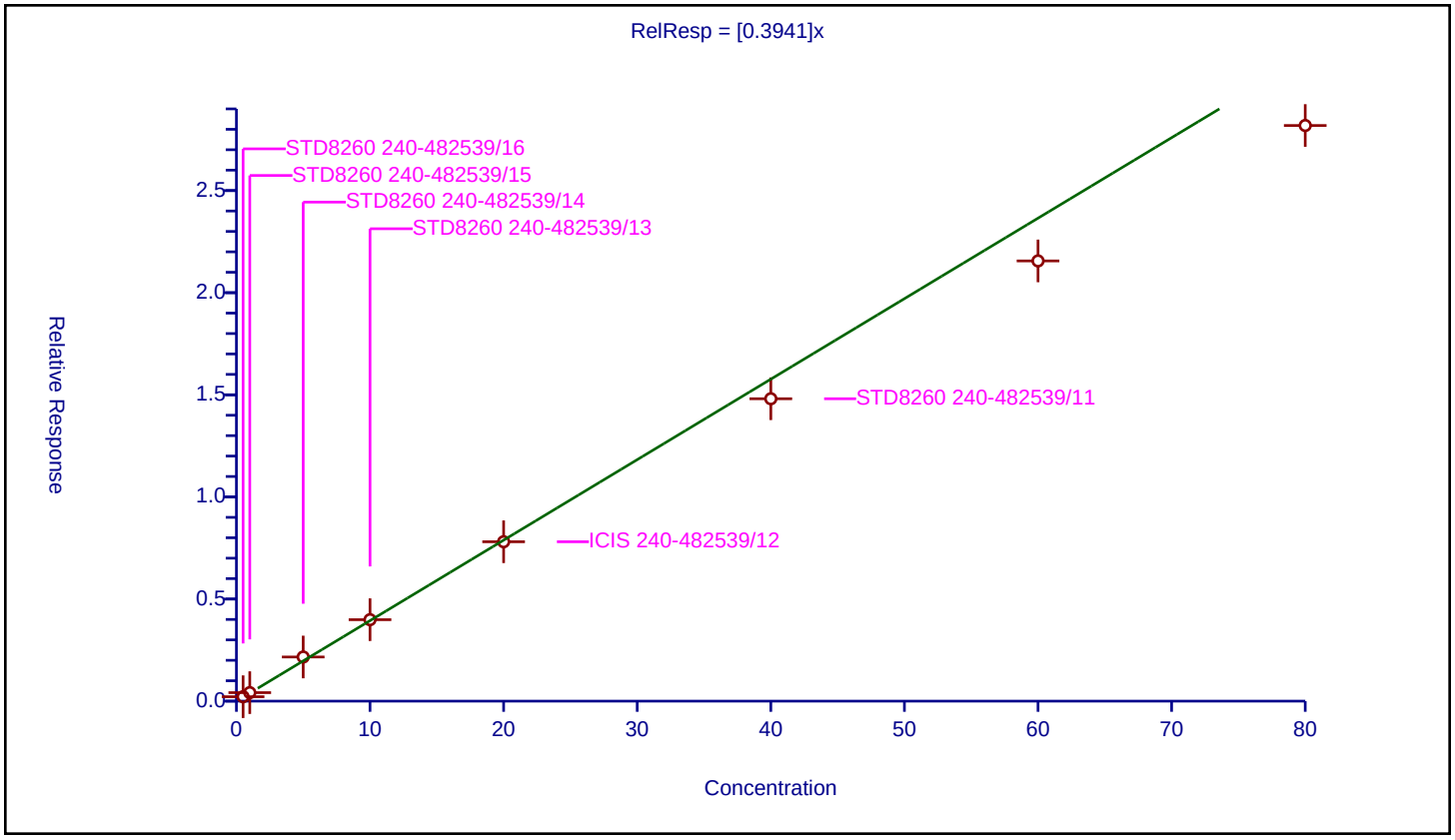
Curve Coefficients

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

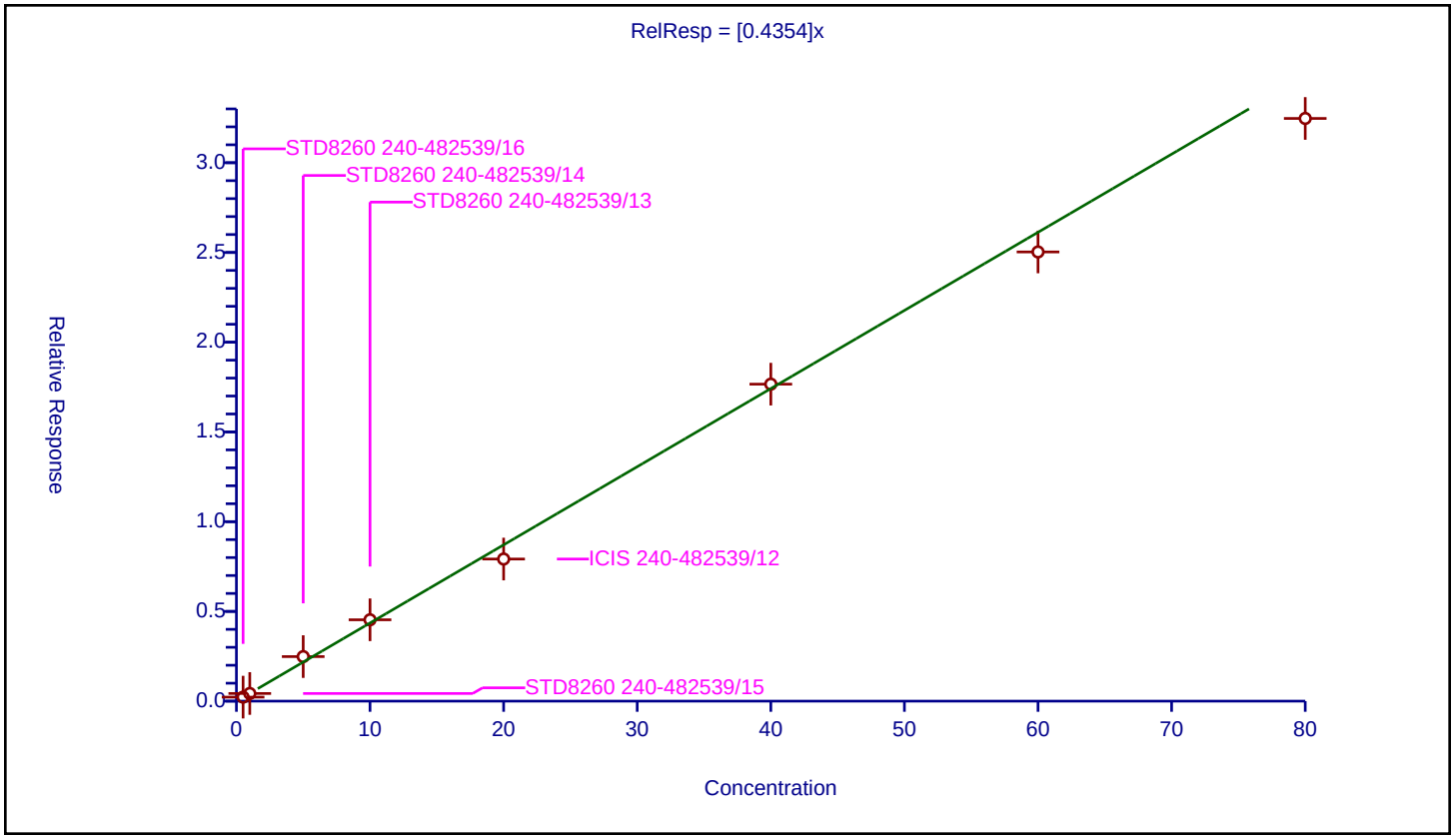
Curve Coefficients

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

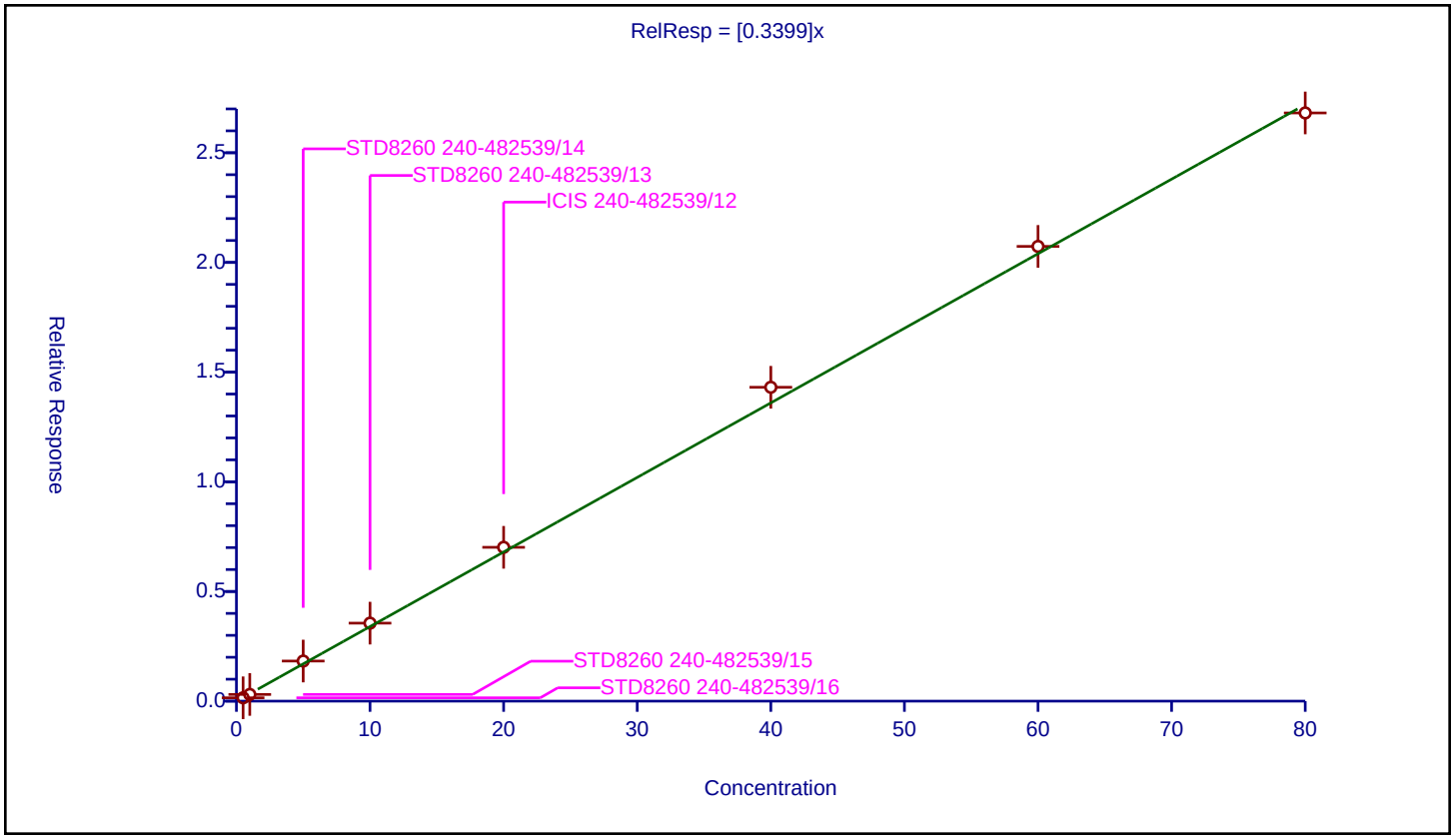
Curve Coefficients

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

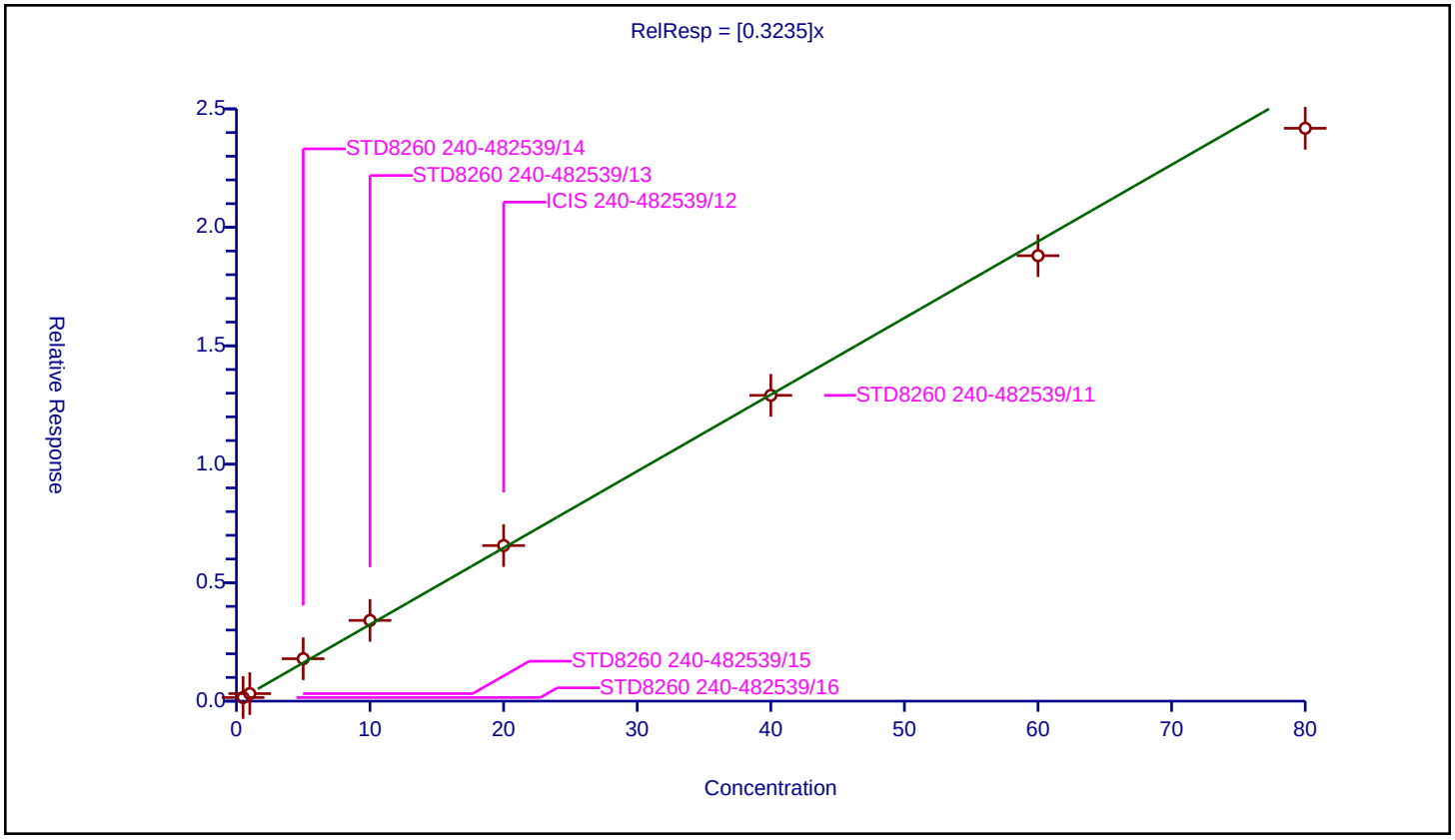
Curve Coefficients

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

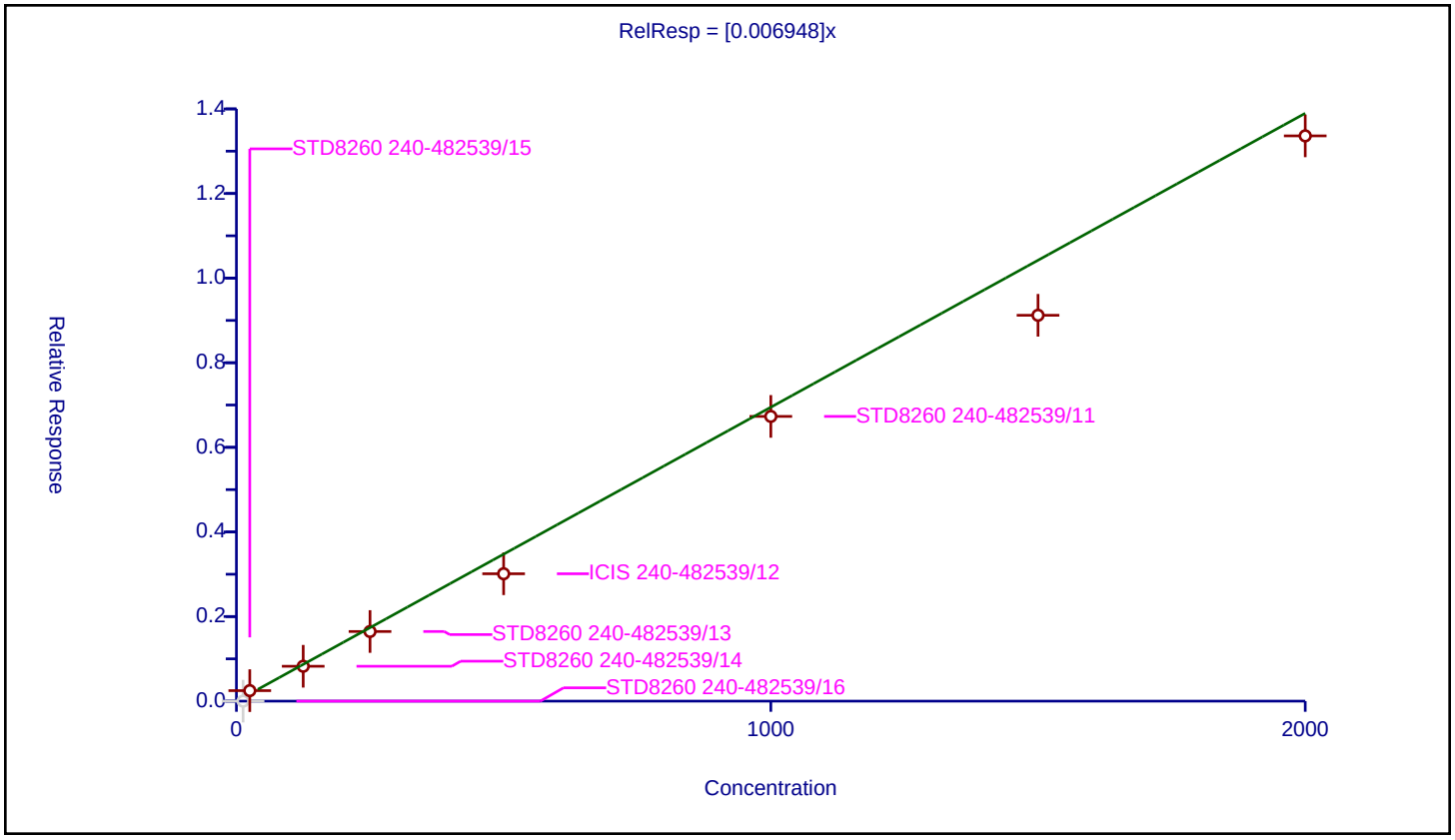
Curve Coefficients

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

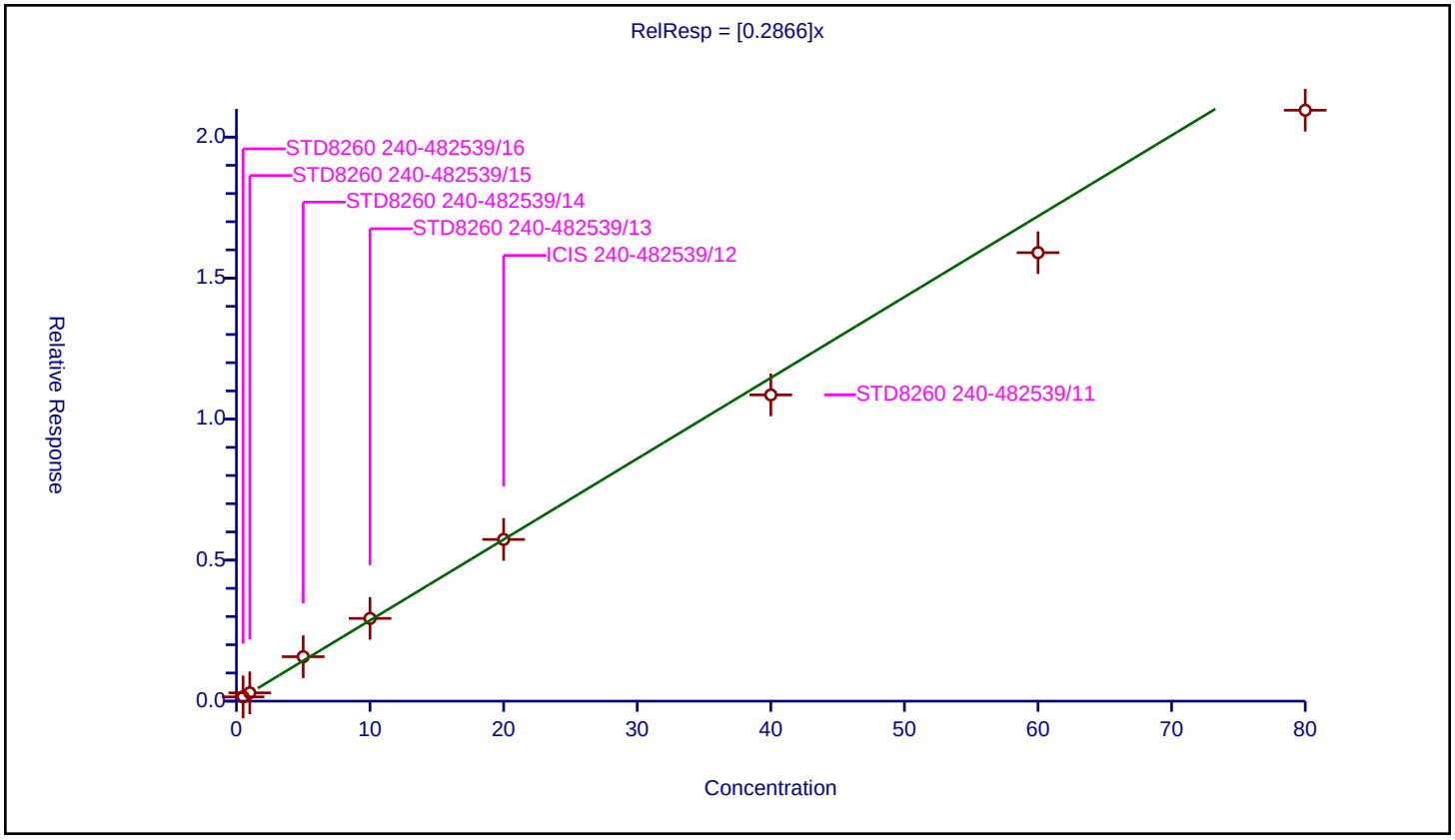
Curve Coefficients

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

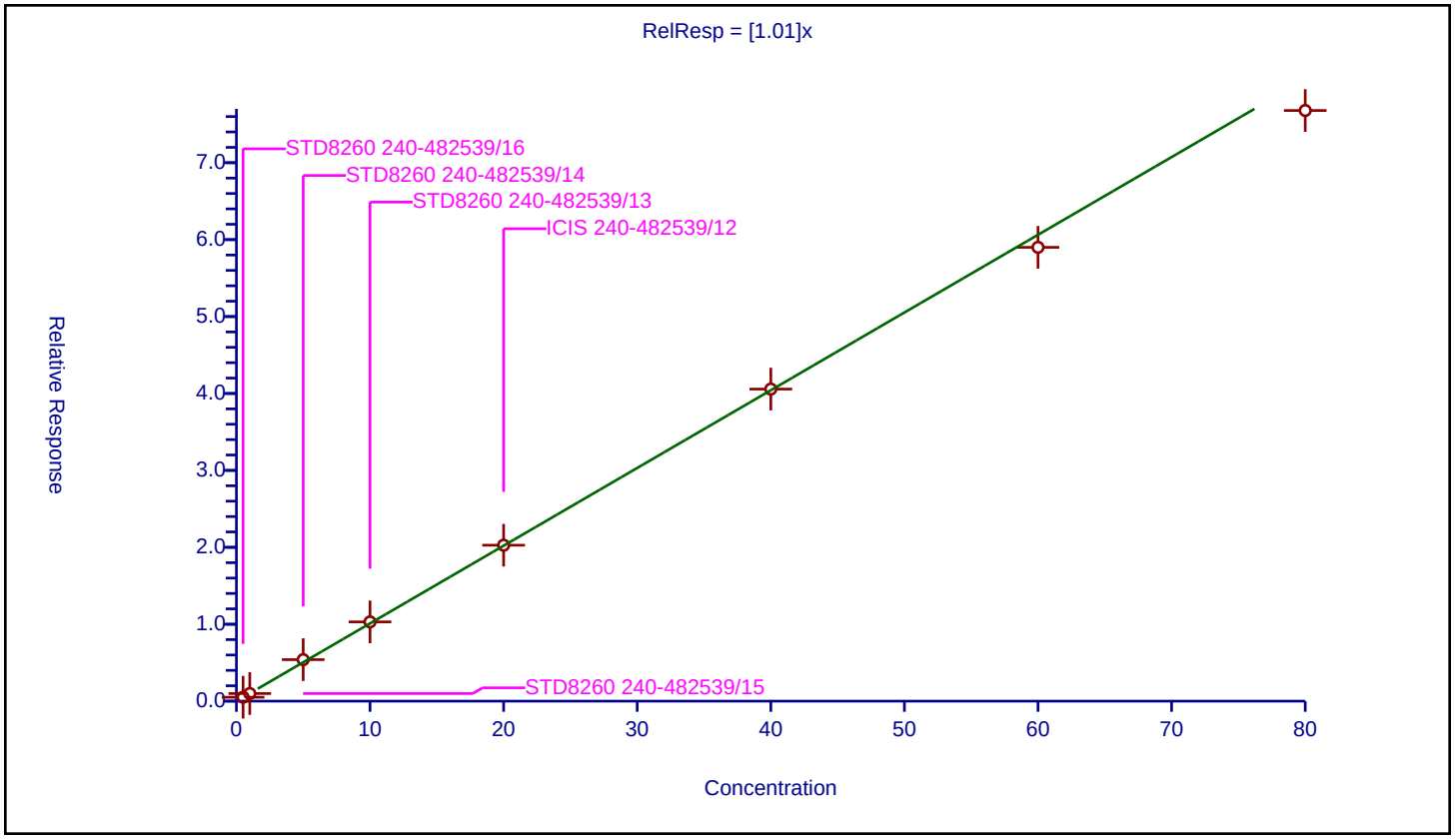
Curve Coefficients

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

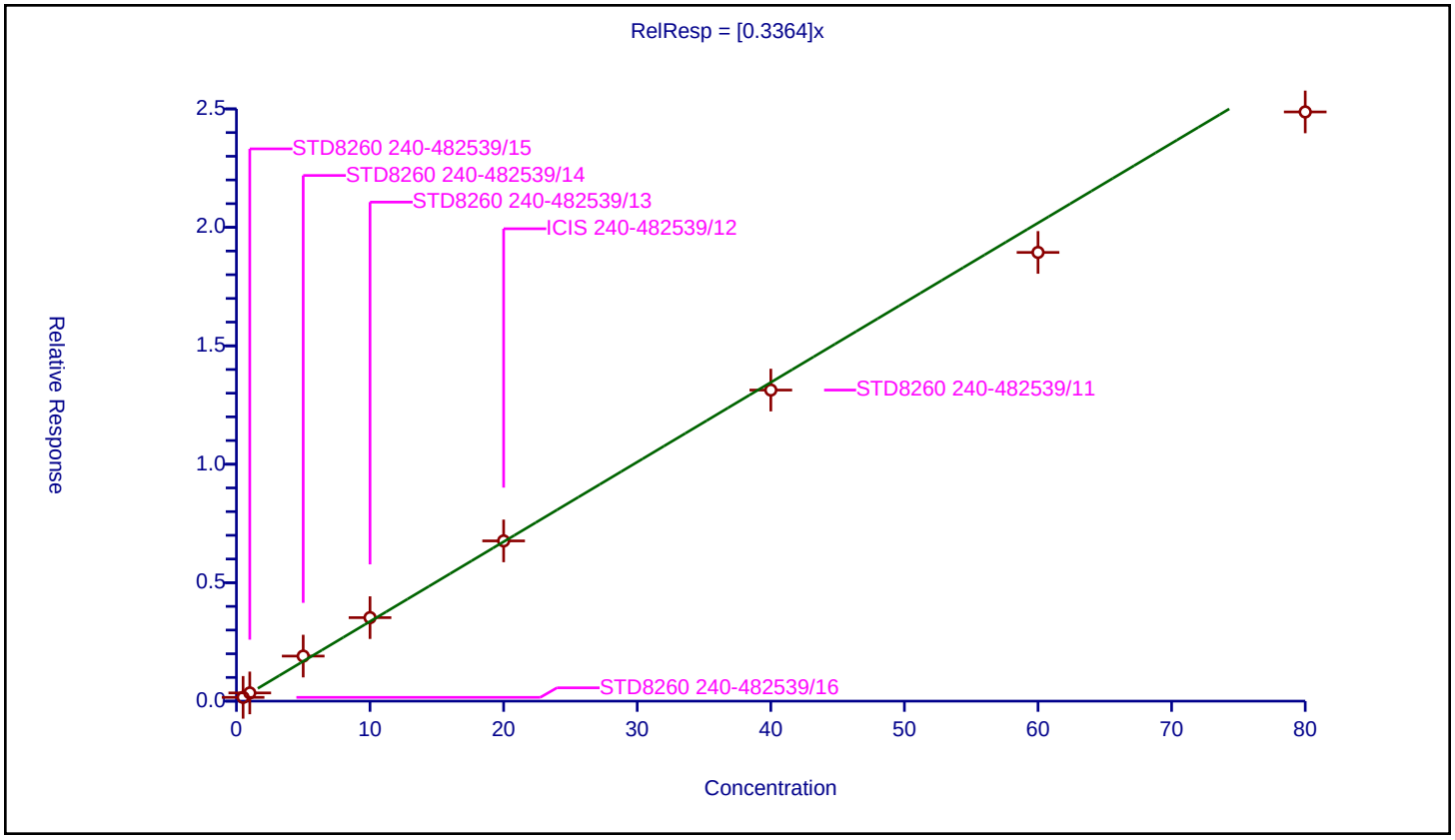
Curve Coefficients

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

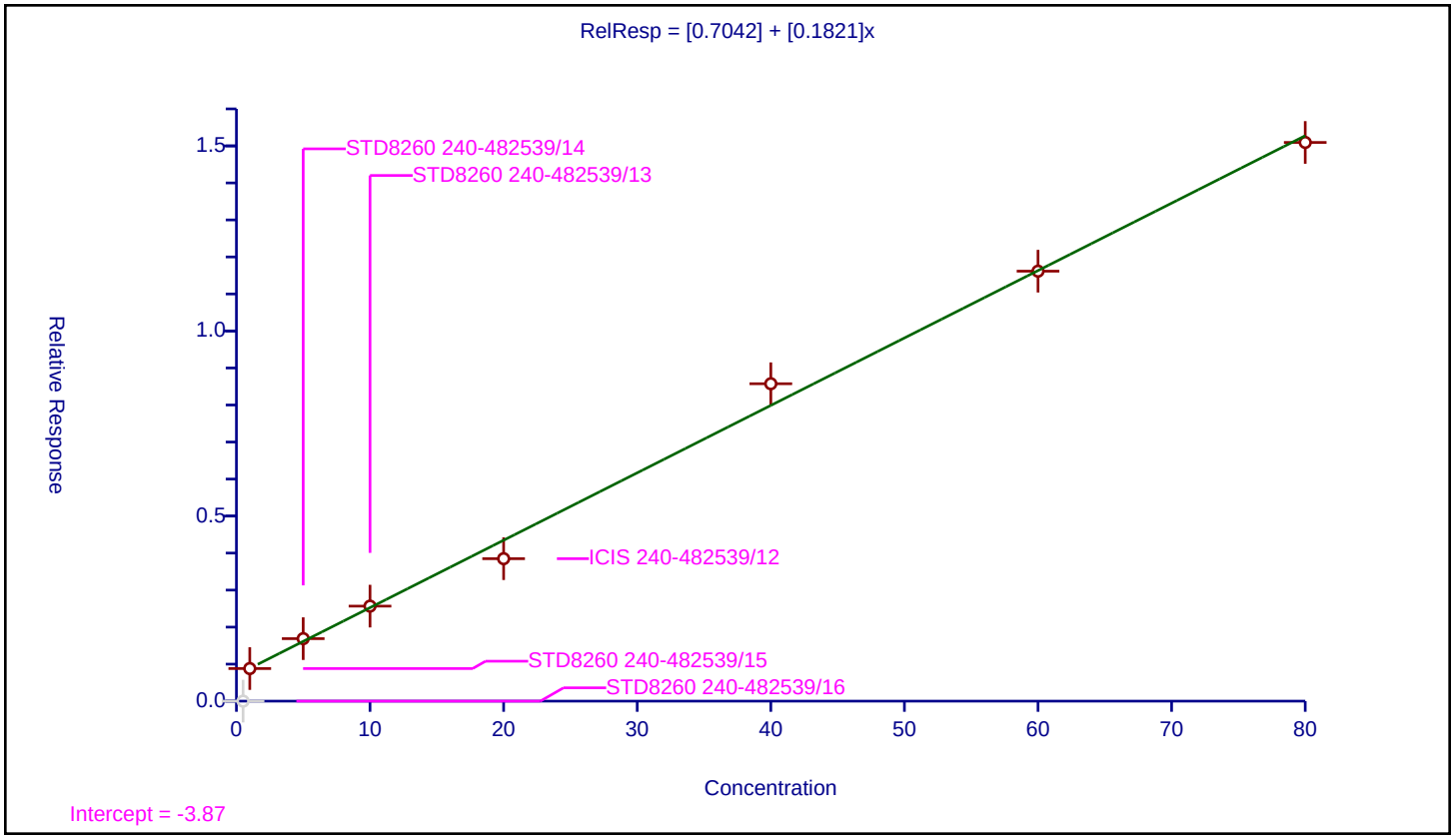
Curve Coefficients

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

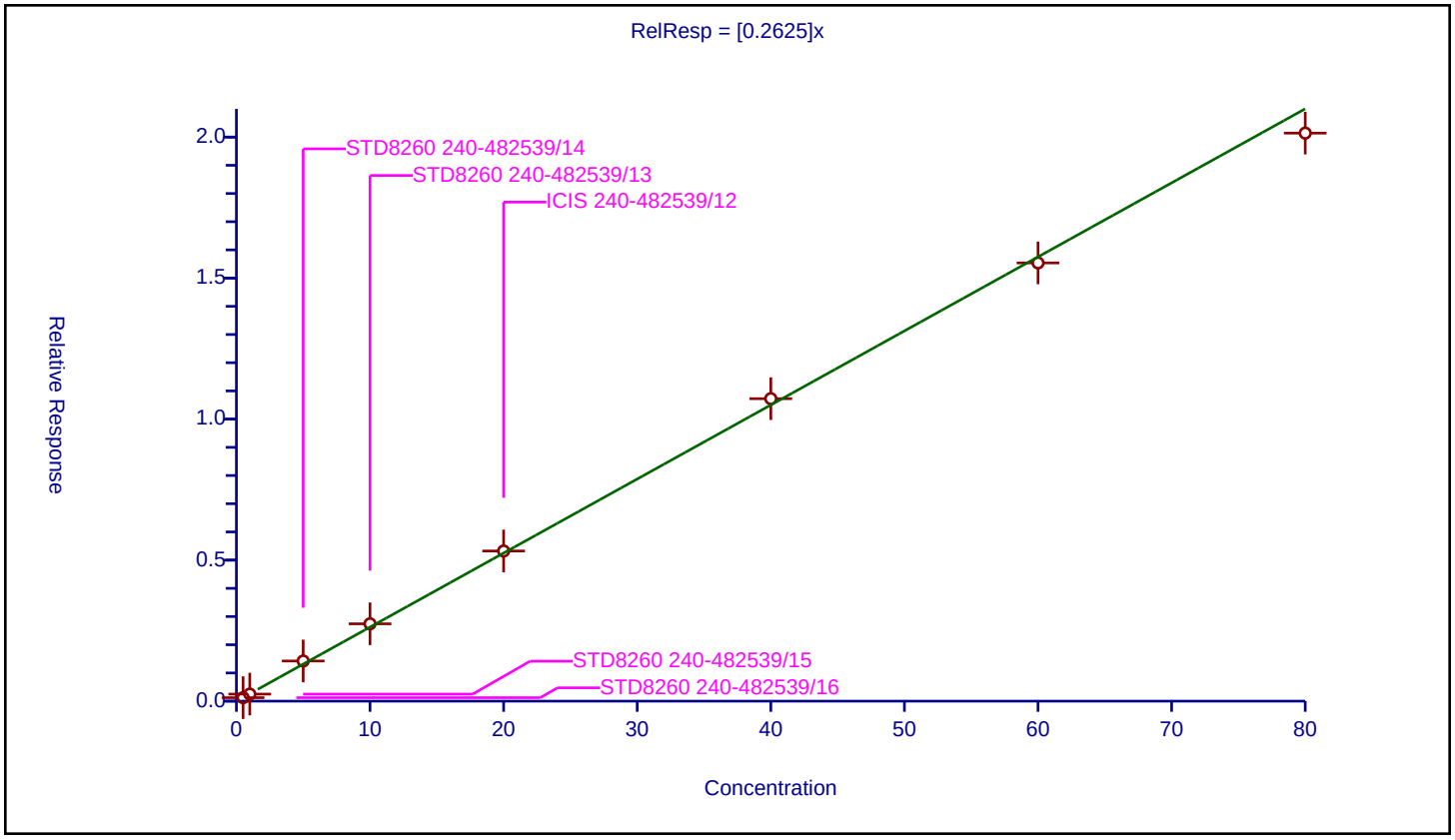
Curve Coefficients

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

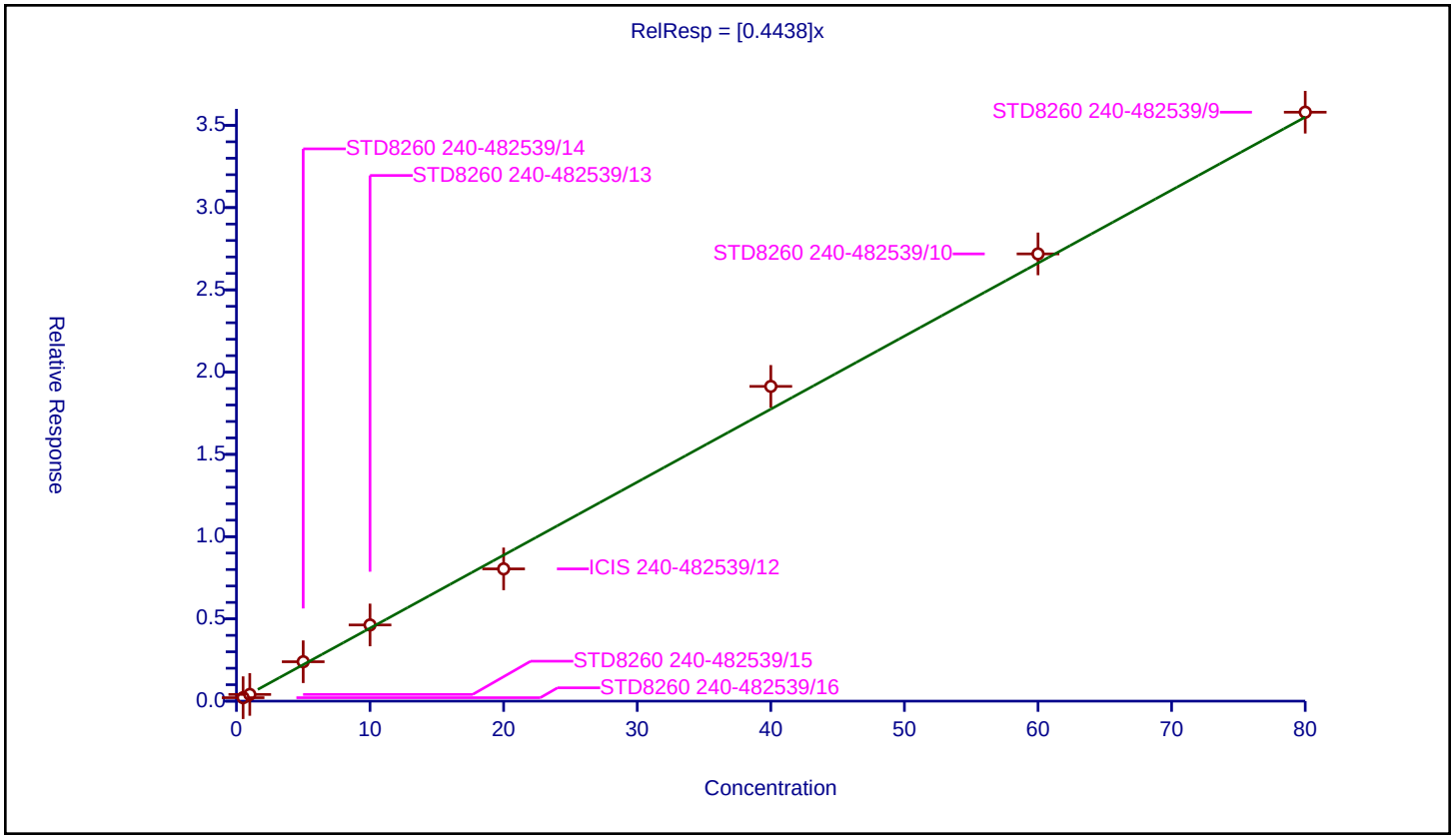
Curve Coefficients

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

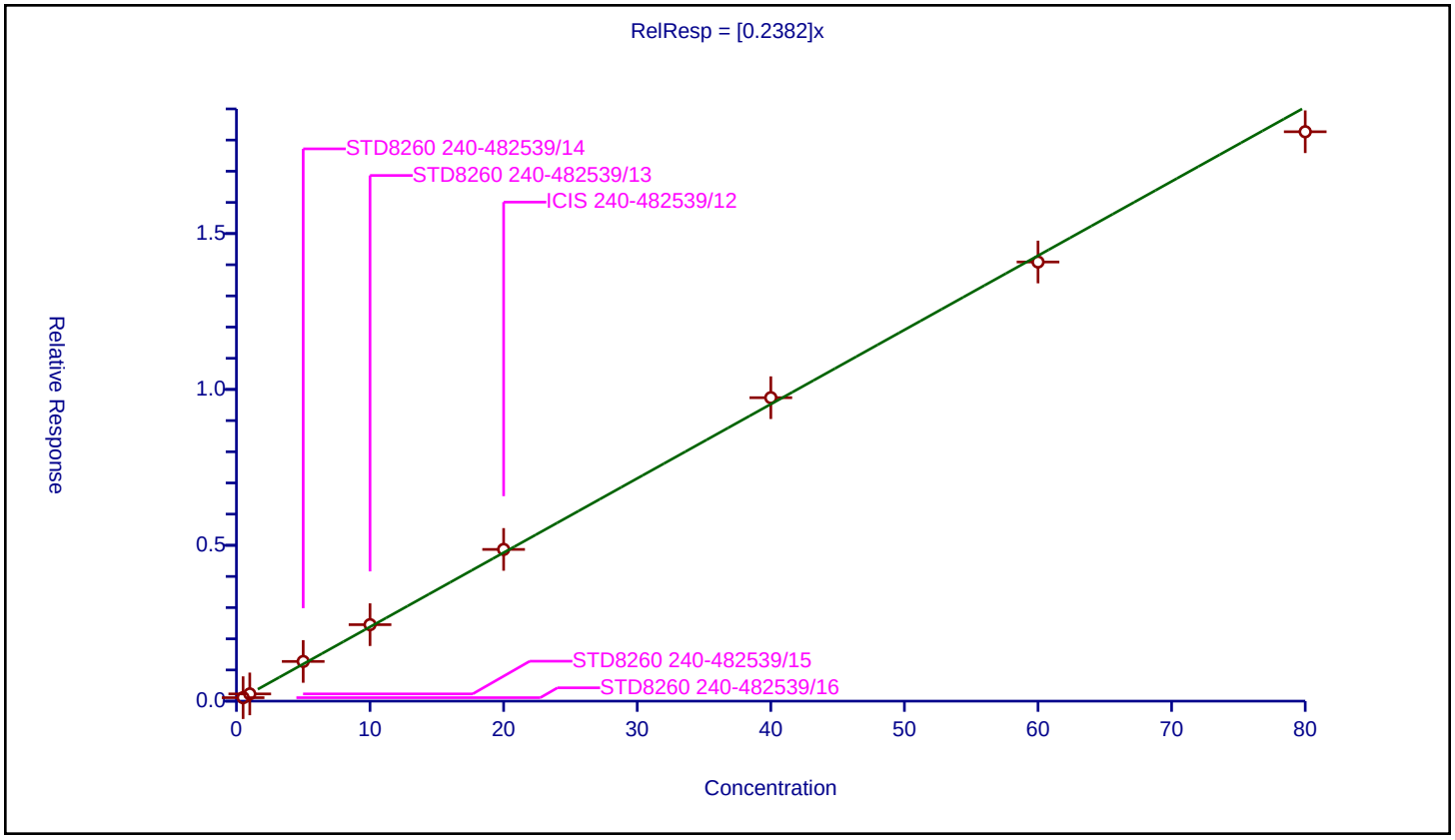
Curve Coefficients

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

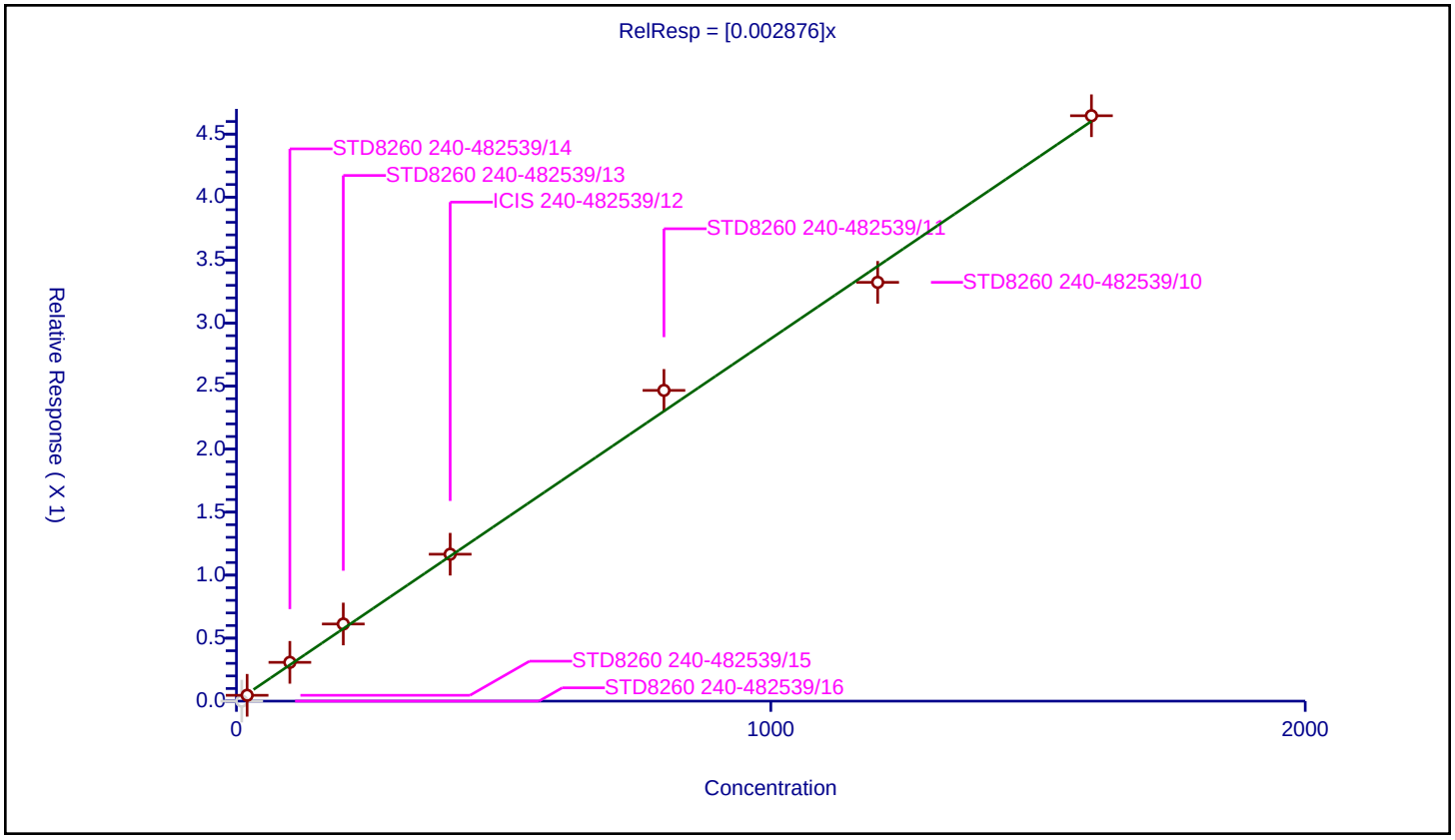
Curve Coefficients

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

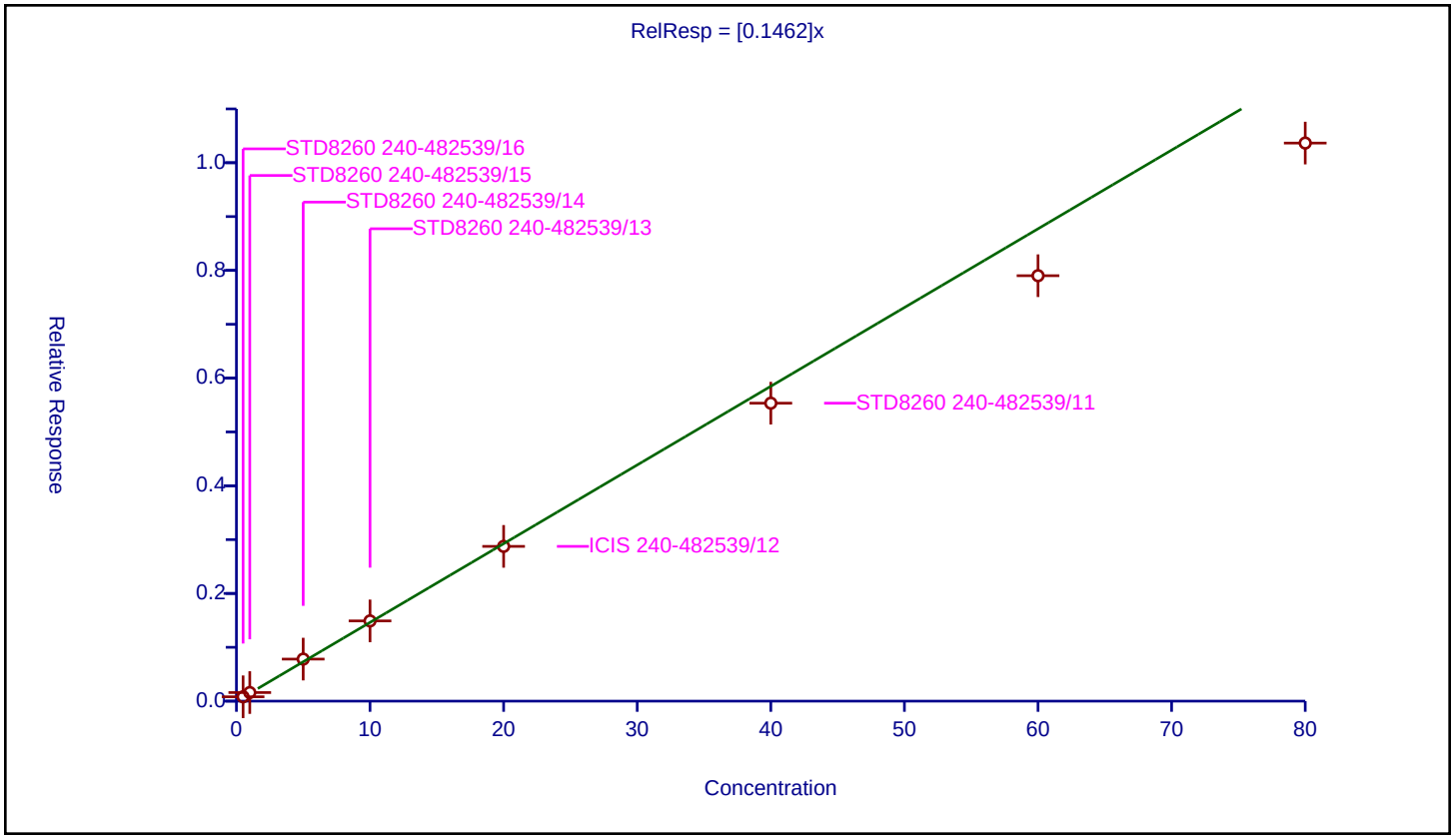
Curve Coefficients

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

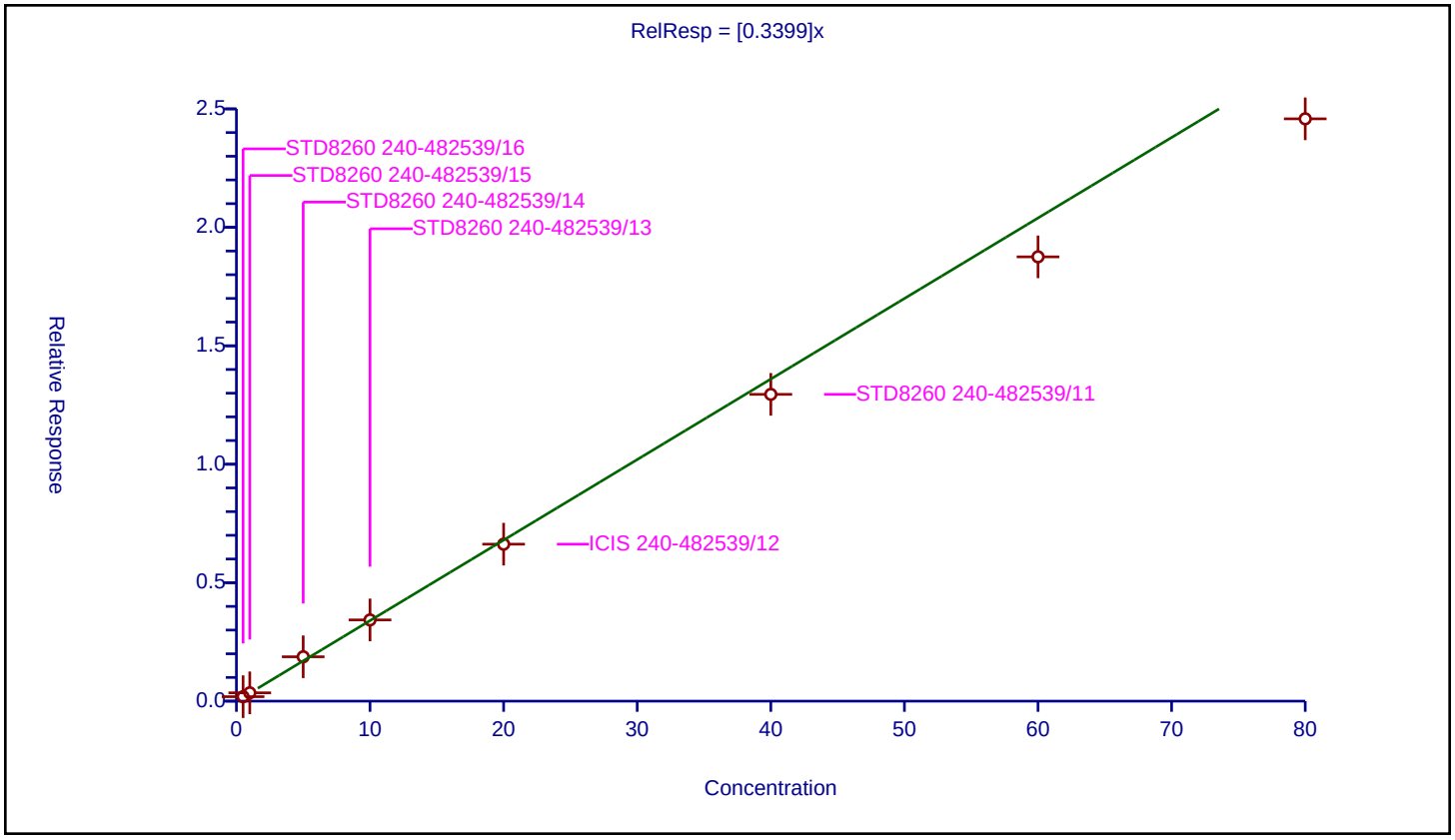
Curve Coefficients

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

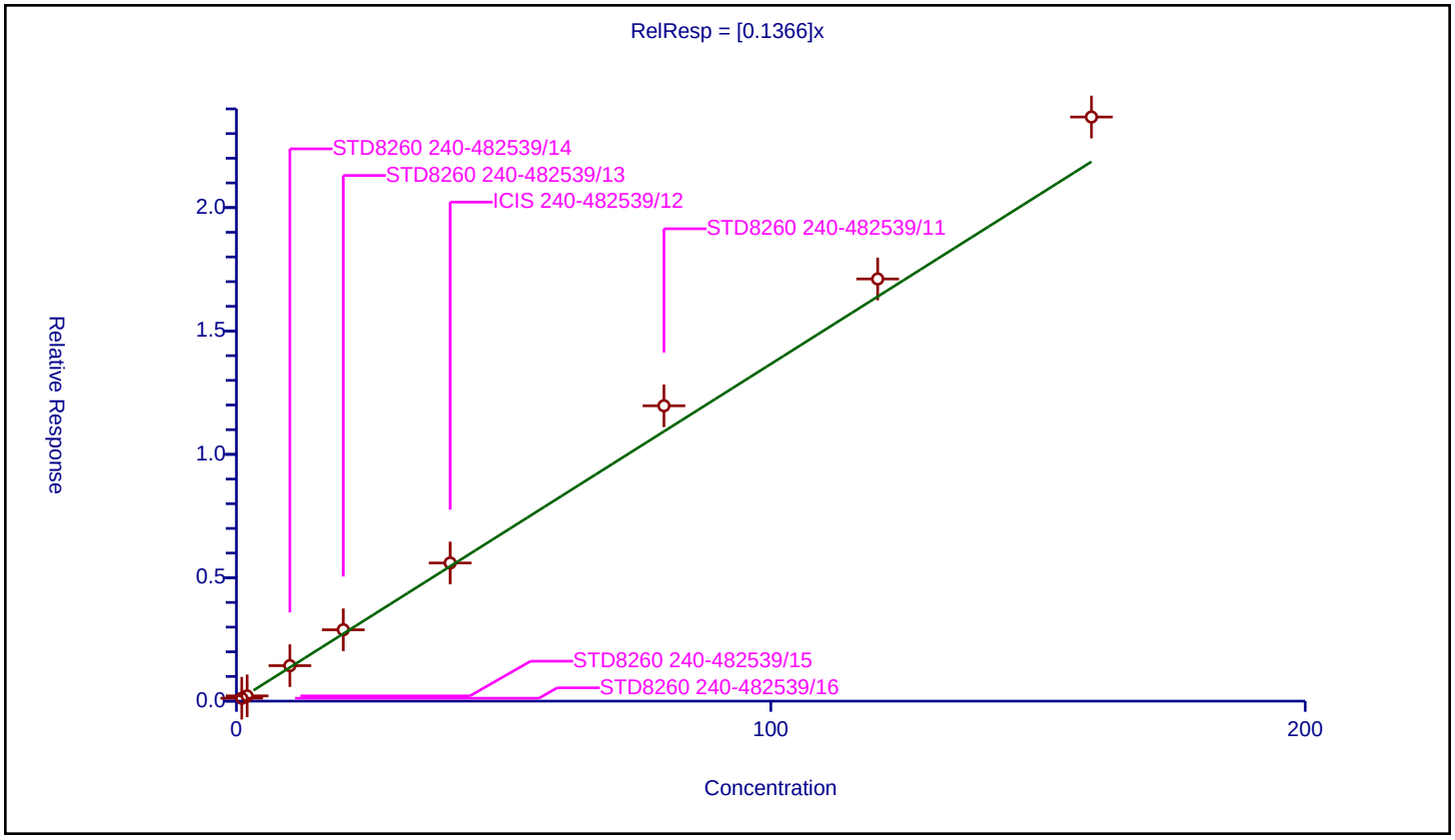
Curve Coefficients

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

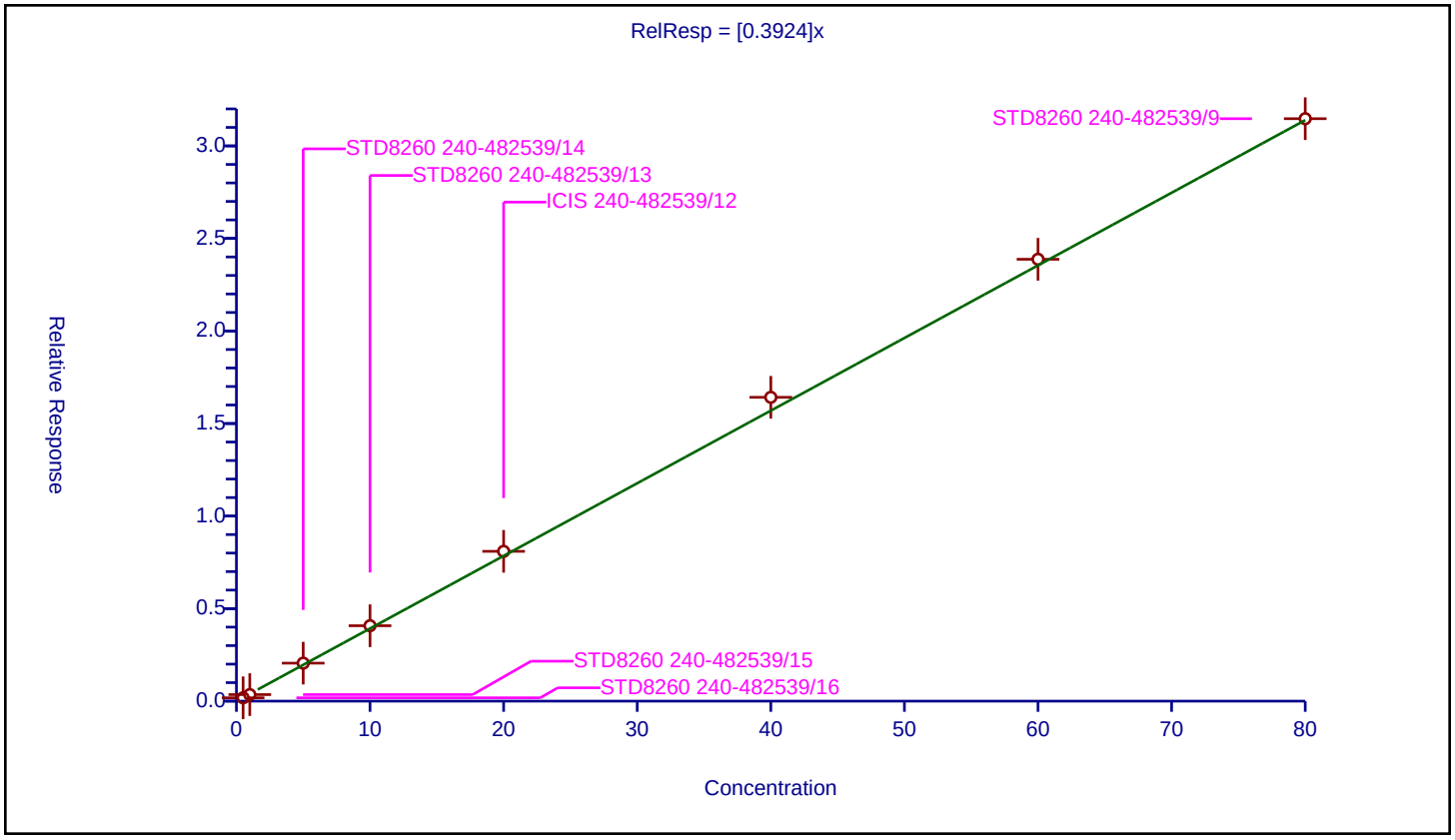
Curve Coefficients

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

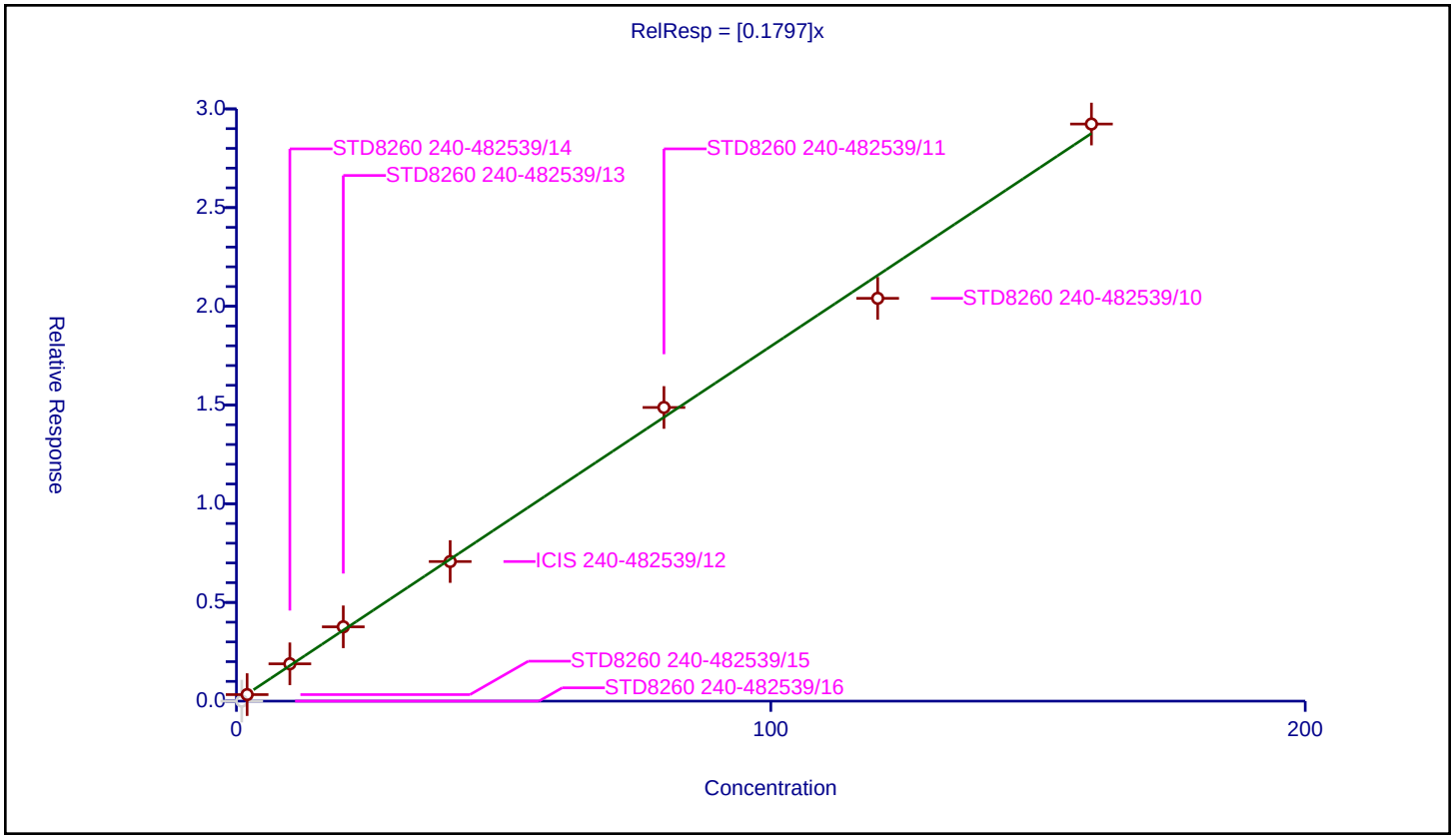
Curve Coefficients

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

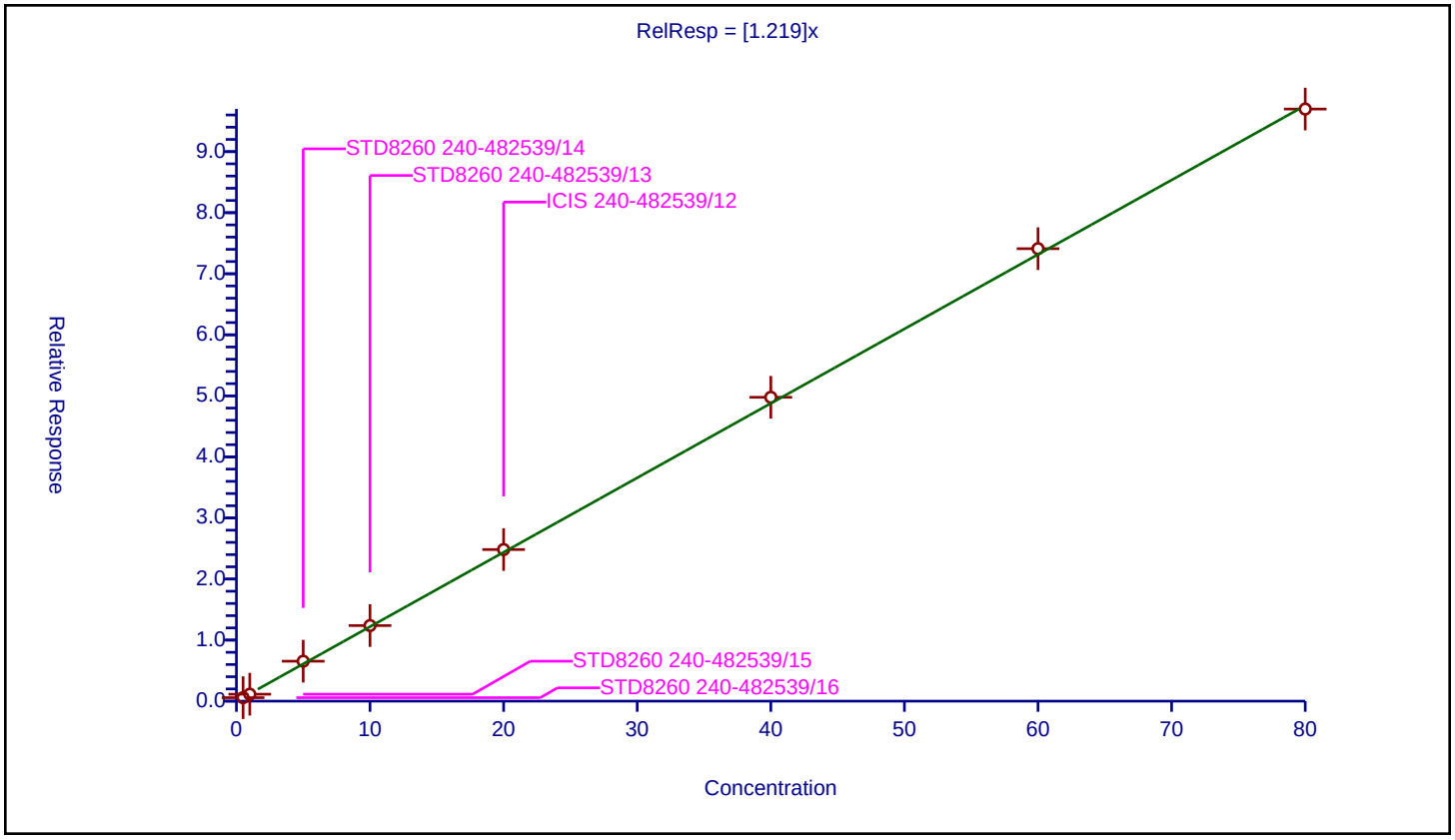
Curve Coefficients

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

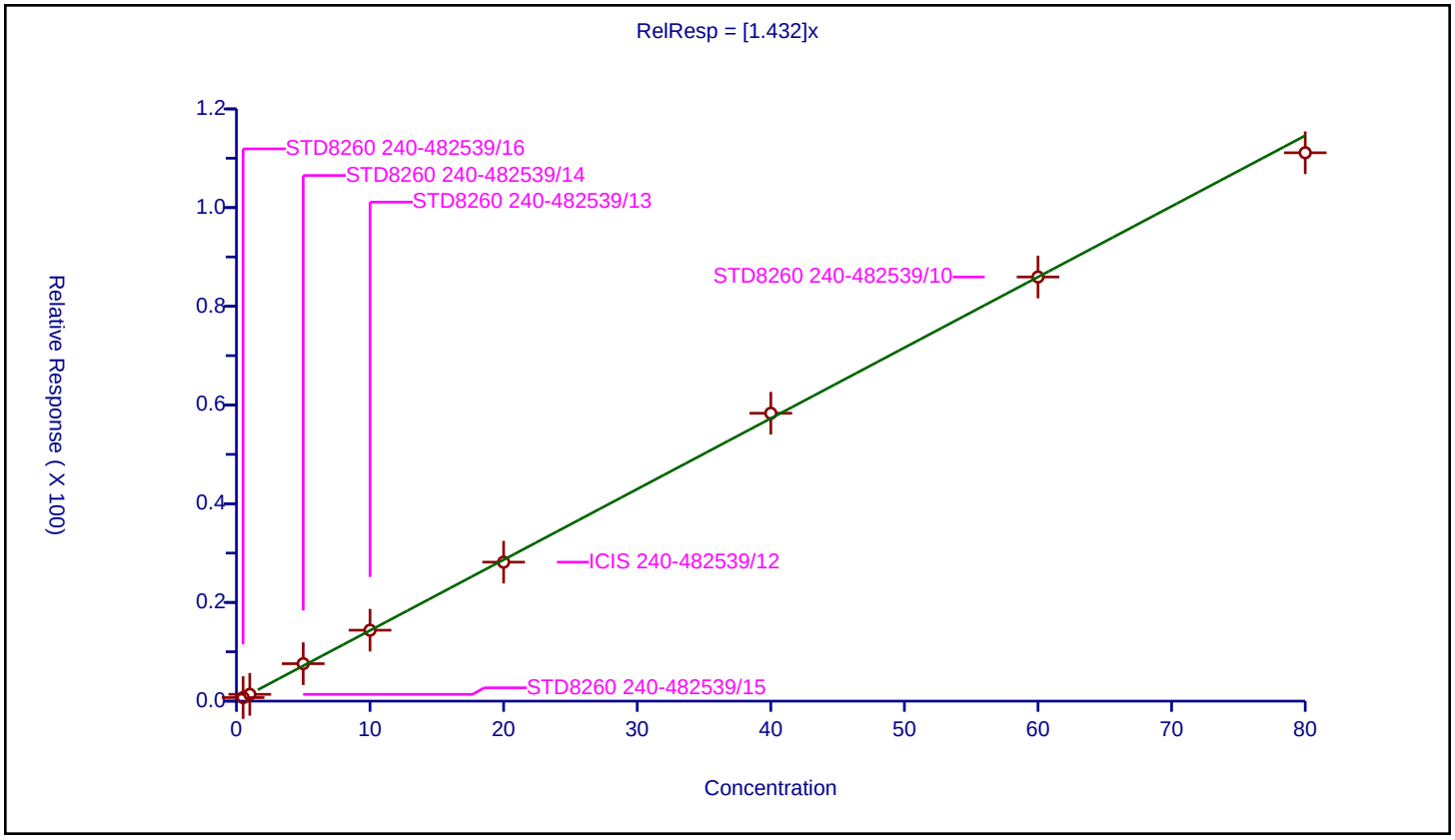
Curve Coefficients

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

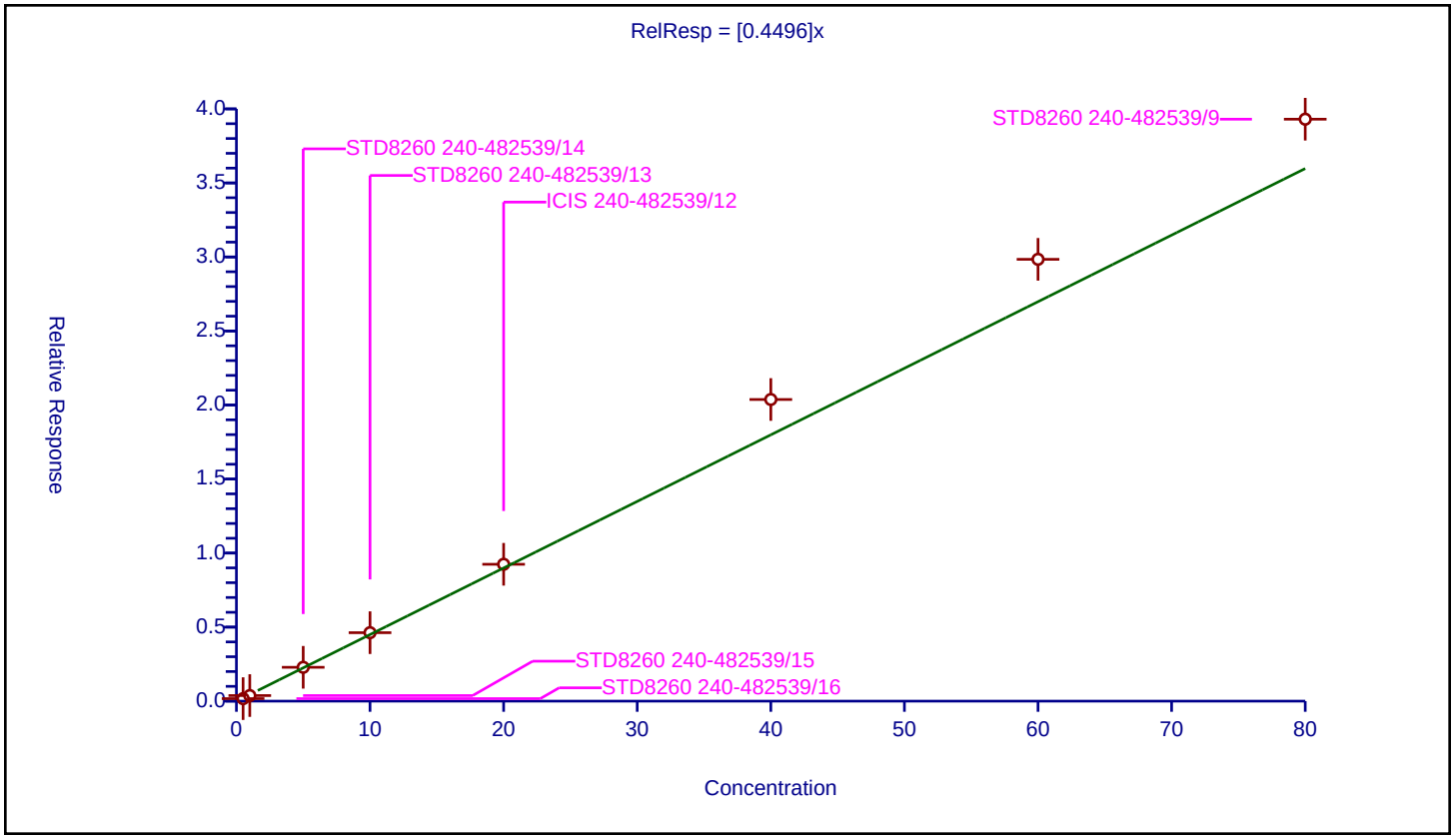
Curve Coefficients

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

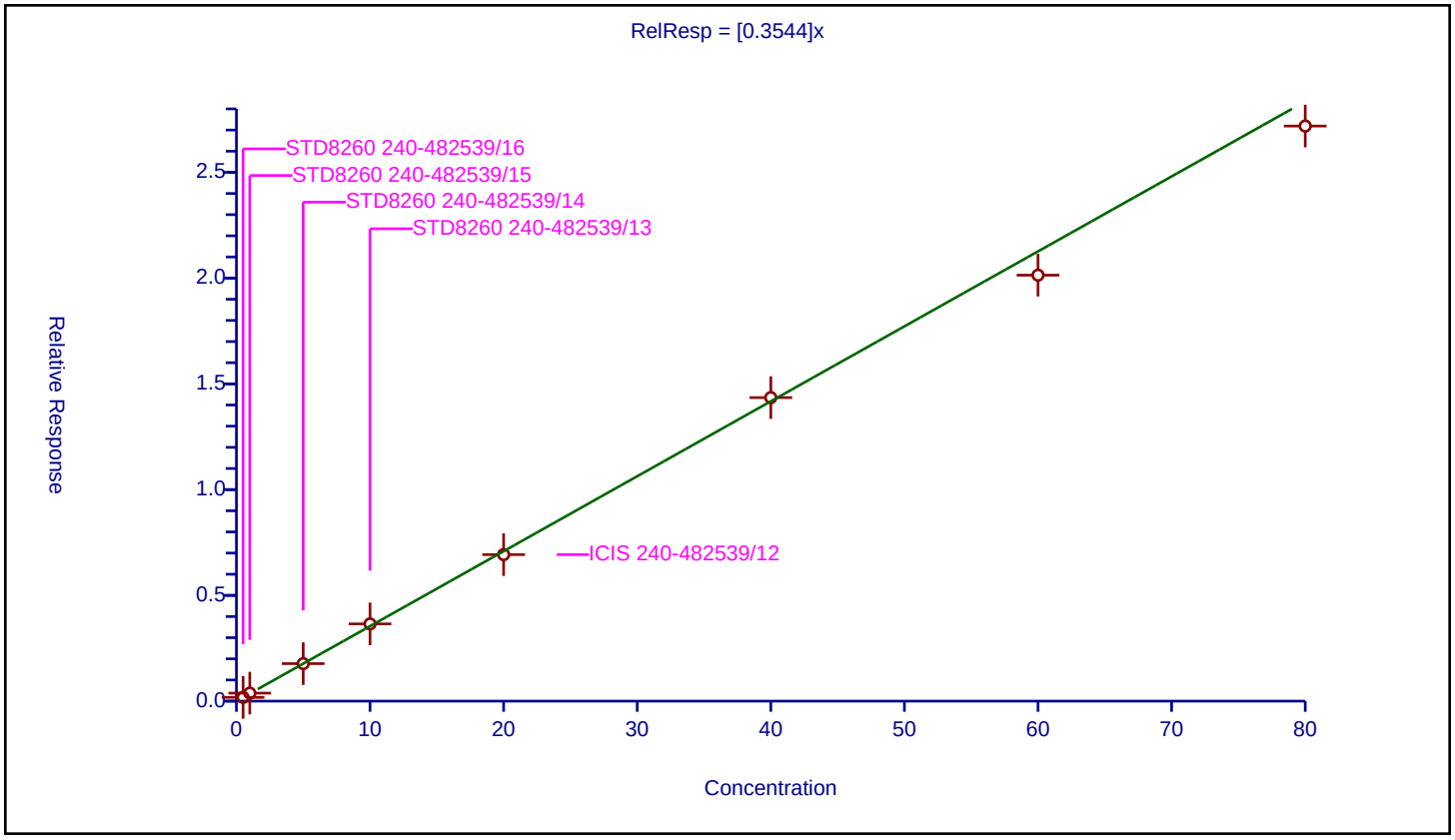
Curve Coefficients

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



Calibration / 1,1,2-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

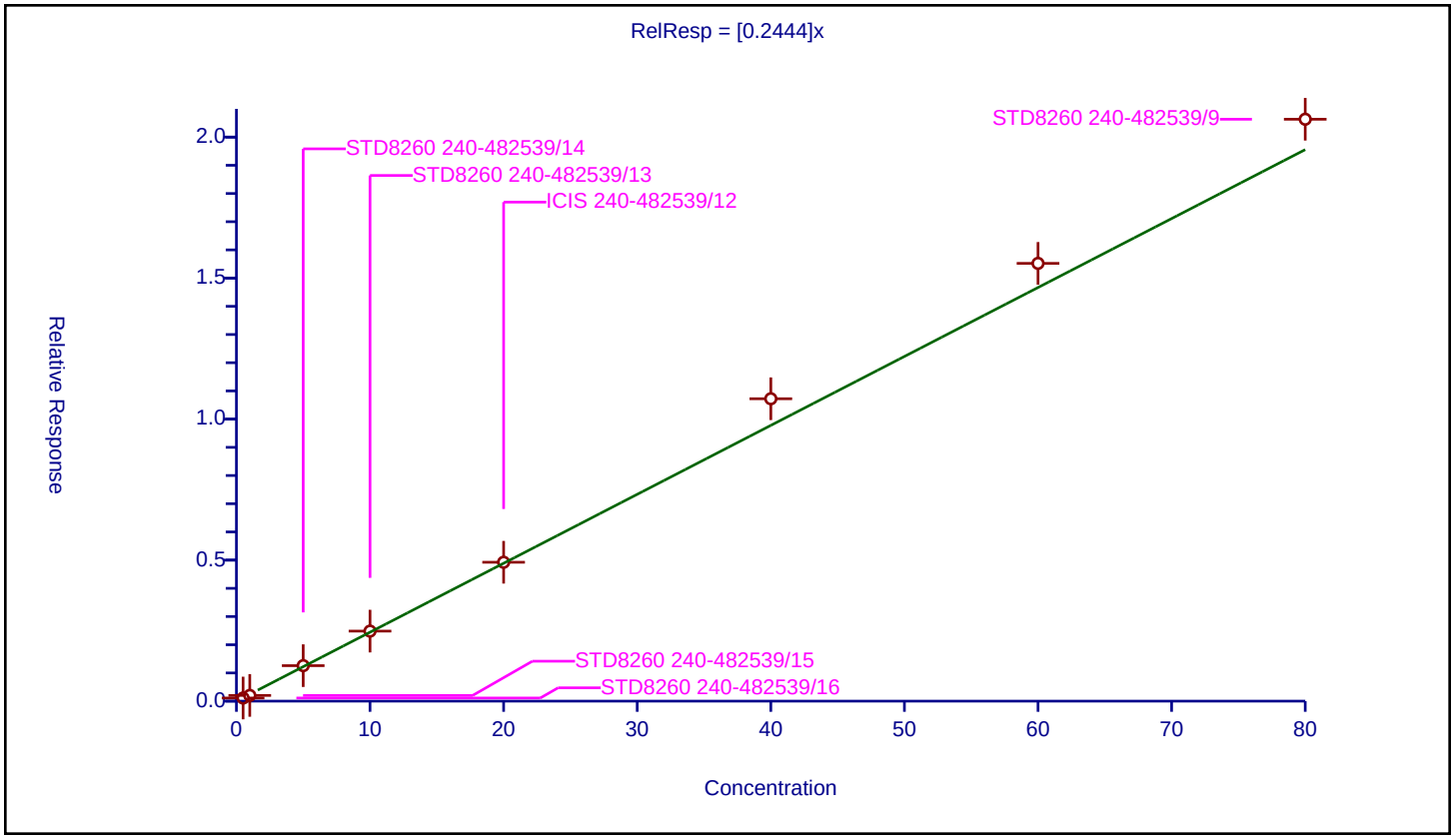
Curve Coefficients

Intercept:	0
Slope:	0.2444

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

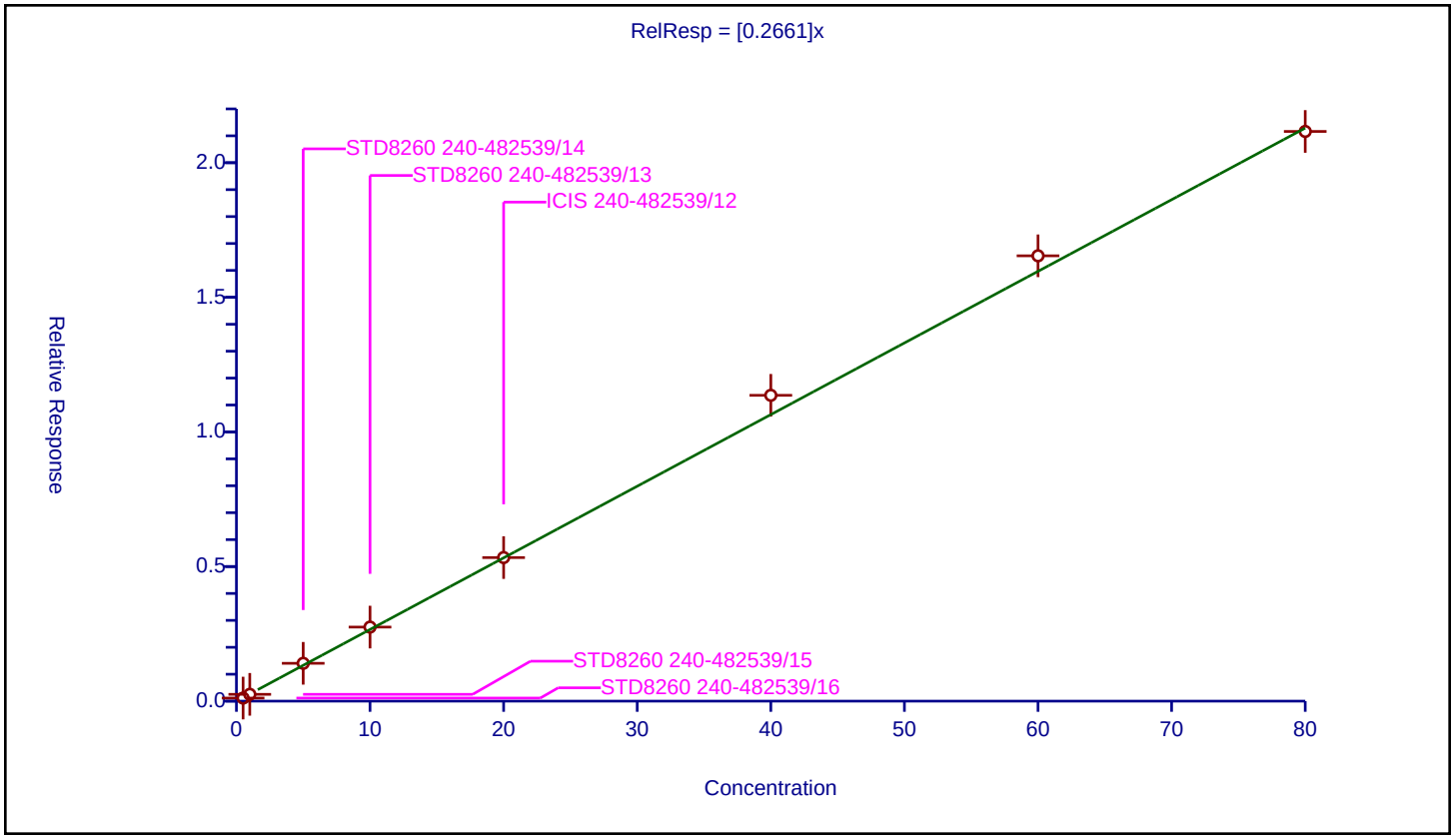
Curve Coefficients

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

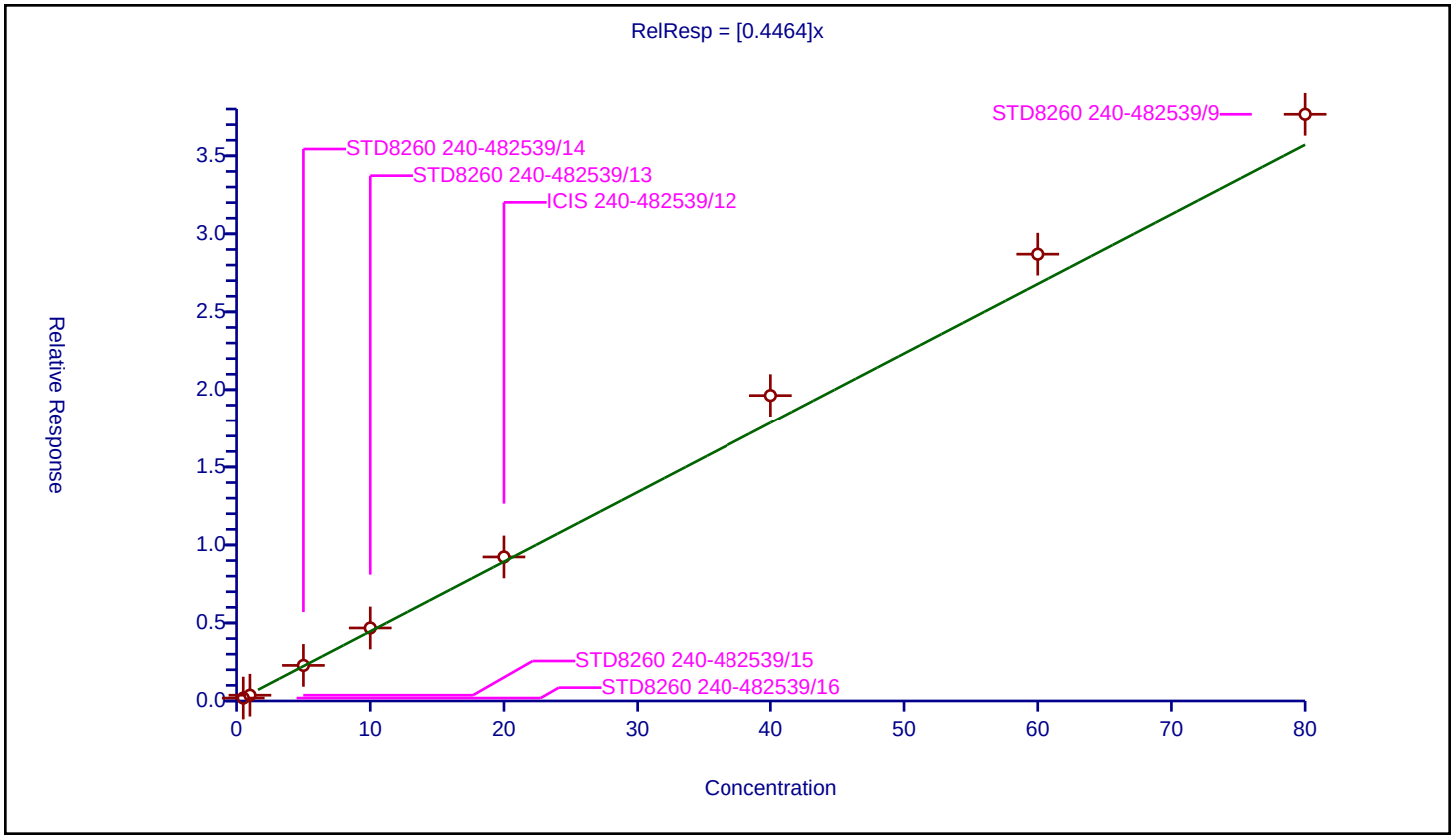
Curve Coefficients

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

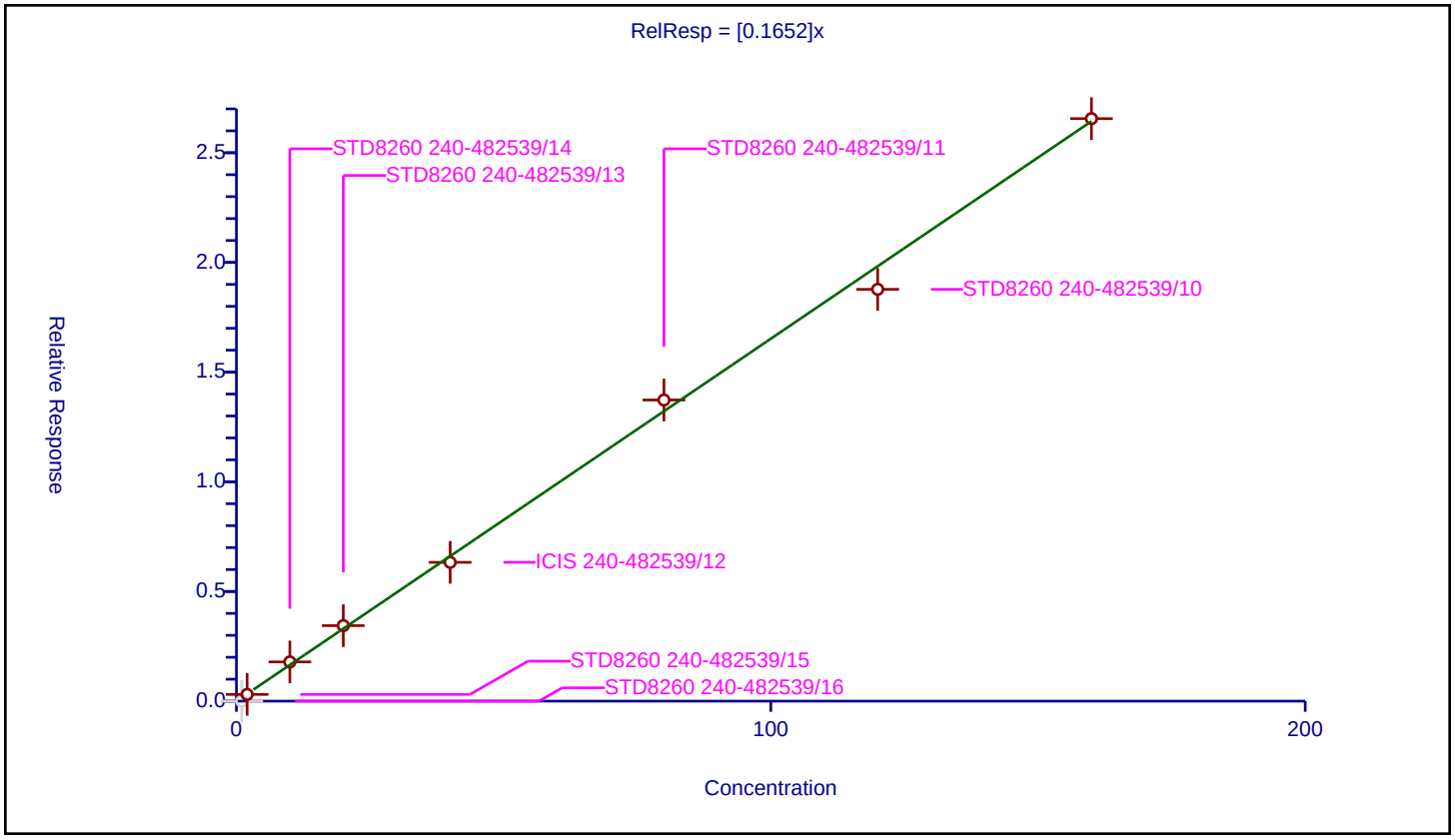
Curve Coefficients

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

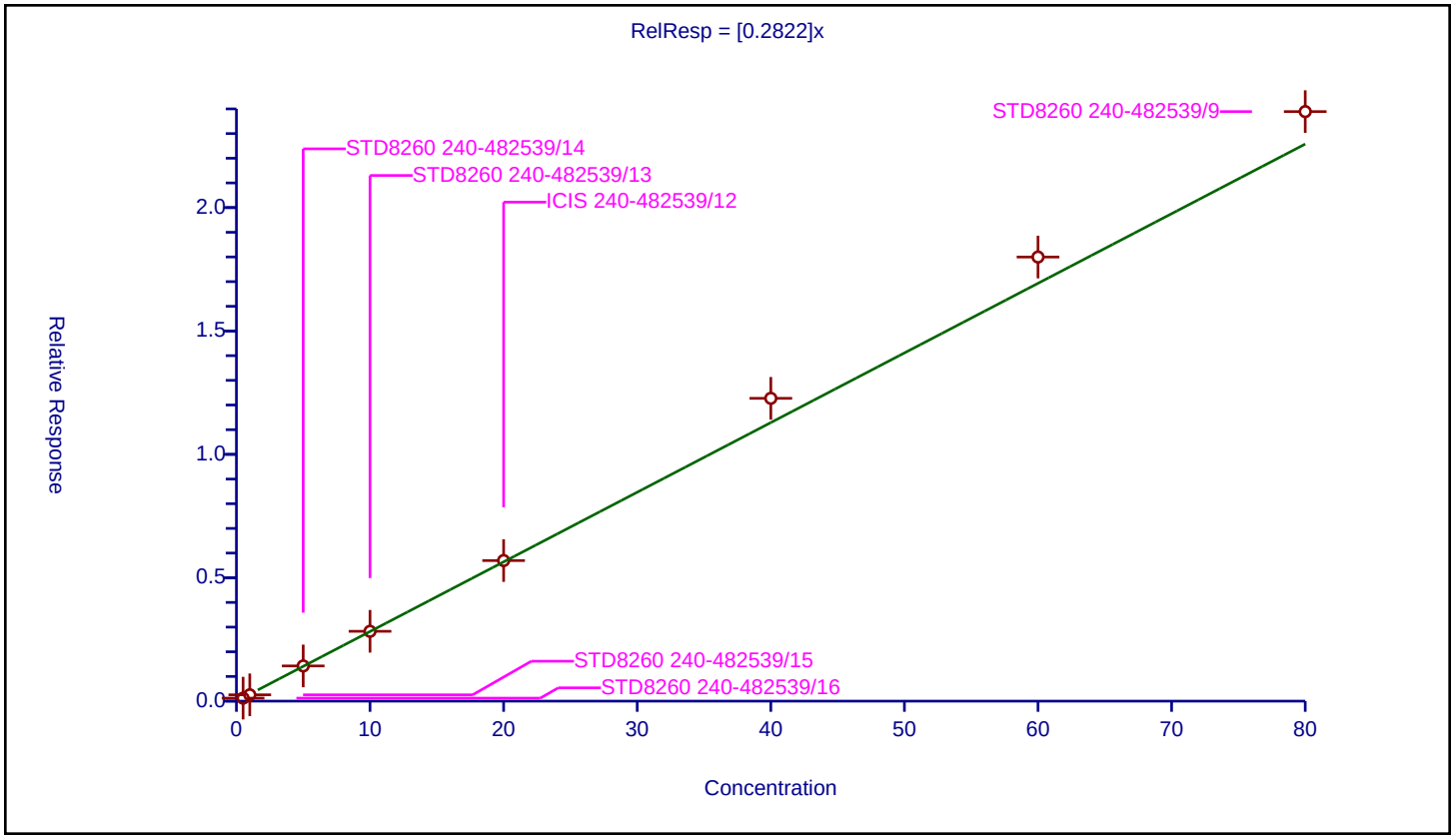
Curve Coefficients

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

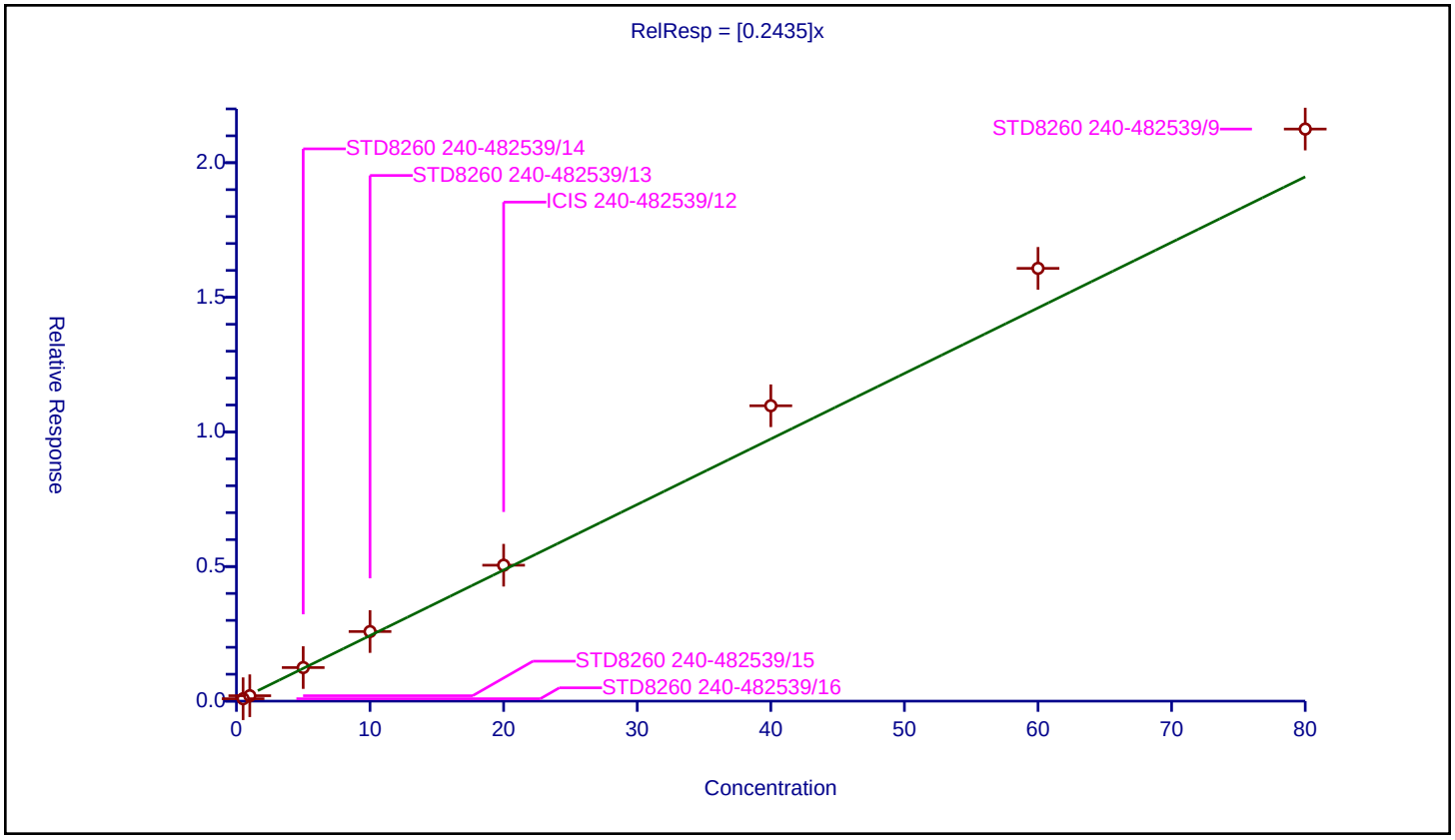
Curve Coefficients

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

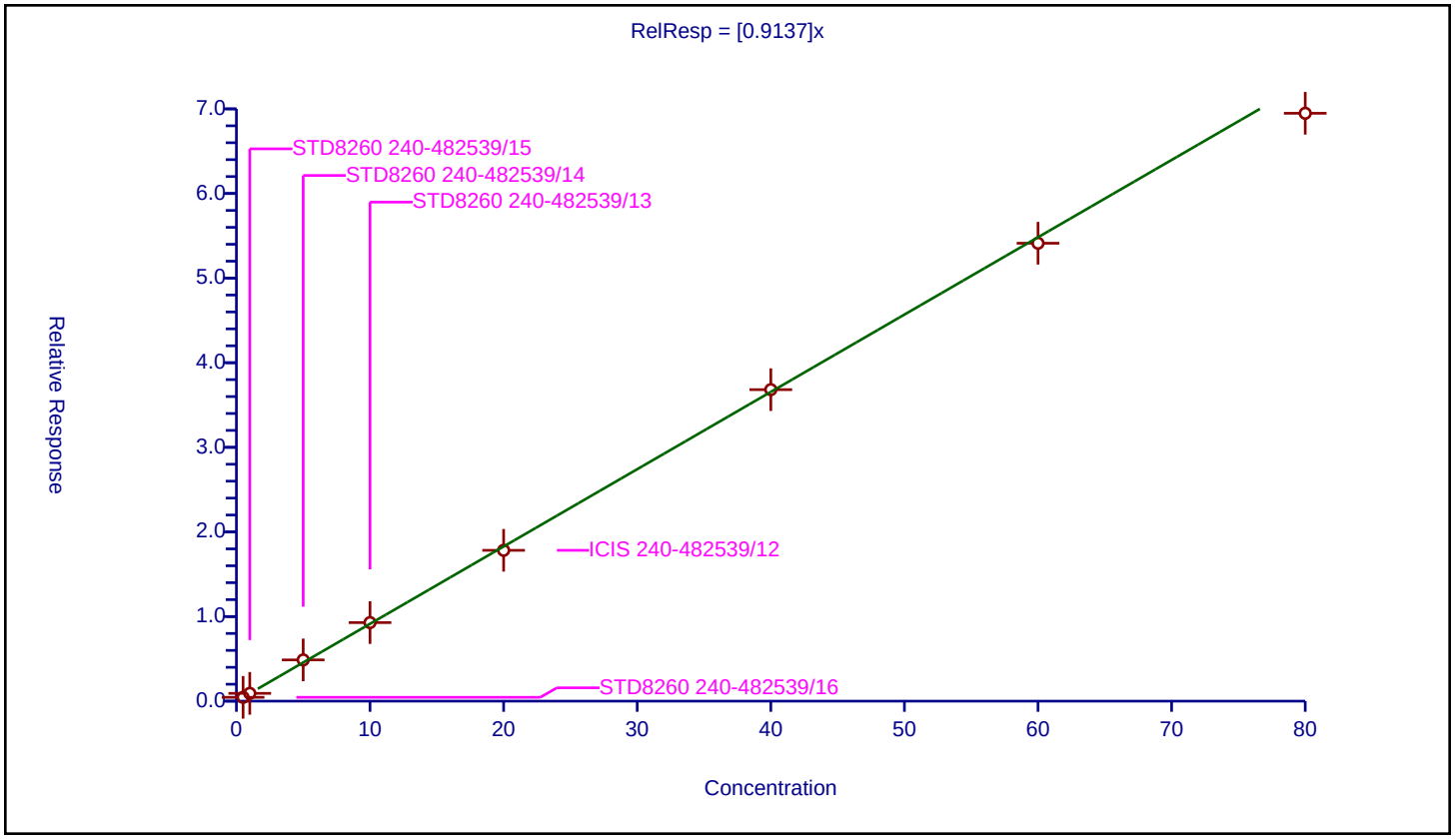
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

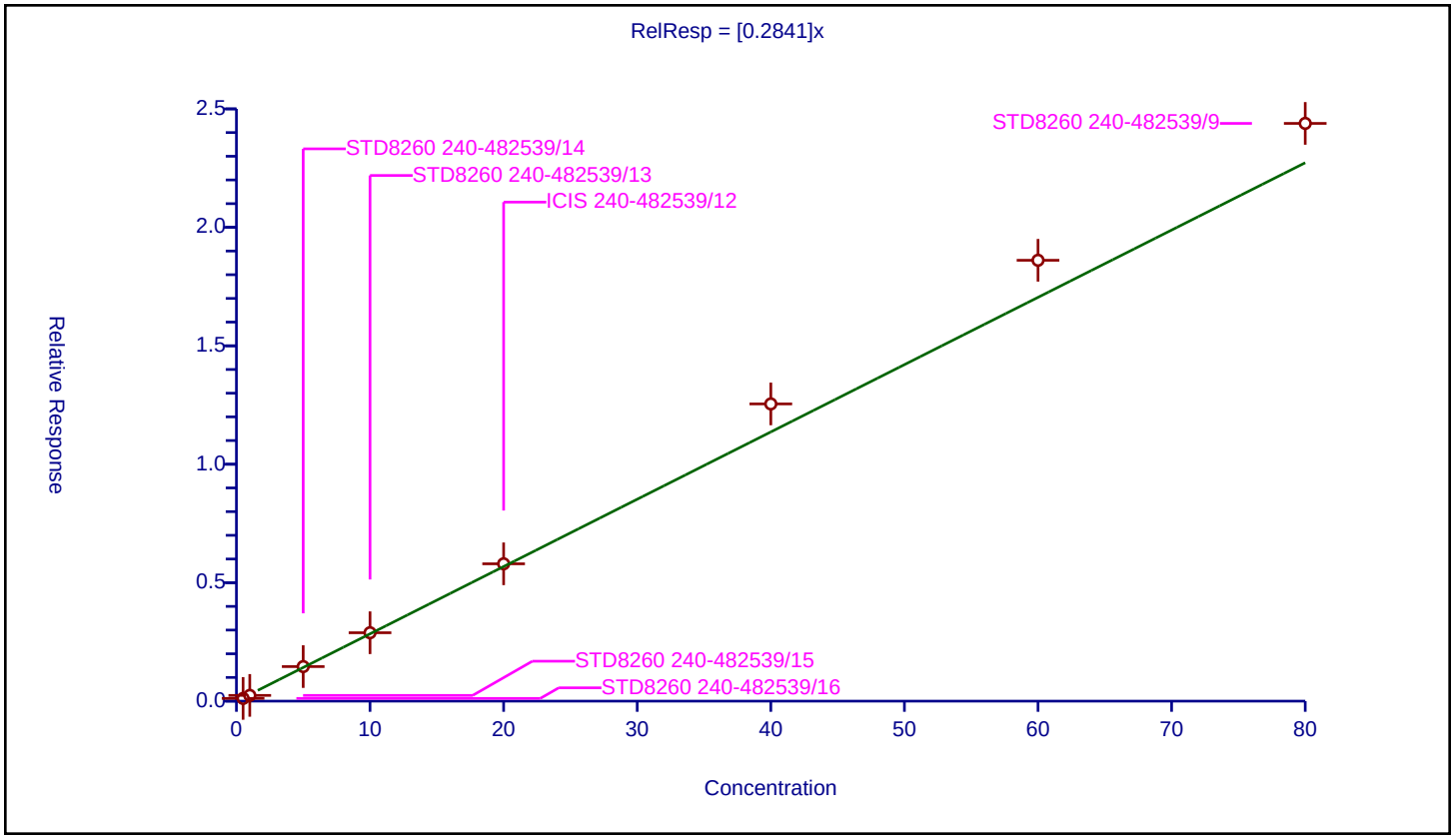
Curve Coefficients

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

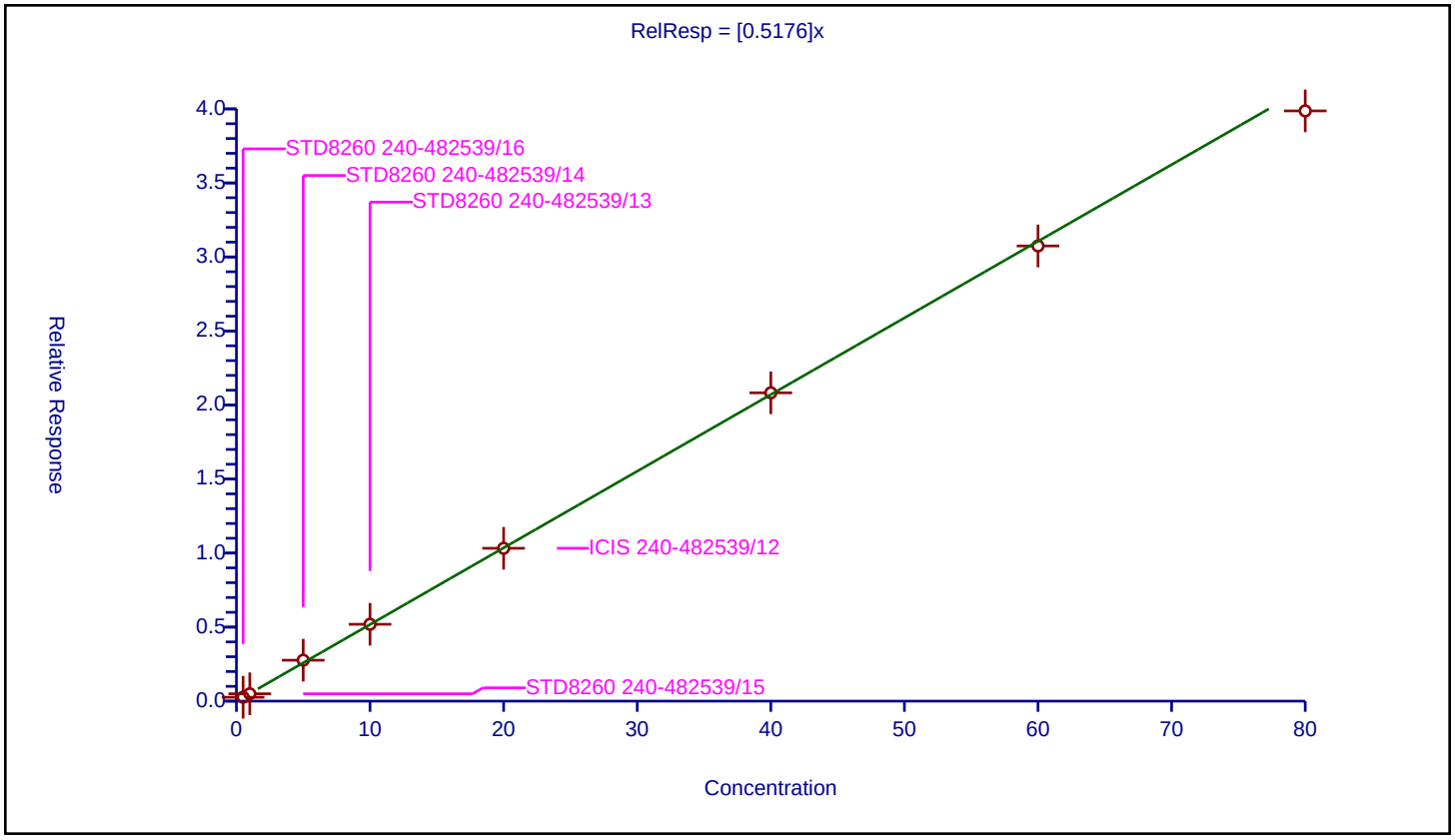
Curve Coefficients

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

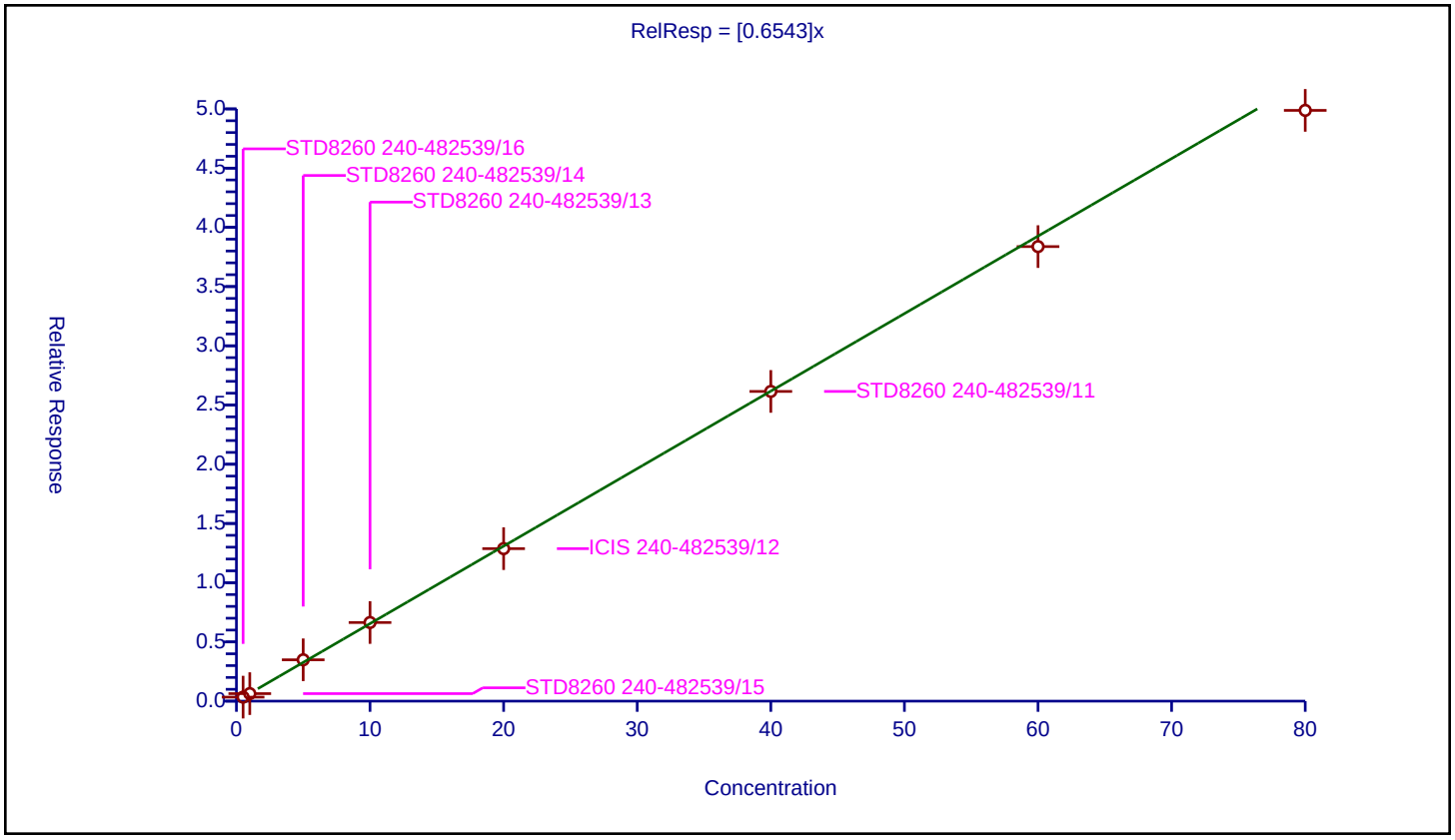
Curve Coefficients

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

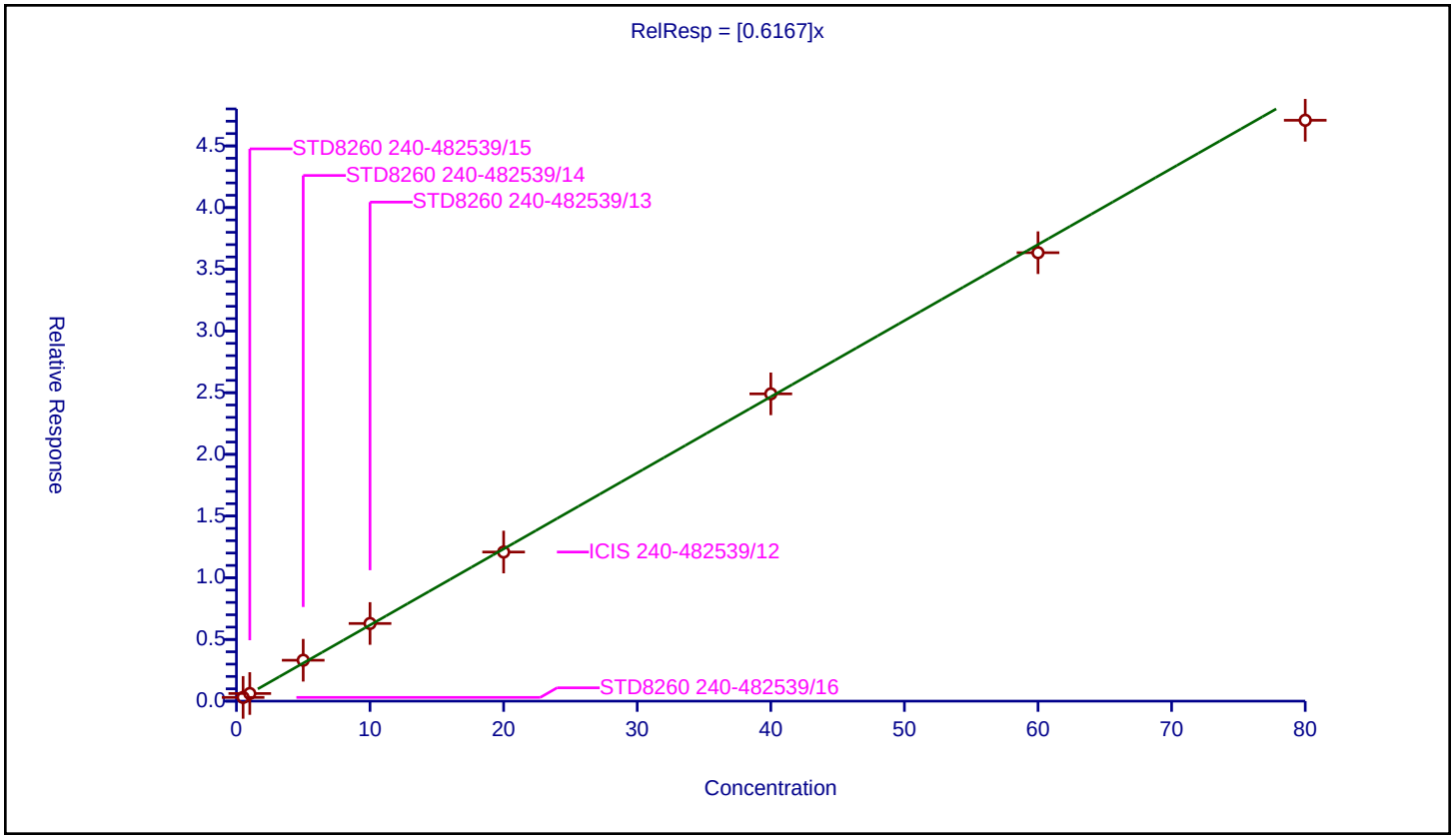
Curve Coefficients

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



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

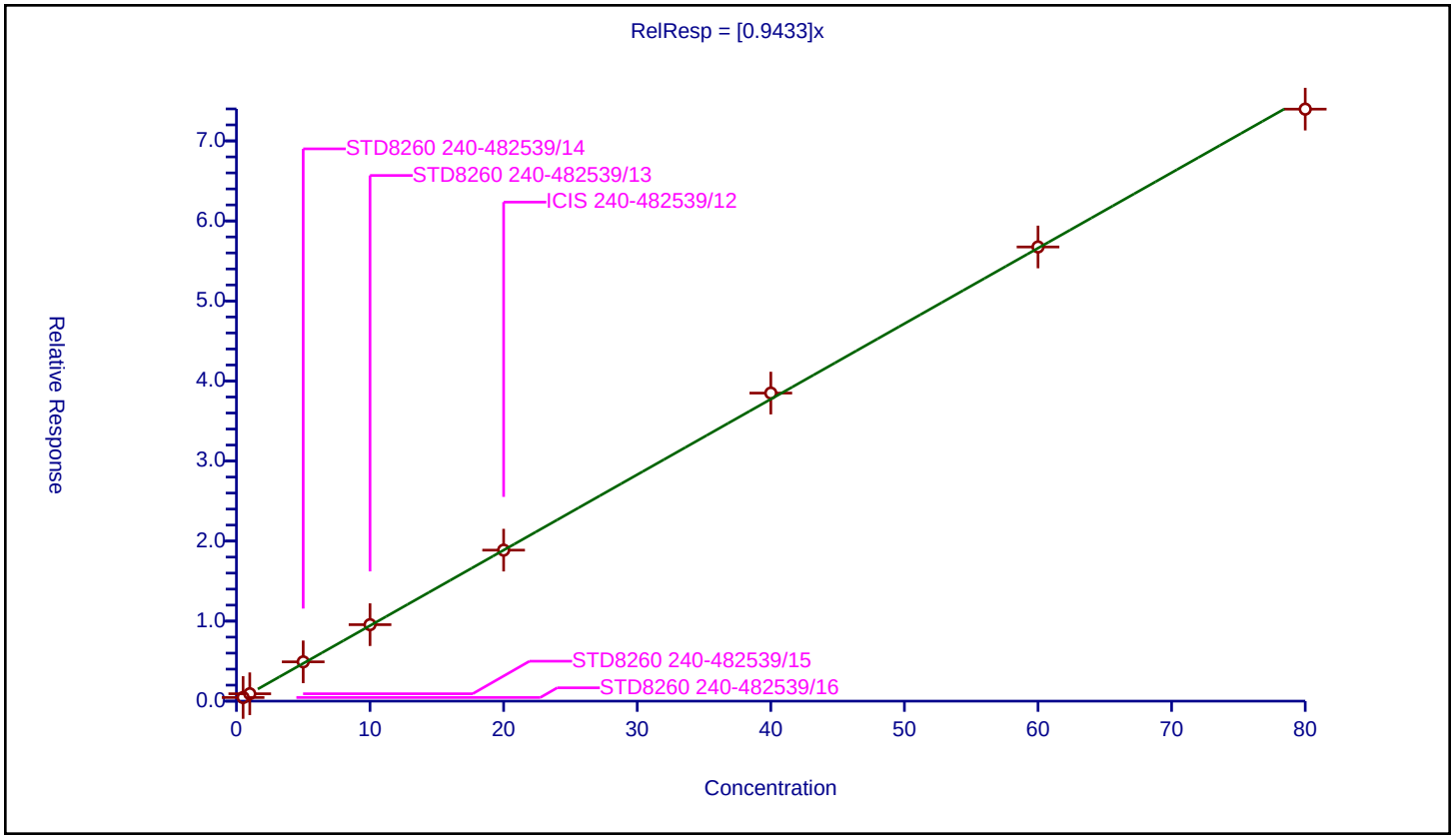
Curve Coefficients

Intercept:	0
Slope:	0.9433

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

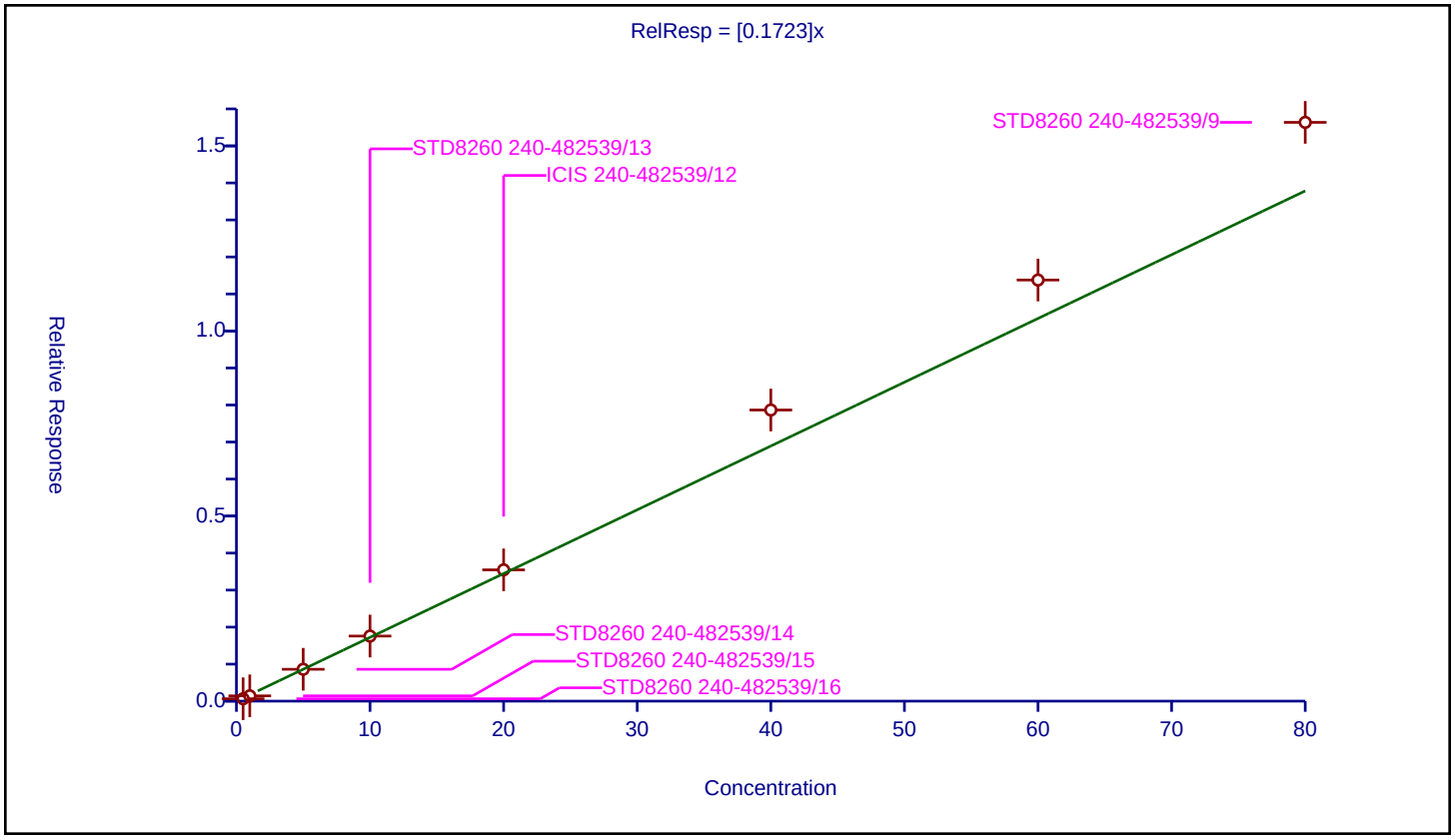
Curve Coefficients

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

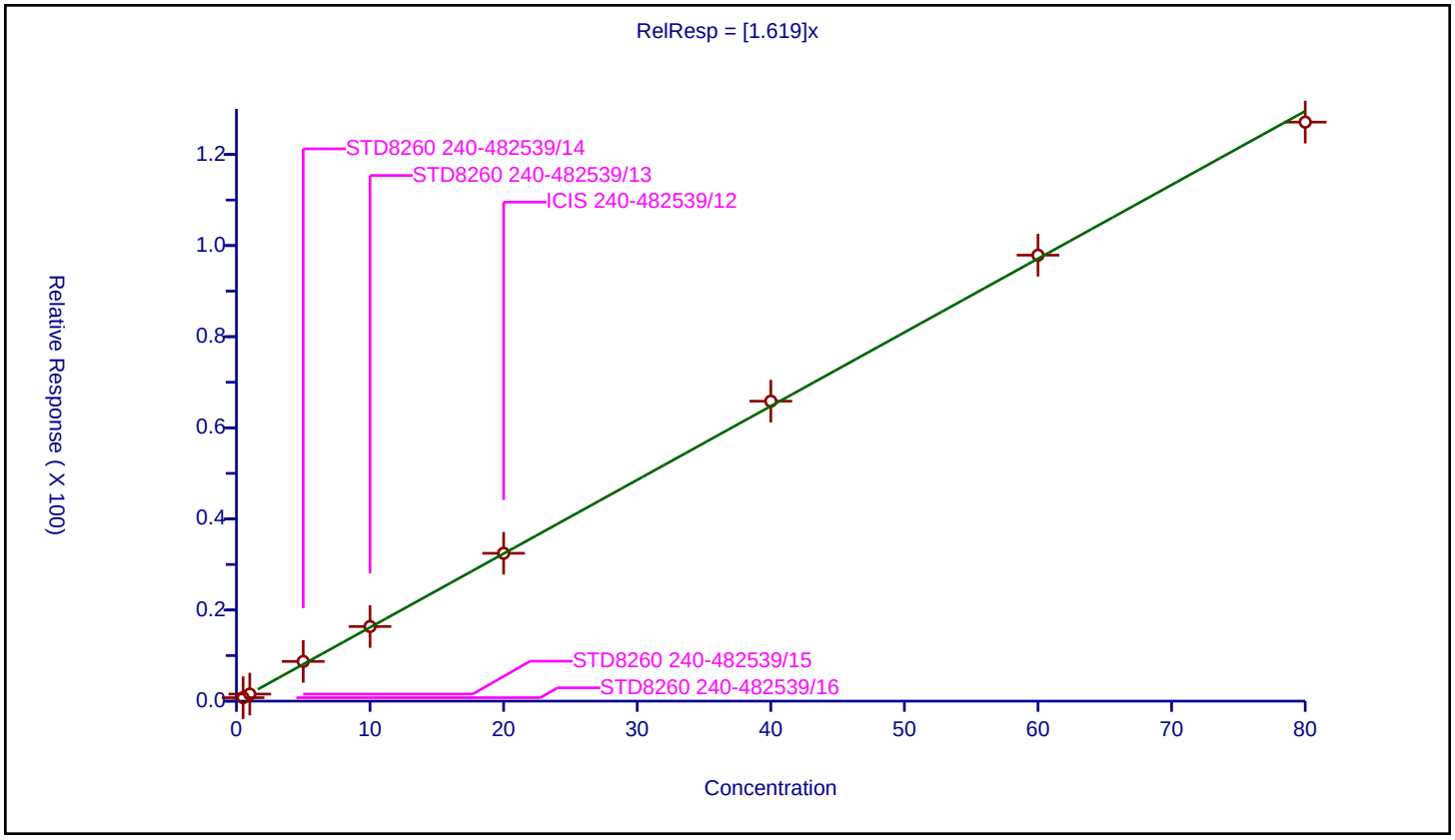
Curve Coefficients

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

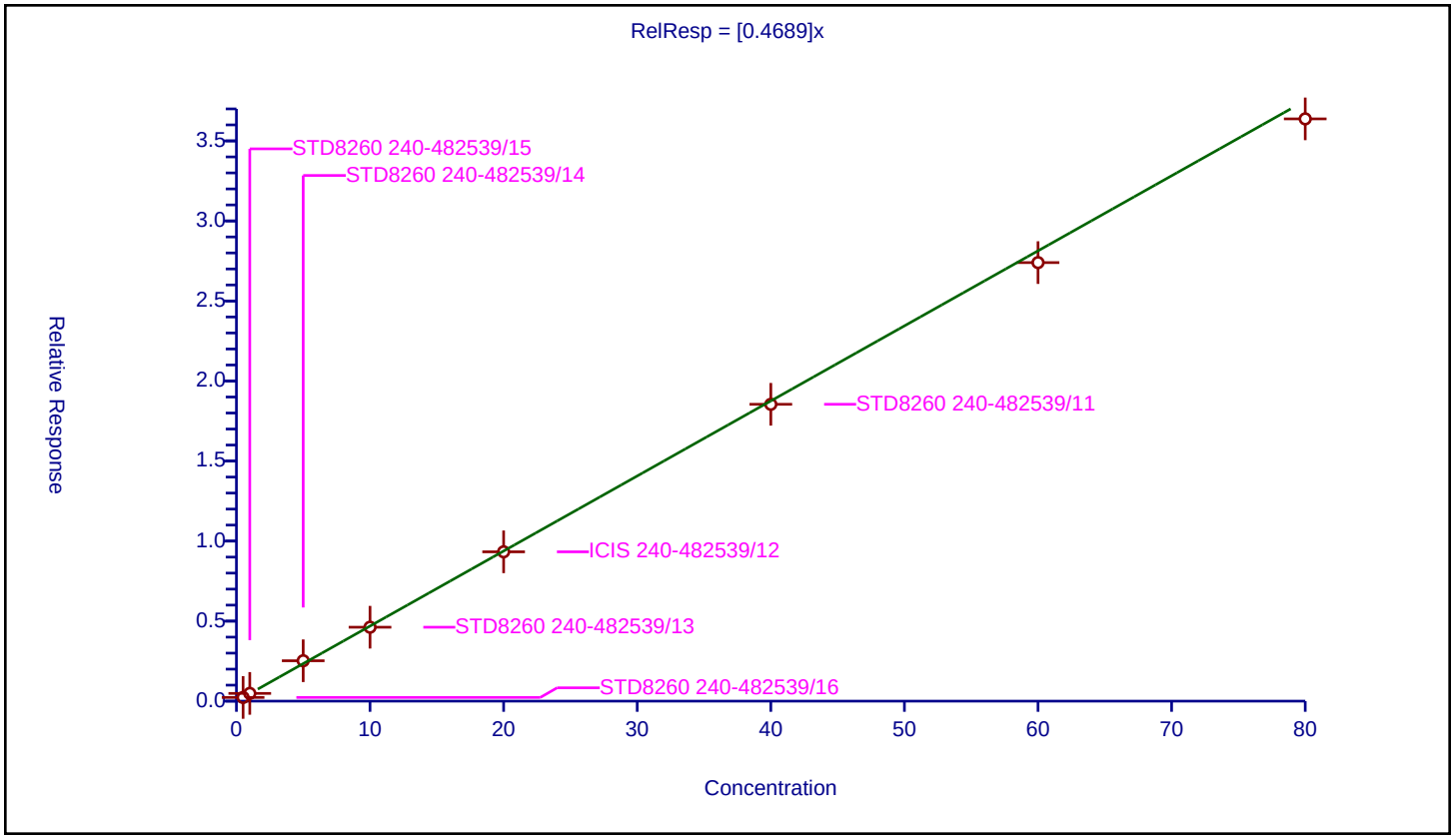
Curve Coefficients

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

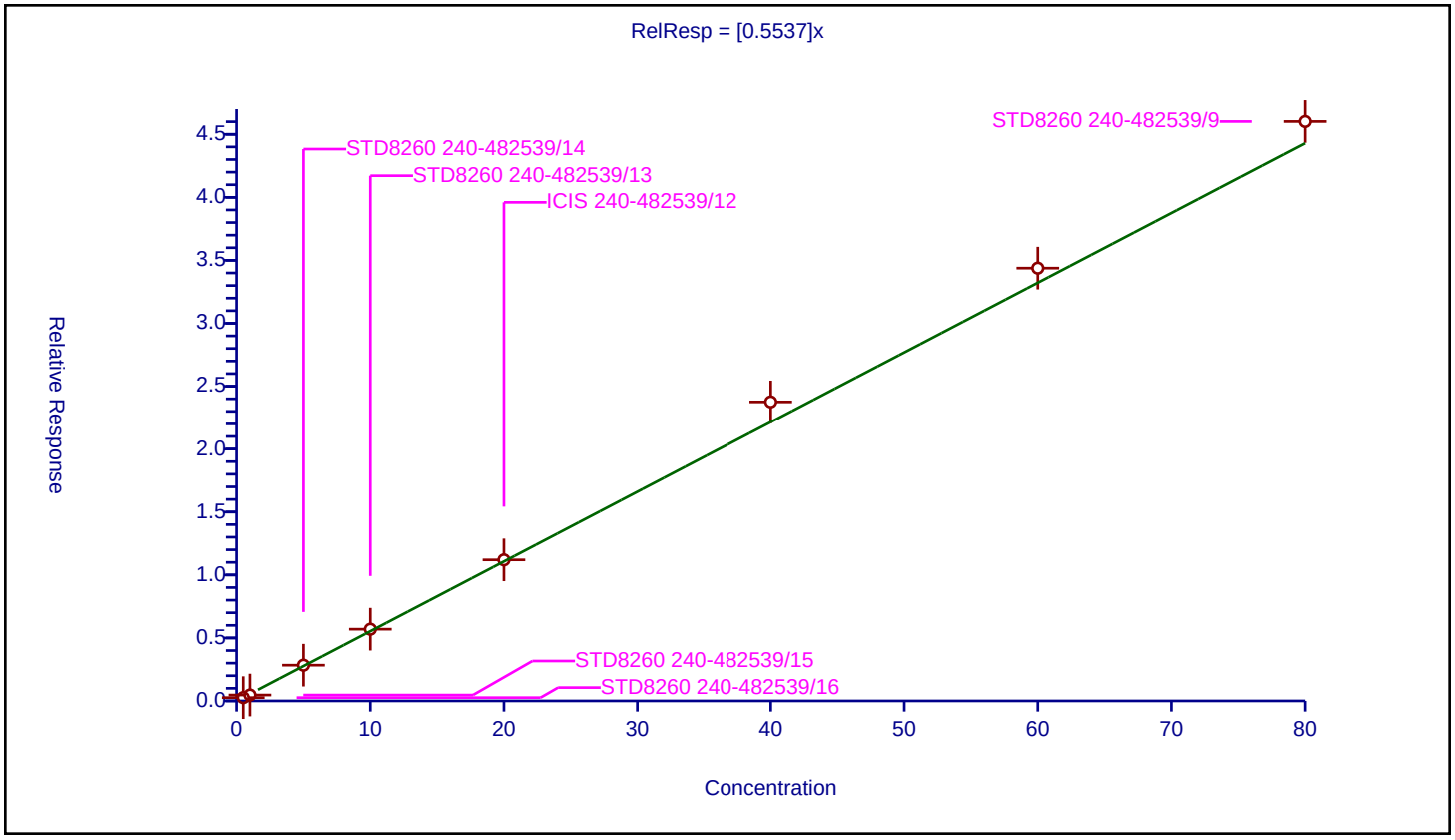
Curve Coefficients

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

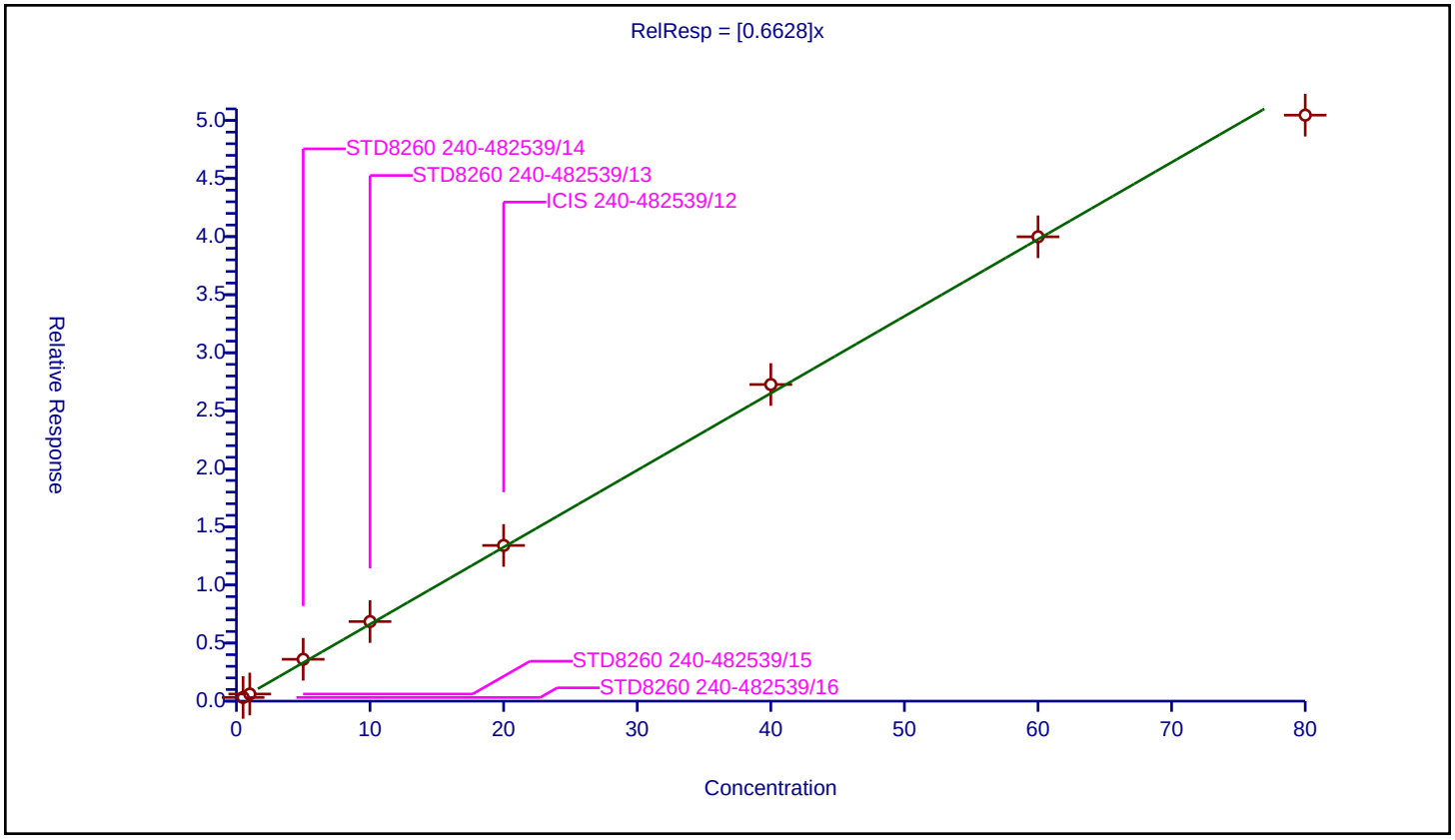
Curve Coefficients

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

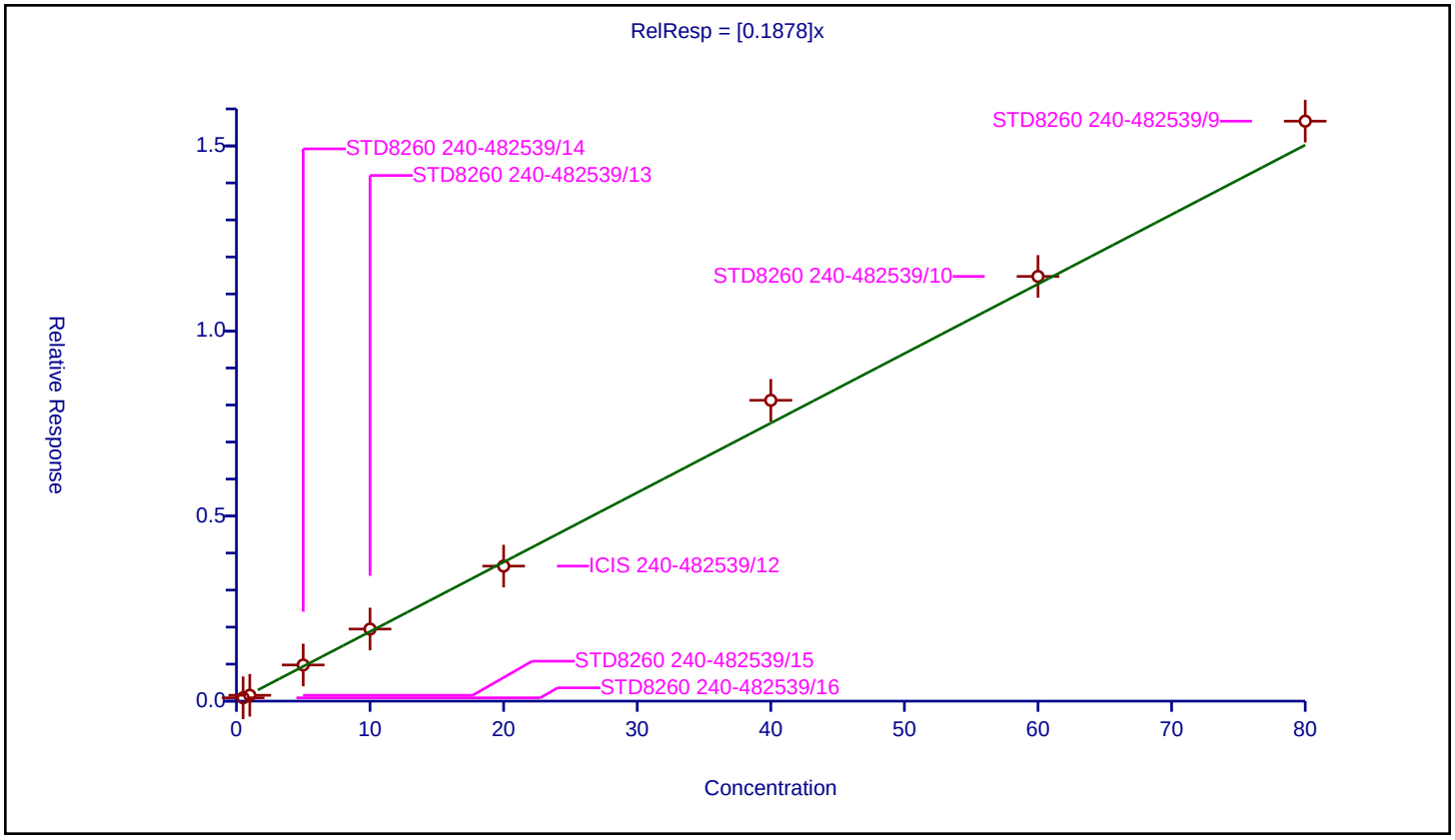
Curve Coefficients

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

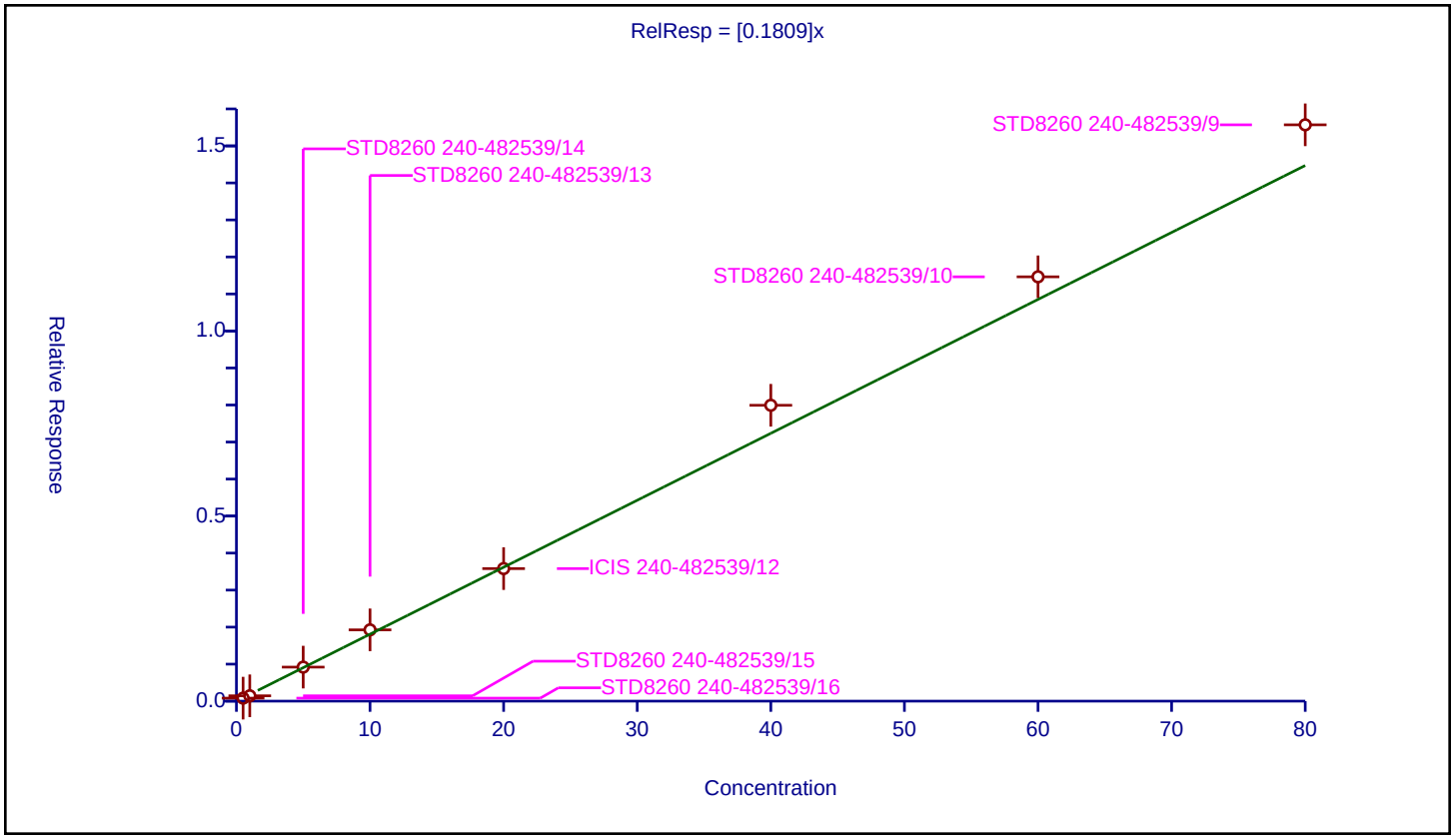
Curve Coefficients

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

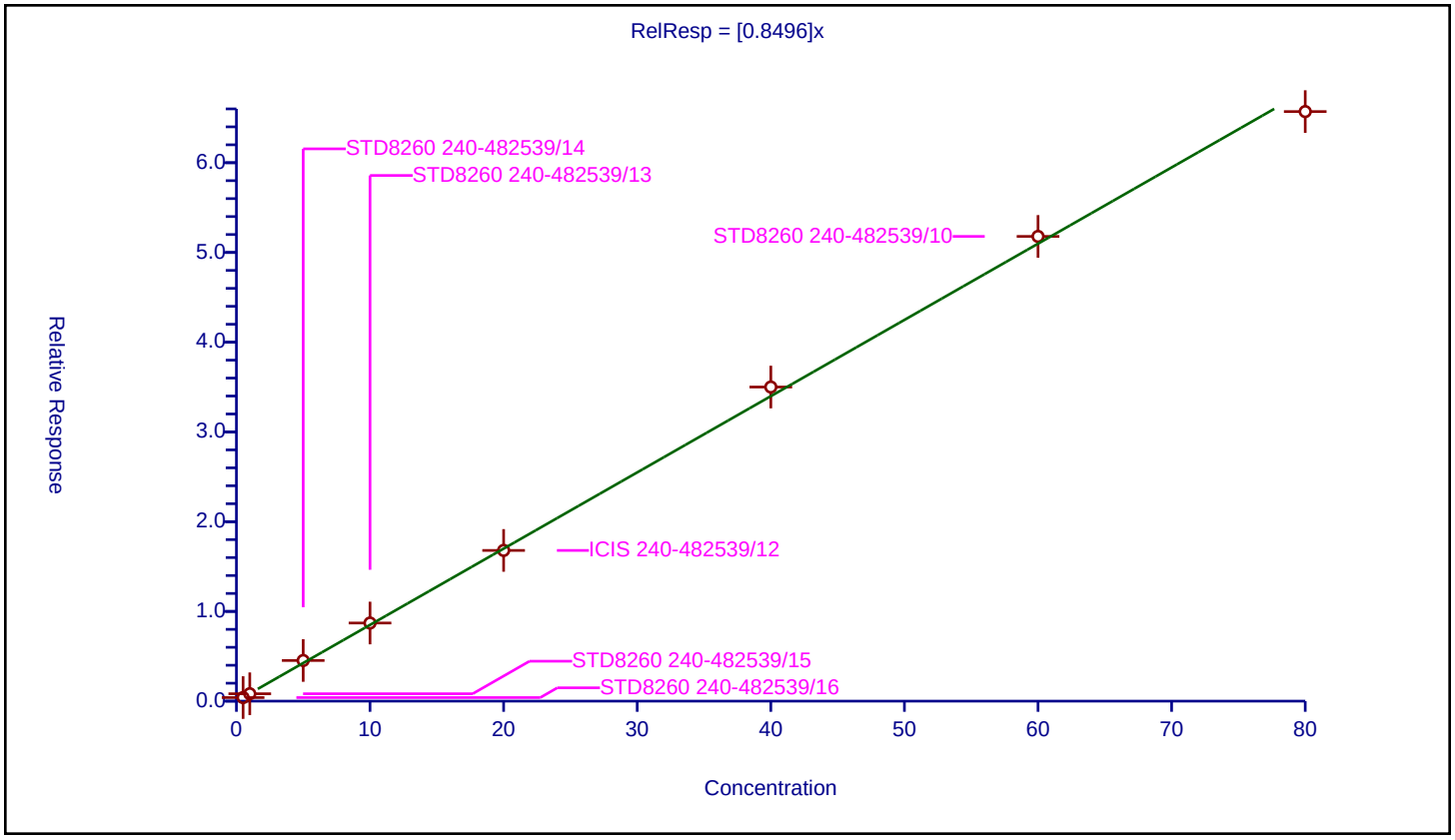
Curve Coefficients

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

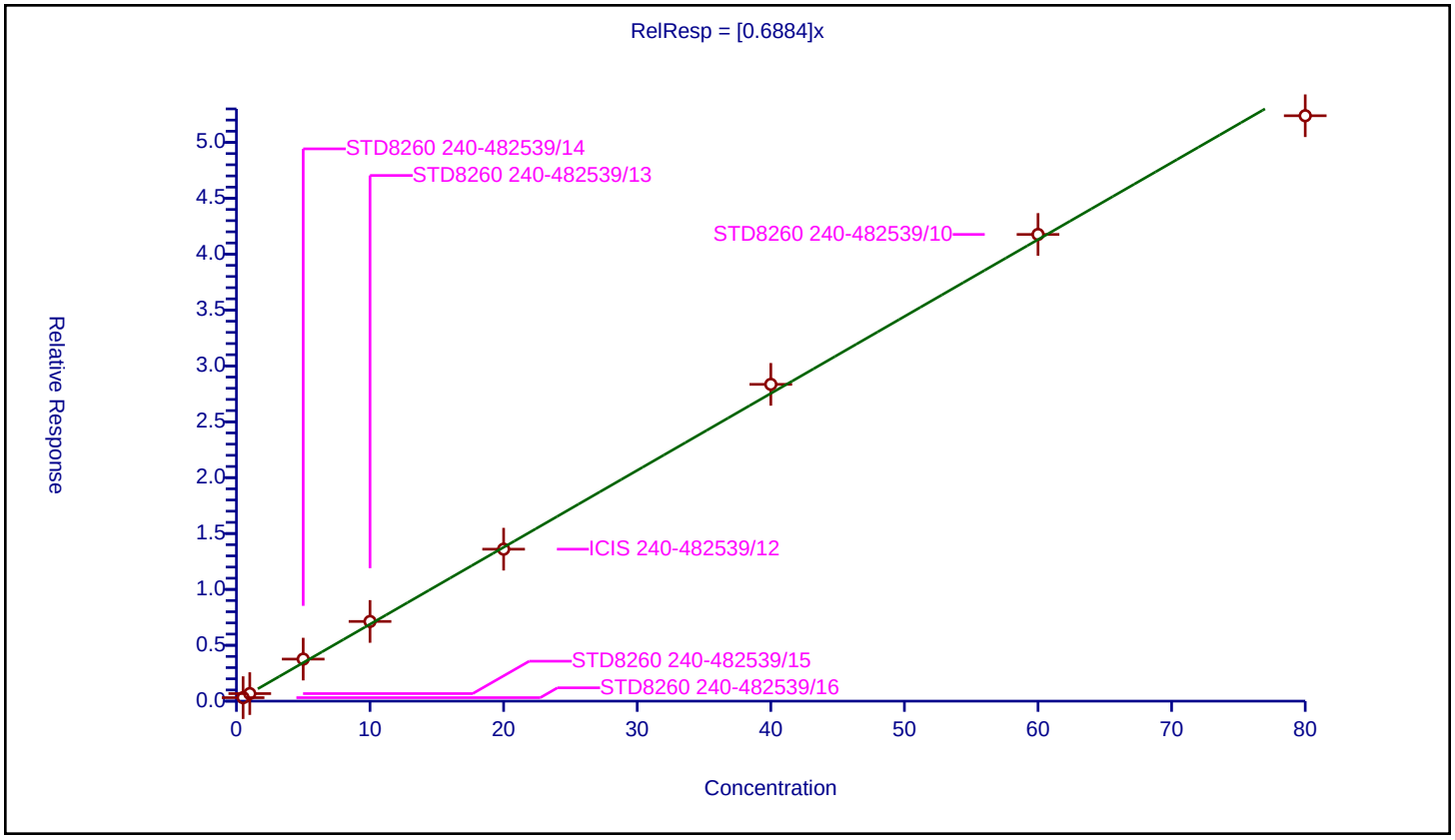
Curve Coefficients

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

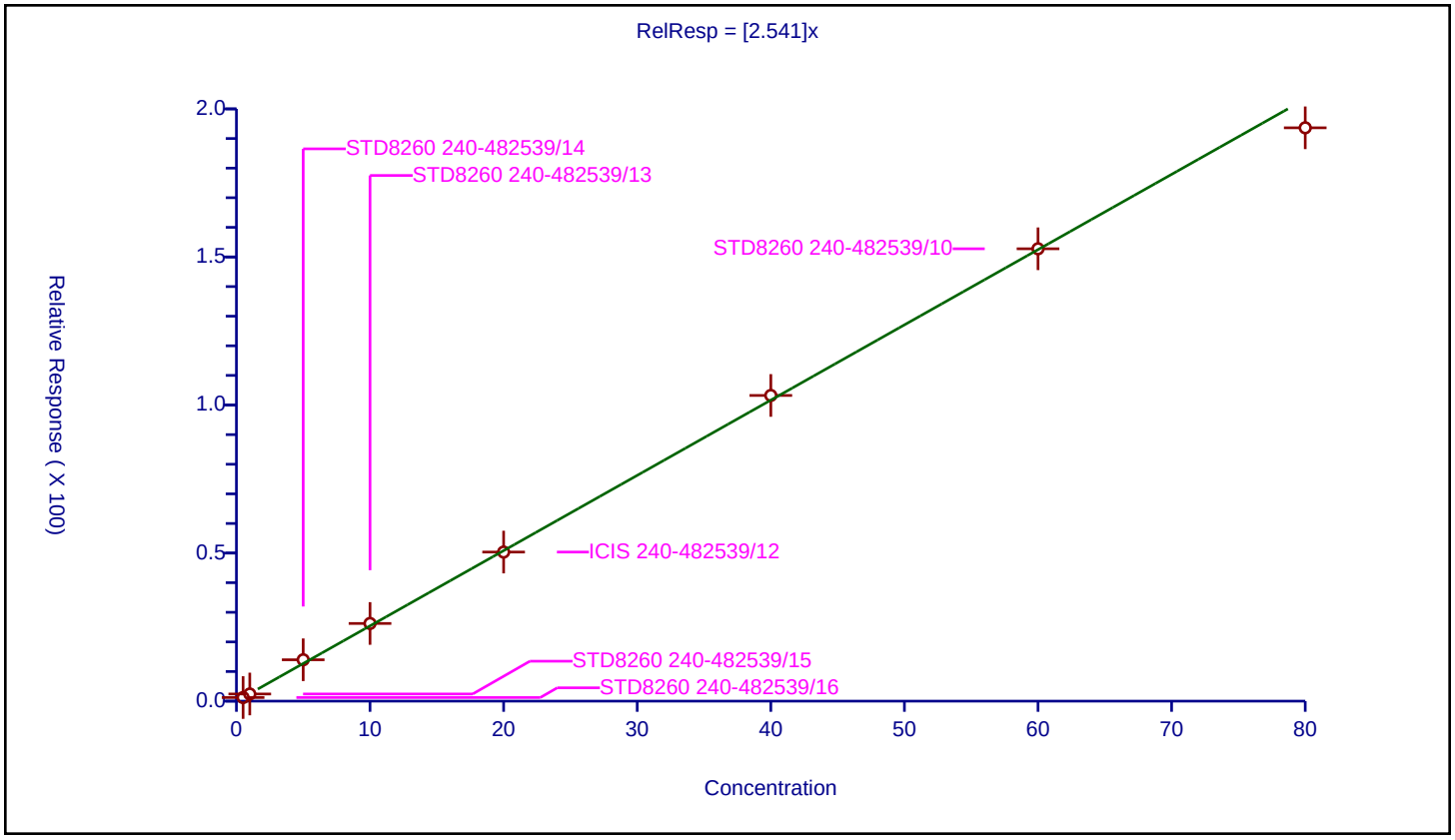
Curve Coefficients

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

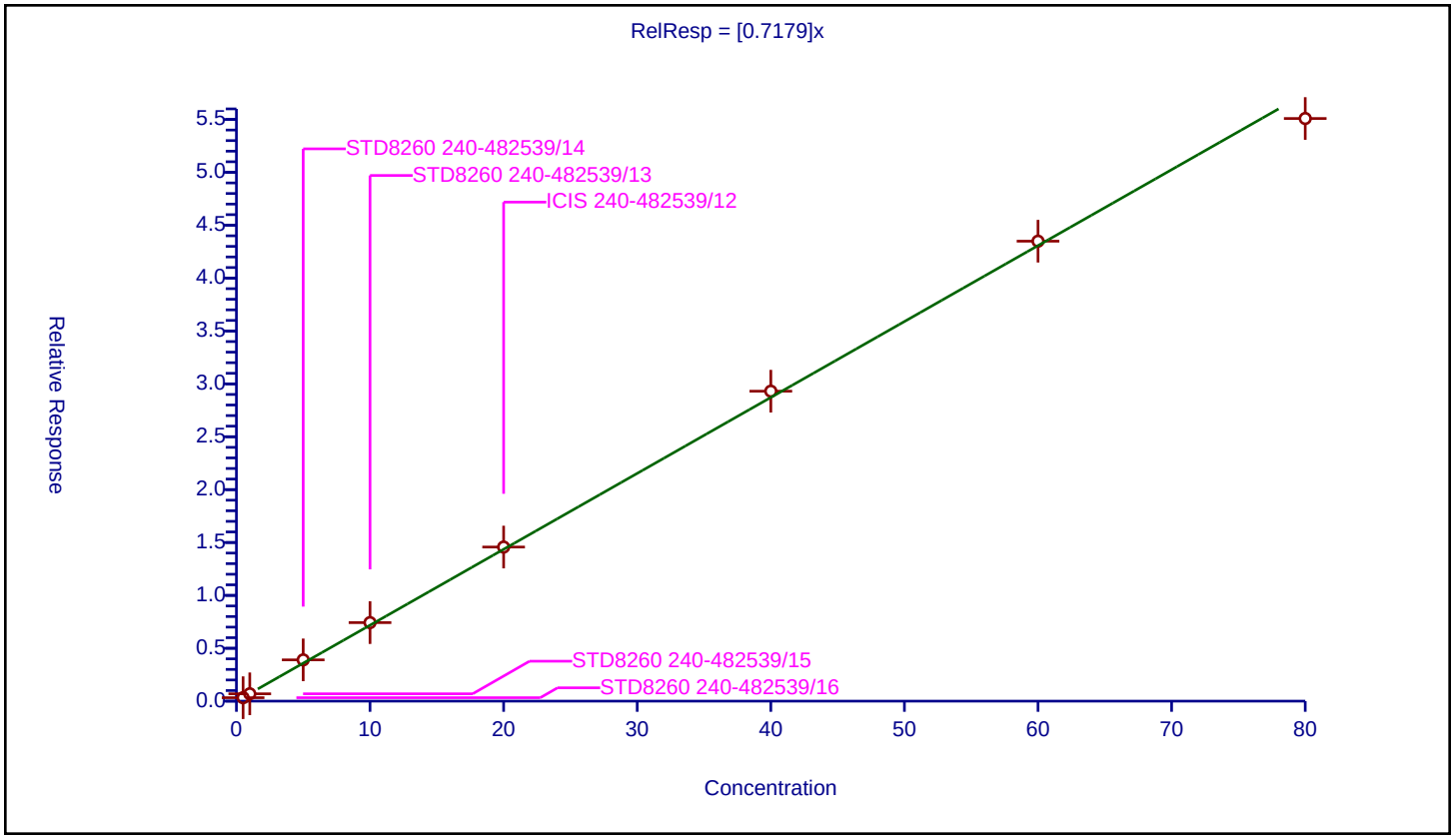
Curve Coefficients

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

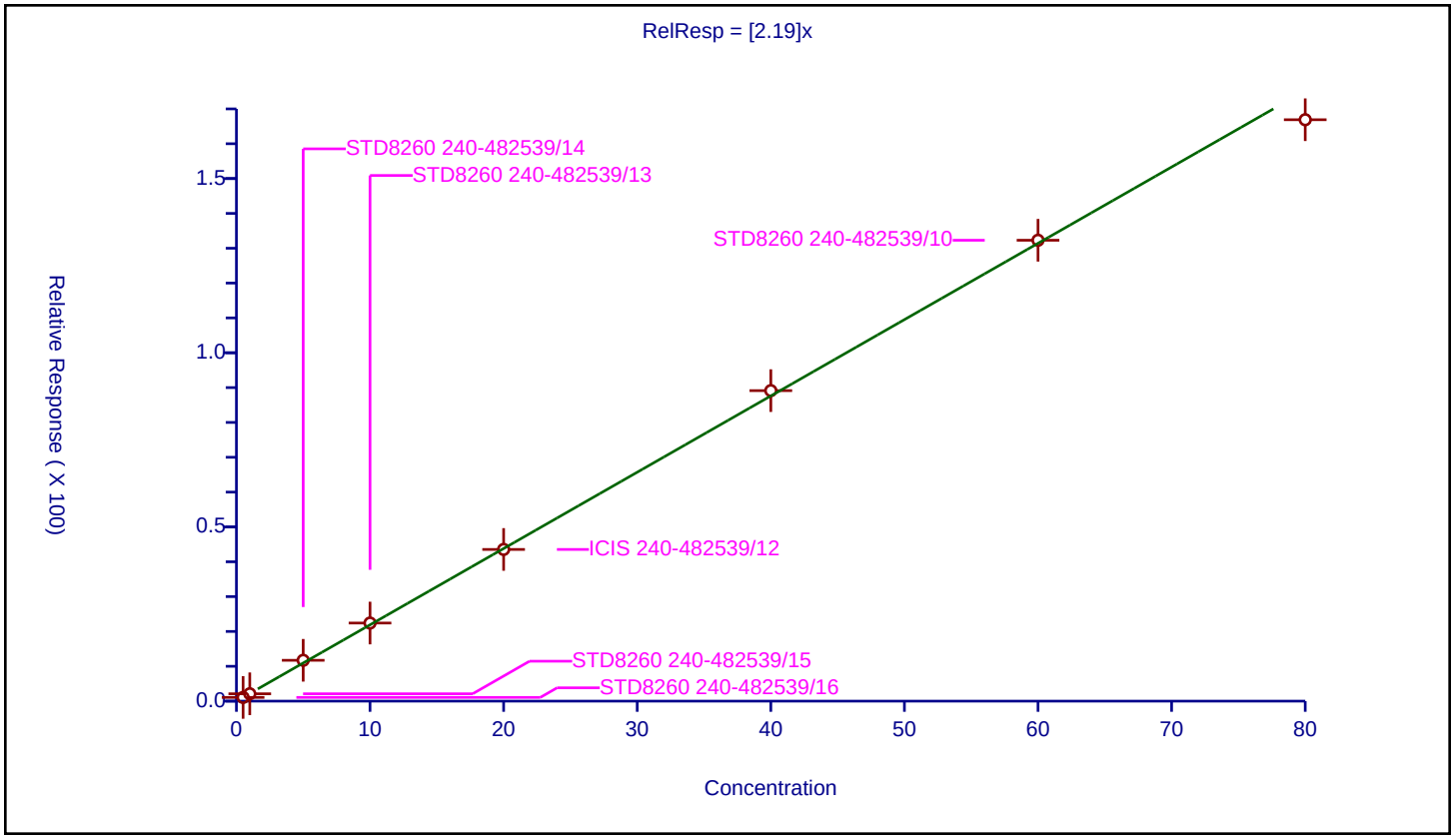
Curve Coefficients

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

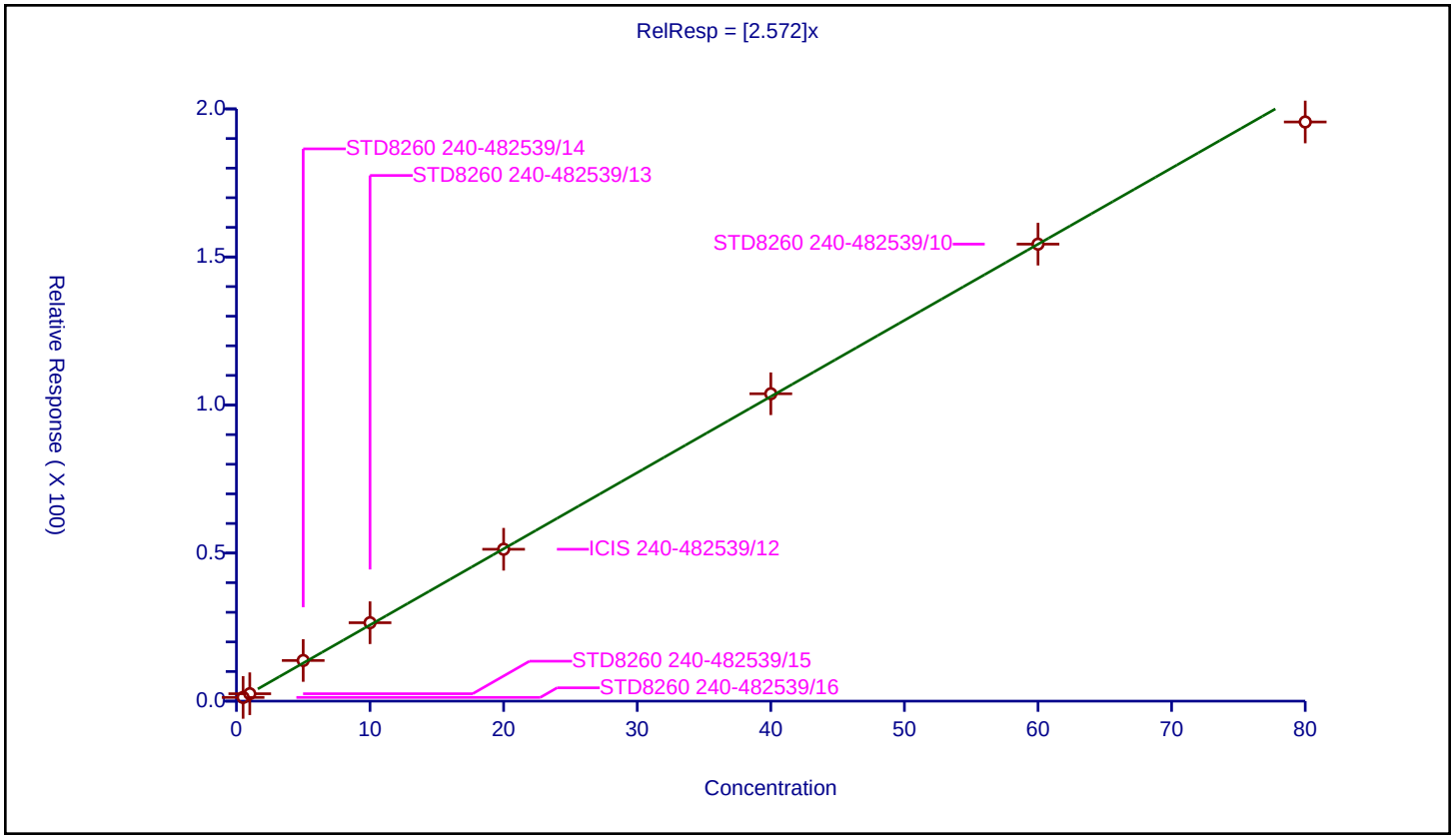
Curve Coefficients

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

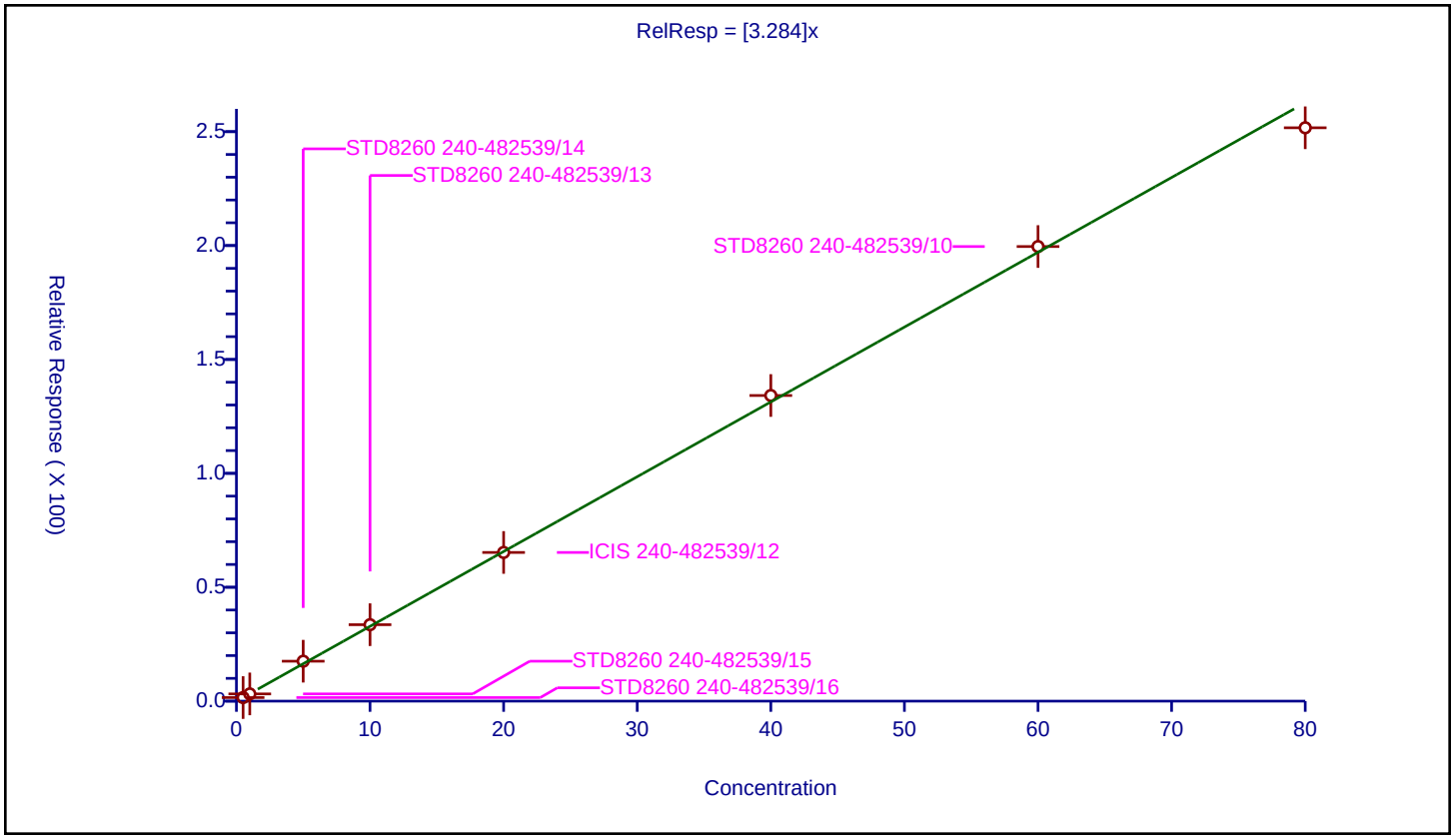
Curve Coefficients

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

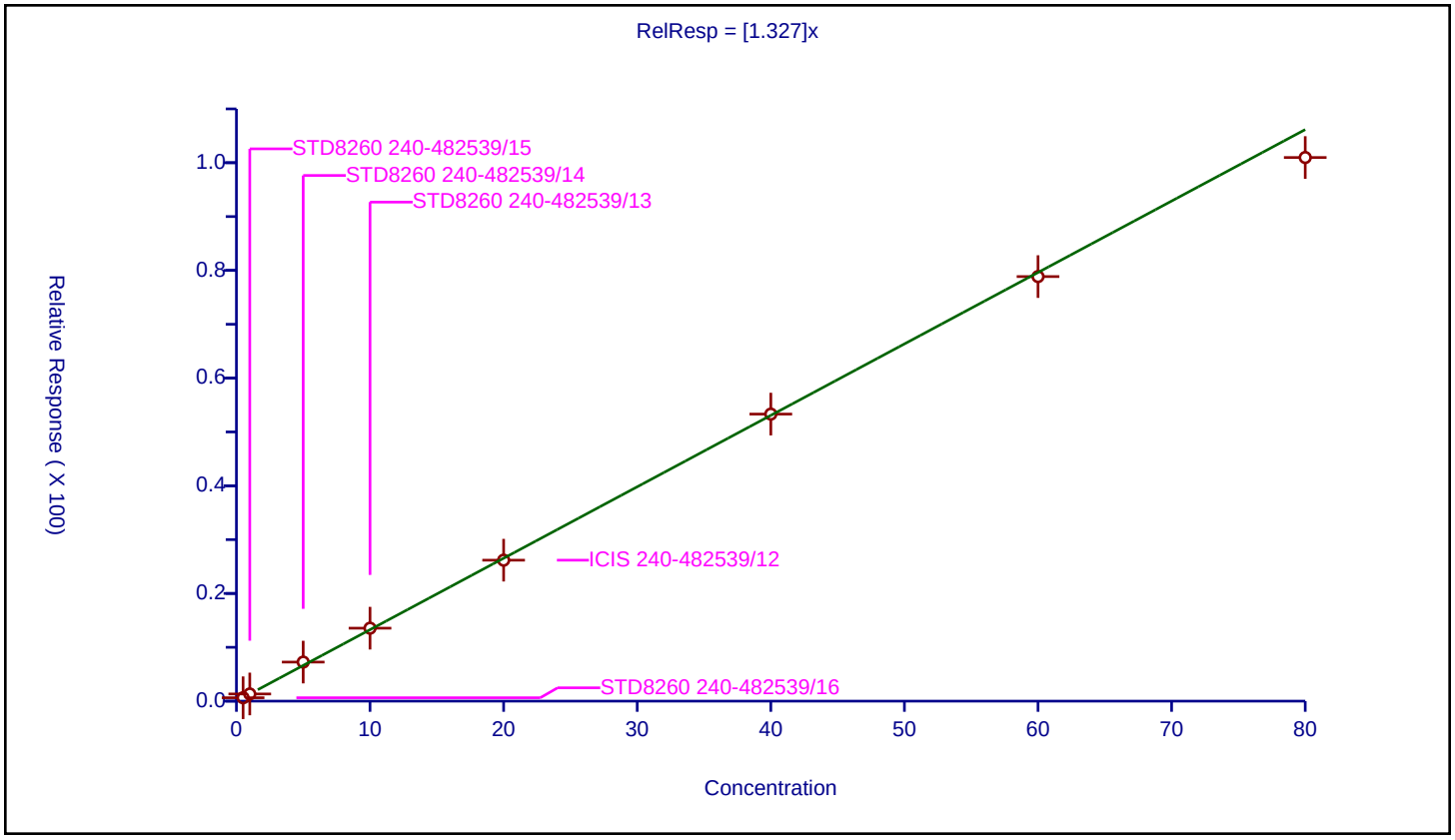
Curve Coefficients

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

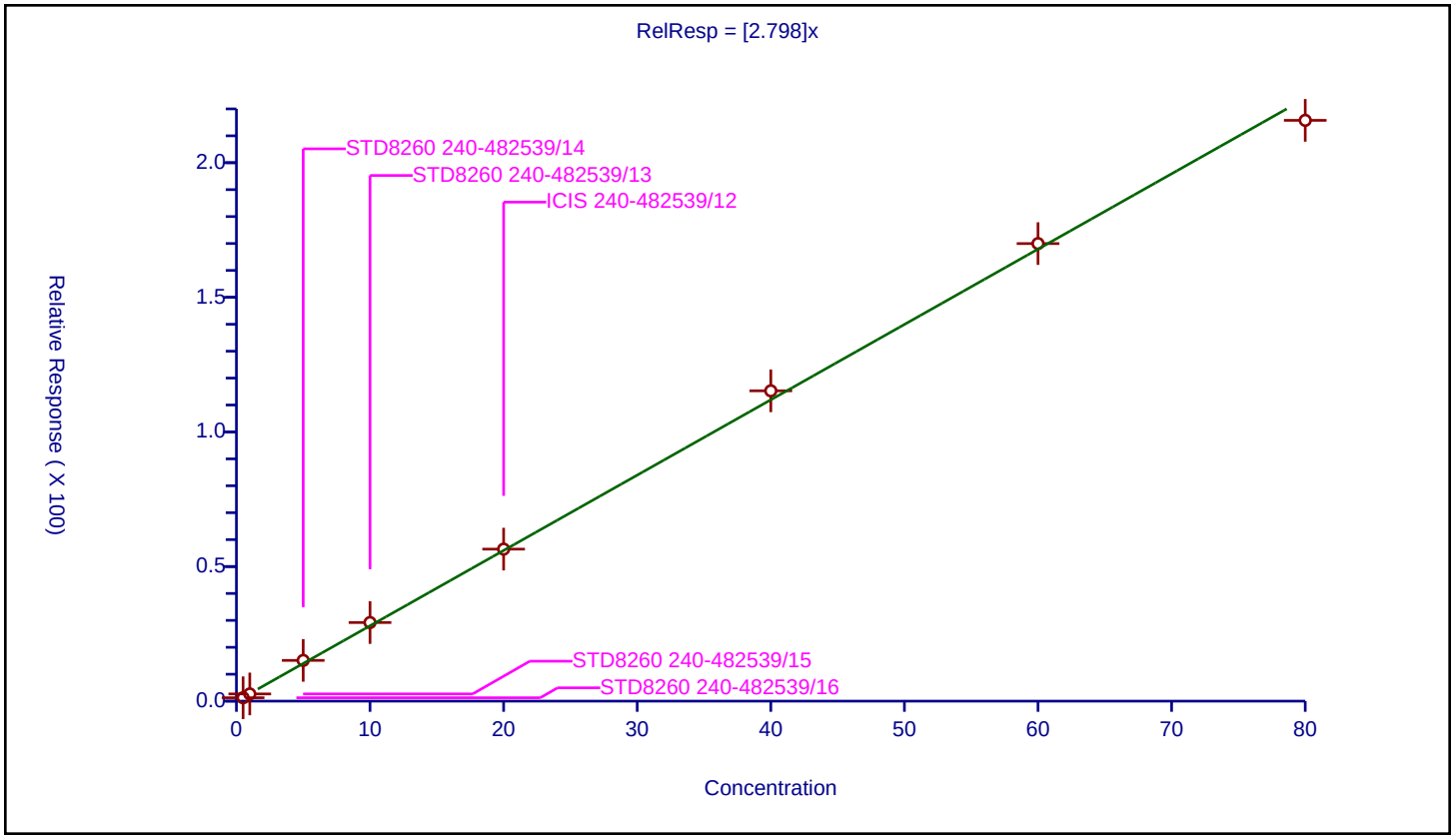
Curve Coefficients

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

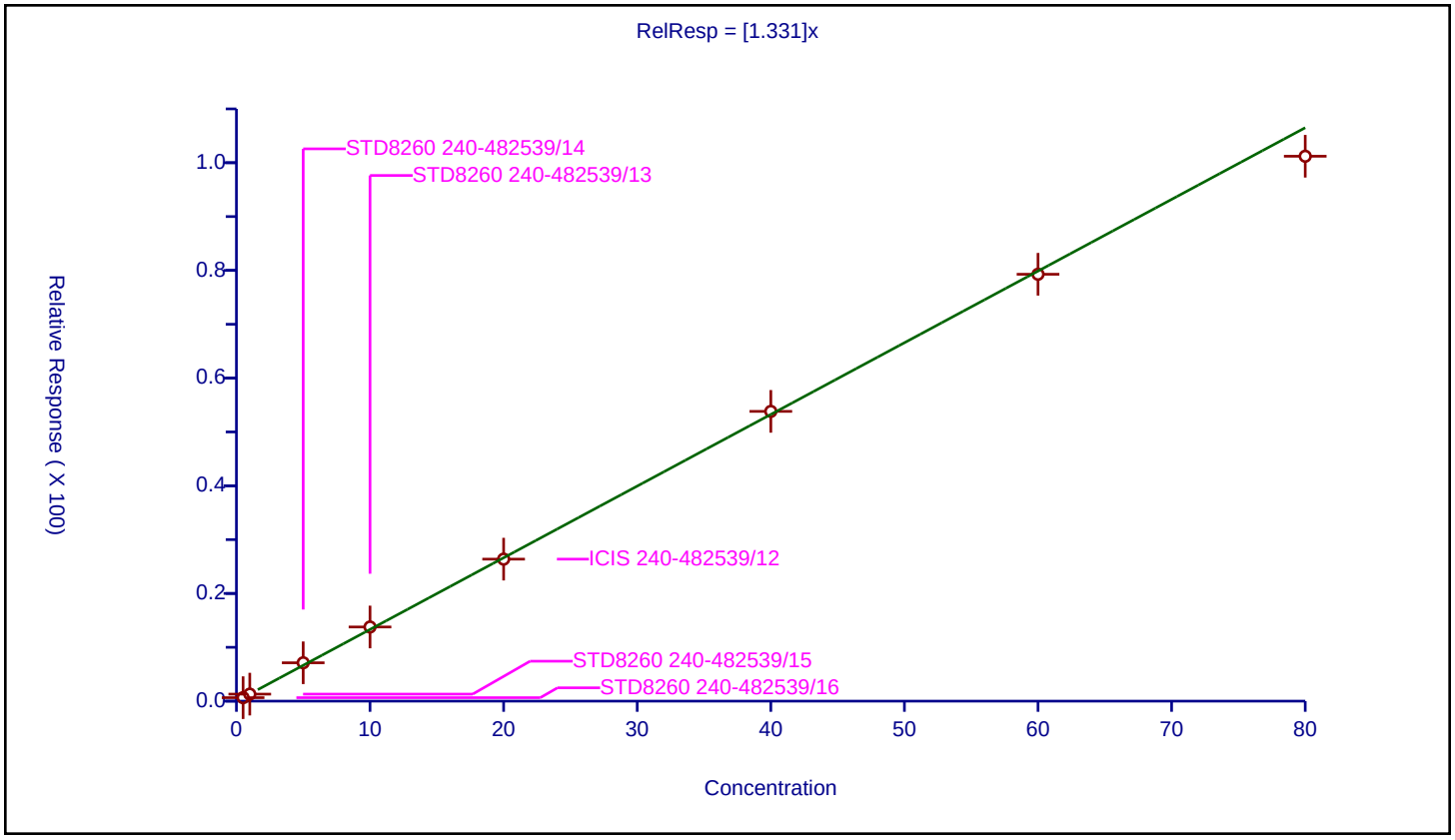
Curve Coefficients

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

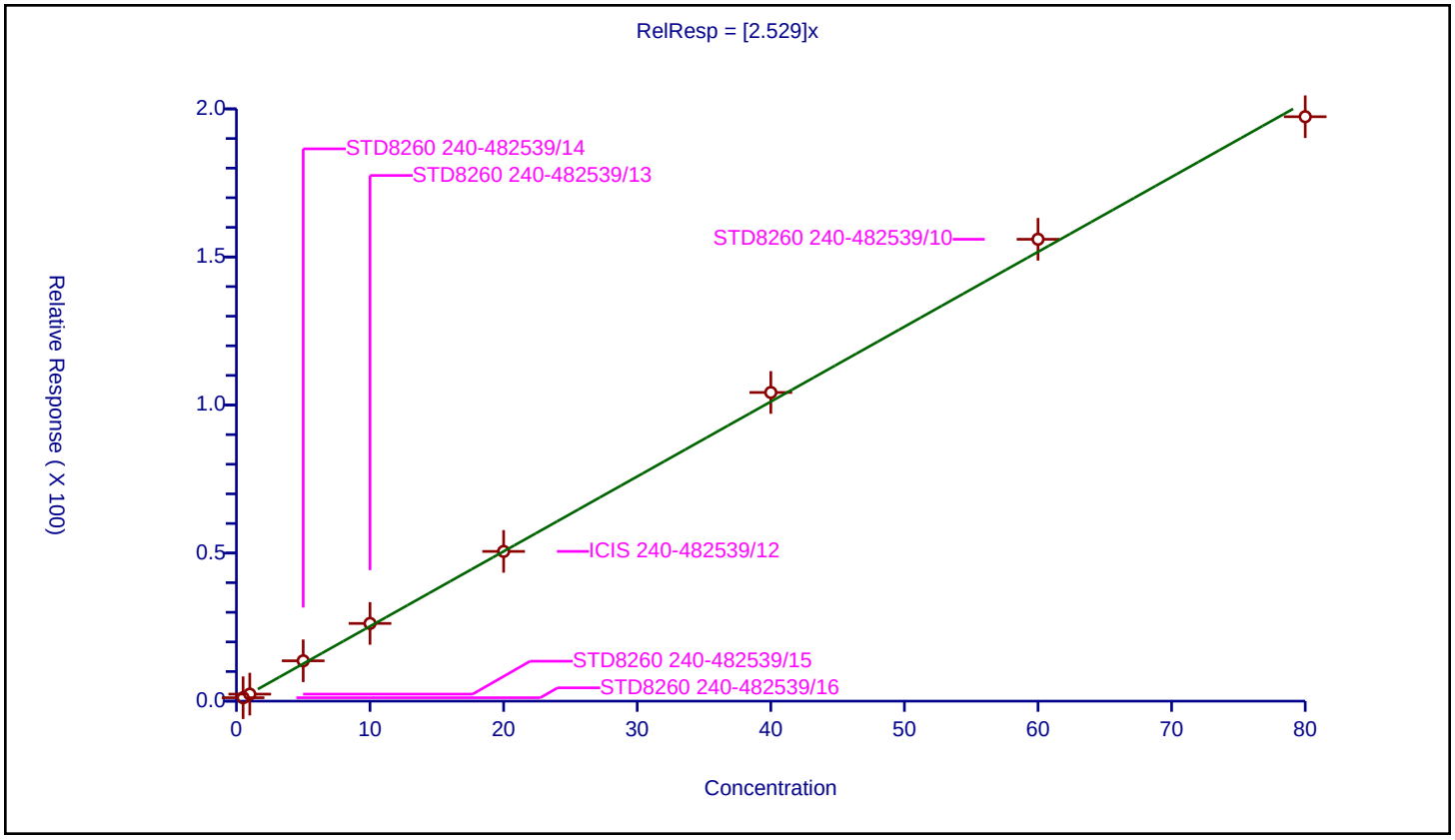
Curve Coefficients

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

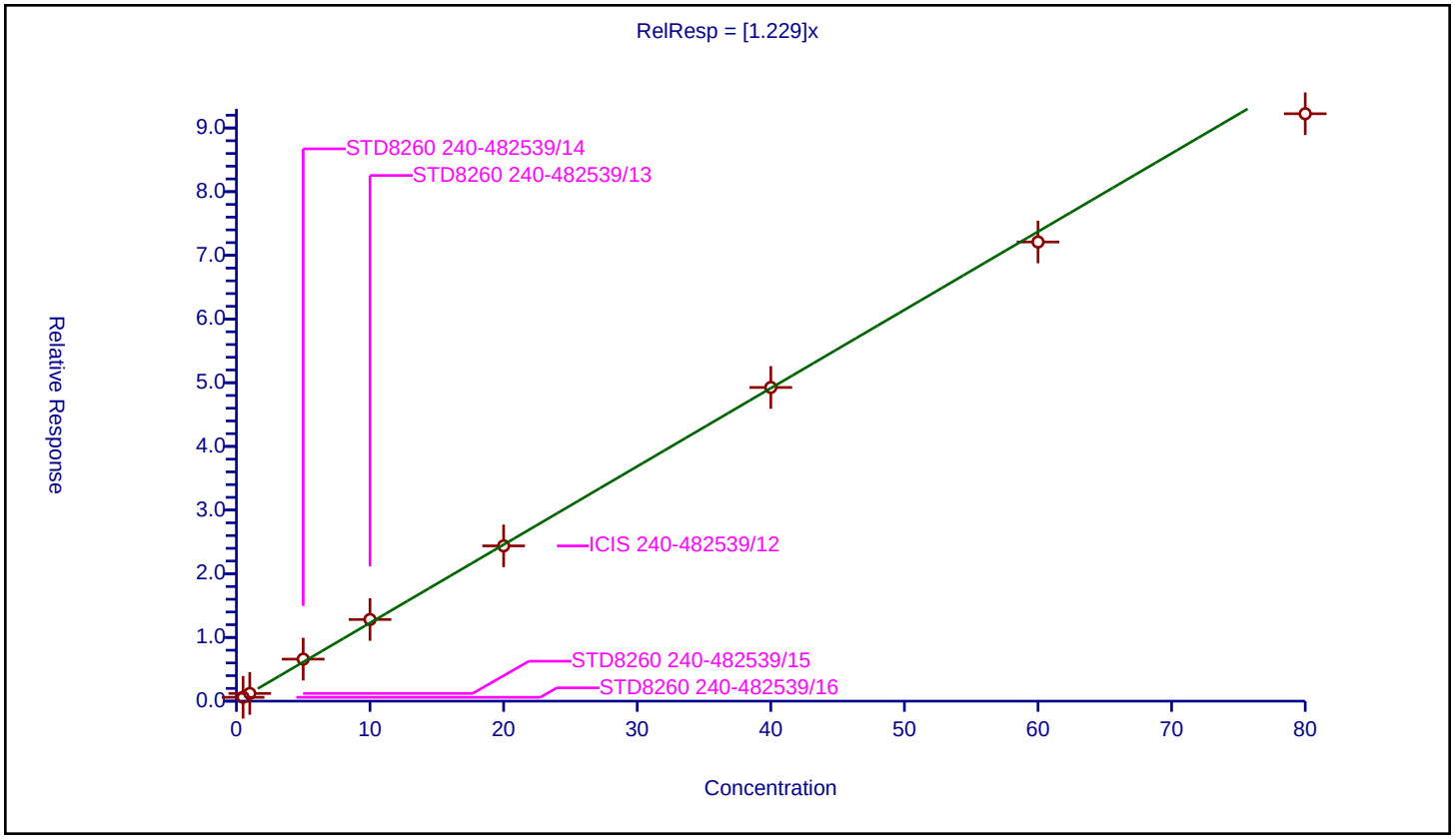
Curve Coefficients

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

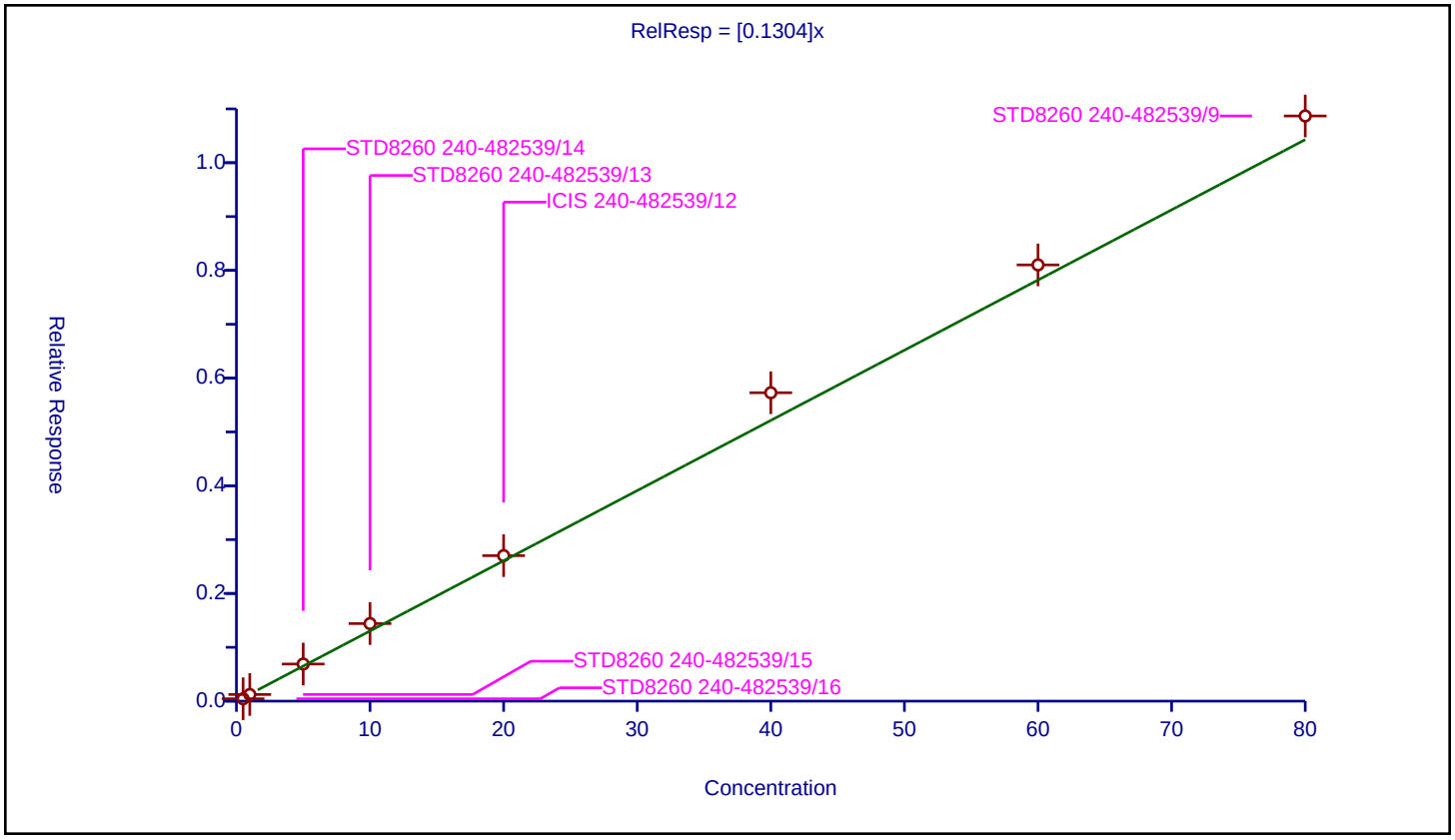
Curve Coefficients

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

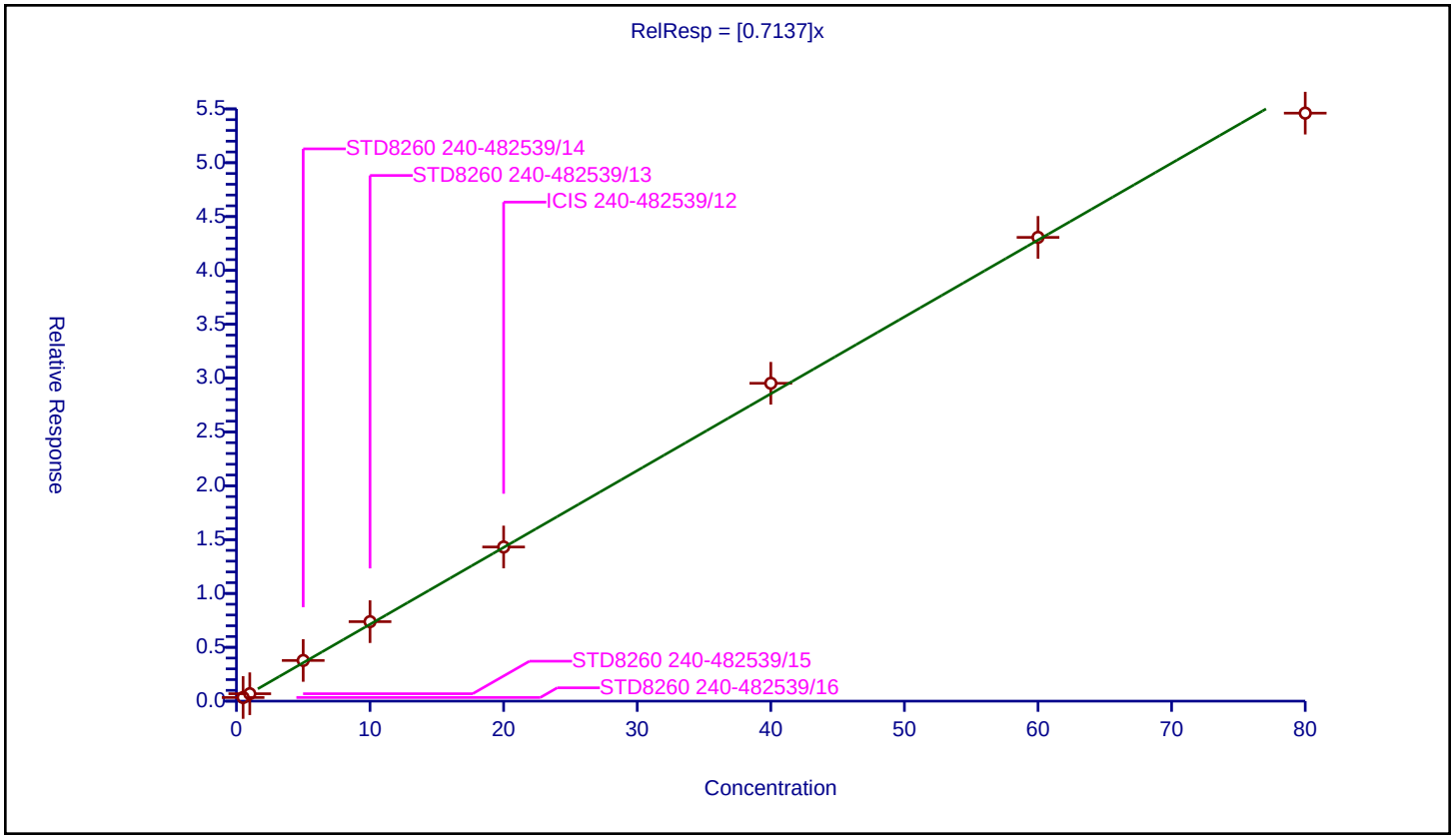
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

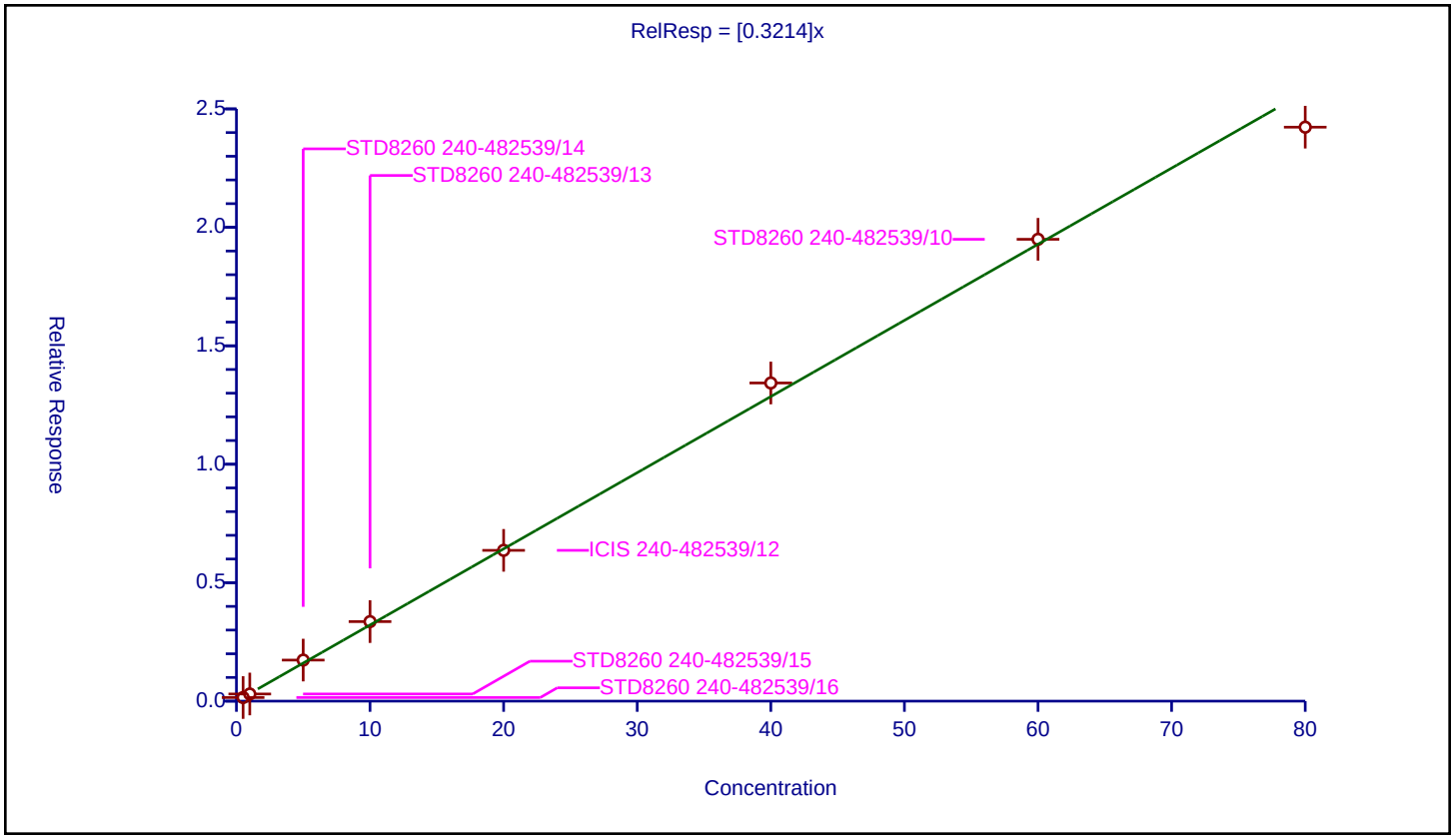
Curve Coefficients

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

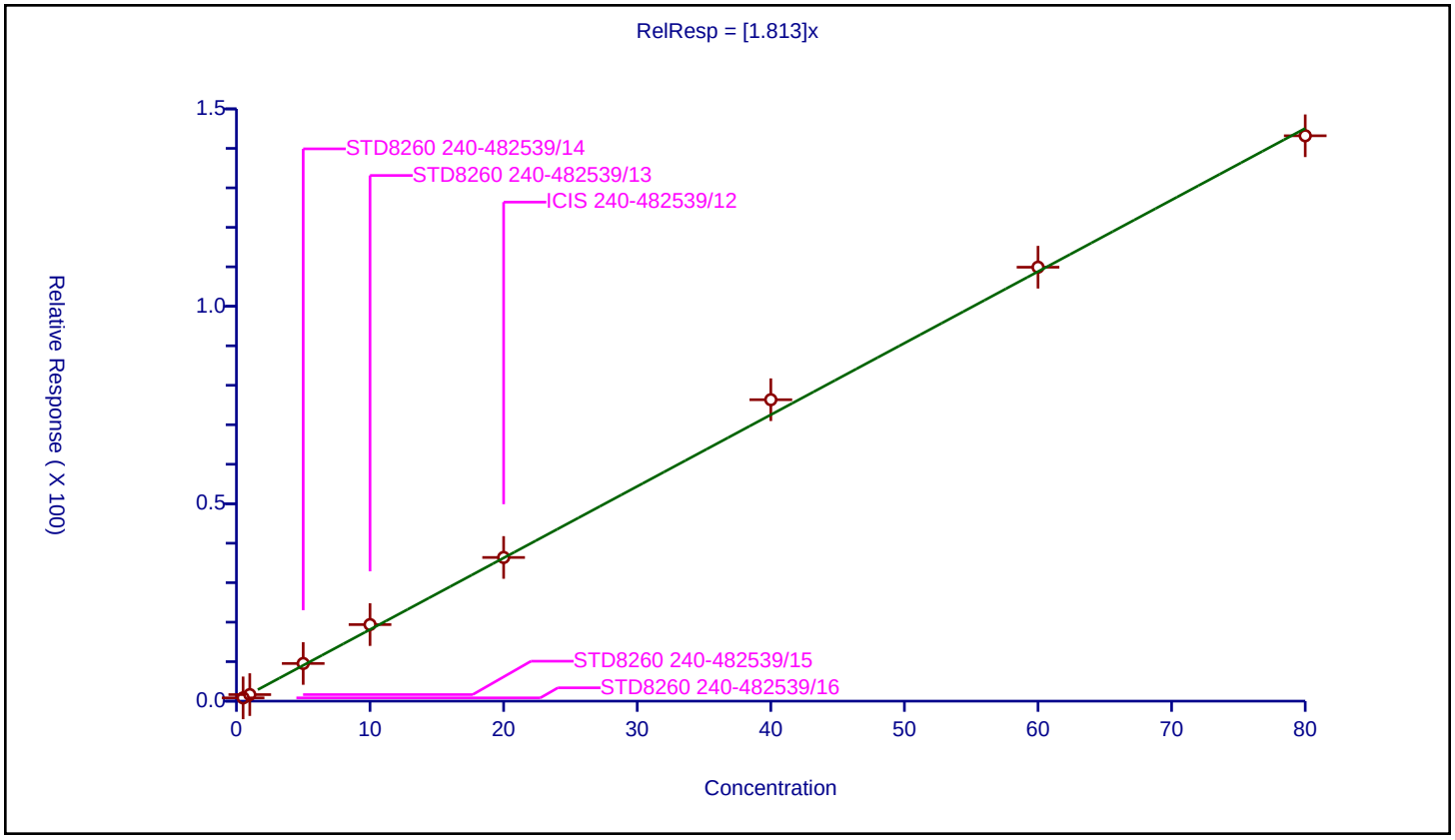
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

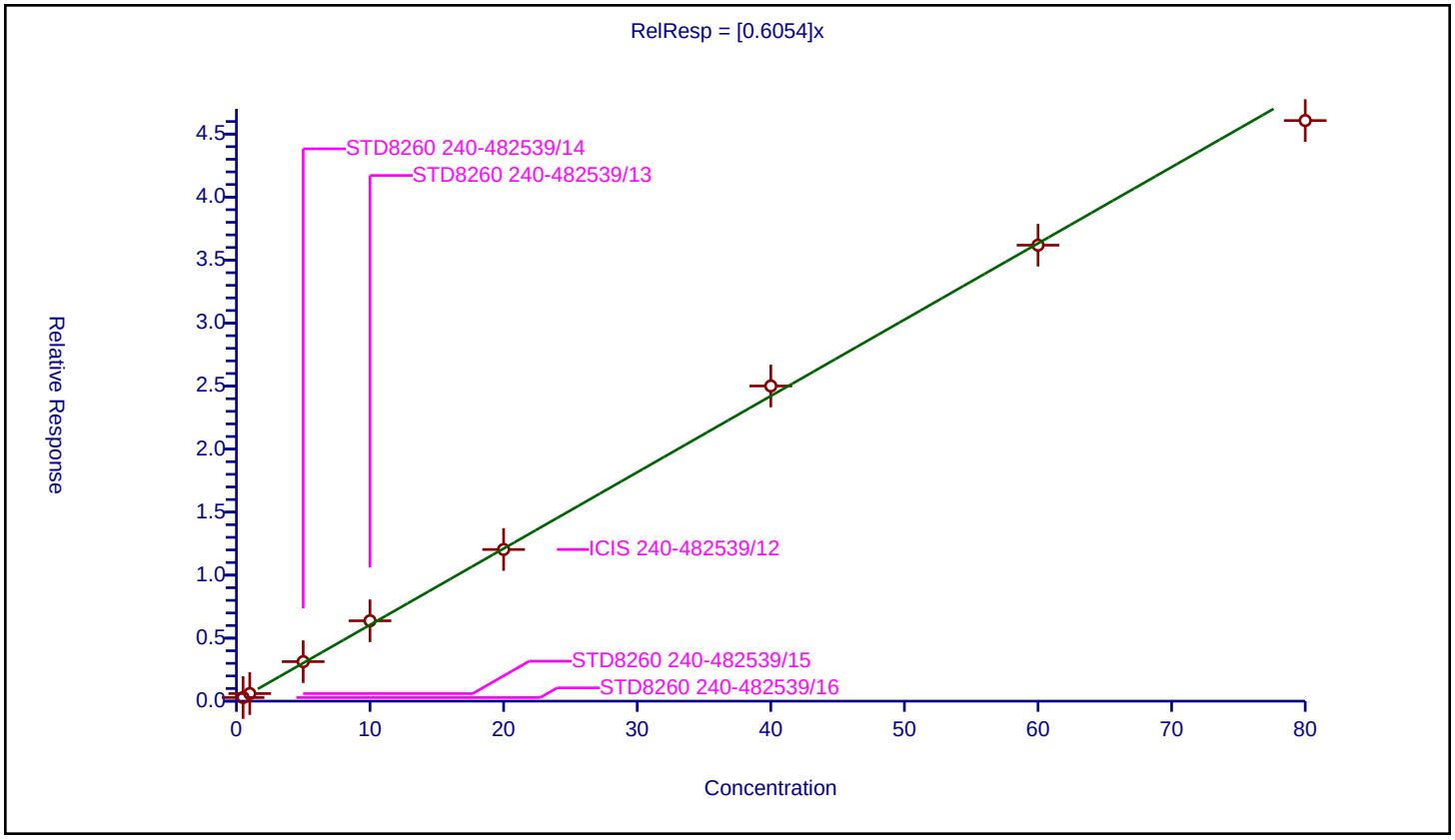
Curve Coefficients

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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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

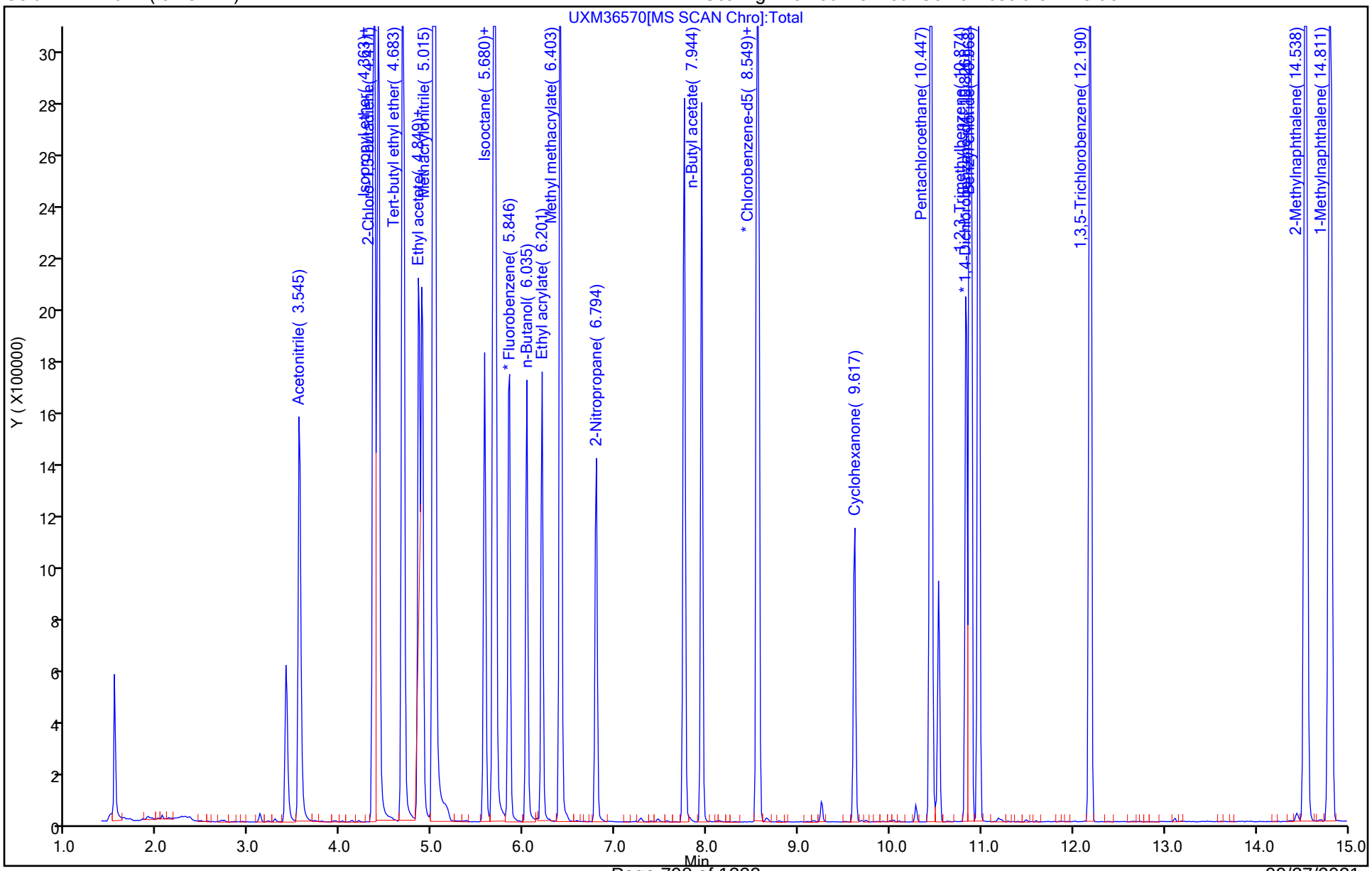
Report Date: 26-Apr-2021 08:34:43 Chrom Revision: 2.3 08-Apr-2021 17:17:48

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

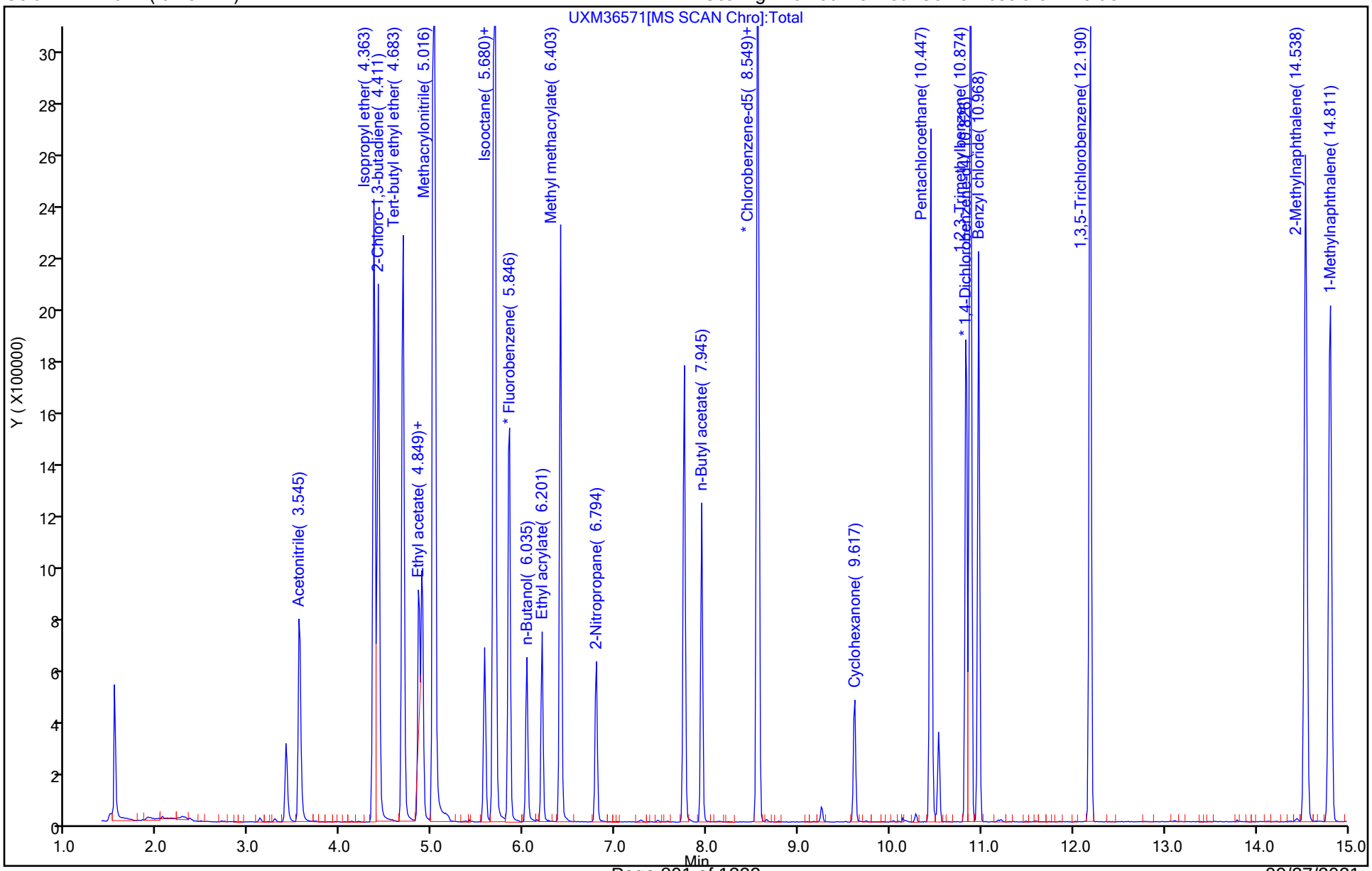
Report Date: 26-Apr-2021 08:34:45 Chrom Revision: 2.3 08-Apr-2021 17:17:48

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

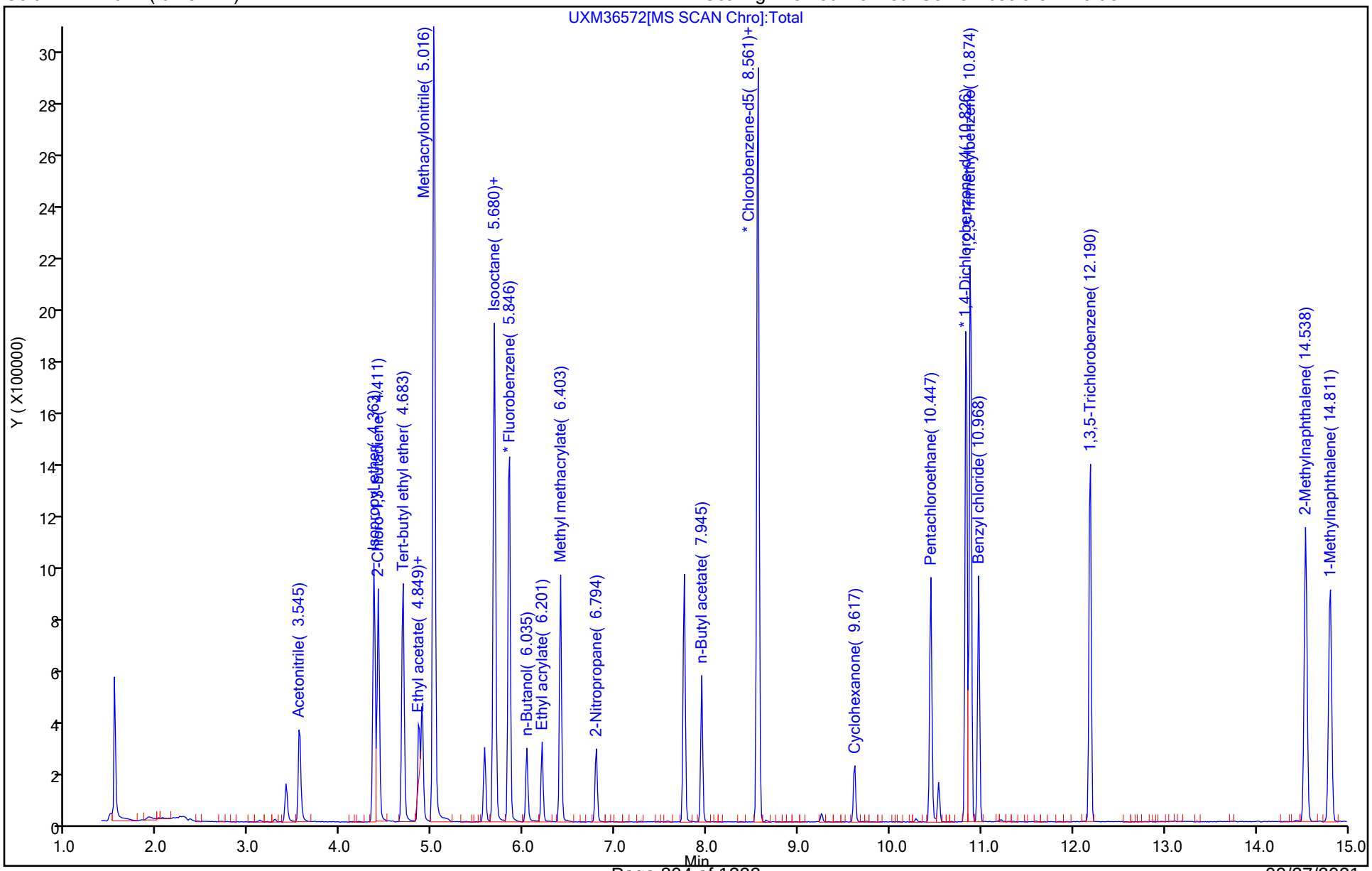
Report Date: 26-Apr-2021 08:34:48 Chrom Revision: 2.3 08-Apr-2021 17:17:48

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

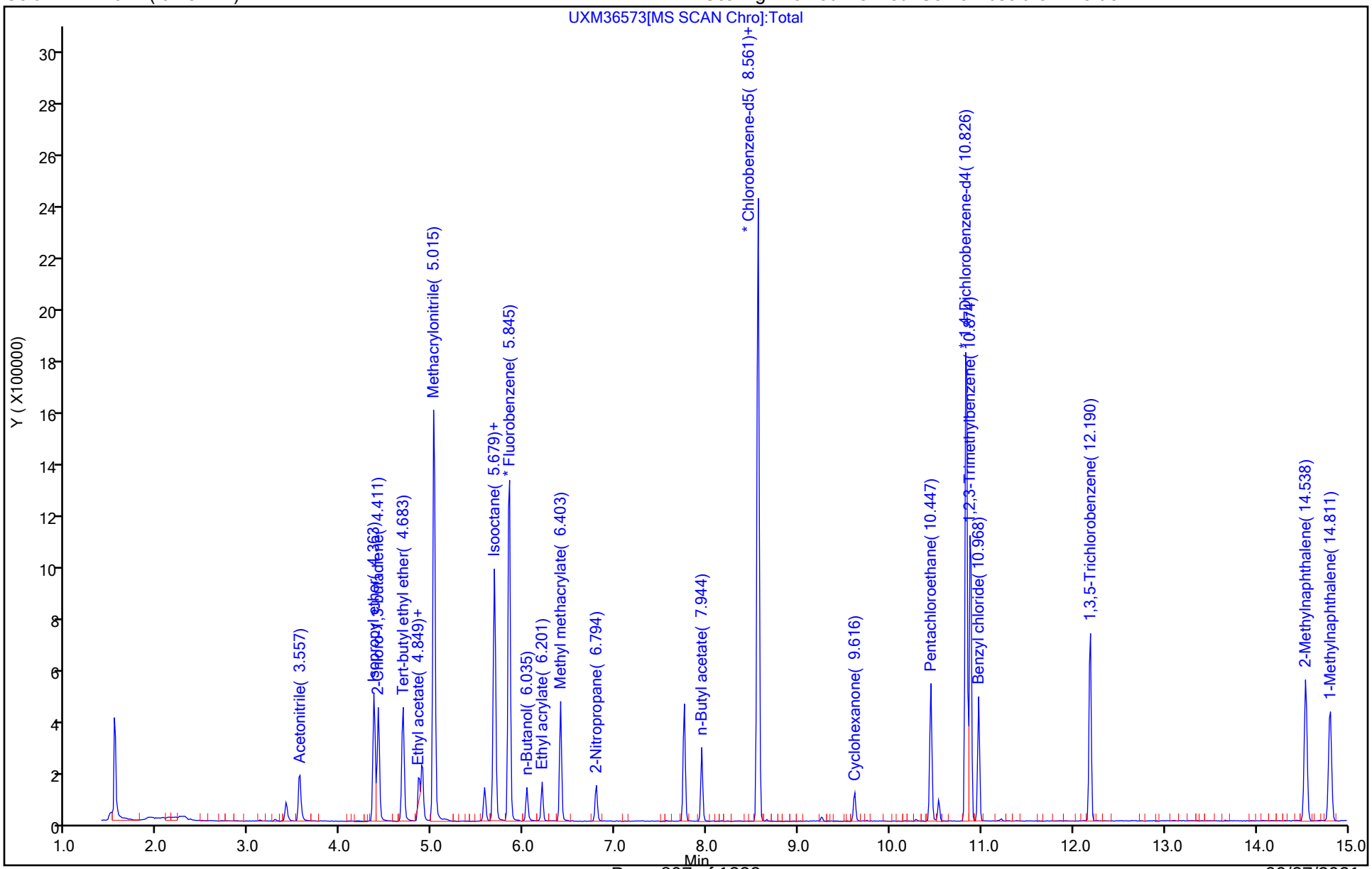
Report Date: 26-Apr-2021 08:34:51 Chrom Revision: 2.3 08-Apr-2021 17:17:48

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

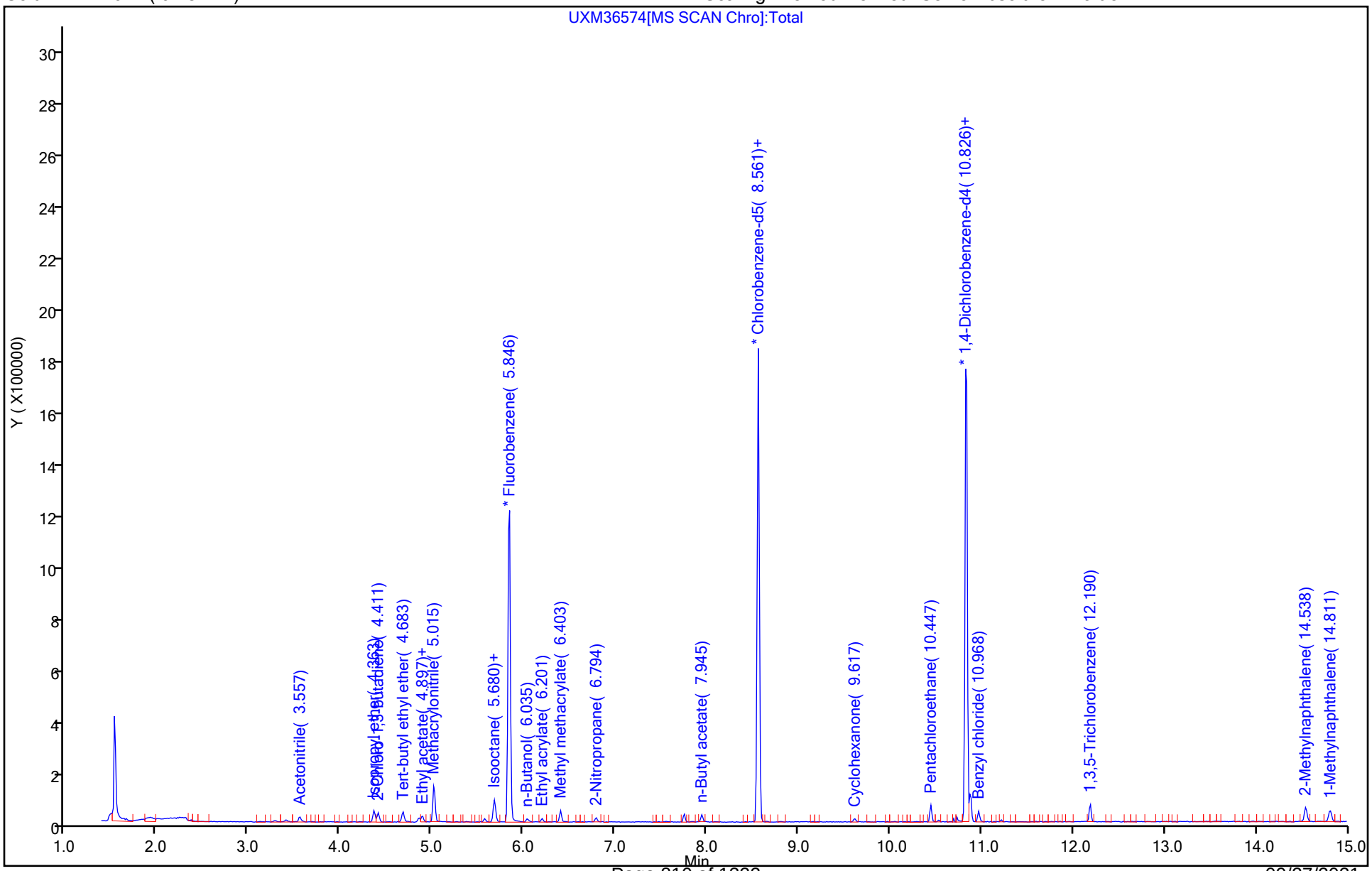
Report Date: 26-Apr-2021 08:34:54 Chrom Revision: 2.3 08-Apr-2021 17:17:48

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

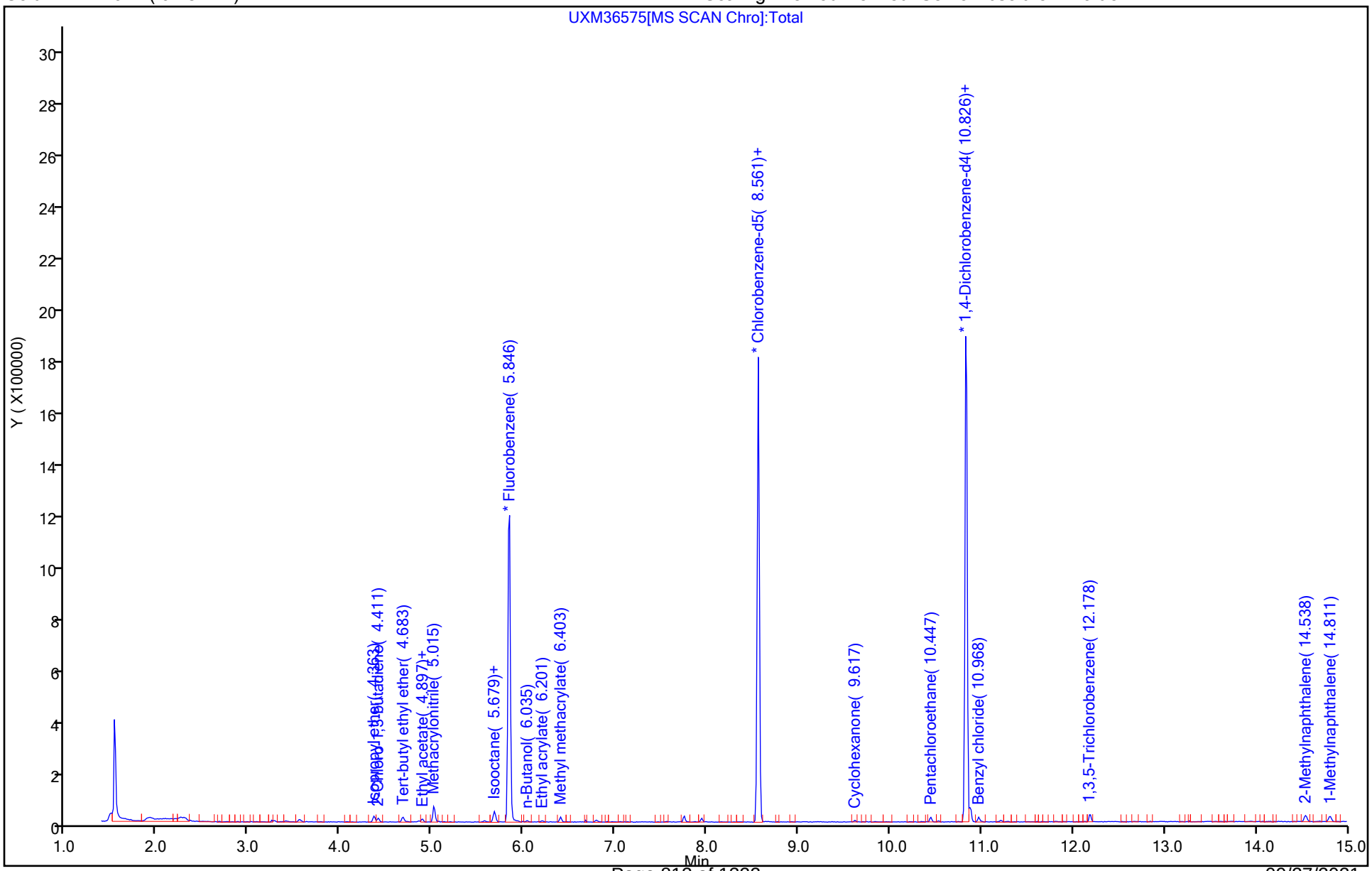
Report Date: 26-Apr-2021 08:34:56 Chrom Revision: 2.3 08-Apr-2021 17:17:48

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



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Canton

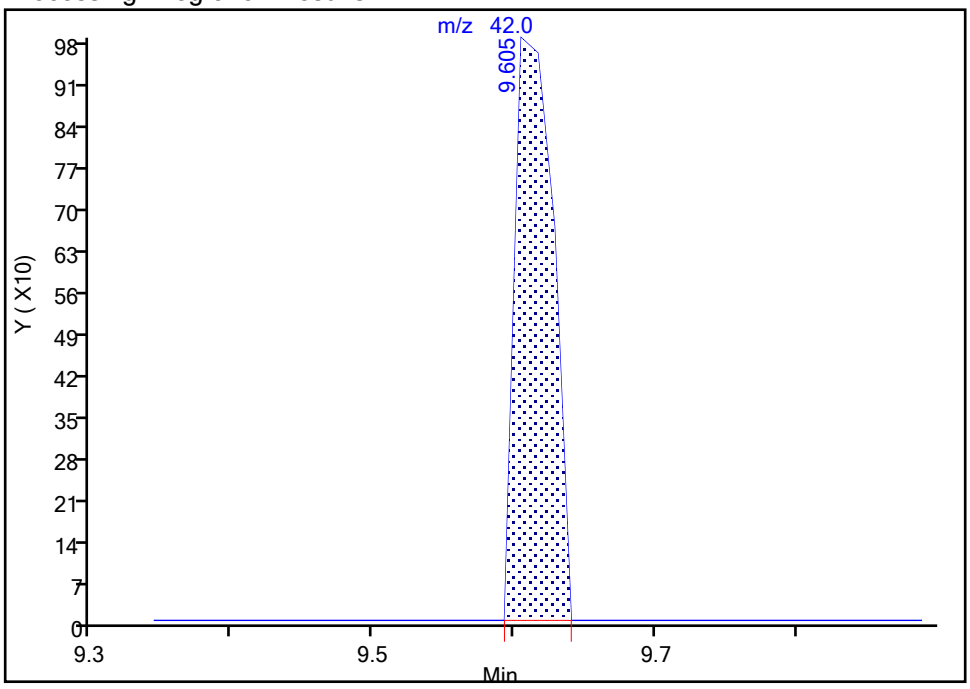
Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D
Injection Date: 23-Apr-2021 18:30:30 Instrument ID: A3UX16
Lims ID: stdA9 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

91 Cyclohexanone, CAS: 108-94-1

Signal: 2

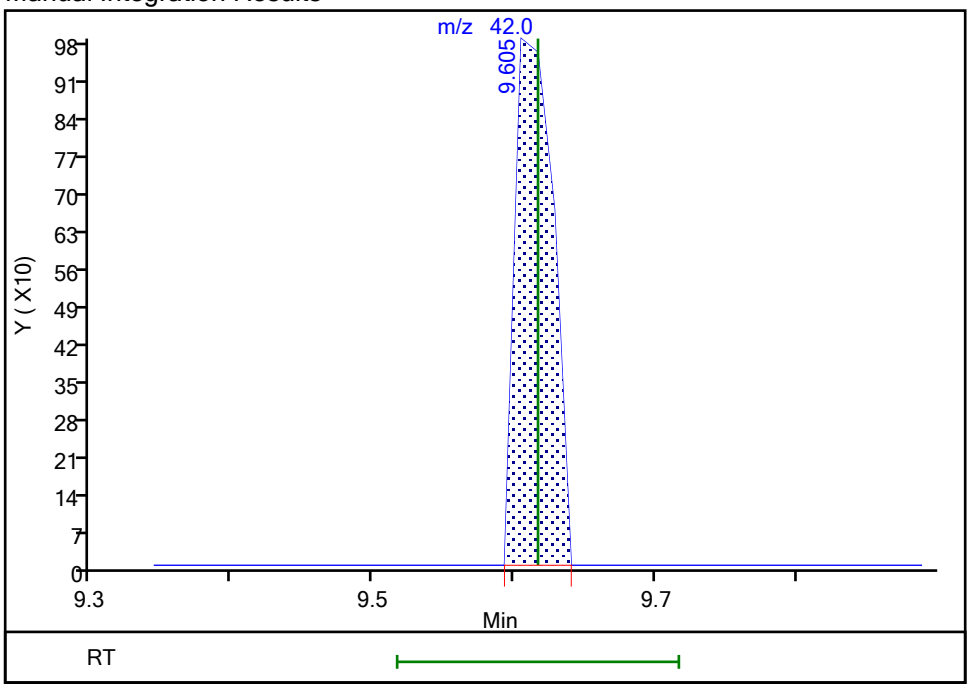
Processing Integration Results

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

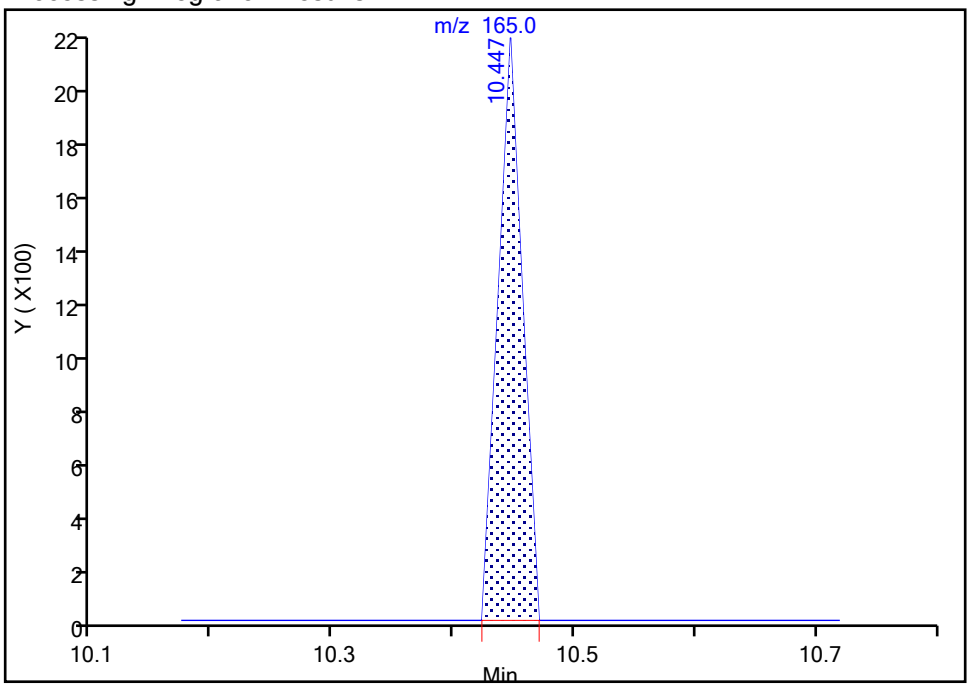
Data File: \\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D
Injection Date: 23-Apr-2021 18:30:30 Instrument ID: A3UX16
Lims ID: stdA9 L1
Client ID:
Operator ID: 001765 ALS Bottle#: 25 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

103 Pentachloroethane, CAS: 76-01-7

Signal: 2

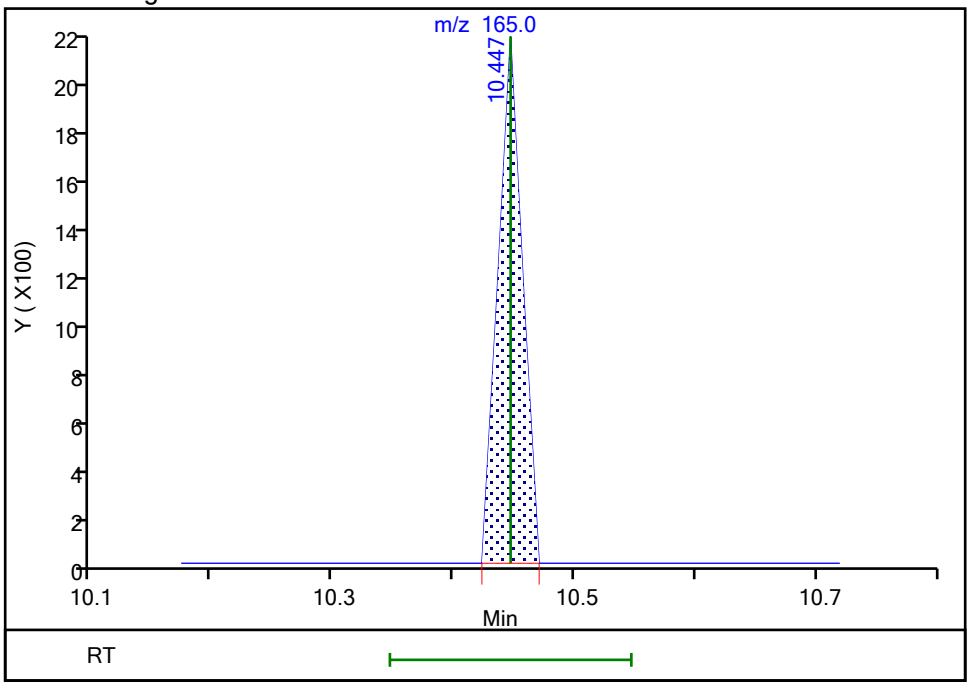
Processing Integration Results

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

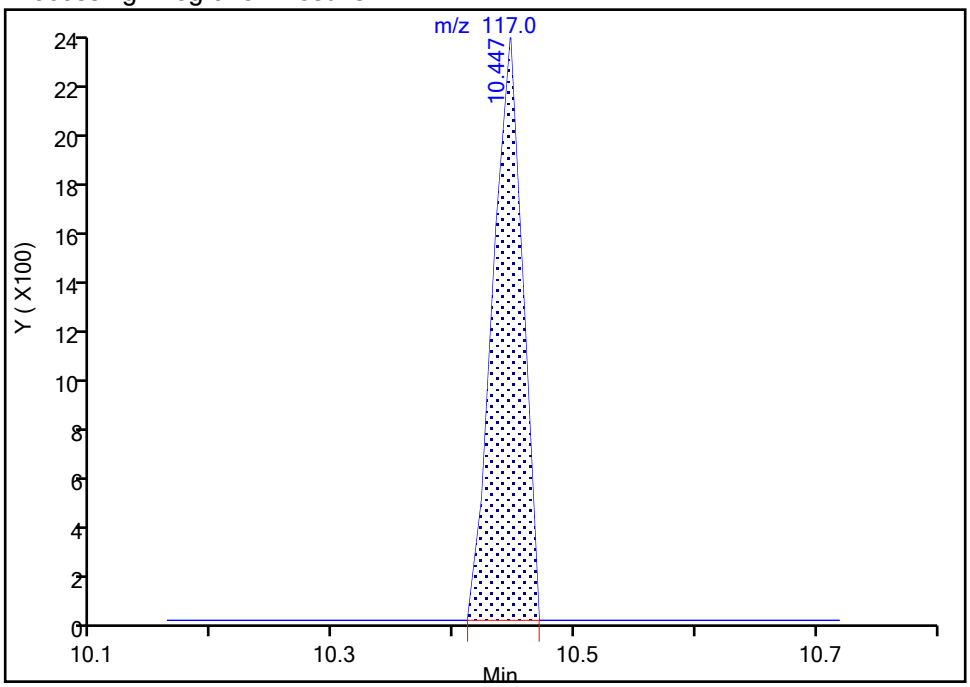
Injection Date:	23-Apr-2021 18:30:30	Instrument ID:	A3UX16		
Lims ID:	stdA9 L1				
Client ID:					
Operator ID:	001765	ALS Bottle#:	25	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_16	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

103 Pentachloroethane, CAS: 76-01-7

Signal: 3

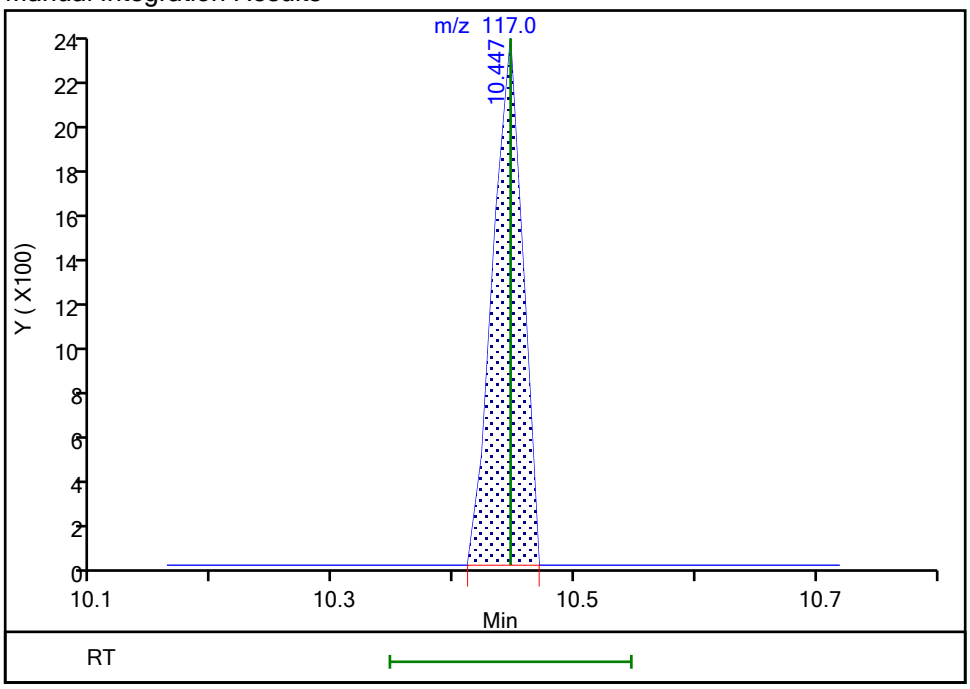
Processing Integration Results

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

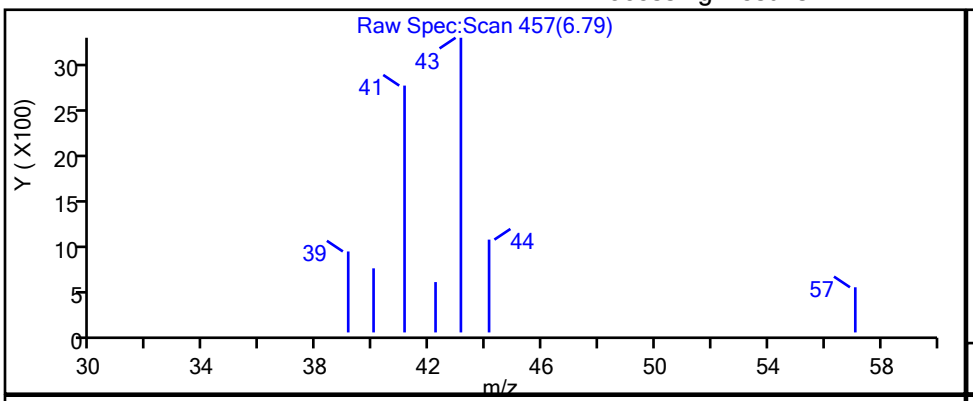
User Disabled Compound Report

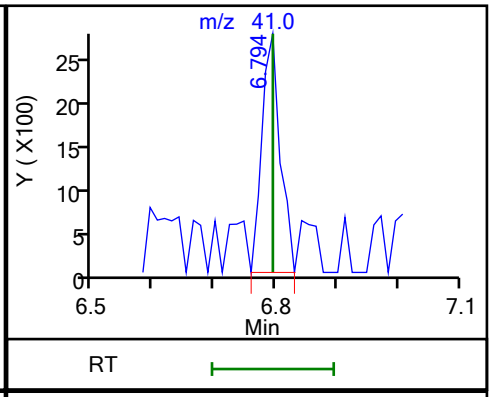
Eurofins TestAmerica, Canton

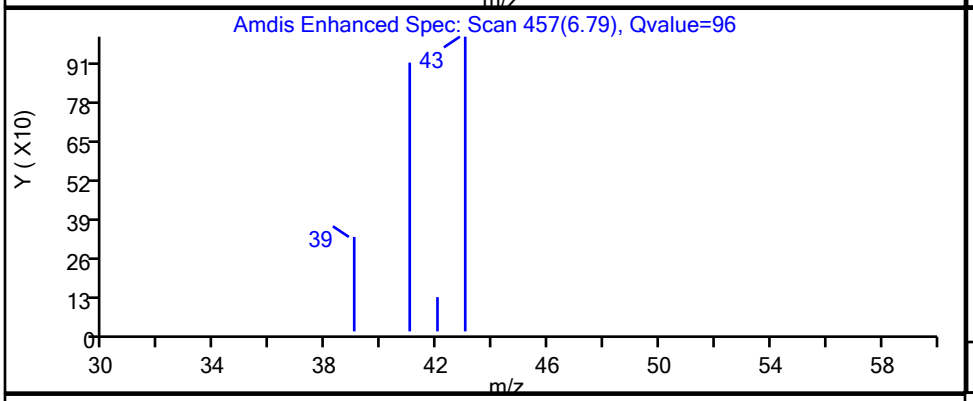
Data File:	\\chromfs\Canton\ChromData\A3UX16\20210423-108510.b\UXM36575.D		
Injection Date:	23-Apr-2021 18:30:30	Instrument ID:	A3UX16
Lims ID:	stdA9 L1		
Client ID:			
Operator ID:	001765	ALS Bottle#:	25 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260_16	Limit Group:	MSV 8260C ICAL
Column:	DB-624 (0.18 mm)	Detector	MS SCAN

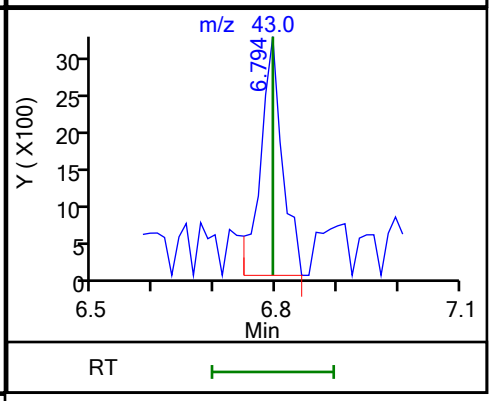
66 2-Nitropropane, CAS: 79-46-9

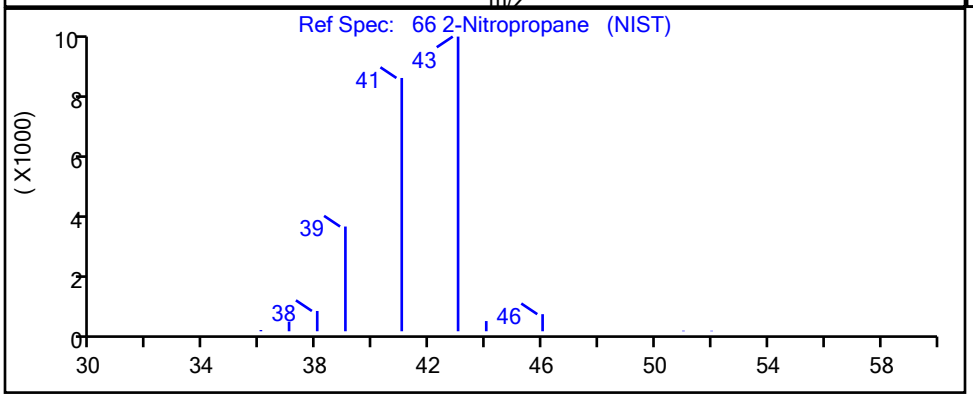
Processing Results











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

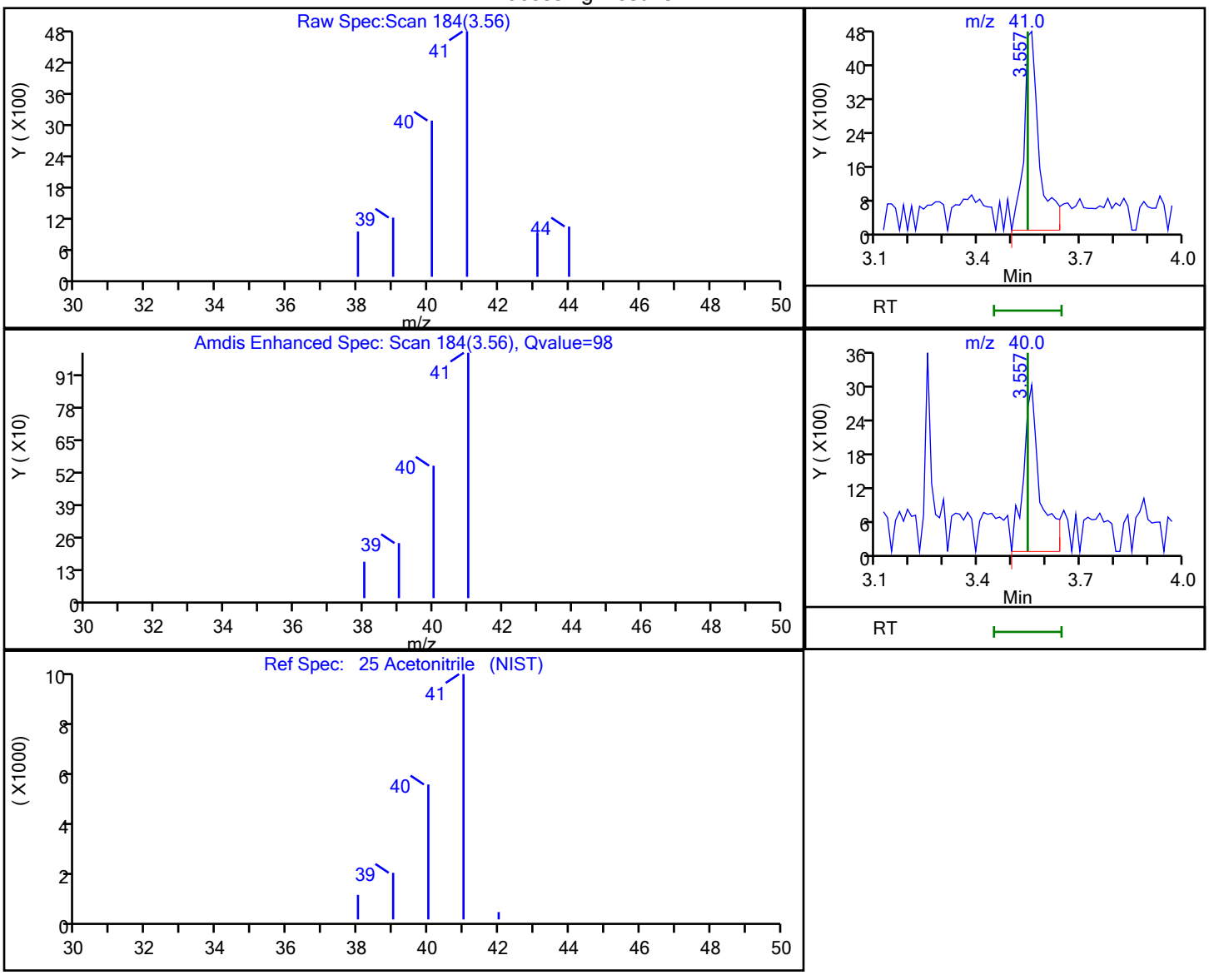
User Disabled Compound Report

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

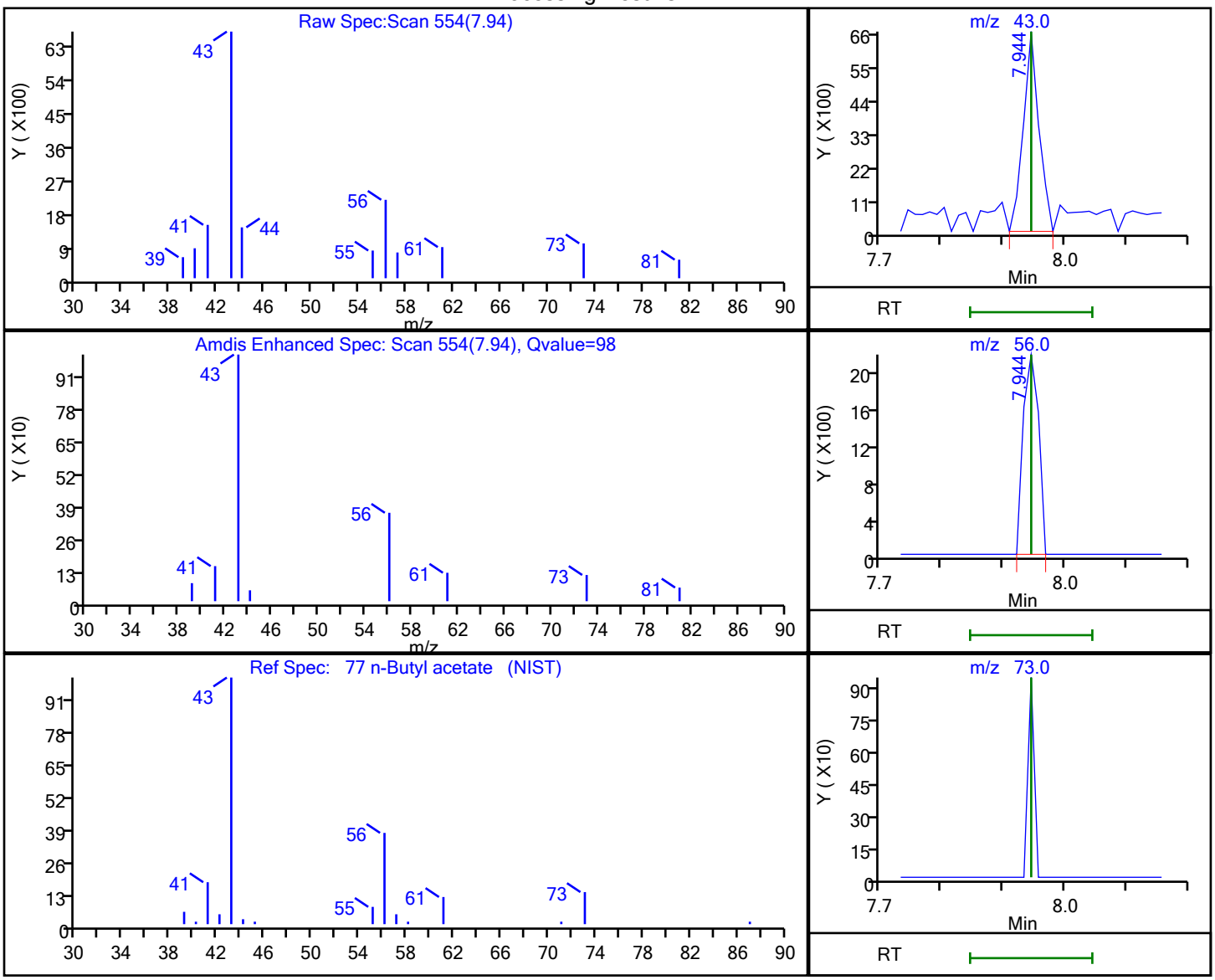
User Disabled Compound Report

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

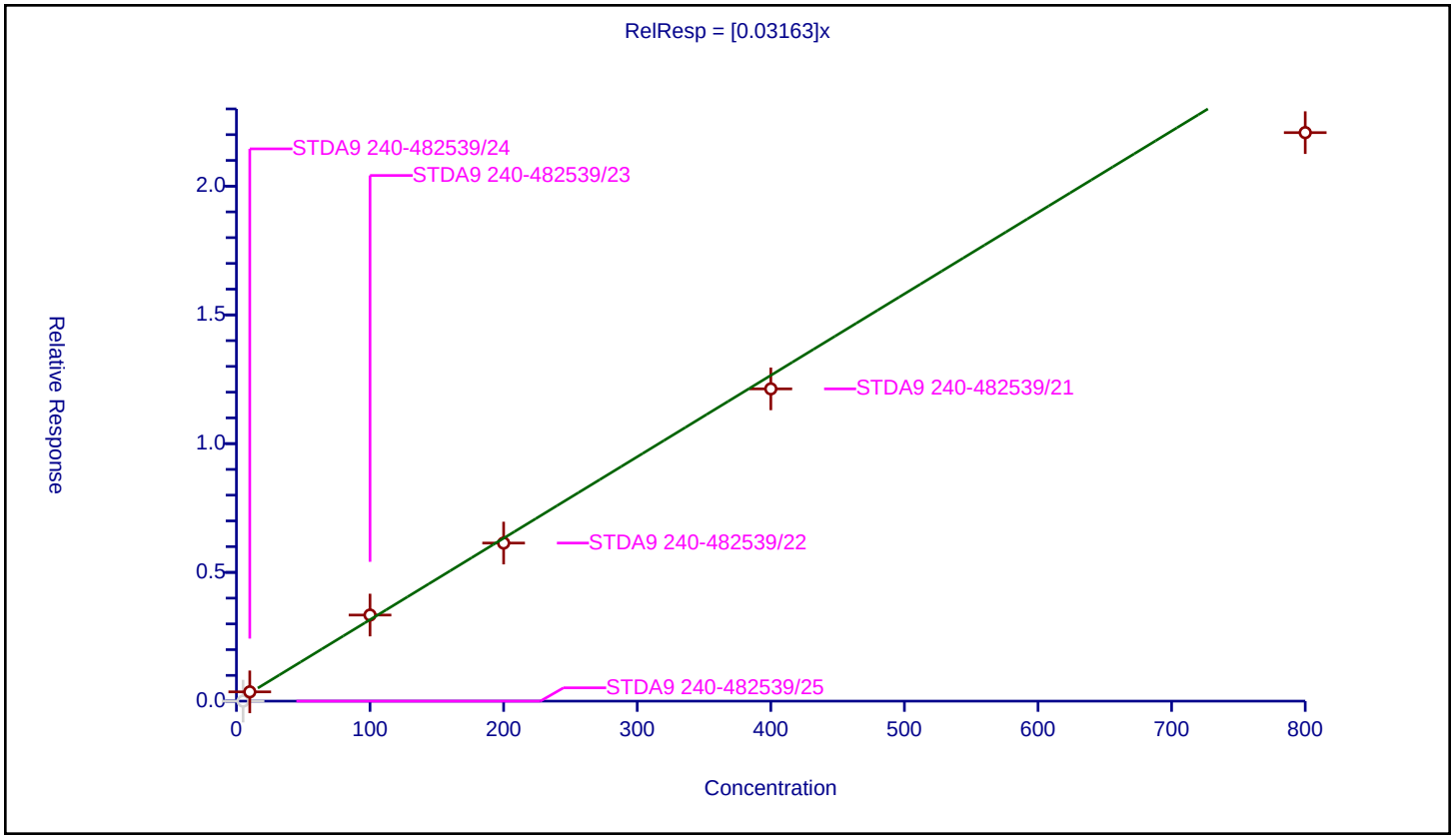
Curve Coefficients

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

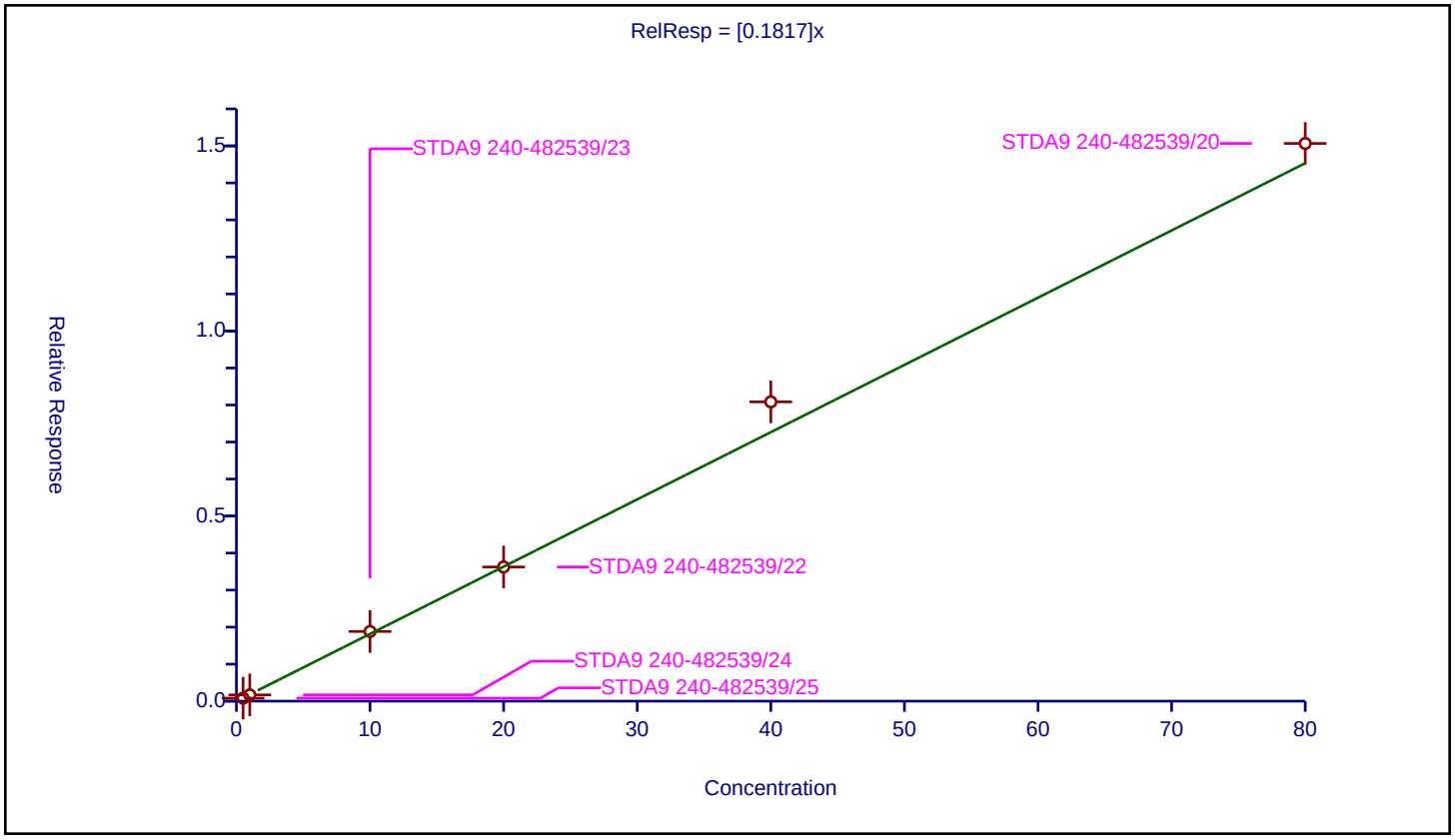
Curve Coefficients

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

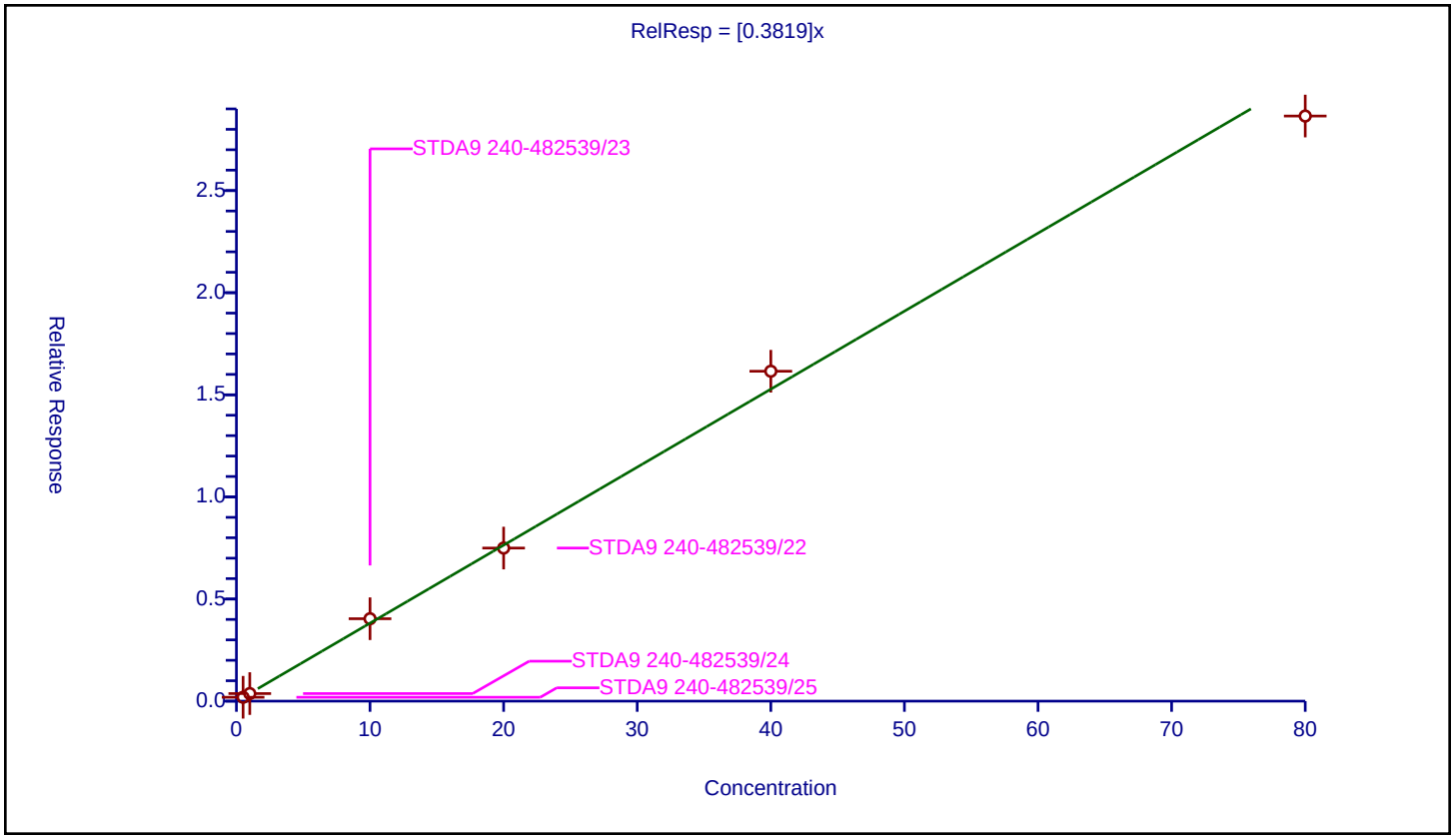
Curve Coefficients

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

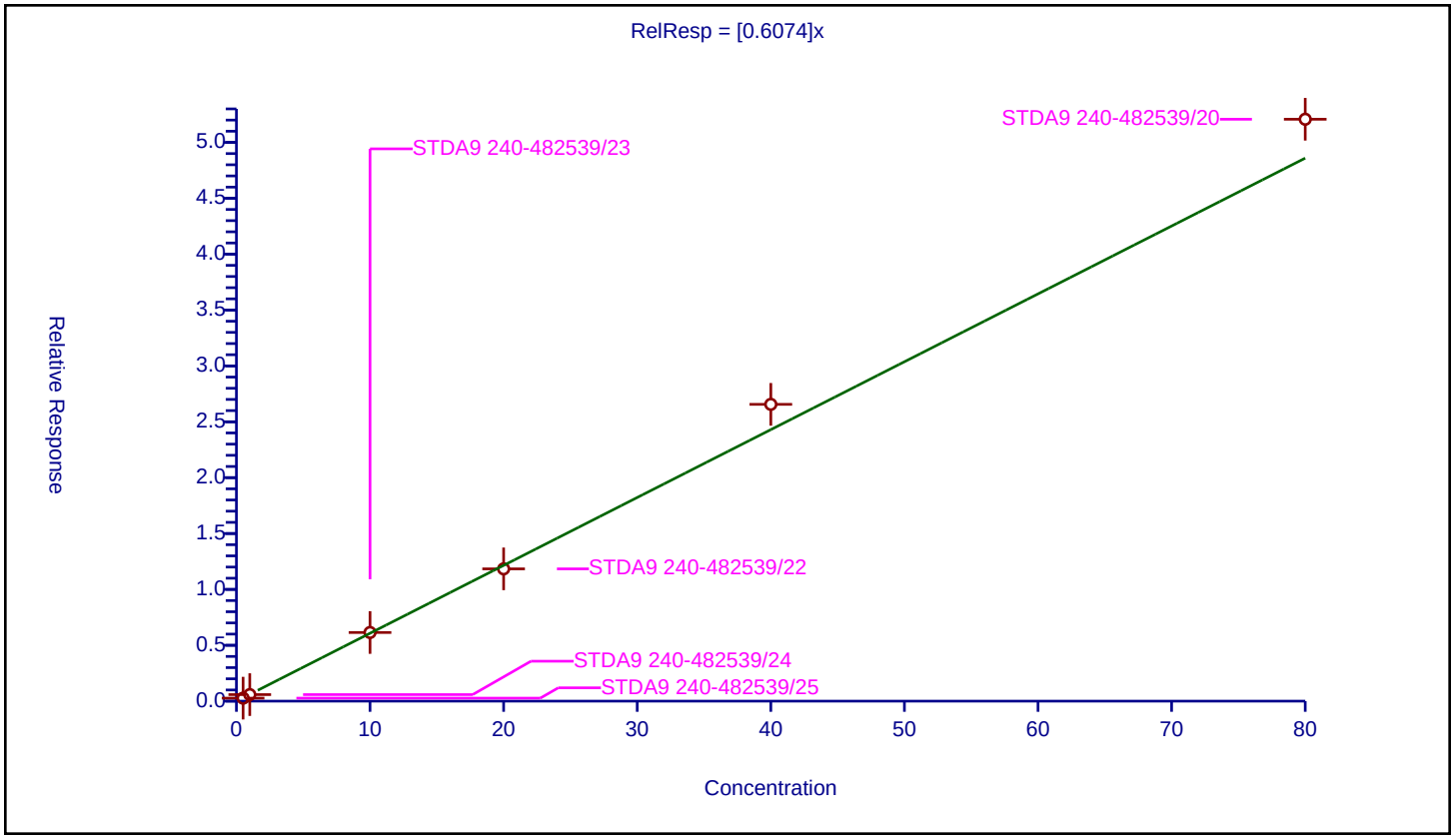
Curve Coefficients

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

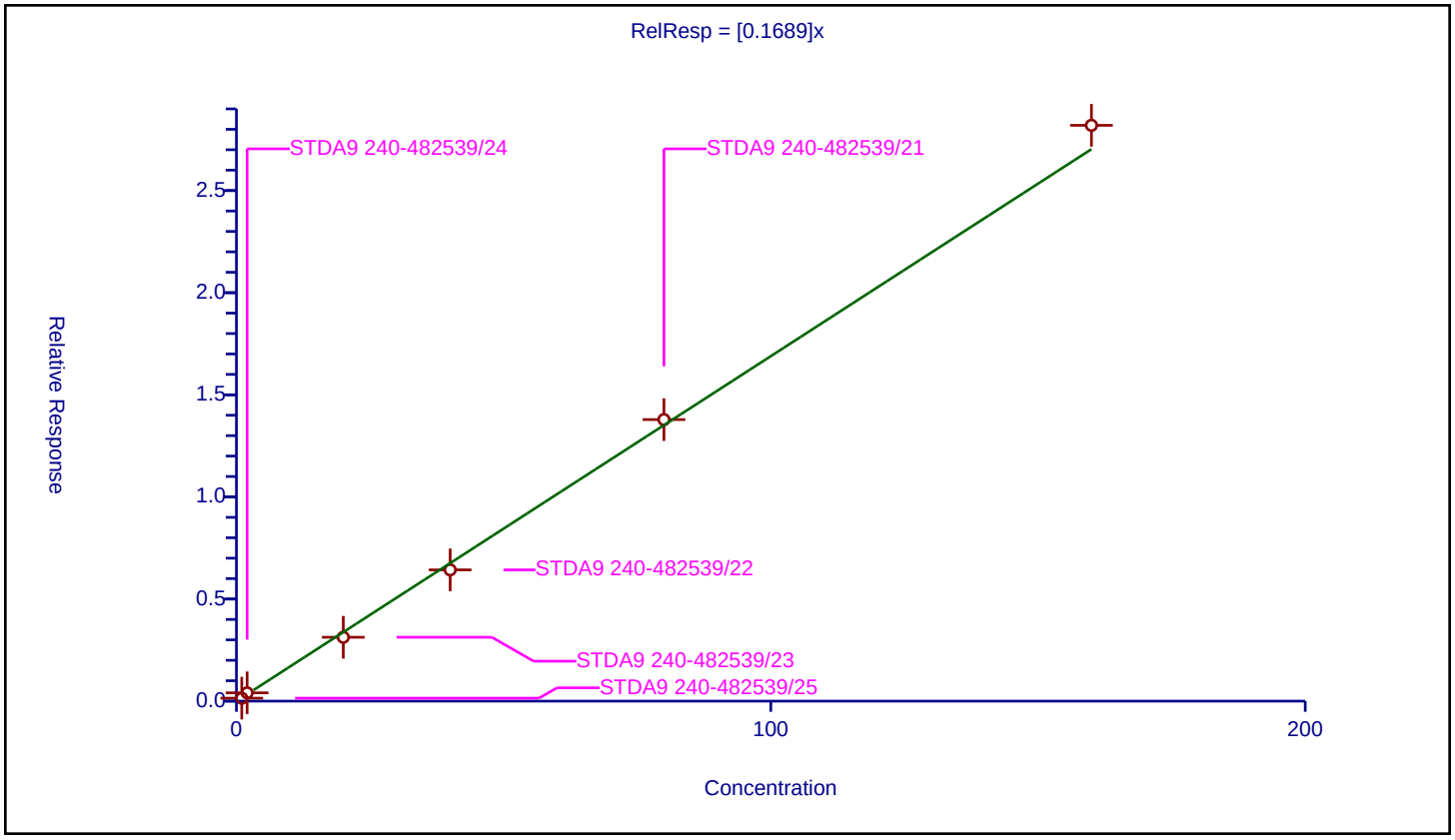
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

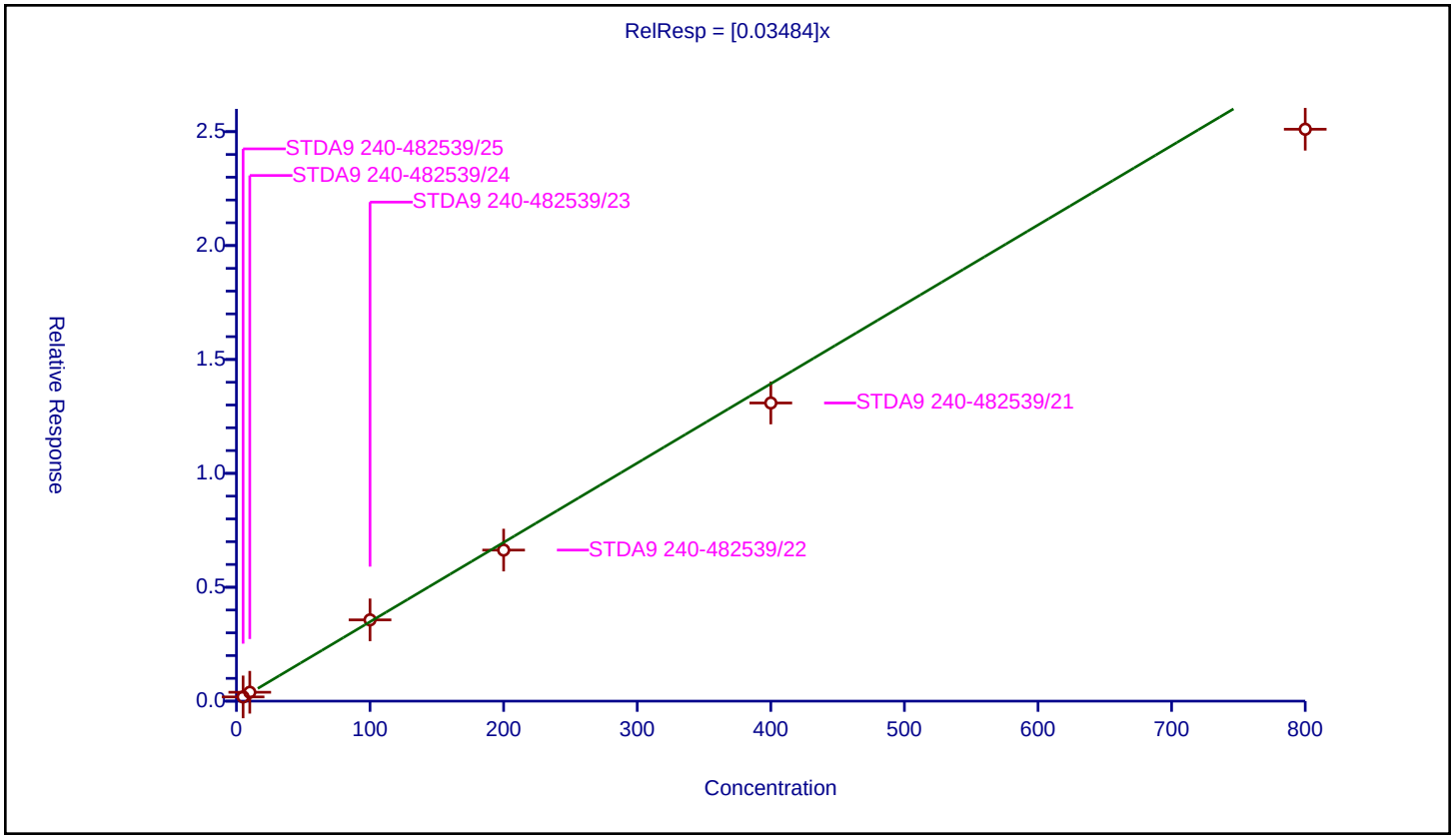
Curve Coefficients

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

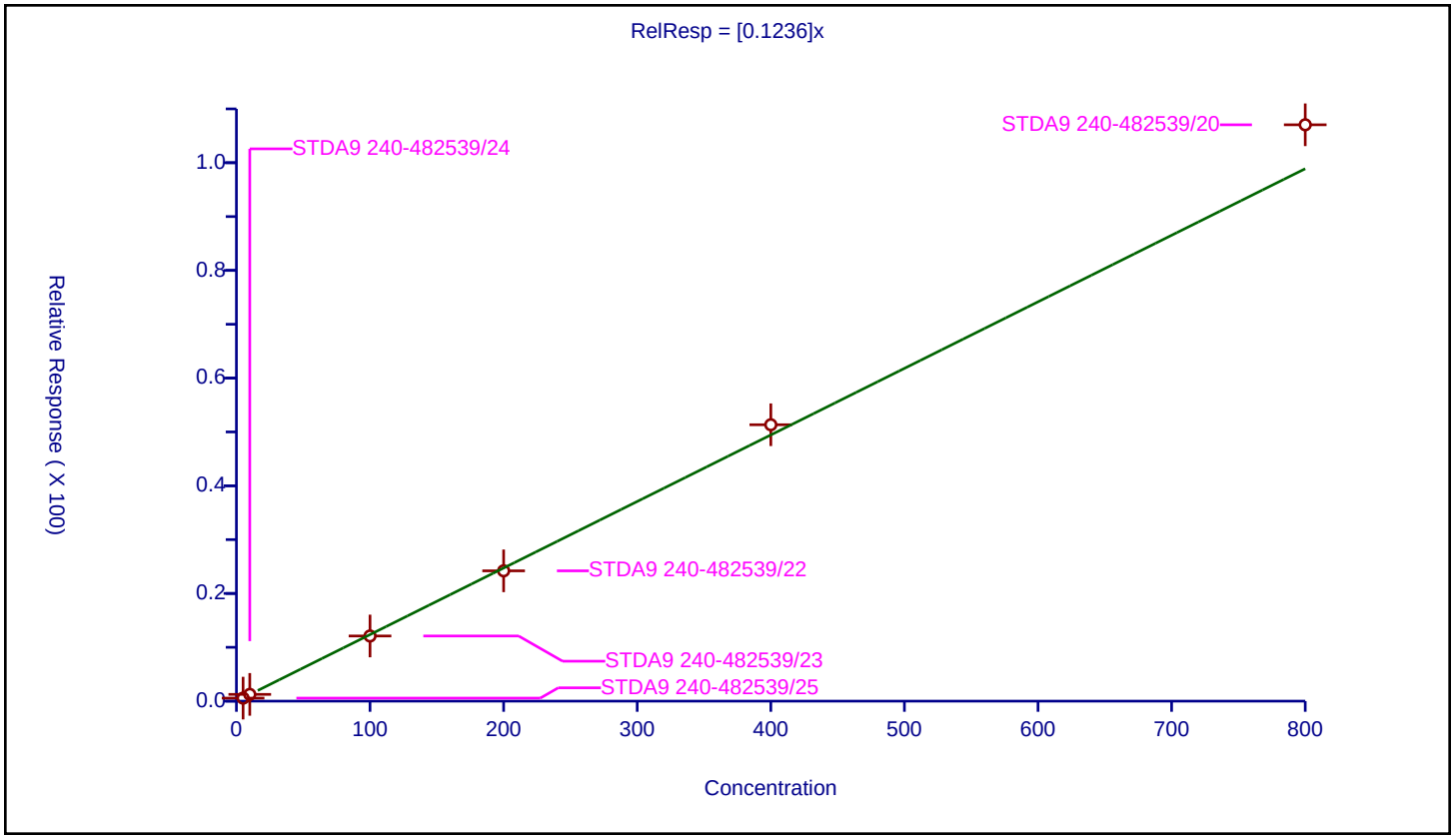
Curve Coefficients

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

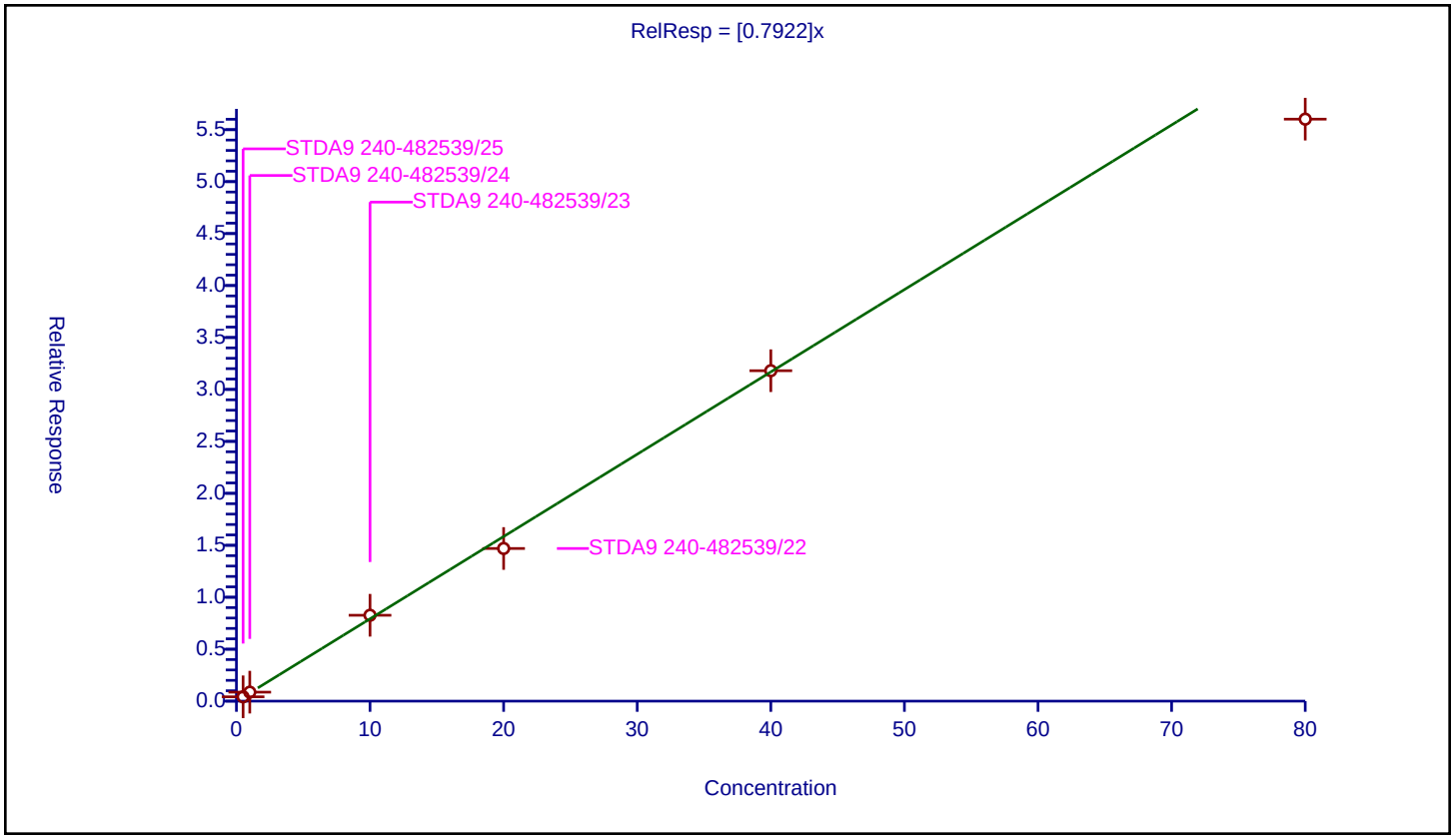
Curve Coefficients

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

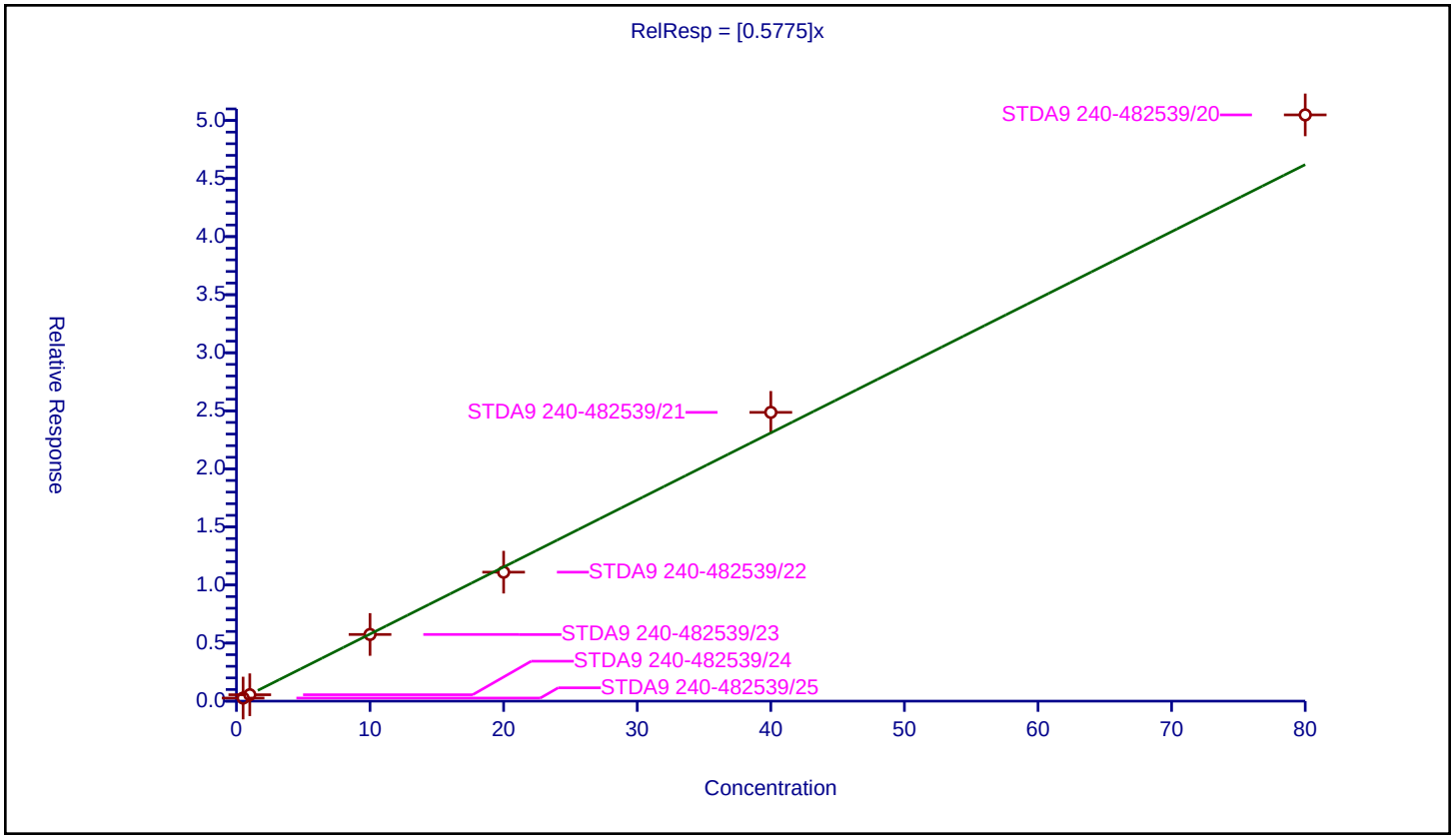
Curve Coefficients

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



Calibration / n-Butanol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

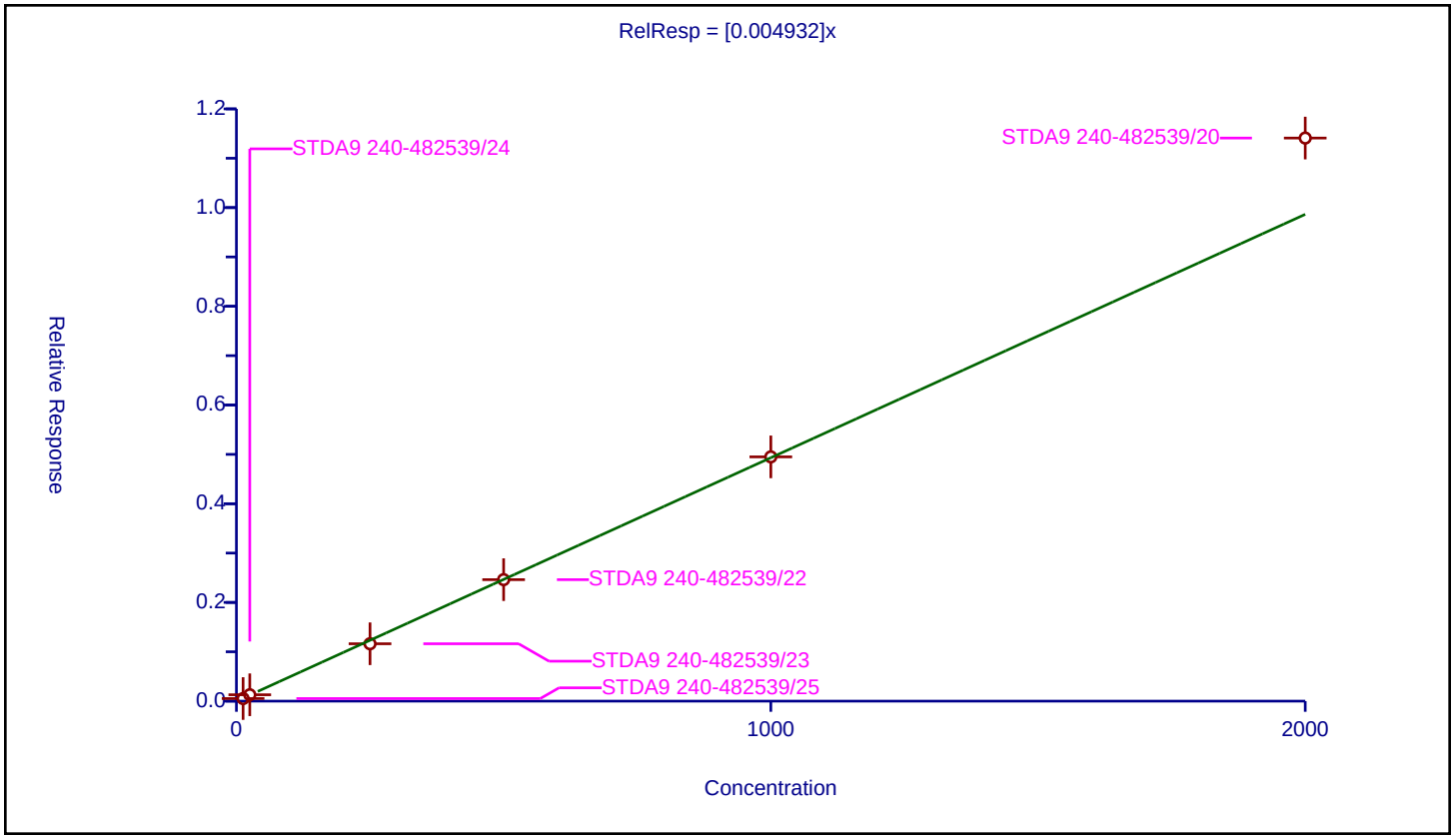
Curve Coefficients

Intercept:	0
Slope:	0.004932

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

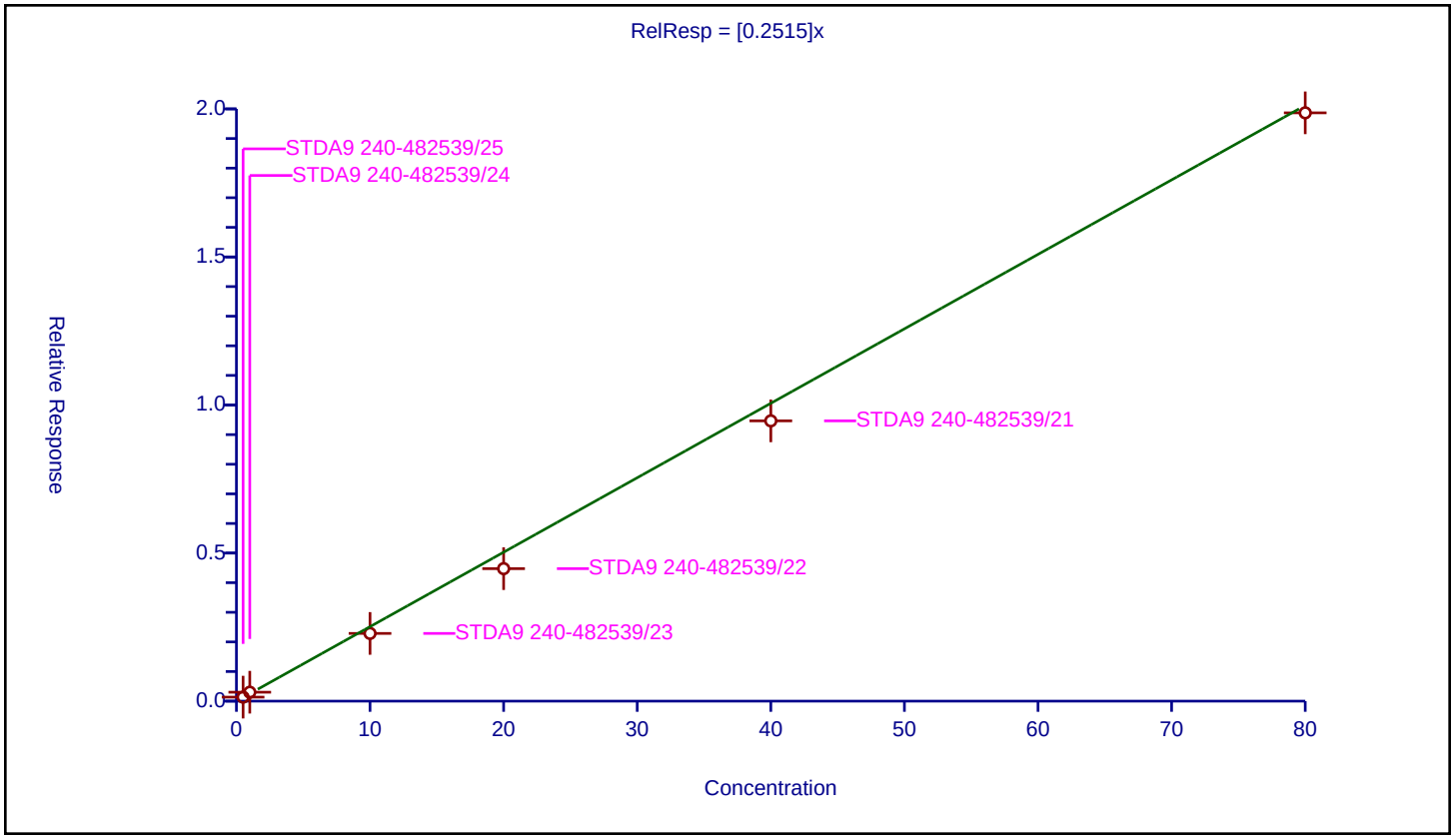
Curve Coefficients

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

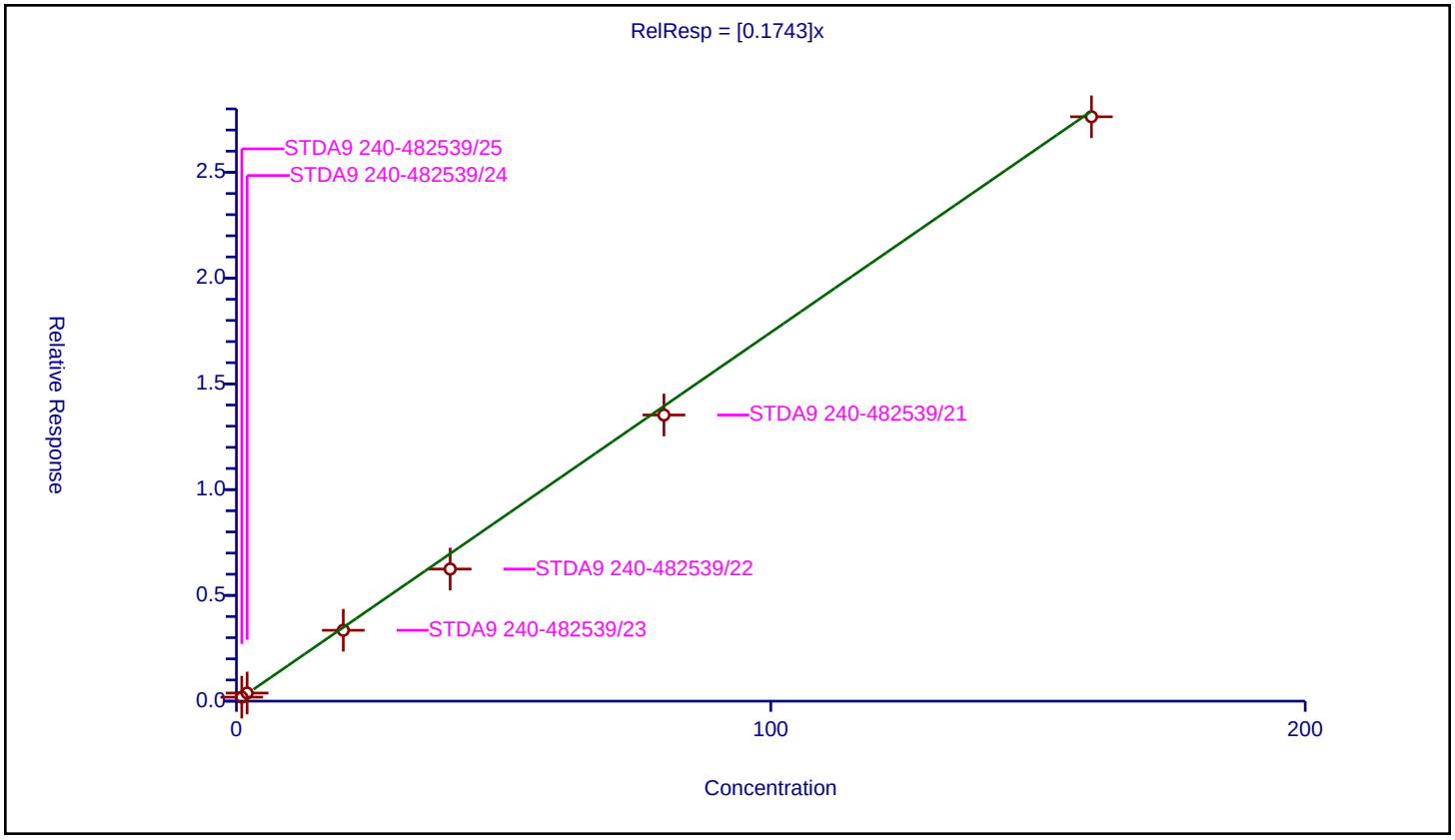
Curve Coefficients

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

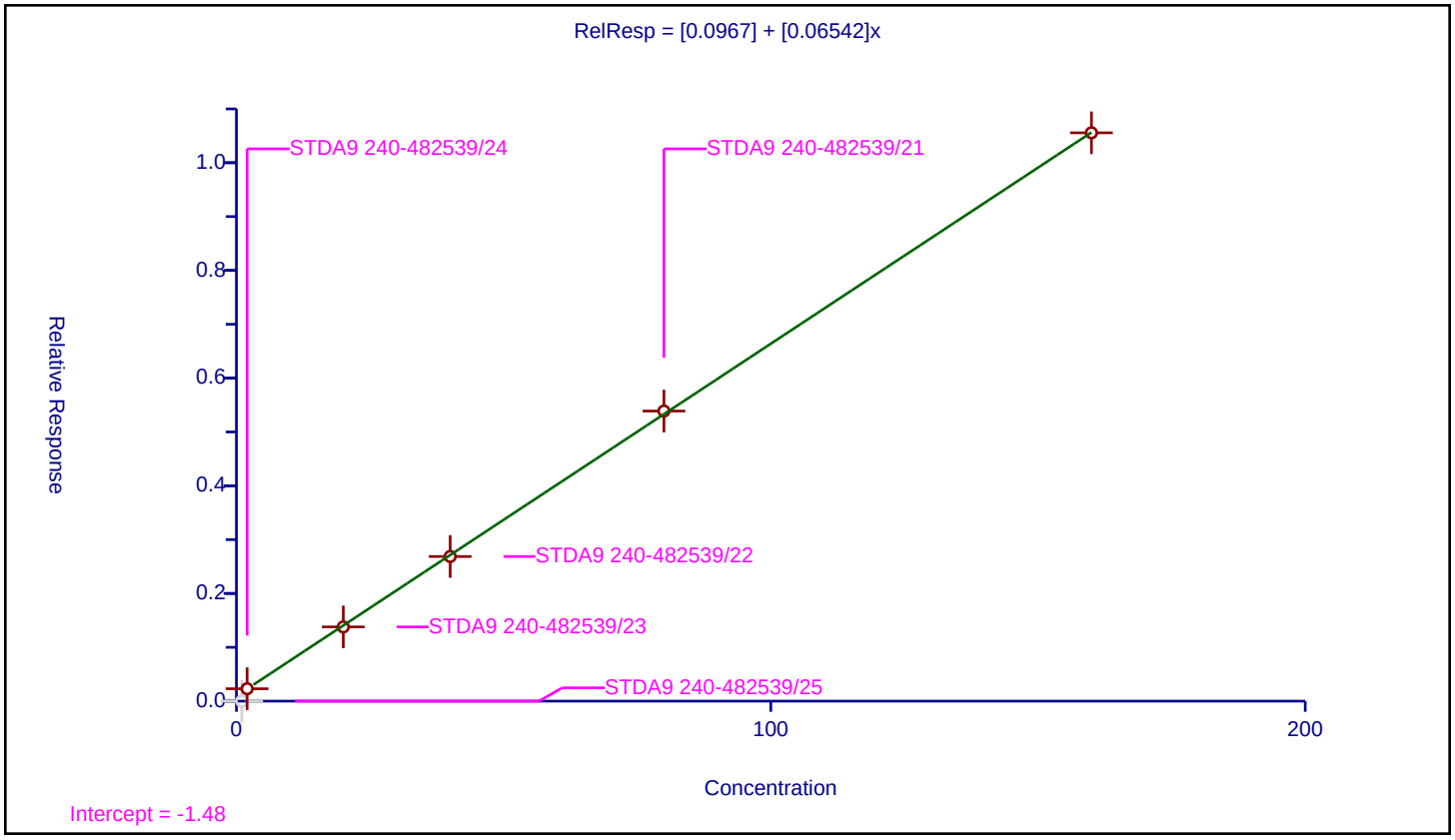
Curve Coefficients

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

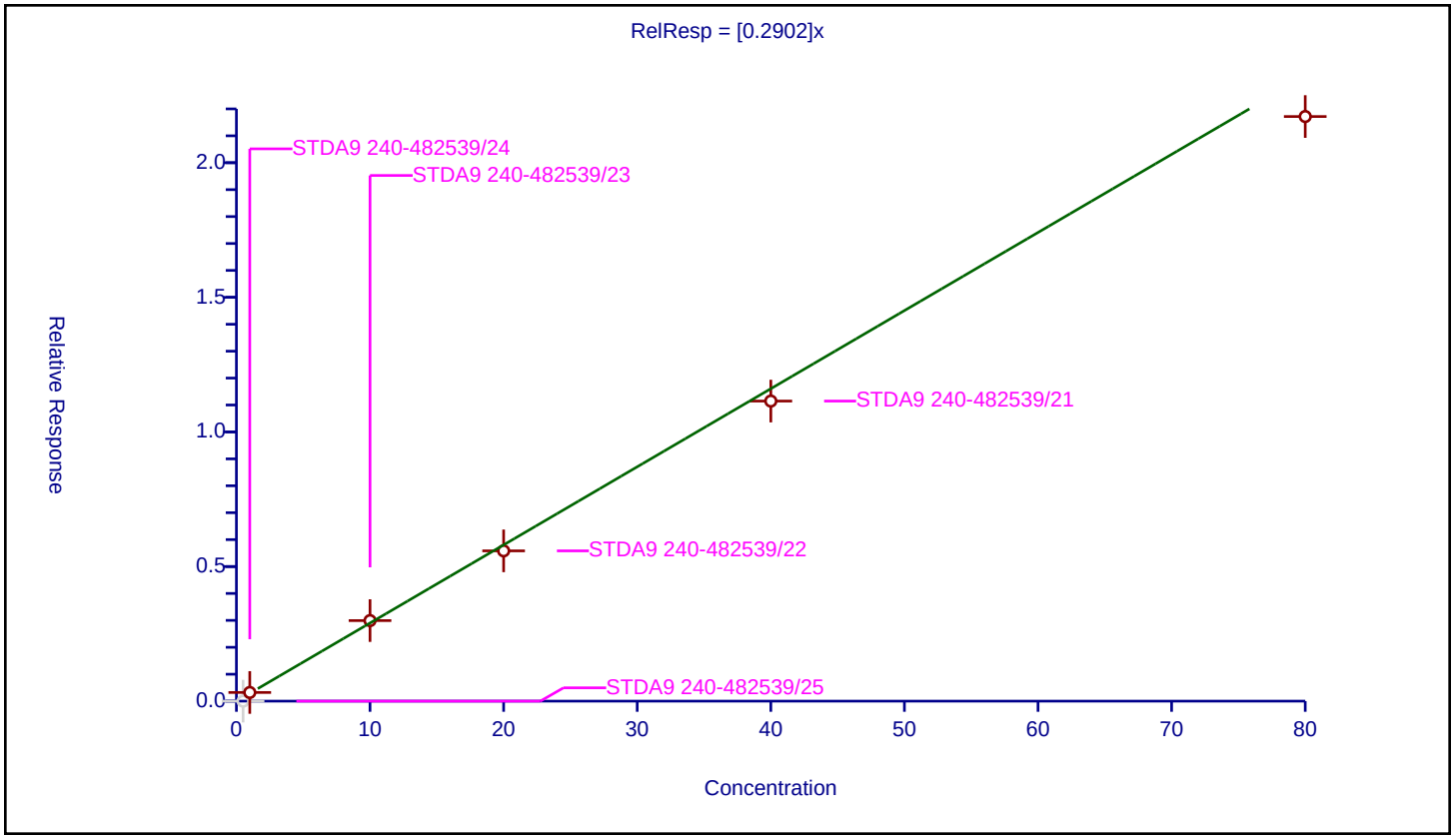
Curve Coefficients

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

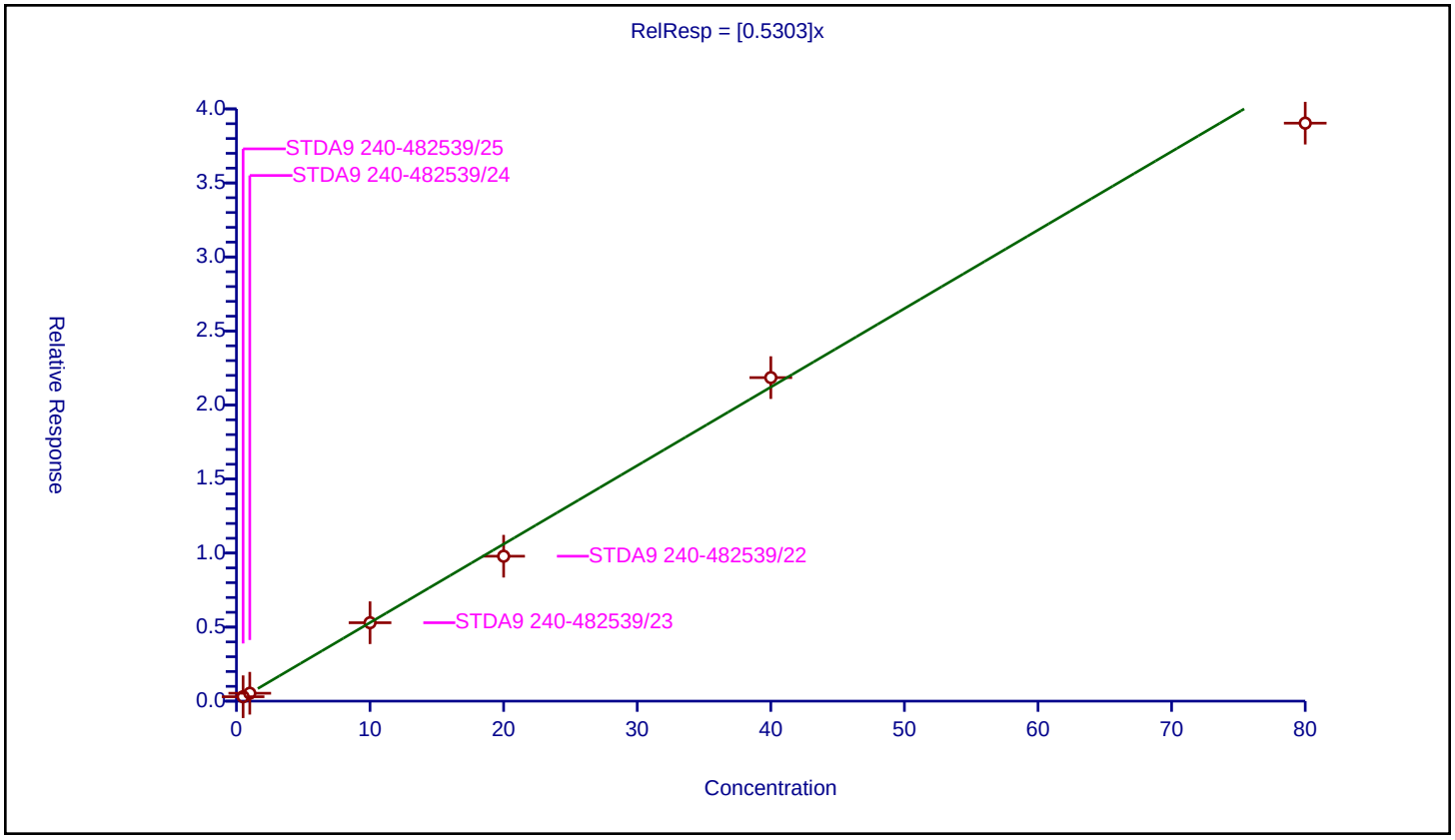
Curve Coefficients

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

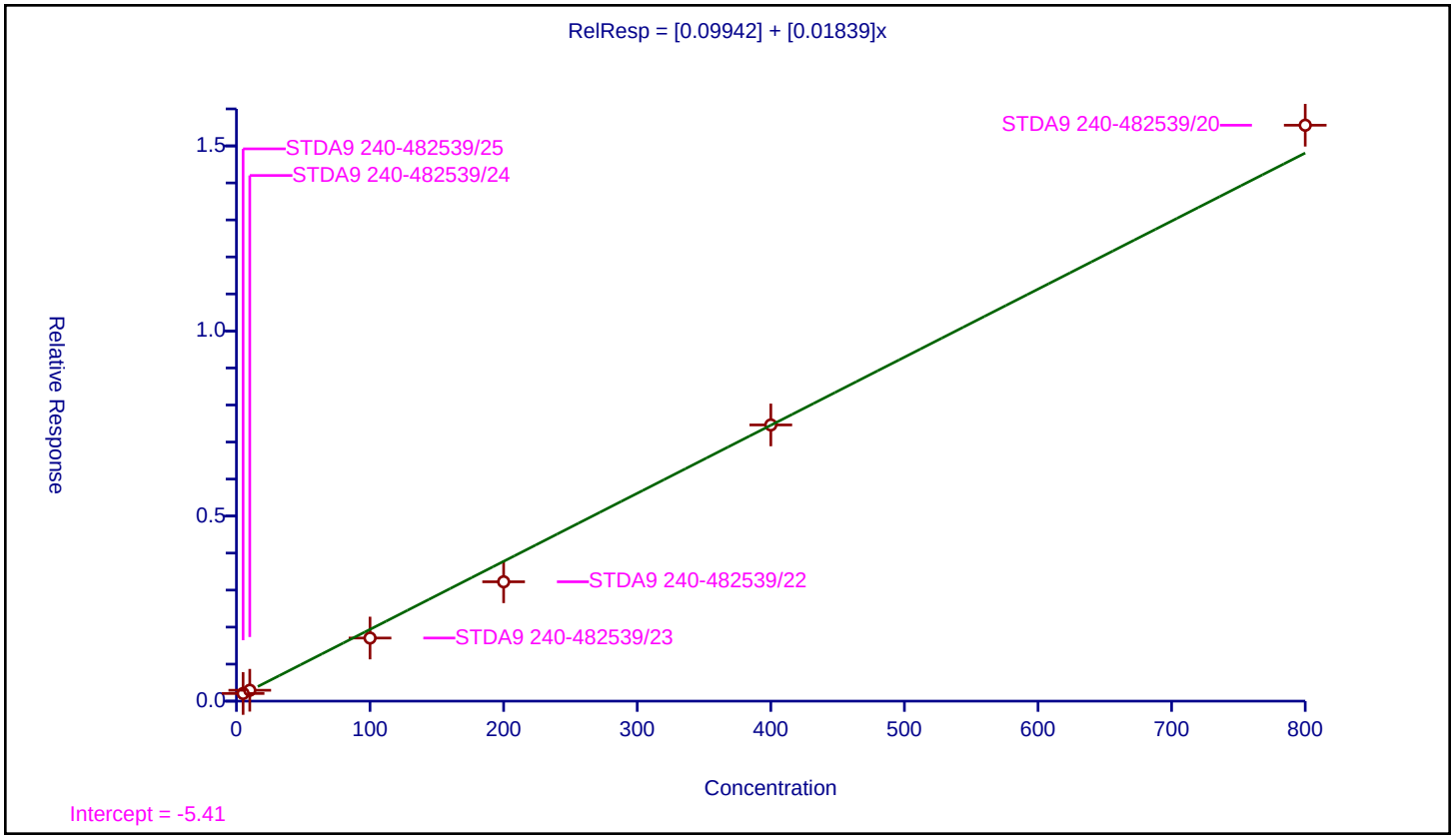
Curve Coefficients

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

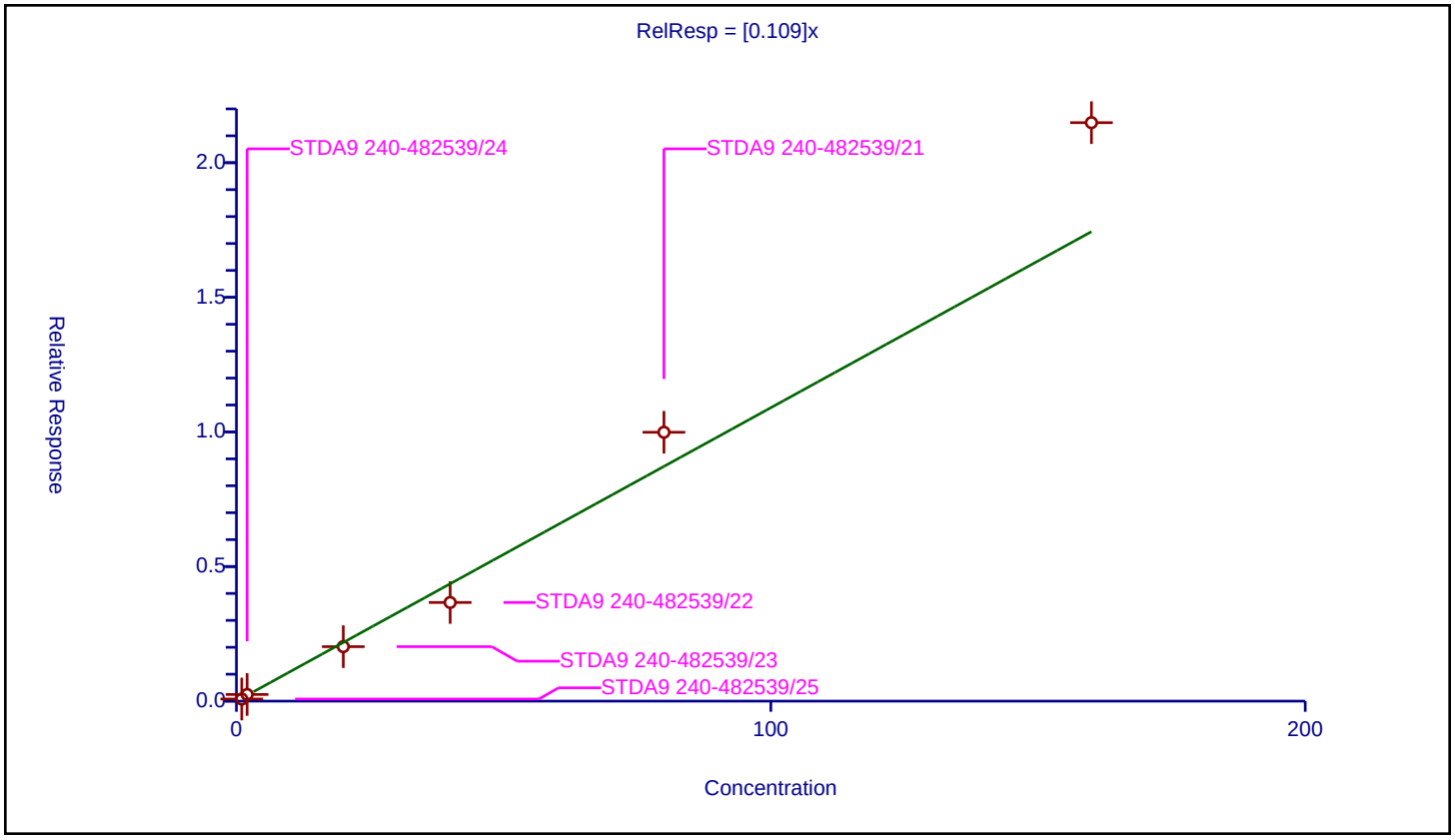
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

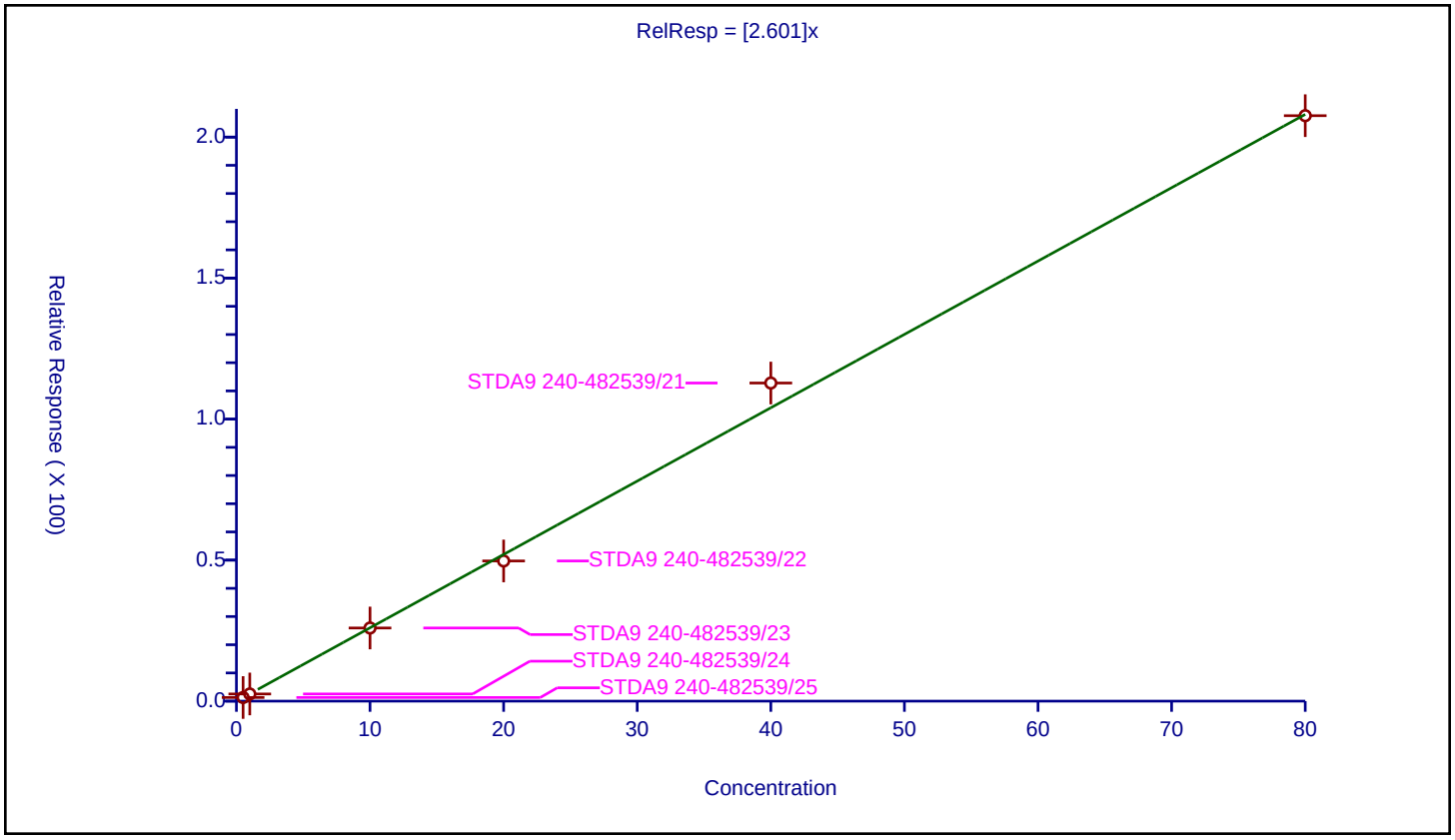
Curve Coefficients

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

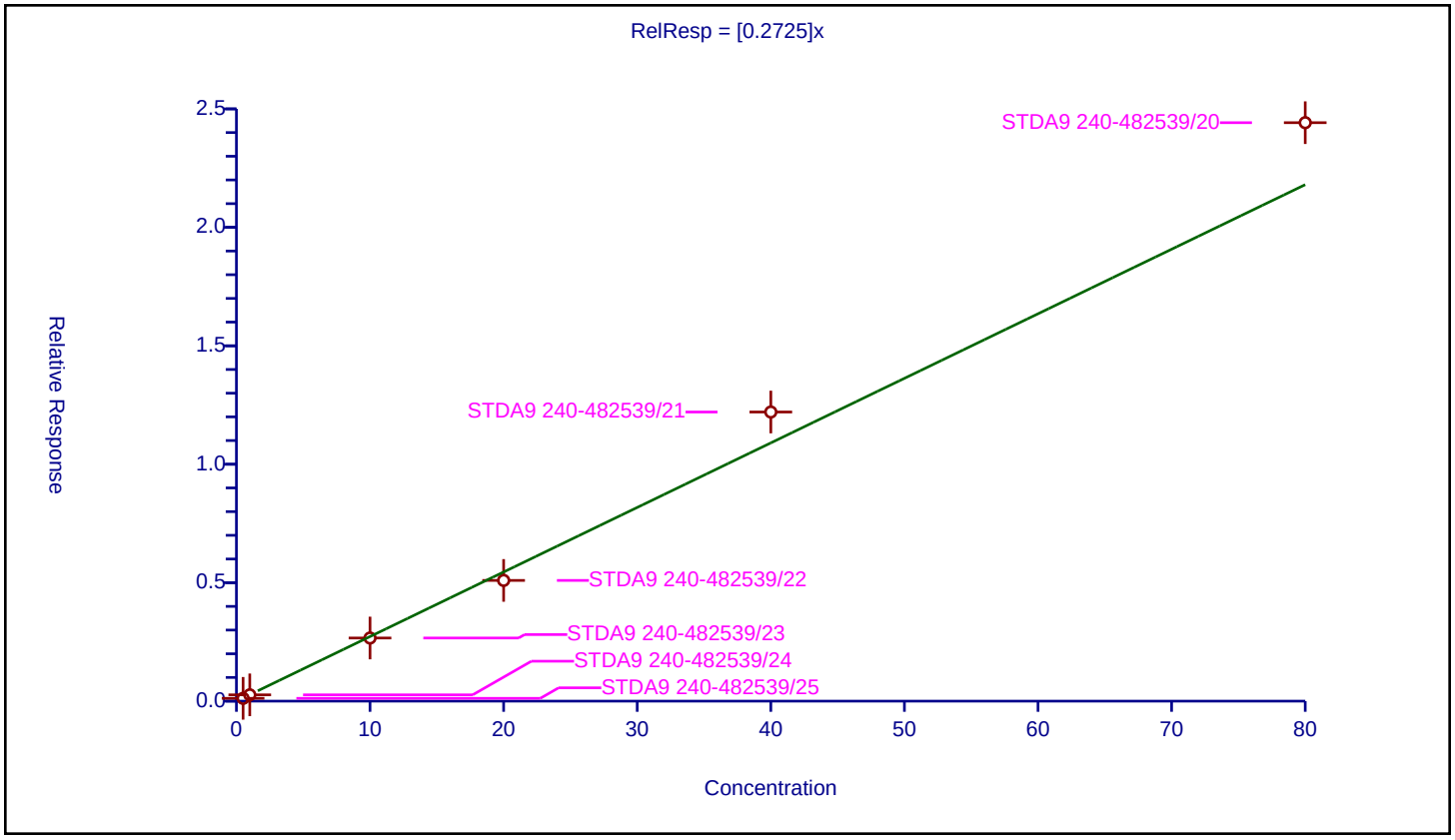
Curve Coefficients

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

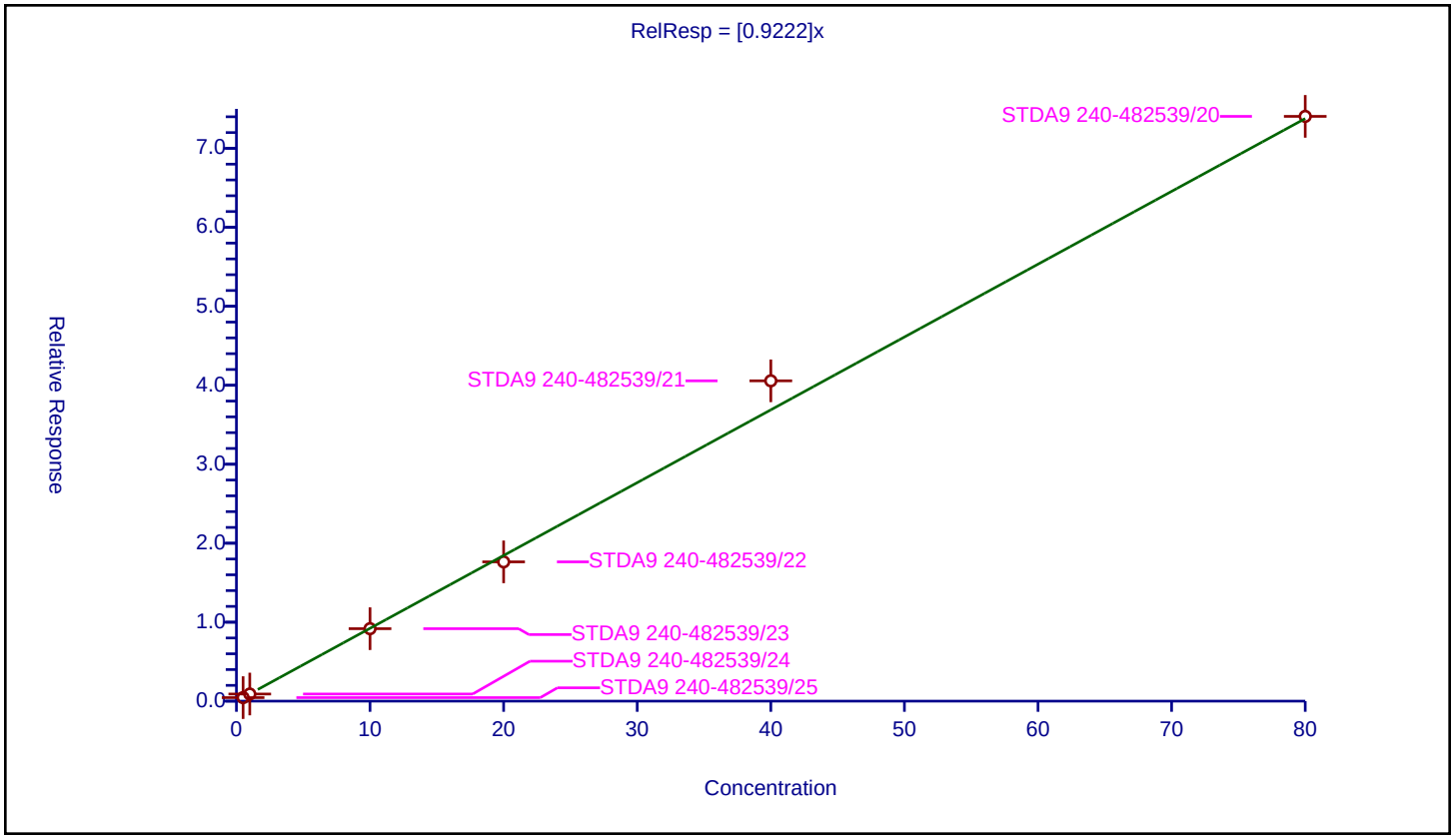
Curve Coefficients

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

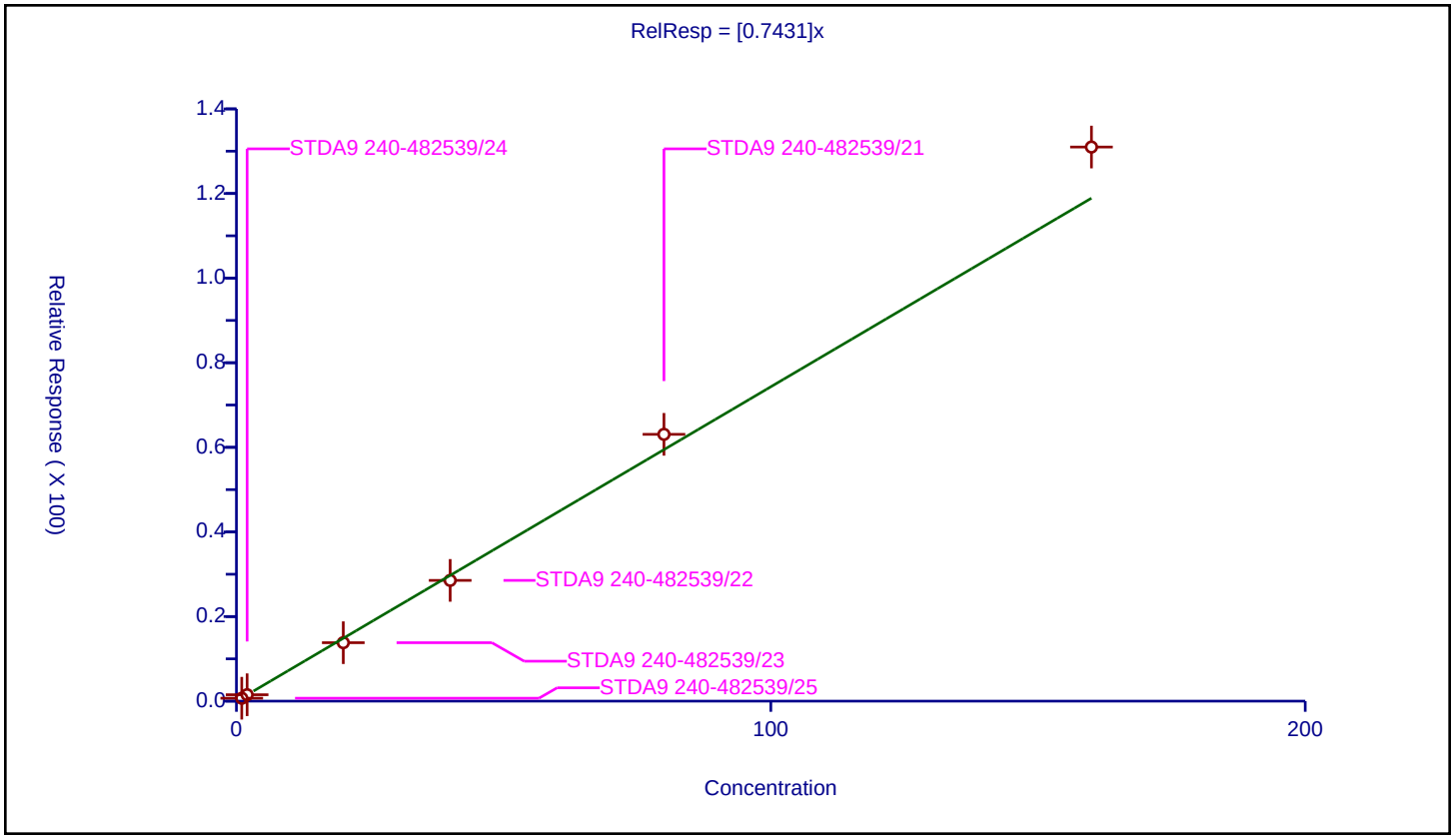
Curve Coefficients

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

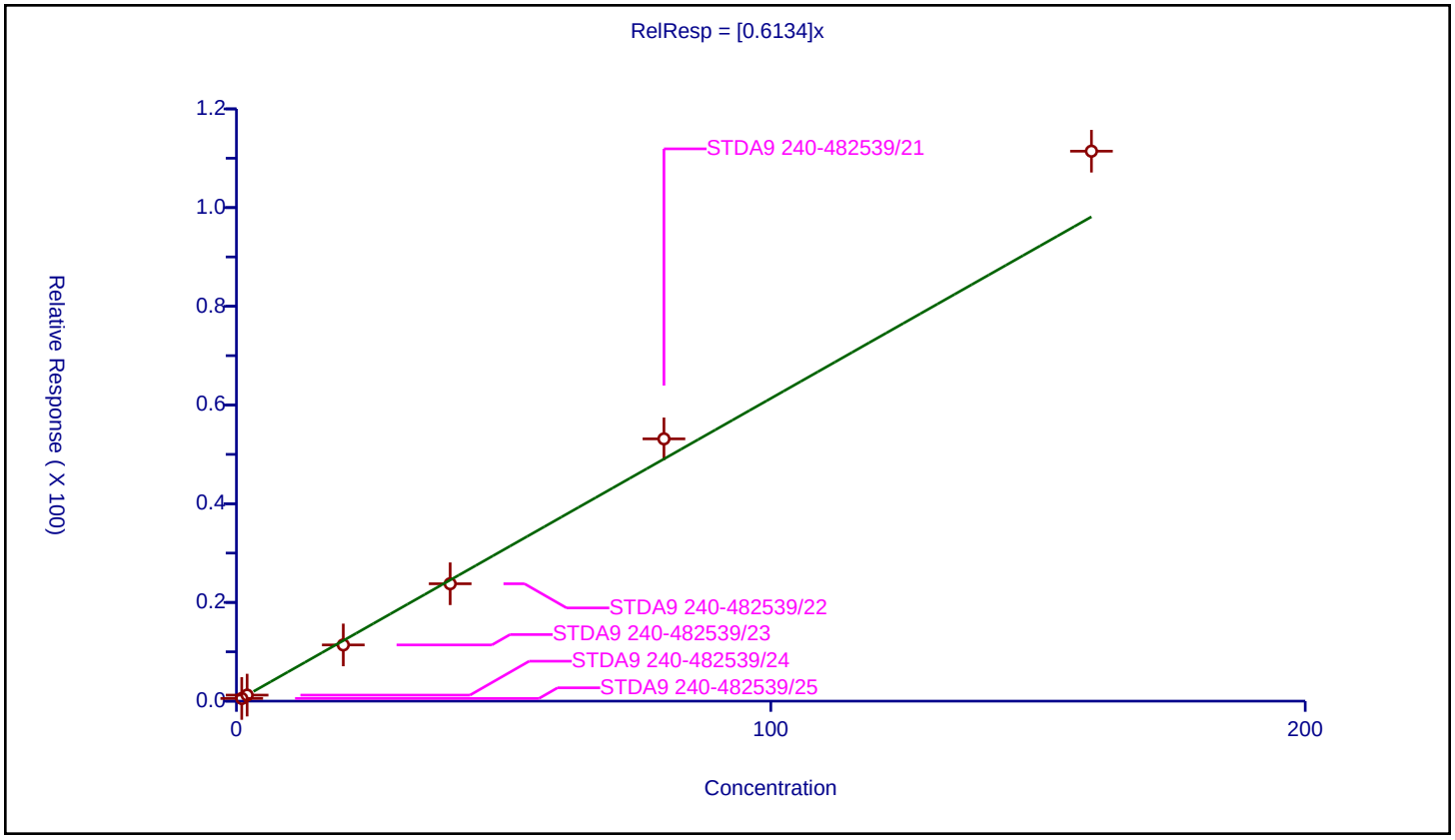
Curve Coefficients

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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1 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	18024	48715	199996	418905	0.500	1.00	2.50	10.0	20.0
			877580	1276174	1712382			40.0	60.0	80.0		
Cyclohexane	FB	Ave	7158	14028	39644	152214	347766	0.500	1.00	2.50	10.0	20.0
			728343	1072252	1459100			40.0	60.0	80.0		
1,1-Dichloropropene	FB	Ave	7666	15175	43613	170497	357821	0.500	1.00	2.50	10.0	20.0
			750322	1113586	1484375			40.0	60.0	80.0		
Isobutyl alcohol	FB	Ave	9495	17494	55528	229227	464929	12.5	25.0	62.5	250	500
			998922	1576451	2130077			1000	1500	2000		
Carbon tetrachloride	FB	Ave	8030	15105	43726	183252	385278	0.500	1.00	2.50	10.0	20.0
			810280	1202992	1627938			40.0	60.0	80.0		
Benzene	FB	Ave	20249	43667	115189	460853	952903	0.500	1.00	2.50	10.0	20.0
			2003230	2963085	3917149			40.0	60.0	80.0		
1,2-Dichloroethane	FB	Ave	8938	16671	44665	178516	360698	0.500	1.00	2.50	10.0	20.0
			749297	1102747	1475760			40.0	60.0	80.0		
n-Heptane	FB	Lin1	+++++	+++++	48458	93124	173275	+++++	+++++	2.50	10.0	20.0
			329417	463217	627661			40.0	60.0	80.0		
Trichloroethene	FB	Ave	6782	14359	35179	142073	290279	0.500	1.00	2.50	10.0	20.0
			616198	919622	1209926			40.0	60.0	80.0		
Methylcyclohexane	FB	Ave	8307	16661	46144	173955	395716	0.500	1.00	2.50	10.0	20.0
			827997	1192345	1679100			40.0	60.0	80.0		
1,2-Dichloropropane	FB	Ave	5010	11288	27420	110587	231719	0.500	1.00	2.50	10.0	20.0
			491864	719856	973150			40.0	60.0	80.0		
1,4-Dioxane	FB	Ave	+++++	2823	7289	44929	87849	+++++	20.0	50.0	200	400
			205334	309931	397399			800	1200	1600		
Dibromomethane	FB	Ave	4922	10584	25370	101387	207940	0.500	1.00	2.50	10.0	20.0
			434983	648028	842017			40.0	60.0	80.0		
Bromodichloromethane	FB	Ave	7510	15980	39169	164877	330939	0.500	1.00	2.50	10.0	20.0
			721776	1070608	1430067			40.0	60.0	80.0		
2-Chloroethyl vinyl ether	FB	Ave	7319	16462	40443	173149	340785	1.00	2.00	5.00	20.0	40.0
			777211	1129957	1495153			80.0	120	160		
cis-1,3-Dichloropropene	FB	Ave	9268	18514	46447	189799	387475	0.500	1.00	2.50	10.0	20.0
			844591	1250146	1671489			40.0	60.0	80.0		
4-Methyl-2-pentanone	FB	Ave	18027	36112	88969	377036	748704	1.00	2.00	5.00	20.0	40.0
			1625903	2362866	3136460			80.0	120	160		

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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

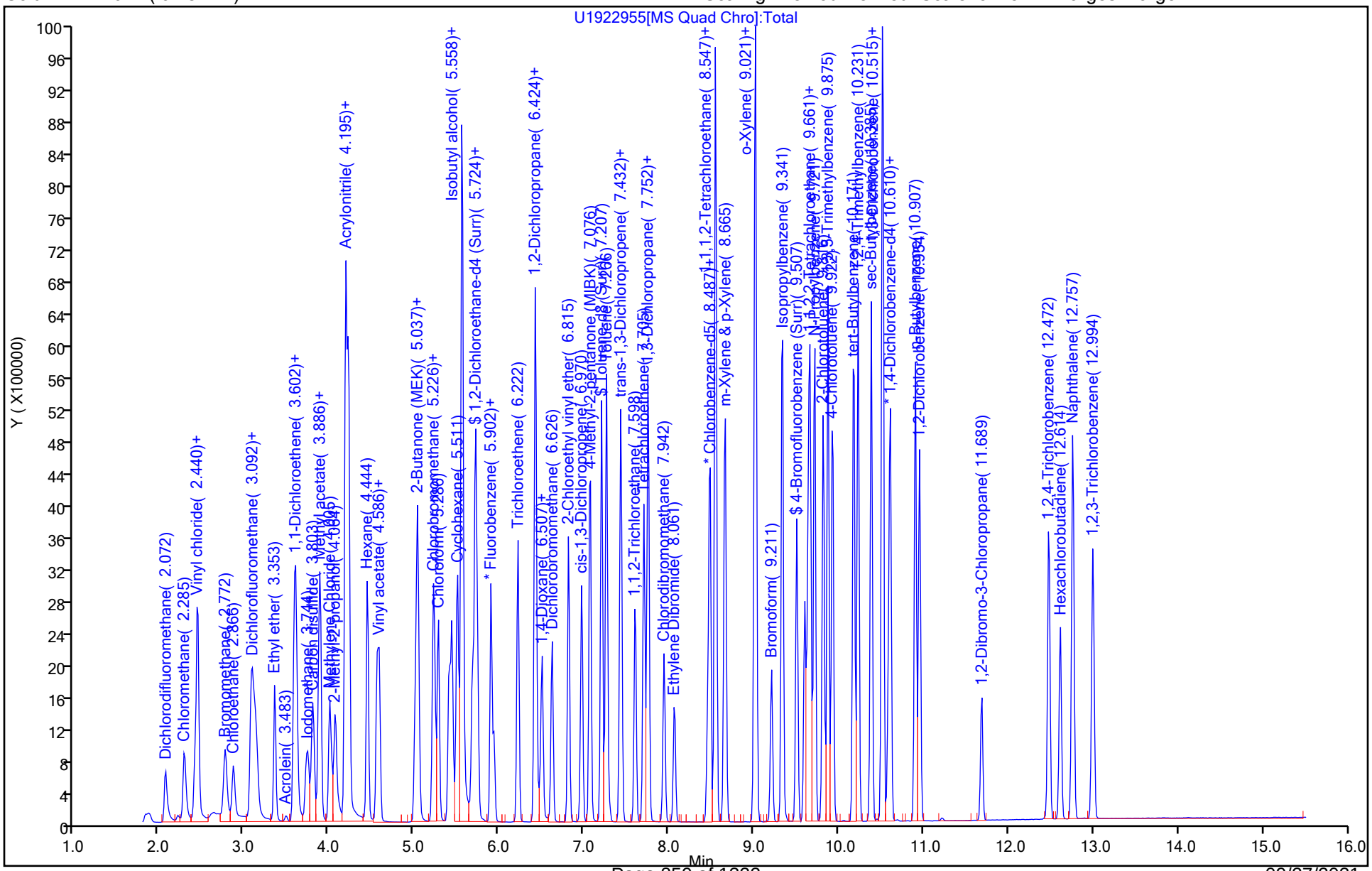
Report Date: 12-Jul-2021 14:48:25 Chrom Revision: 2.3 13-May-2021 07:57:40

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

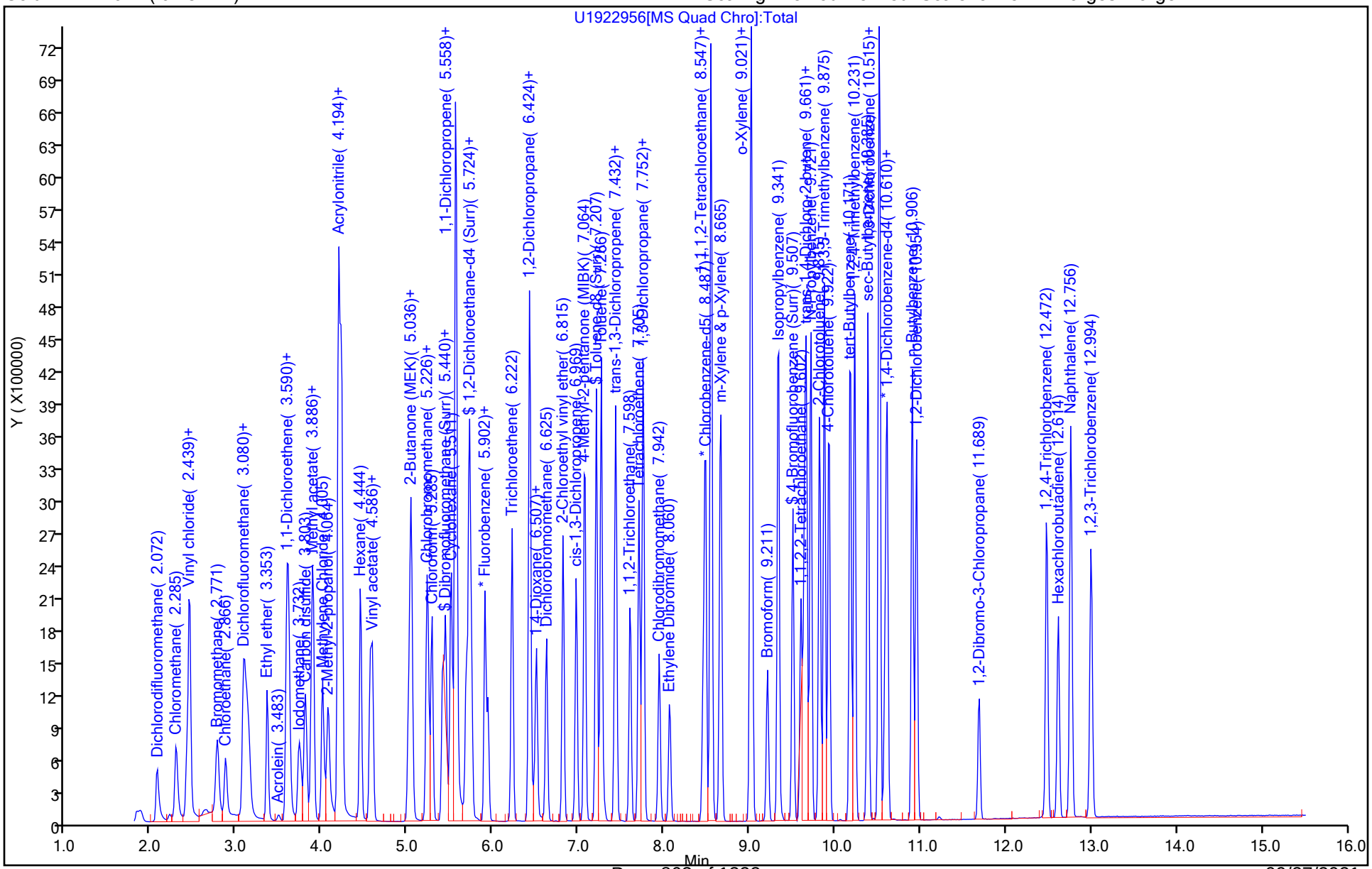
Report Date: 12-Jul-2021 14:48:31 Chrom Revision: 2.3 13-May-2021 07:57:40

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

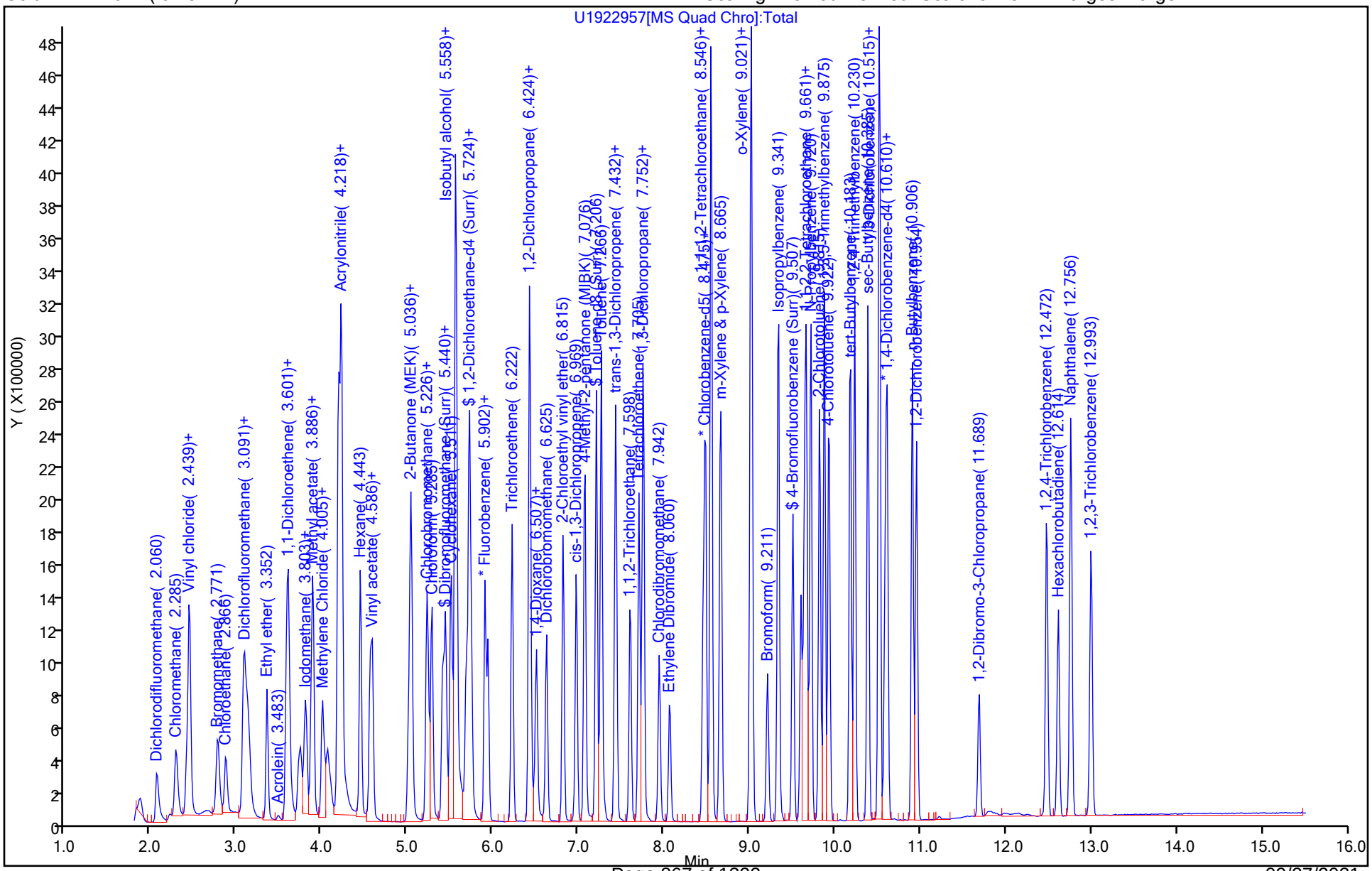
Report Date: 12-Jul-2021 14:48:40 Chrom Revision: 2.3 13-May-2021 07:57:40

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

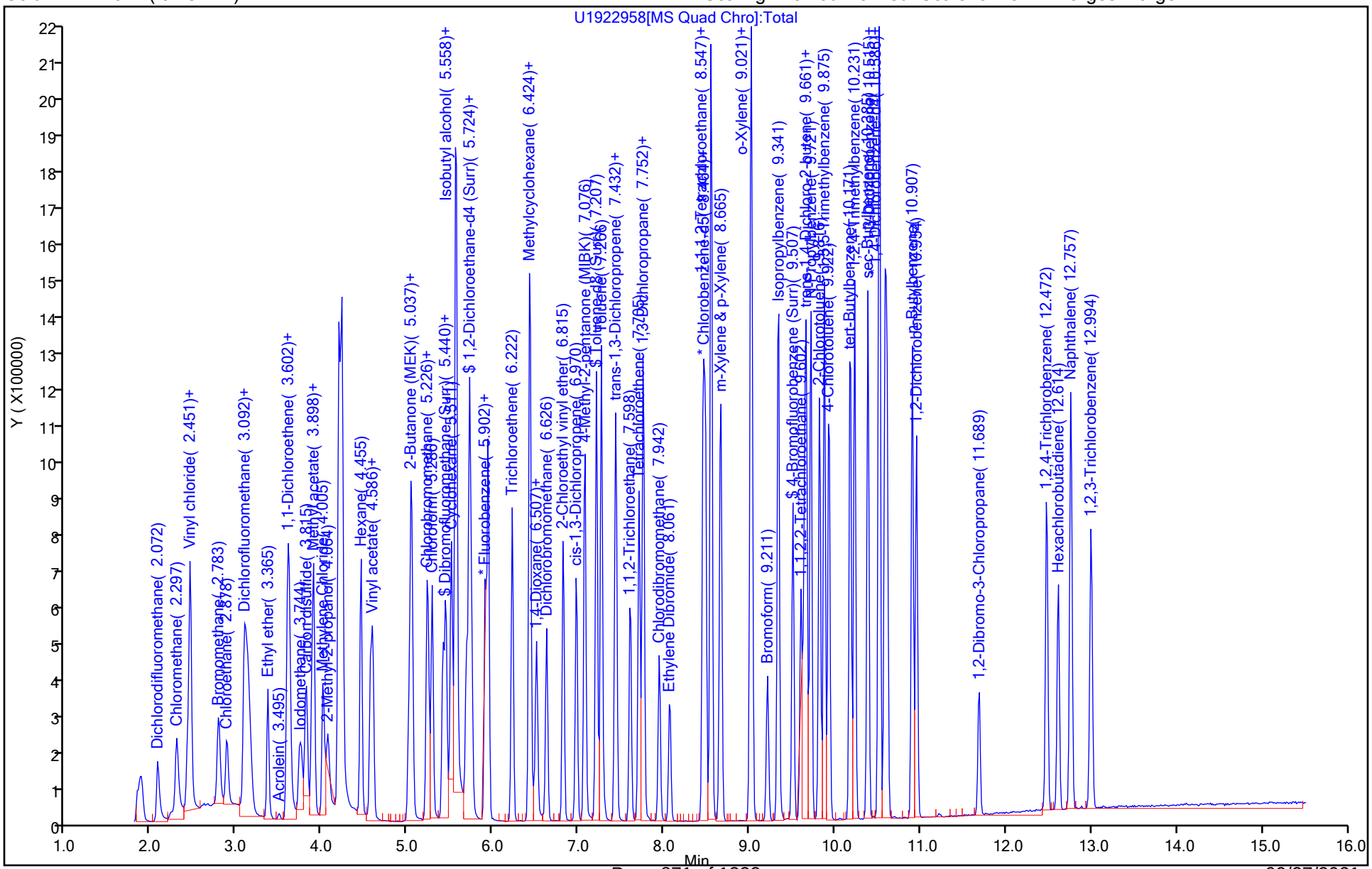
Report Date: 12-Jul-2021 14:48:46 Chrom Revision: 2.3 13-May-2021 07:57:40

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

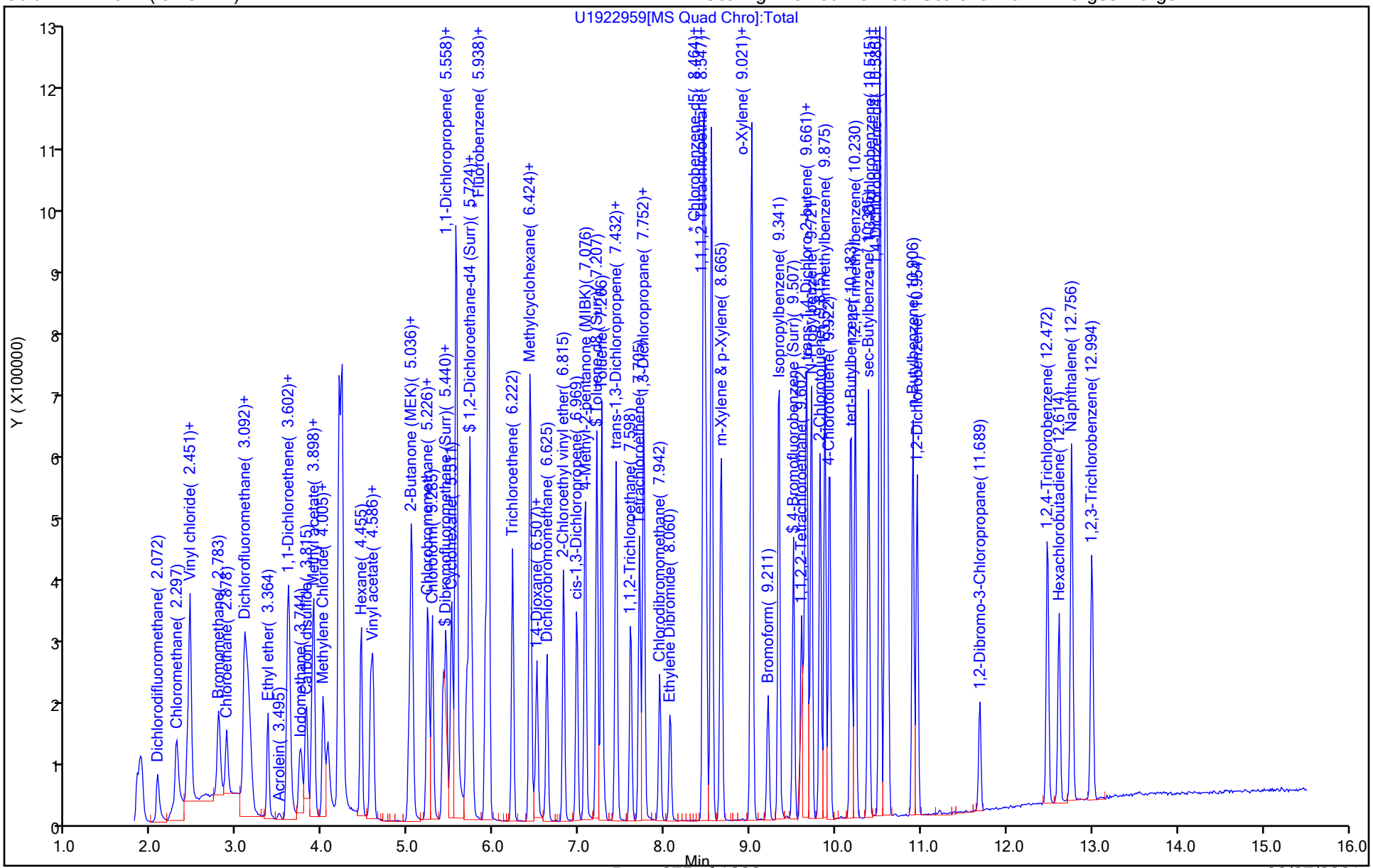
Report Date: 12-Jul-2021 14:48:52 Chrom Revision: 2.3 13-May-2021 07:57:40

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

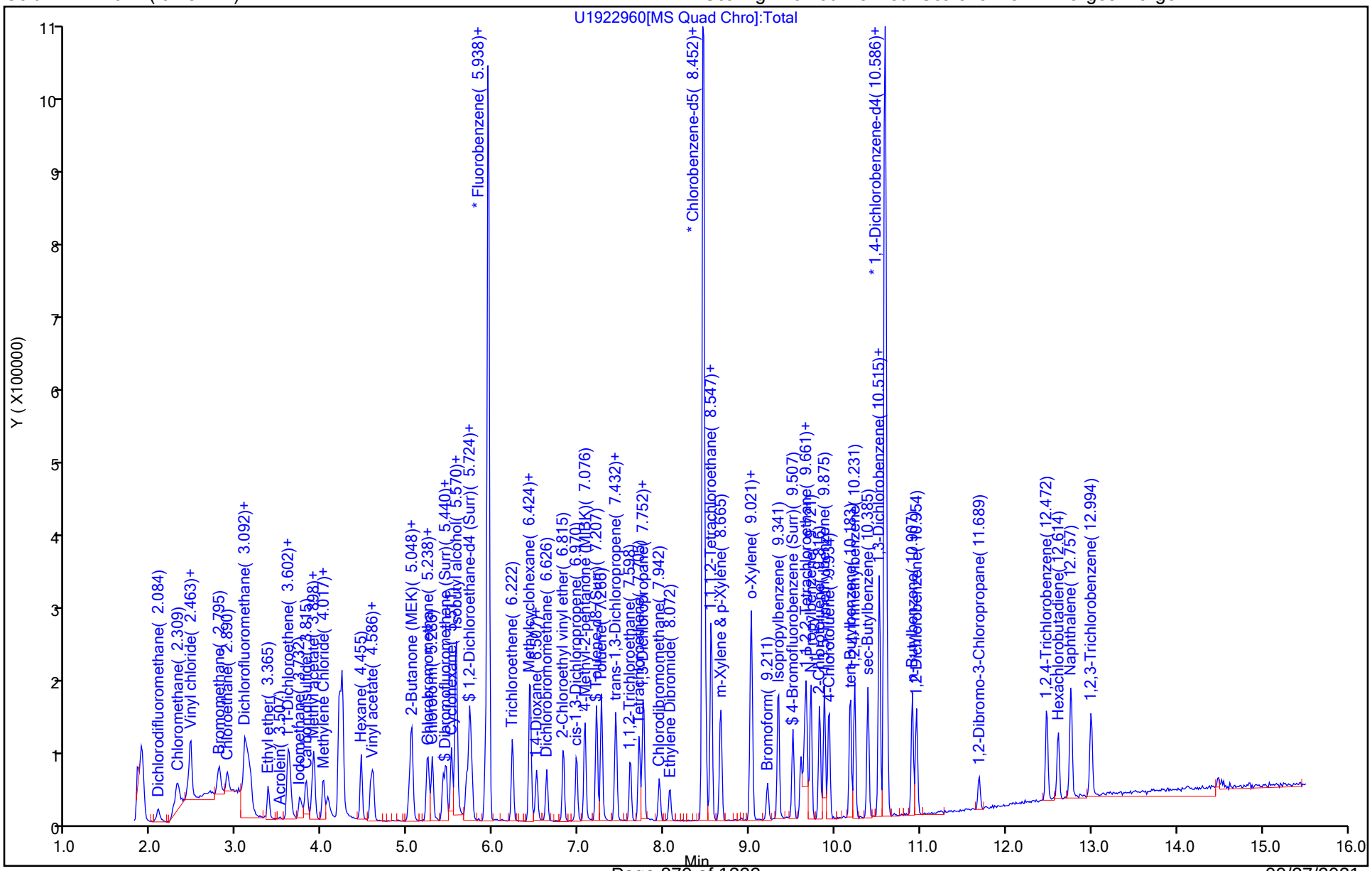
Report Date: 12-Jul-2021 14:48:59 Chrom Revision: 2.3 13-May-2021 07:57:40

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:

vm50is_stk_A_00008	Amount Added:	2.00	Units: uL
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

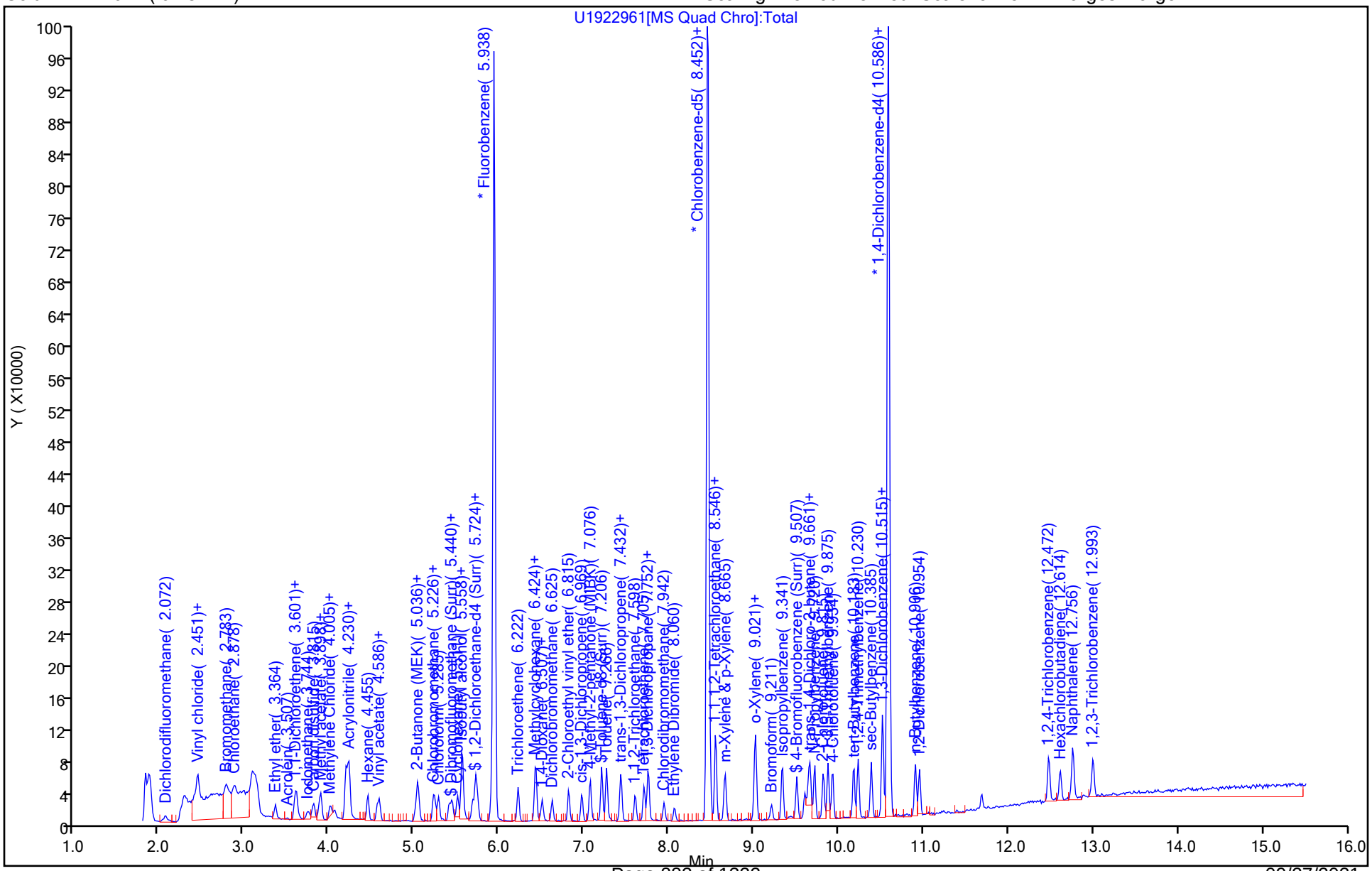
Report Date: 12-Jul-2021 14:49:05 Chrom Revision: 2.3 13-May-2021 07:57:40

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

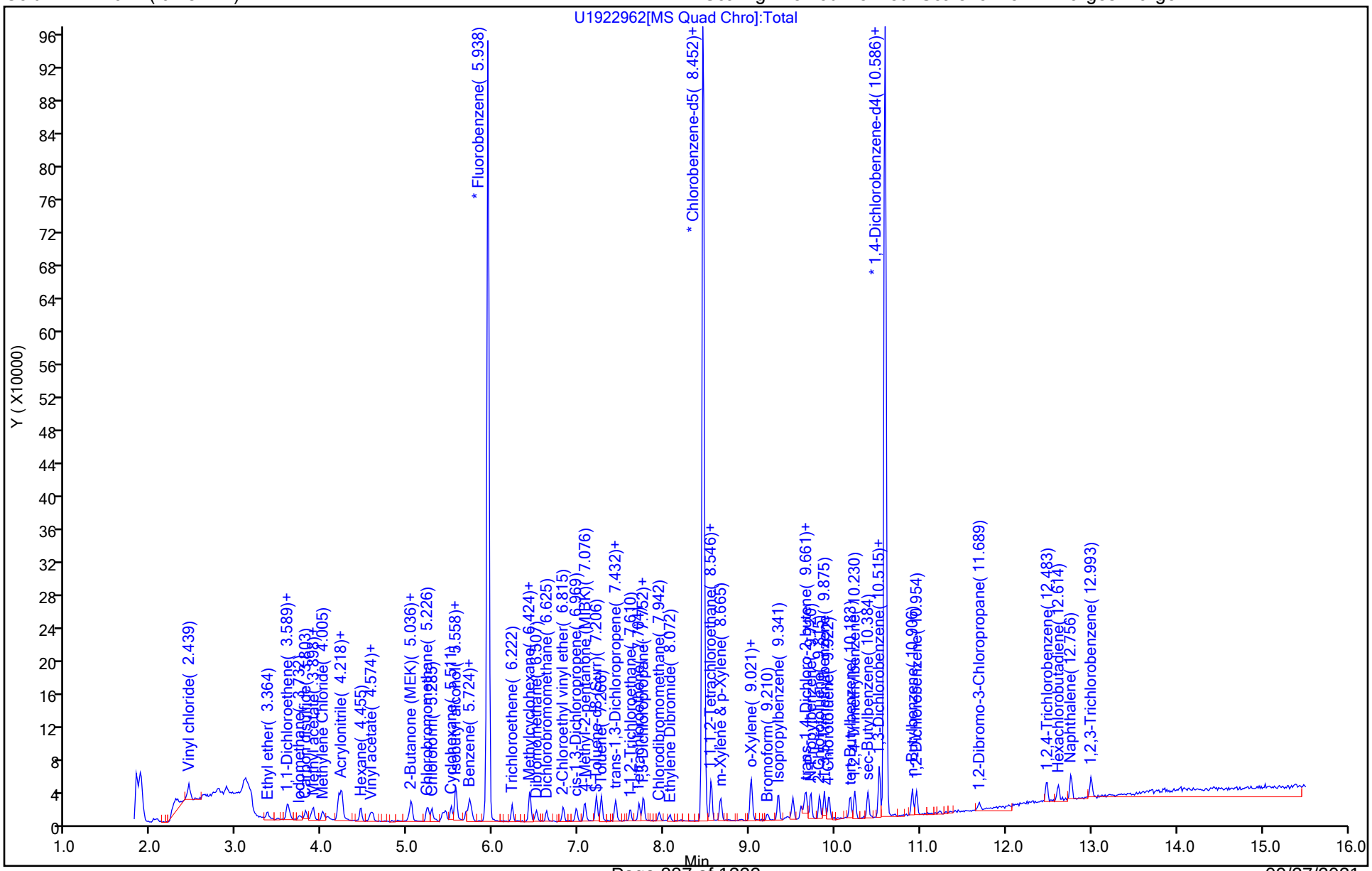
Report Date: 12-Jul-2021 14:49:12 Chrom Revision: 2.3 13-May-2021 07:57:40

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



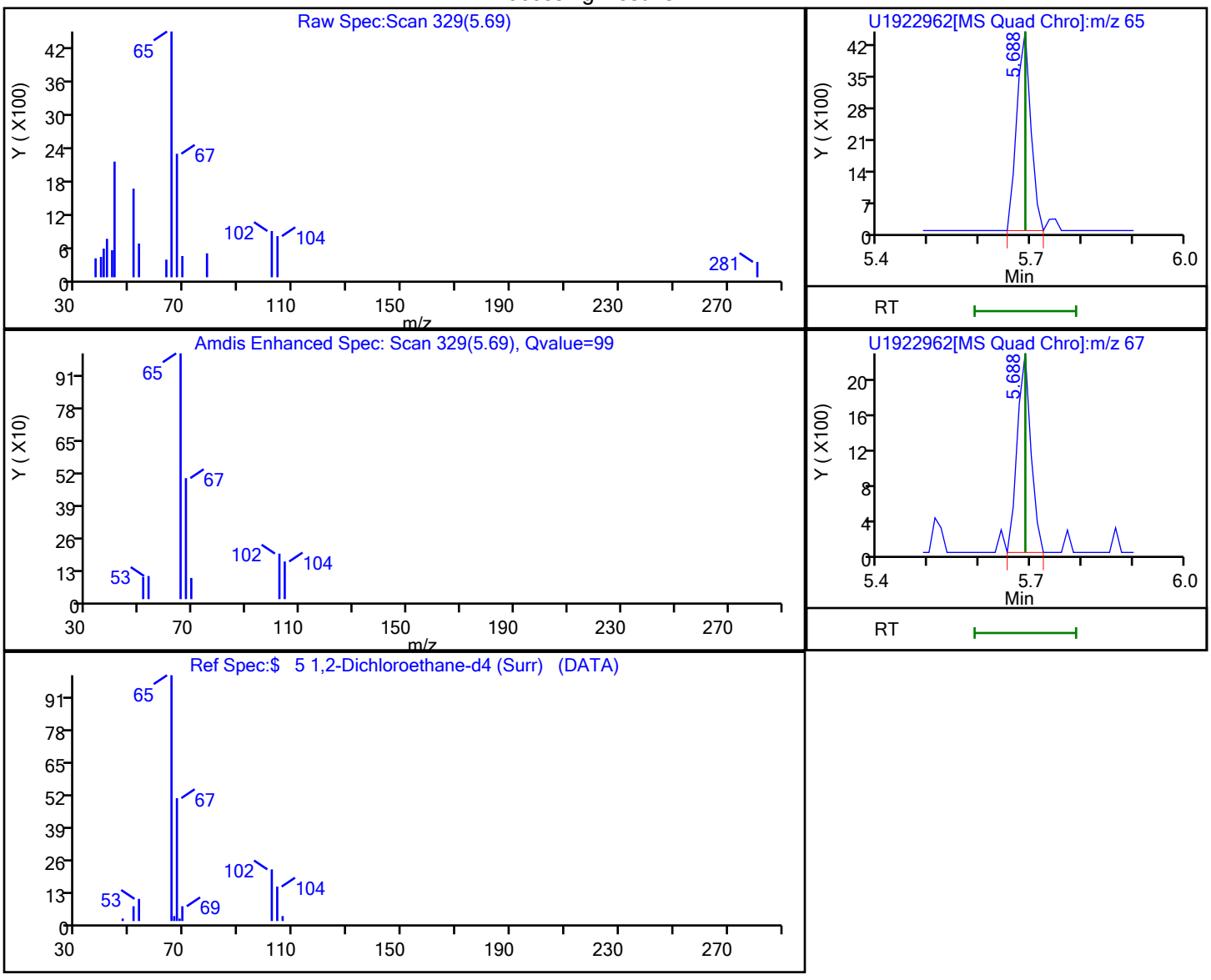
User Disabled Compound Report

Eurofins TestAmerica, Canton

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		

$ 5 1,2-Dichloroethane-d4 (Surr), CAS: 17060-07-0

Processing Results



RT	Mass	Response	Amount
5.69	65.00	8590	0.606742
5.69	67.00	4181	

Reviewer: laveyt, 12-Jul-2021 14:43:48

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

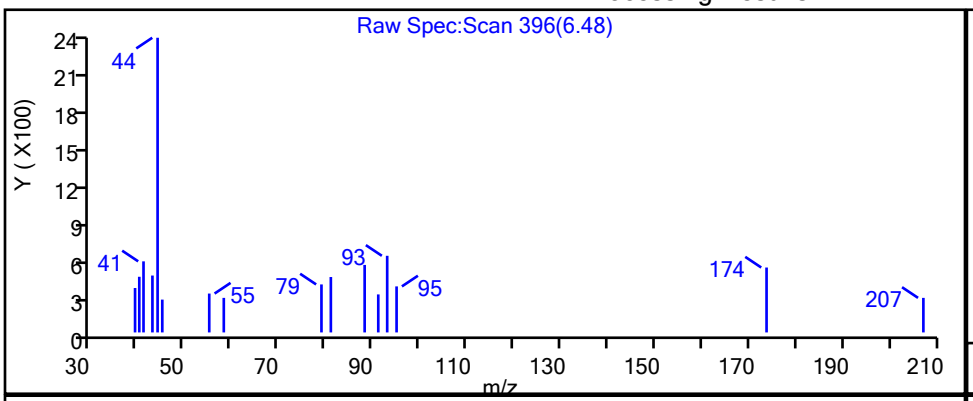
User Disabled Compound Report

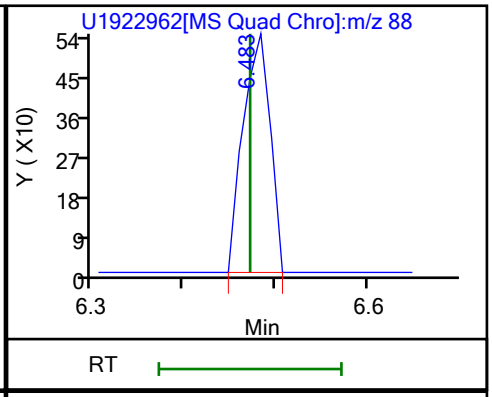
Eurofins TestAmerica, Canton

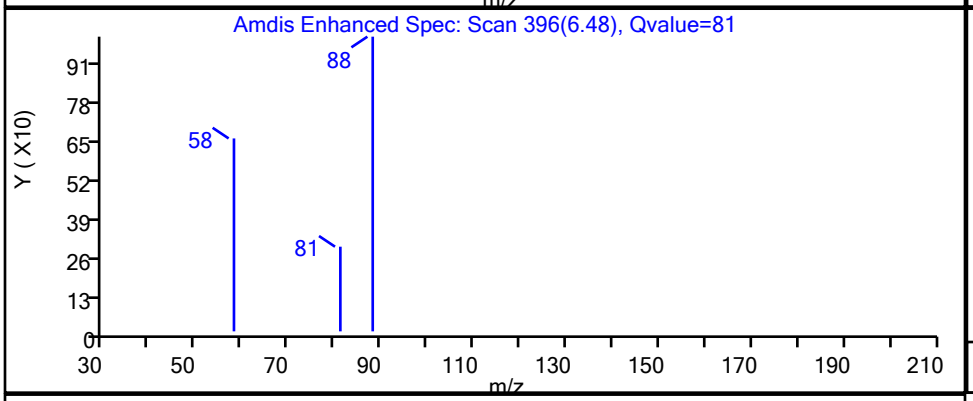
Data File:	\\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922962.d				
Injection Date:	10-Jul-2021 16:37:56	Instrument ID:	A3UX19		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

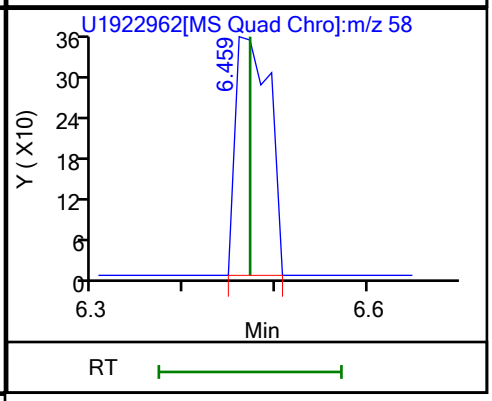
65 1,4-Dioxane, CAS: 123-91-1

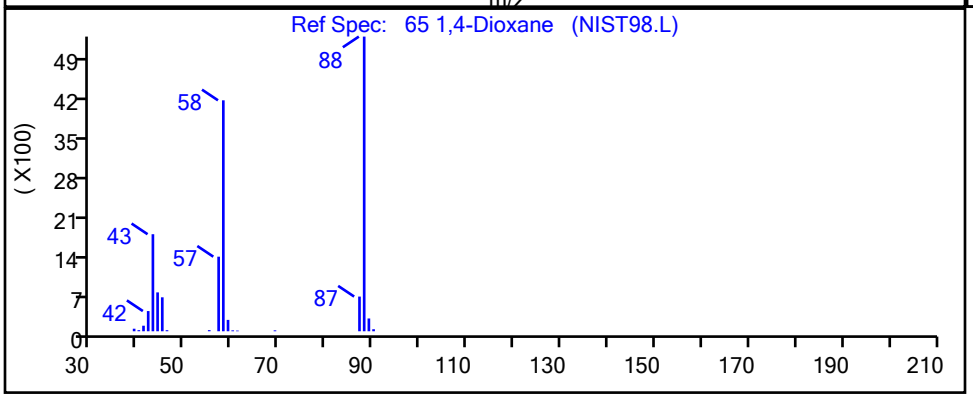
Processing Results











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

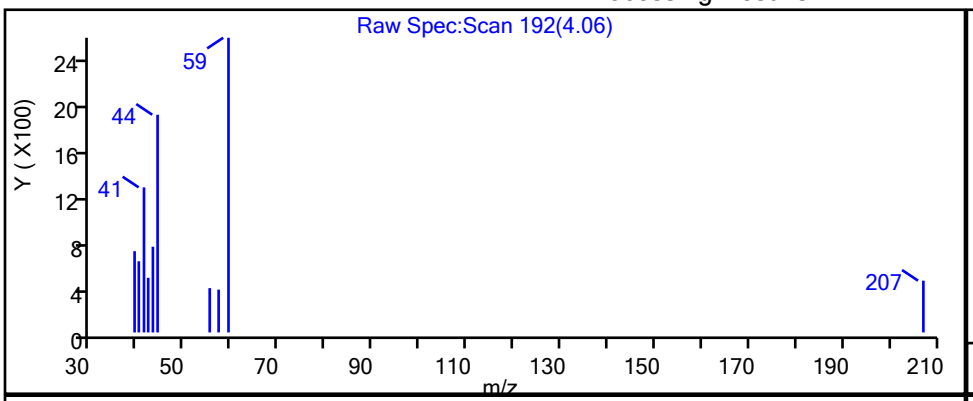
User Disabled Compound Report

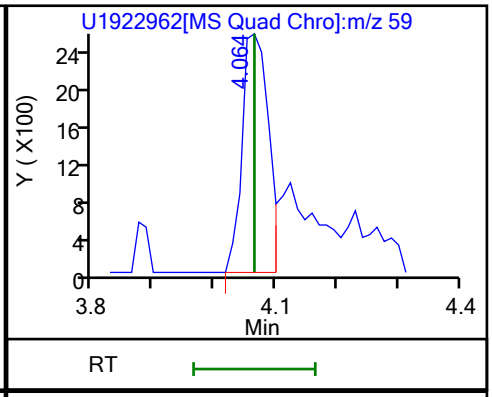
Eurofins TestAmerica, Canton

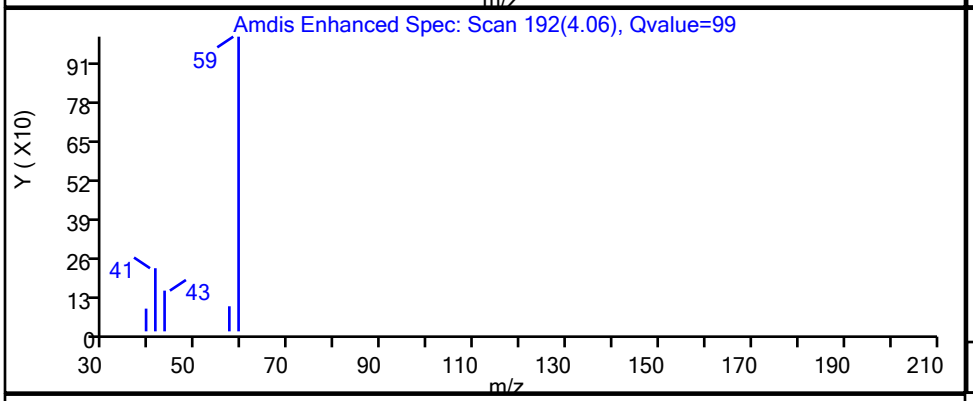
Data File:	\\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922962.d				
Injection Date:	10-Jul-2021 16:37:56	Instrument ID:	A3UX19		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

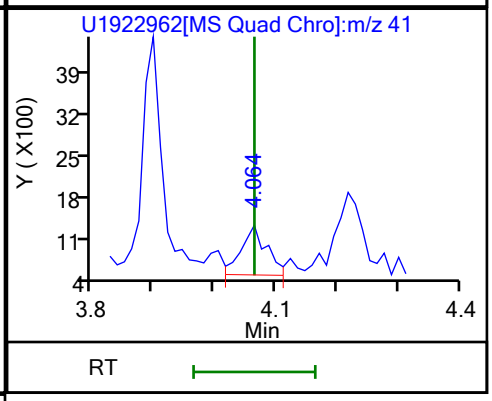
30 2-Methyl-2-propanol, CAS: 75-65-0

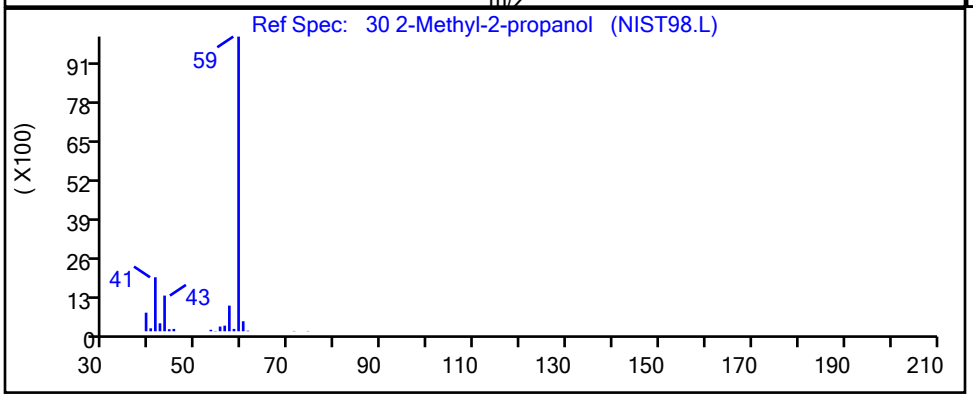
Processing Results











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

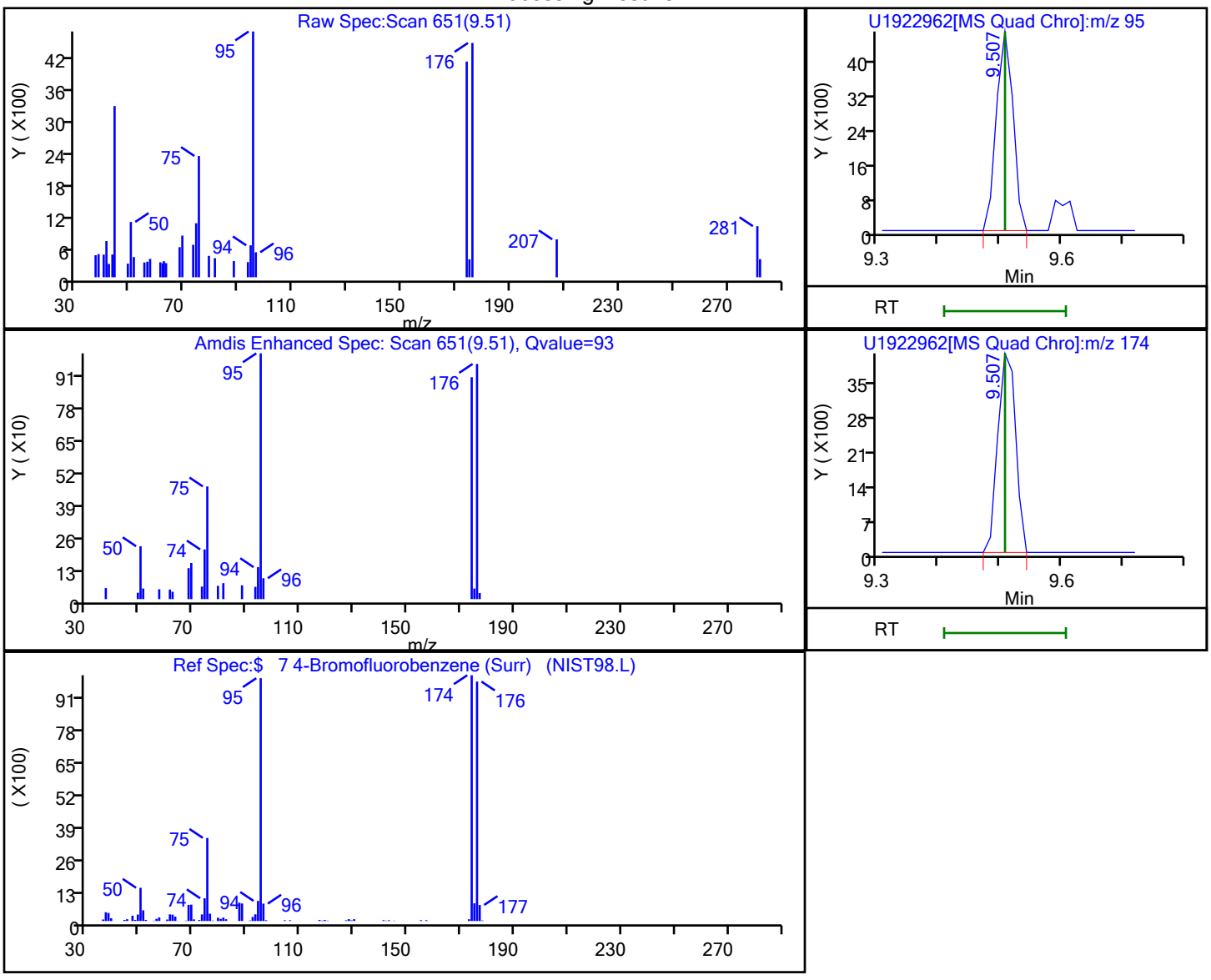
User Disabled Compound Report

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

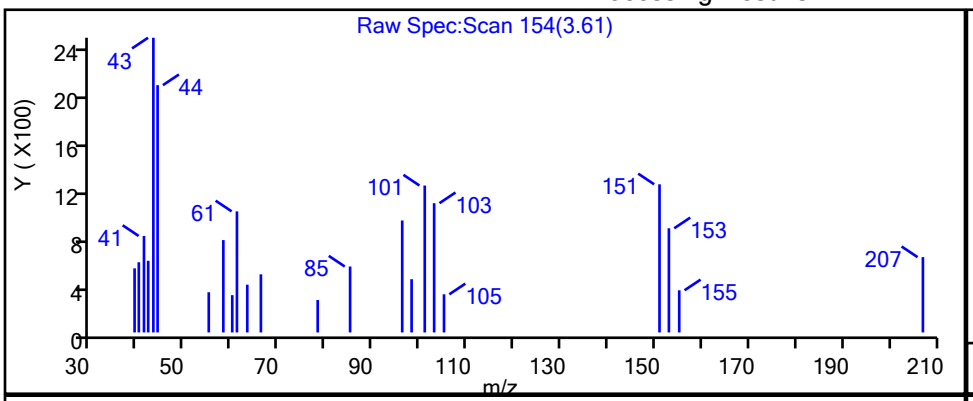
User Disabled Compound Report

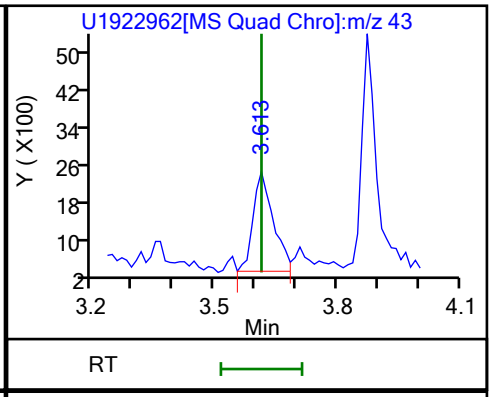
Eurofins TestAmerica, Canton

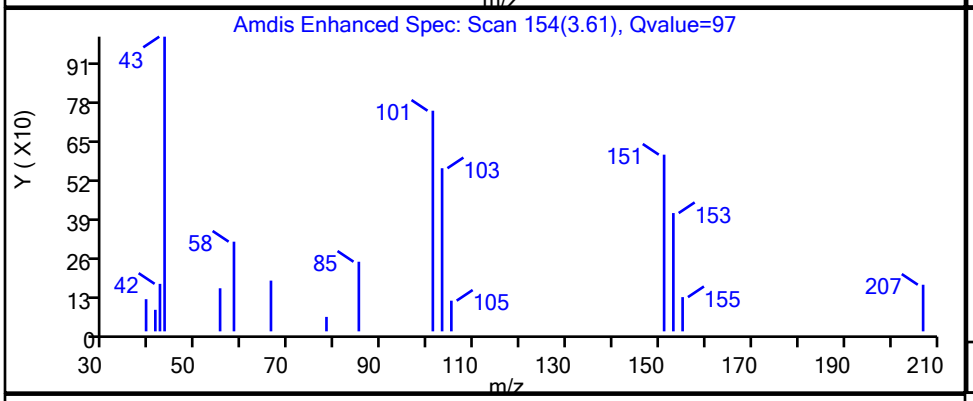
Data File:	\\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922962.d				
Injection Date:	10-Jul-2021 16:37:56	Instrument ID:	A3UX19		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

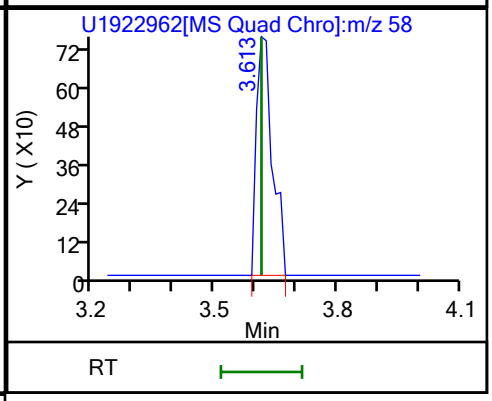
22 Acetone, CAS: 67-64-1

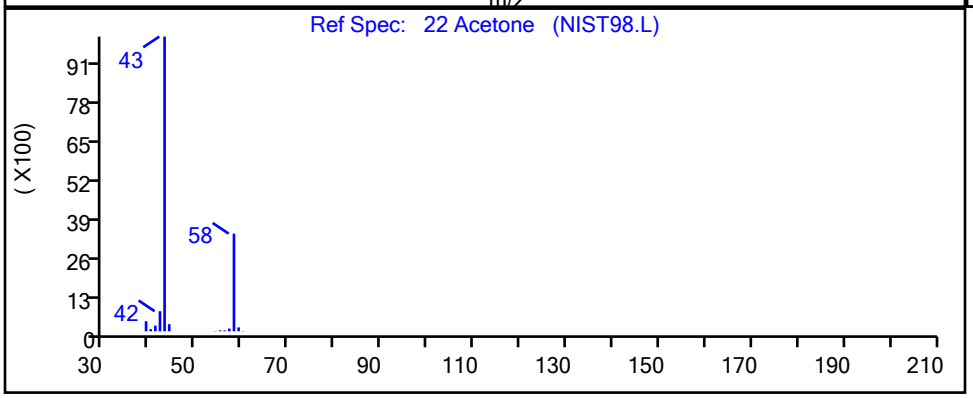
Processing Results











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

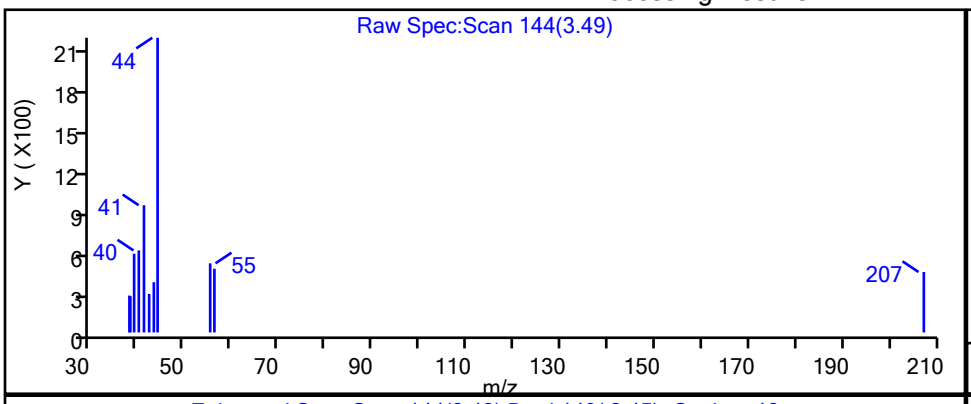
User Disabled Compound Report

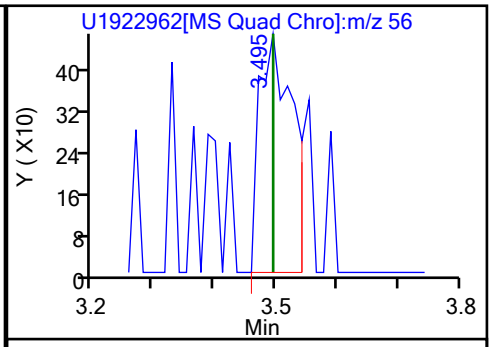
Eurofins TestAmerica, Canton

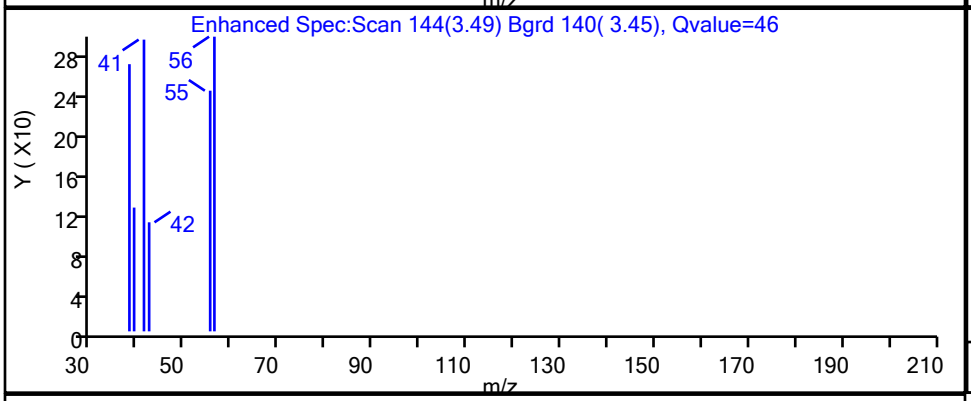
Data File: \\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922962.d
Injection Date: 10-Jul-2021 16:37:56 Instrument ID: A3UX19
Lims ID: std8260 L1
Client ID:
Operator ID: 001904 ALS Bottle#: 0 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_19 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

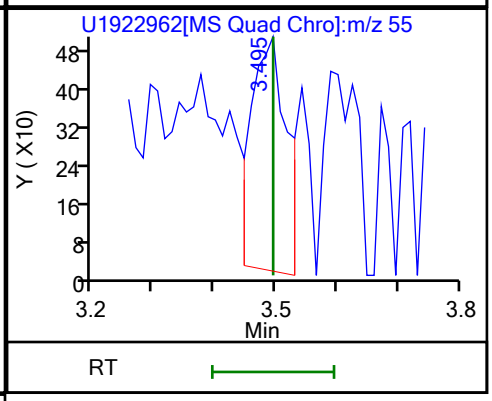
19 Acrolein, CAS: 107-02-8

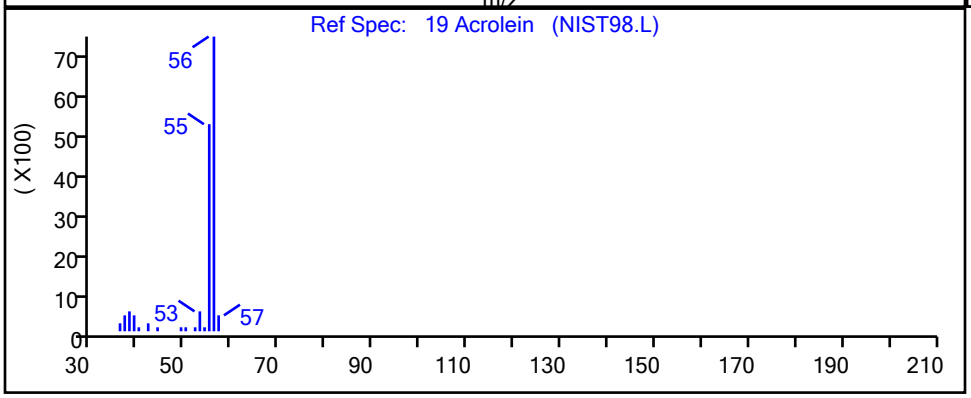
Processing Results











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

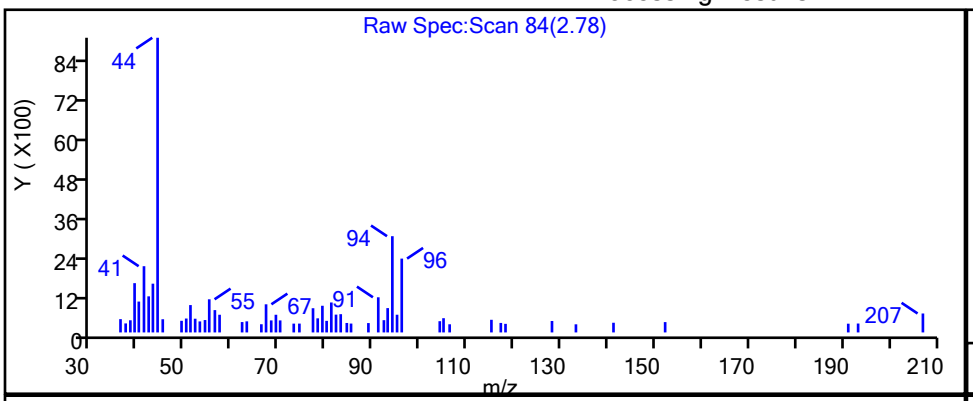
User Disabled Compound Report

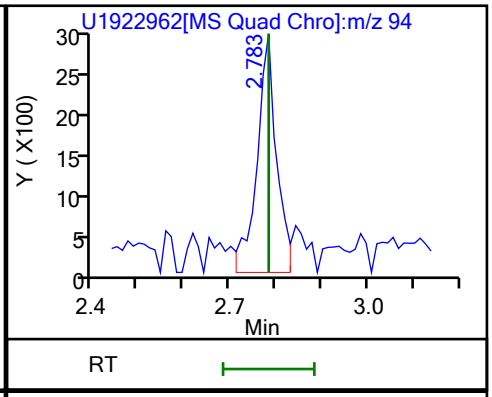
Eurofins TestAmerica, Canton

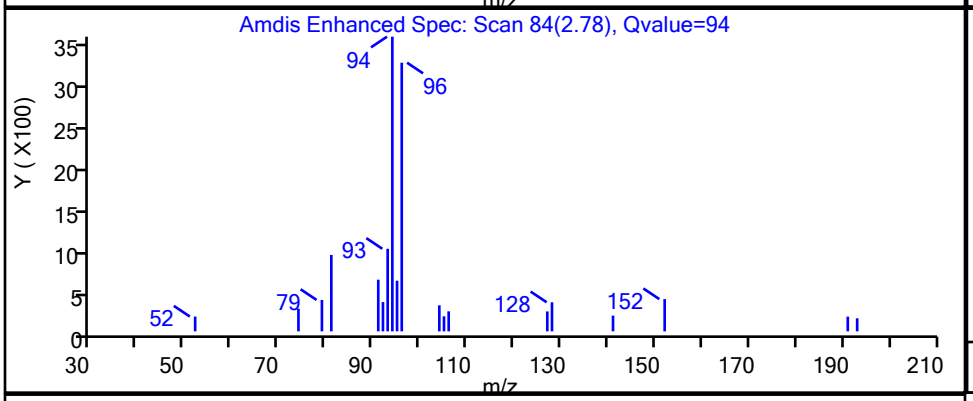
Data File:	\\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922962.d				
Injection Date:	10-Jul-2021 16:37:56	Instrument ID:	A3UX19		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

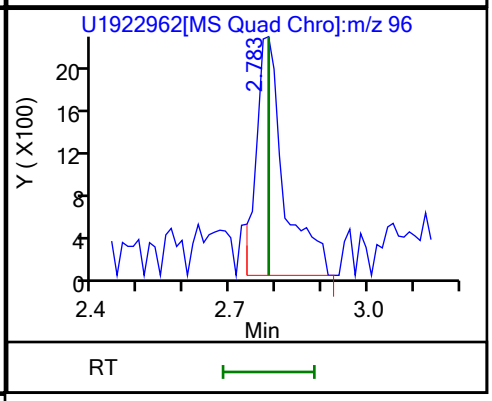
13 Bromomethane, CAS: 74-83-9

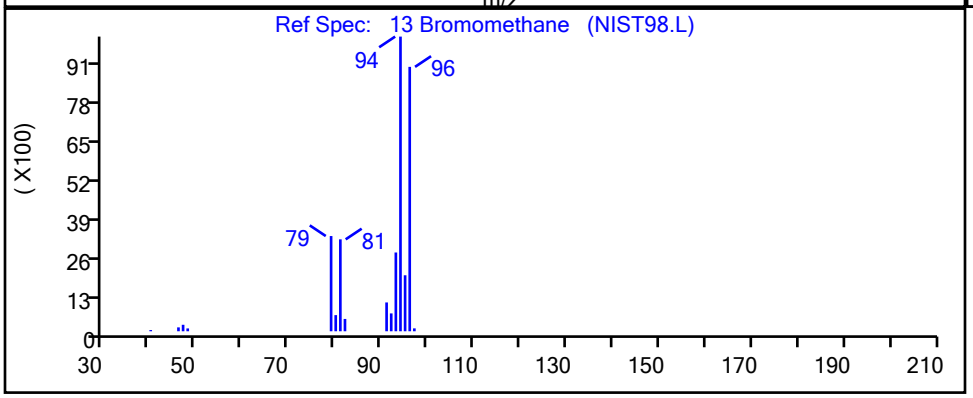
Processing Results











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

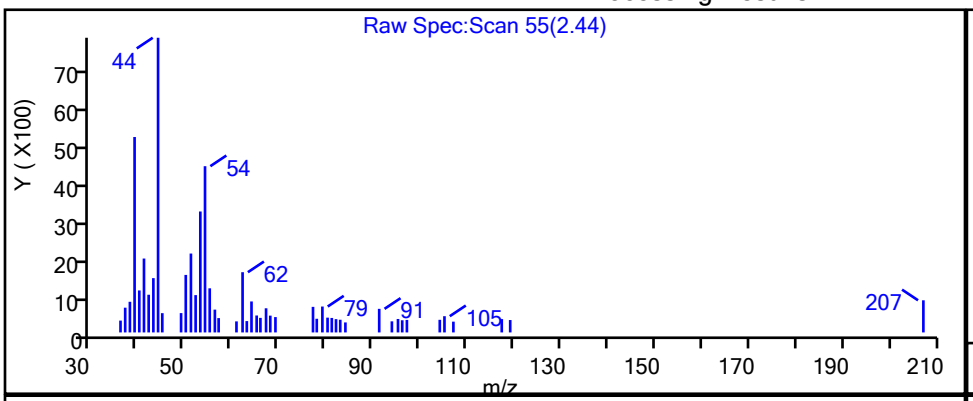
User Disabled Compound Report

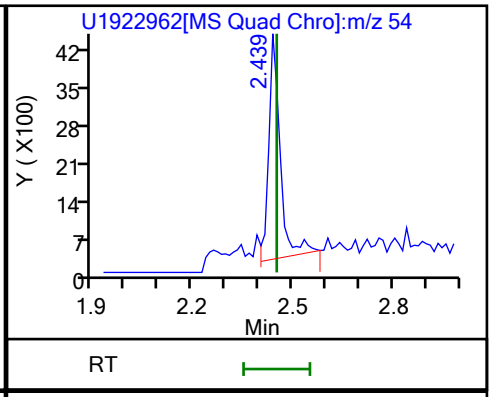
Eurofins TestAmerica, Canton

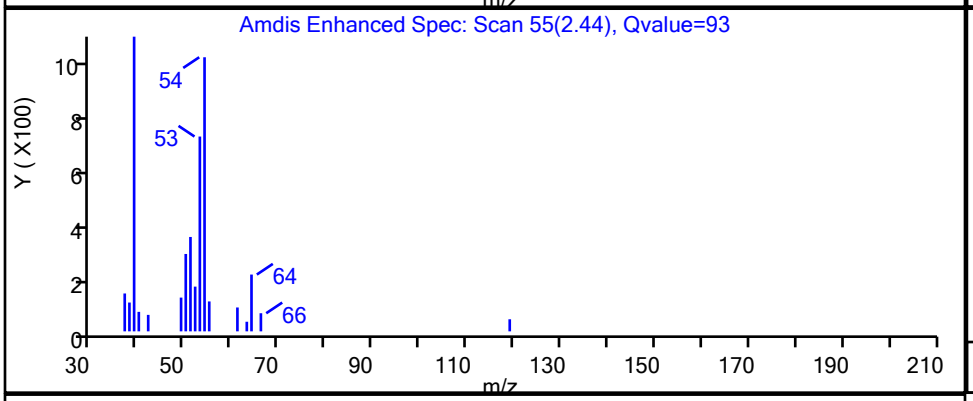
Data File:	\\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922962.d				
Injection Date:	10-Jul-2021 16:37:56	Instrument ID:	A3UX19		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

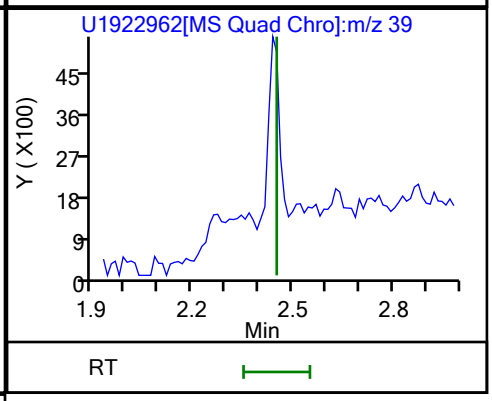
11 Butadiene, CAS: 106-99-0

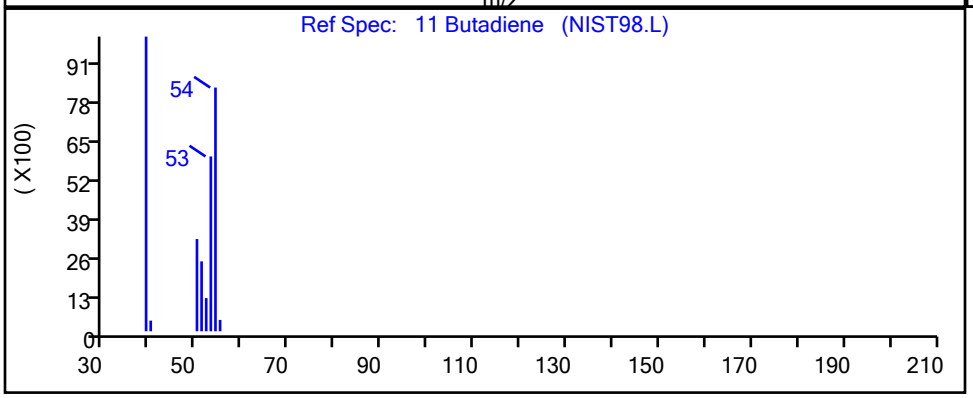
Processing Results











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

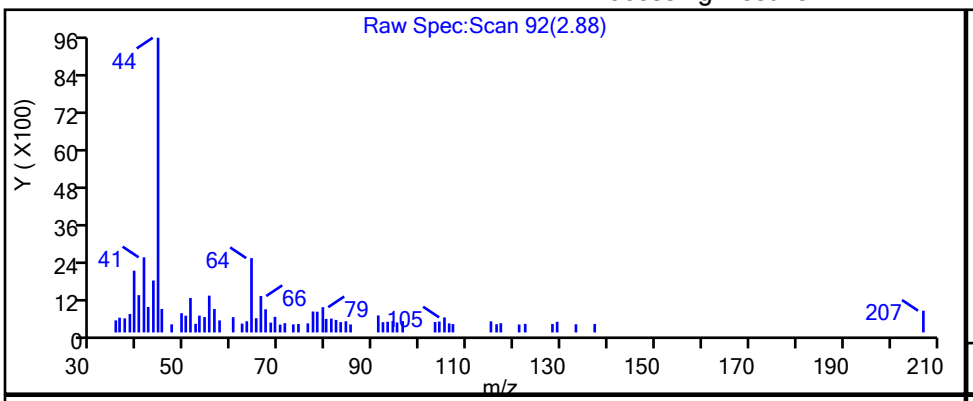
User Disabled Compound Report

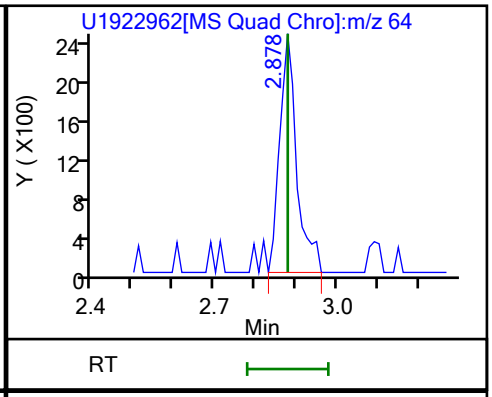
Eurofins TestAmerica, Canton

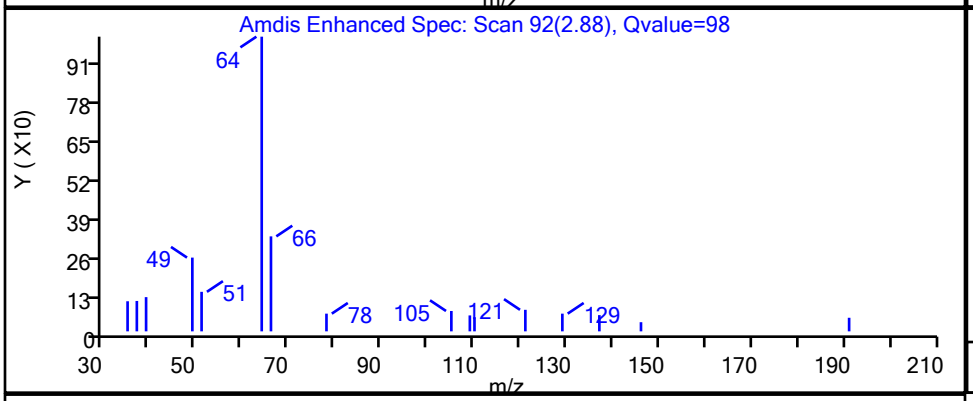
Data File:	\\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922962.d				
Injection Date:	10-Jul-2021 16:37:56	Instrument ID:	A3UX19		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

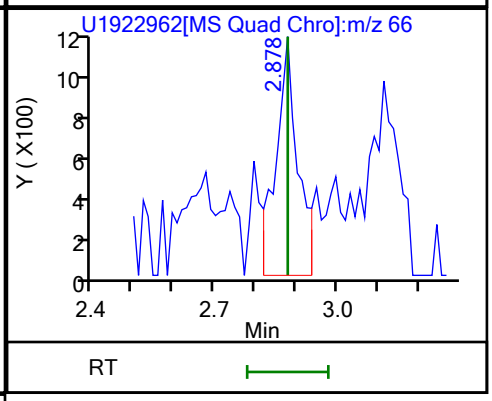
15 Chloroethane, CAS: 75-00-3

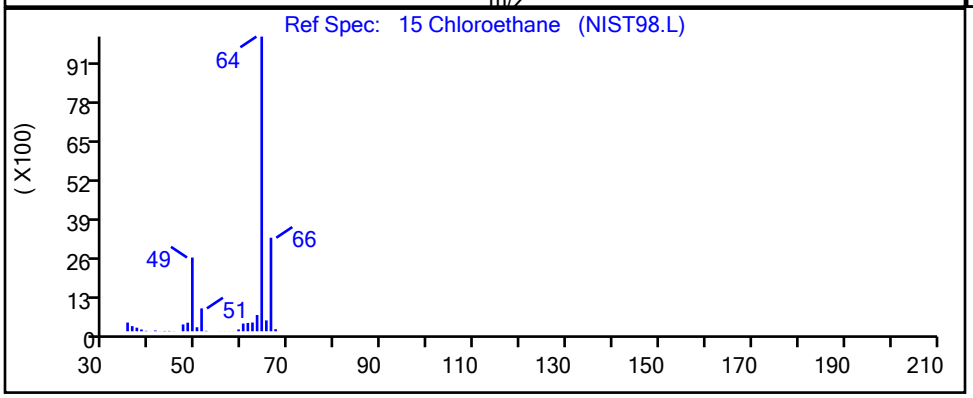
Processing Results











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

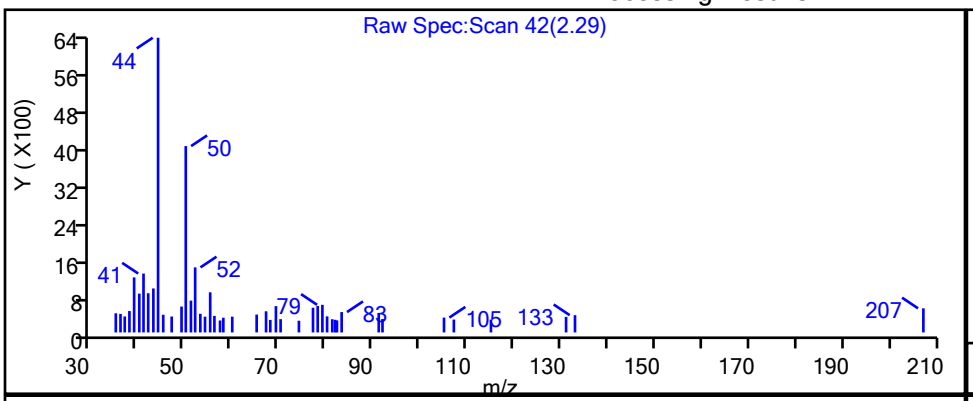
User Disabled Compound Report

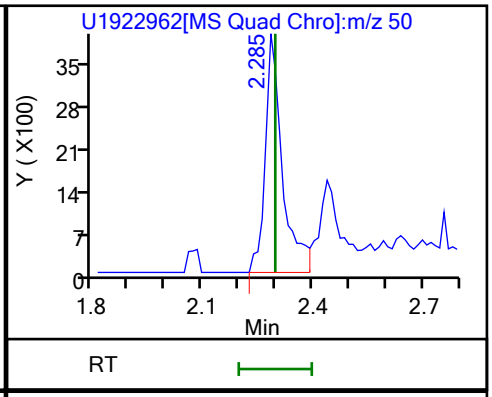
Eurofins TestAmerica, Canton

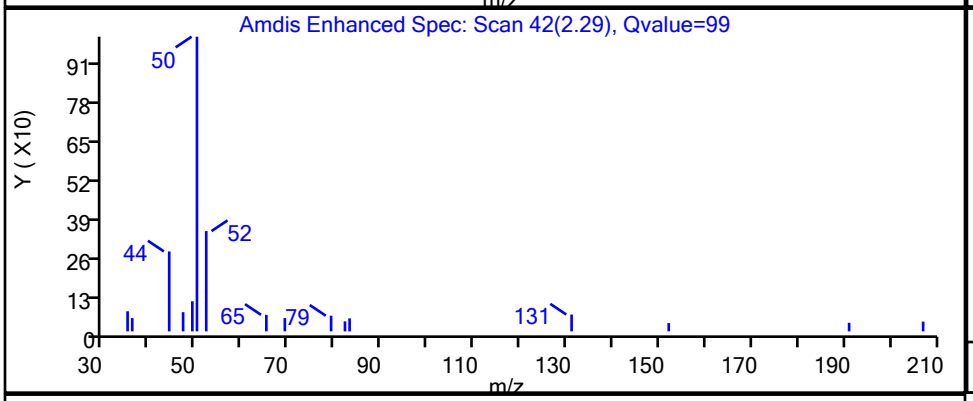
Data File:	\\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922962.d				
Injection Date:	10-Jul-2021 16:37:56	Instrument ID:	A3UX19		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

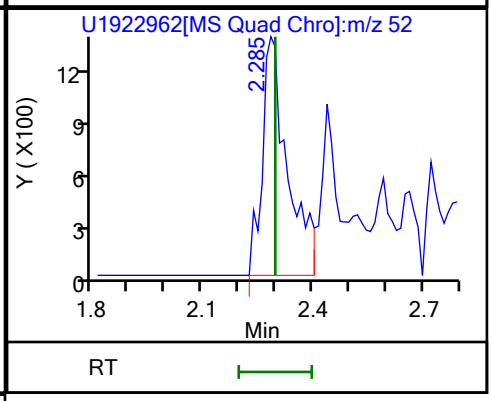
10 Chloromethane, CAS: 74-87-3

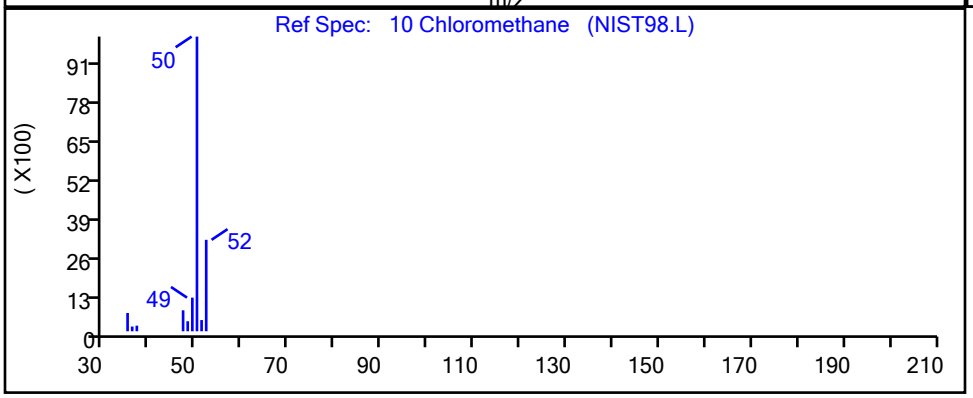
Processing Results











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

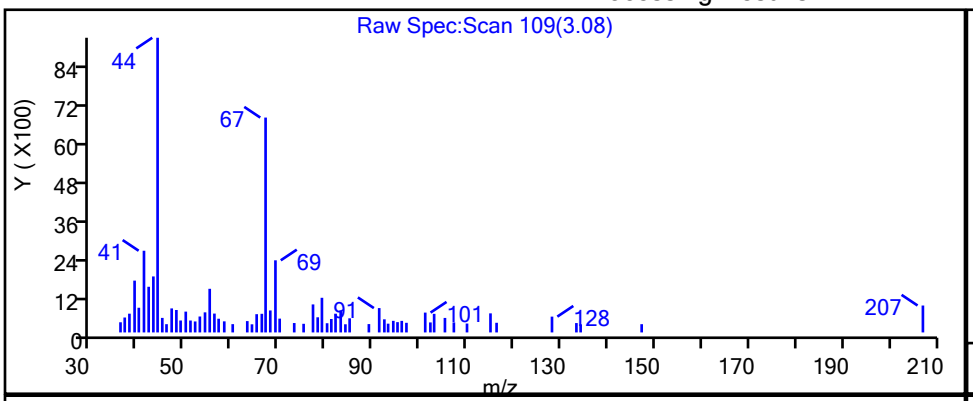
User Disabled Compound Report

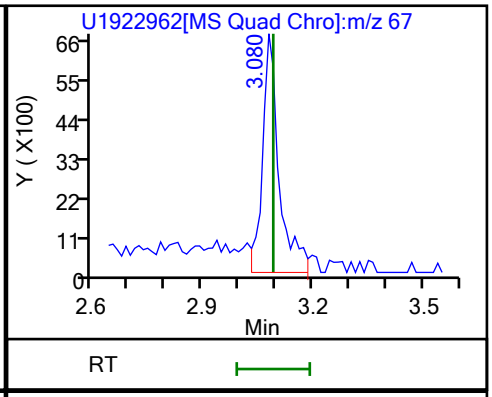
Eurofins TestAmerica, Canton

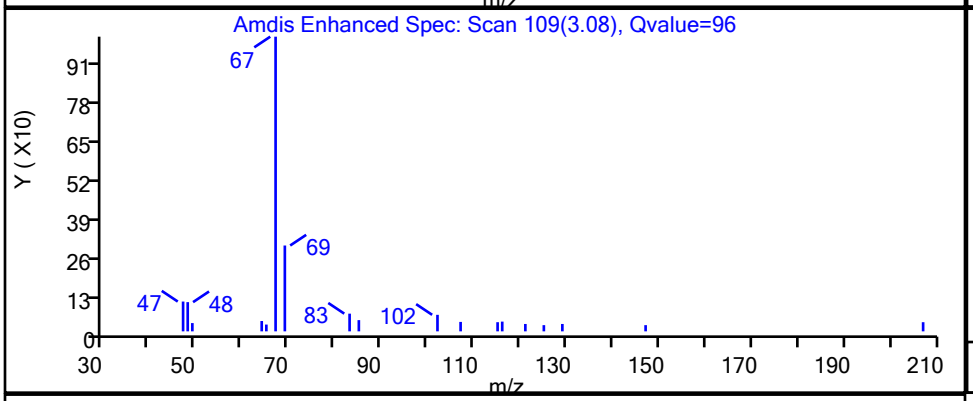
Data File:	\\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922962.d				
Injection Date:	10-Jul-2021 16:37:56	Instrument ID:	A3UX19		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

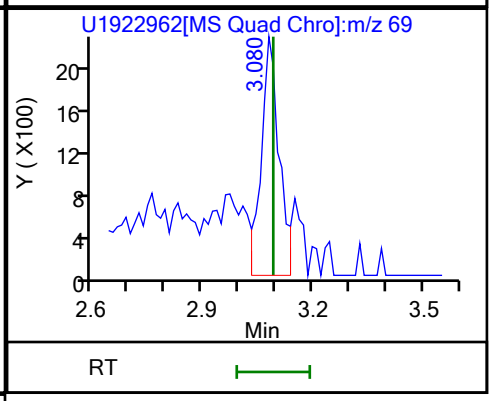
16 Dichlorofluoromethane, CAS: 75-43-4

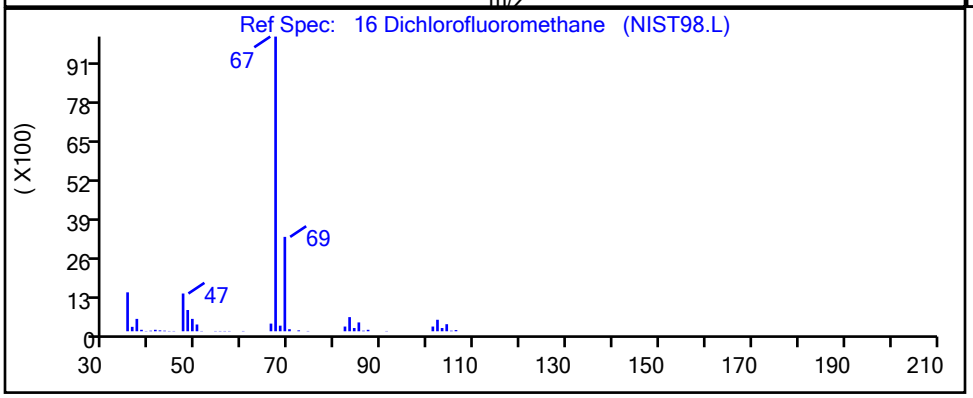
Processing Results











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

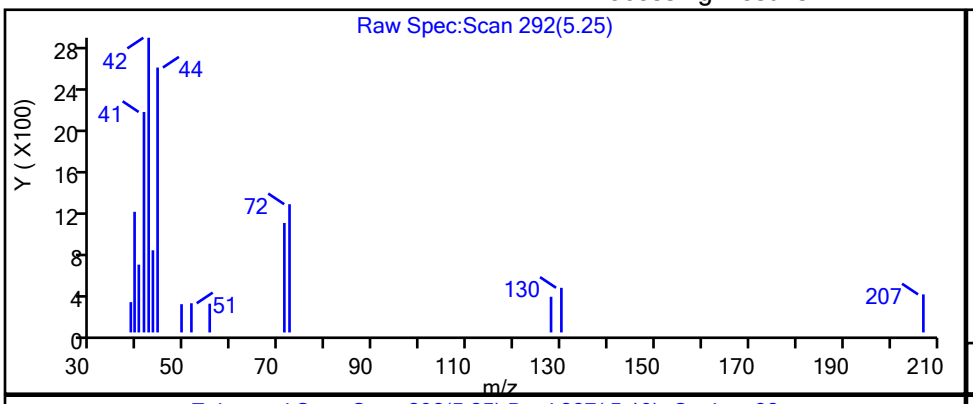
User Disabled Compound Report

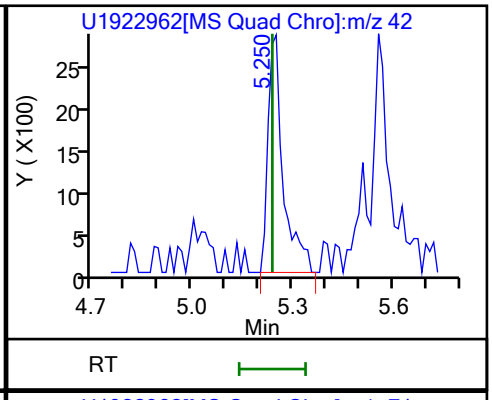
Eurofins TestAmerica, Canton

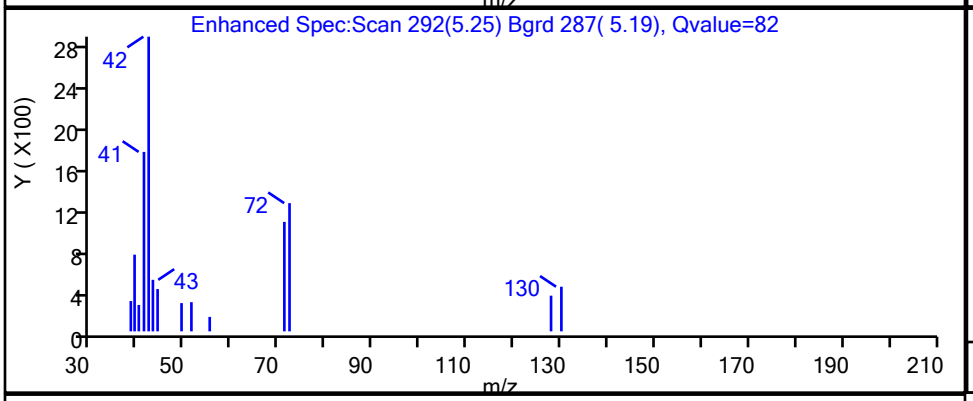
Data File:	\\chromfs\Canton\ChromData\A3UX19\20210710-111101.b\U1922962.d				
Injection Date:	10-Jul-2021 16:37:56	Instrument ID:	A3UX19		
Lims ID:	std8260 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

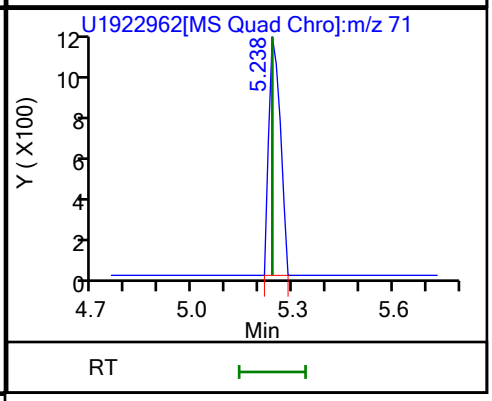
47 Tetrahydrofuran, CAS: 109-99-9

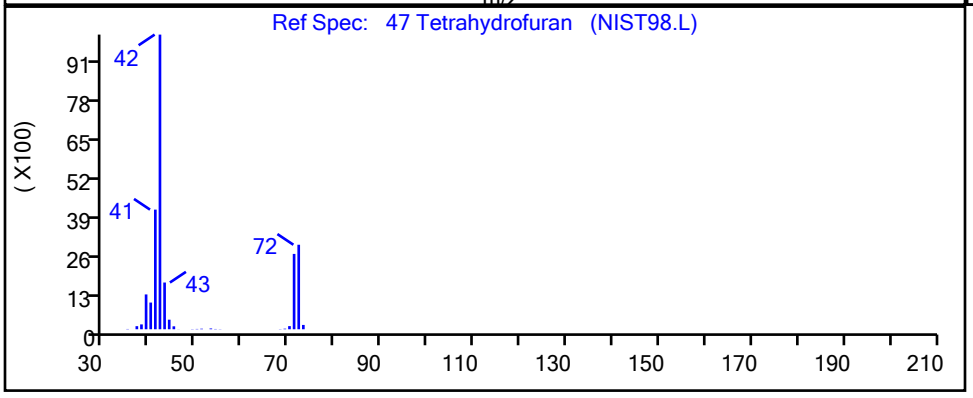
Processing Results











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

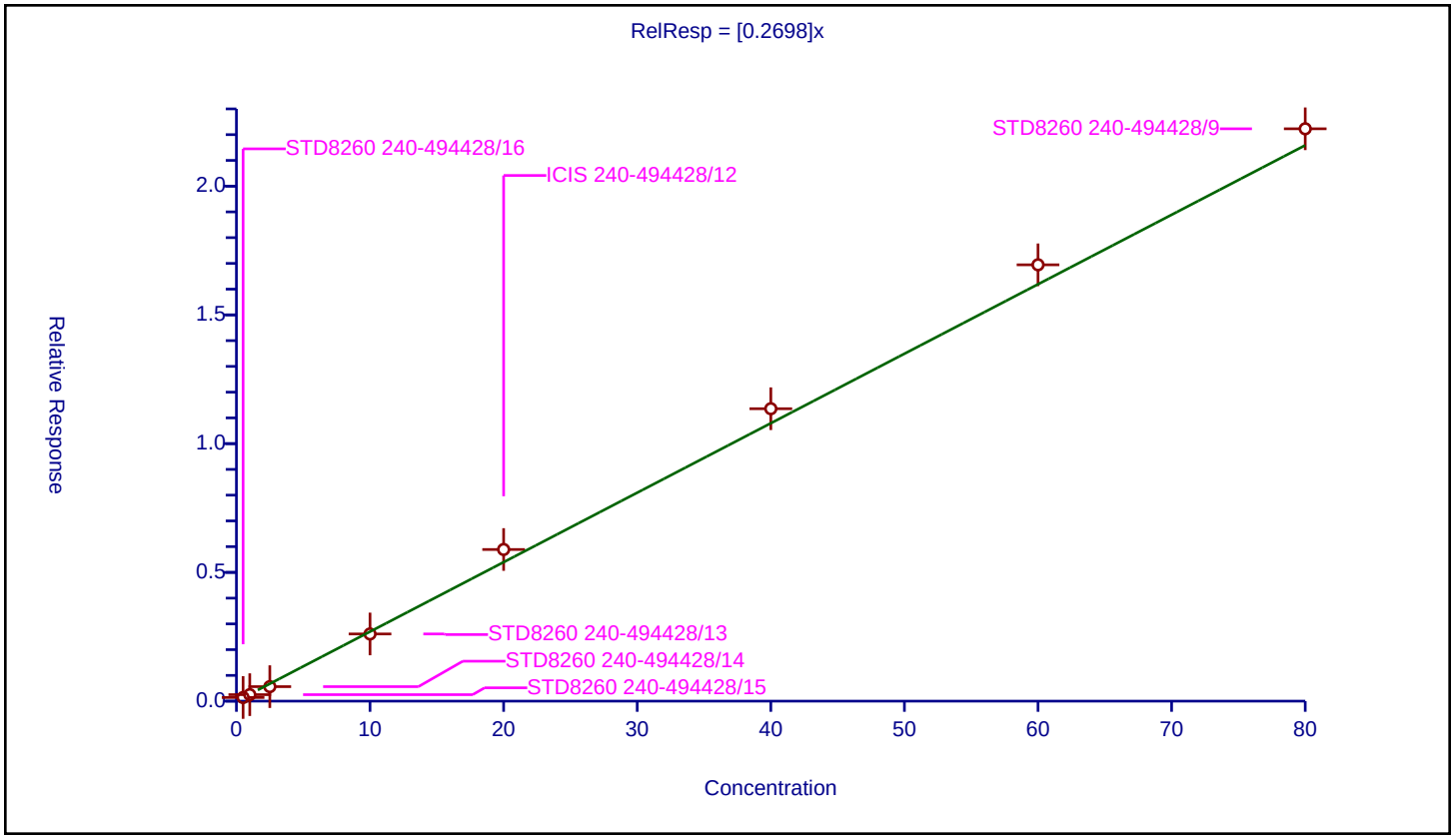
Curve Coefficients

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



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

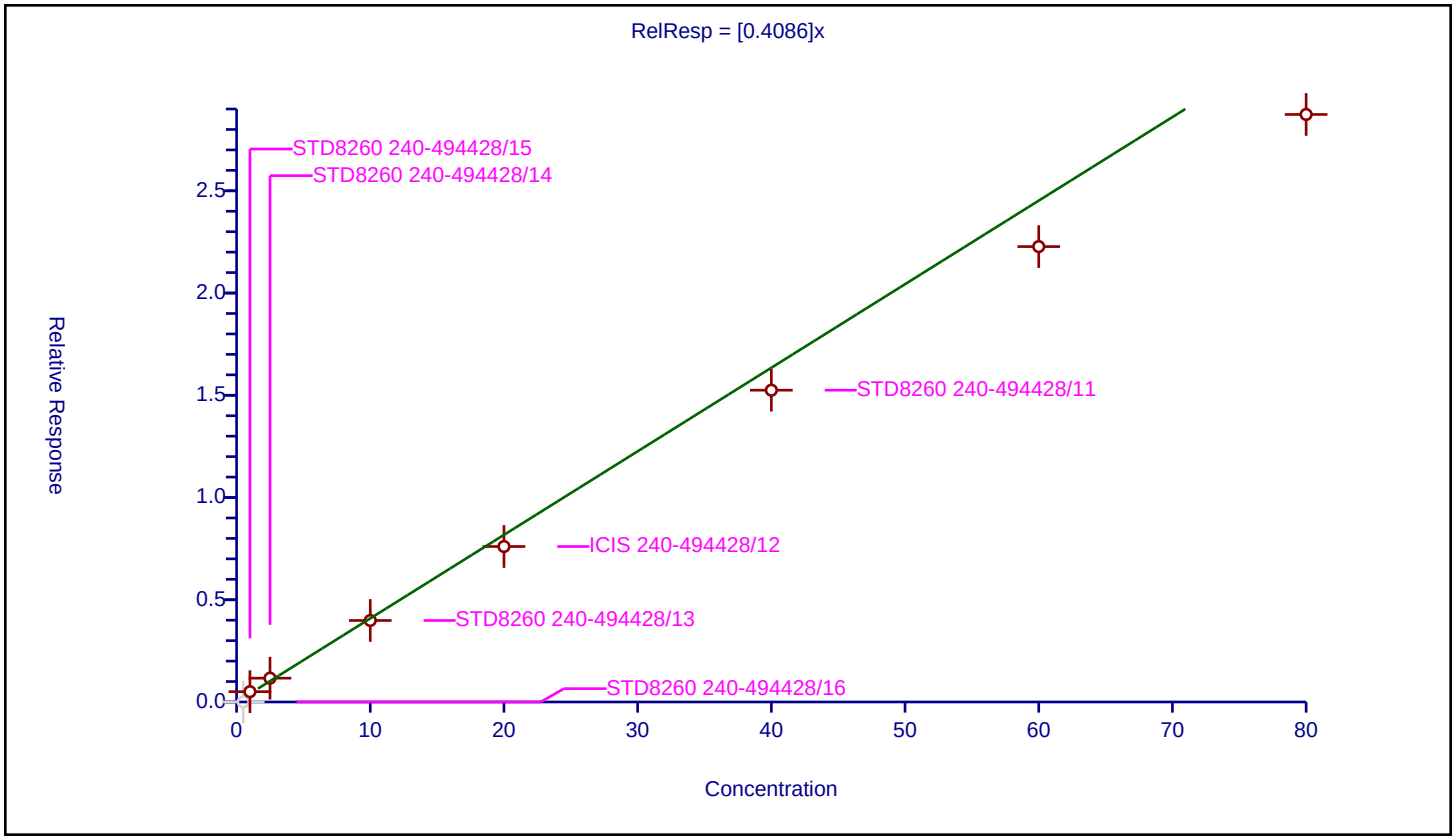
Curve Coefficients

Intercept:	0
Slope:	0.4086

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

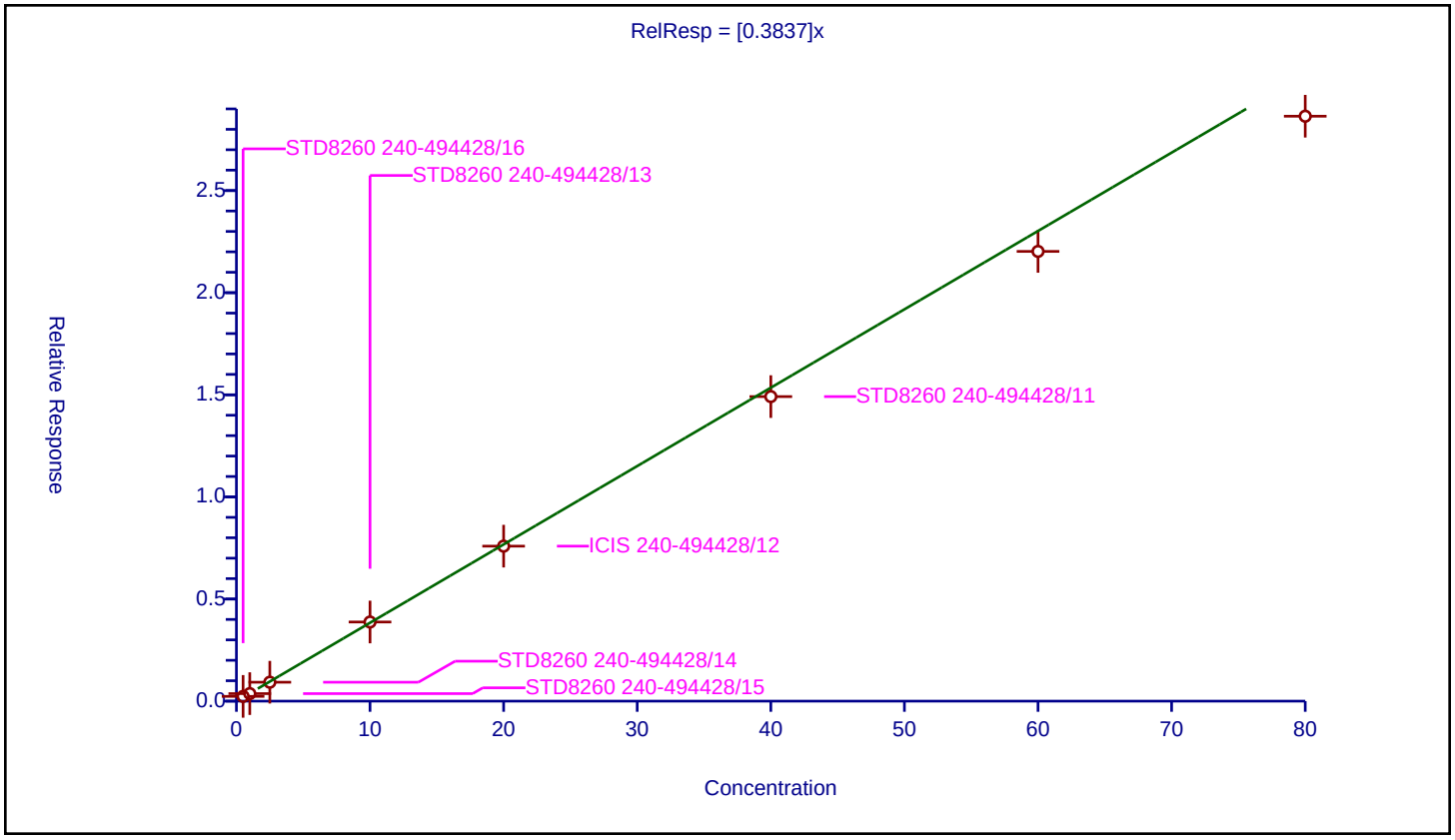
Curve Coefficients

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

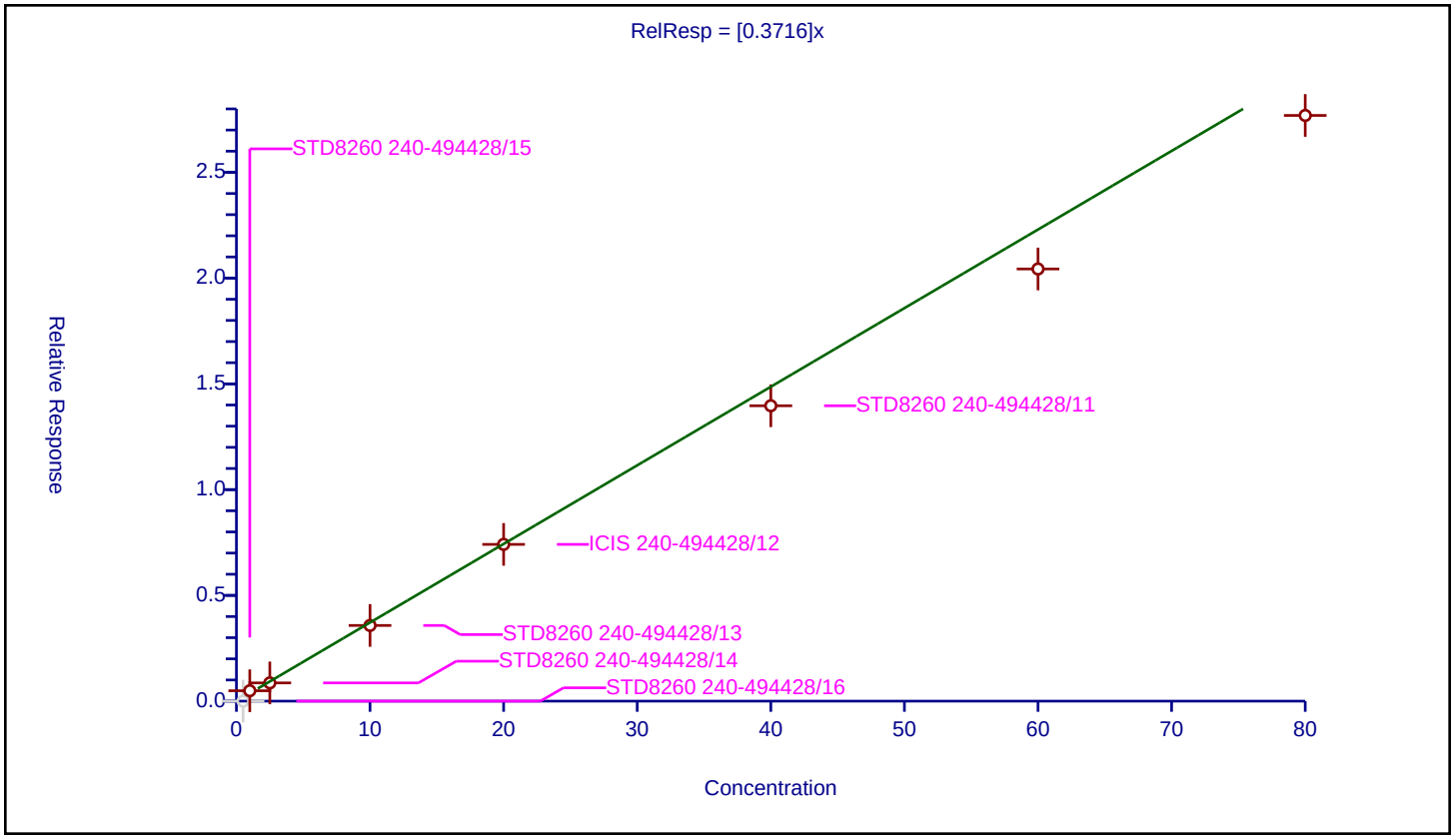
Curve Coefficients

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



Calibration / Bromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

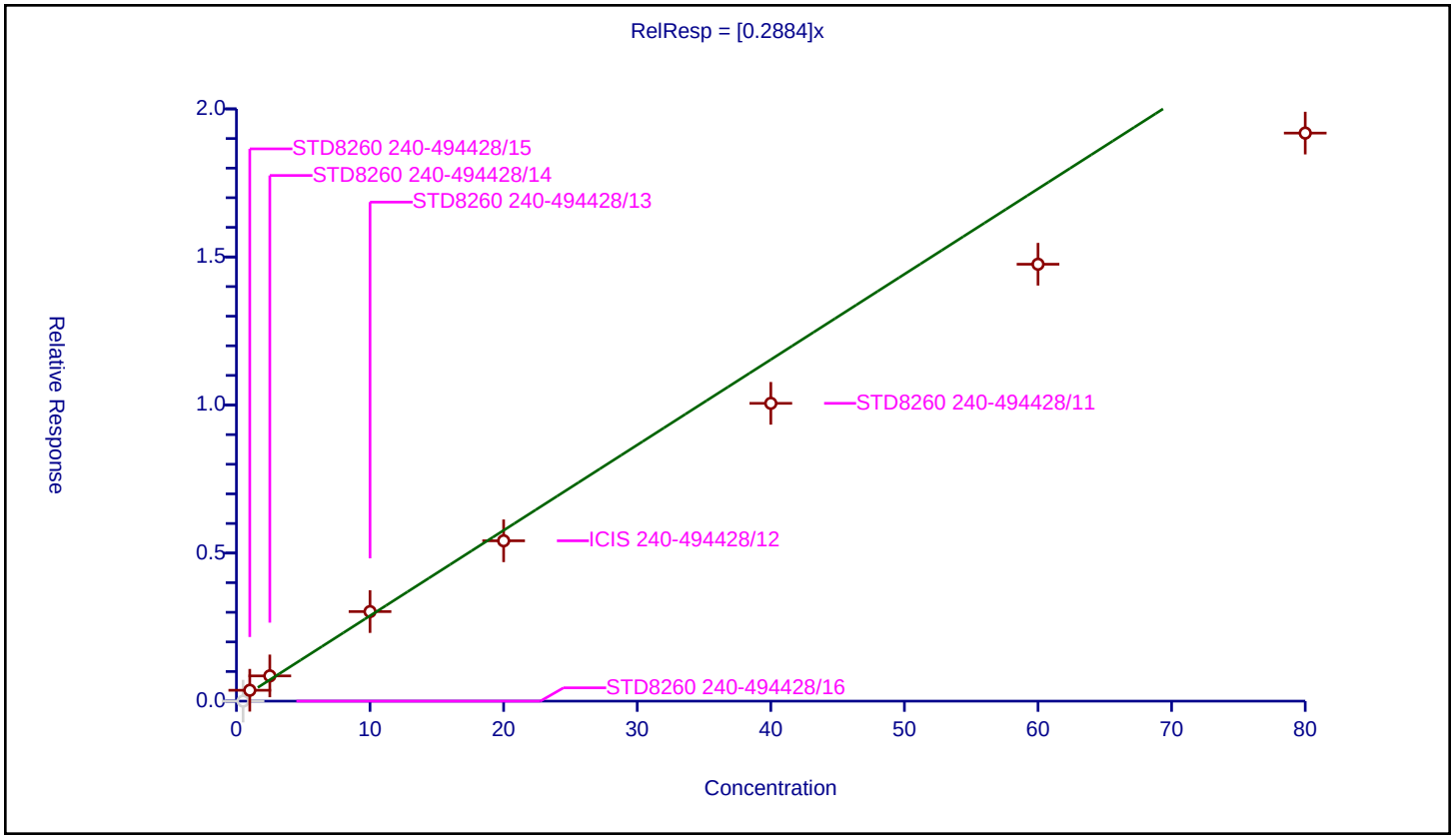
Curve Coefficients

Intercept:	0
Slope:	0.2884

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

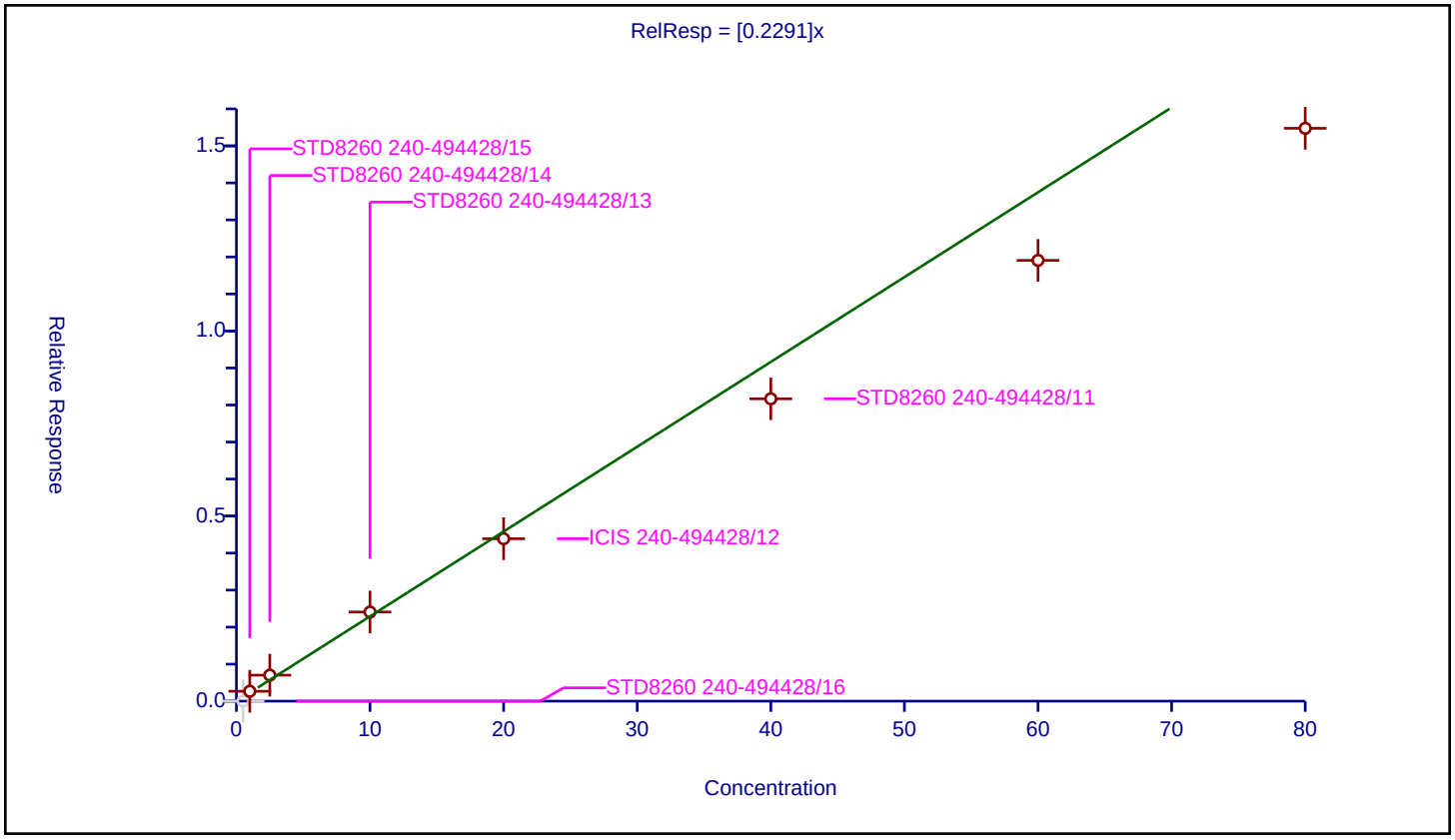
Curve Coefficients

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

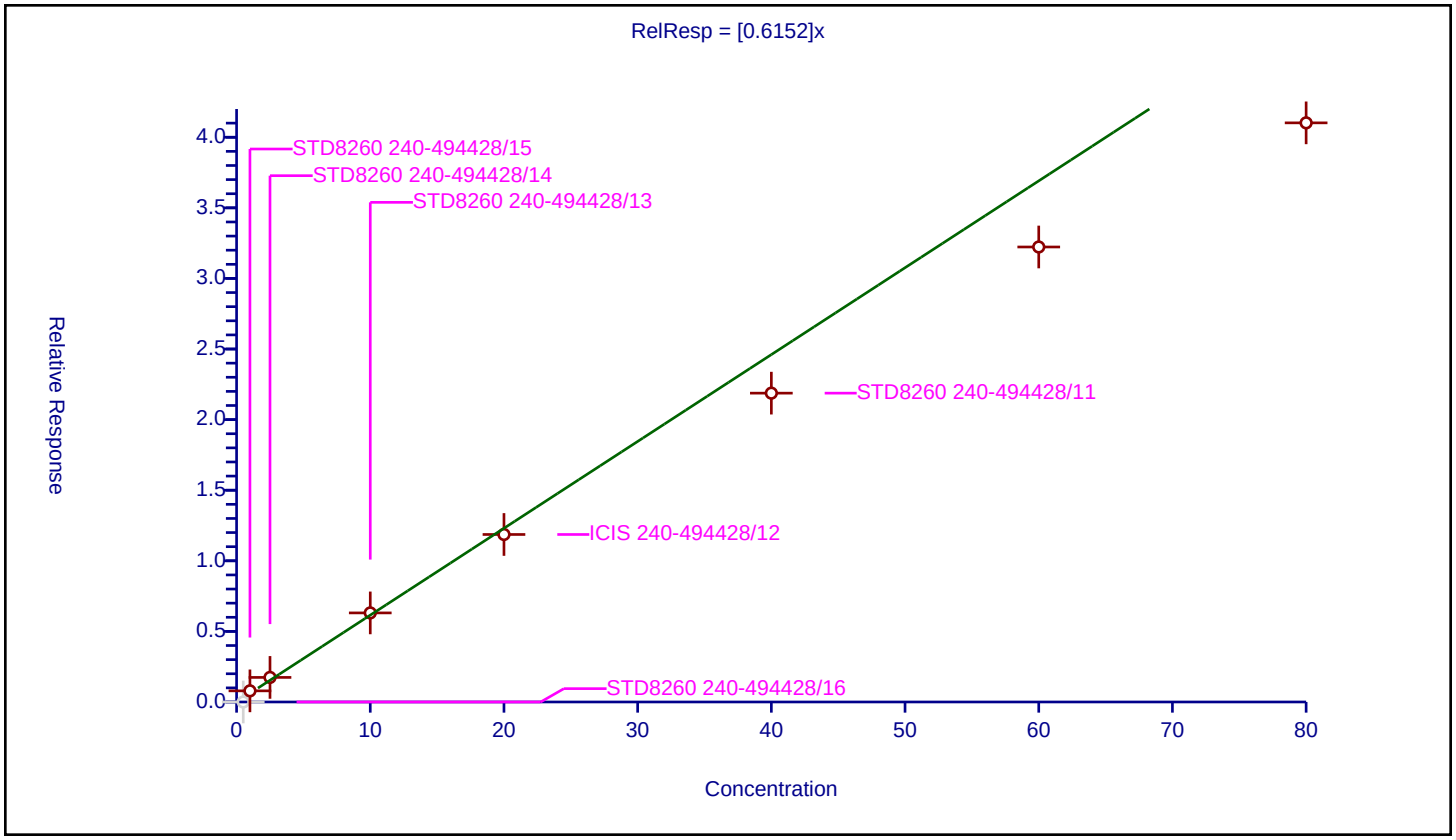
Curve Coefficients

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

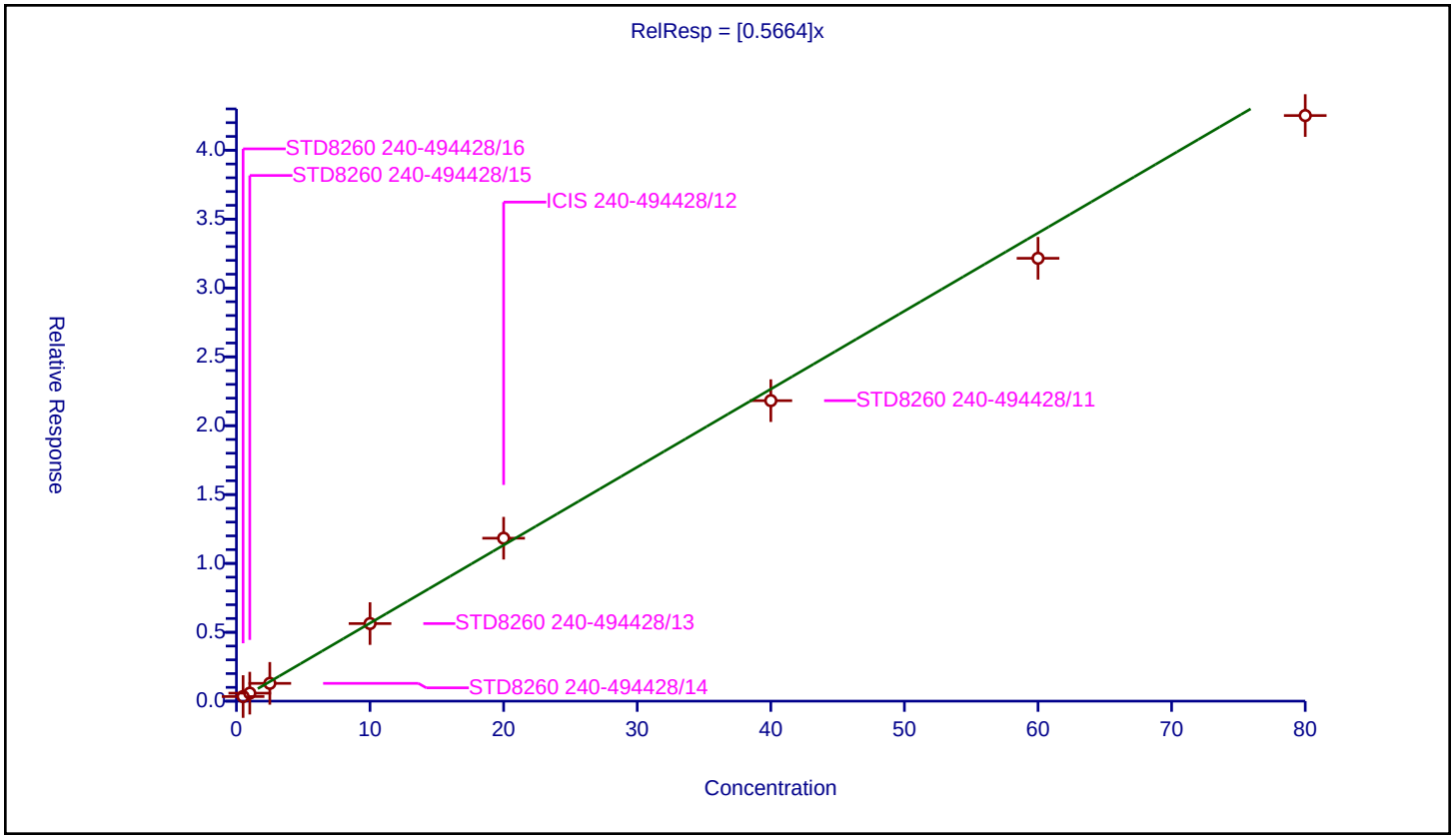
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

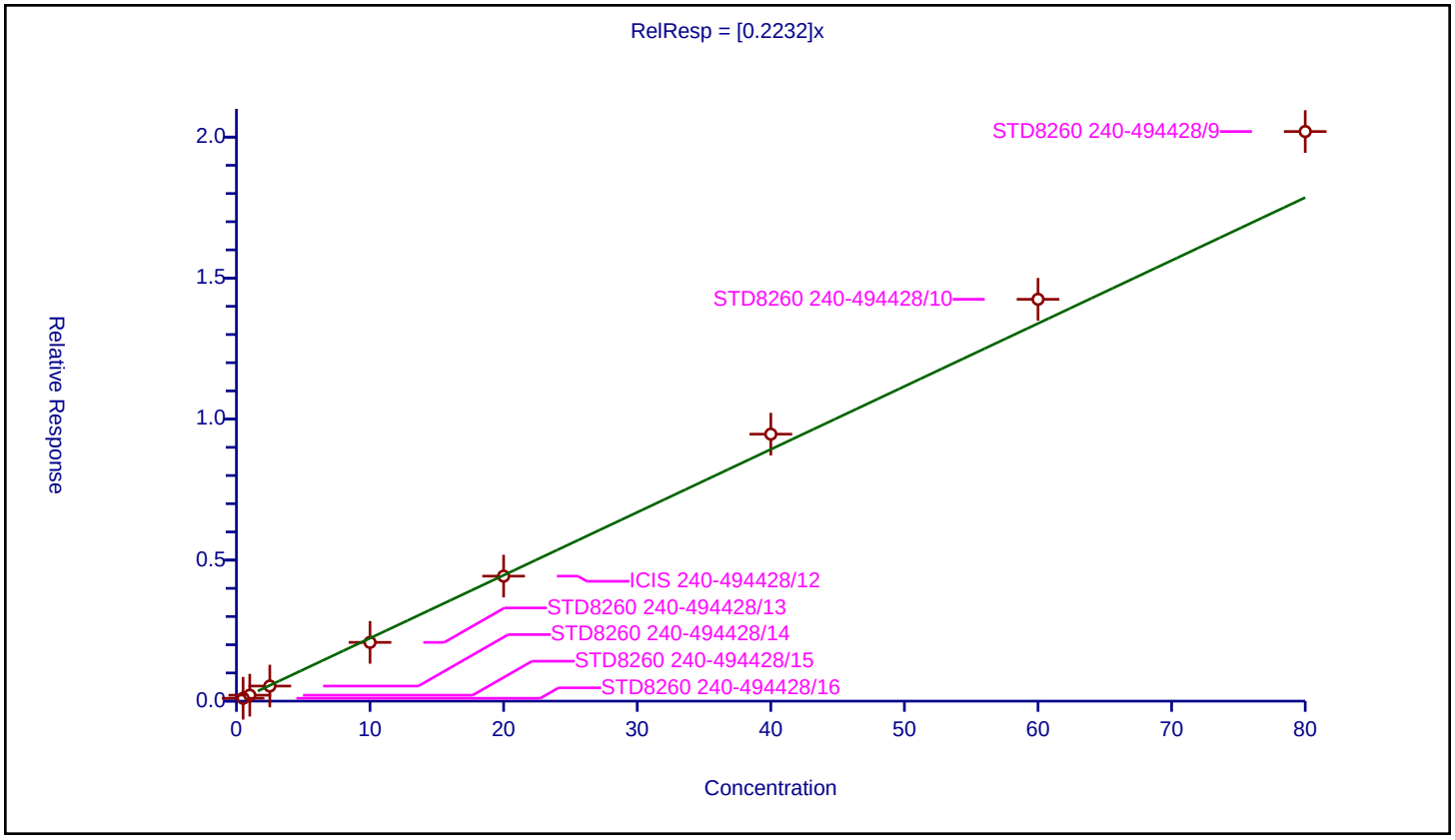
Curve Coefficients

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



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

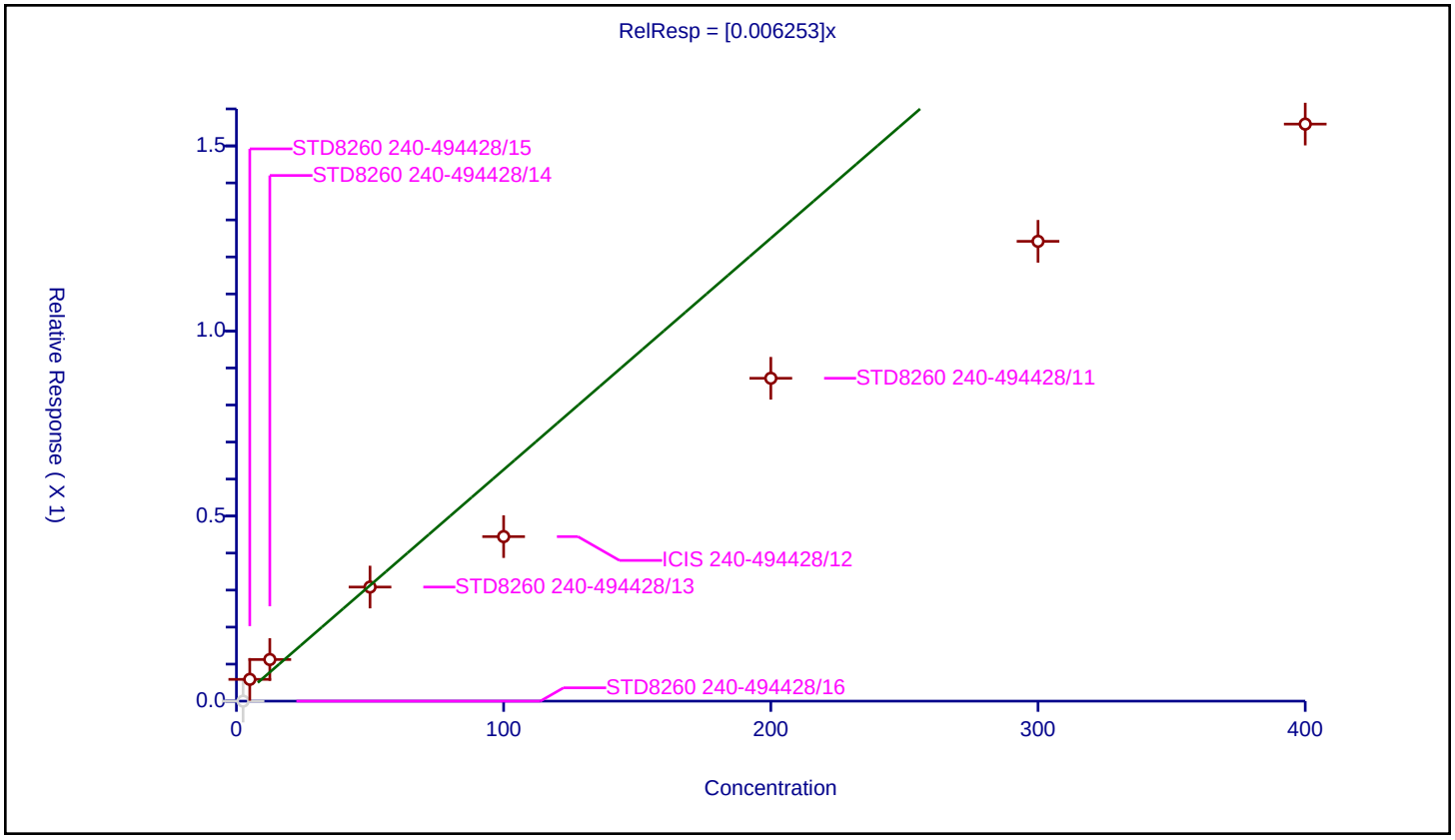
Curve Coefficients

Intercept:	0
Slope:	0.006253

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

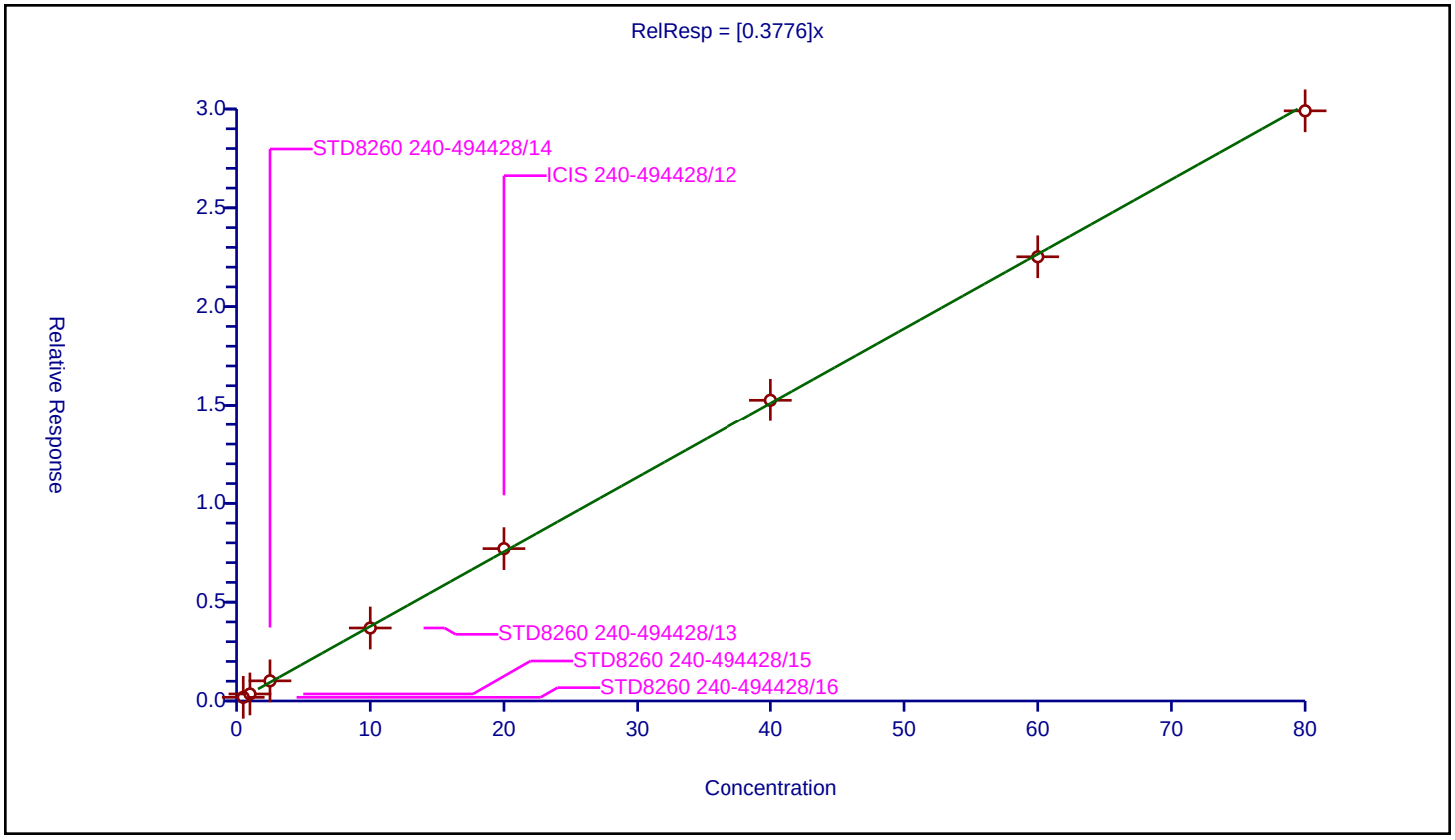
Curve Coefficients

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

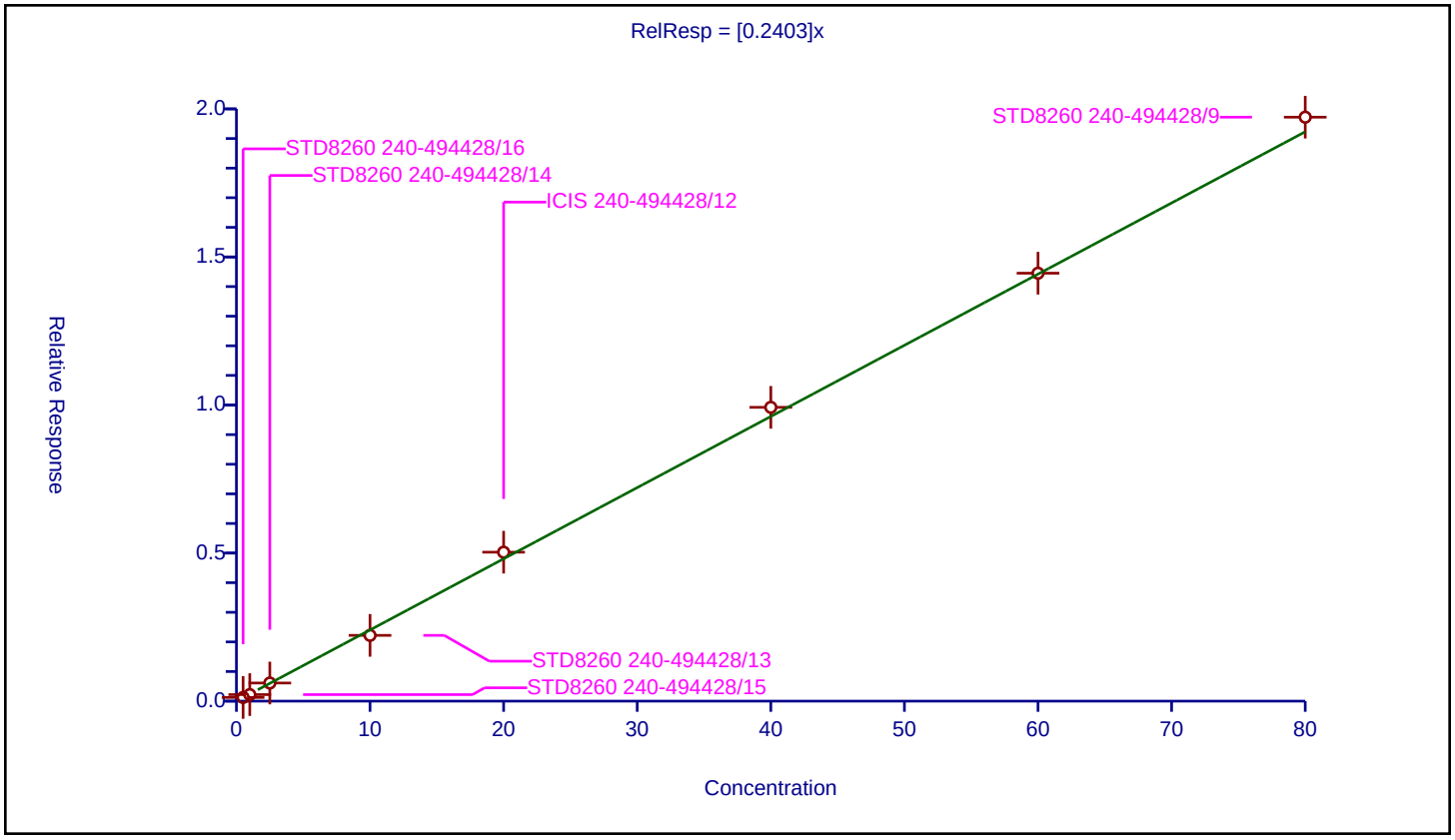
Curve Coefficients

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

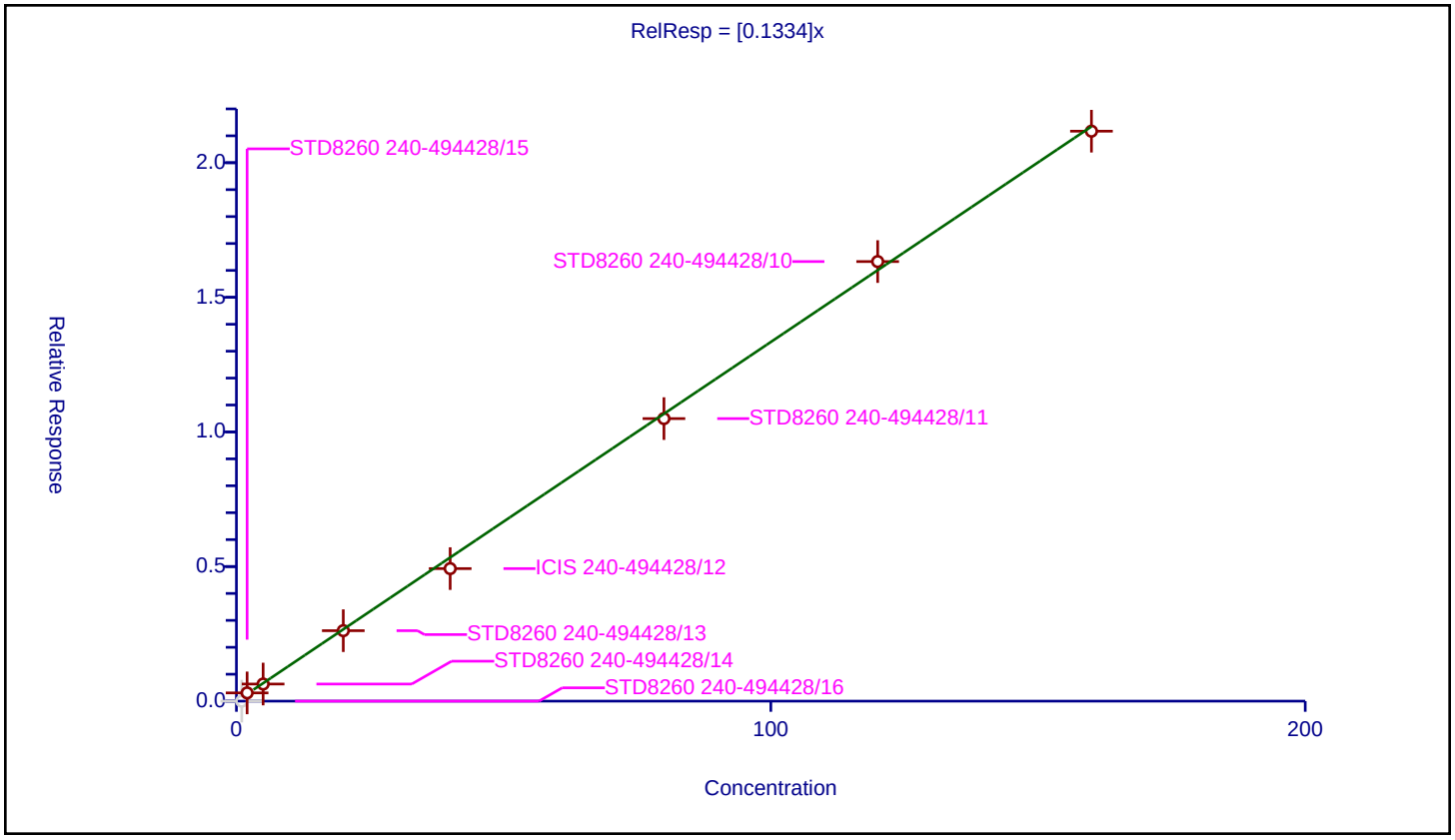
Curve Coefficients

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

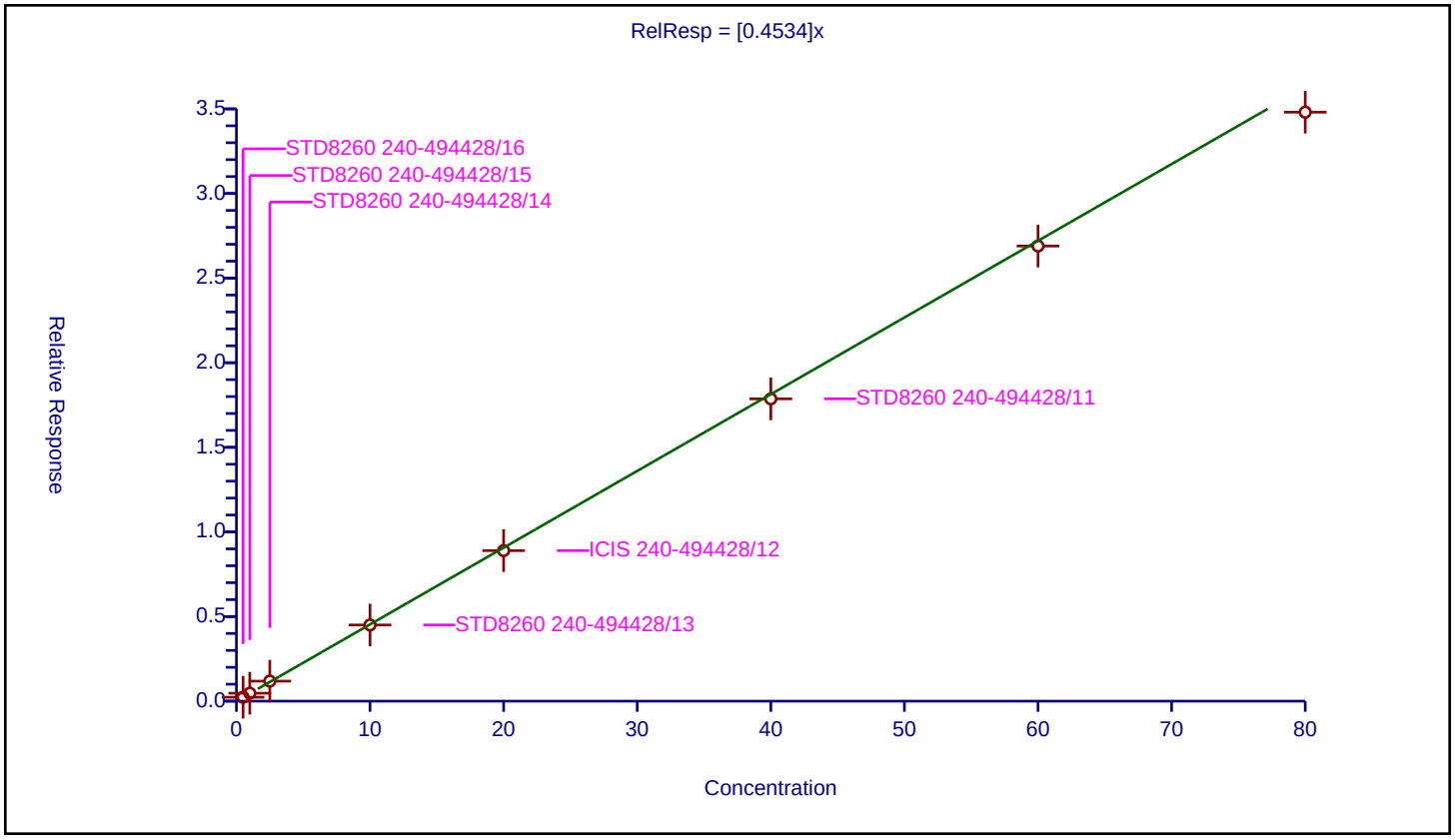
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

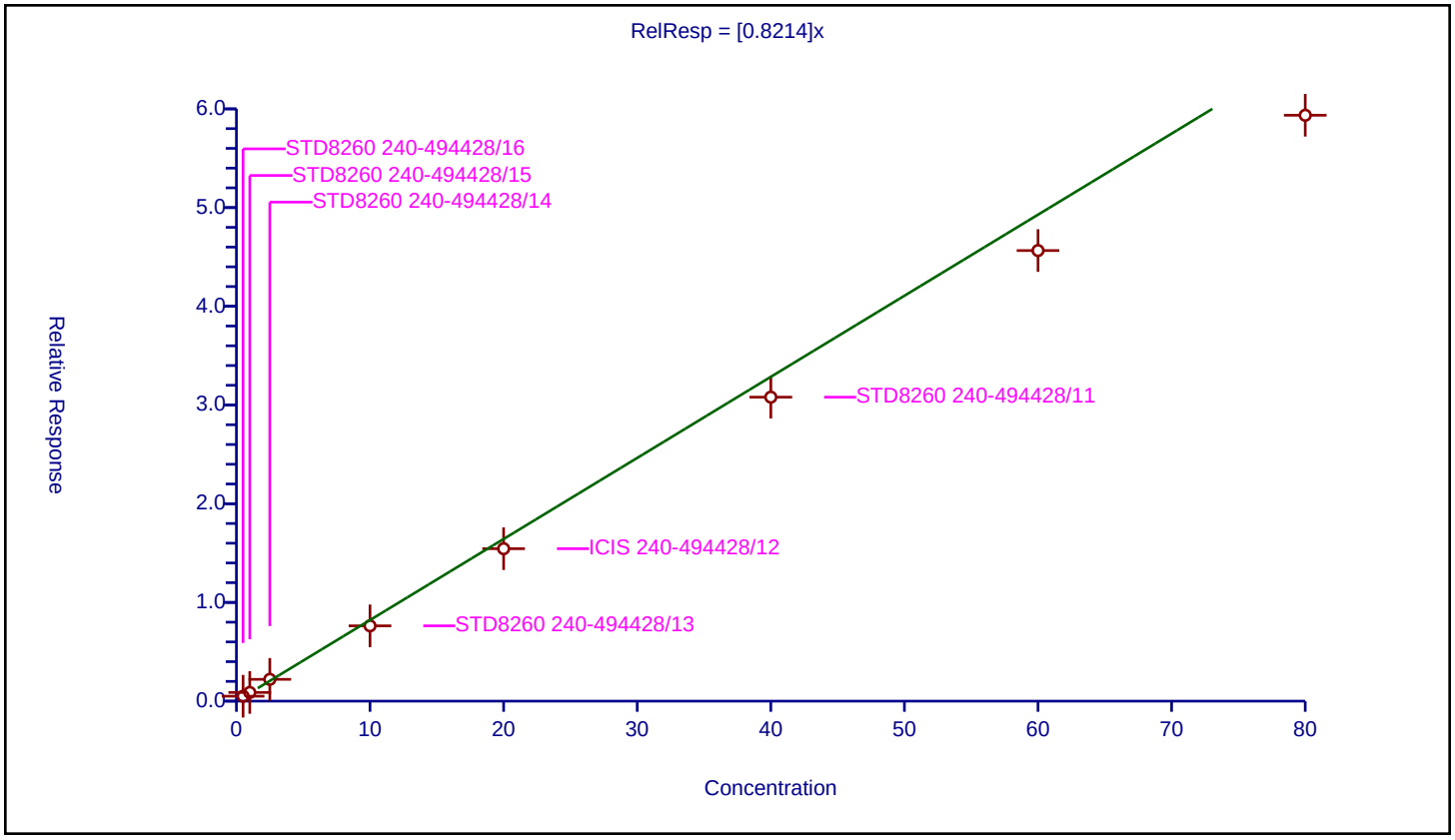
Curve Coefficients

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

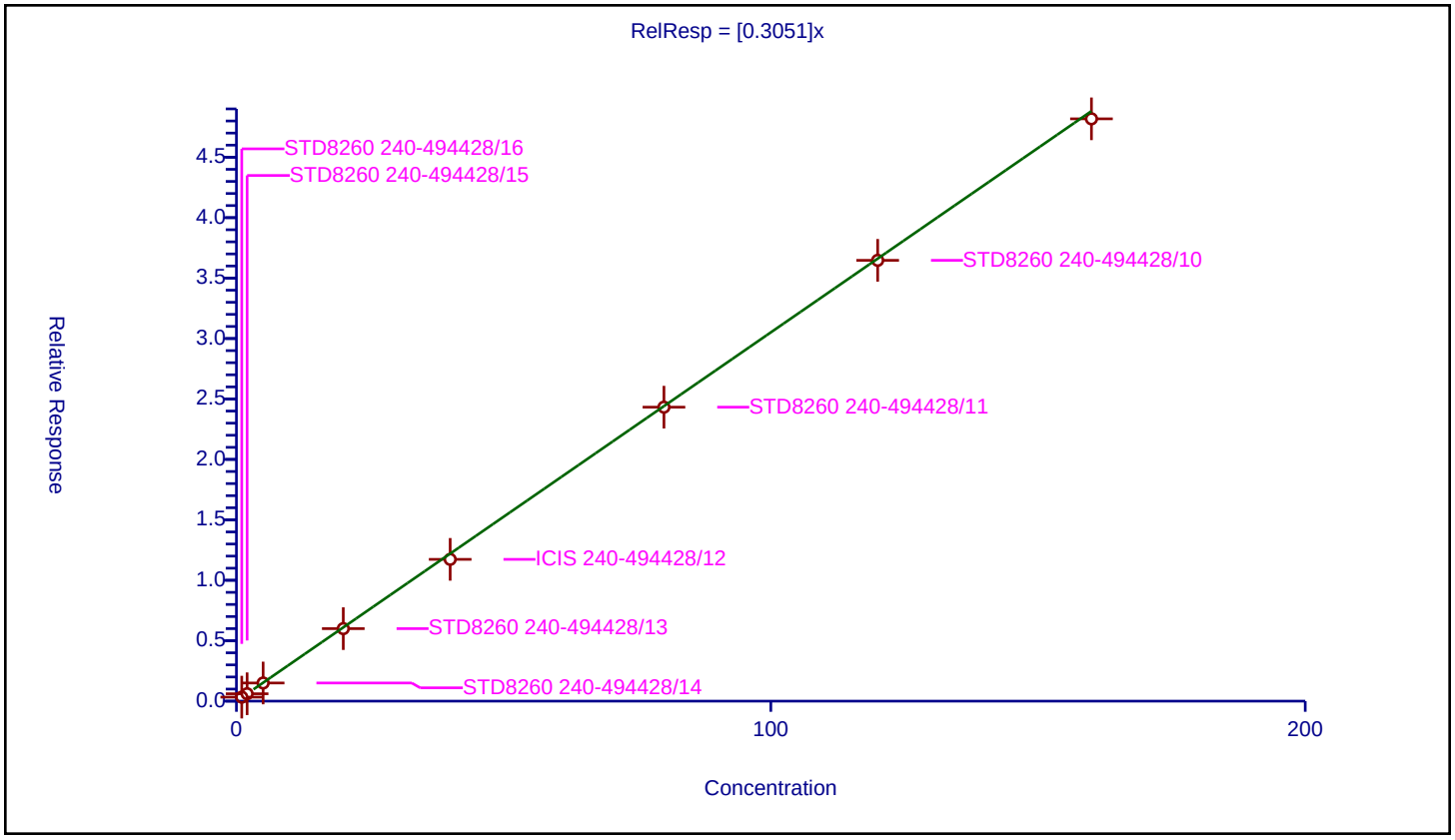
Curve Coefficients

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

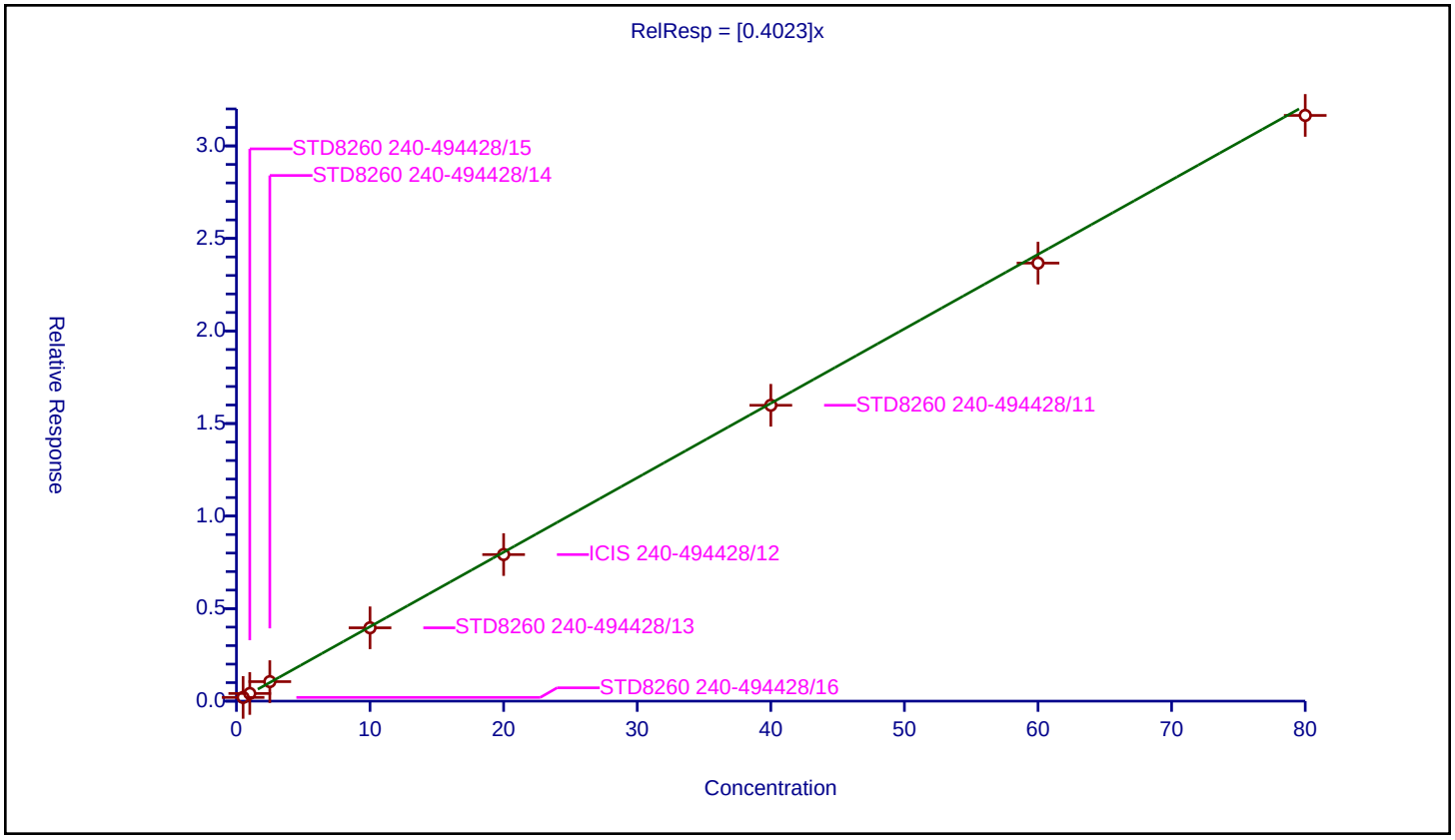
Curve Coefficients

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

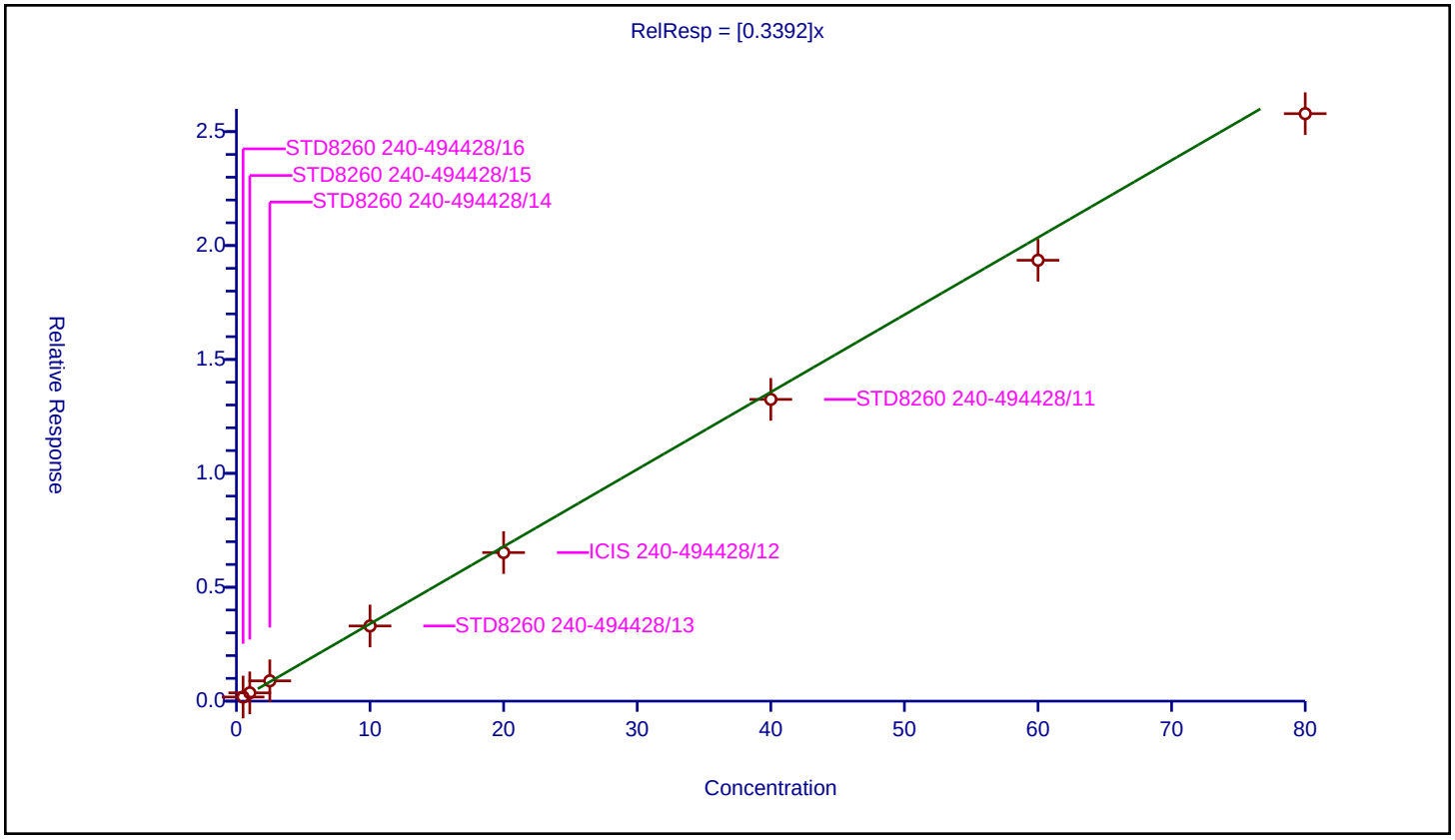
Curve Coefficients

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

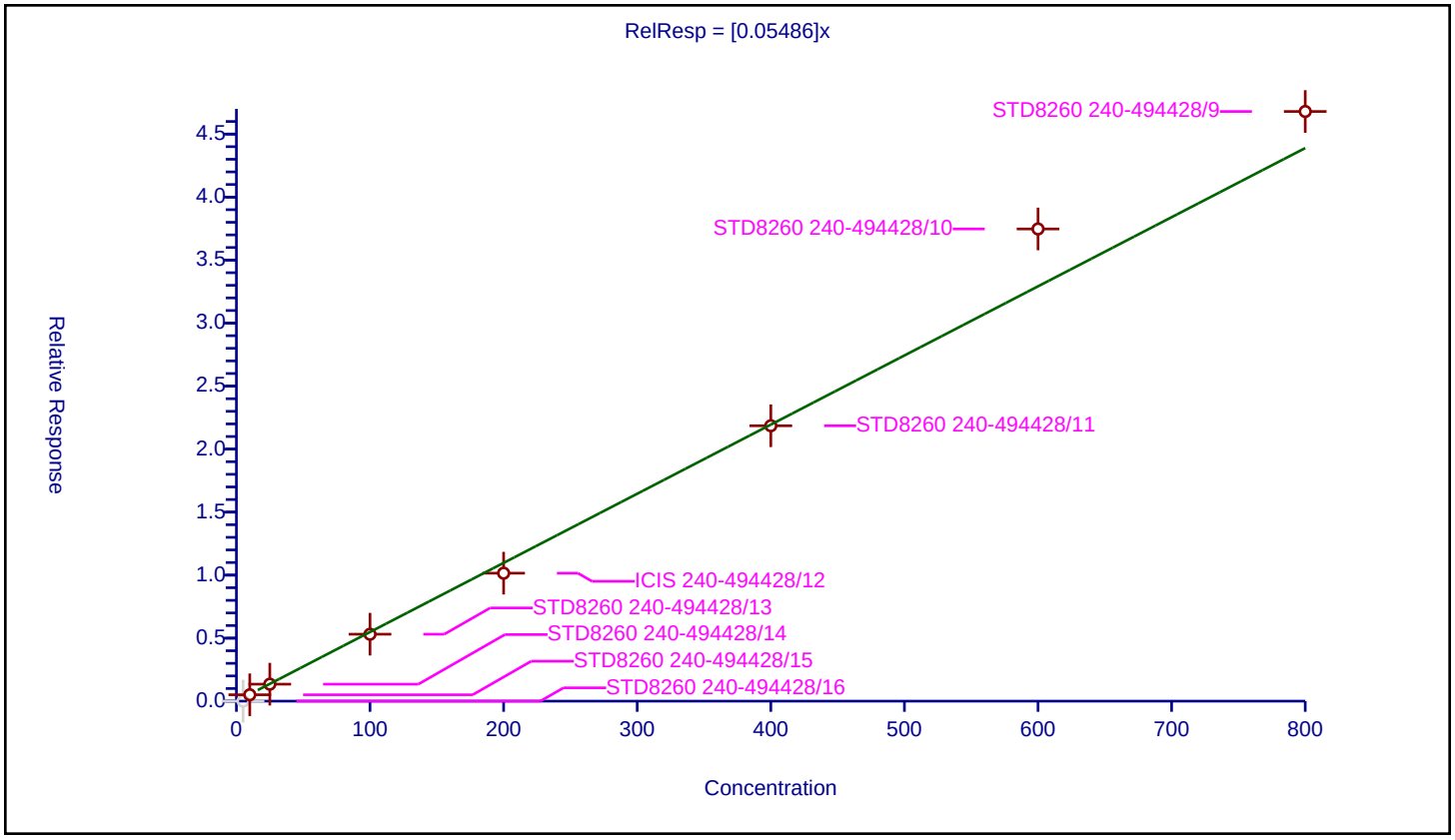
Curve Coefficients

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



Calibration / Acrylonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

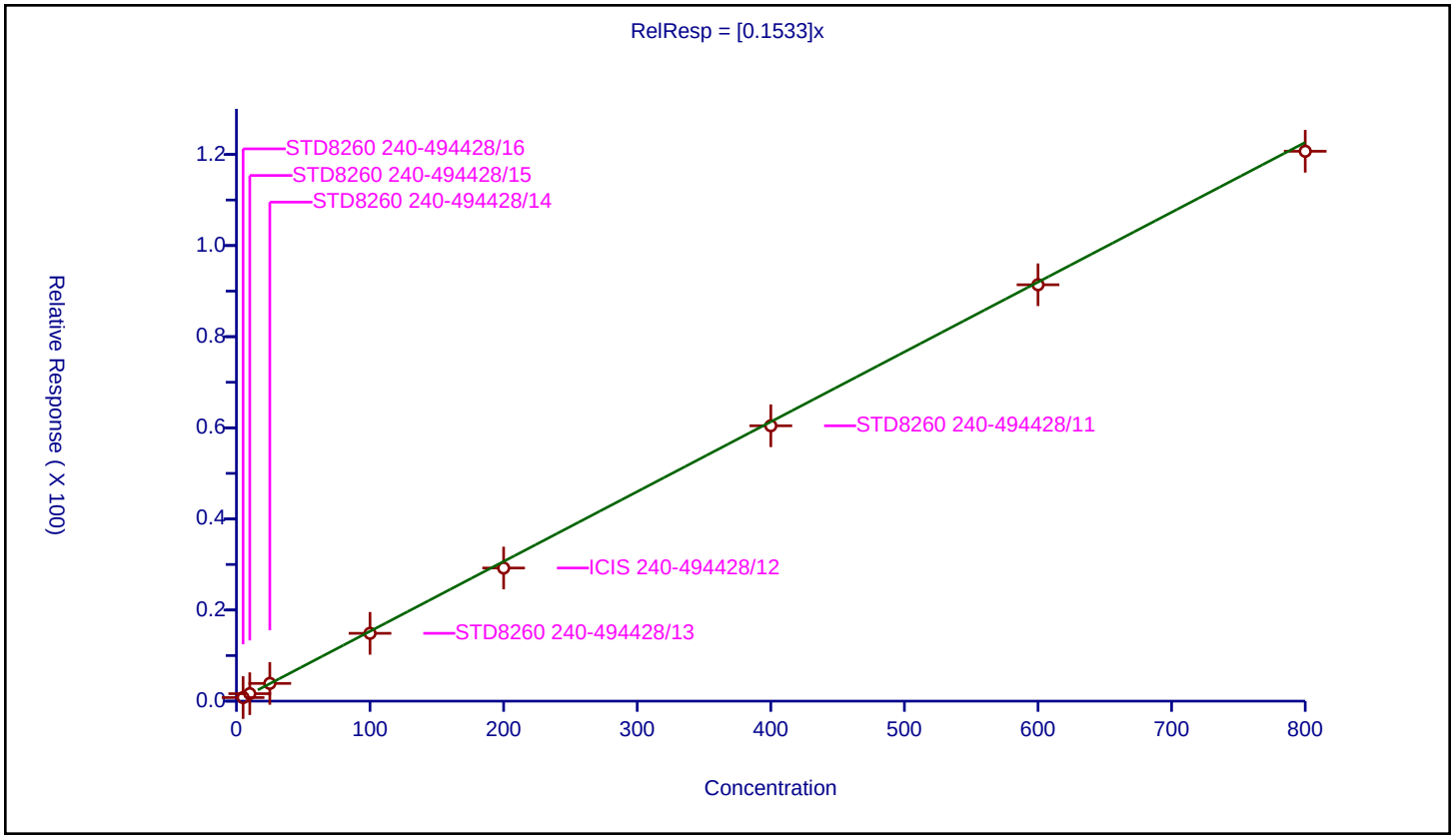
Curve Coefficients

Intercept:	0
Slope:	0.1533

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

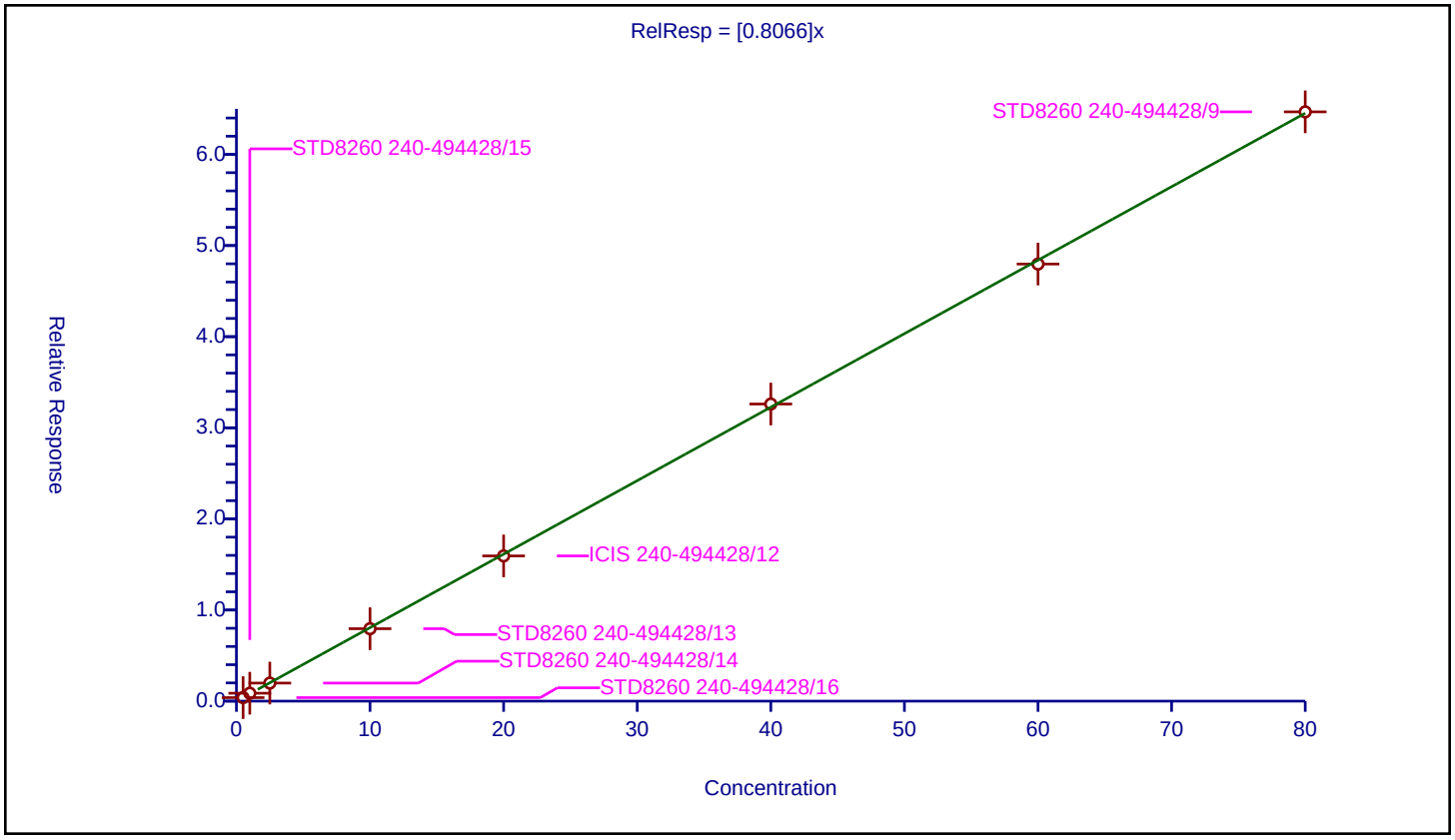
Curve Coefficients

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

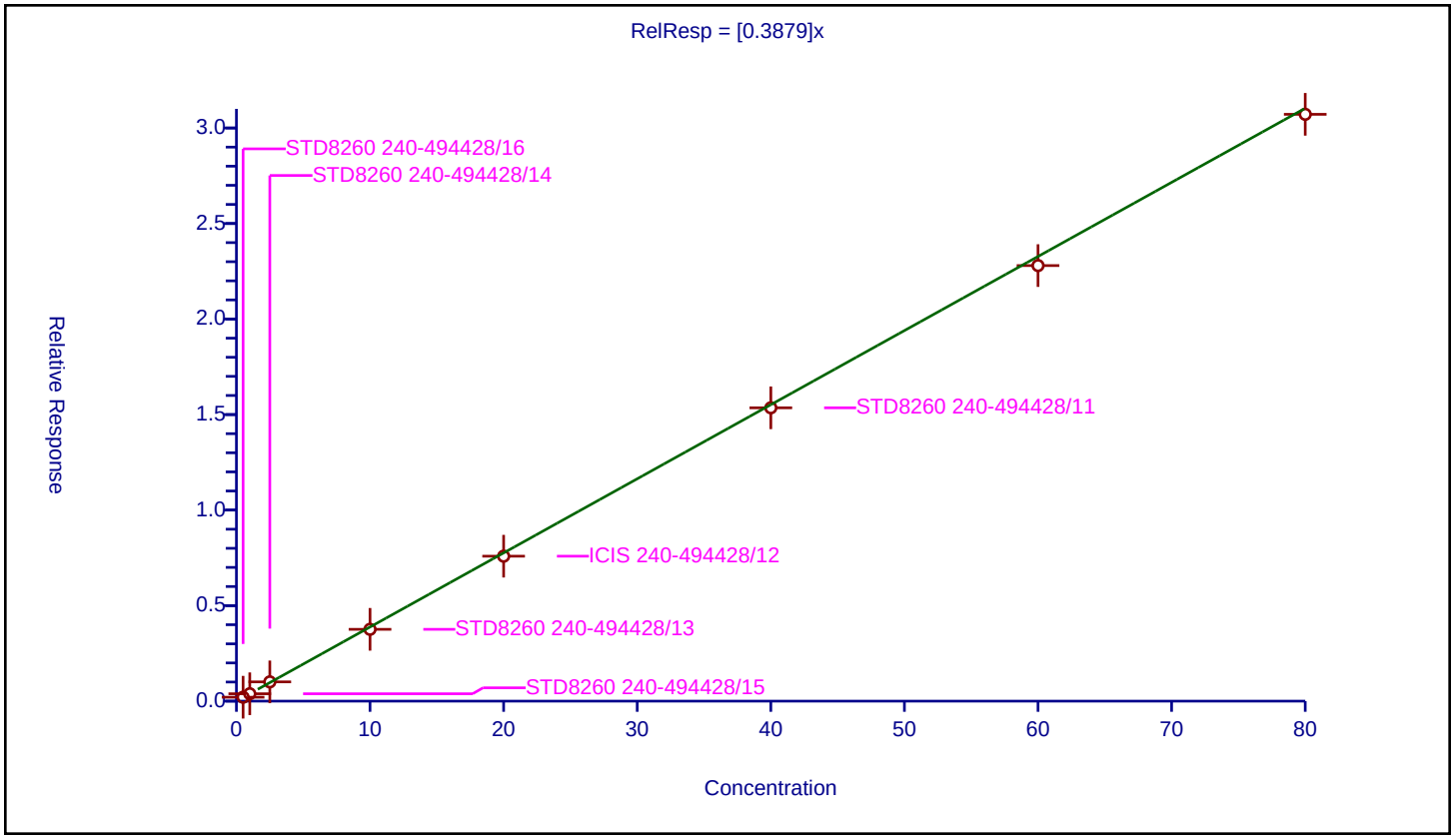
Curve Coefficients

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

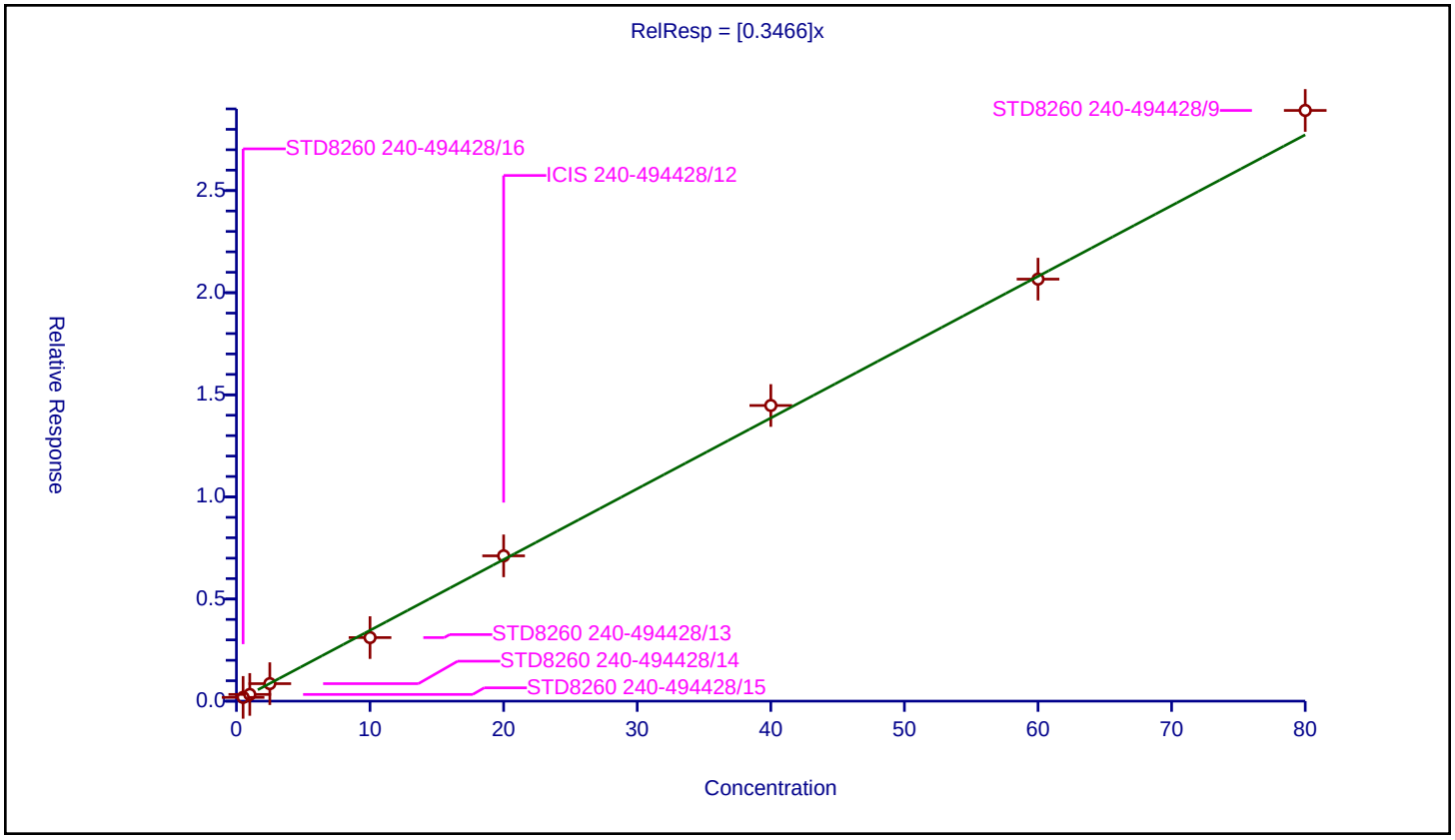
Curve Coefficients

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

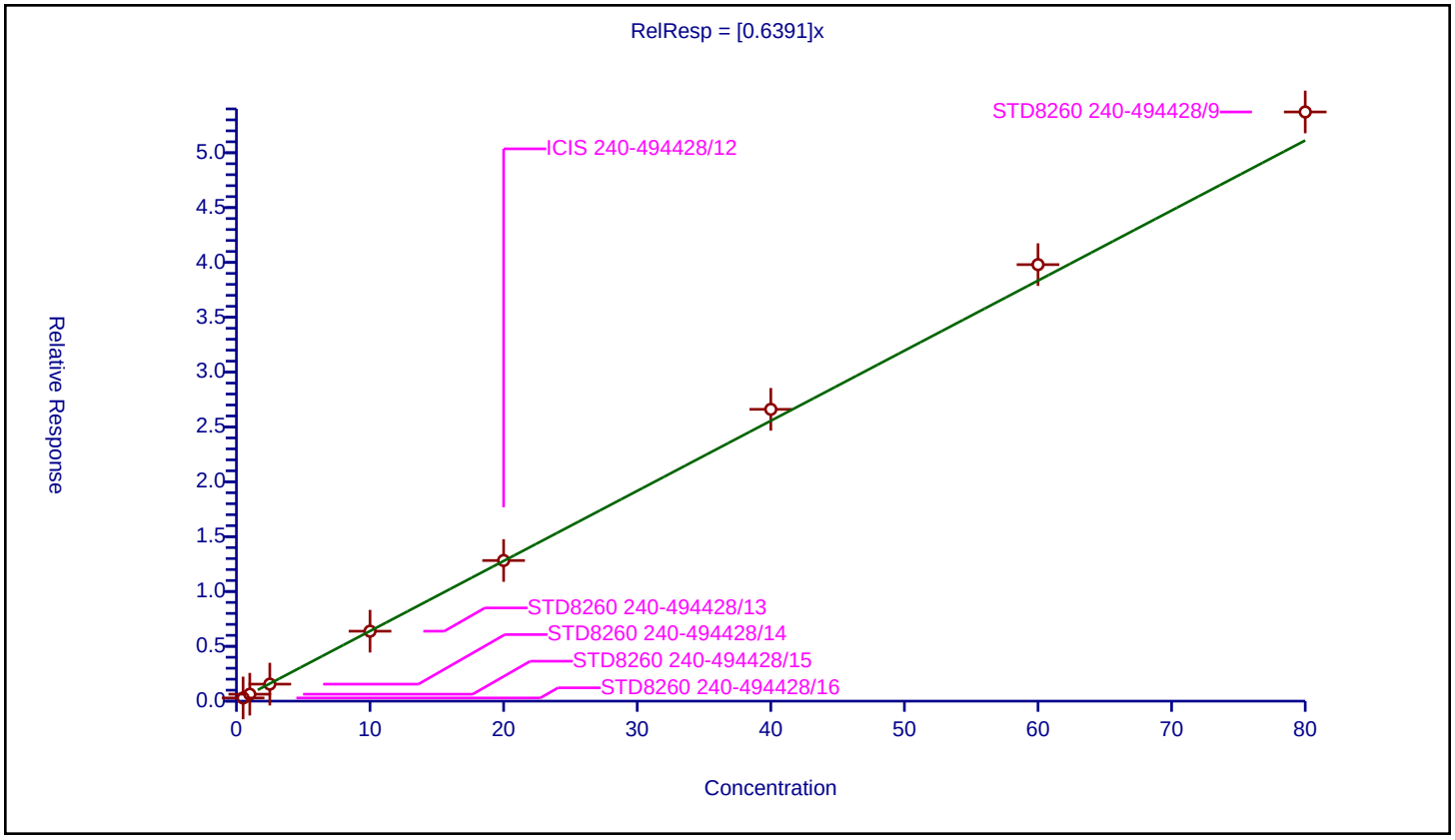
Curve Coefficients

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

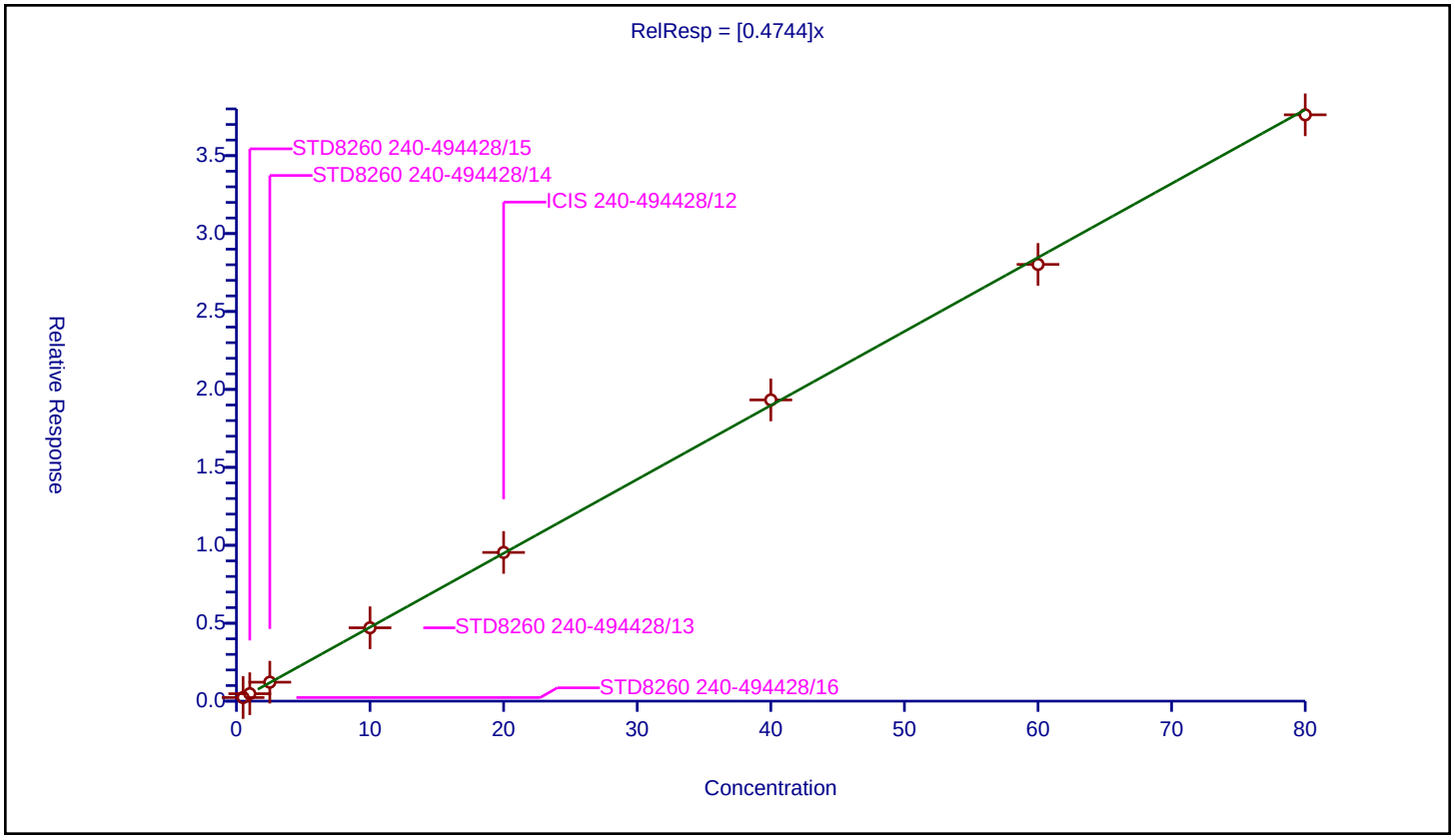
Curve Coefficients

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

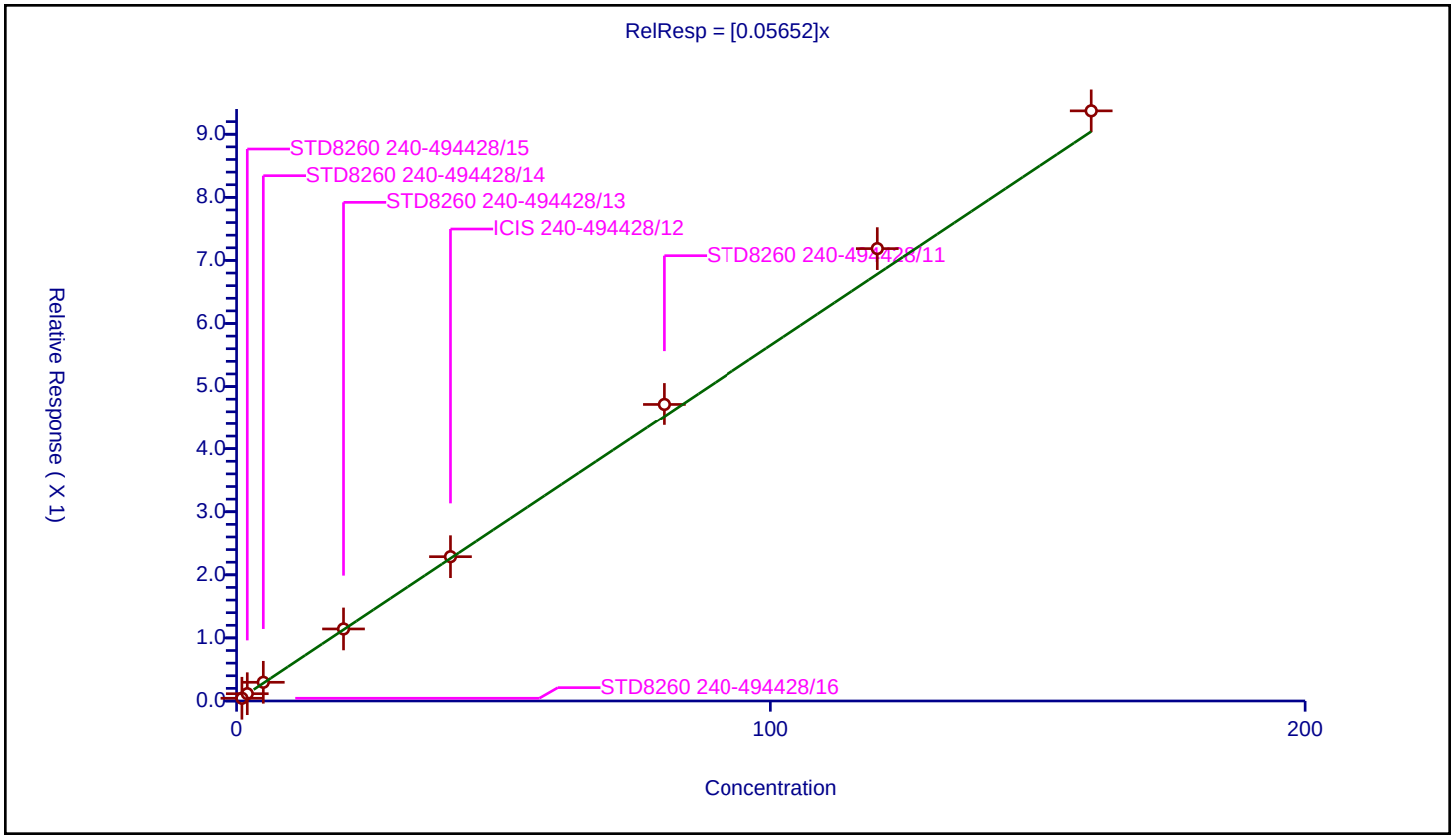
Curve Coefficients

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

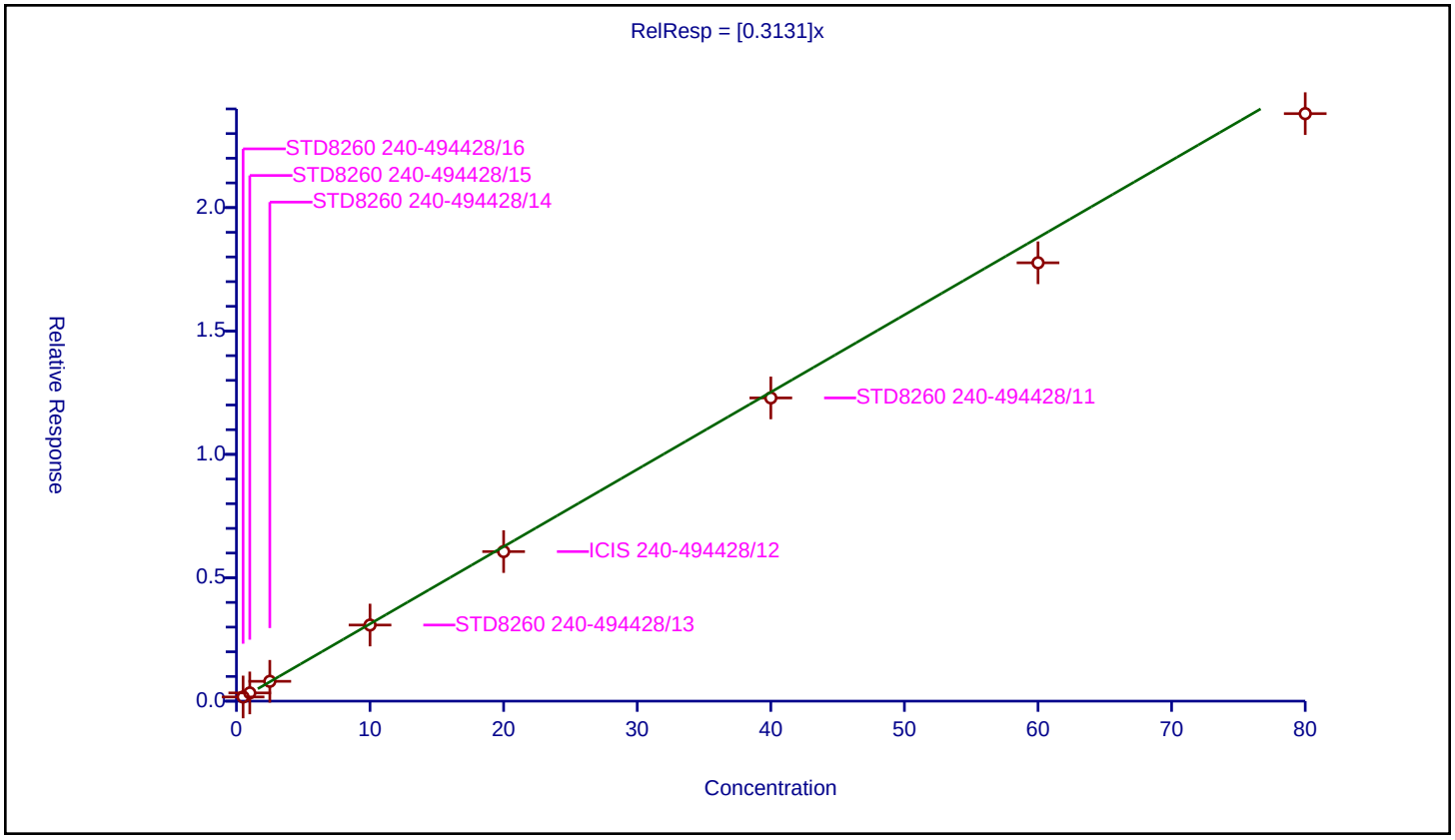
Curve Coefficients

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

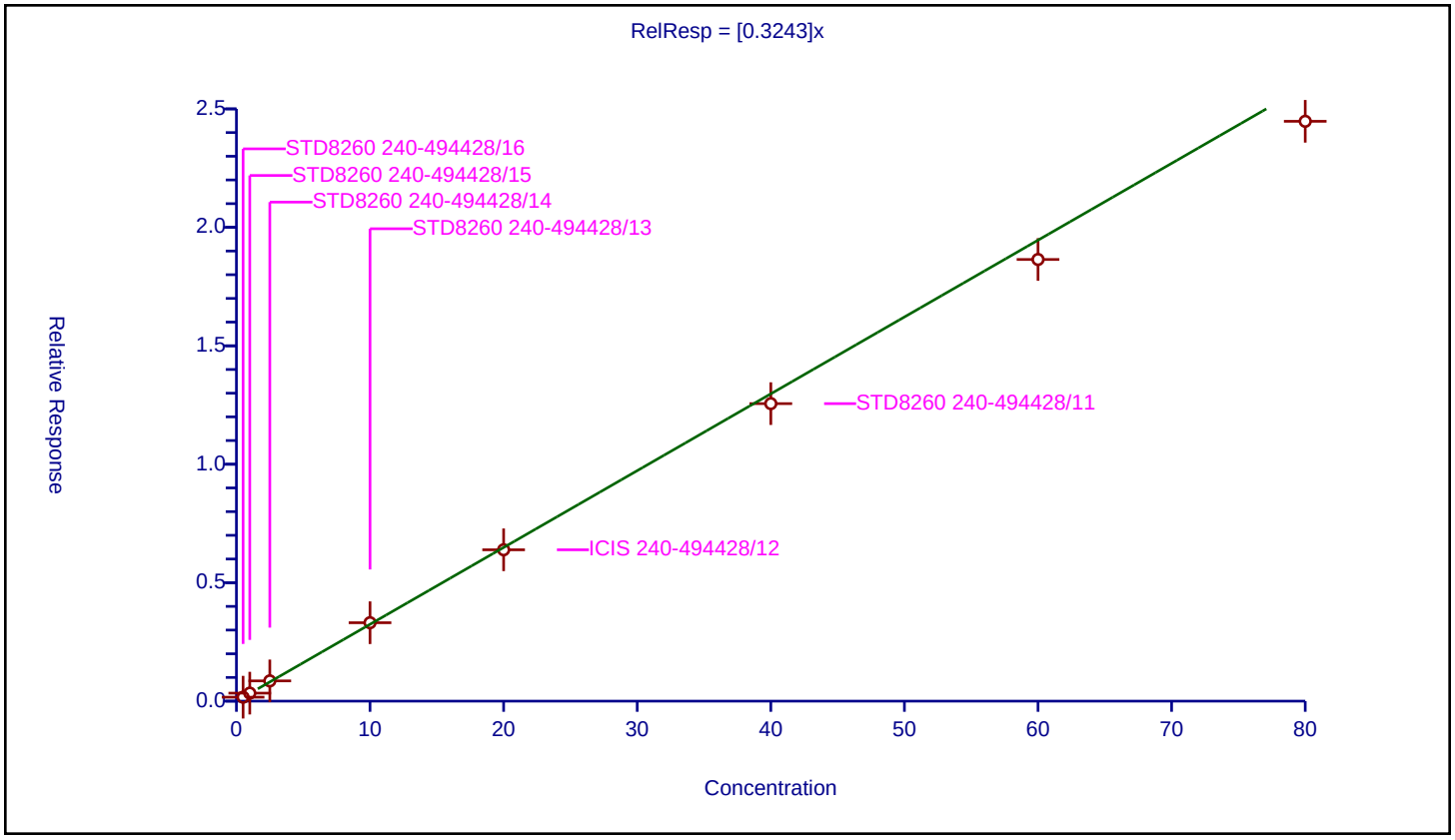
Curve Coefficients

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

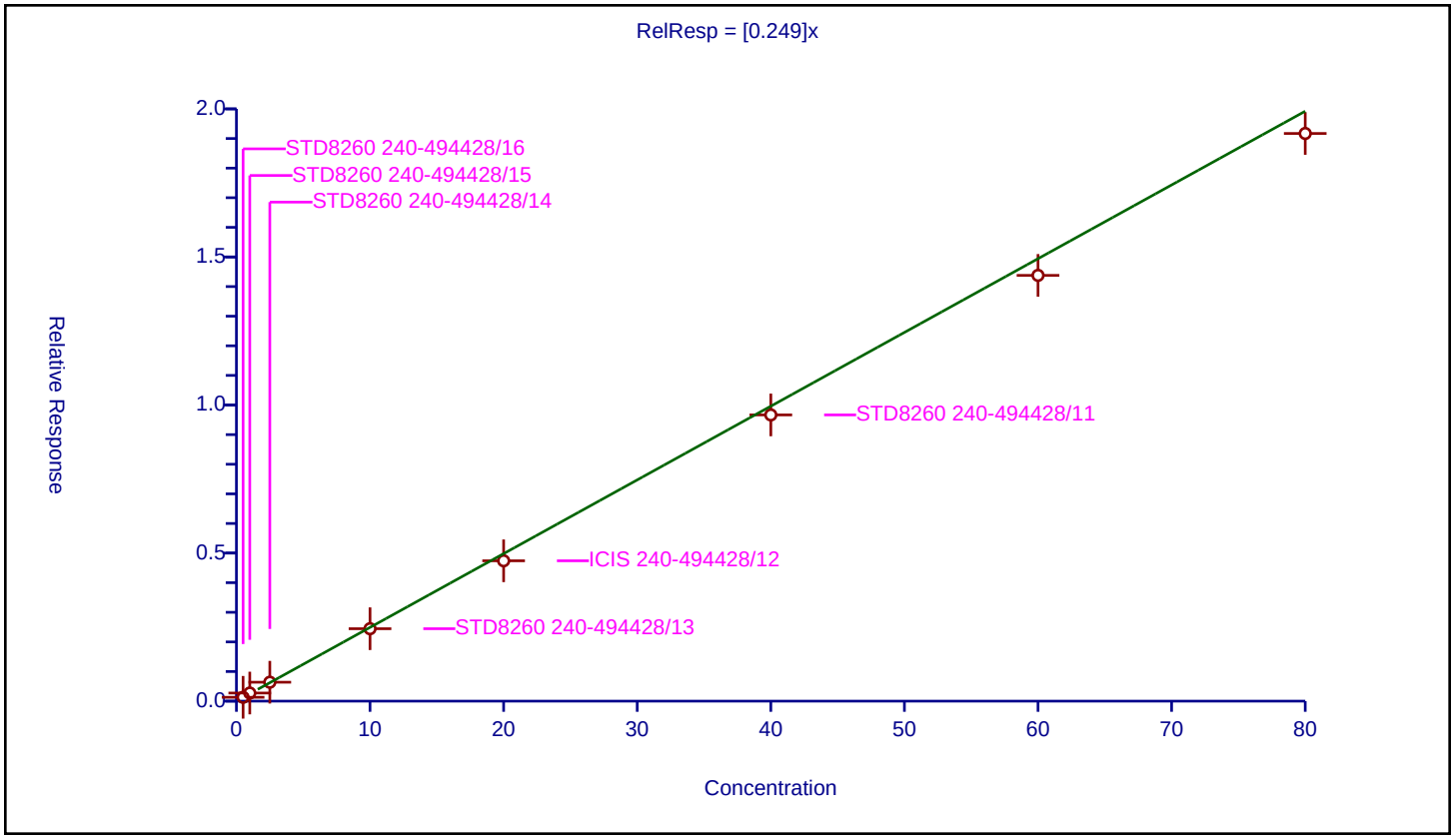
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

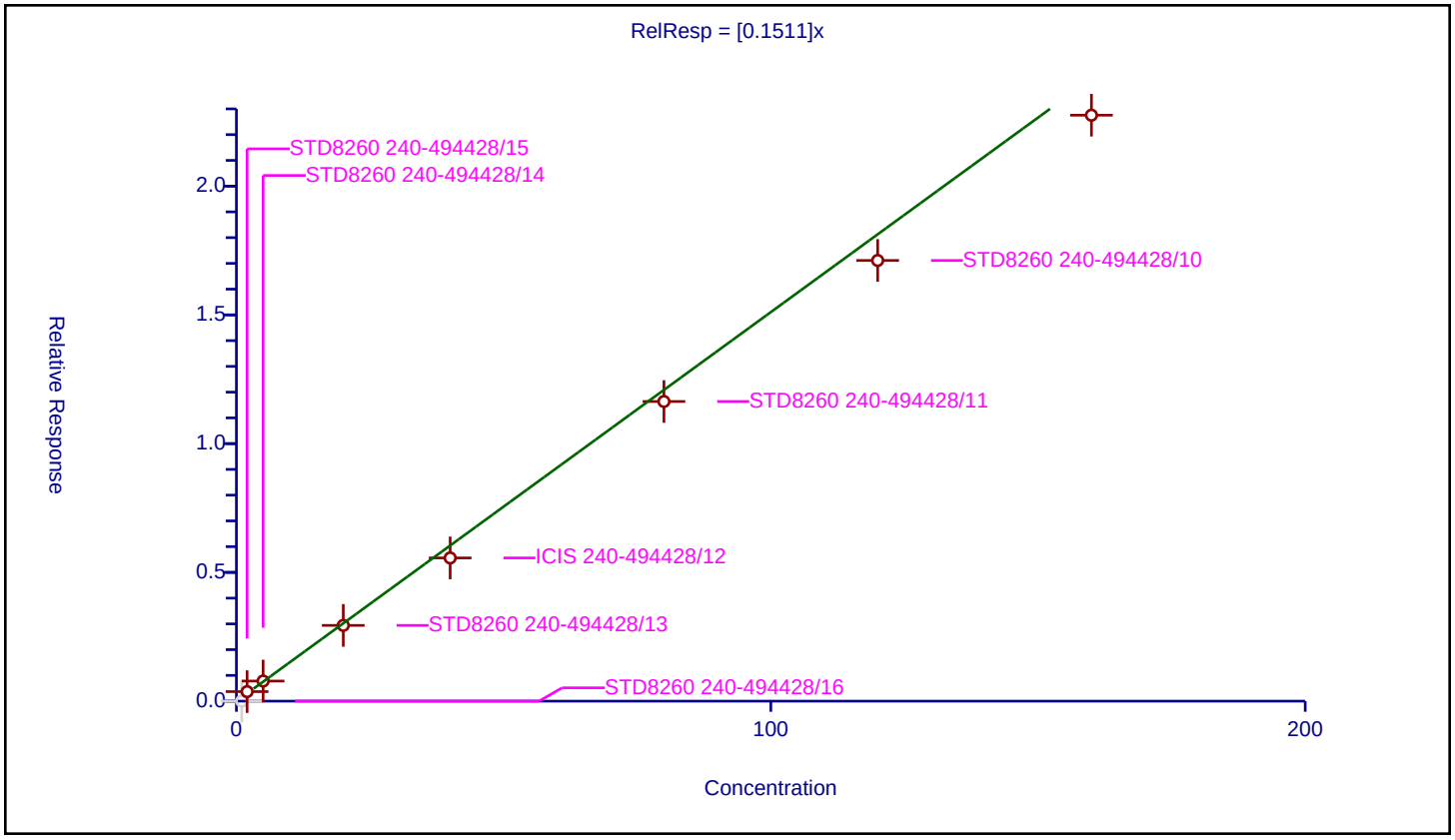
Curve Coefficients

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

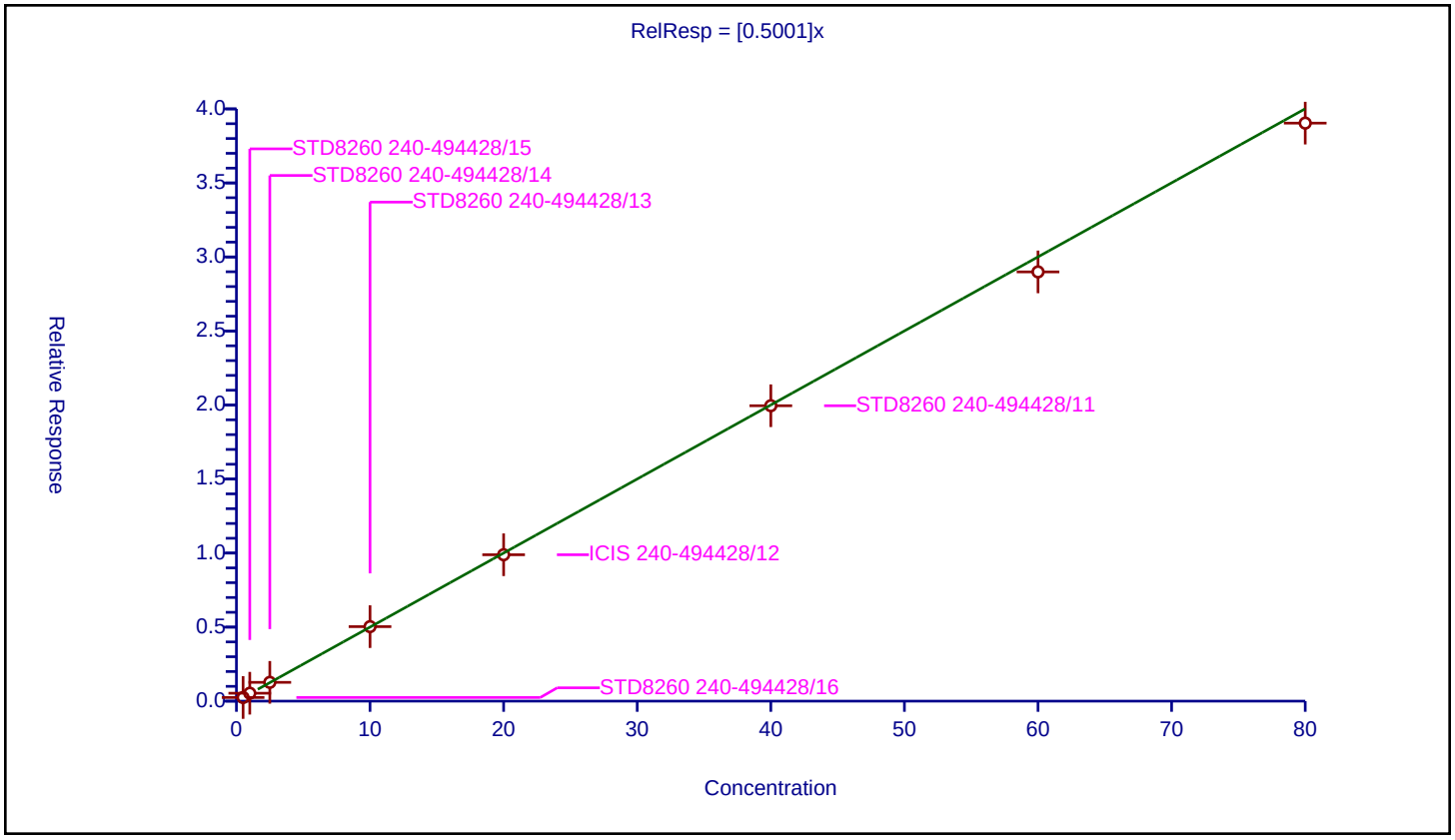
Curve Coefficients

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

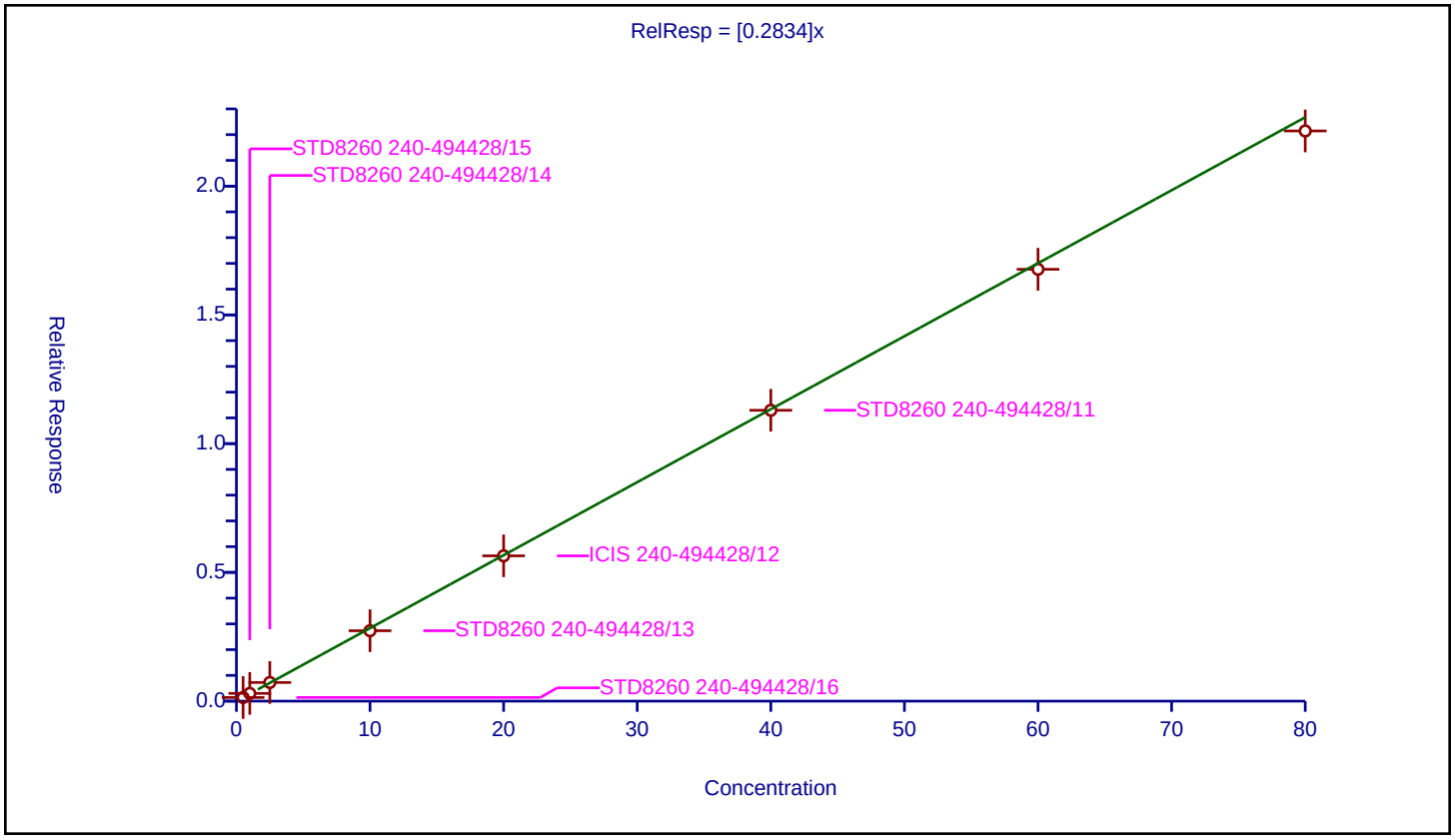
Curve Coefficients

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



Calibration / 1,1,1-Trichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

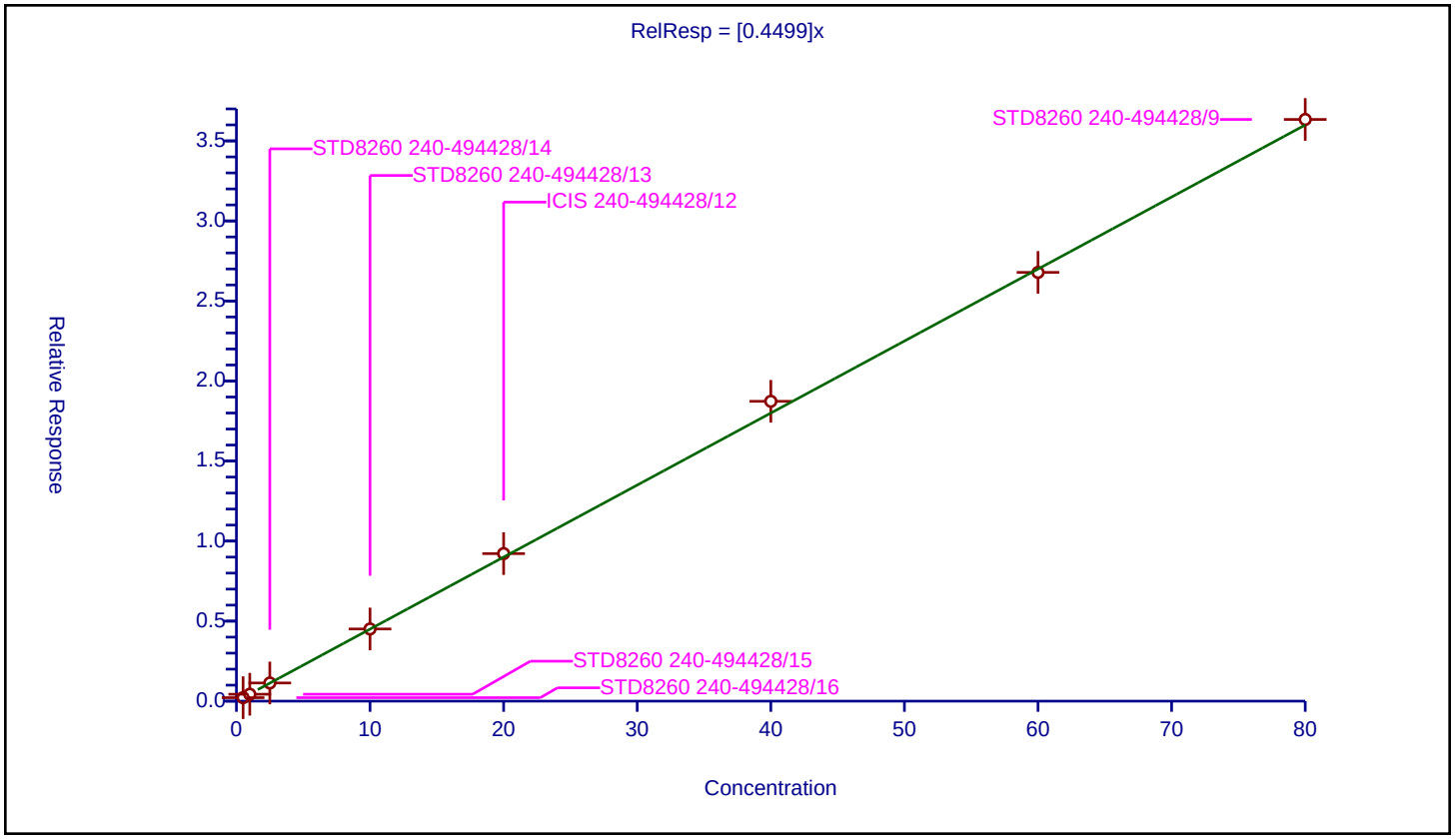
Curve Coefficients

Intercept:	0
Slope:	0.4499

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

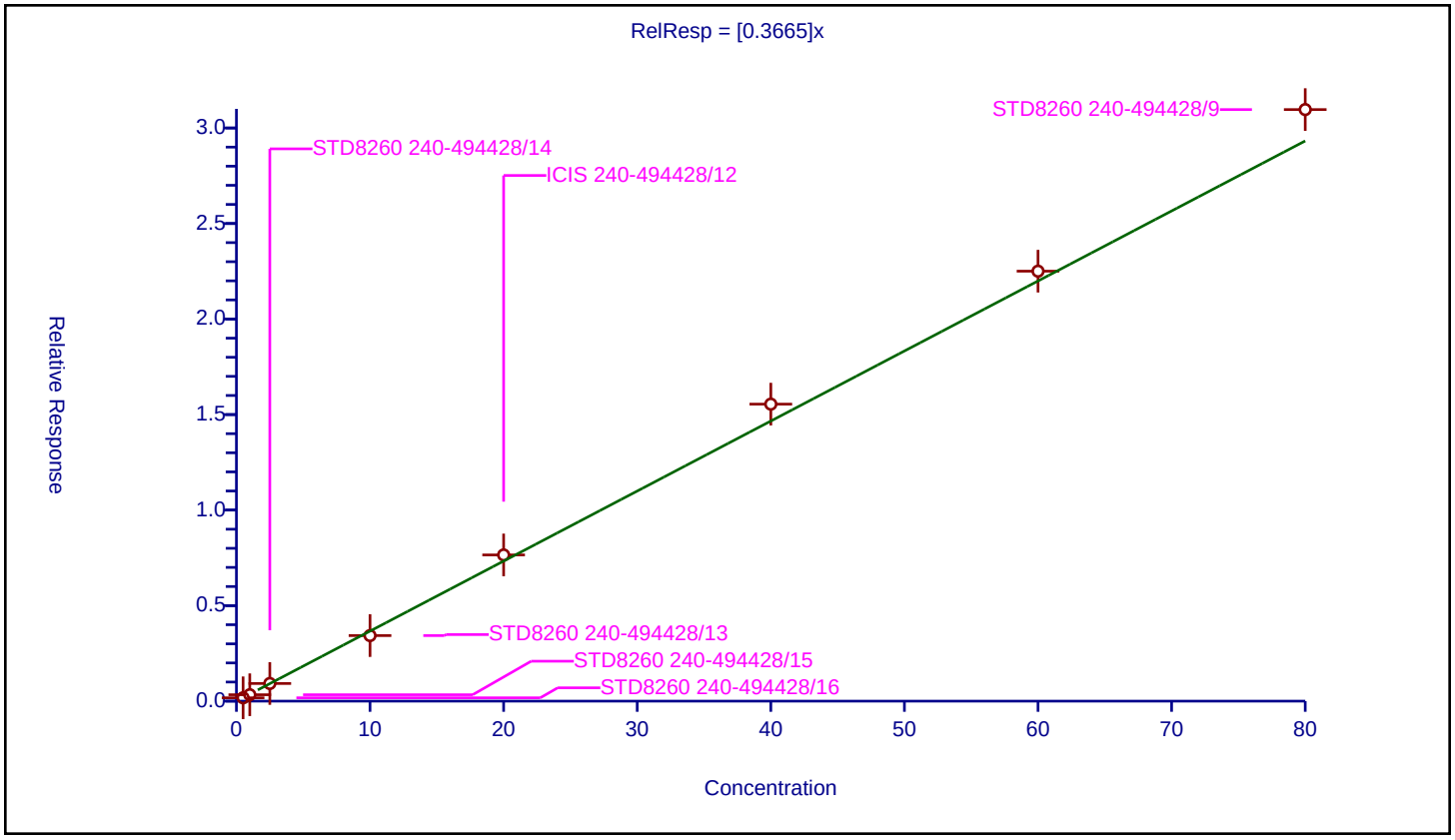
Curve Coefficients

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

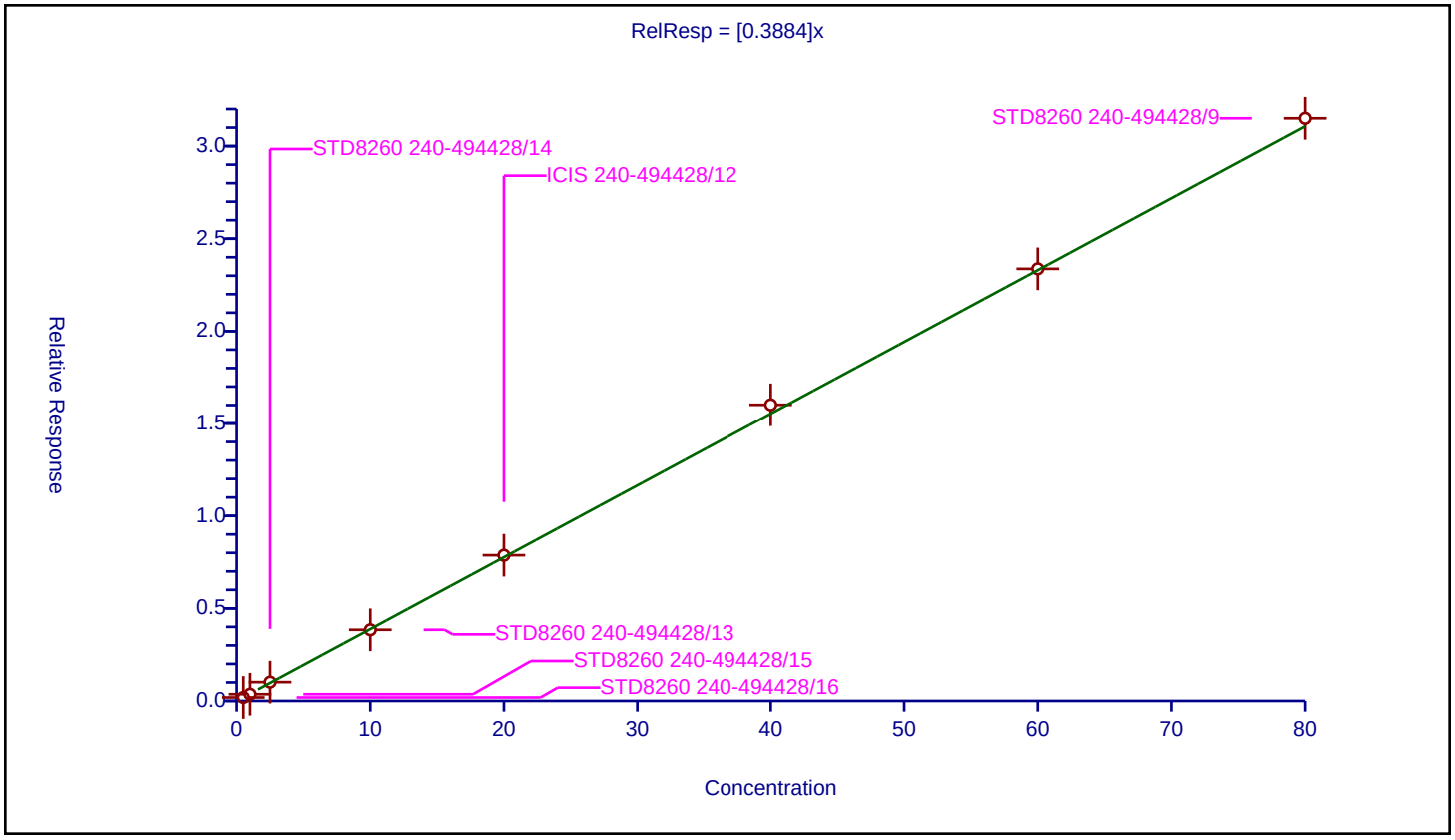
Curve Coefficients

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

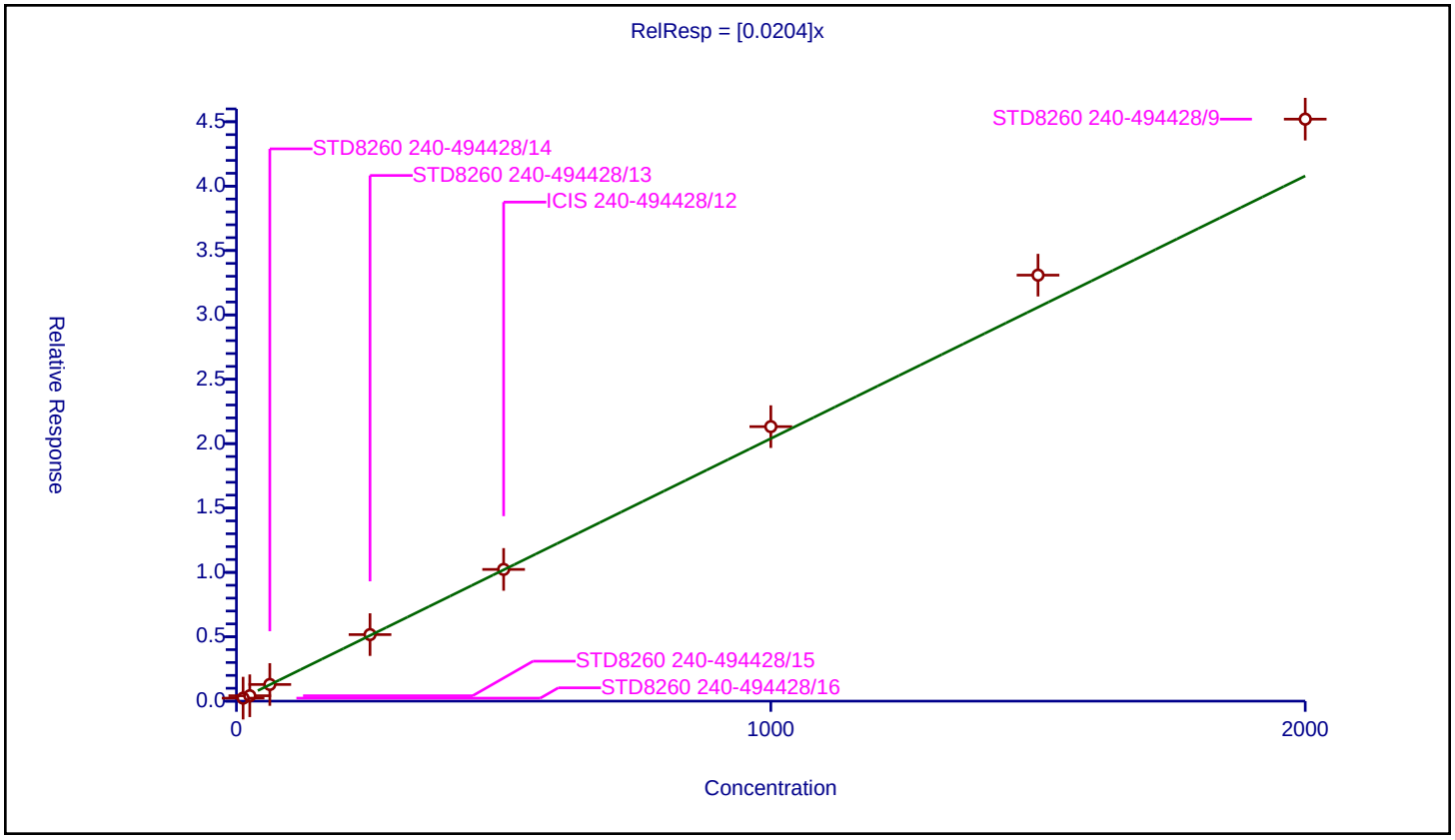
Curve Coefficients

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

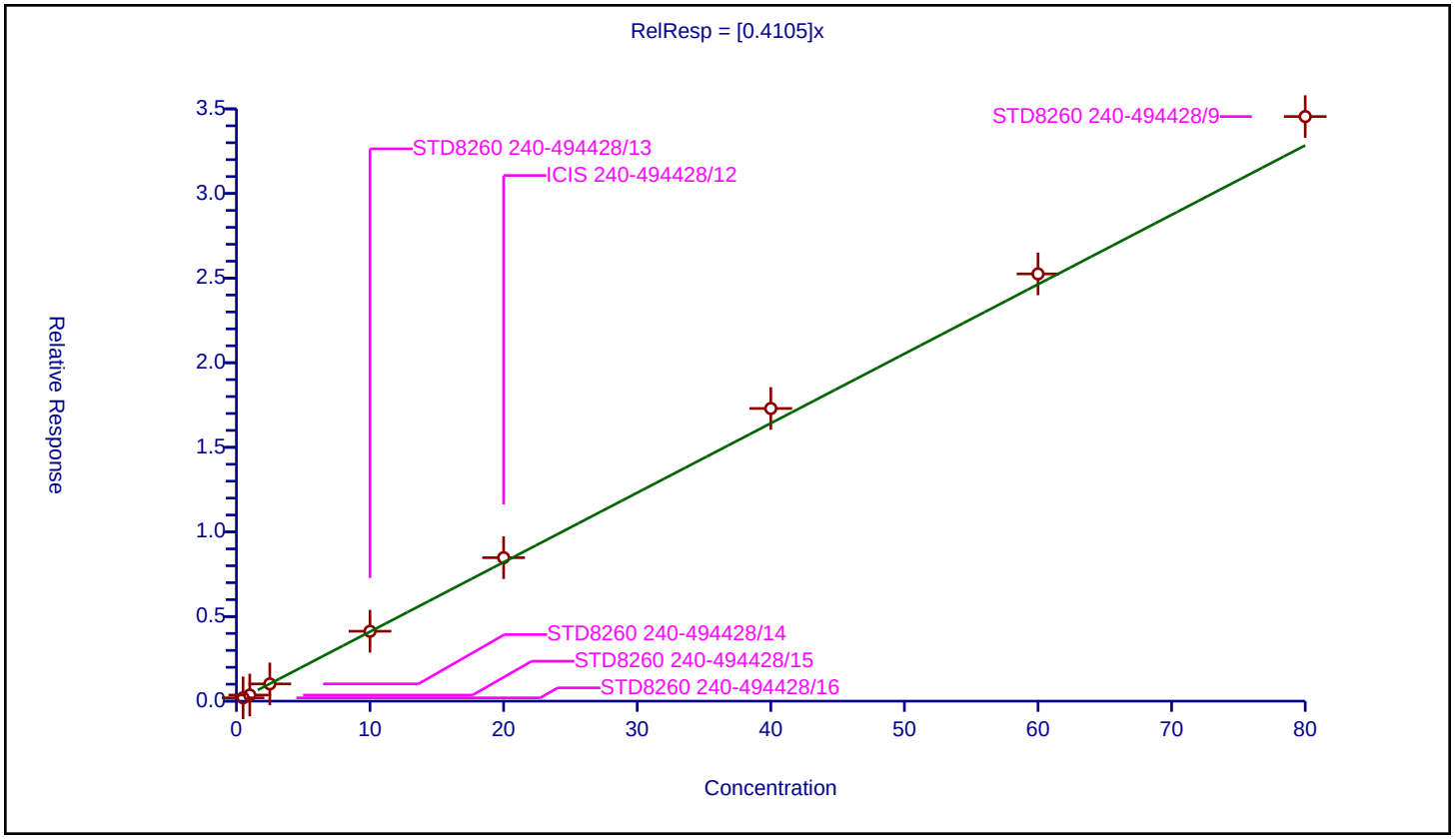
Curve Coefficients

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

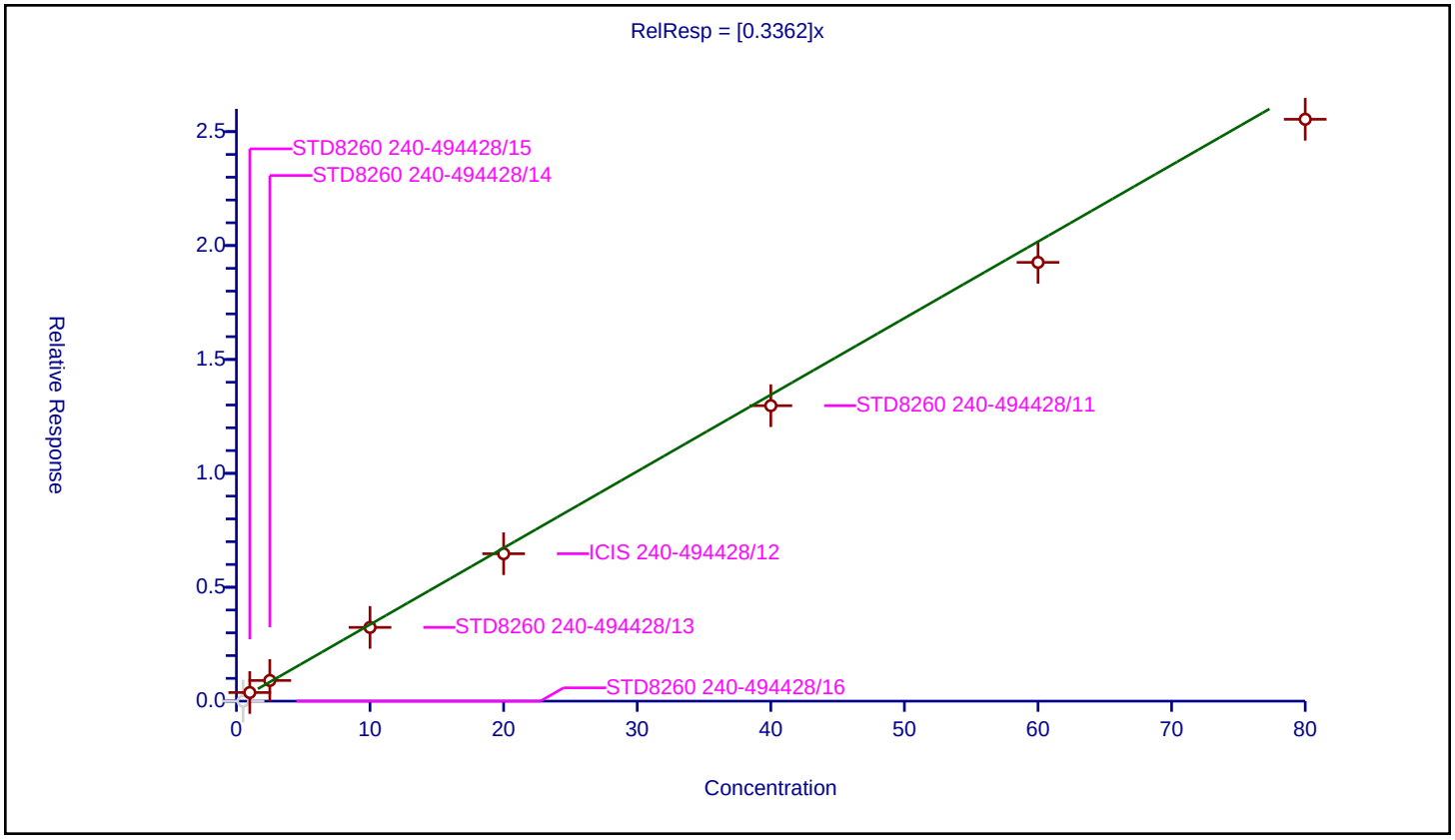
Curve Coefficients

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

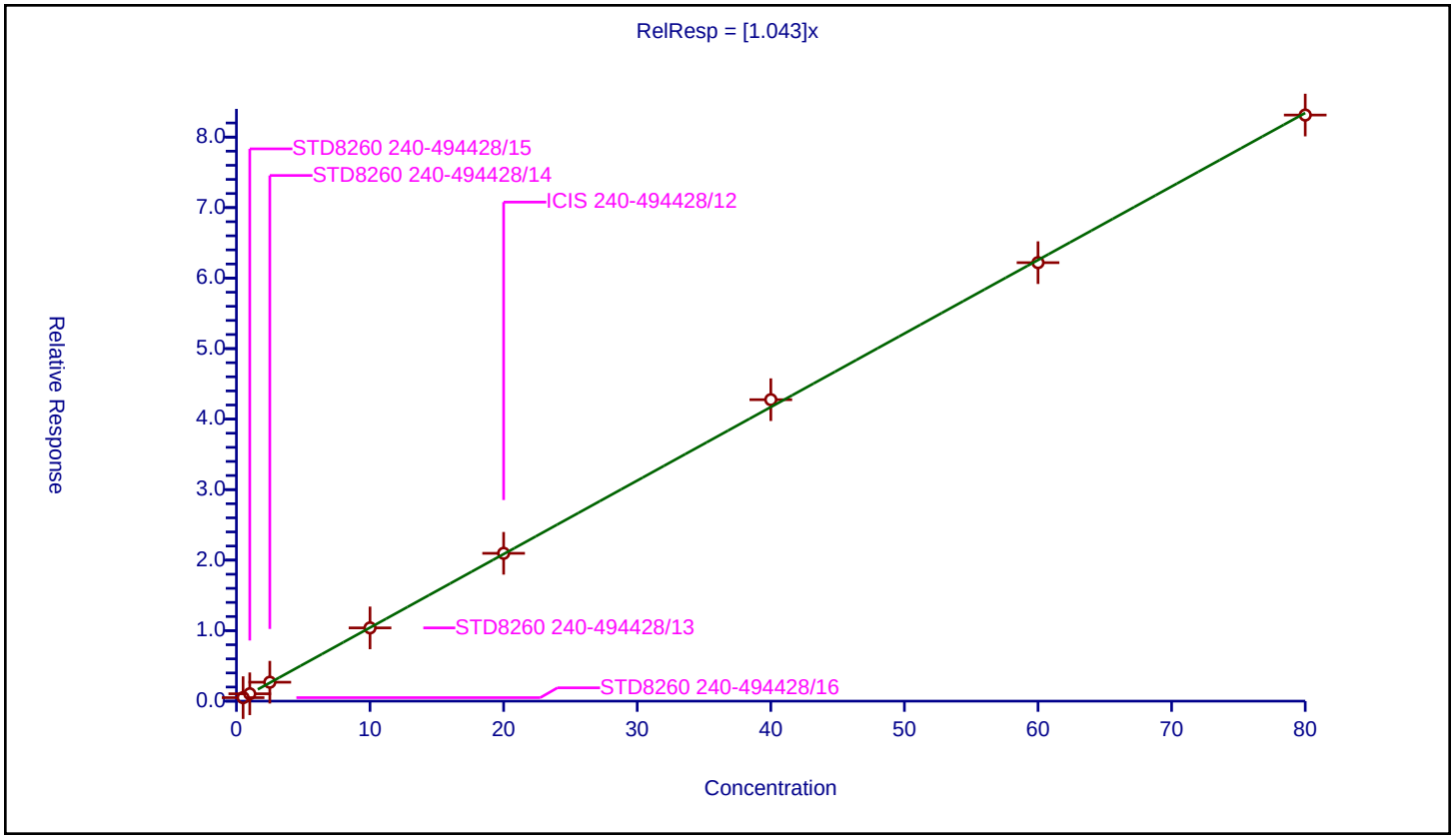
Curve Coefficients

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

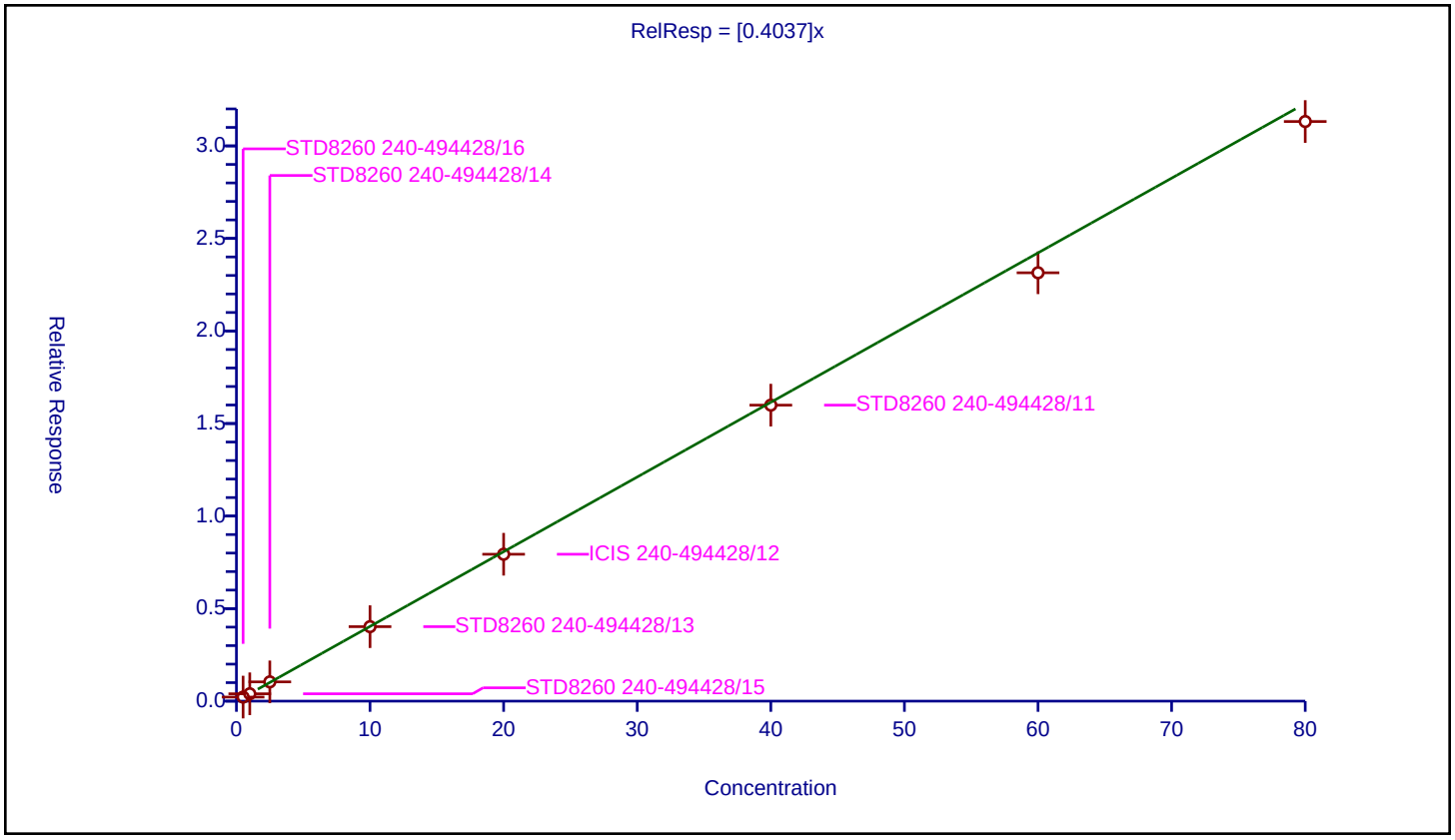
Curve Coefficients

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

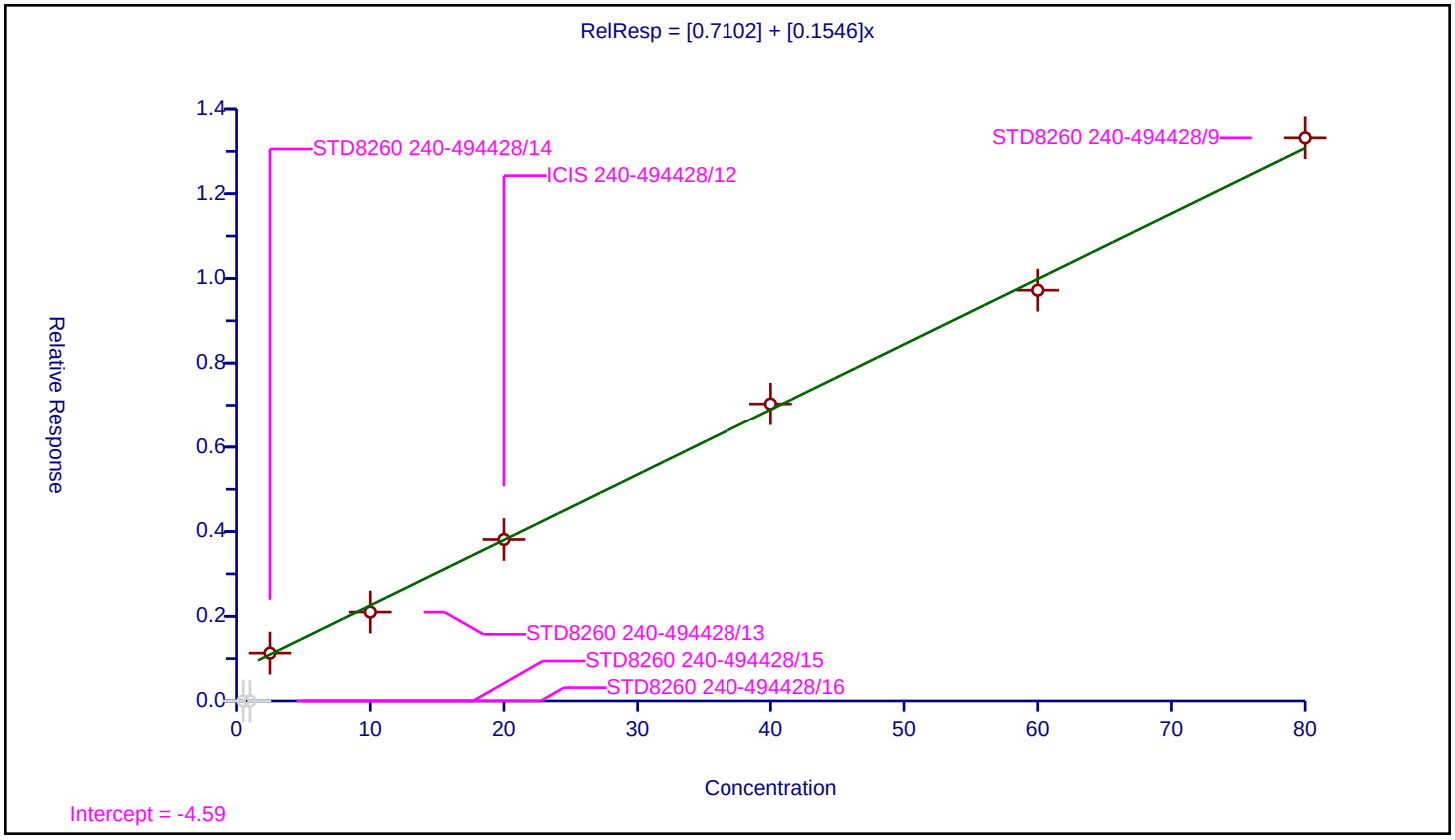
Curve Coefficients

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

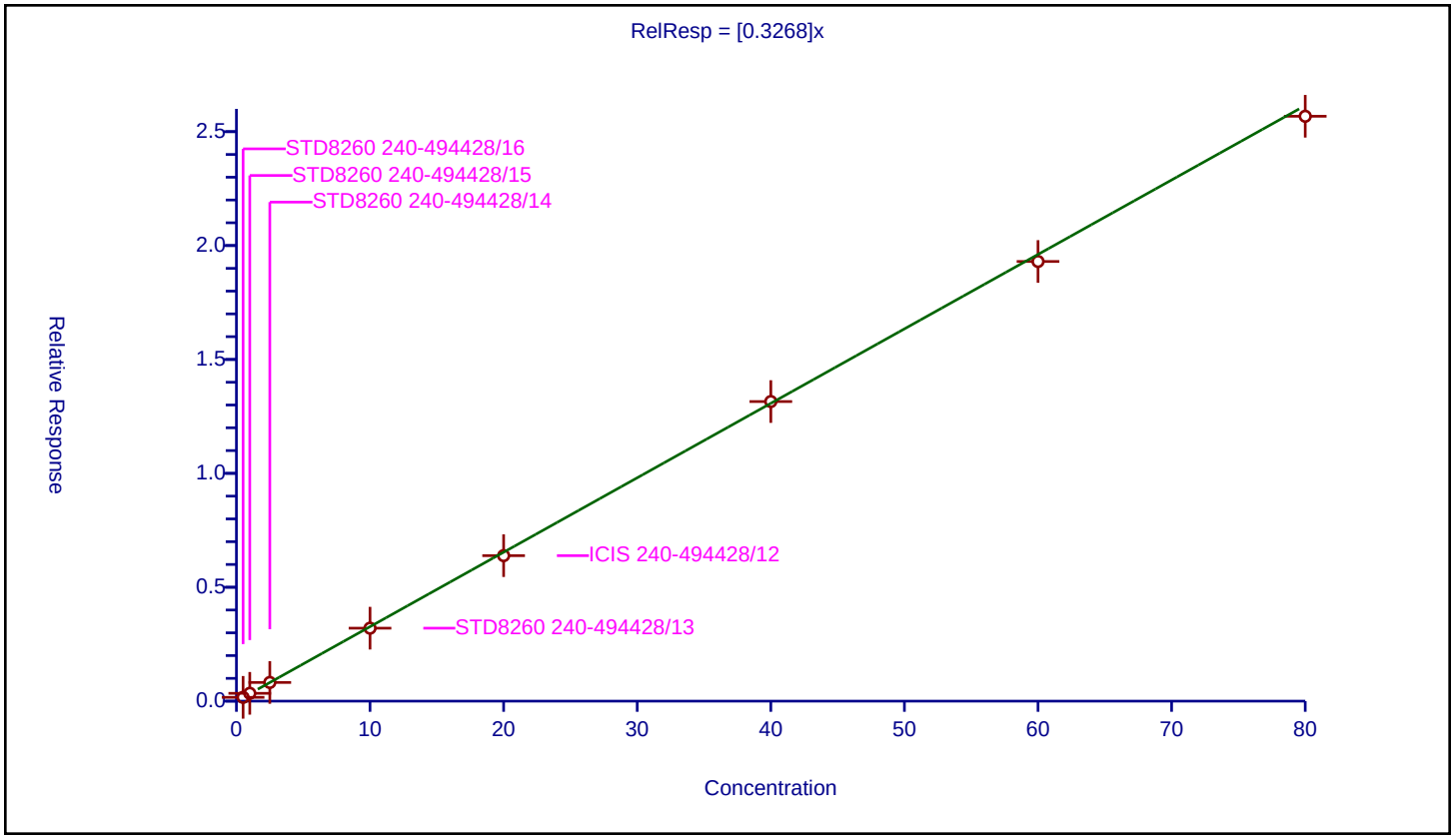
Curve Coefficients

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

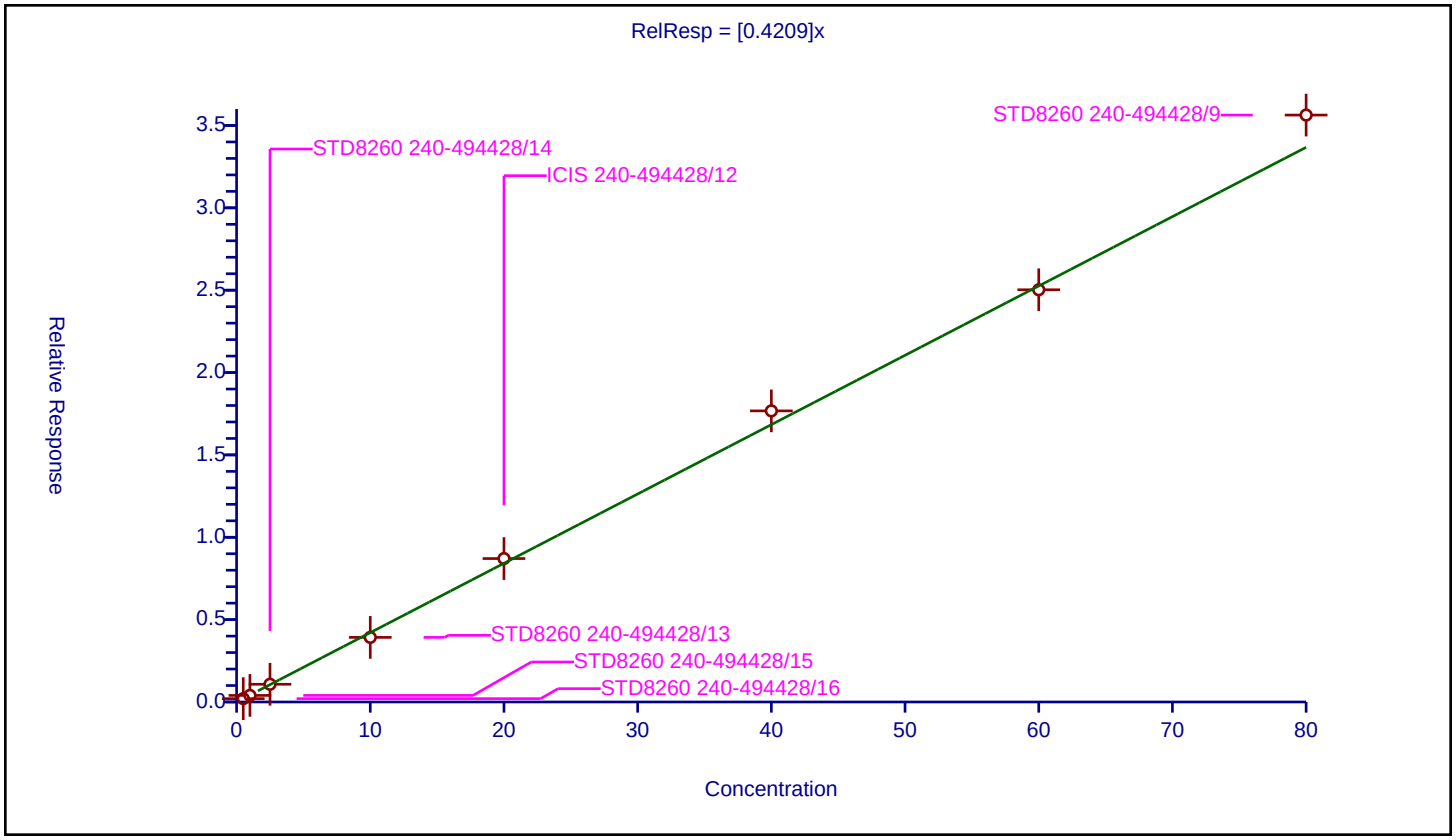
Curve Coefficients

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

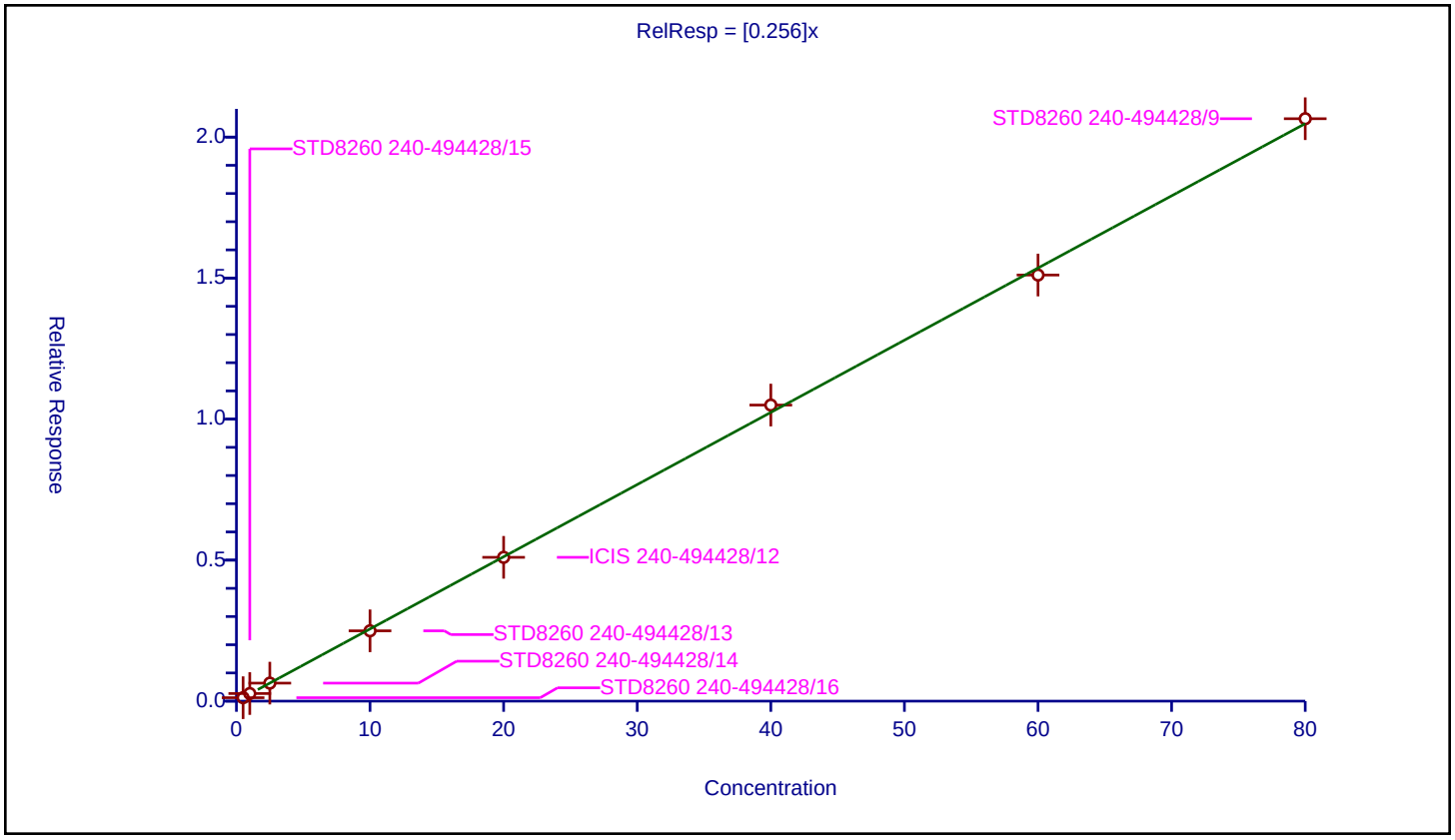
Curve Coefficients

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

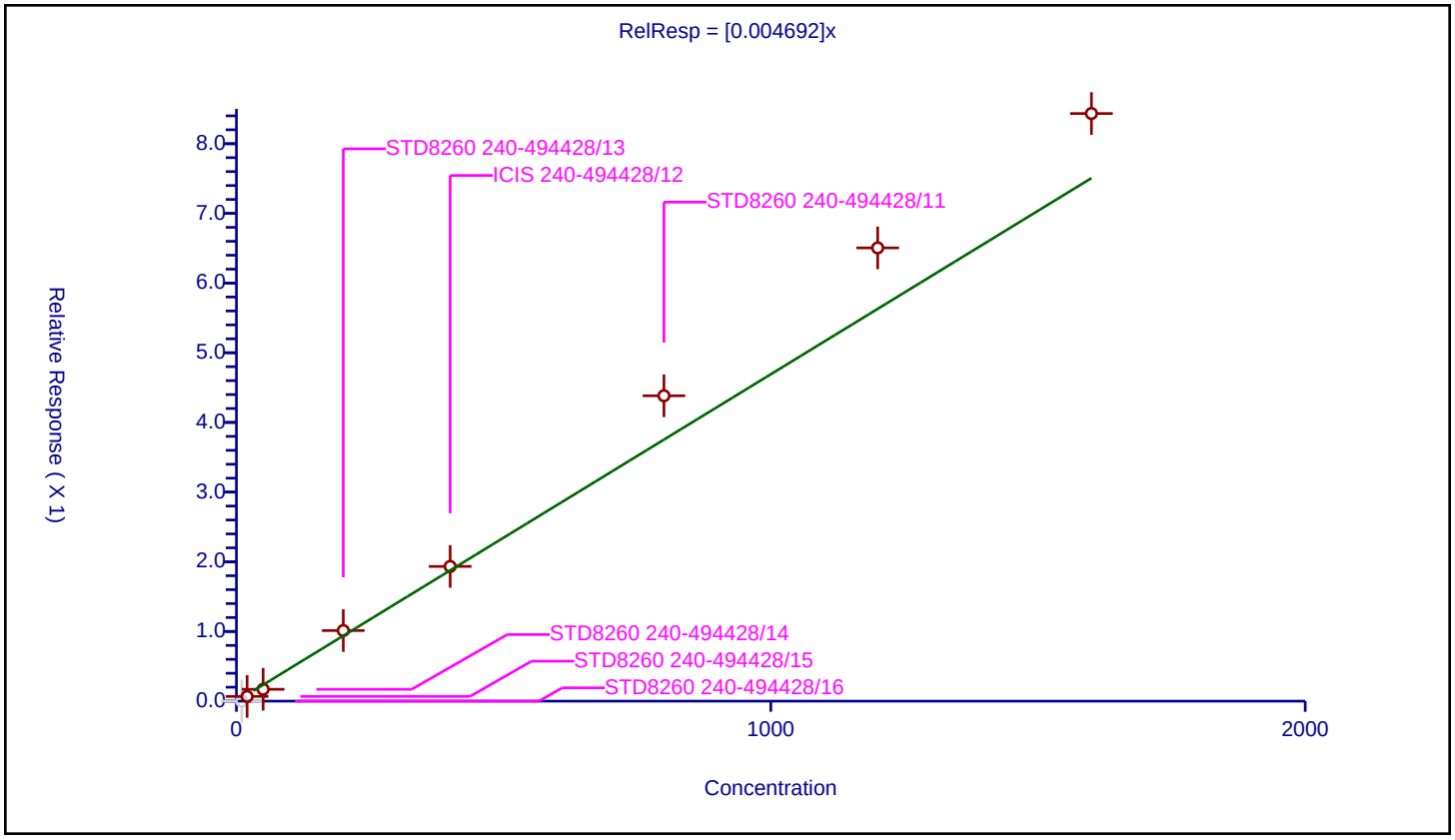
Curve Coefficients

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



Calibration / Dibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

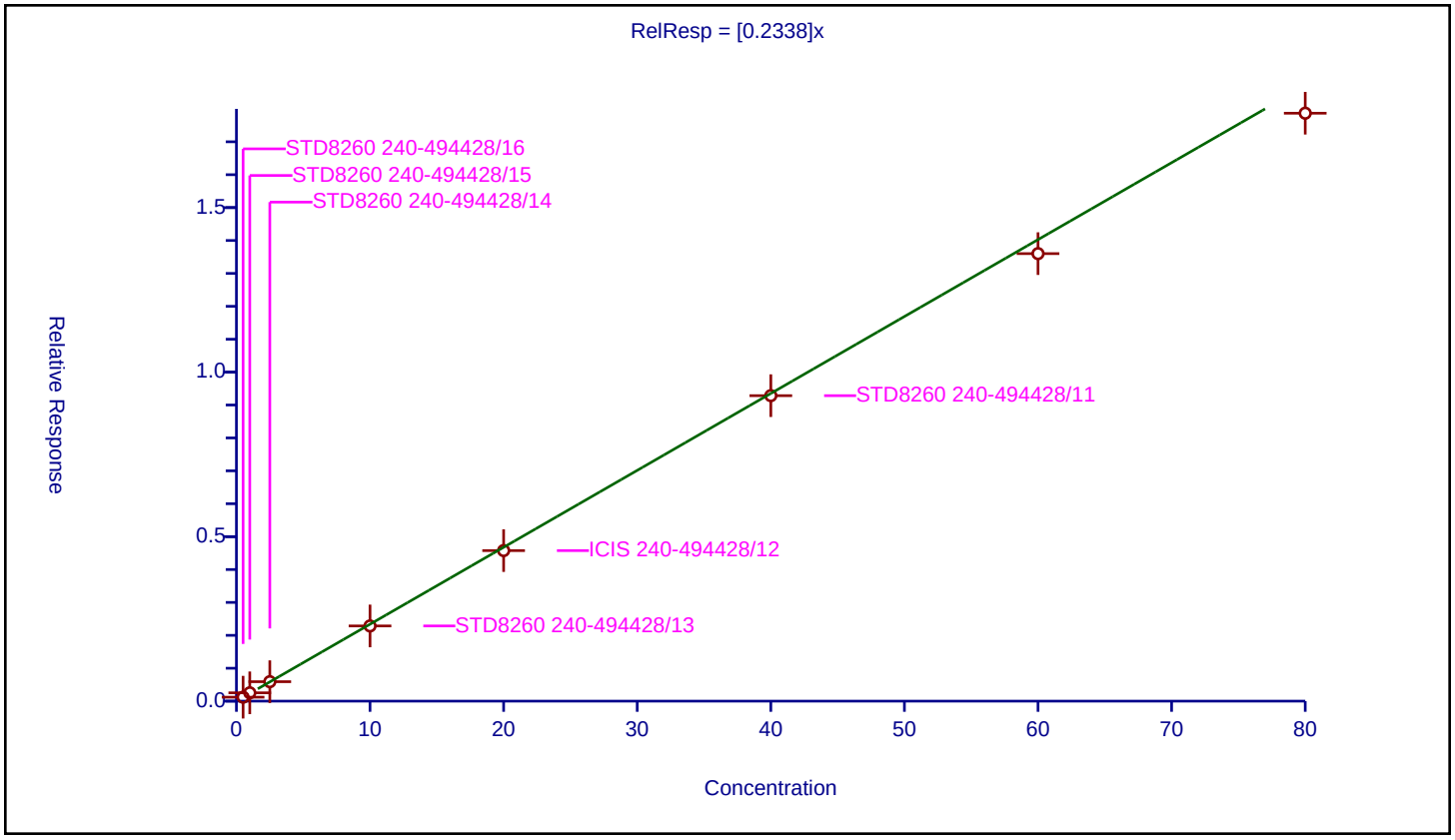
Curve Coefficients

Intercept:	0
Slope:	0.2338

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

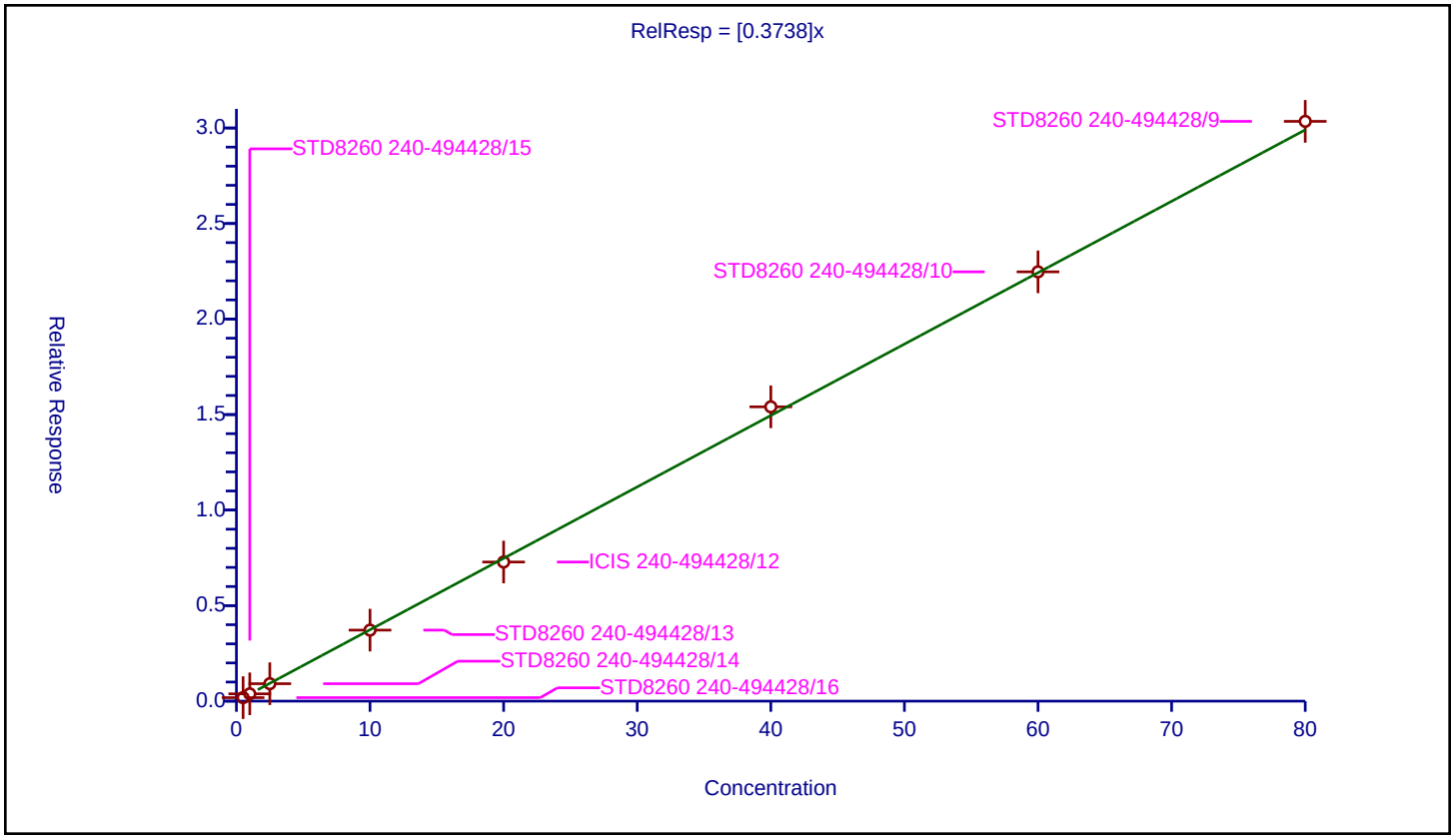
Curve Coefficients

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

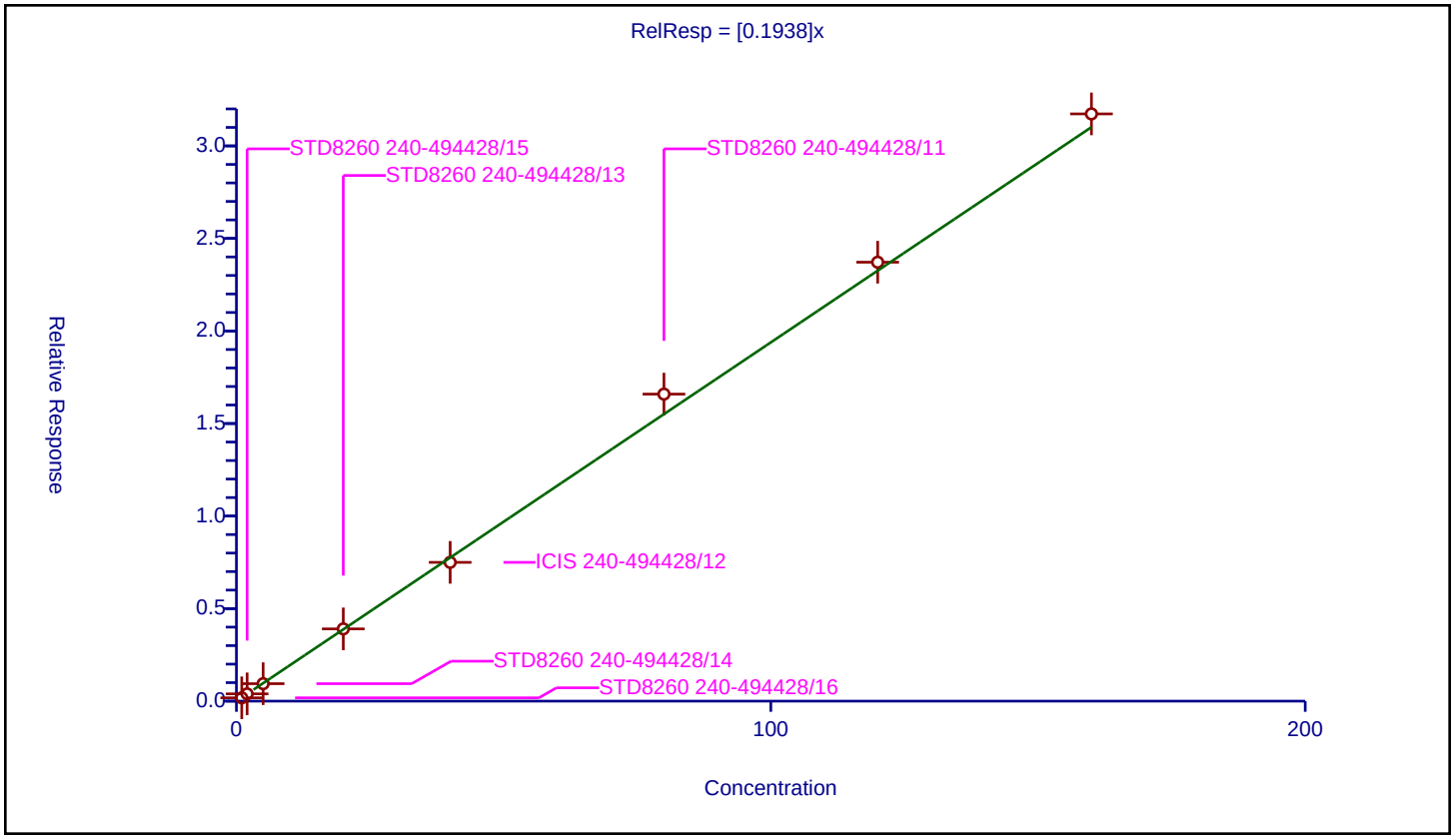
Curve Coefficients

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

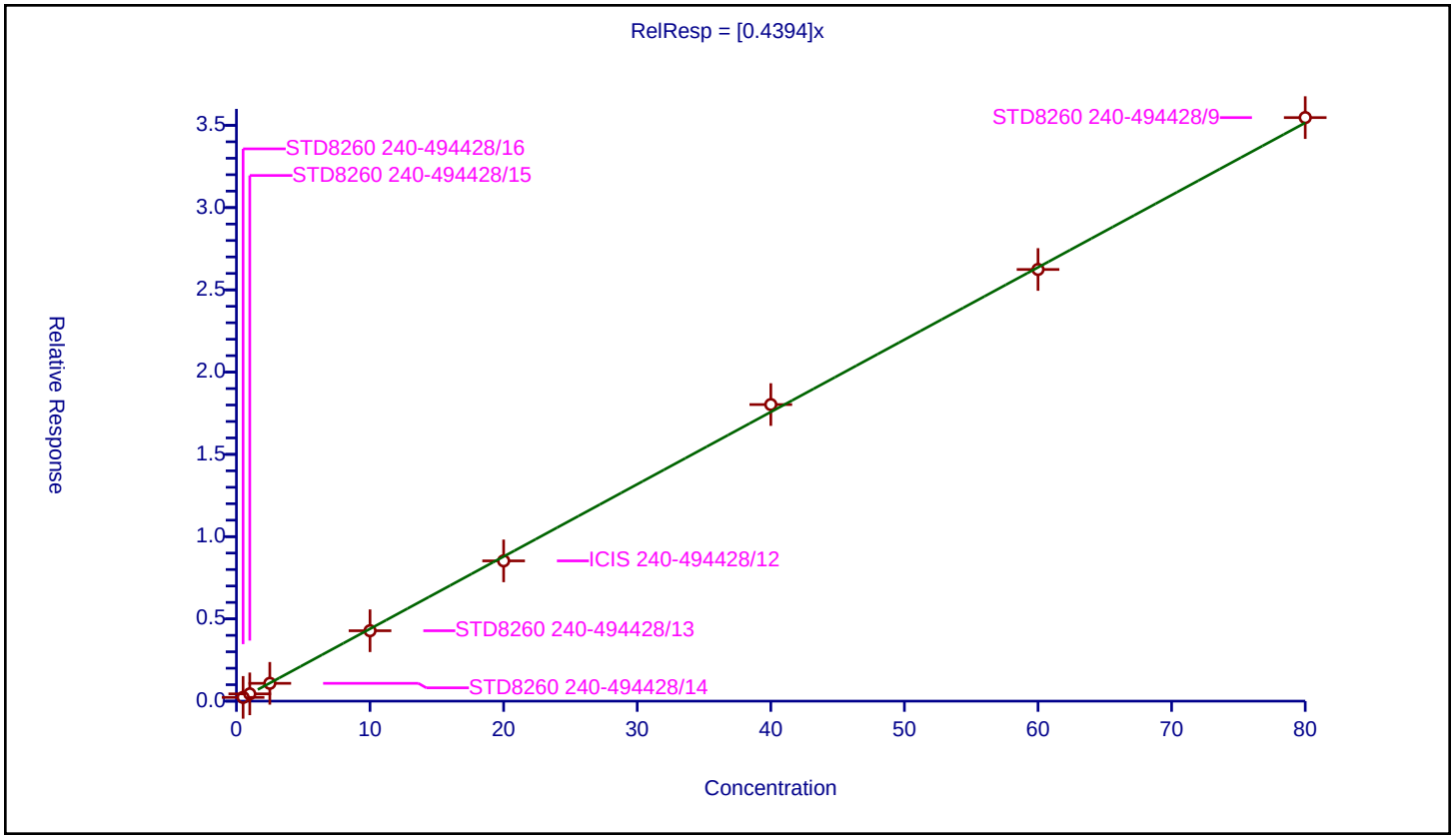
Curve Coefficients

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

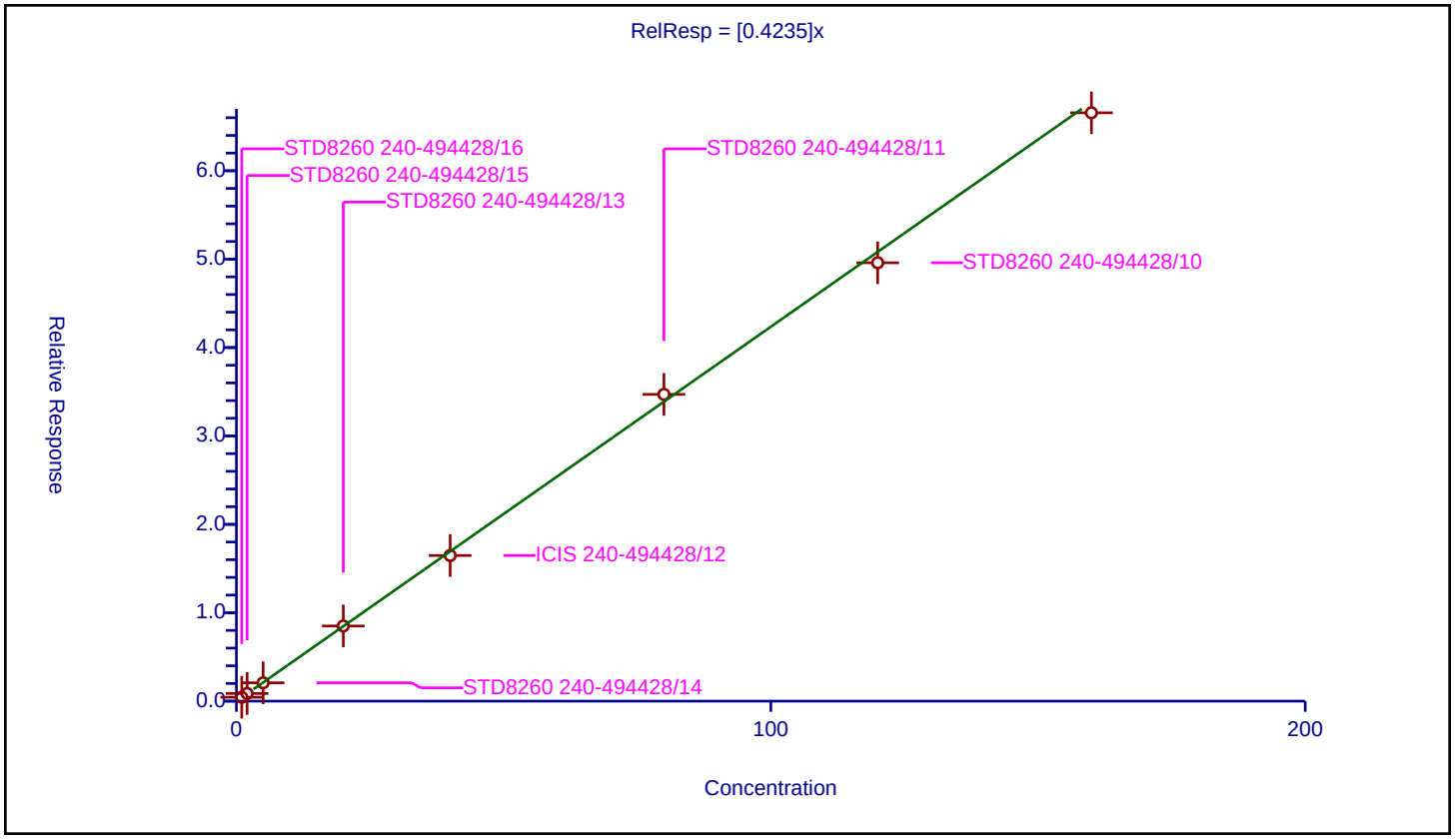
Curve Coefficients

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

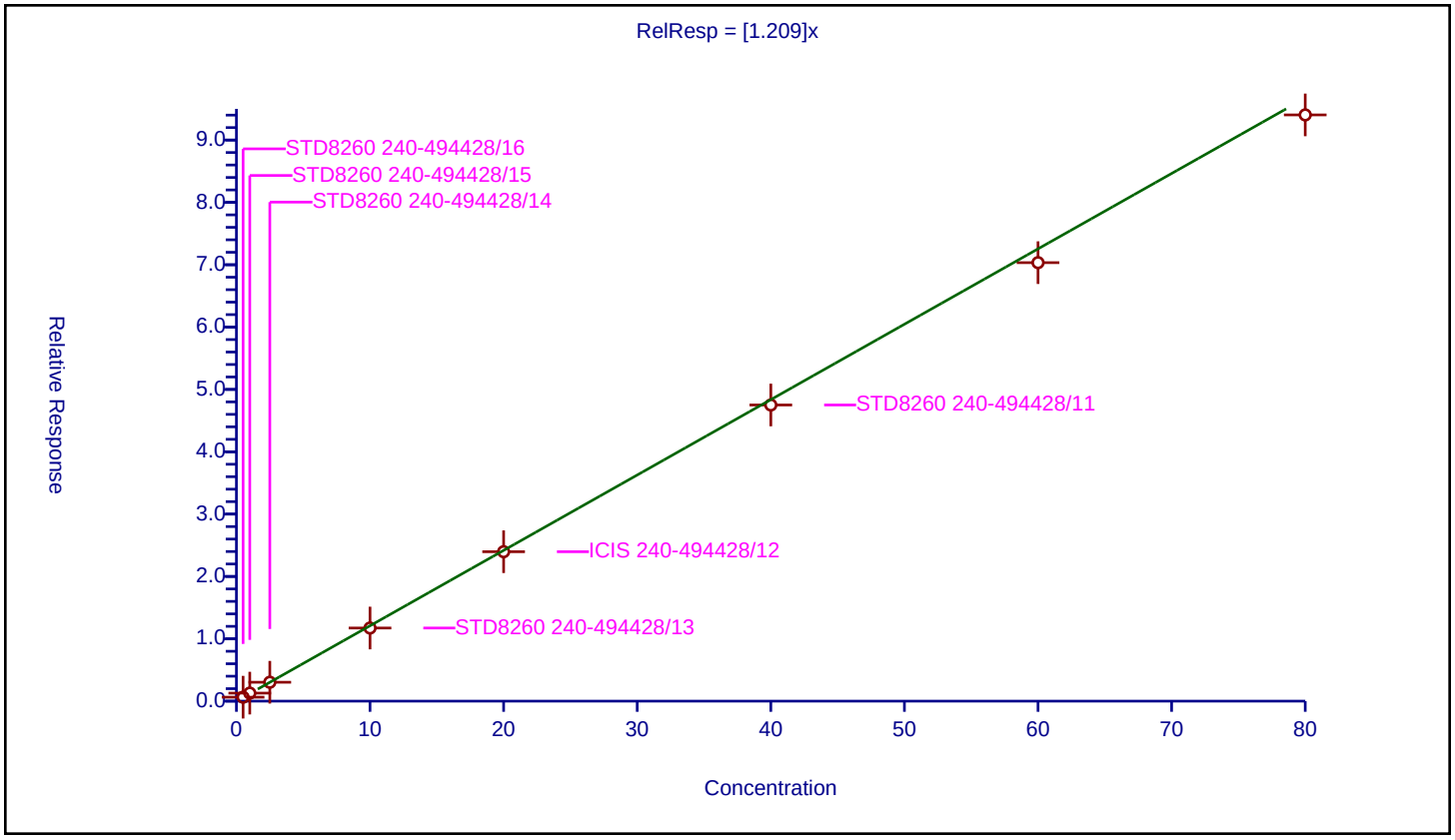
Curve Coefficients

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

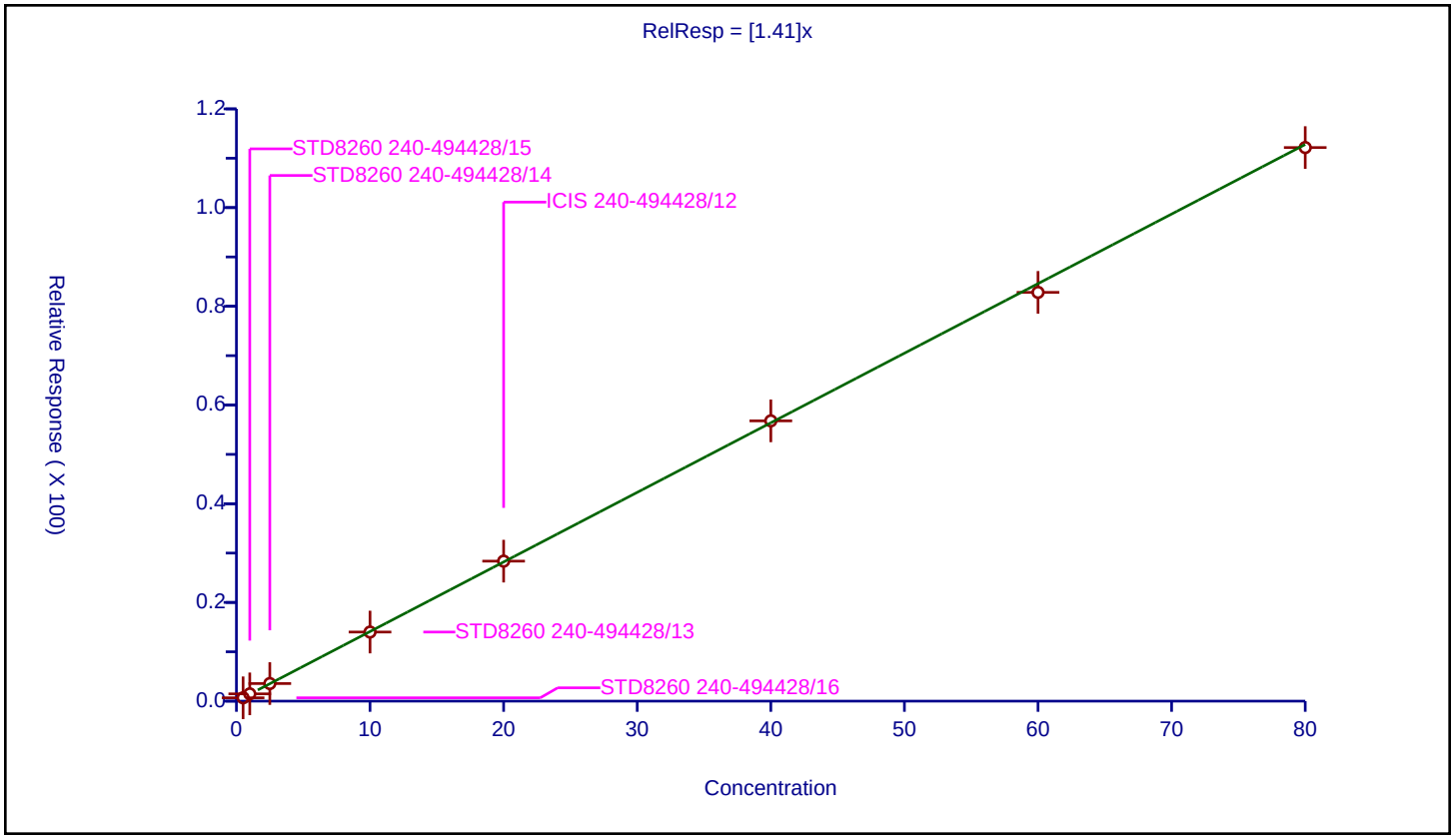
Curve Coefficients

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

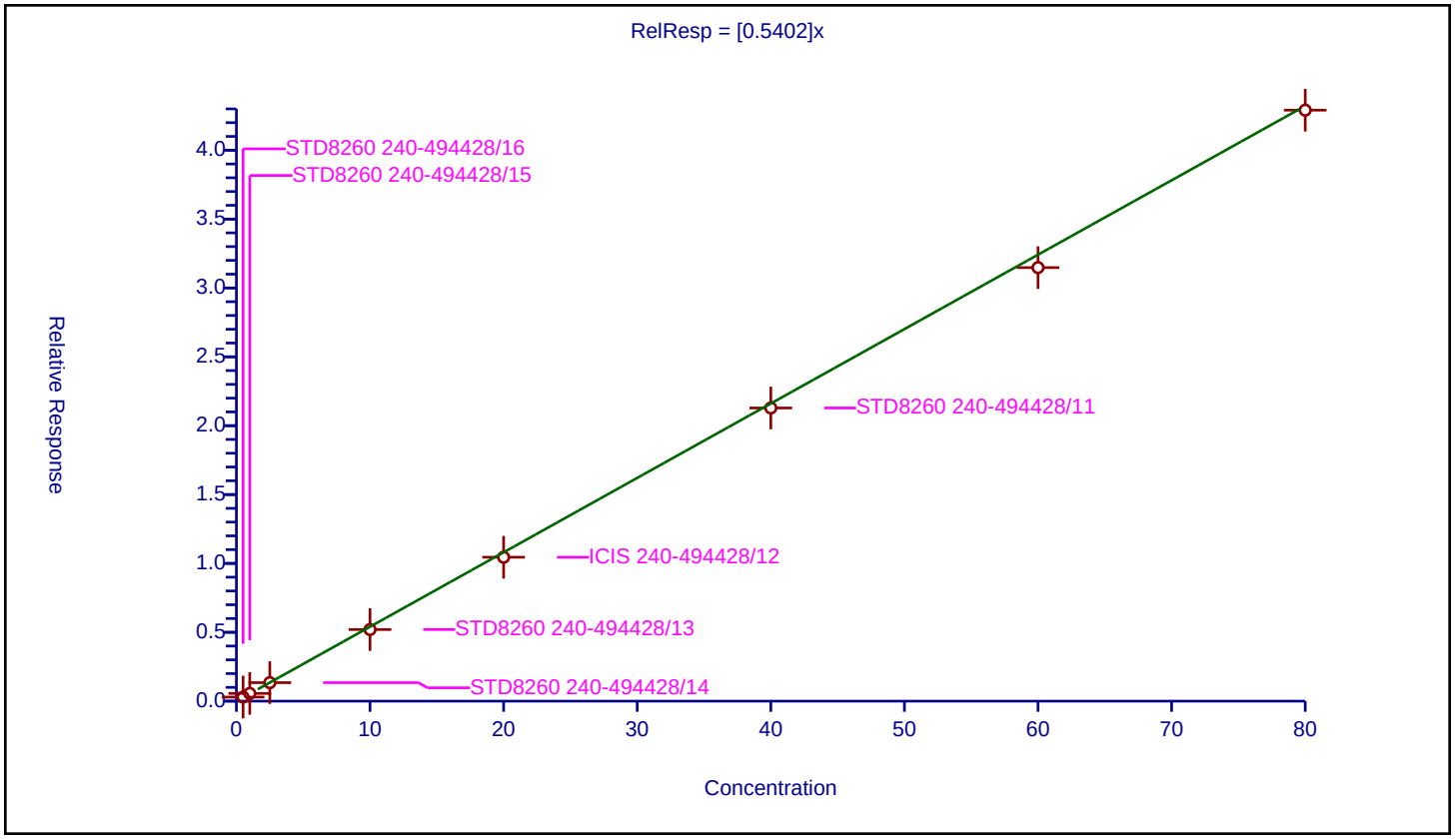
Curve Coefficients

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

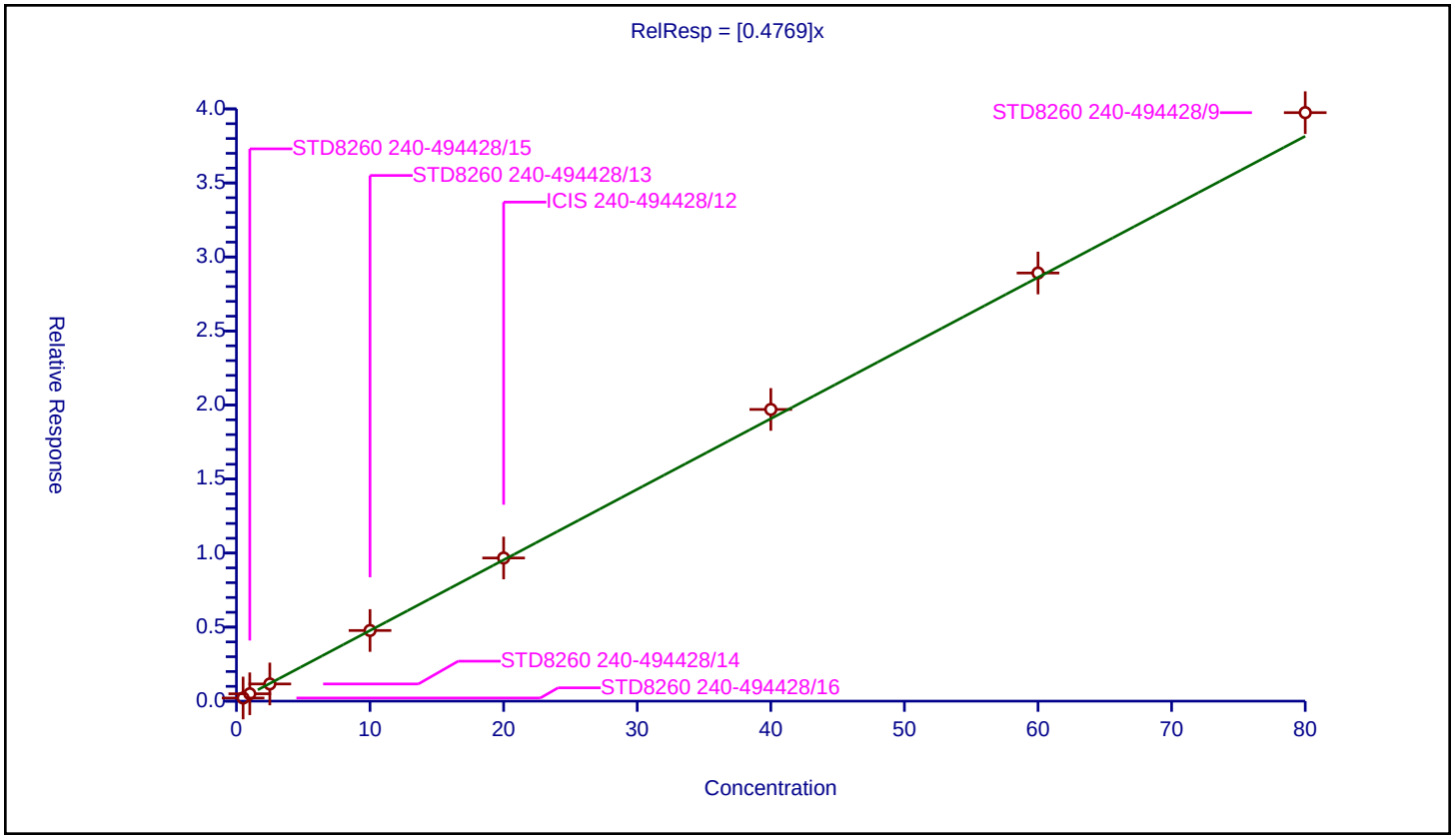
Curve Coefficients

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

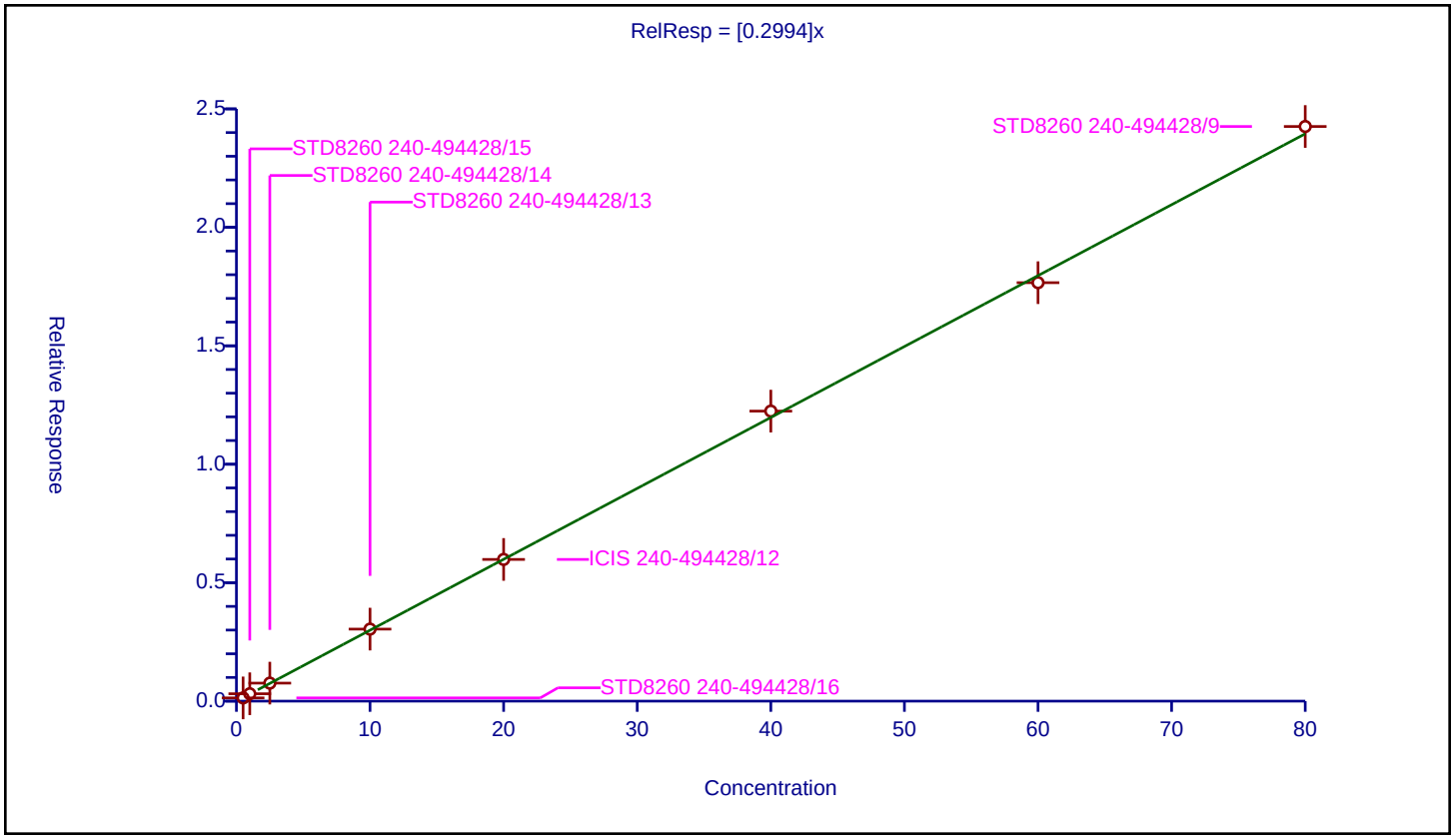
Curve Coefficients

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

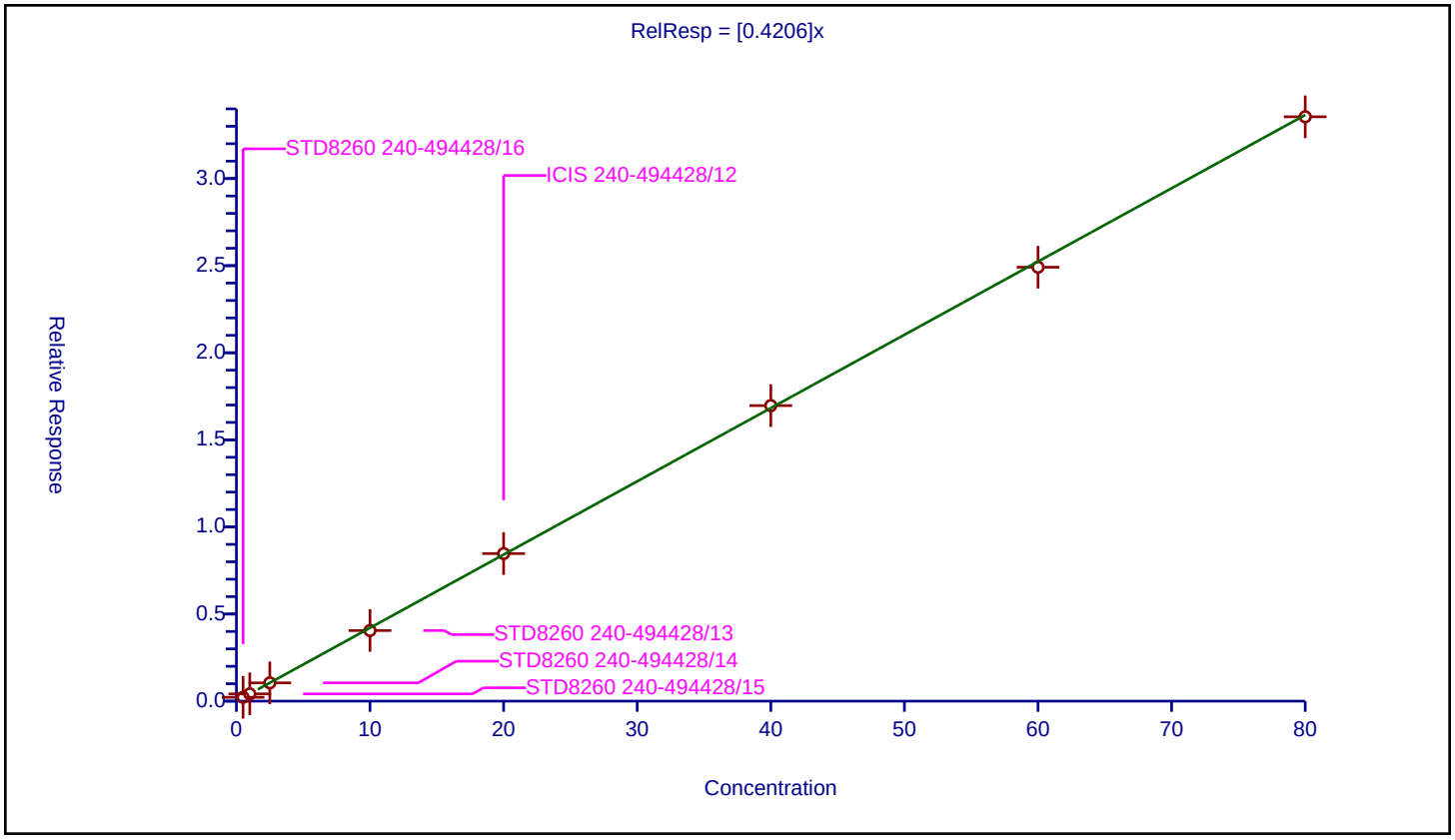
Curve Coefficients

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

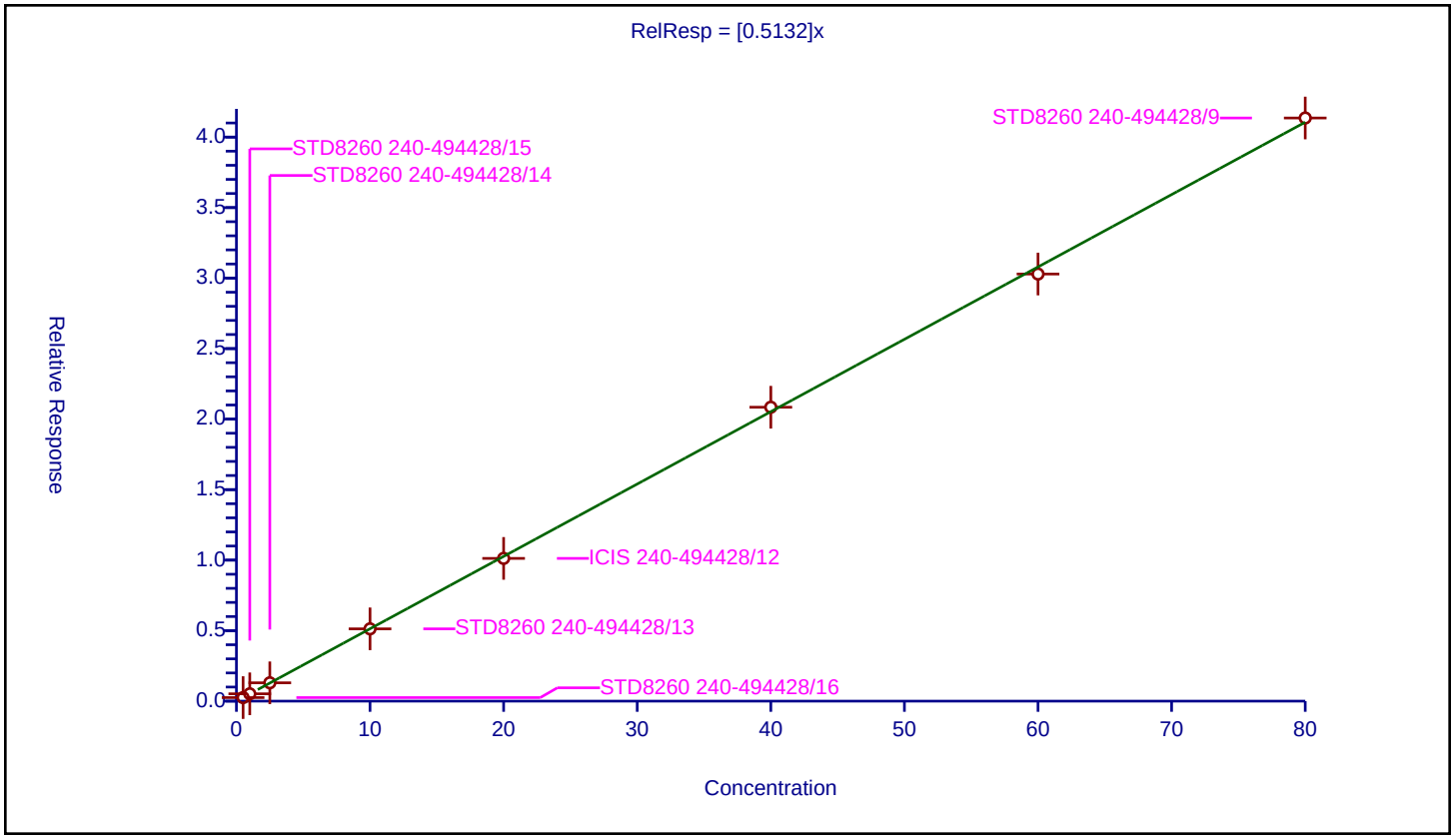
Curve Coefficients

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

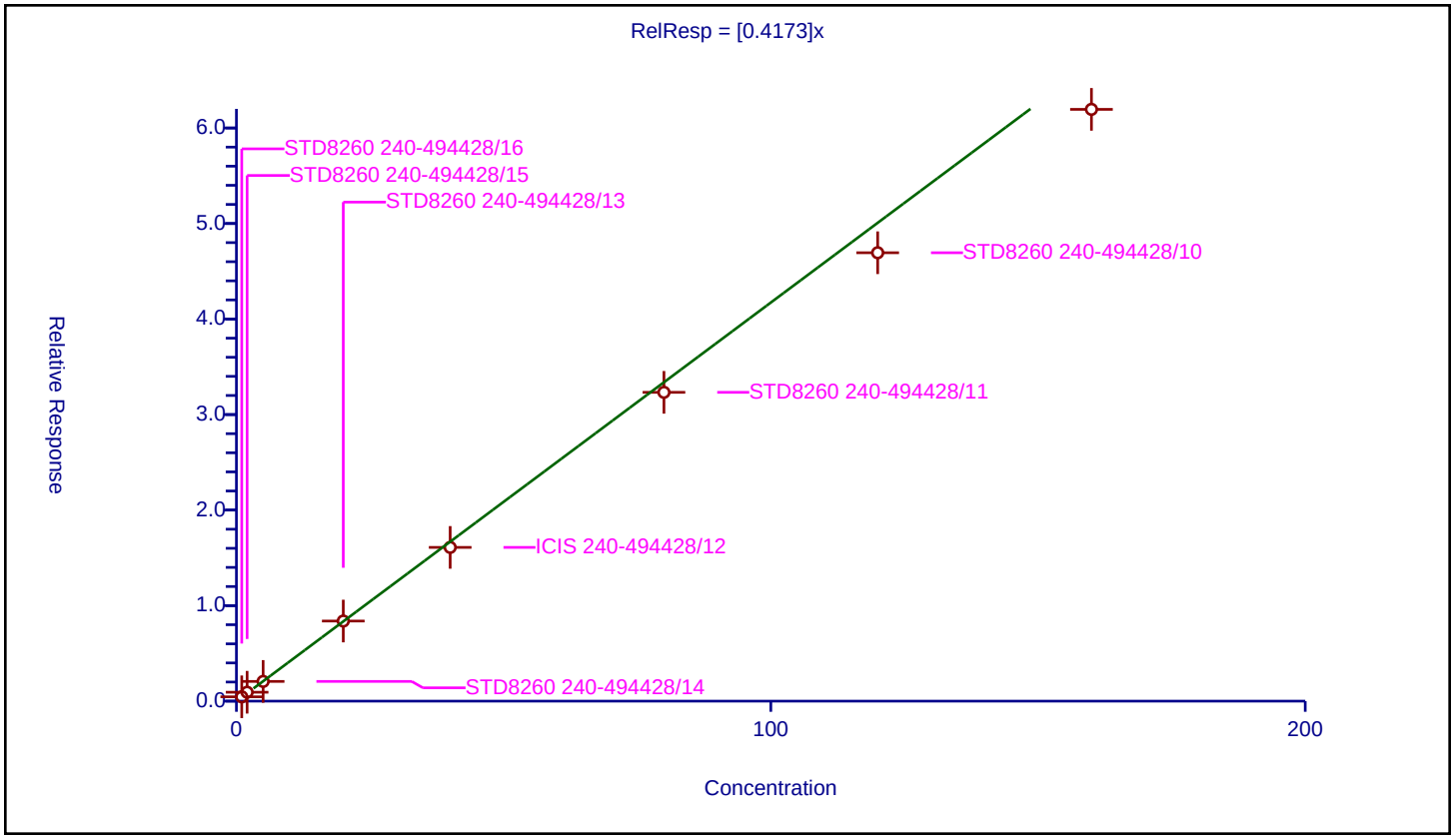
Curve Coefficients

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

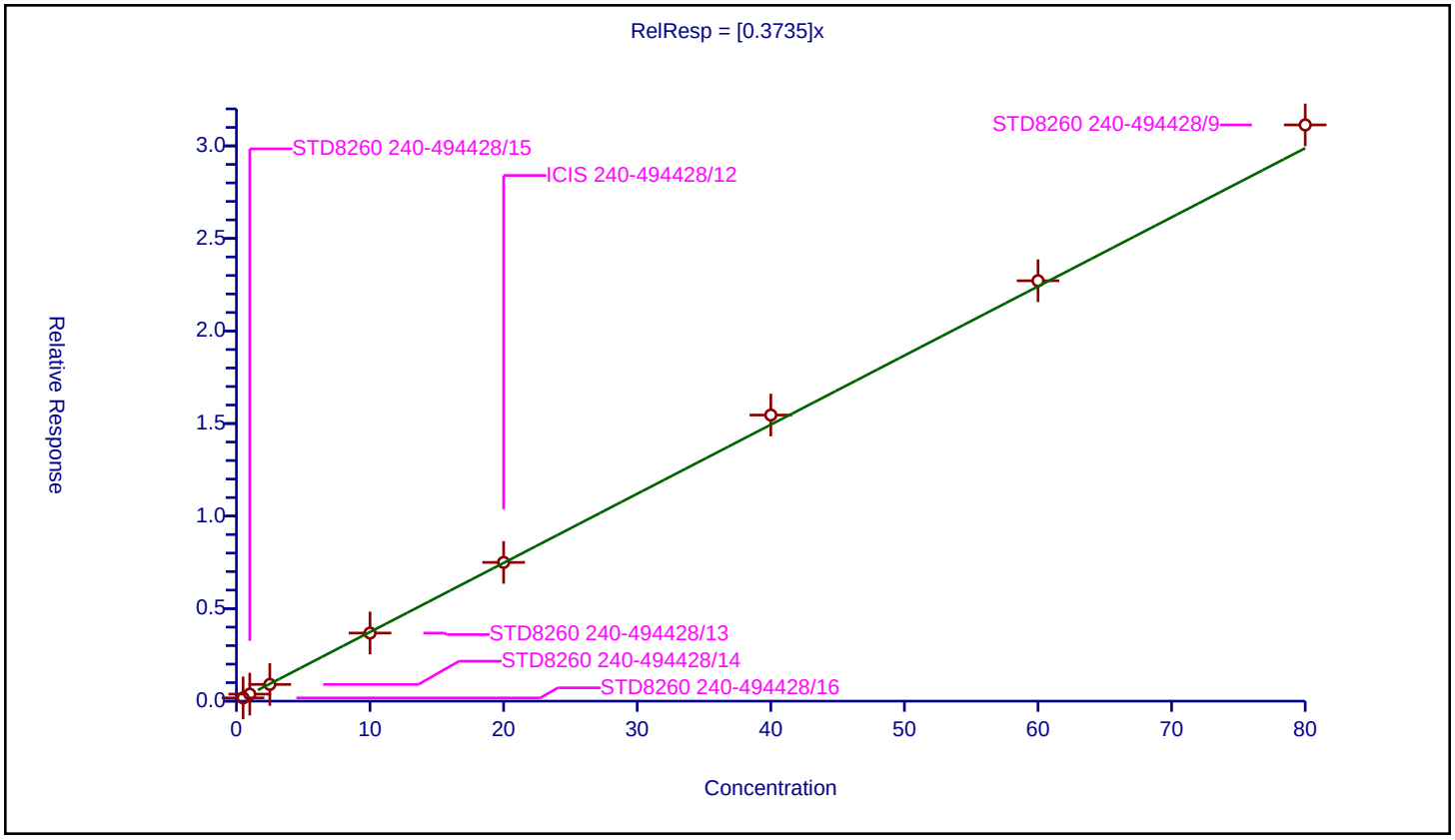
Curve Coefficients

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

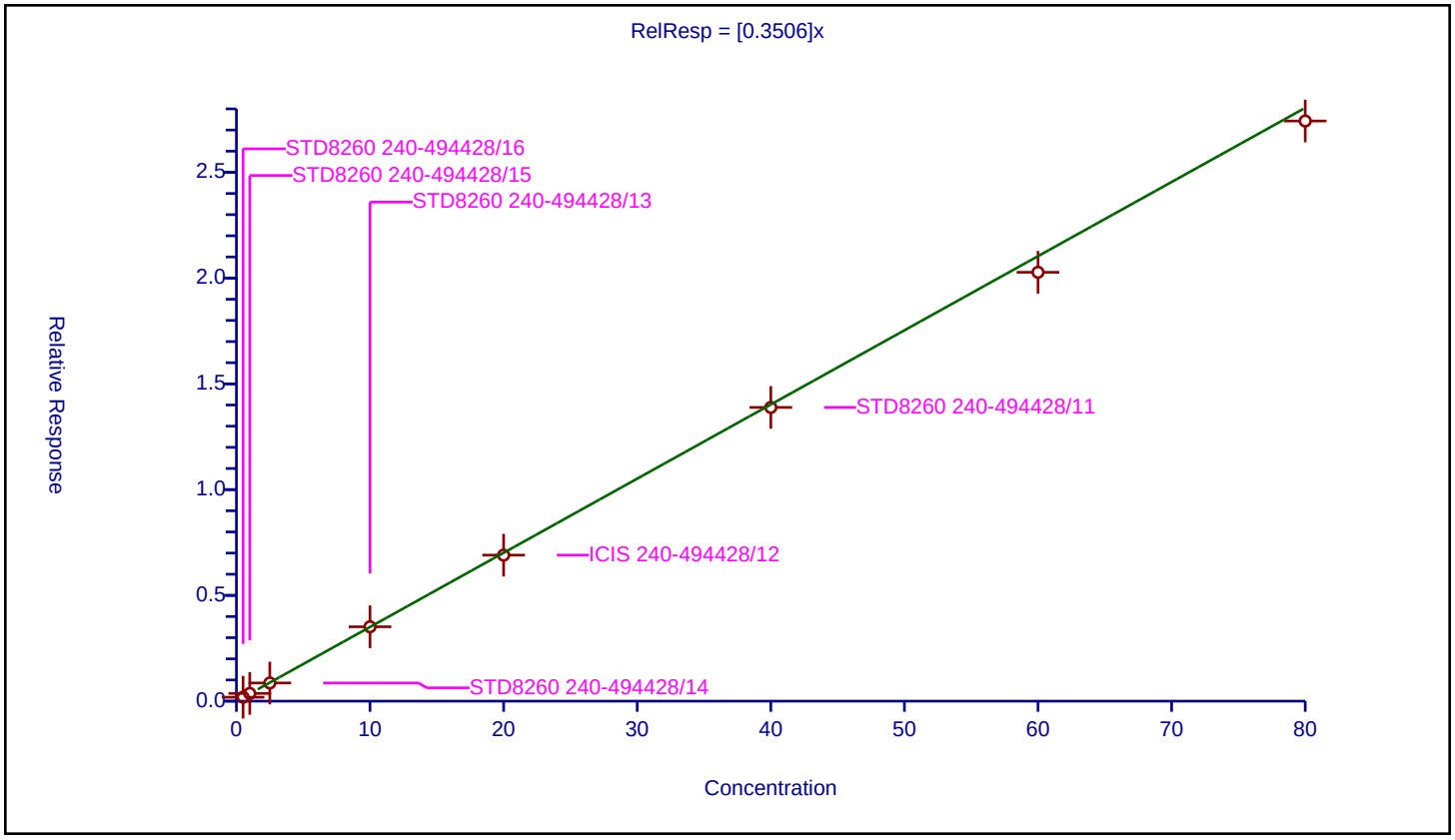
Curve Coefficients

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

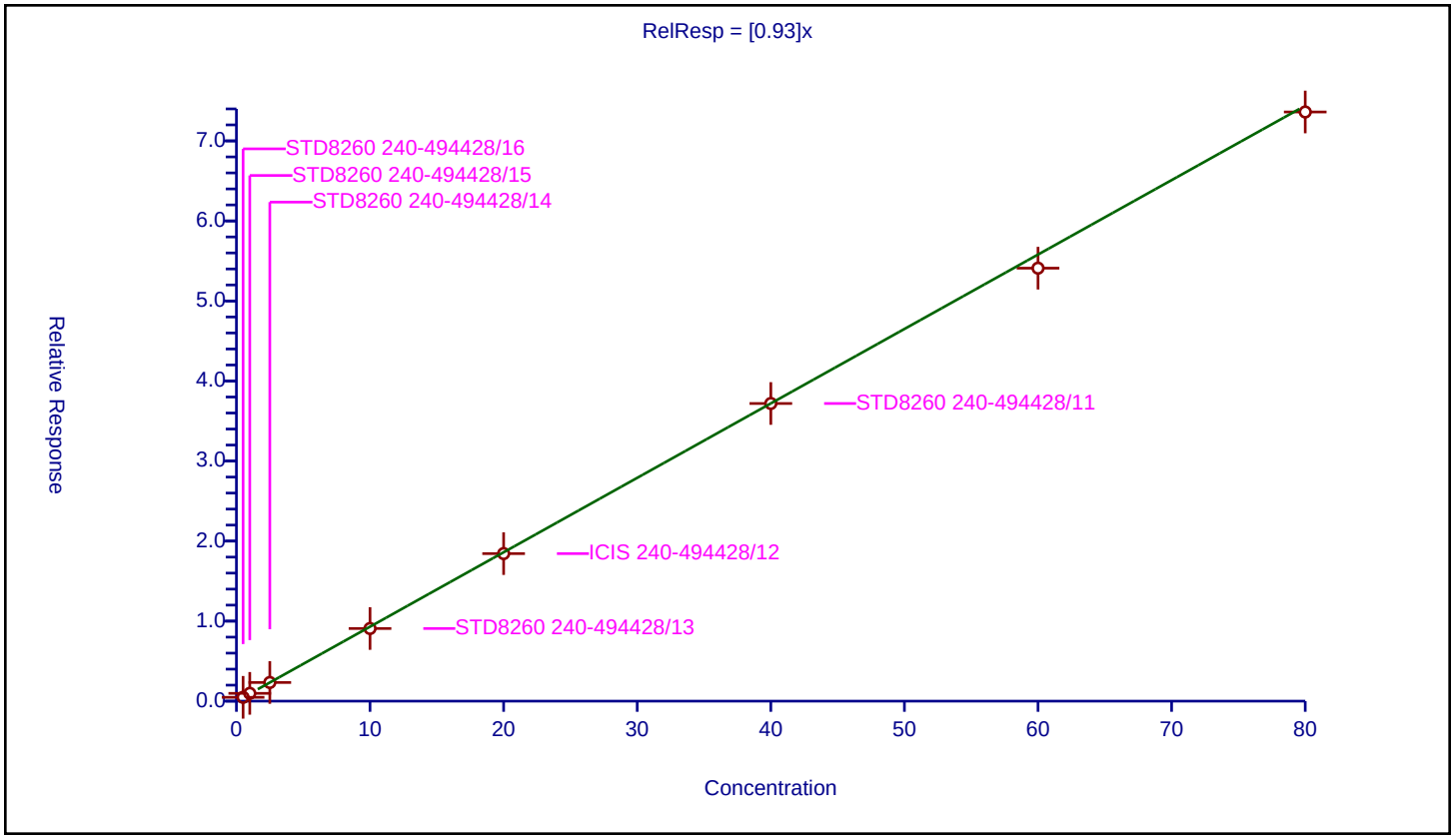
Curve Coefficients

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



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

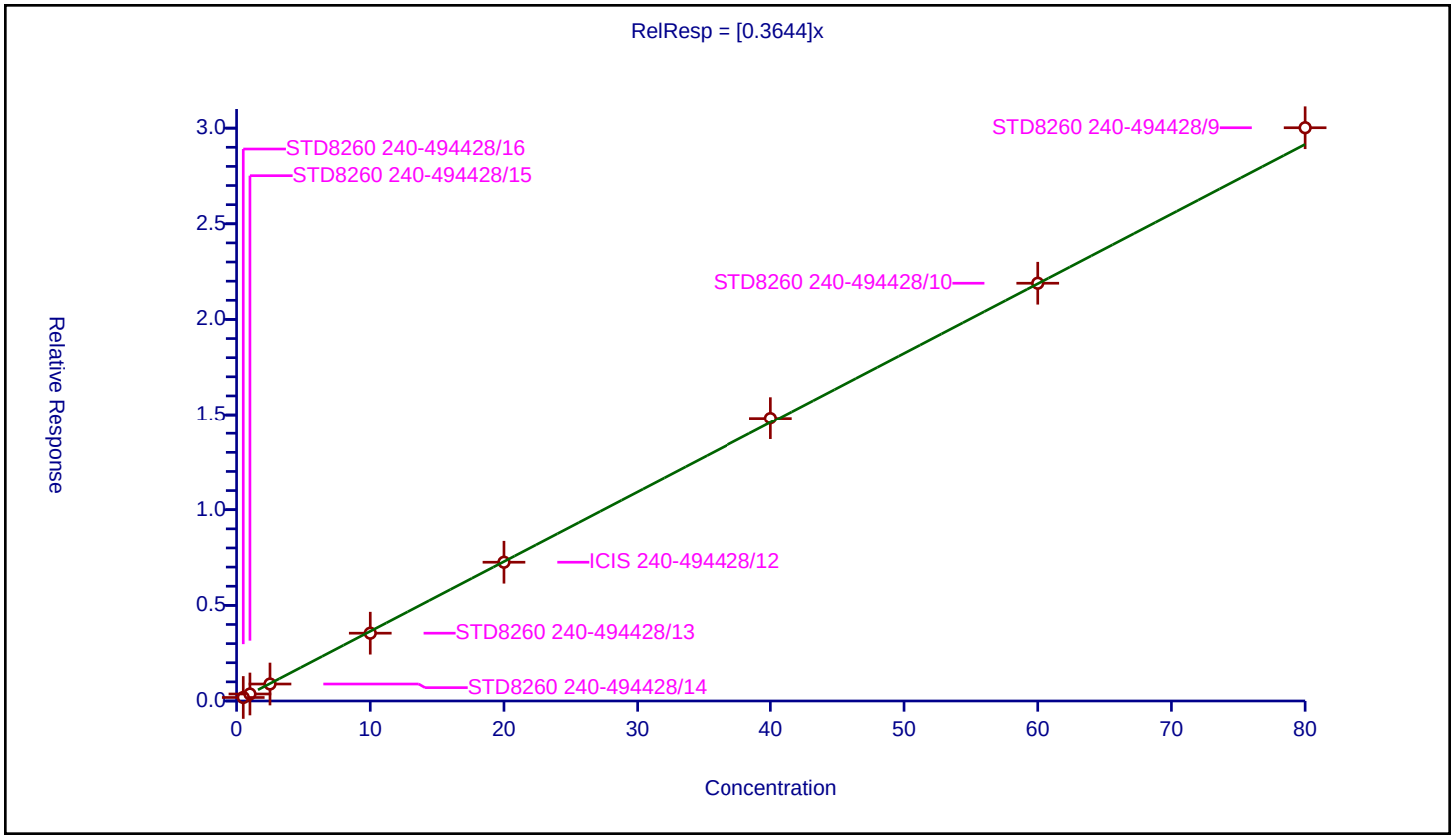
Curve Coefficients

Intercept:	0
Slope:	0.3644

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

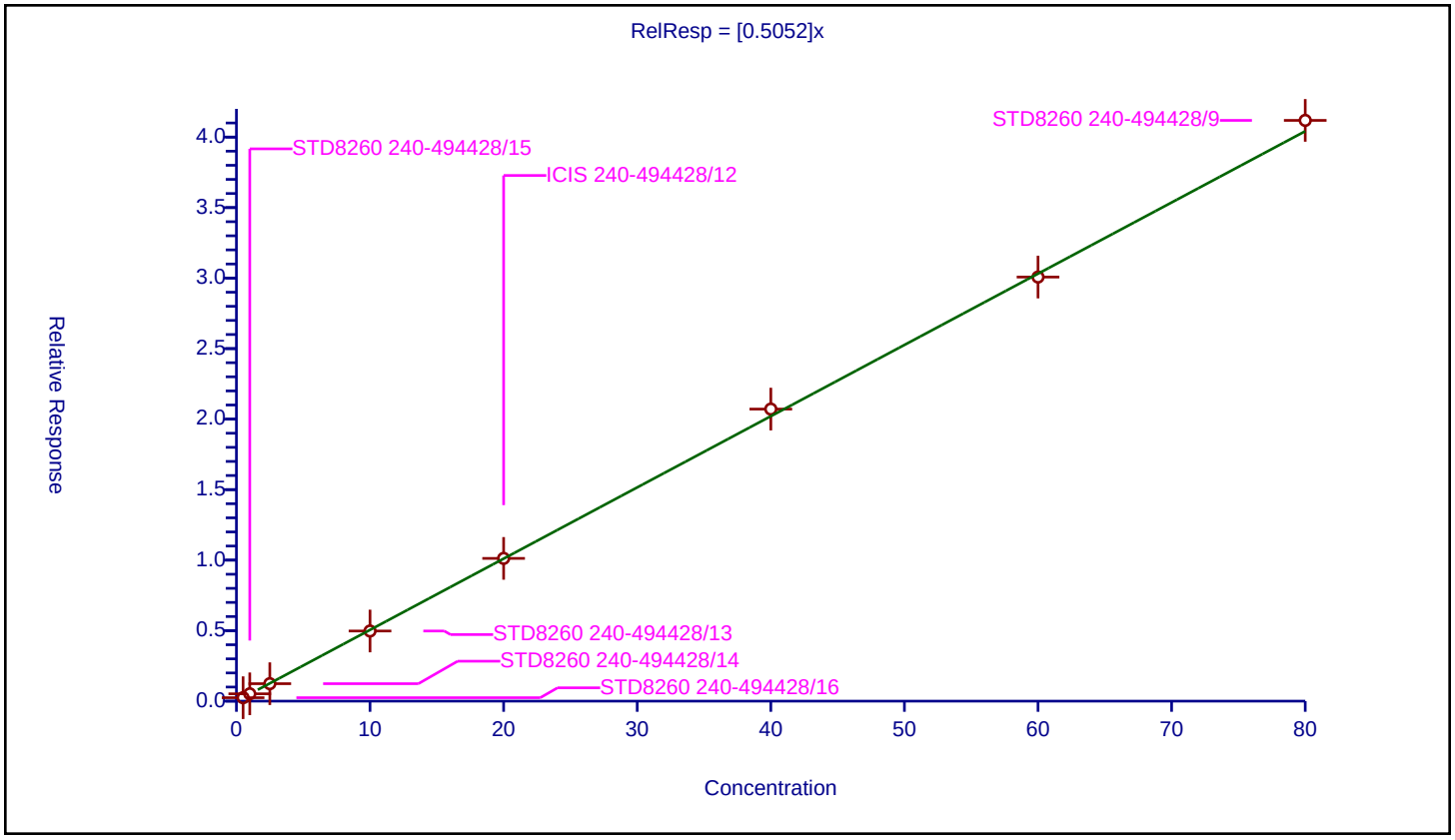
Curve Coefficients

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

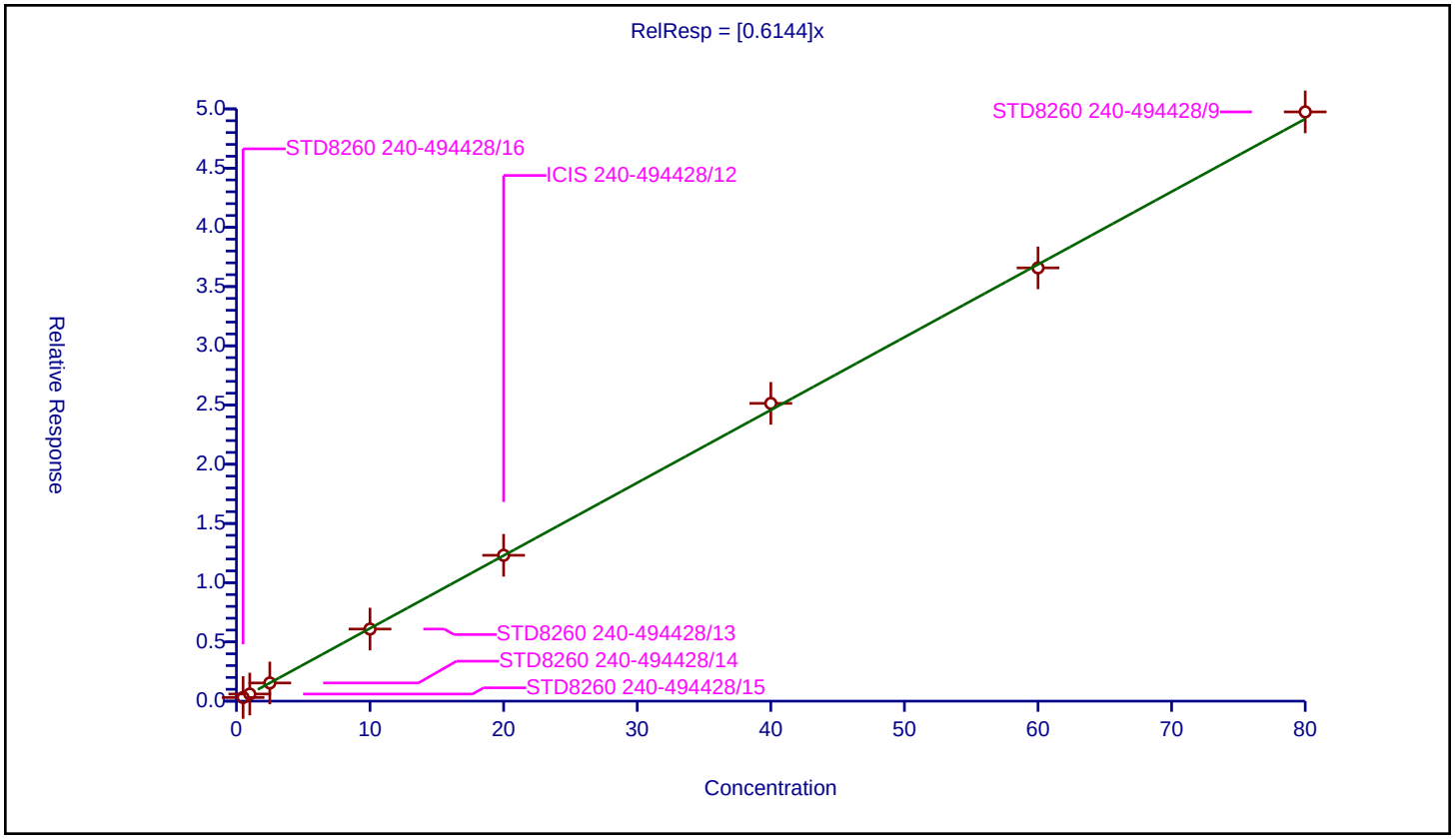
Curve Coefficients

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

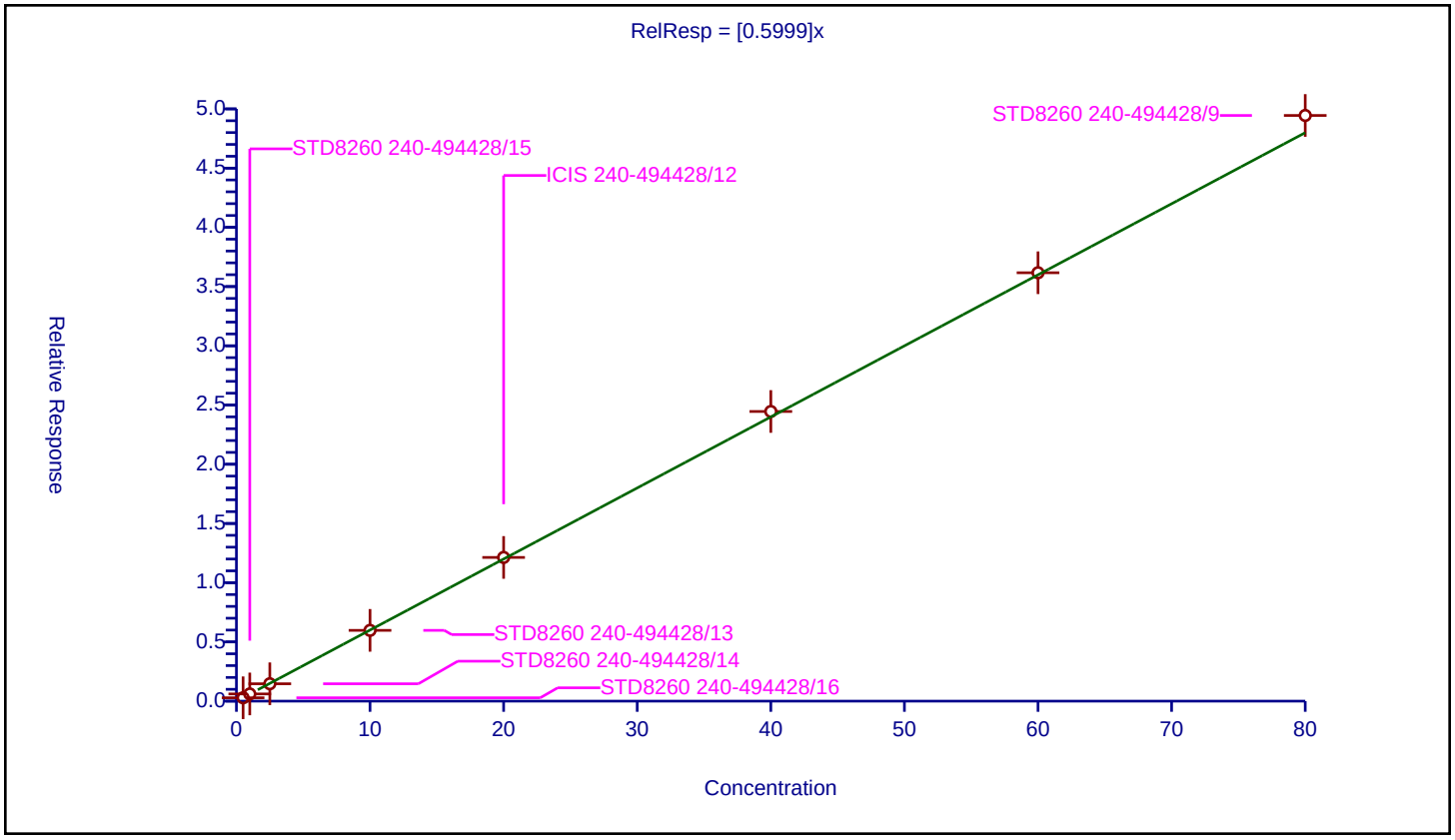
Curve Coefficients

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

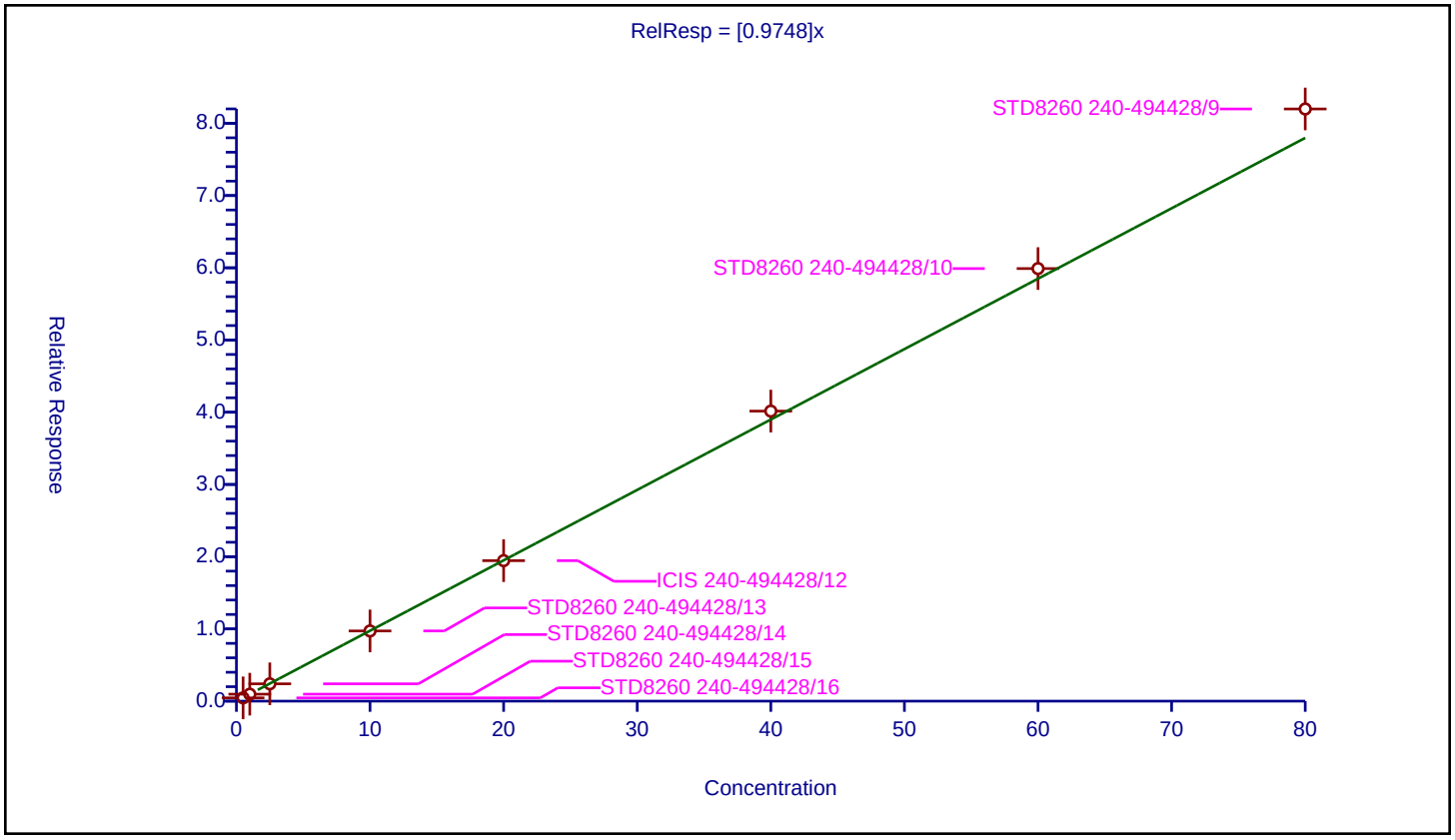
Curve Coefficients

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



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

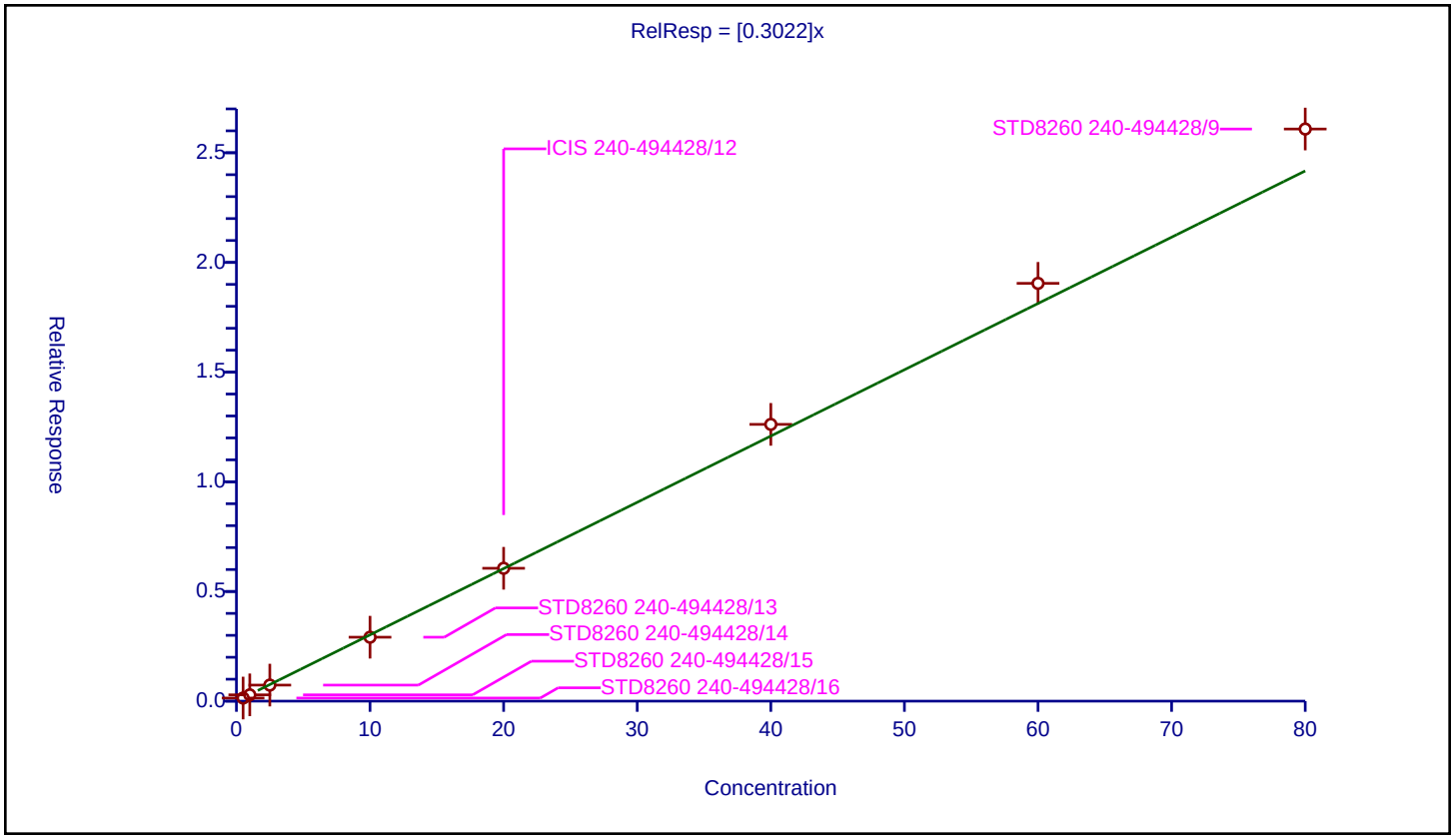
Curve Coefficients

Intercept:	0
Slope:	0.3022

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

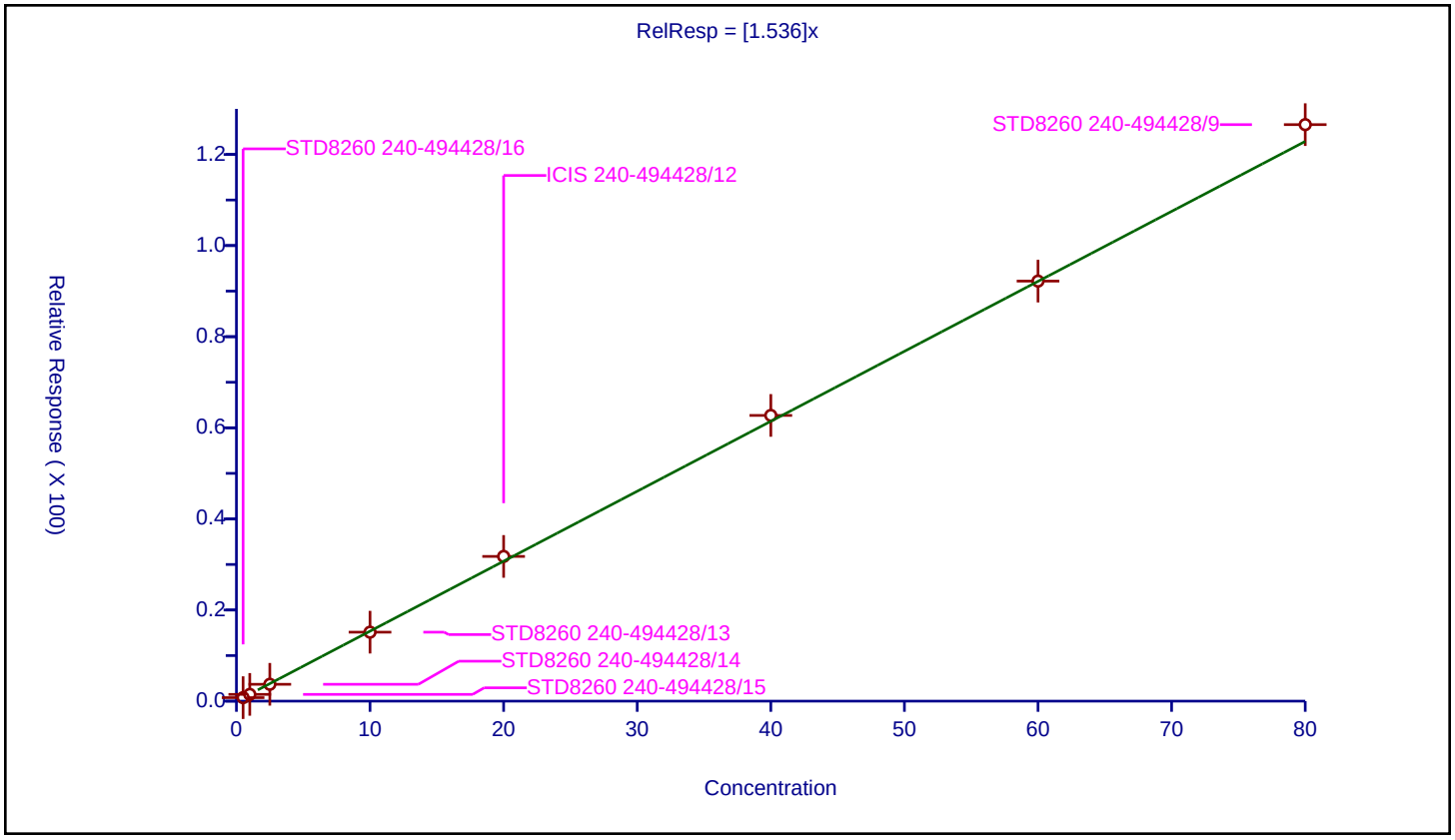
Curve Coefficients

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

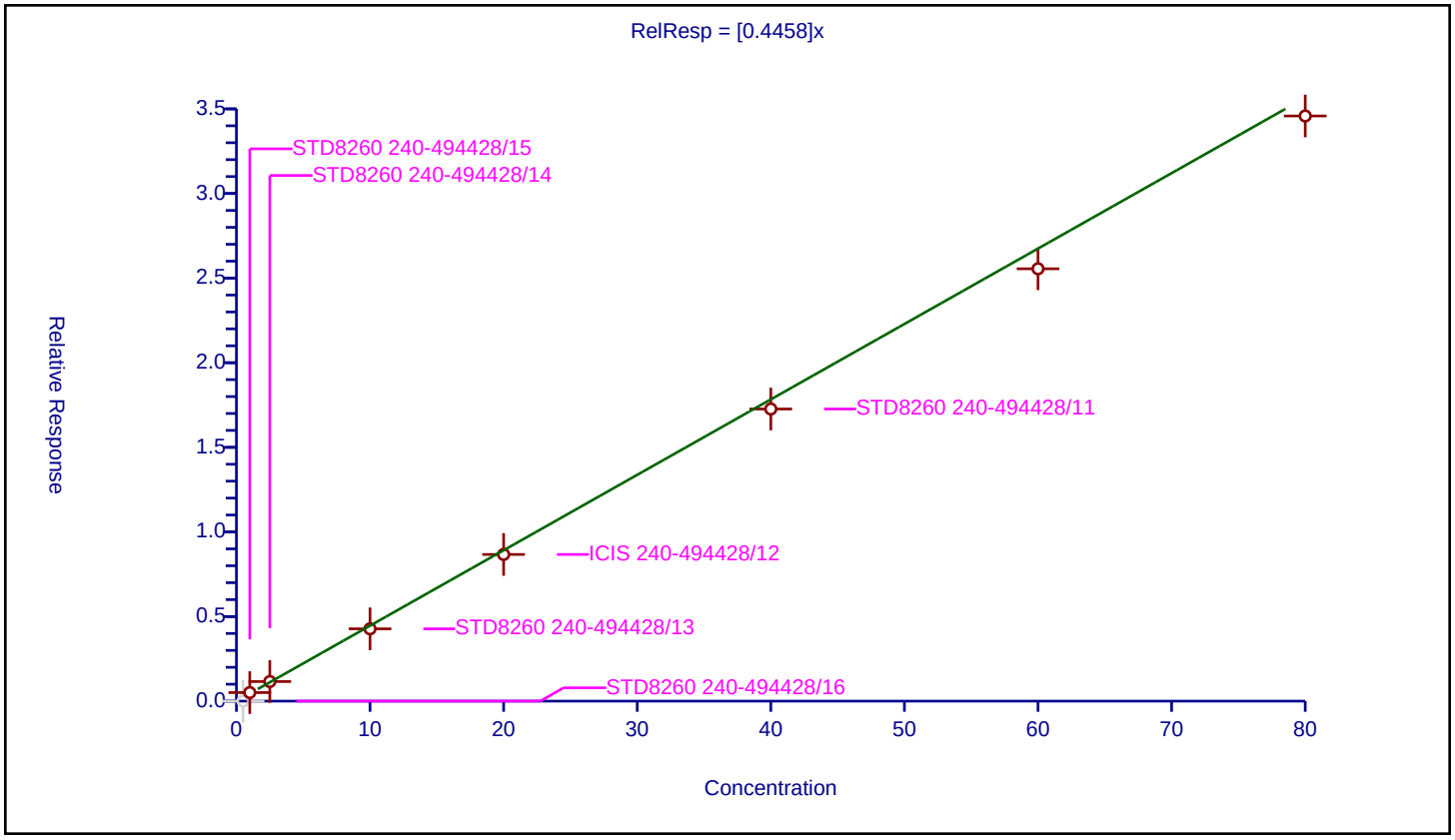
Curve Coefficients

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

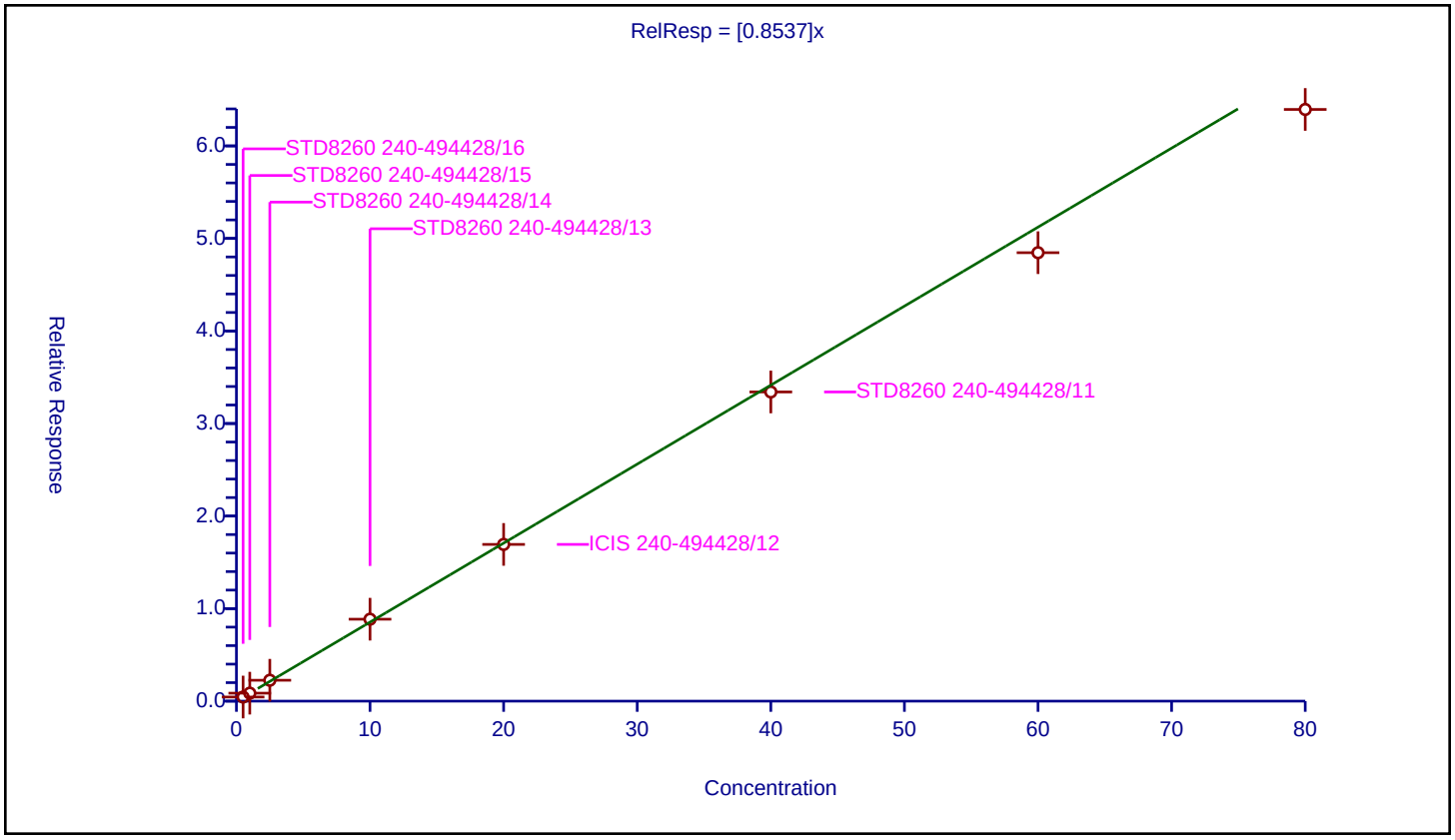
Curve Coefficients

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

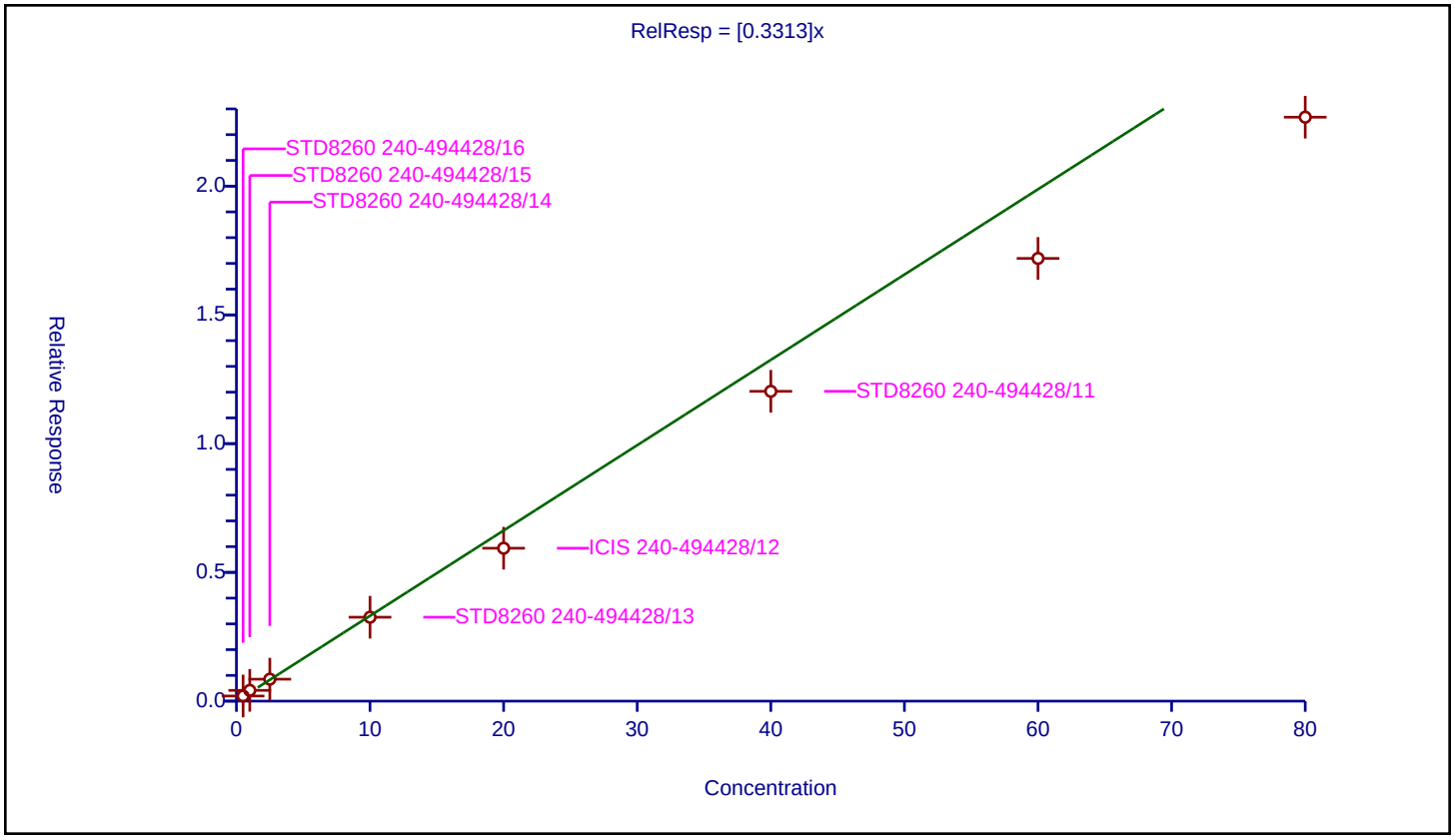
Curve Coefficients

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

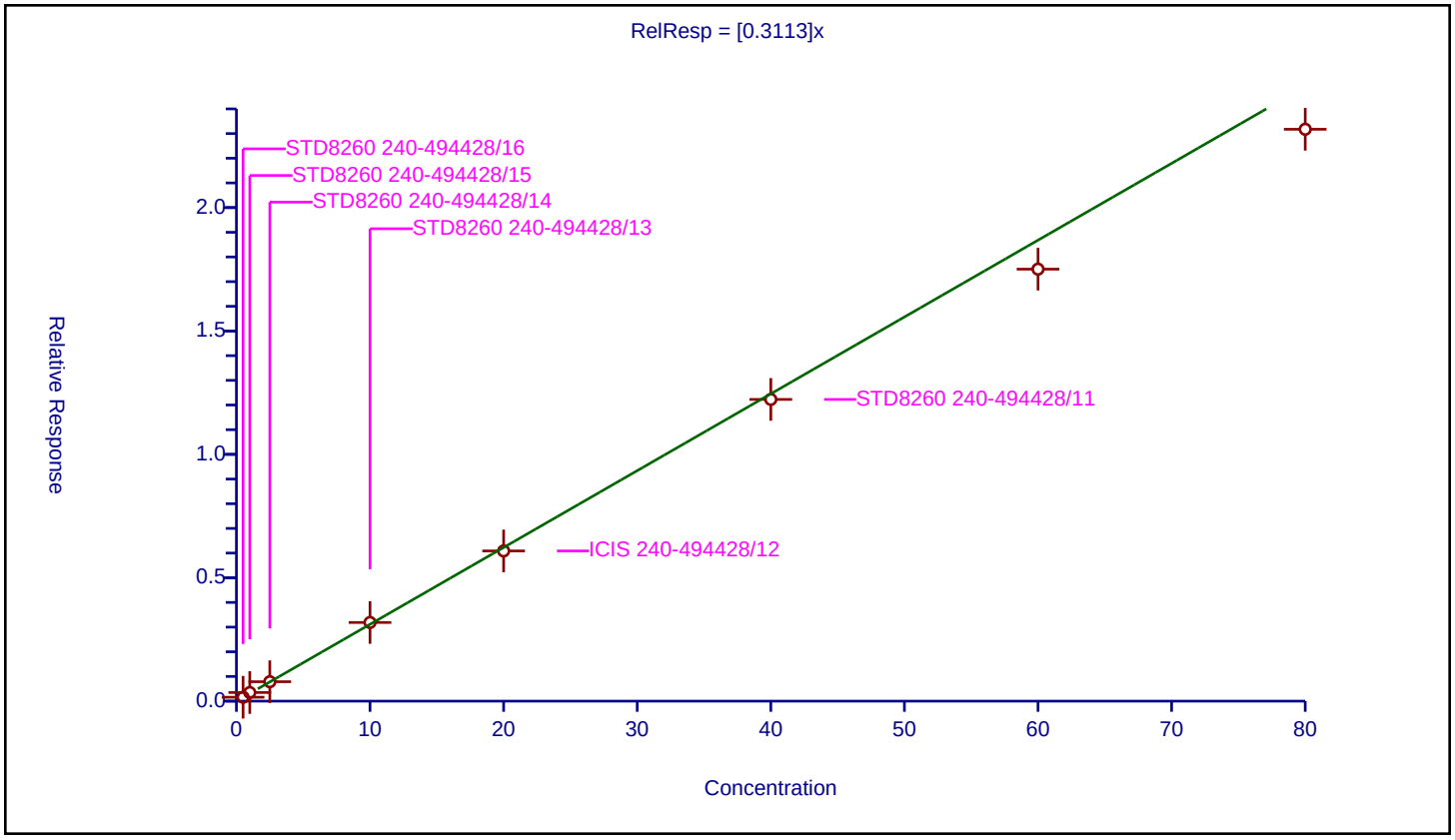
Curve Coefficients

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

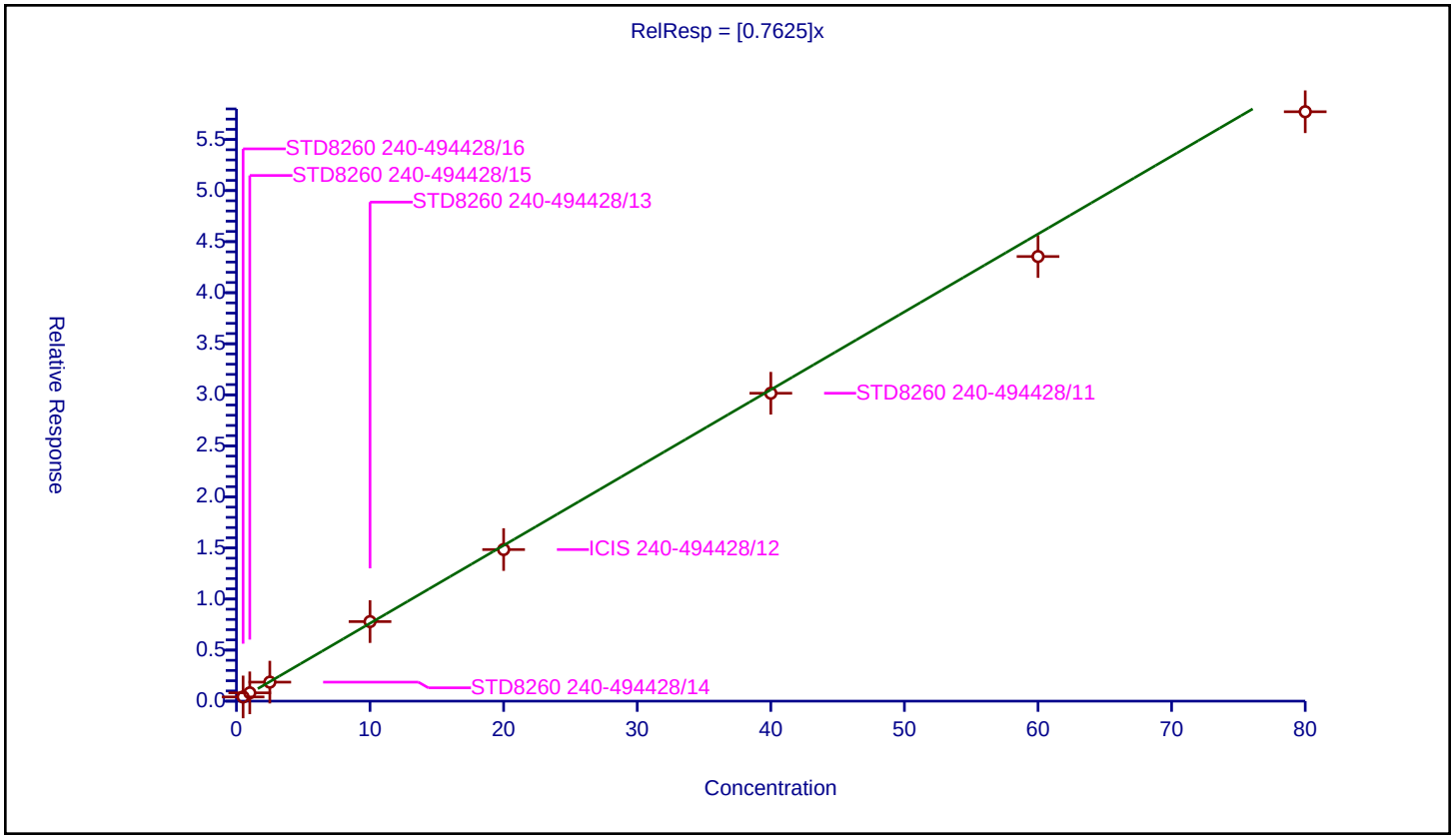
Curve Coefficients

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

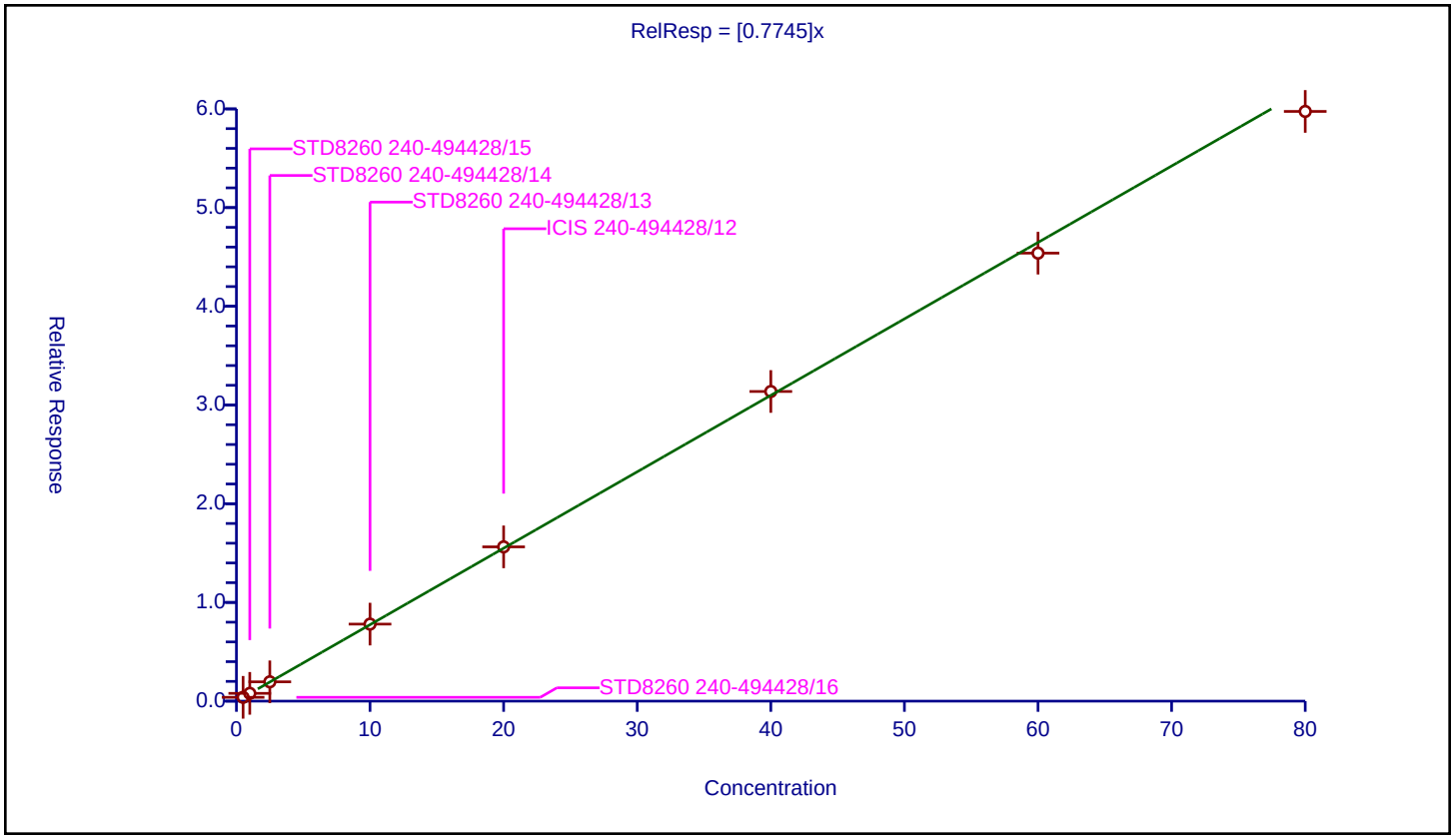
Curve Coefficients

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

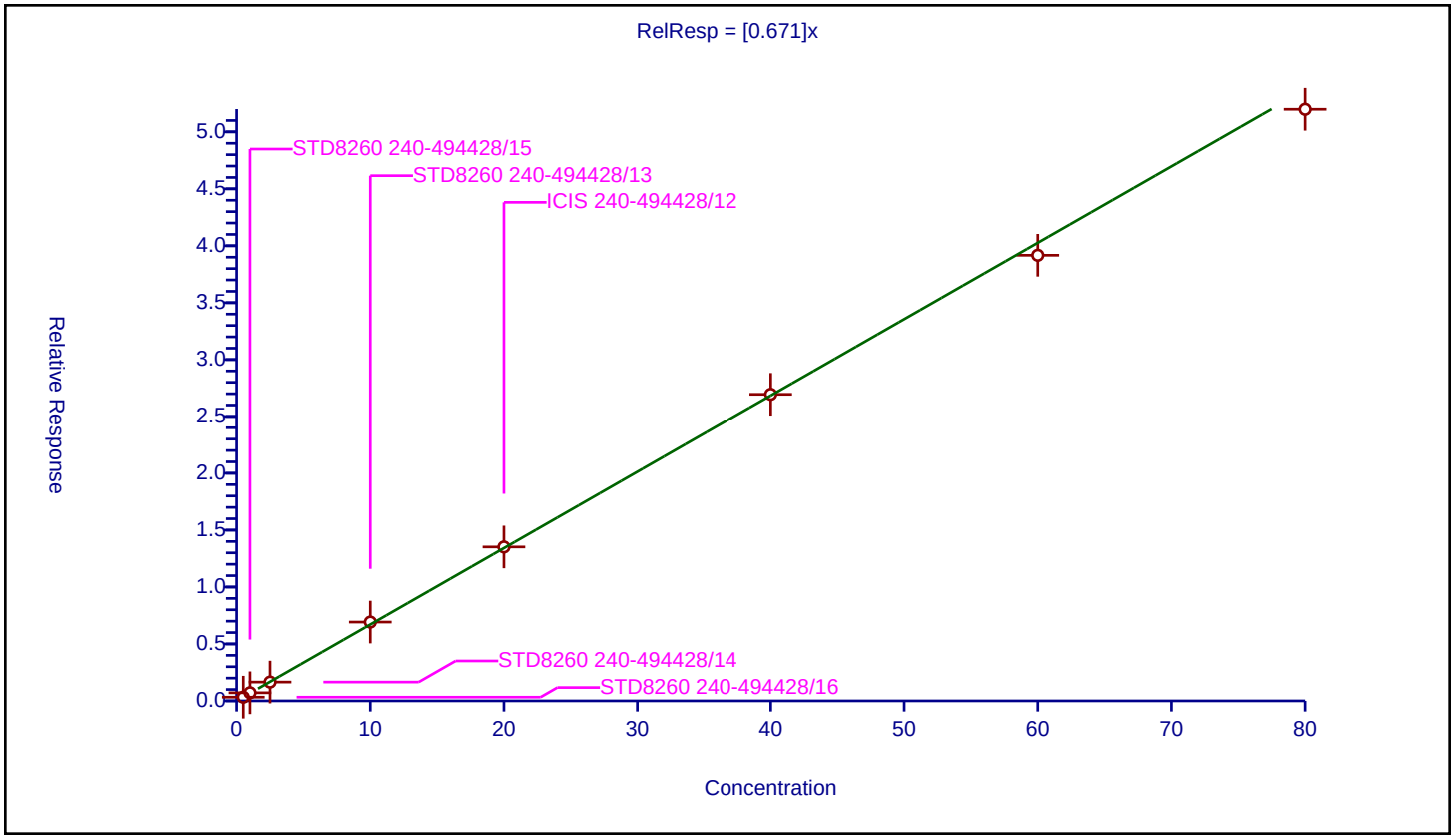
Curve Coefficients

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

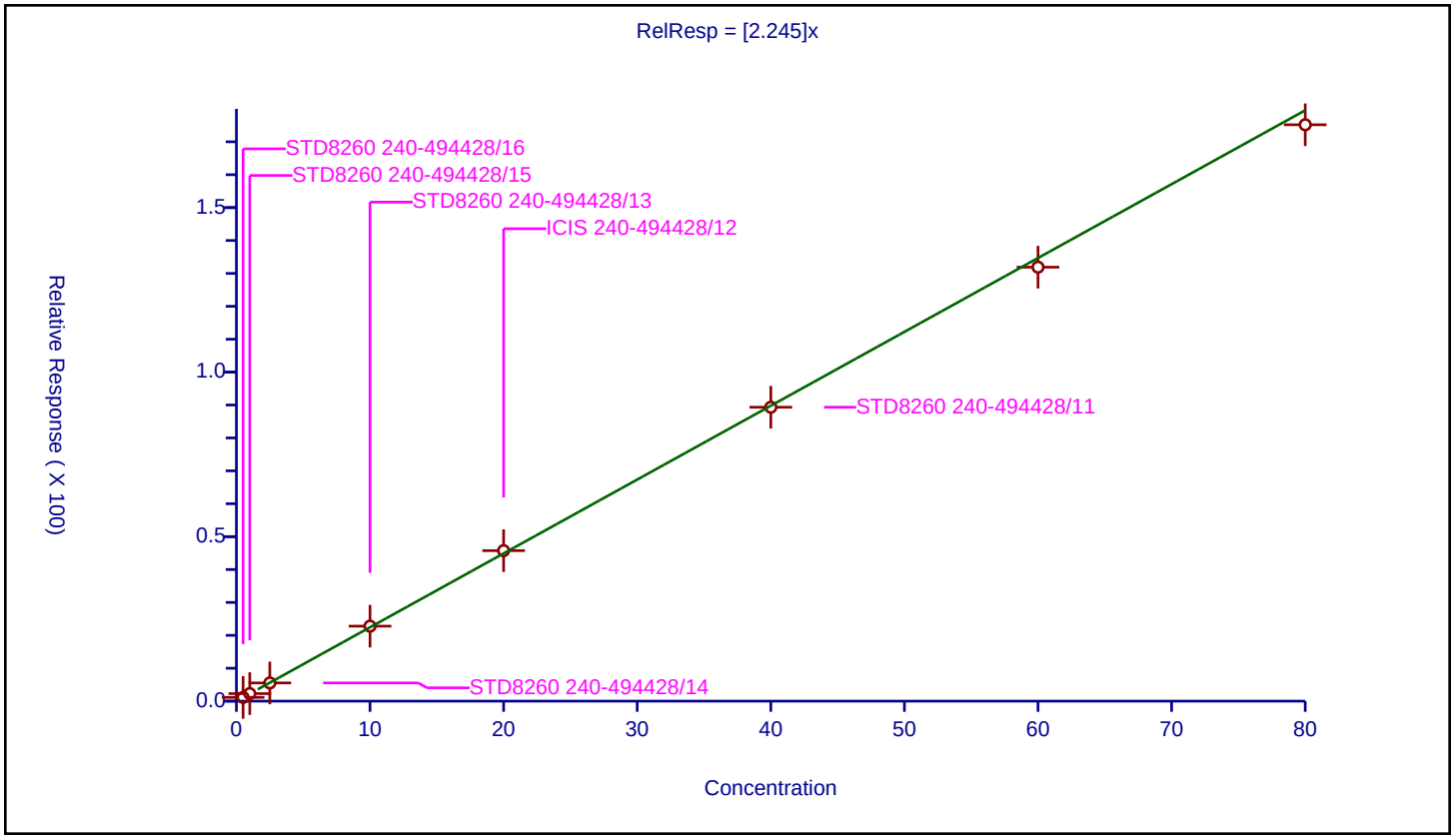
Curve Coefficients

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

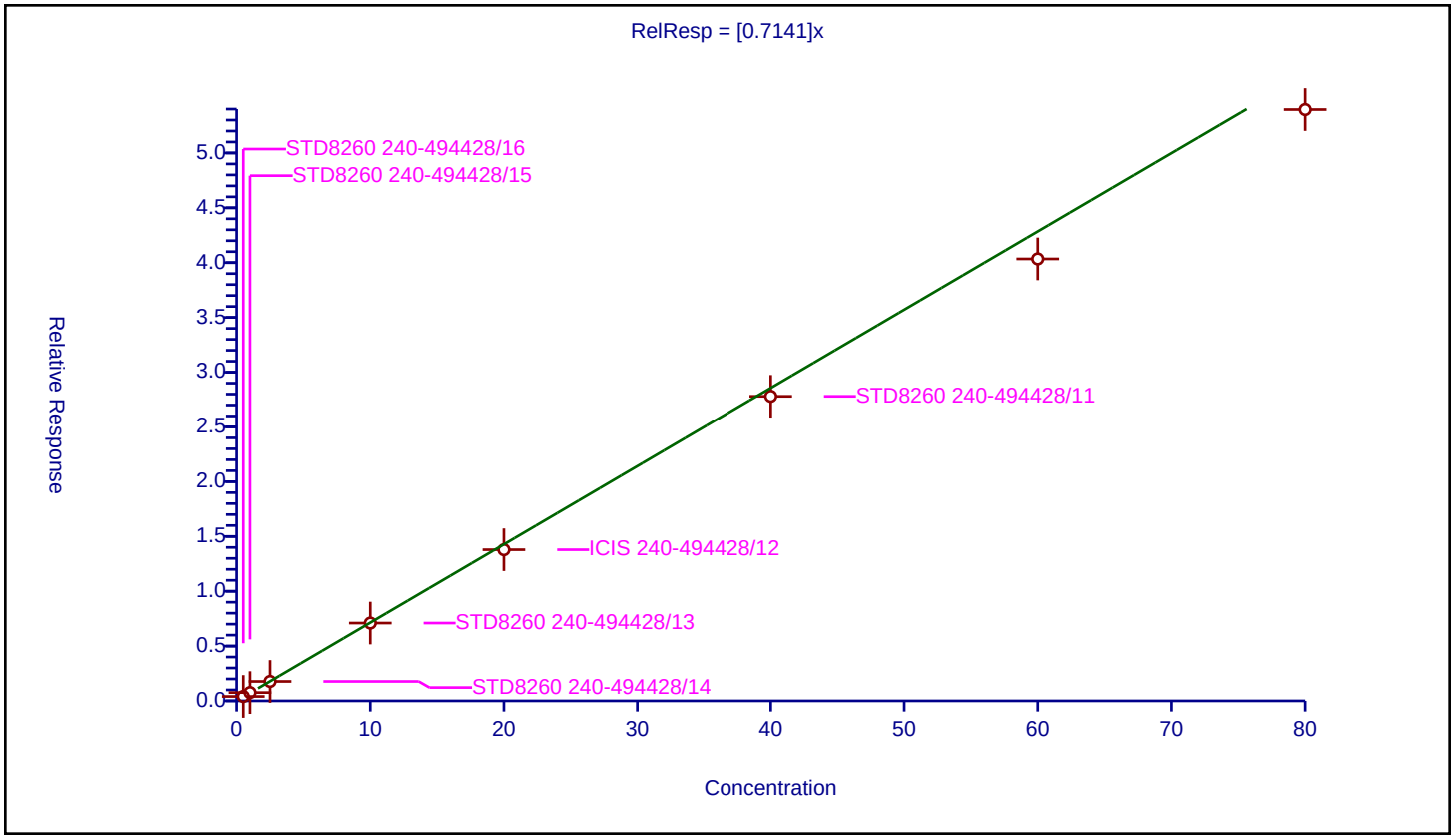
Curve Coefficients

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

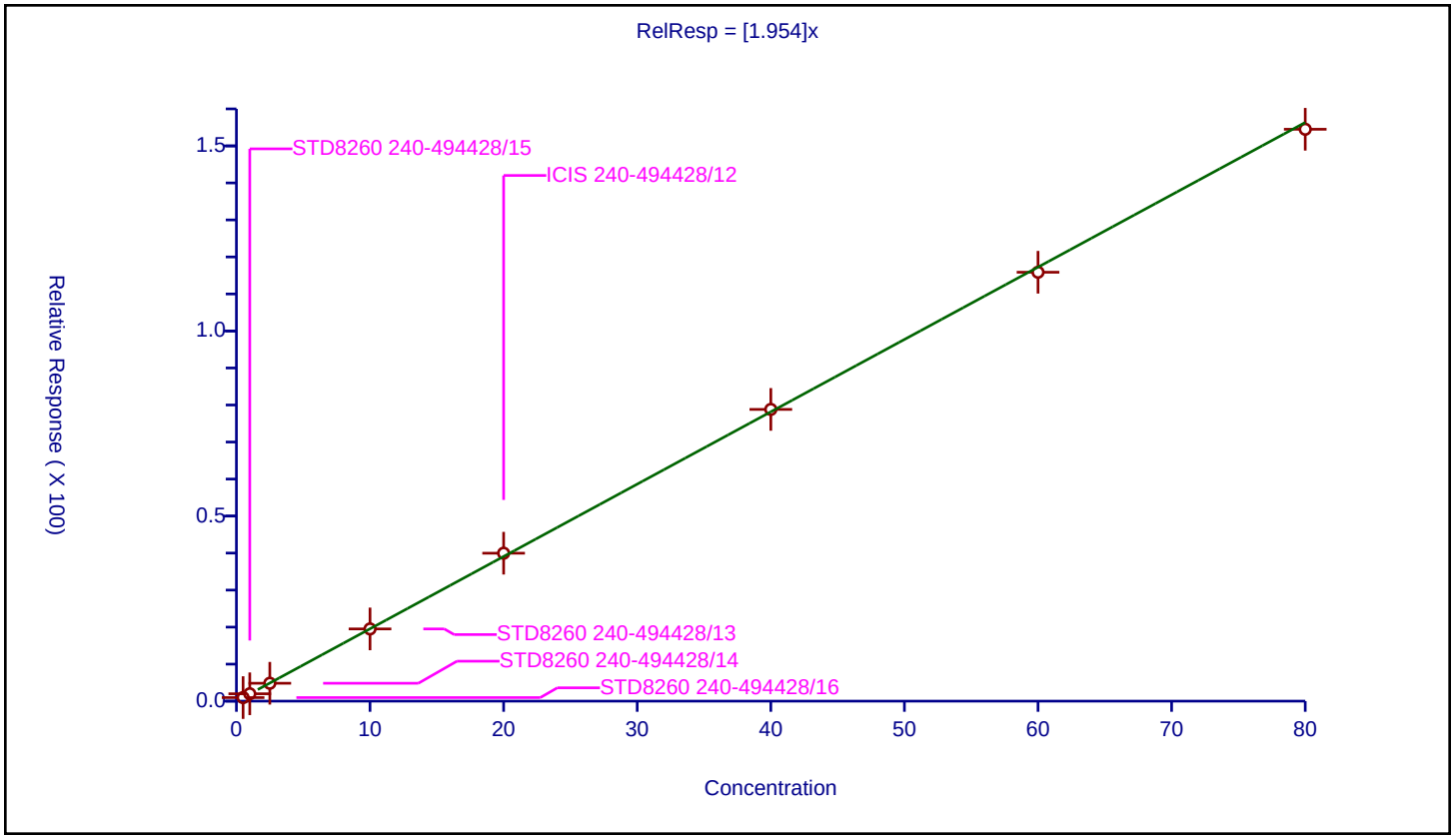
Curve Coefficients

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

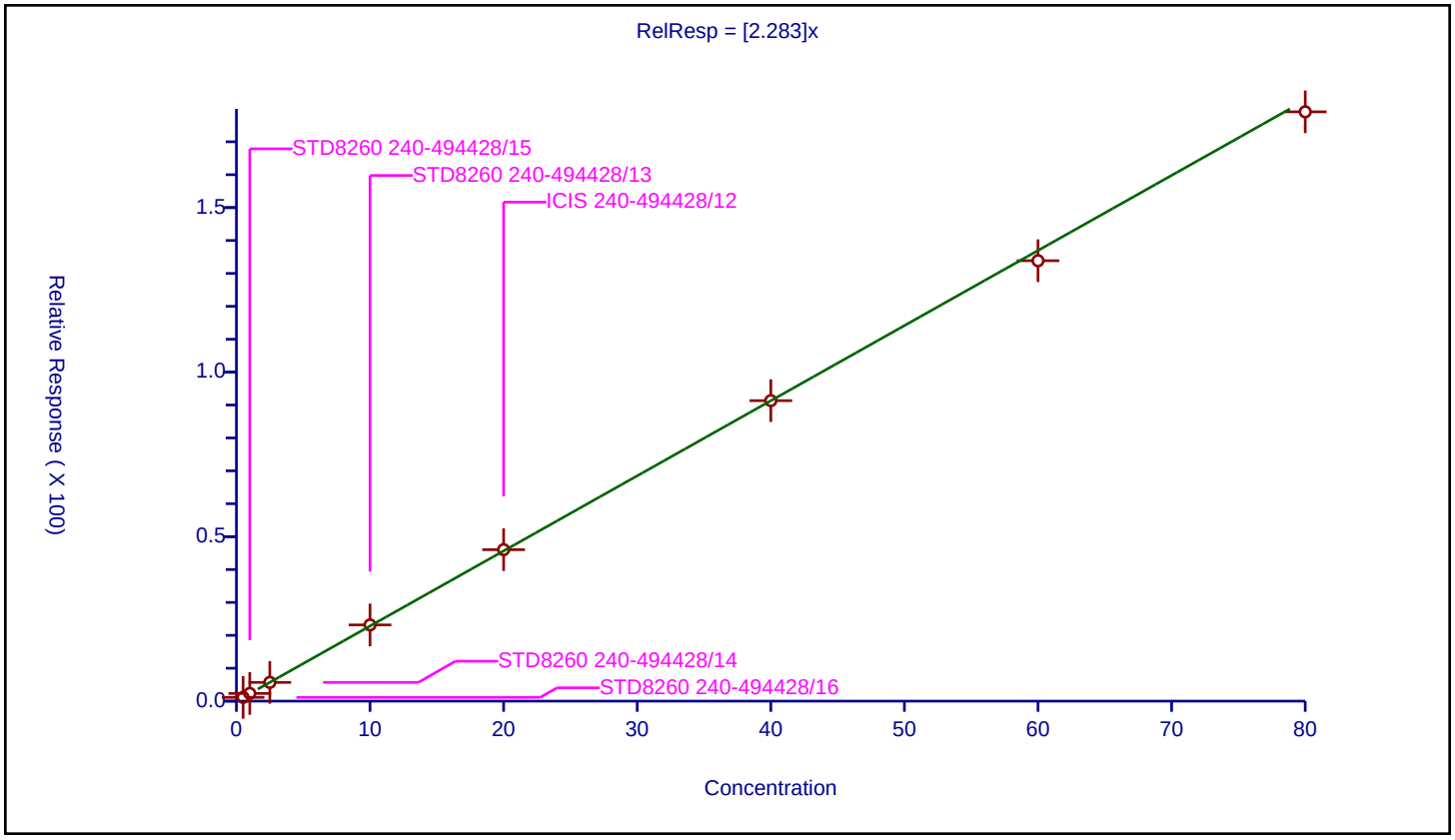
Curve Coefficients

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

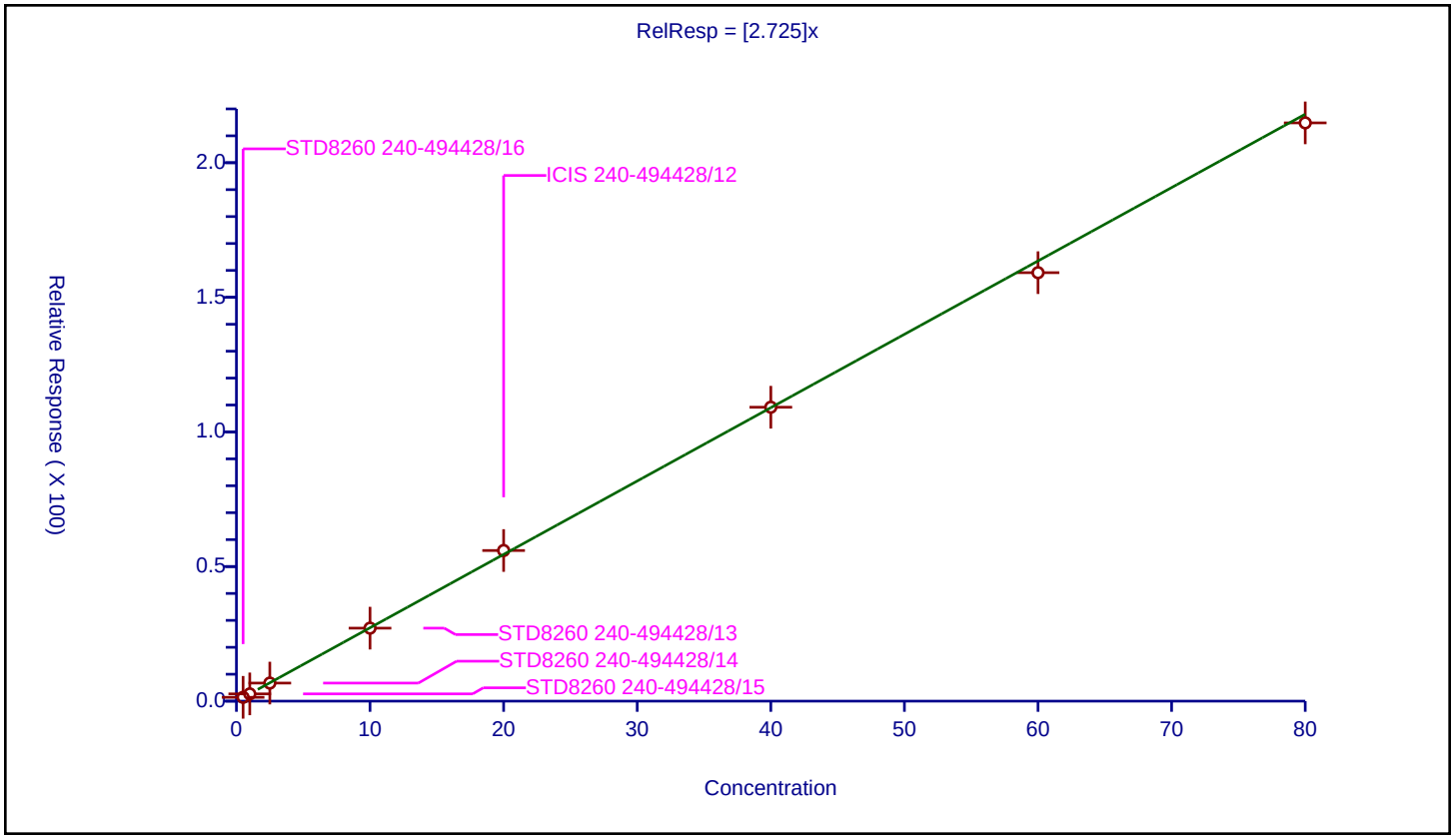
Curve Coefficients

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

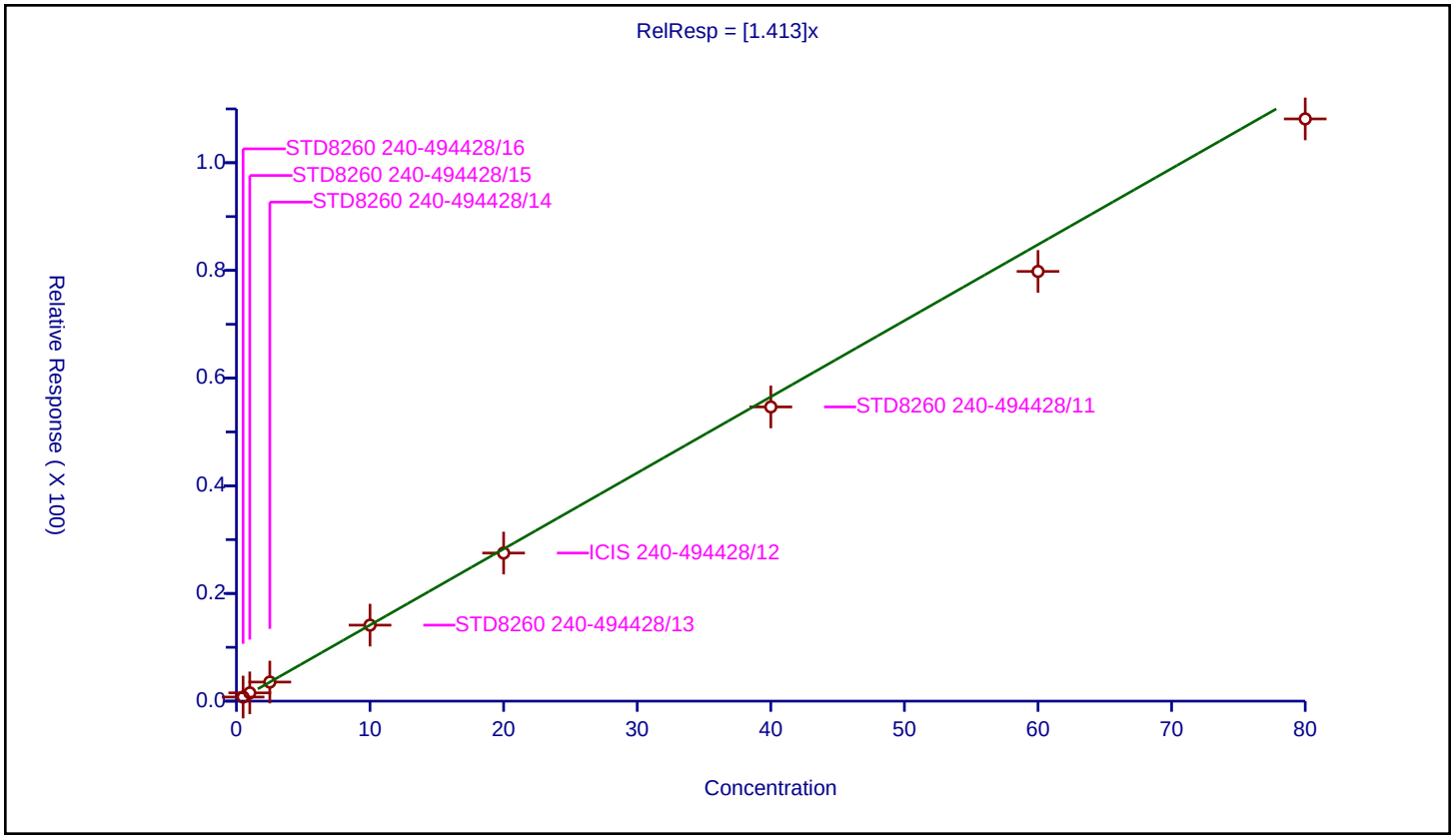
Curve Coefficients

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

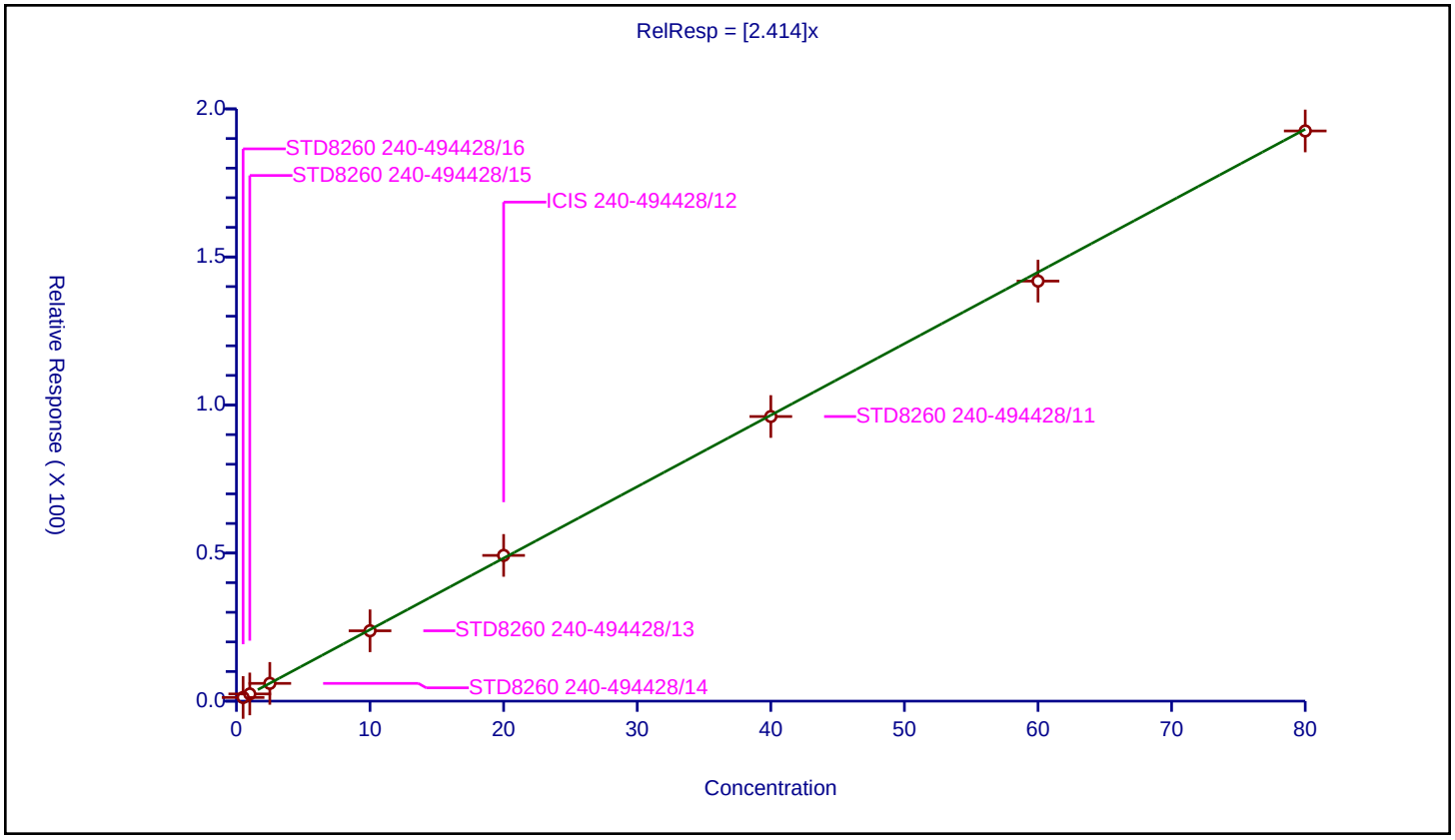
Curve Coefficients

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

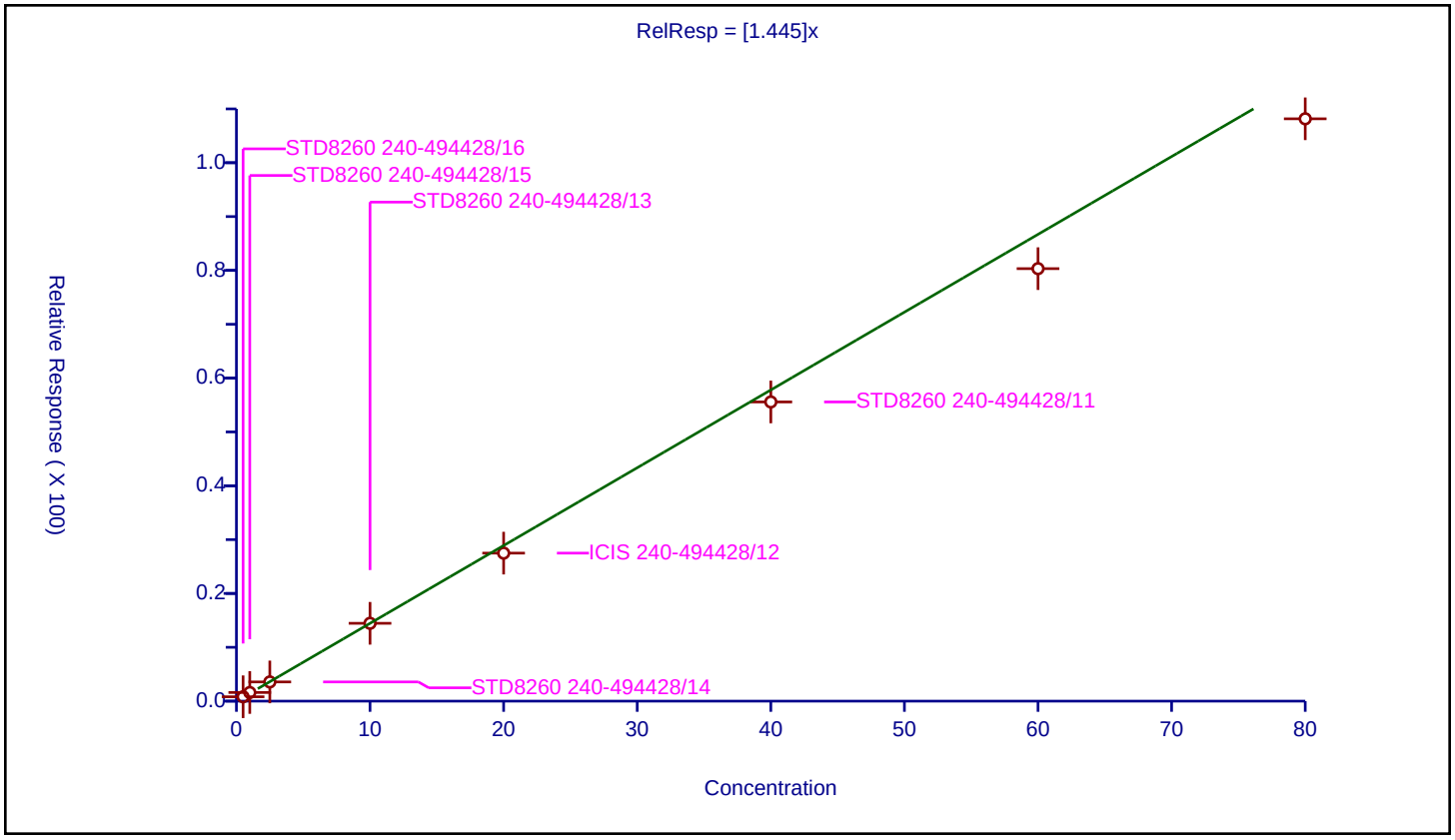
Curve Coefficients

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

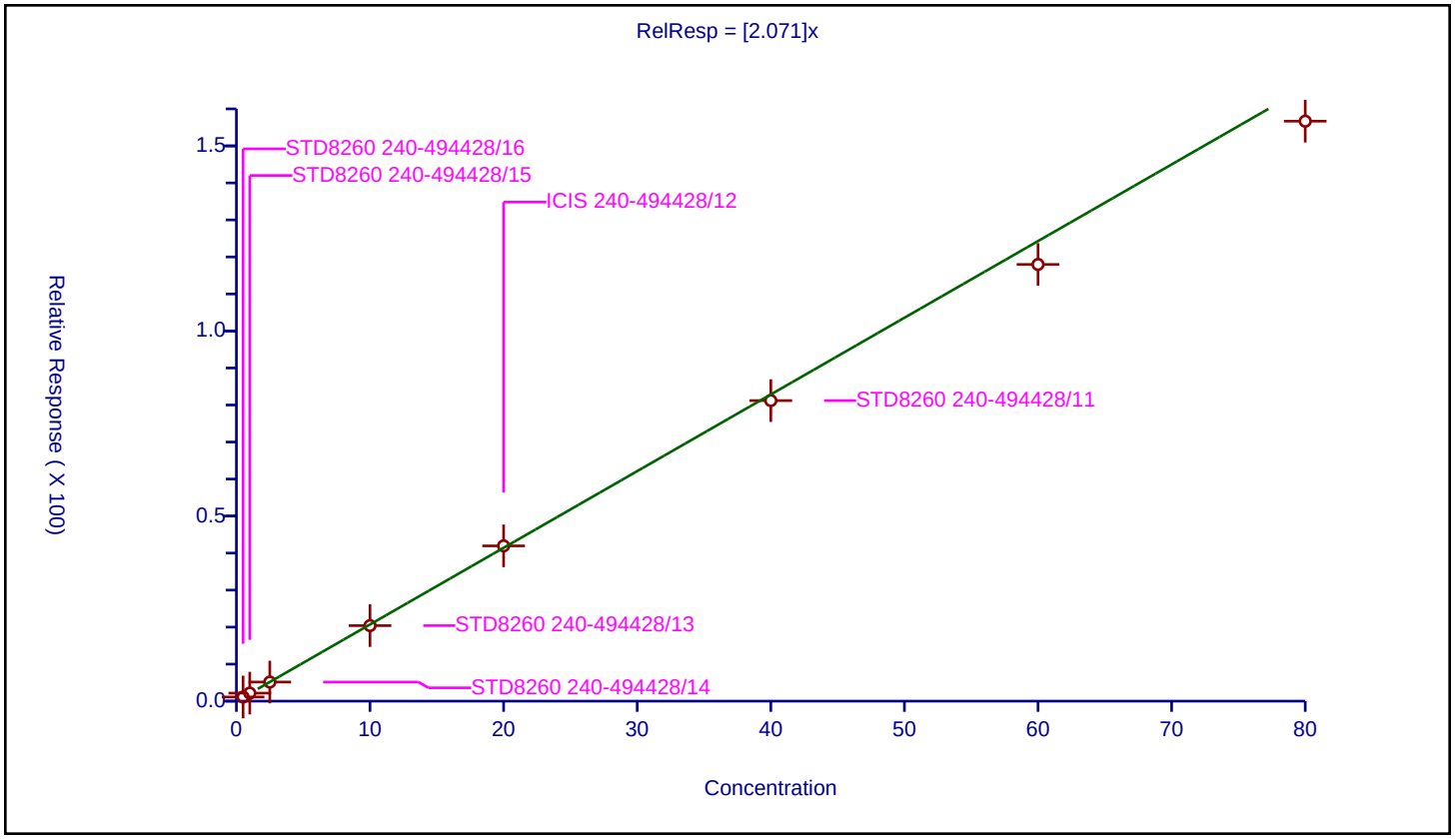
Curve Coefficients

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

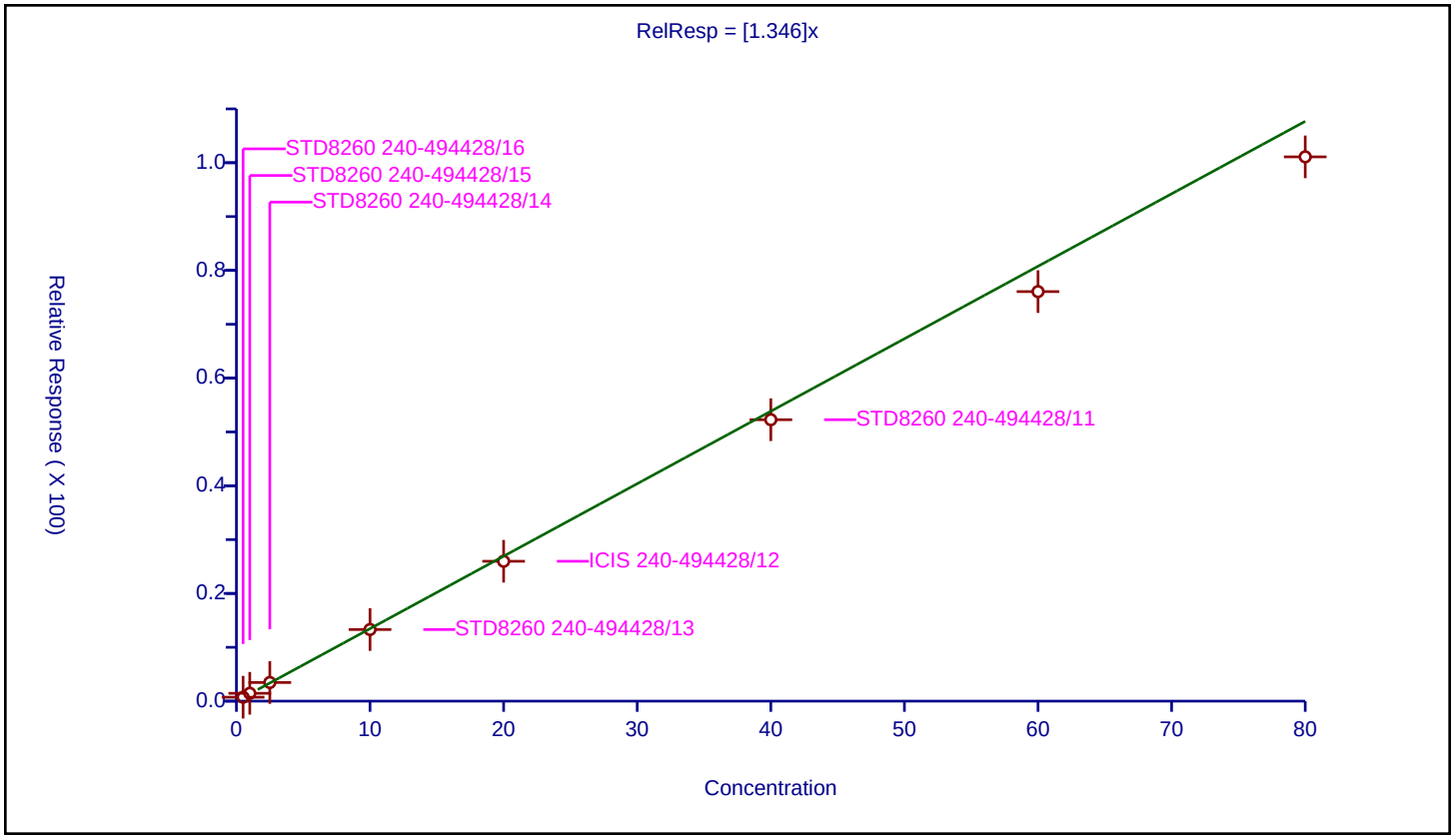
Curve Coefficients

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

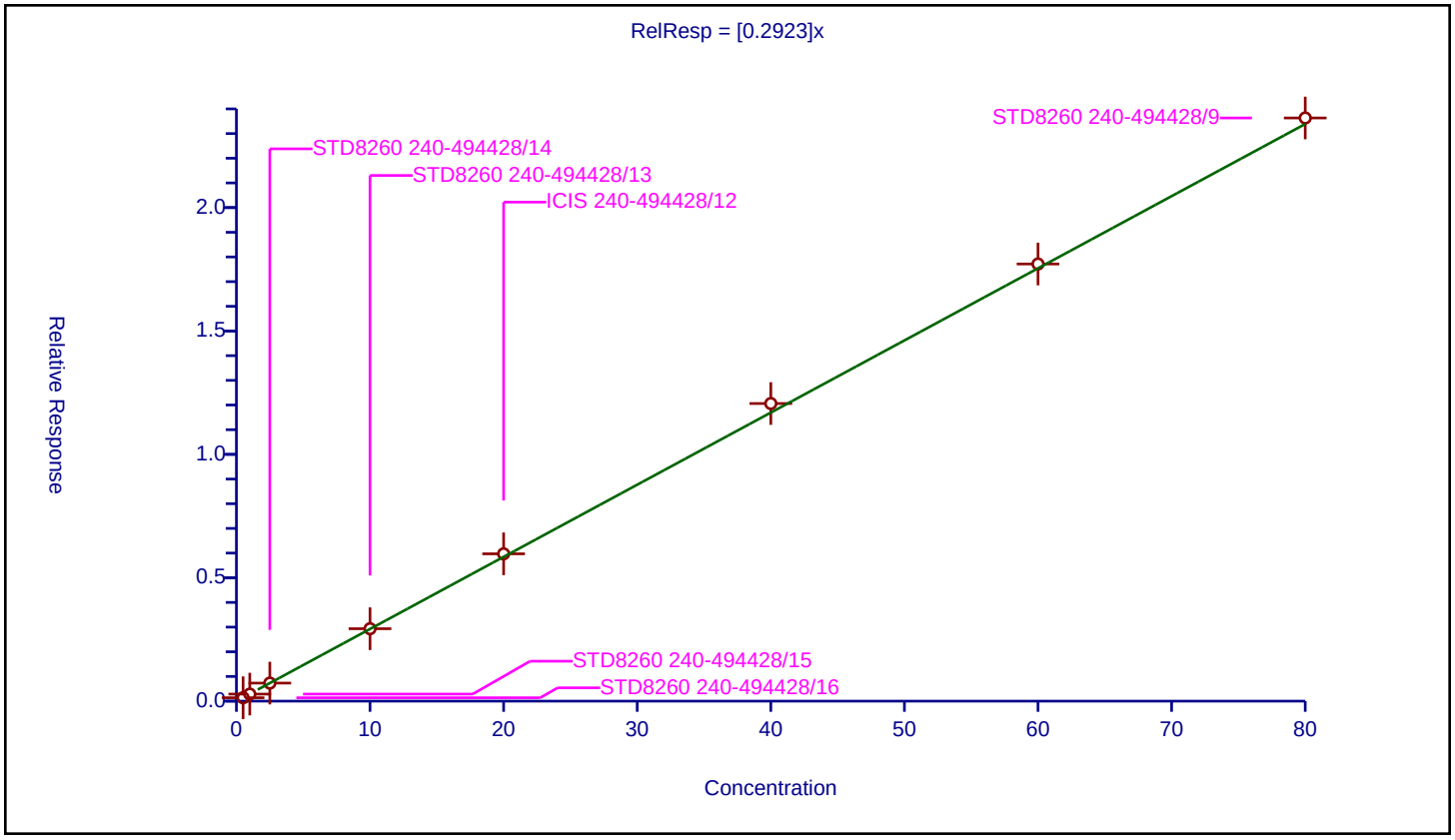
Curve Coefficients

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

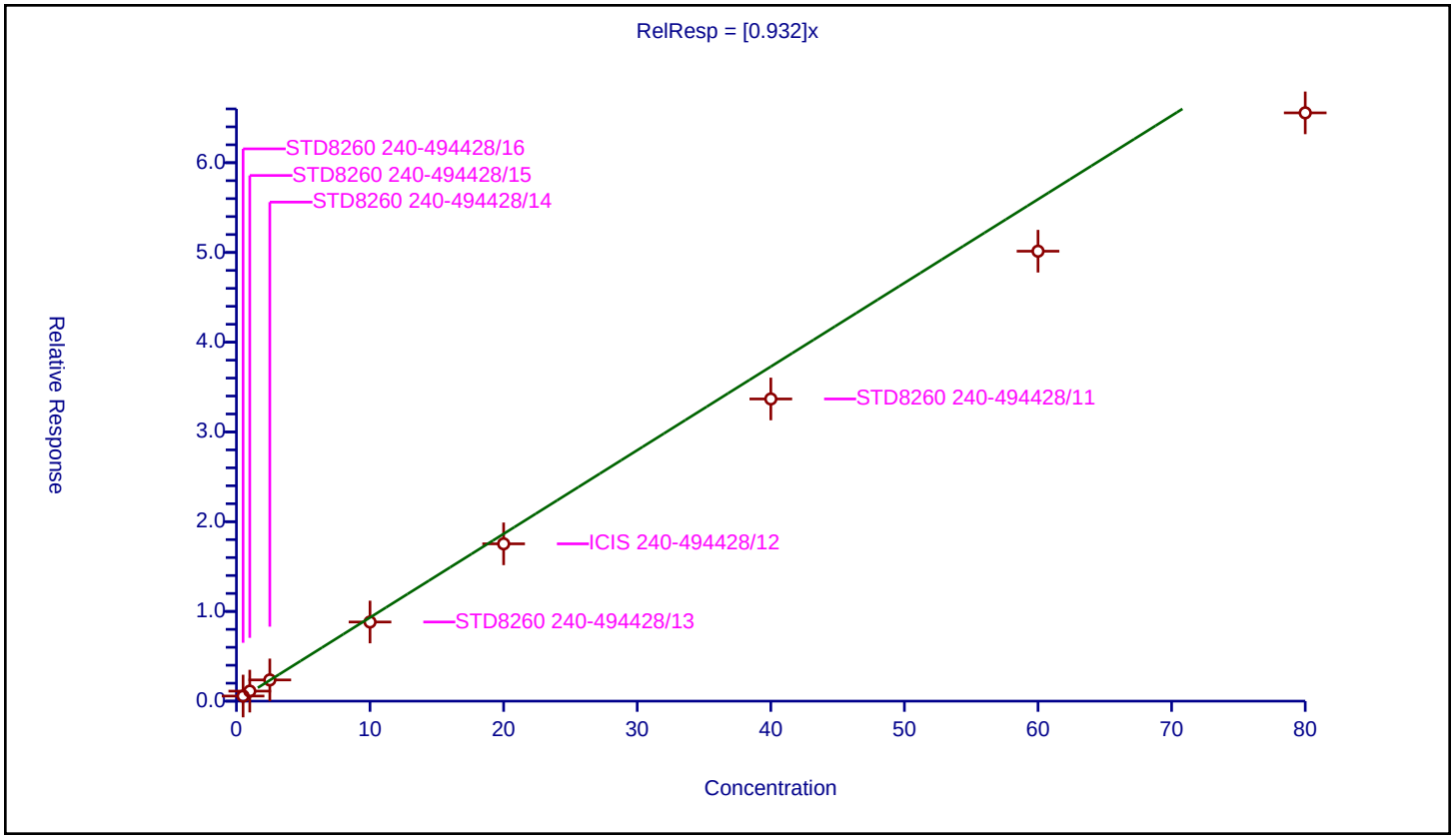
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

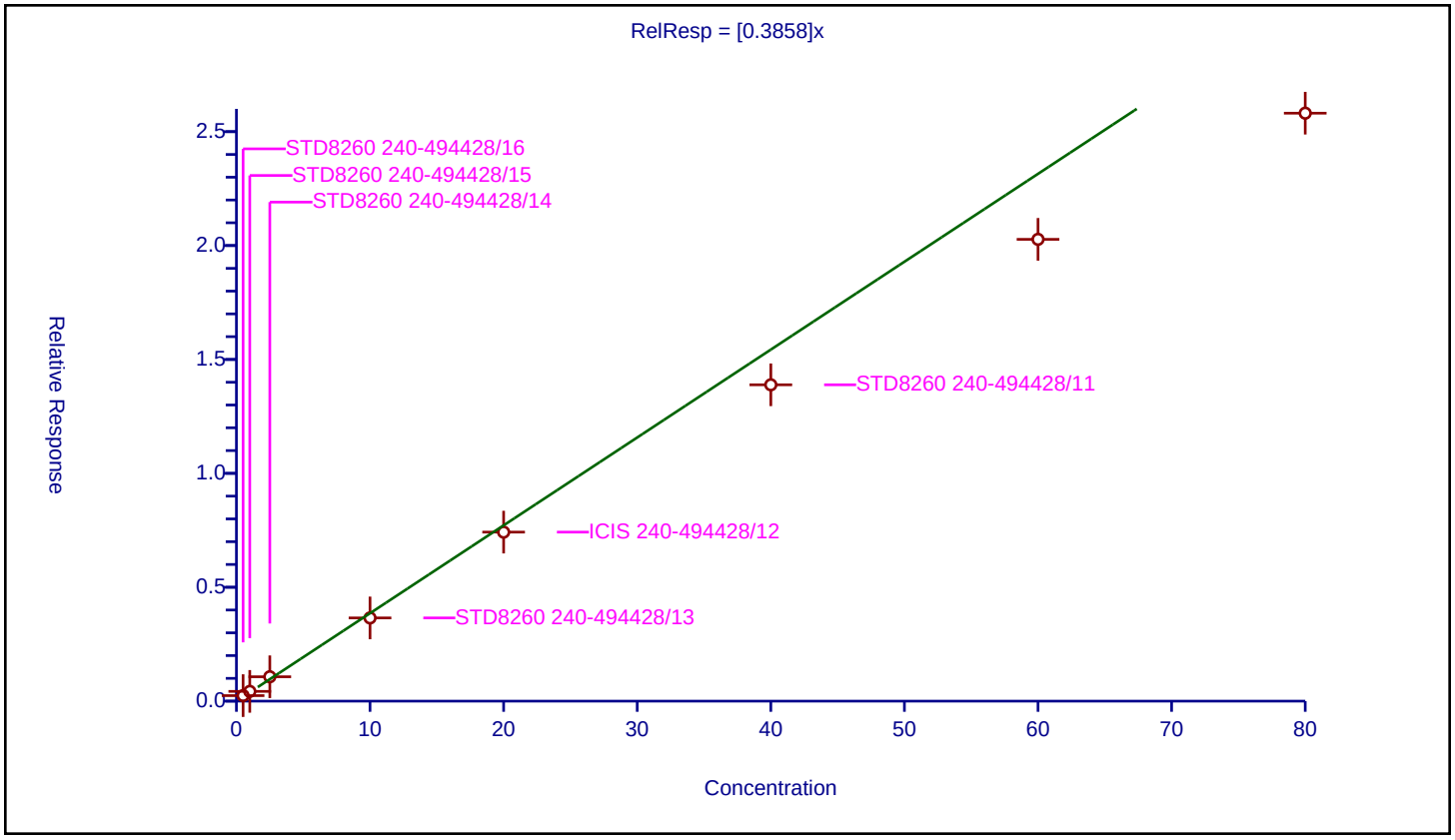
Curve Coefficients

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

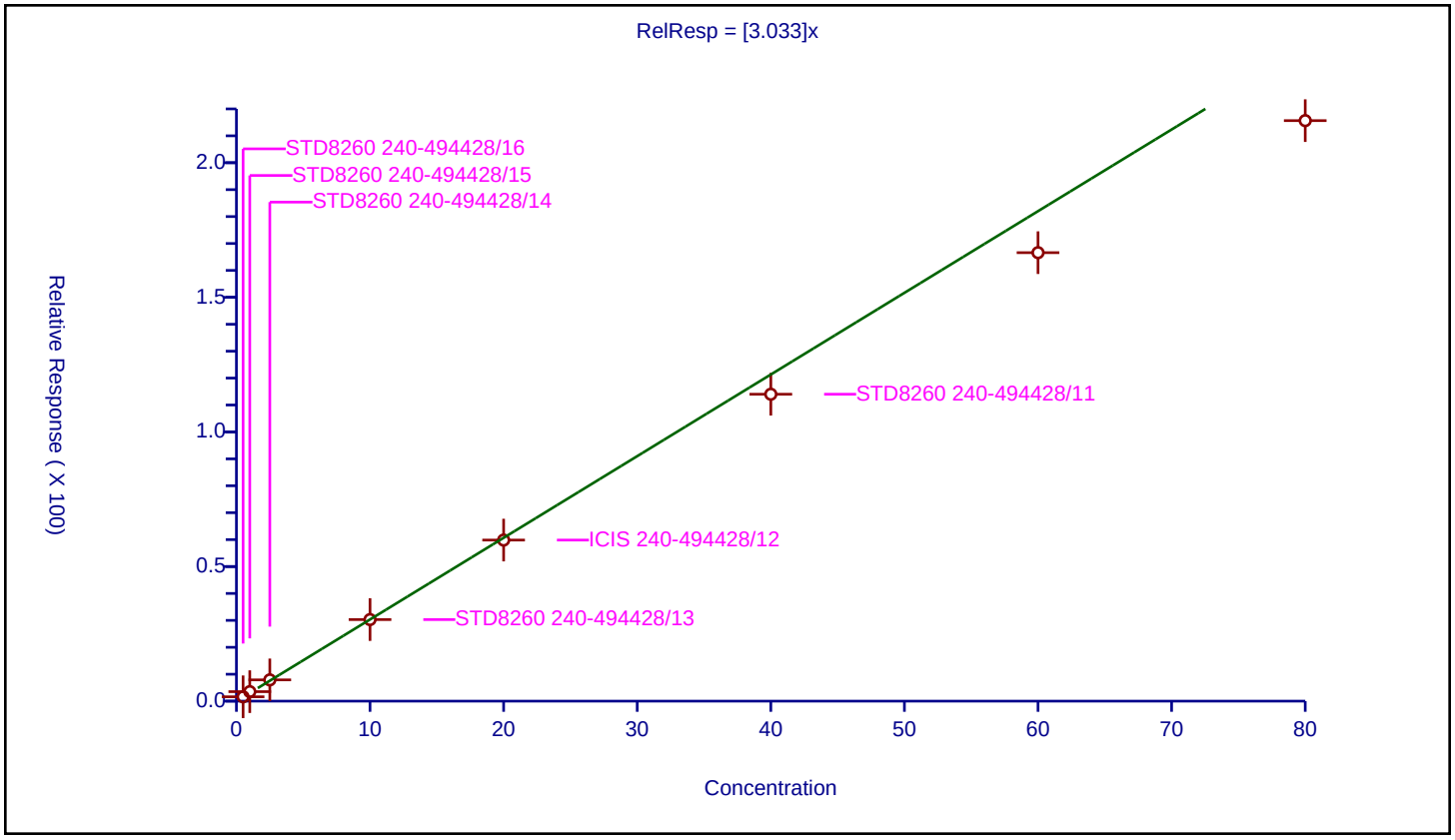
Curve Coefficients

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

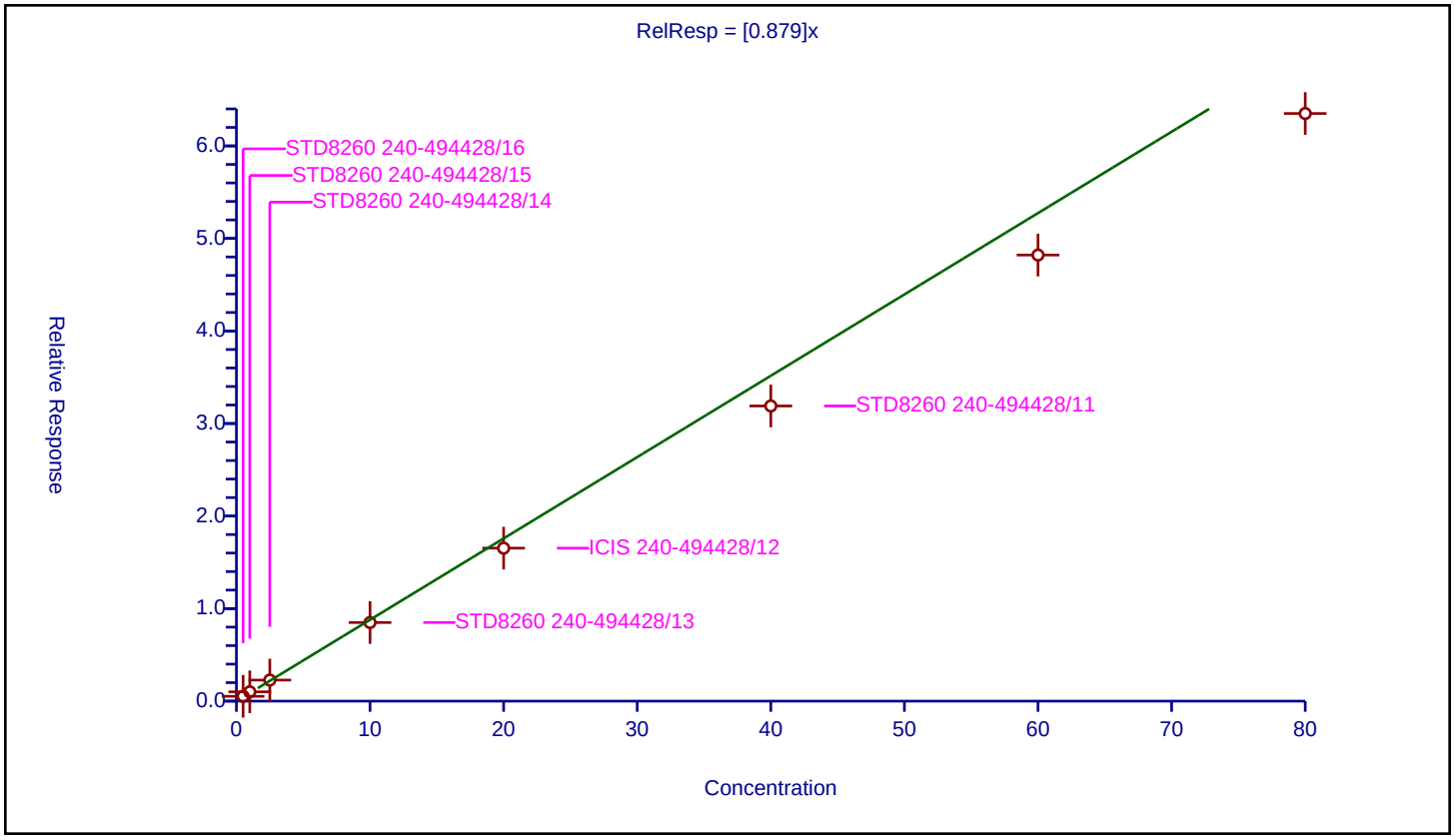
Curve Coefficients

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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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.: 240-156133-1 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

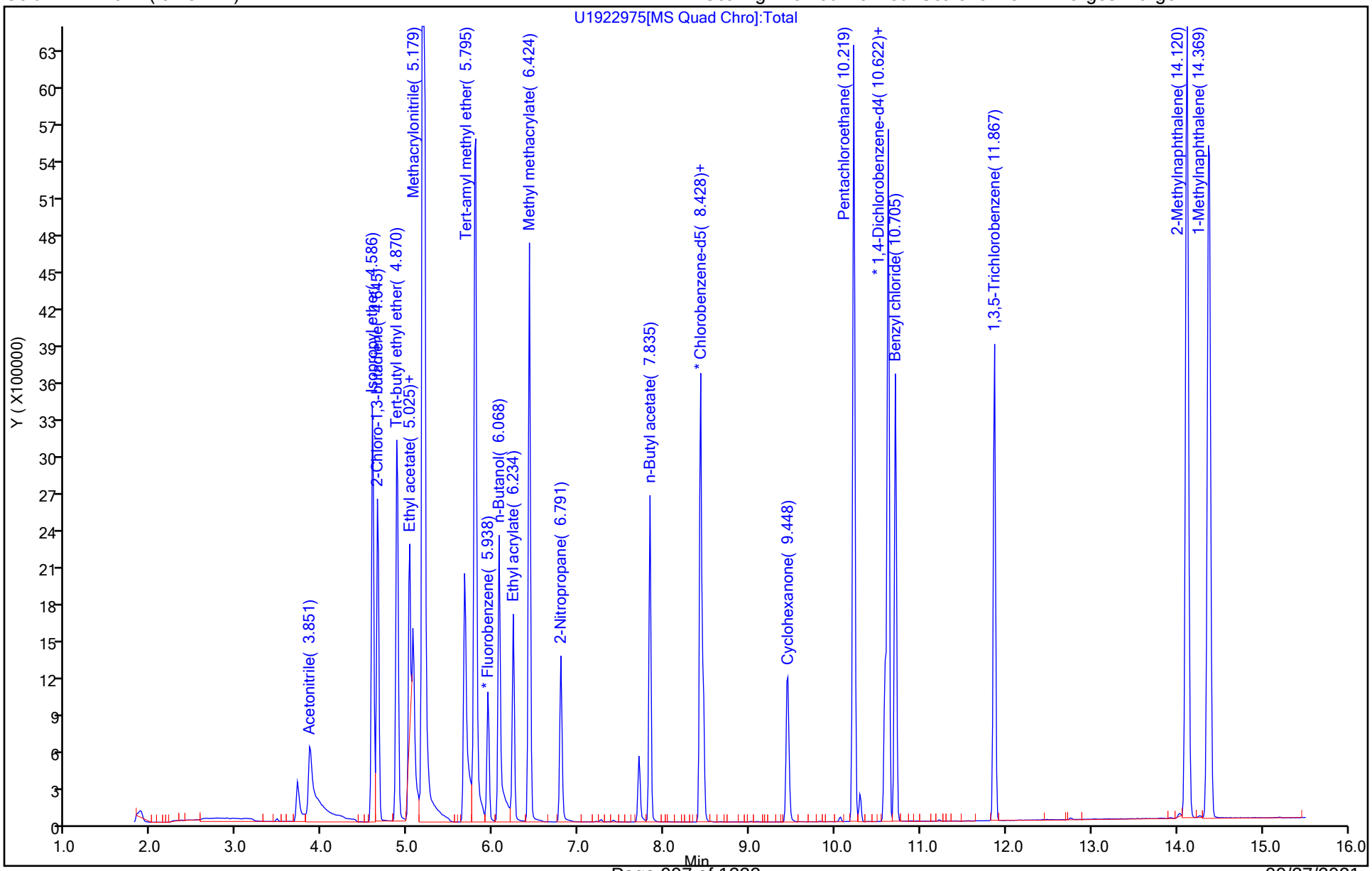
Report Date: 13-Jul-2021 14:44:31 Chrom Revision: 2.3 13-May-2021 07:57:40

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

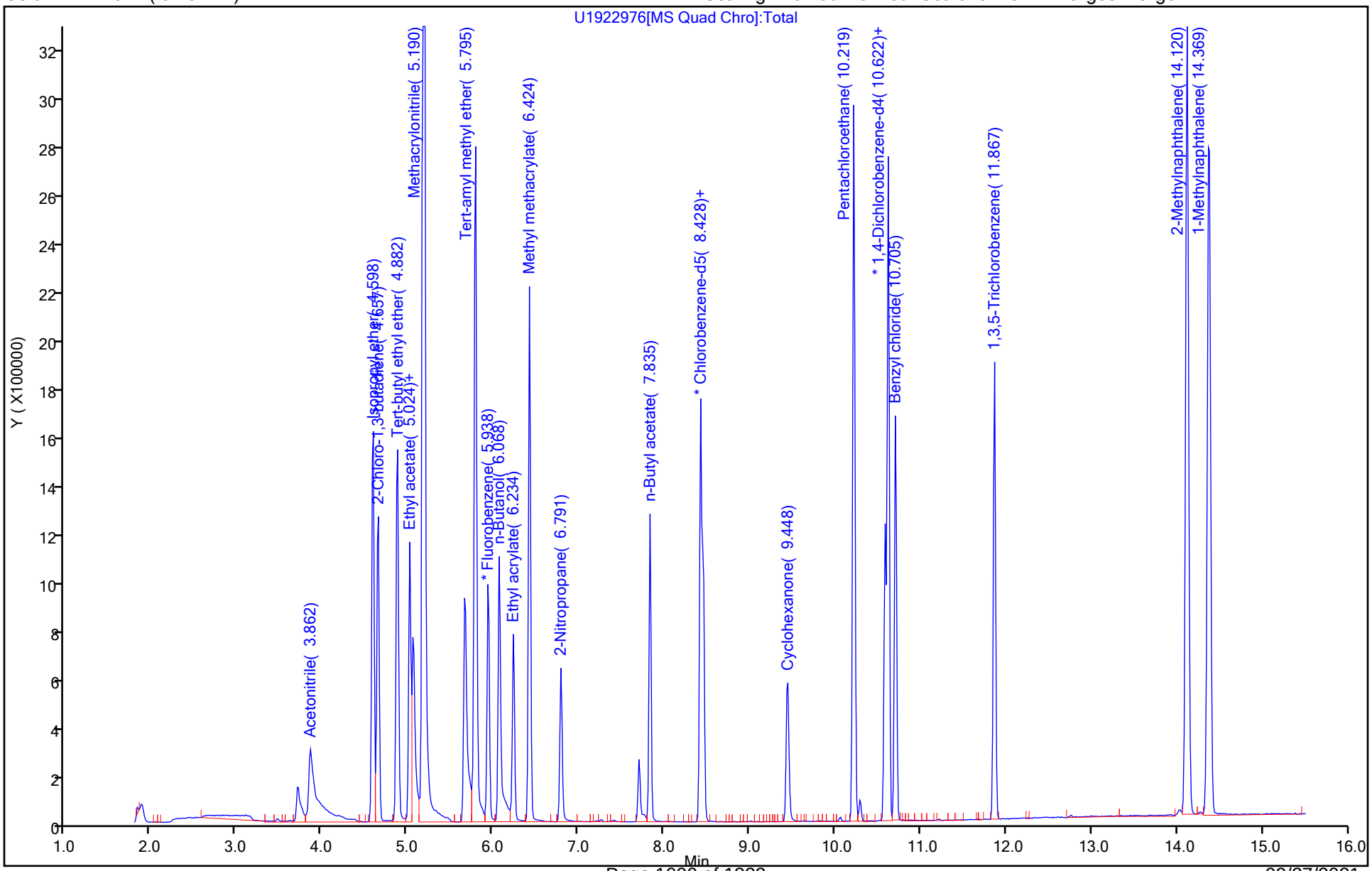
Report Date: 13-Jul-2021 14:44:34 Chrom Revision: 2.3 13-May-2021 07:57:40

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

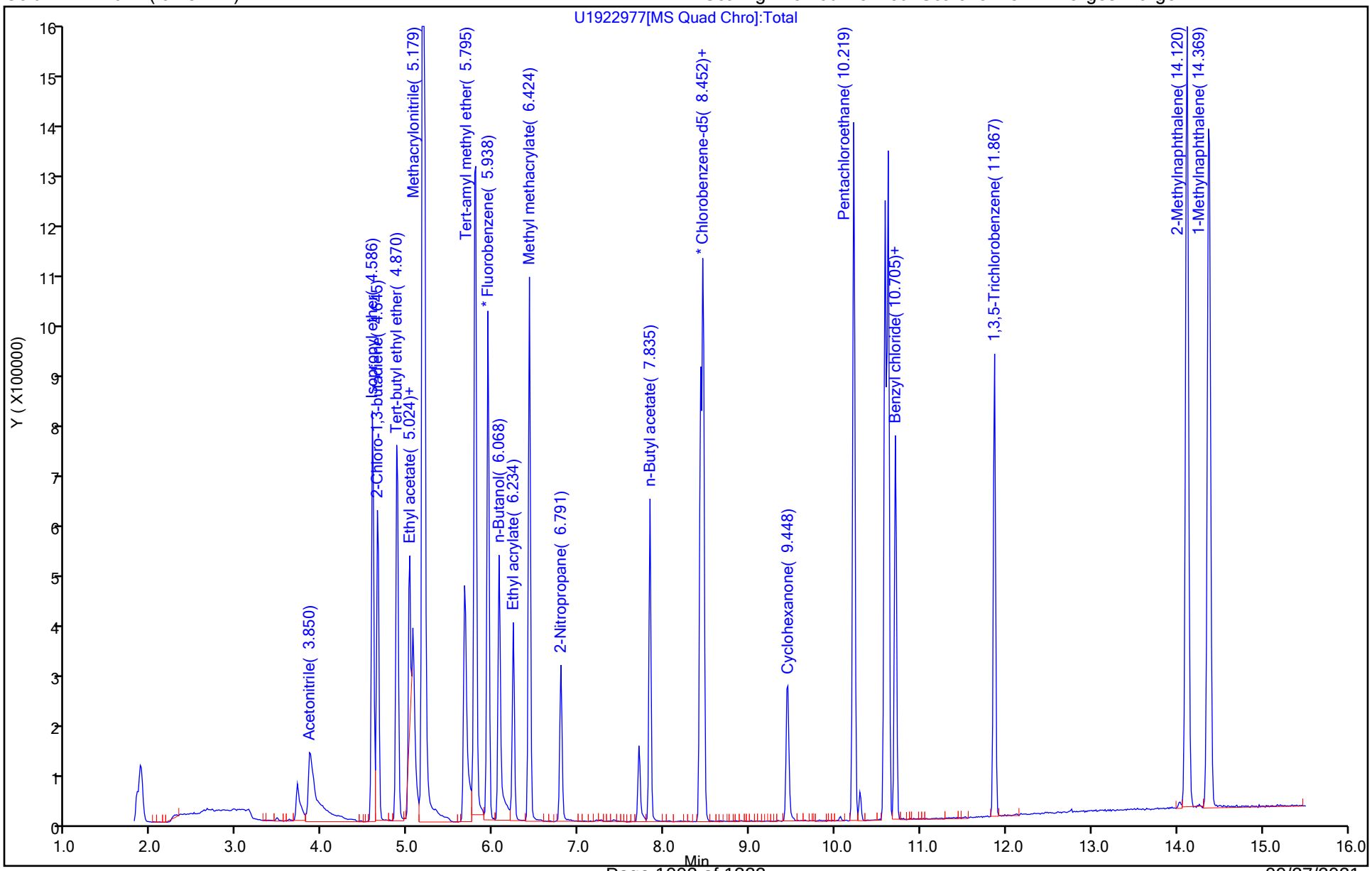
Report Date: 13-Jul-2021 14:44:37 Chrom Revision: 2.3 13-May-2021 07:57:40

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

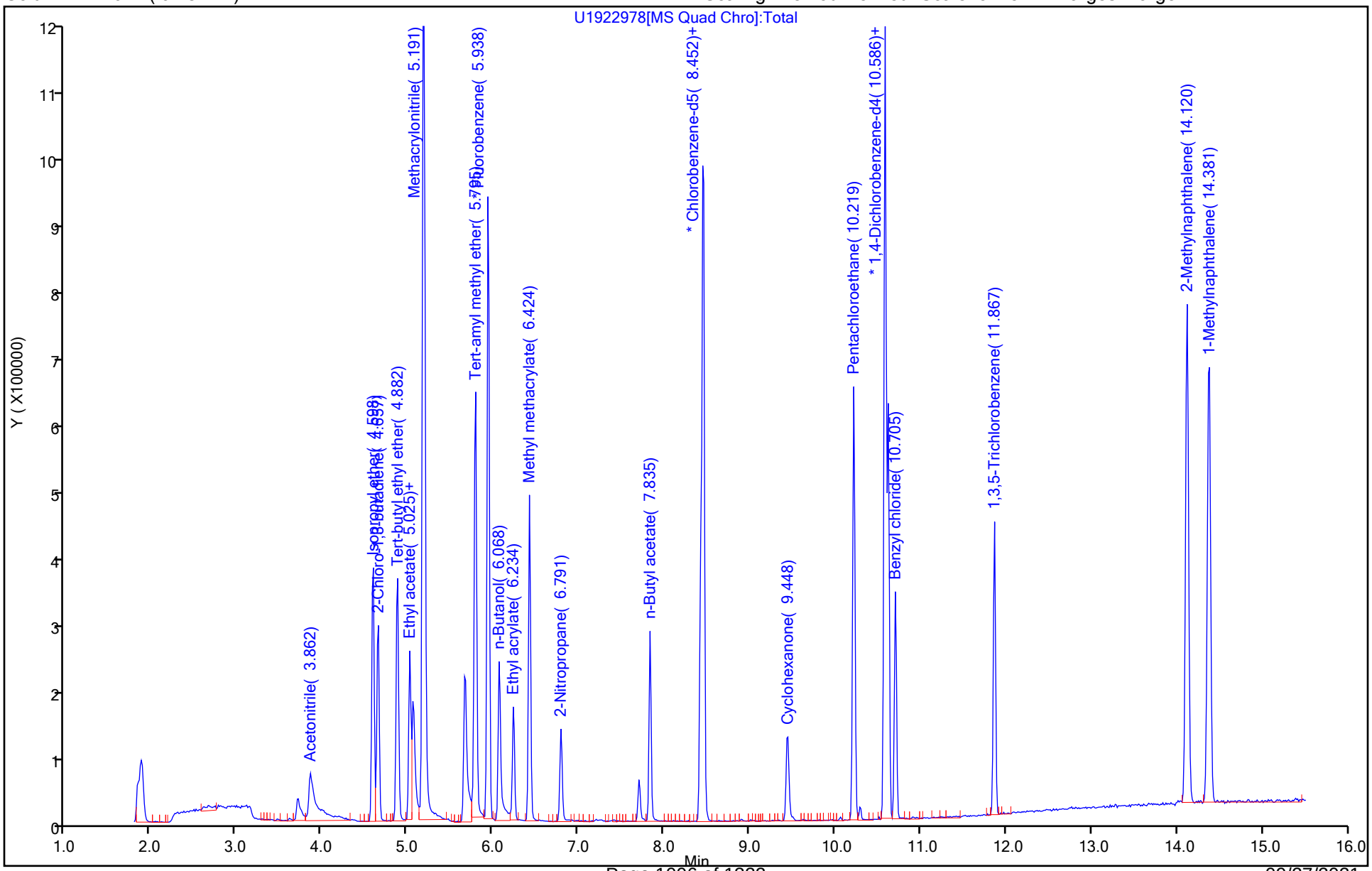
Report Date: 13-Jul-2021 14:44:39 Chrom Revision: 2.3 13-May-2021 07:57:40

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

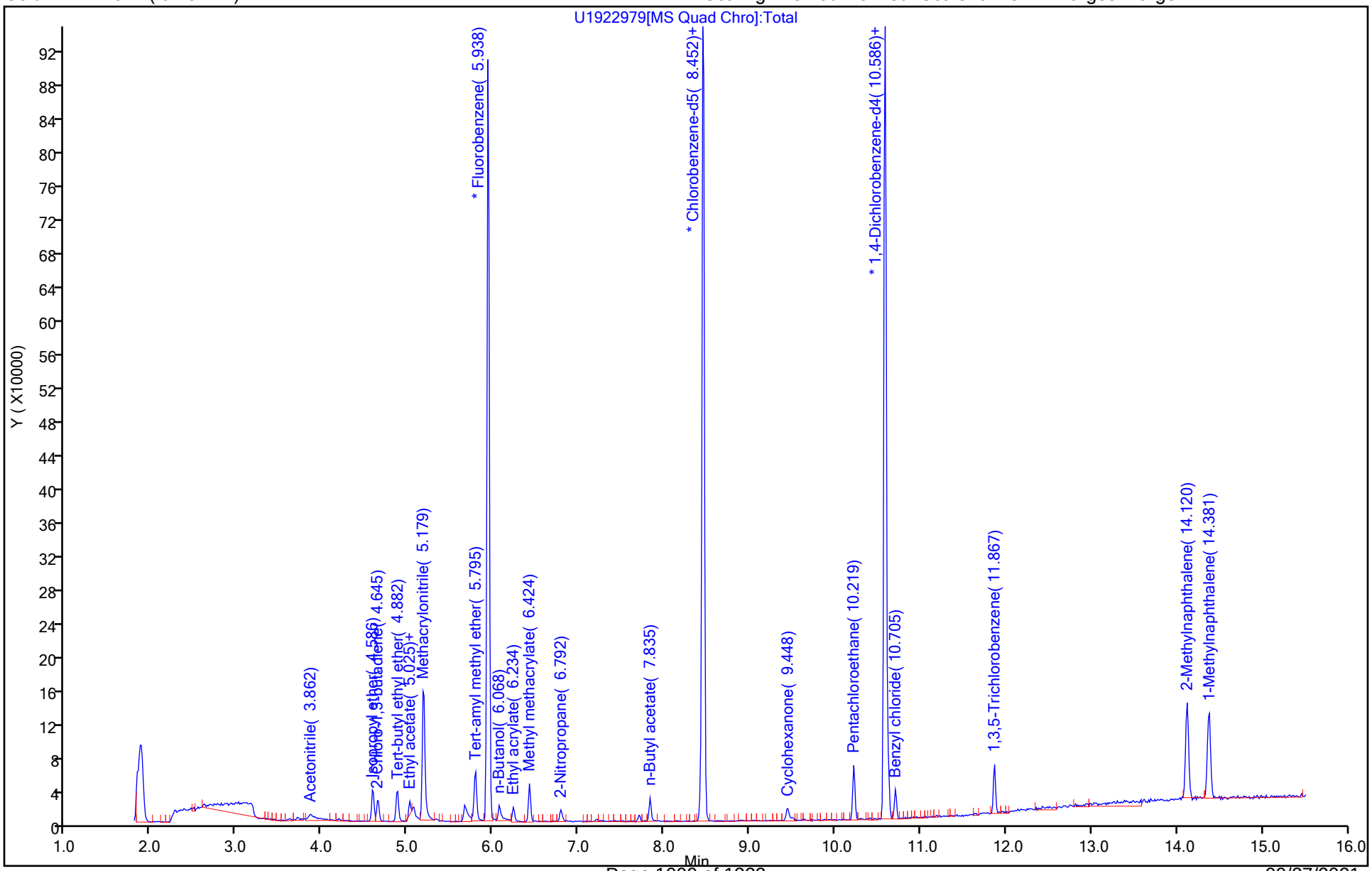
Report Date: 13-Jul-2021 14:44:41 Chrom Revision: 2.3 13-May-2021 07:57:40

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

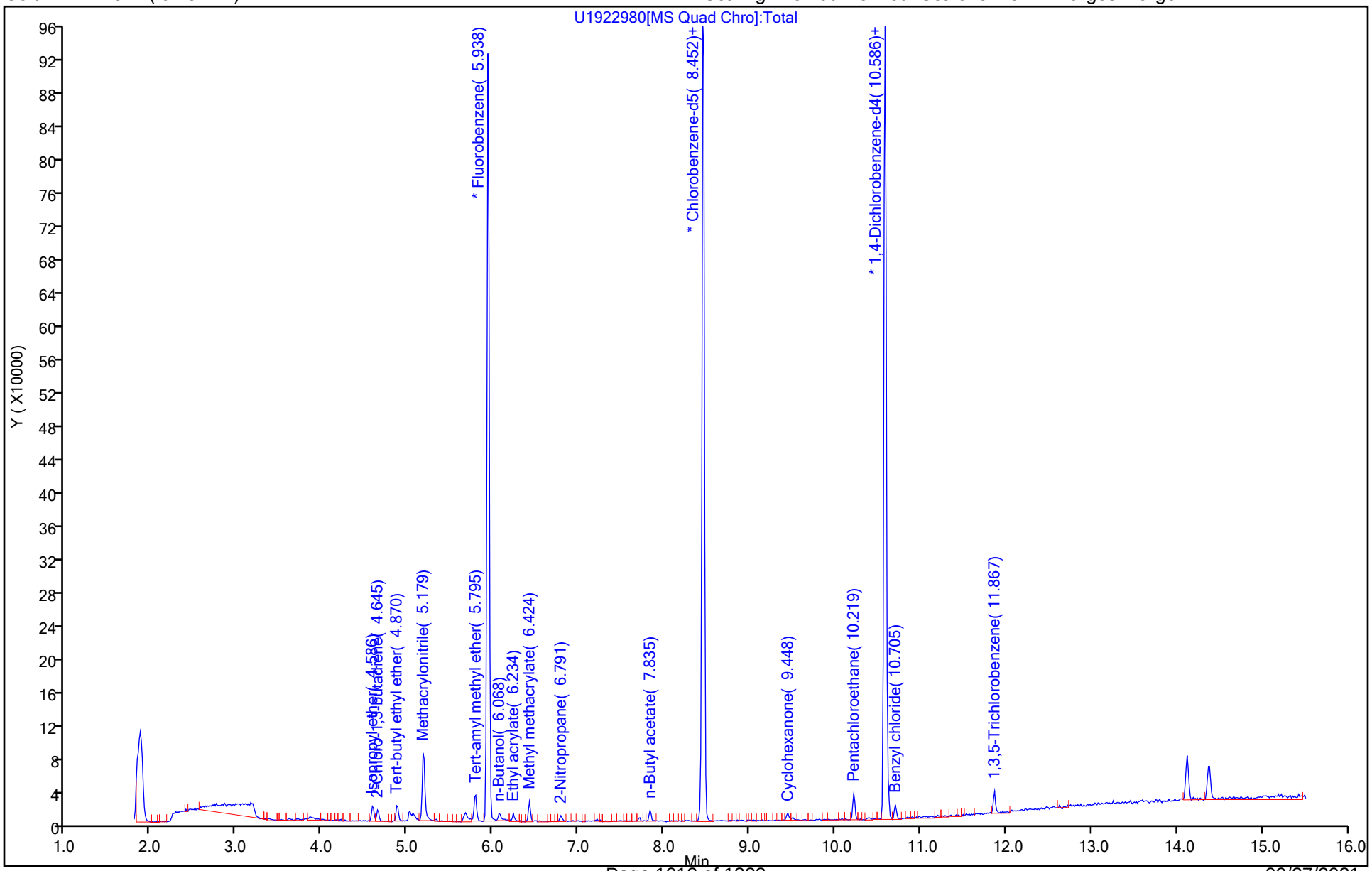
Report Date: 13-Jul-2021 14:44:44 Chrom Revision: 2.3 13-May-2021 07:57:40

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



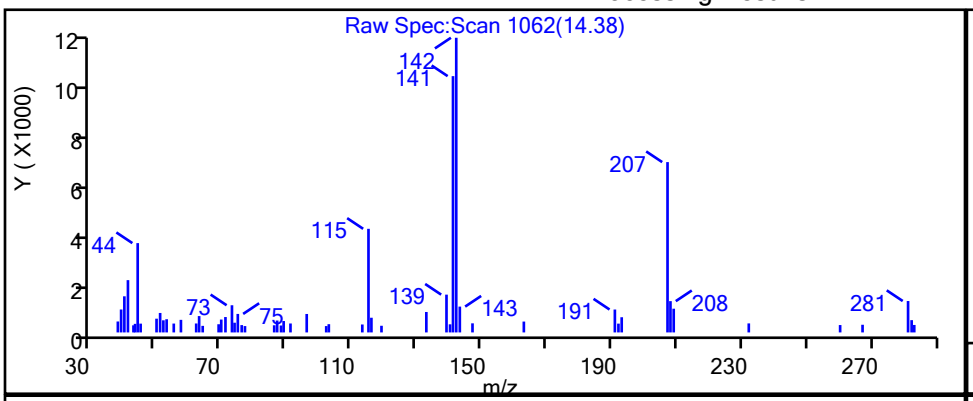
User Disabled Compound Report

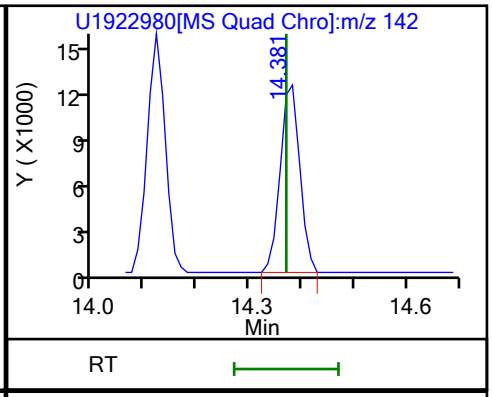
Eurofins TestAmerica, Canton

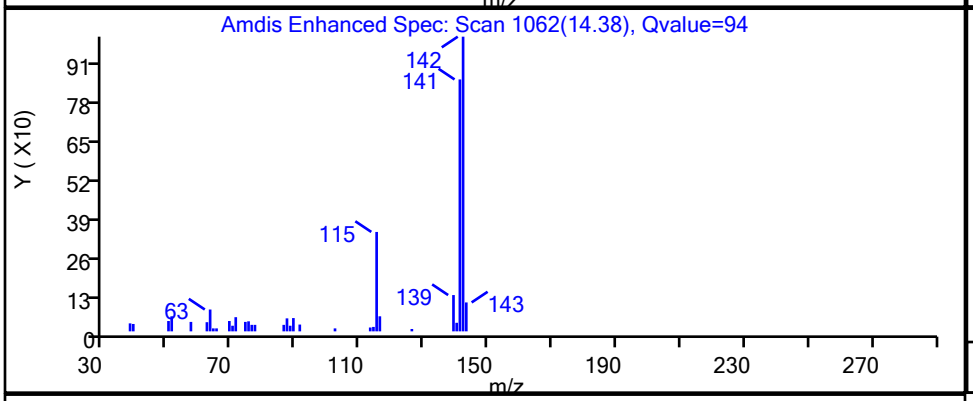
Data File:	\\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d				
Injection Date:	12-Jul-2021 21:37:57	Instrument ID:	A3UX19		
Lims ID:	stdA9 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

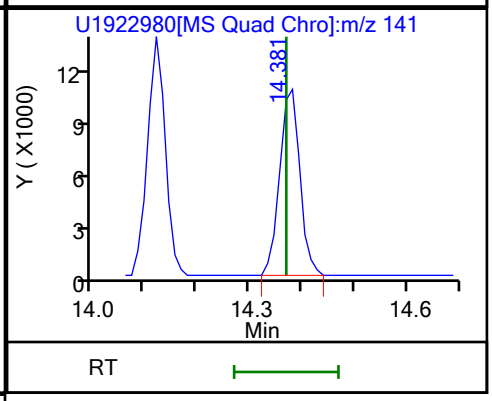
168 1-Methylnaphthalene, CAS: 90-12-0

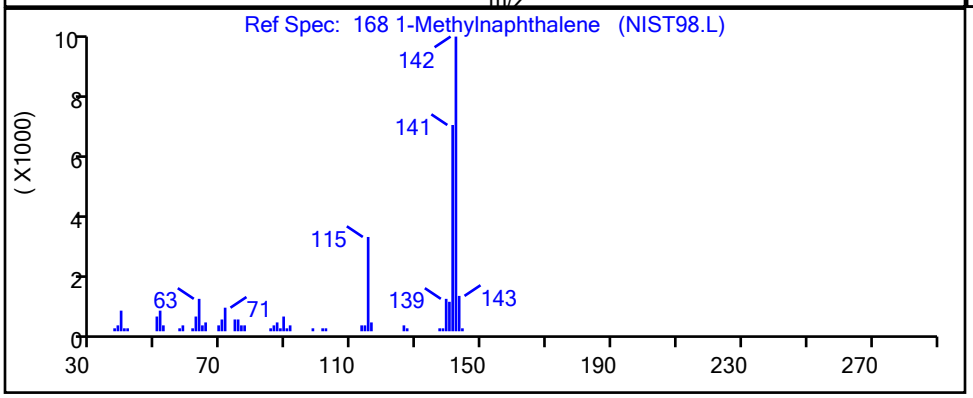
Processing Results











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

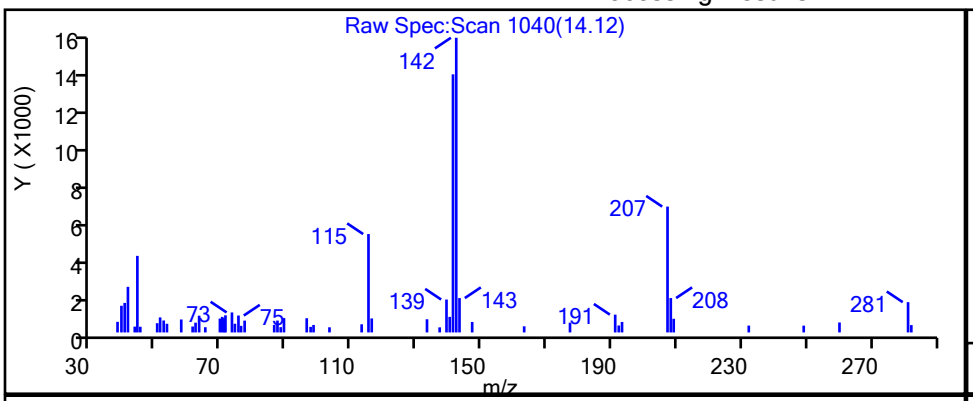
User Disabled Compound Report

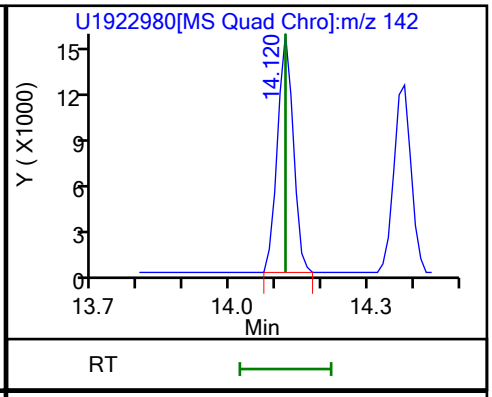
Eurofins TestAmerica, Canton

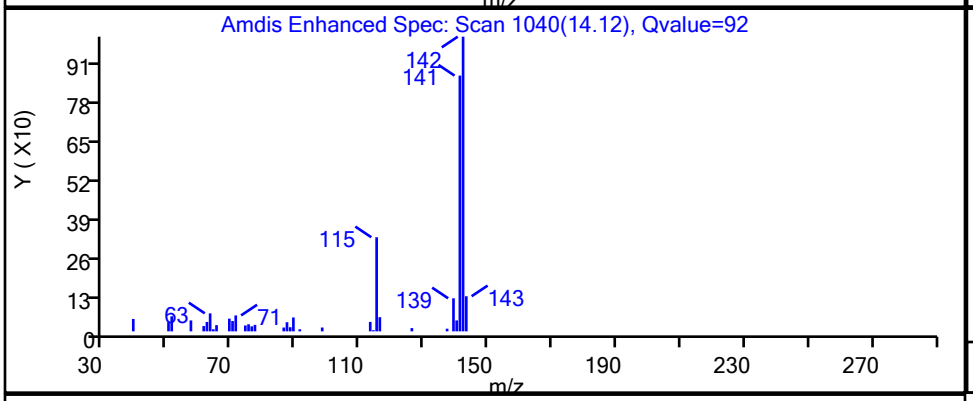
Data File:	\\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d				
Injection Date:	12-Jul-2021 21:37:57	Instrument ID:	A3UX19		
Lims ID:	stdA9 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

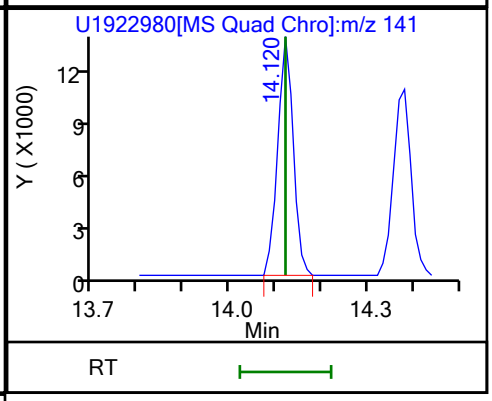
120 2-Methylnaphthalene, CAS: 91-57-6

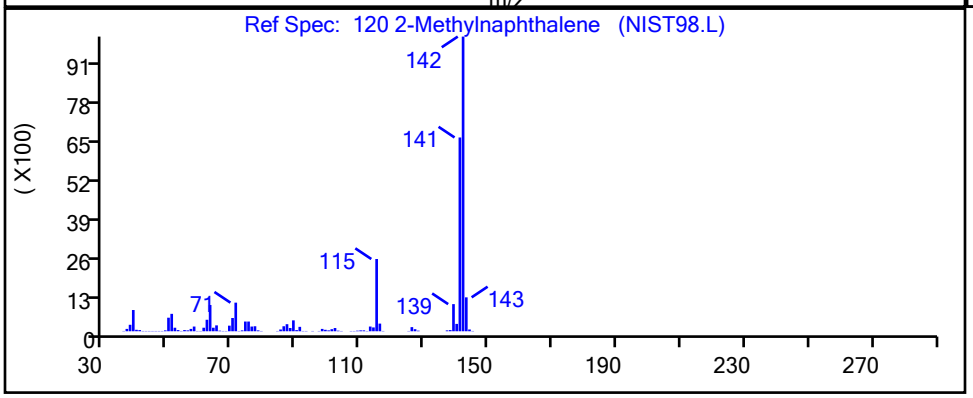
Processing Results











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

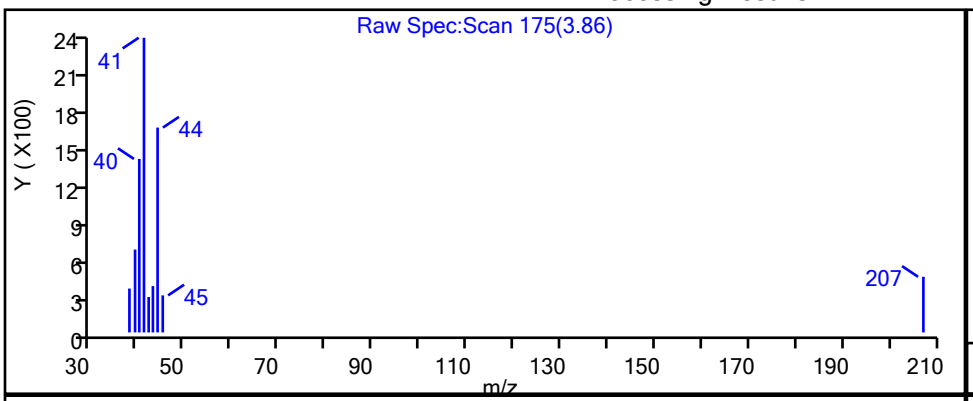
User Disabled Compound Report

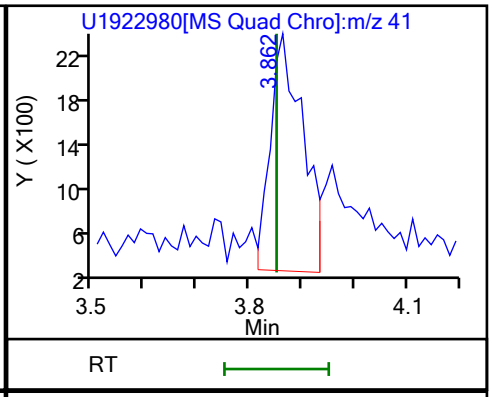
Eurofins TestAmerica, Canton

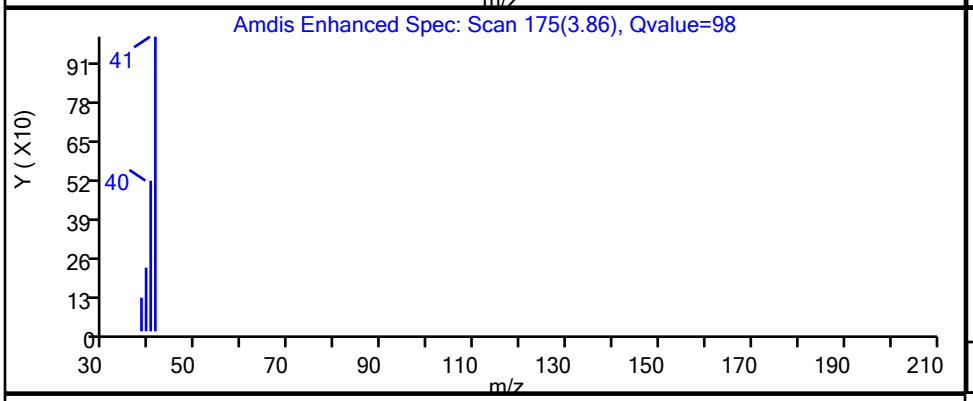
Data File:	\\chromfs\Canton\ChromData\A3UX19\20210712-111153.b\U1922980.d				
Injection Date:	12-Jul-2021 21:37:57	Instrument ID:	A3UX19		
Lims ID:	stdA9 L1				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:	DB-624 (0.18 mm)	Detector	MS SCAN		

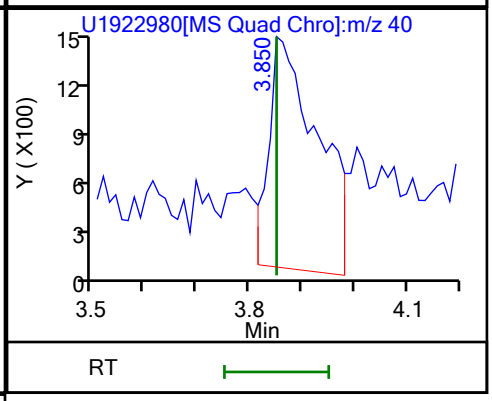
26 Acetonitrile, CAS: 75-05-8

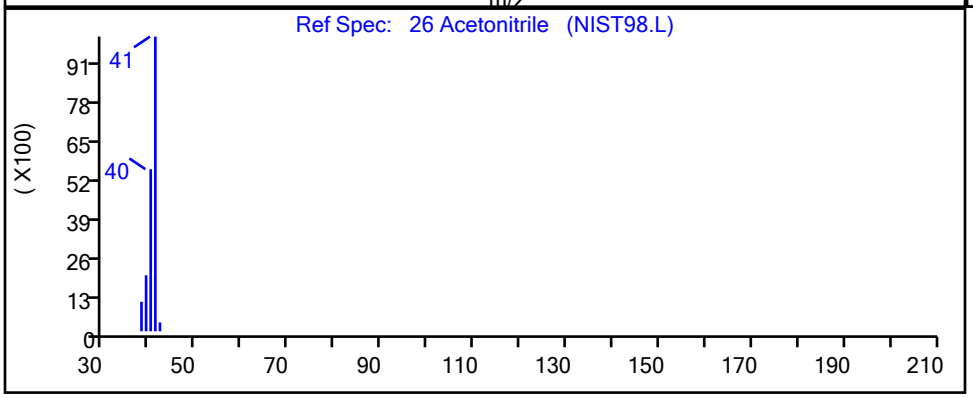
Processing Results











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

Calibration / Acetonitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

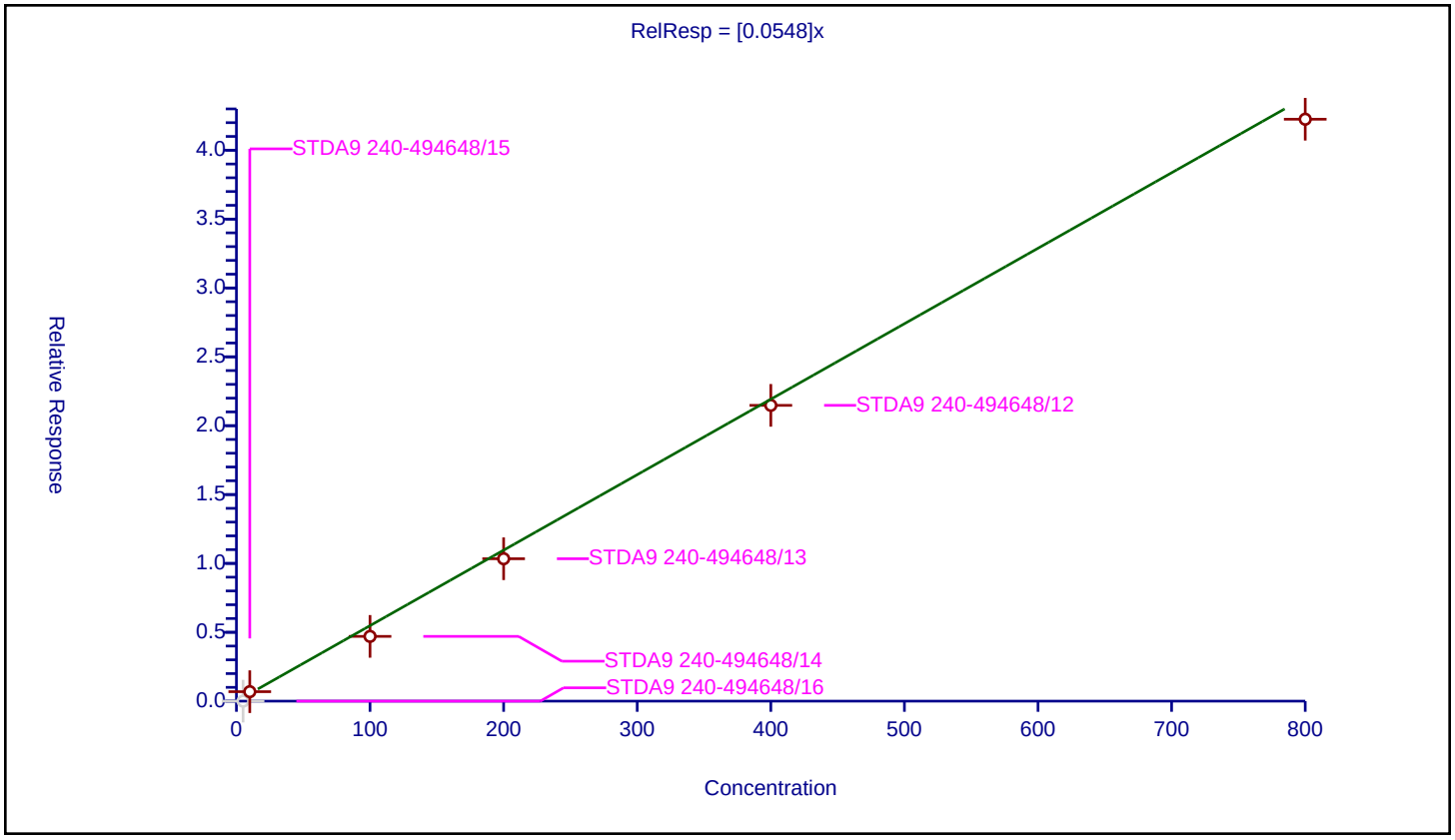
Curve Coefficients

Intercept:	0
Slope:	0.0548

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

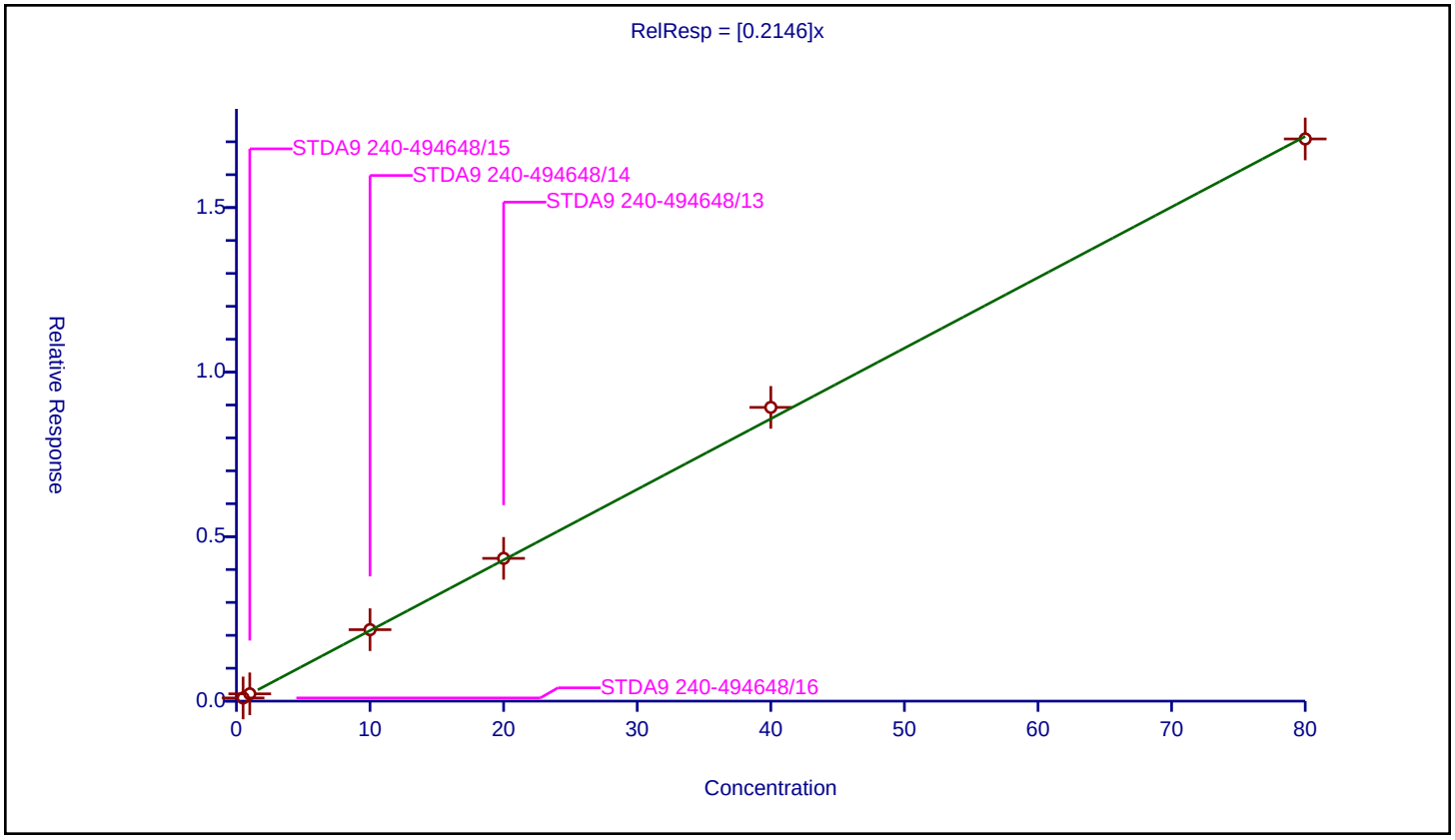
Curve Coefficients

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

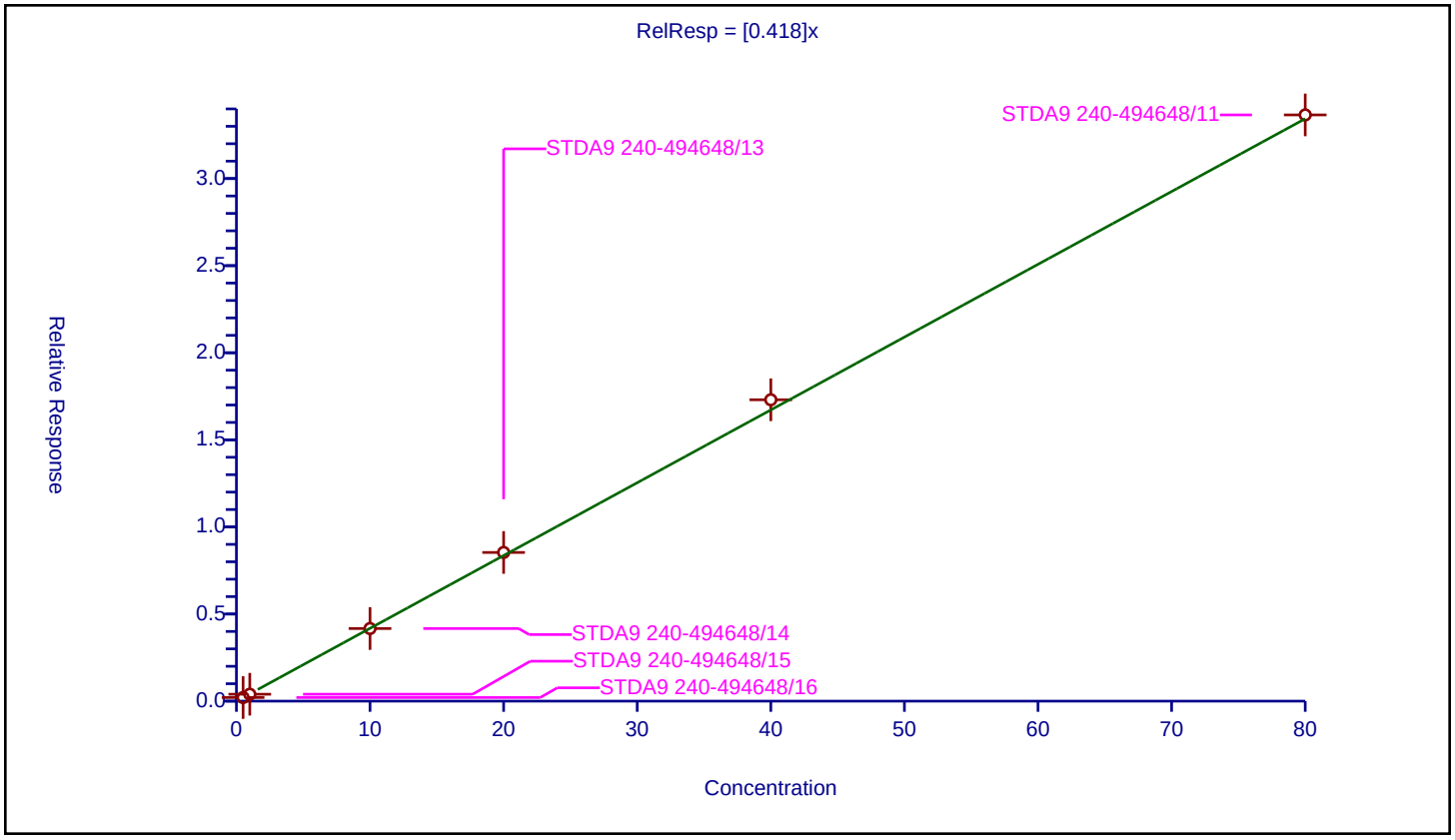
Curve Coefficients

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

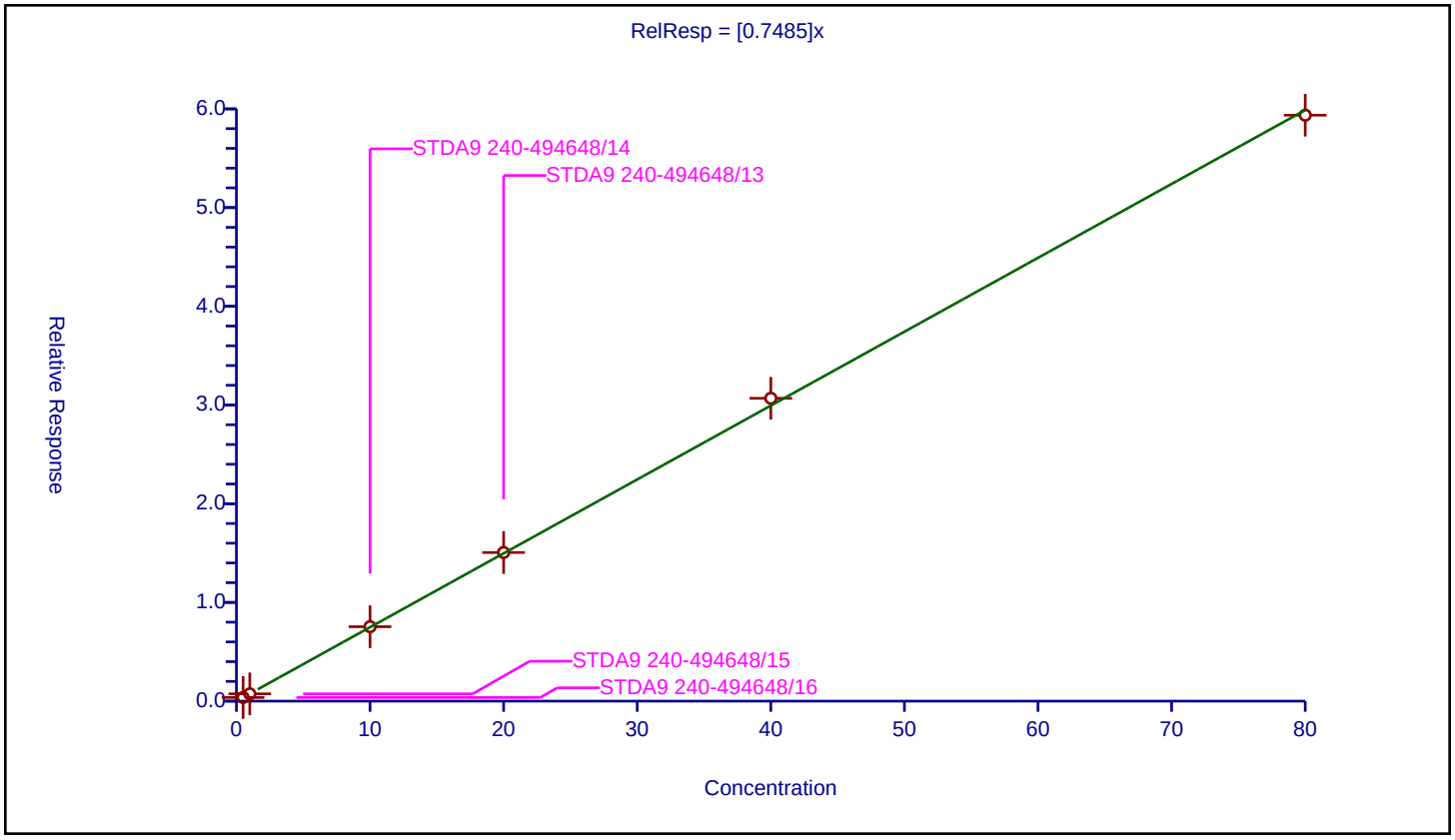
Curve Coefficients

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

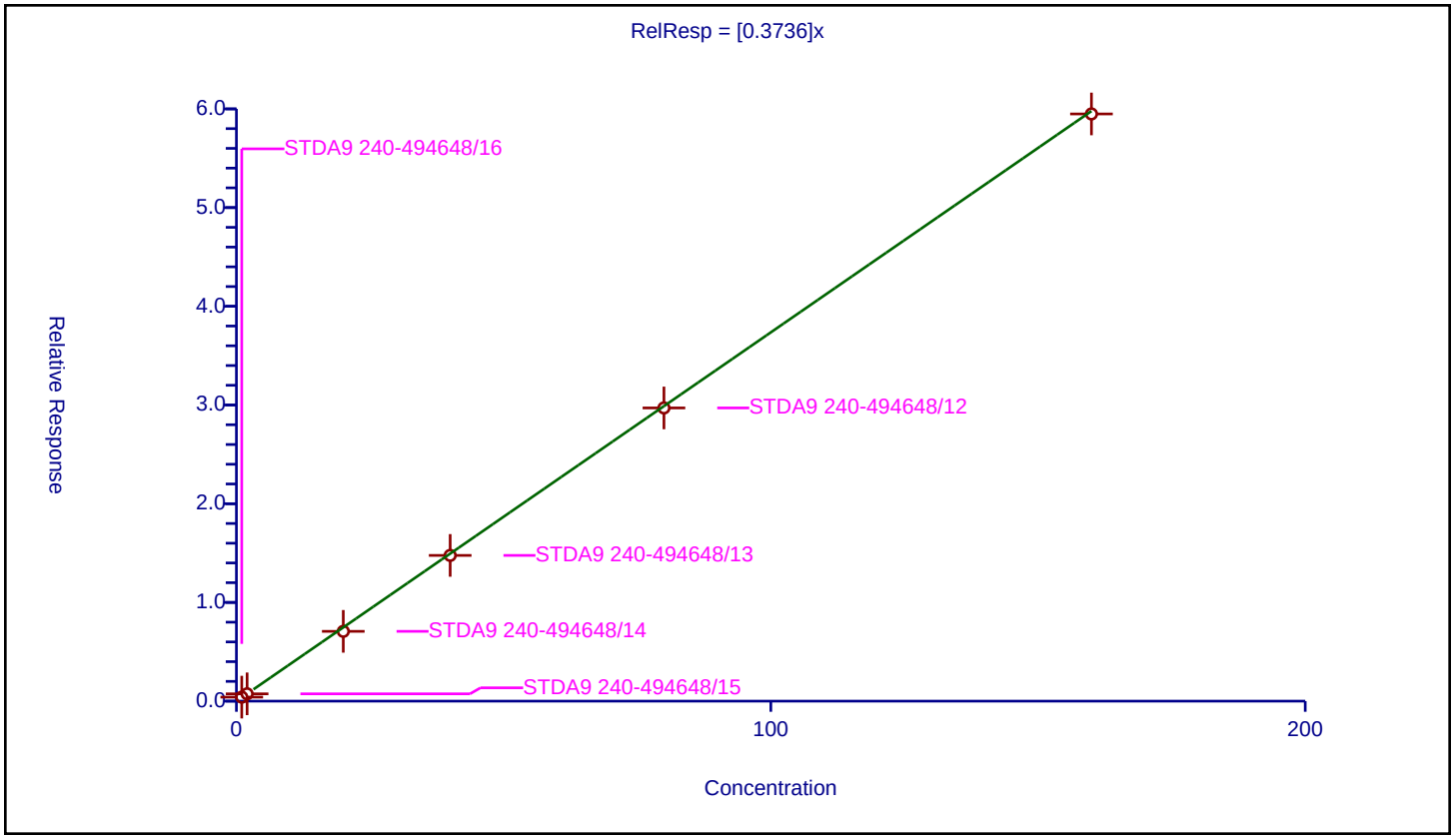
Curve Coefficients

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



Calibration / Propionitrile

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

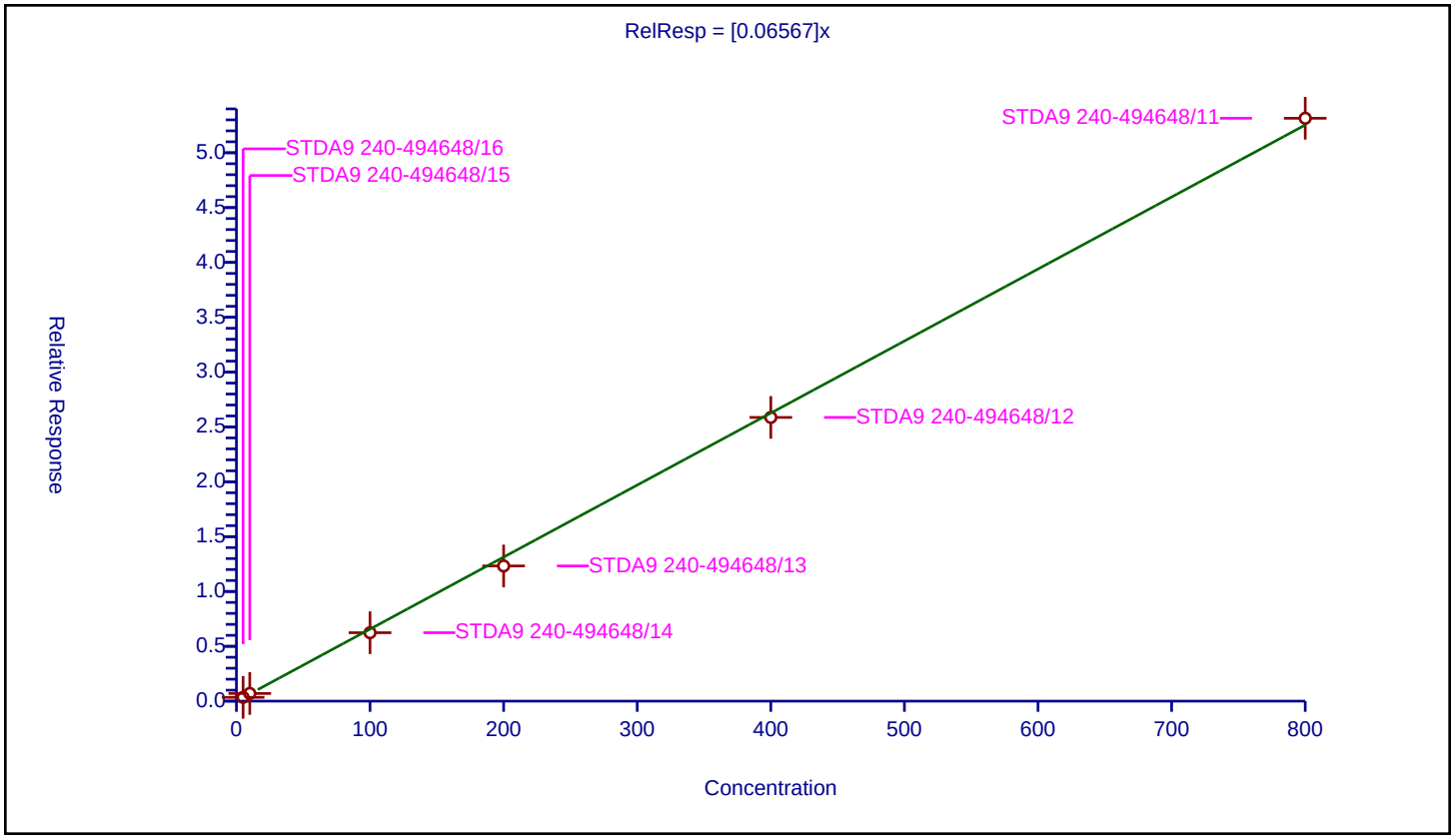
Curve Coefficients

Intercept:	0
Slope:	0.06567

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

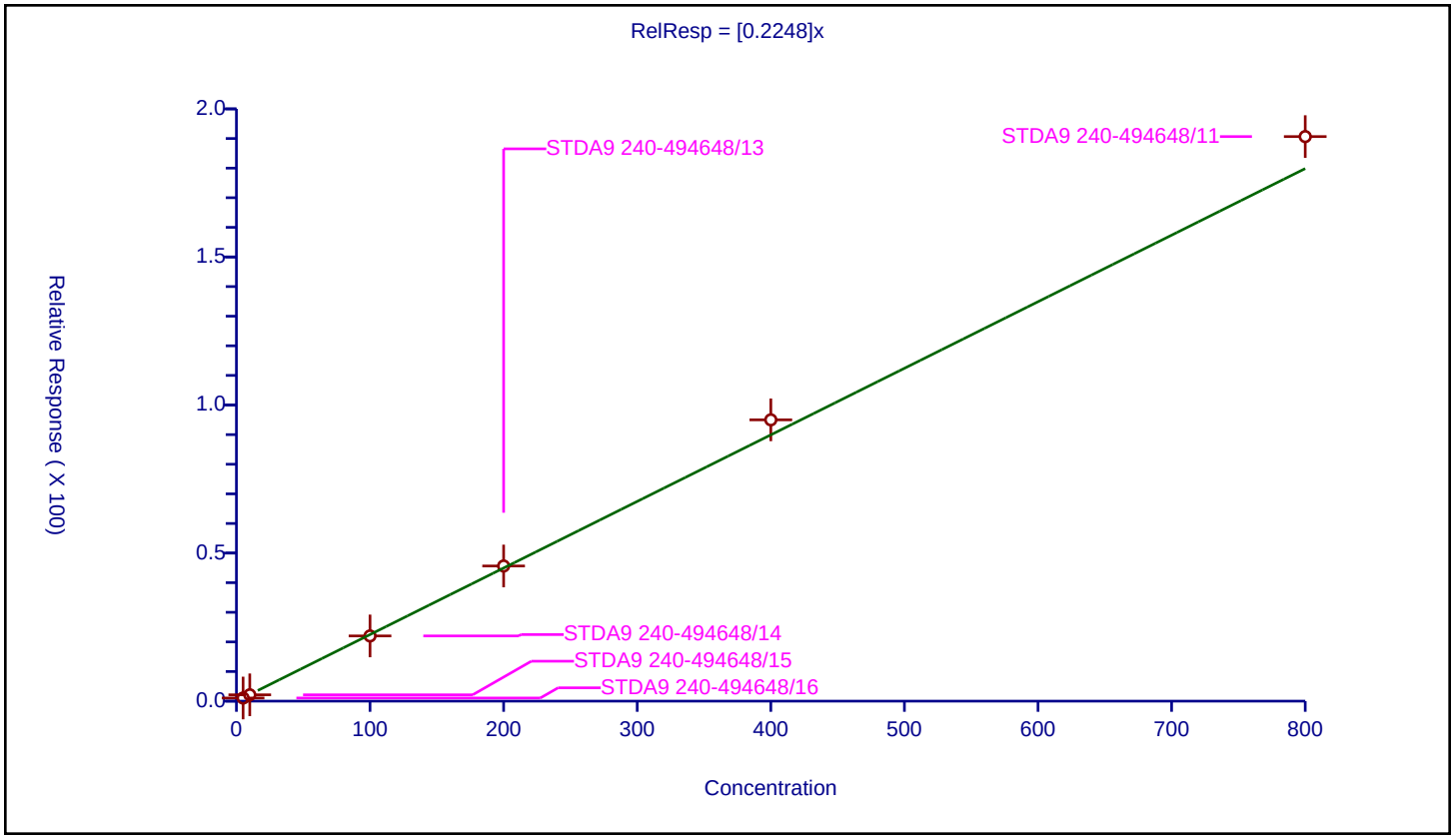
Curve Coefficients

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



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

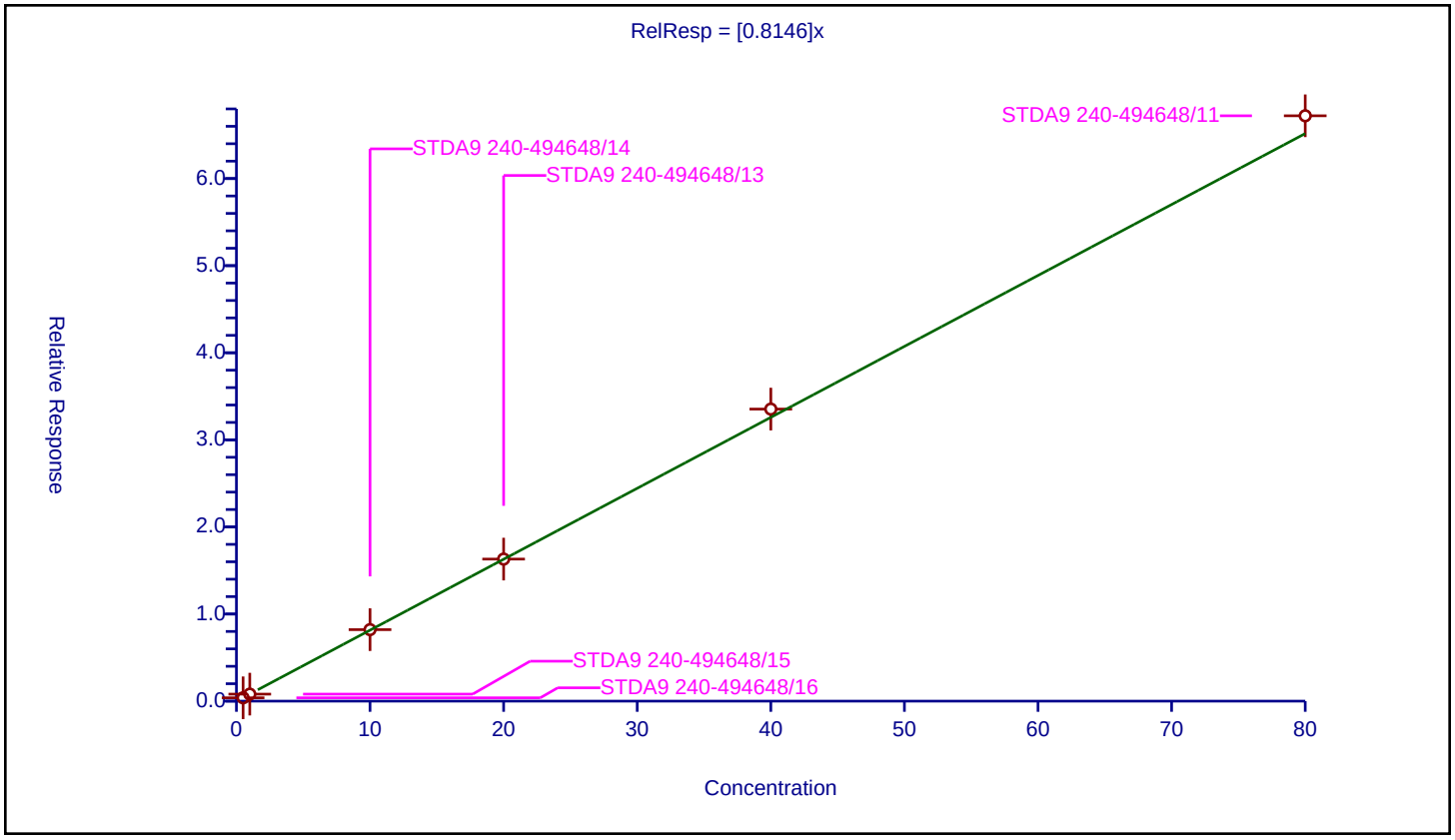
Curve Coefficients

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

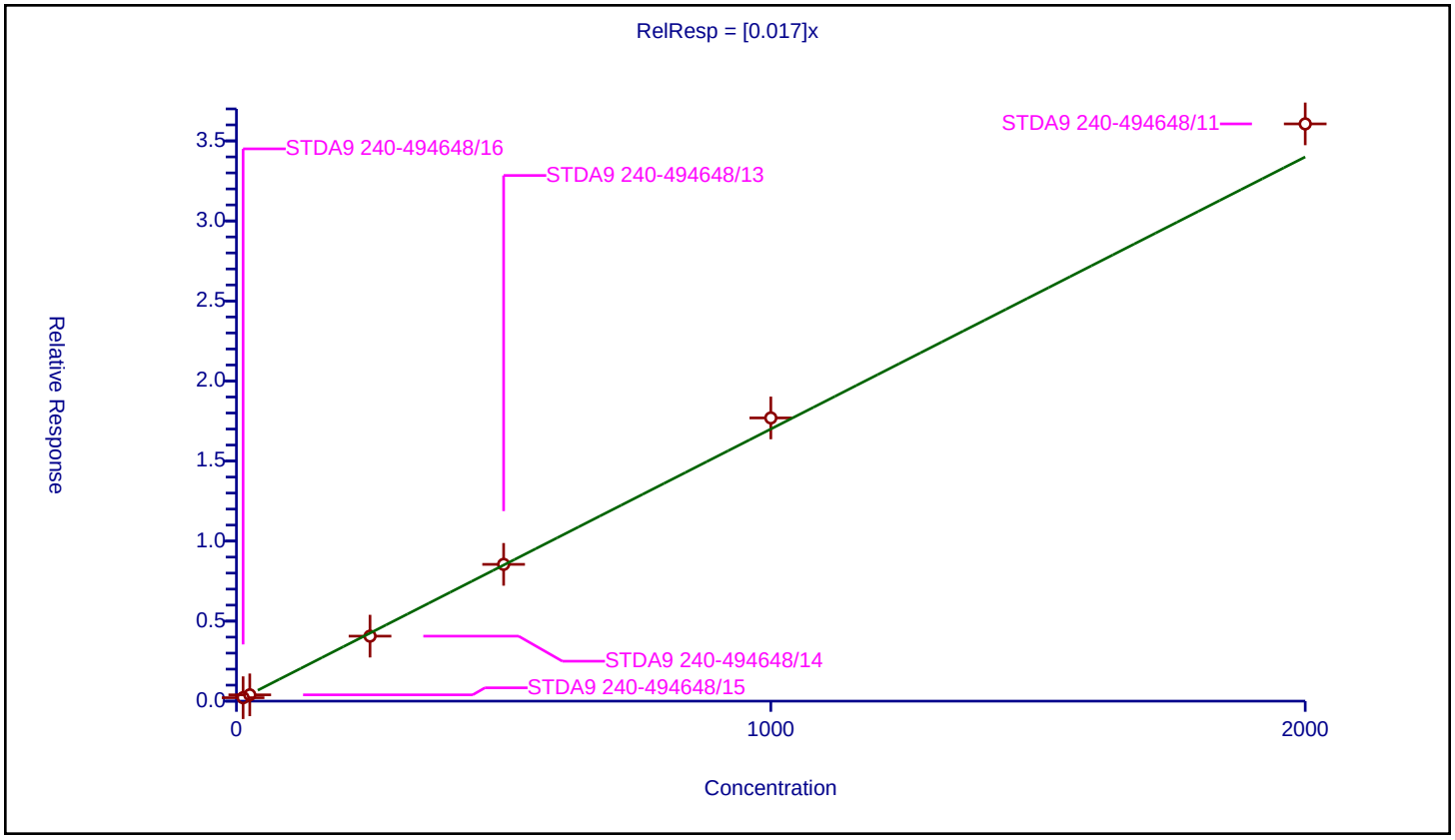
Curve Coefficients

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

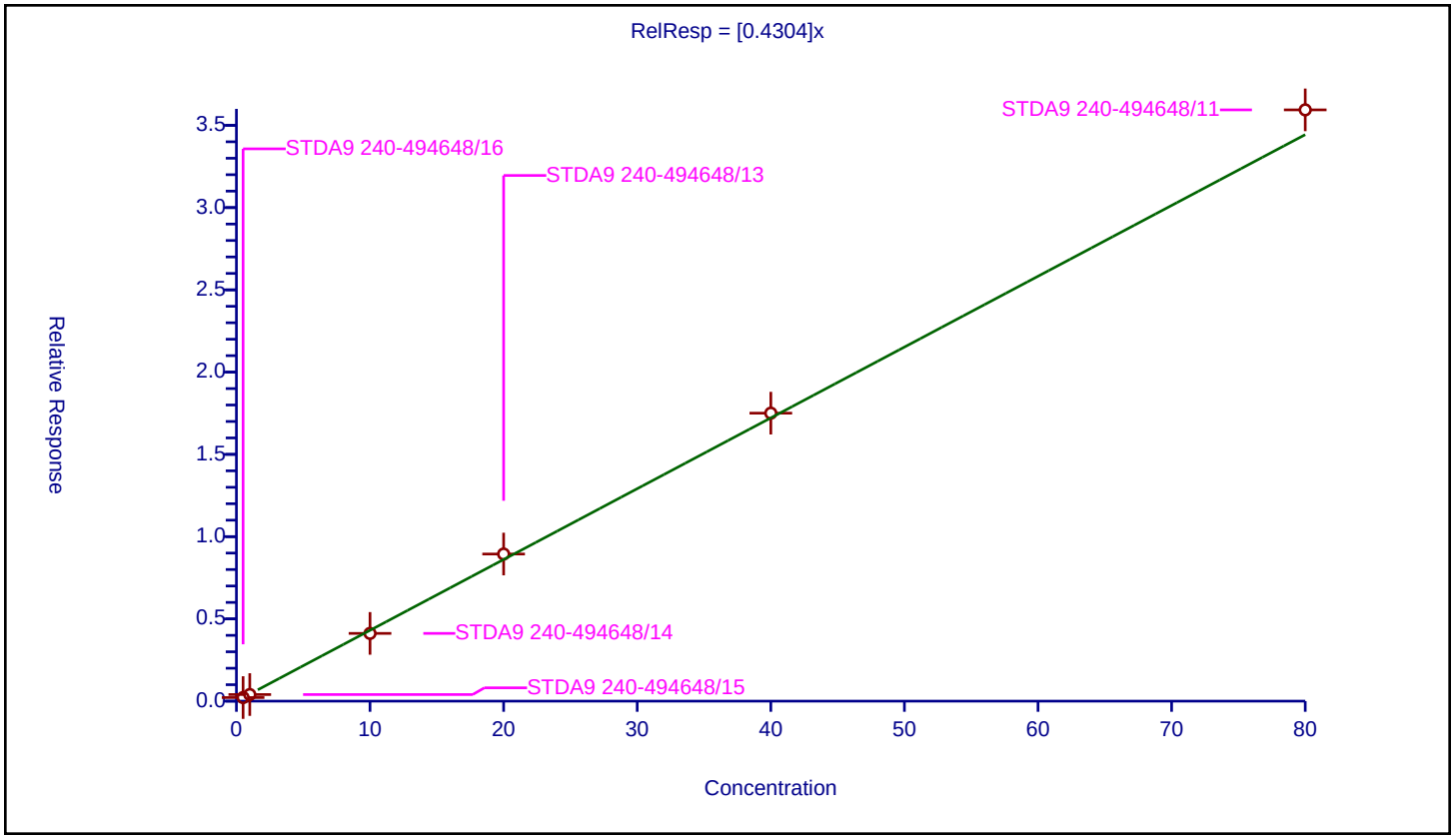
Curve Coefficients

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

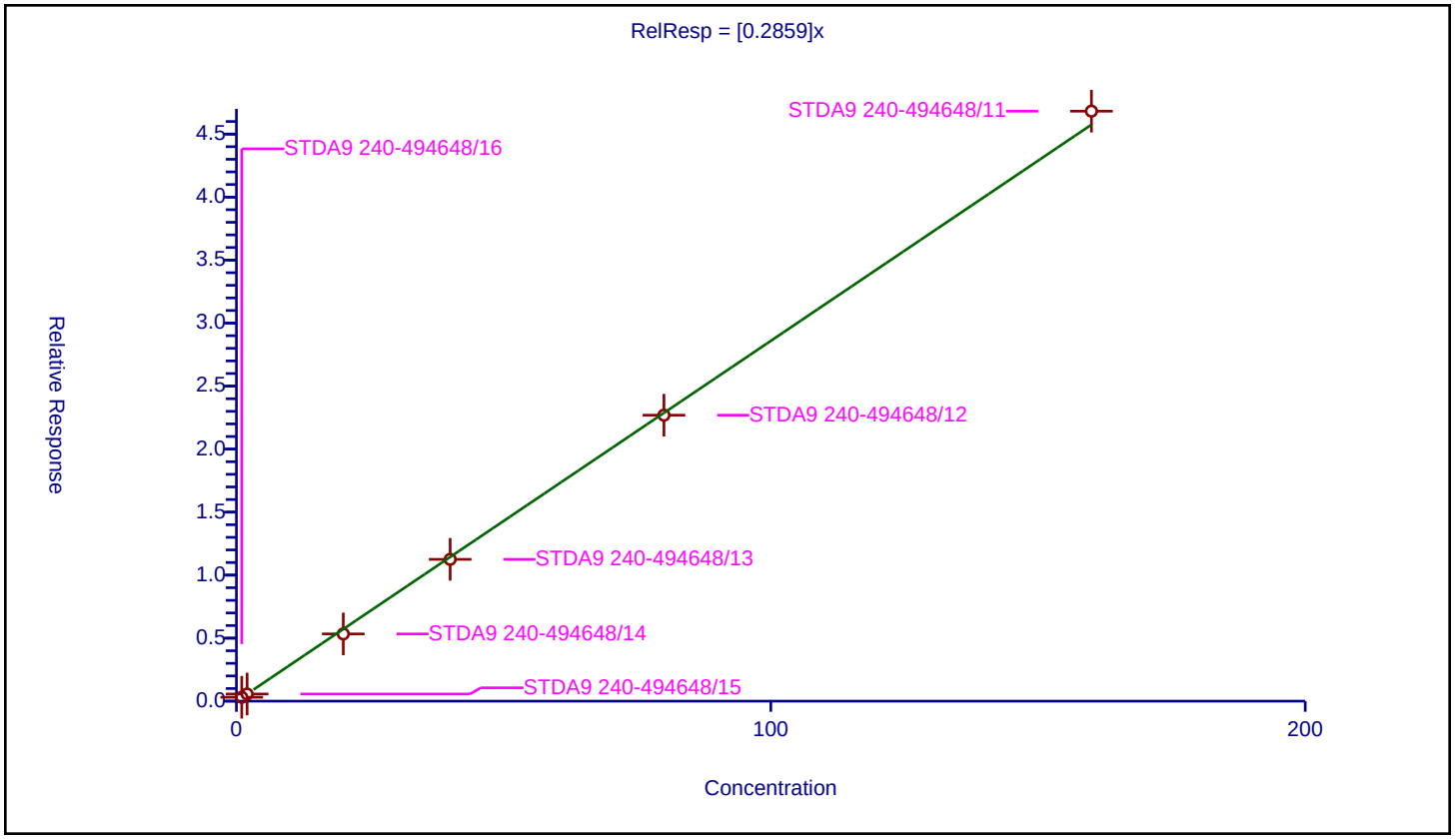
Curve Coefficients

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

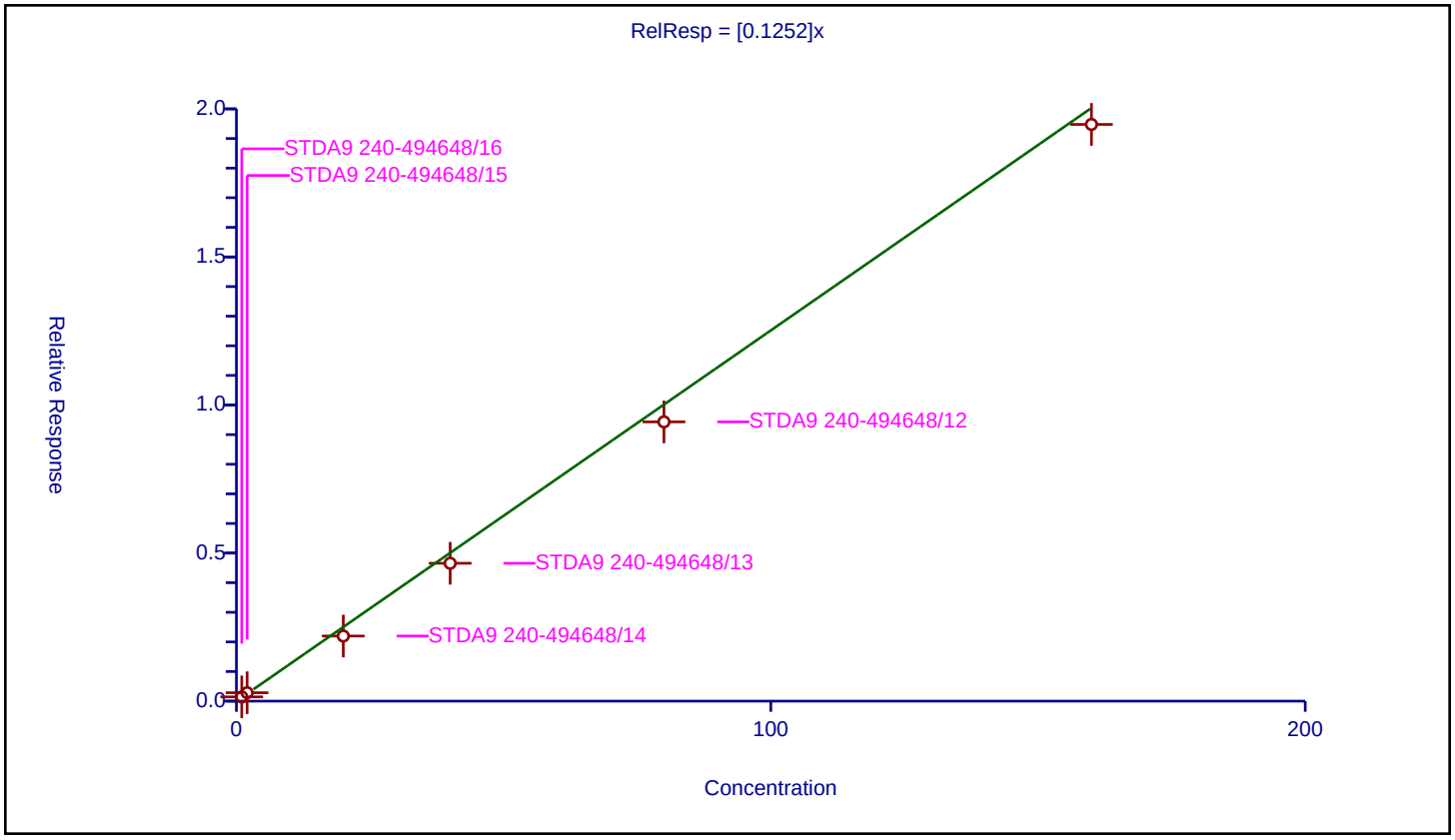
Curve Coefficients

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

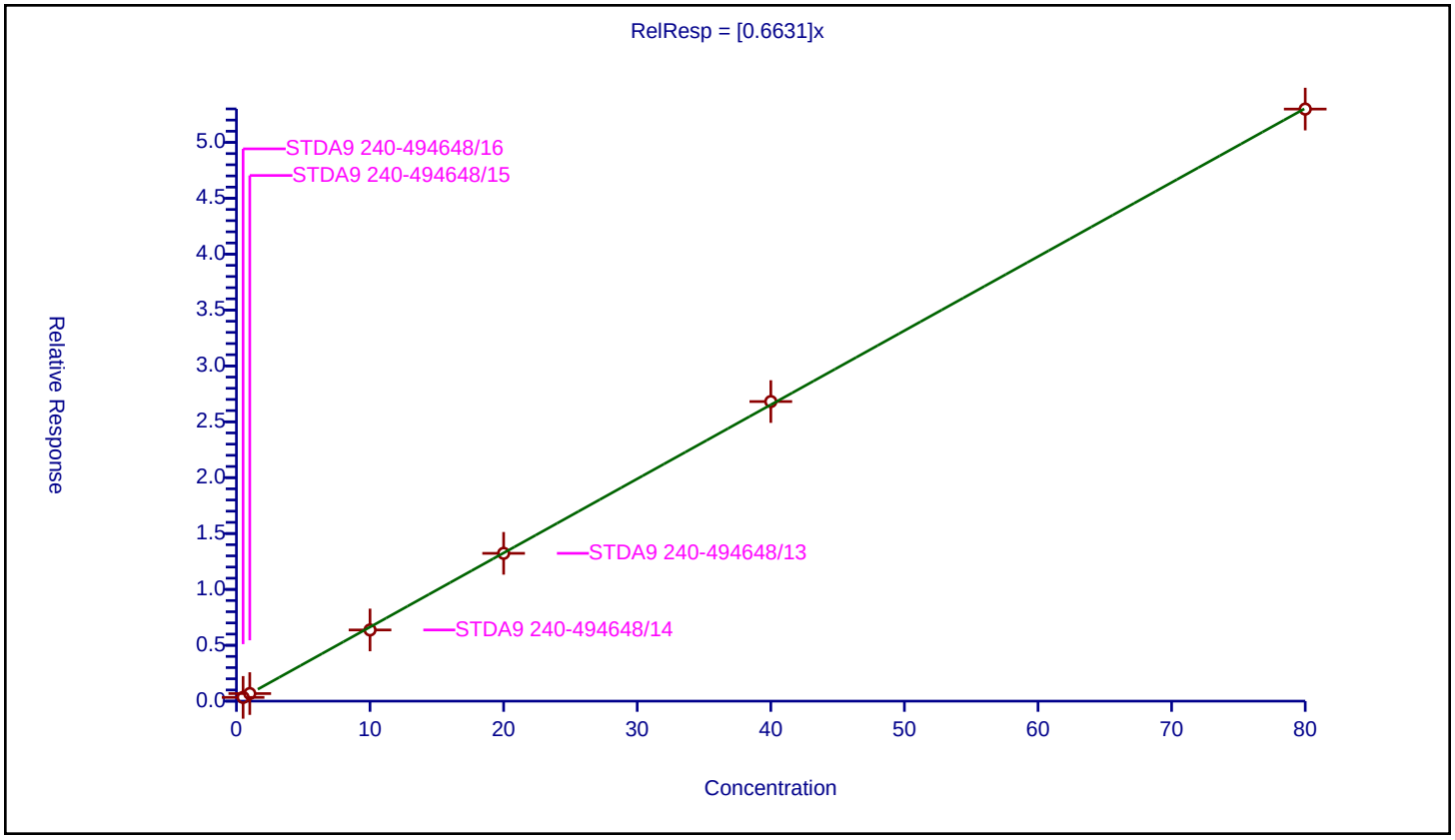
Curve Coefficients

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

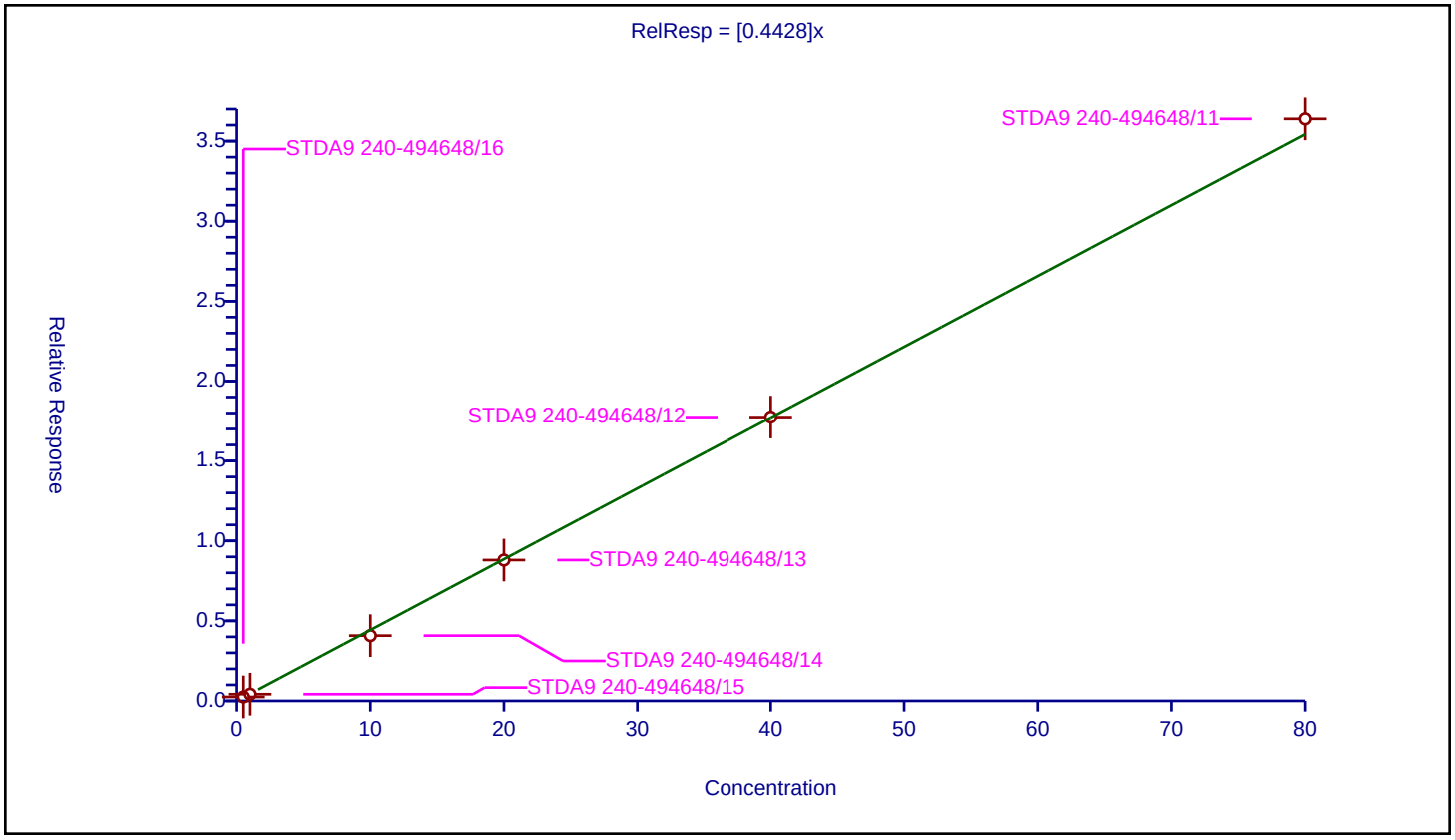
Curve Coefficients

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

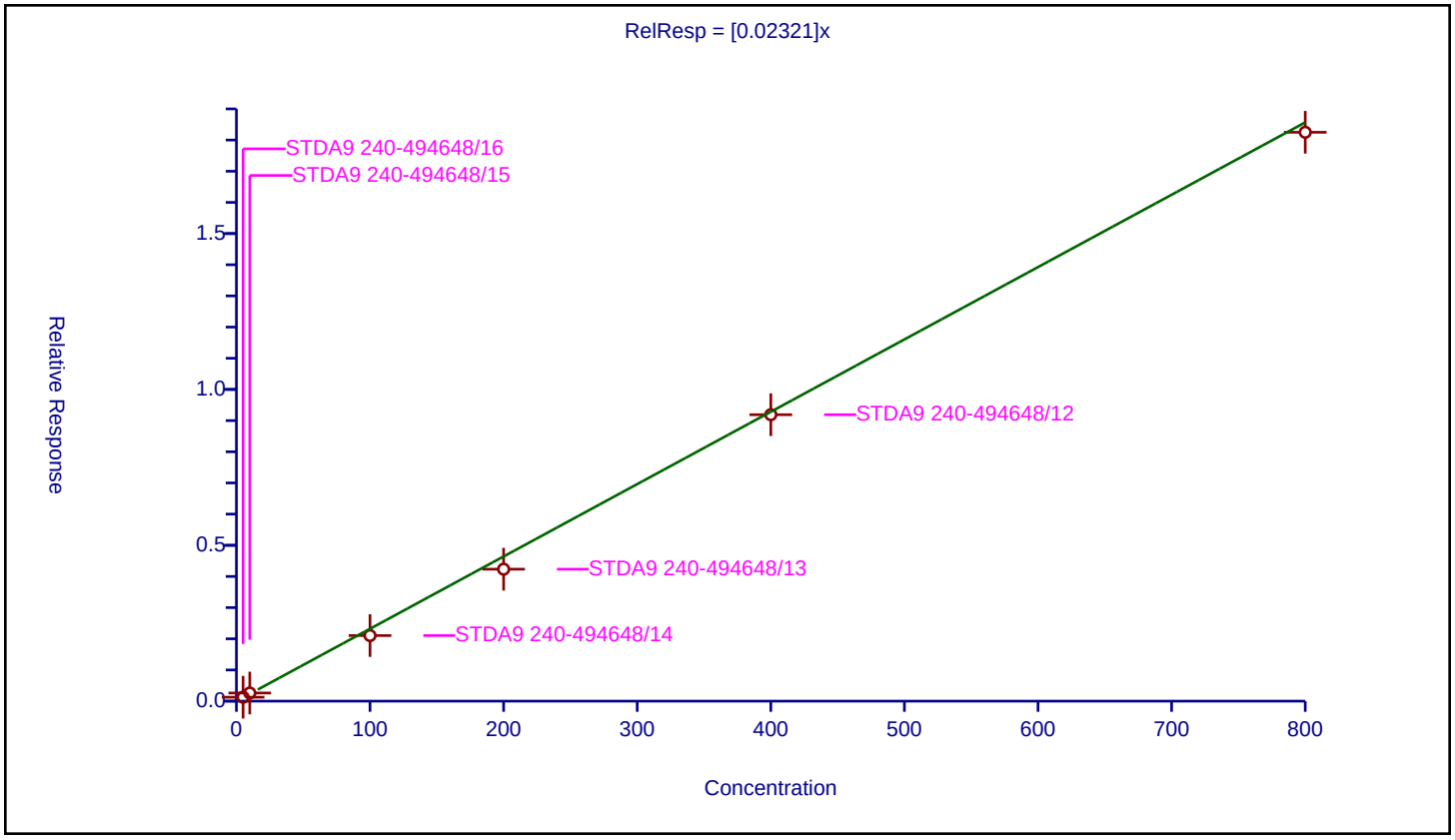
Curve Coefficients

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

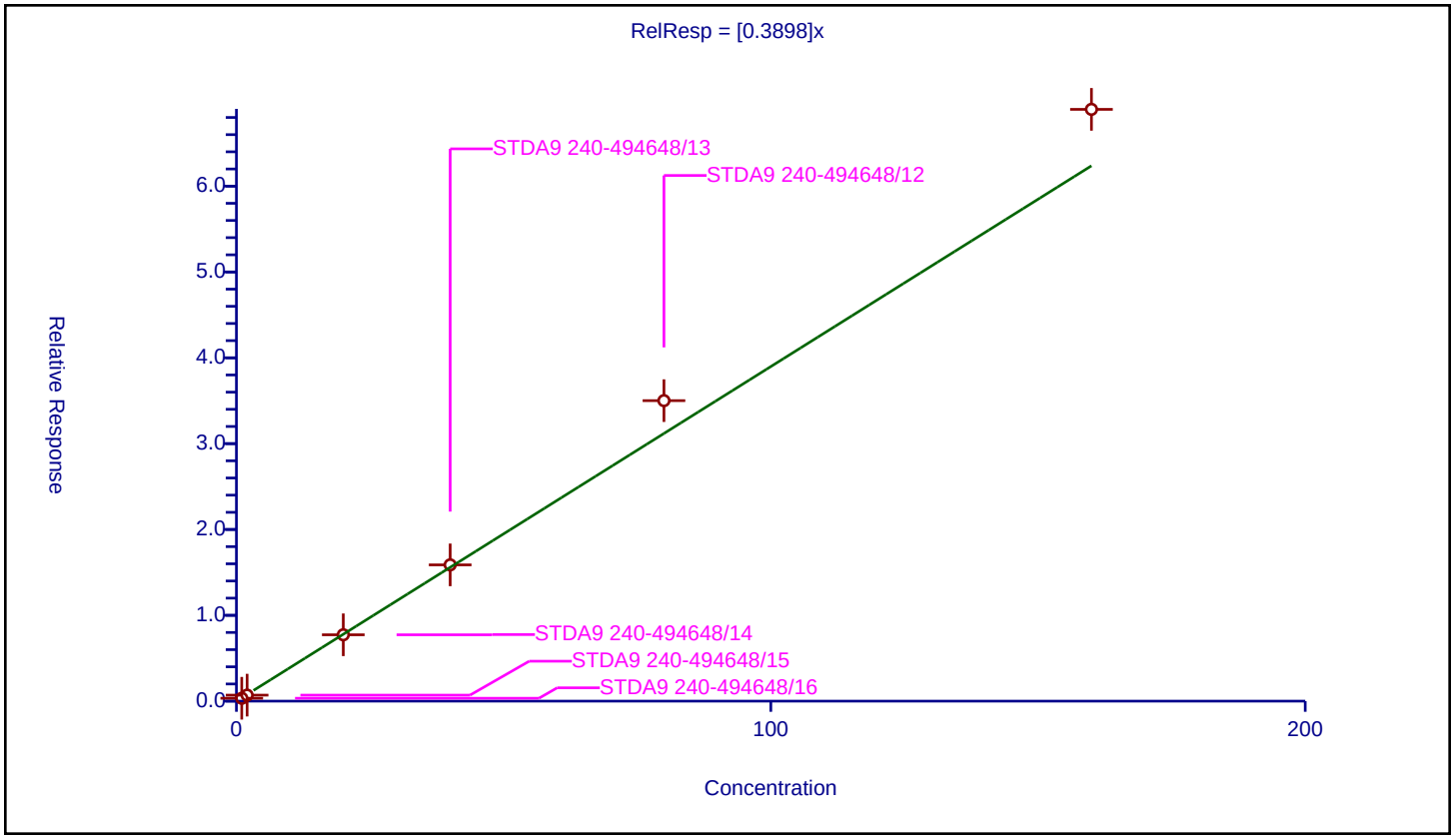
Curve Coefficients

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

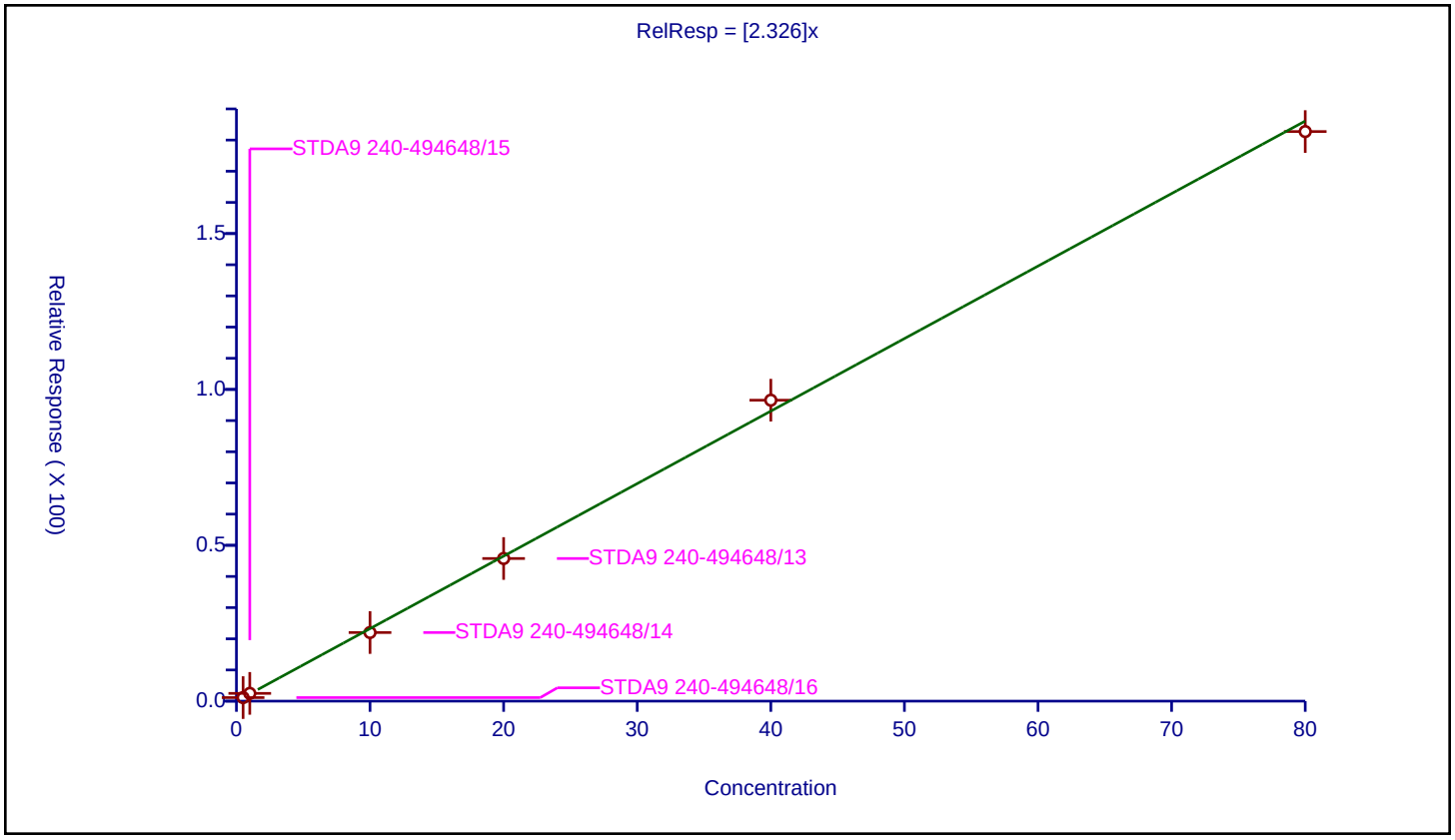
Curve Coefficients

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

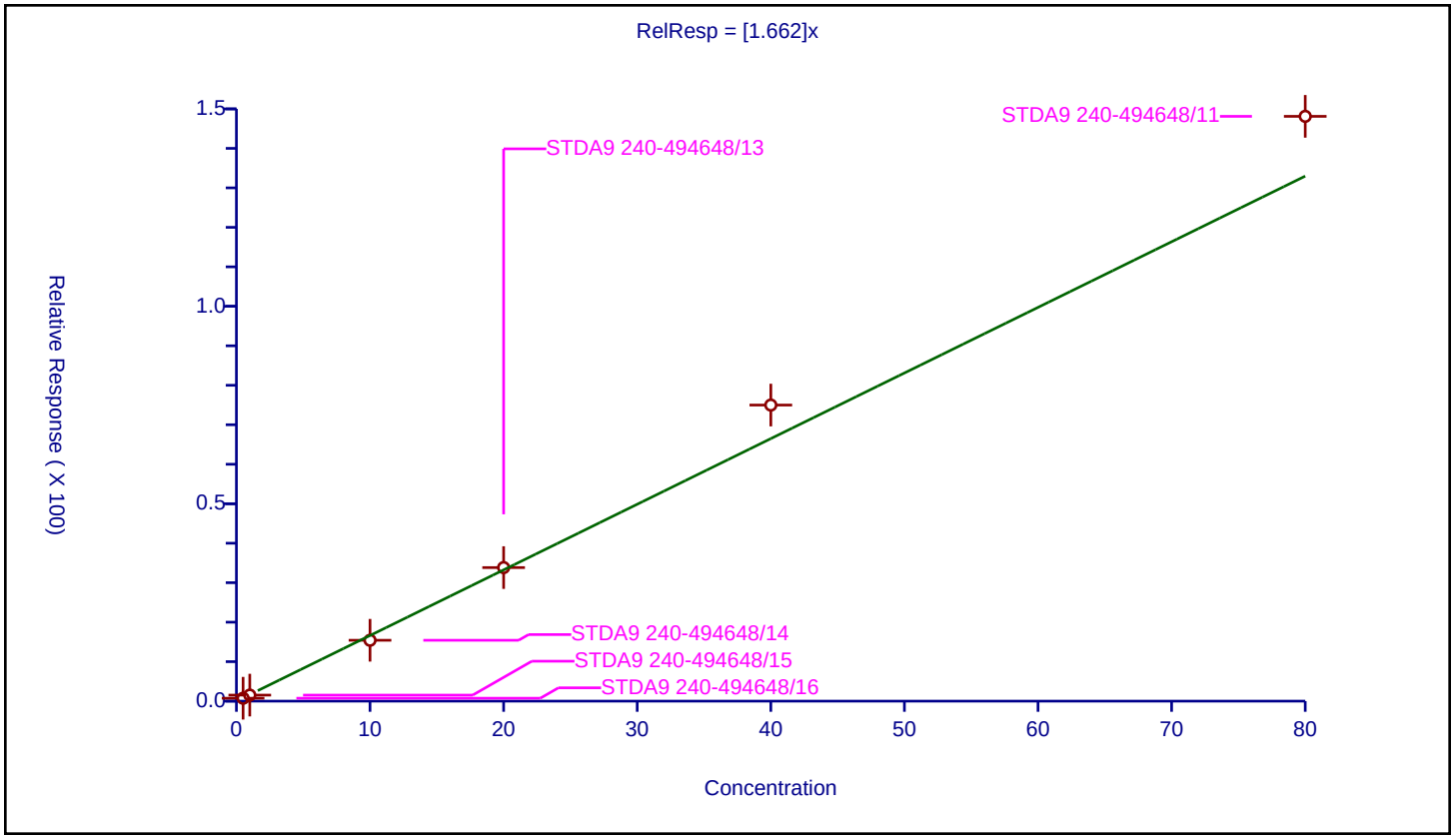
Curve Coefficients

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

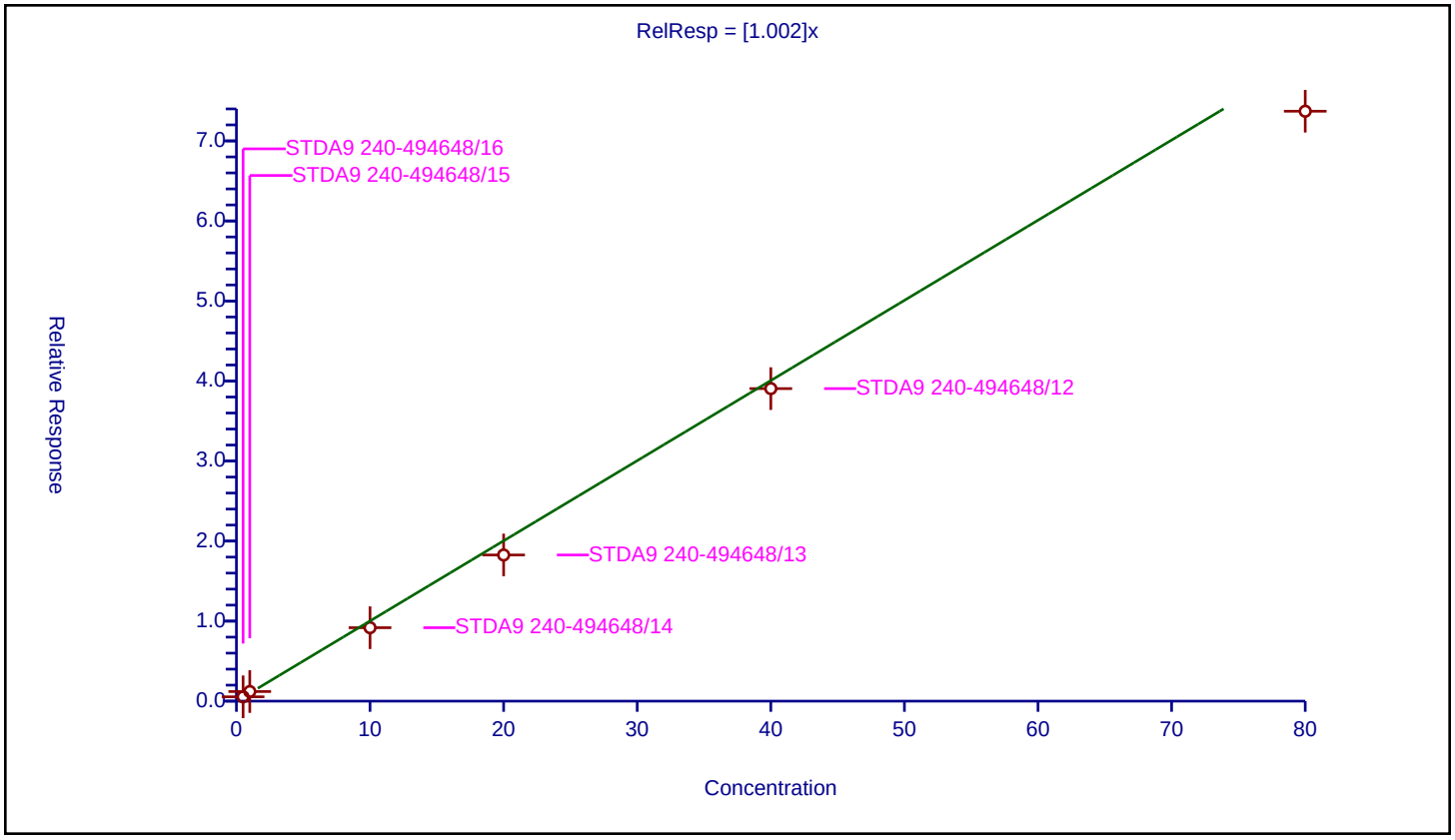
Curve Coefficients

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

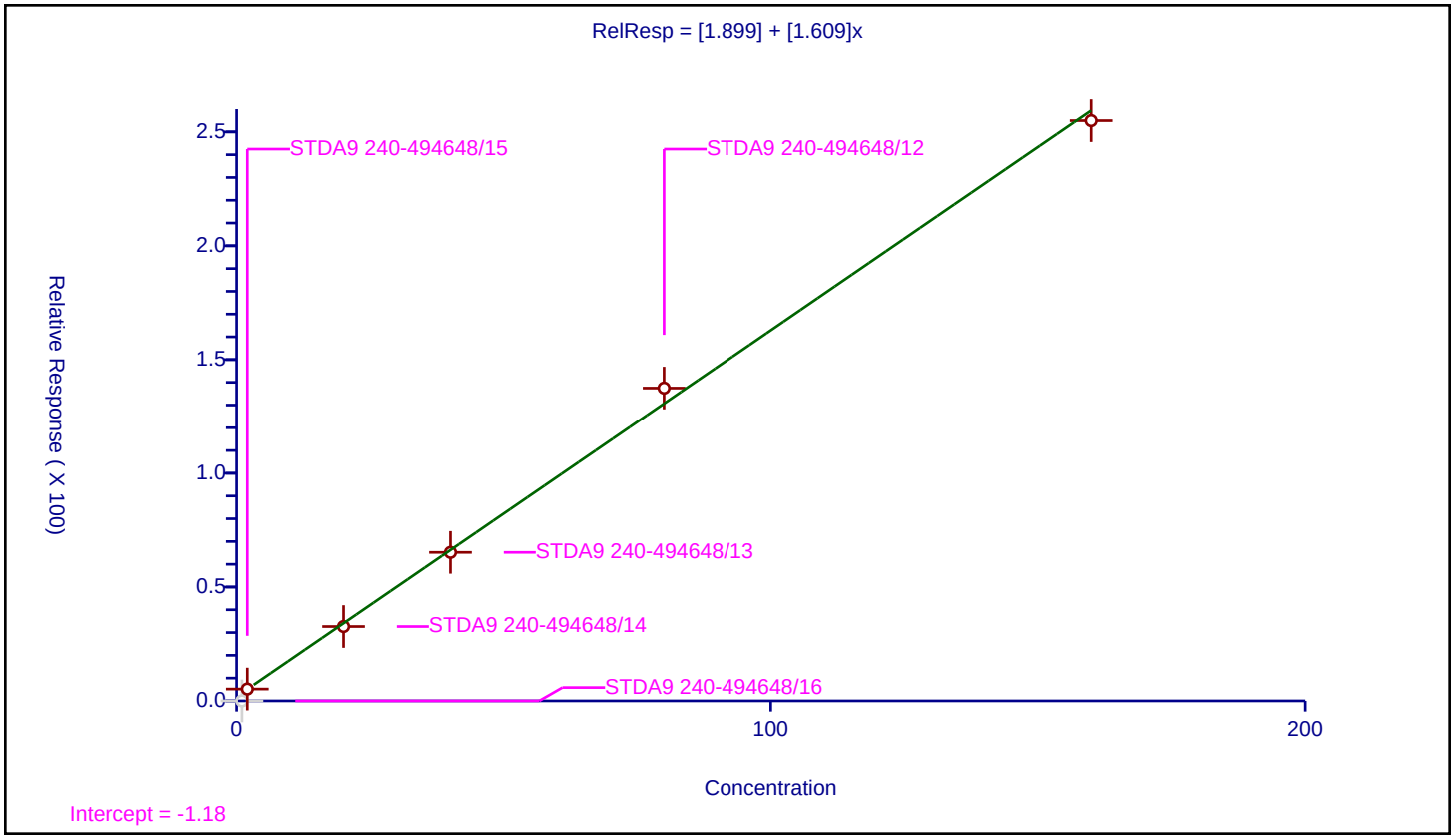
Curve Coefficients

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

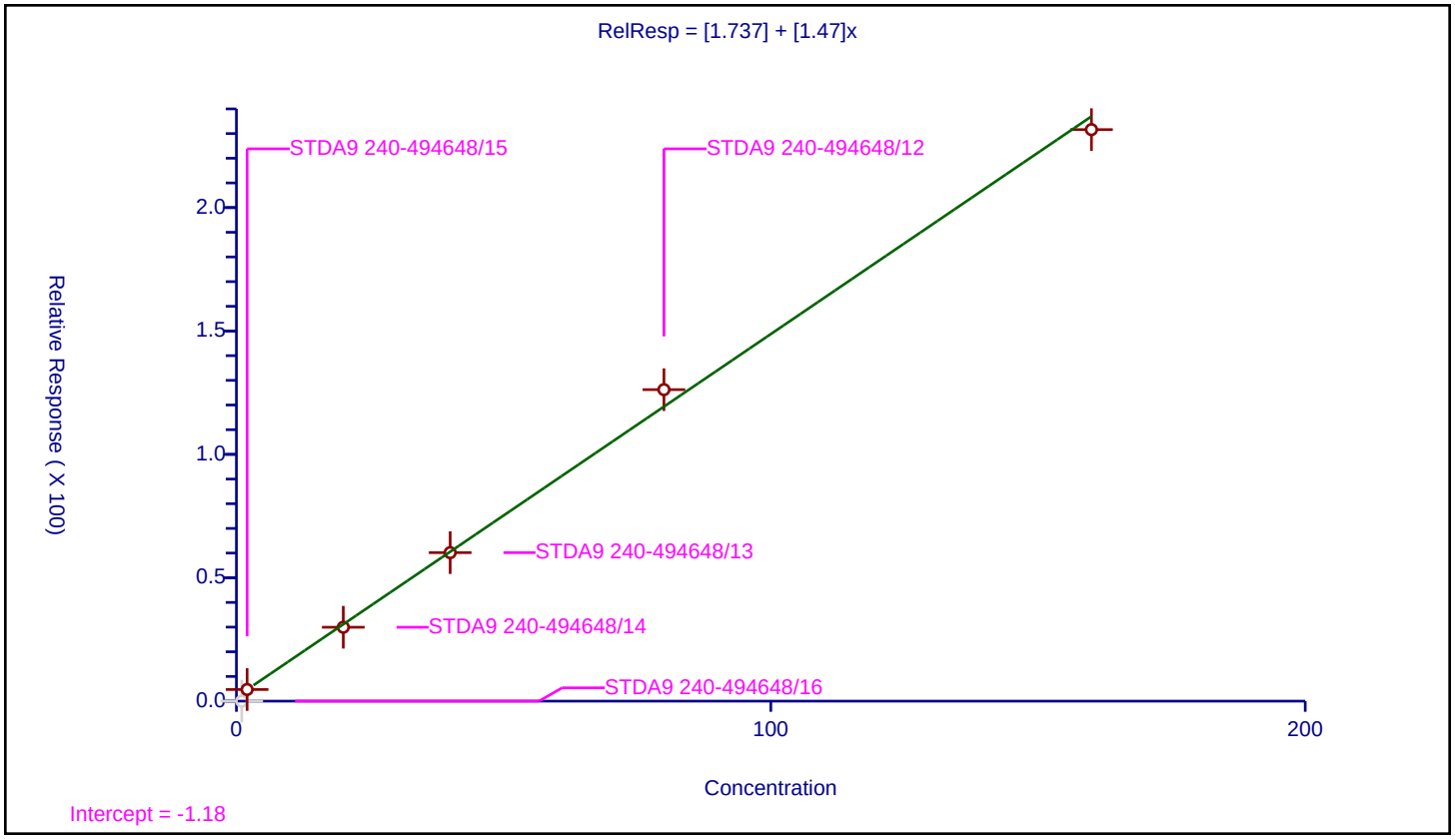
Curve Coefficients

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.: 240-156133-1 Analy Batch No.: 501424

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/27/2021 17:57 Calibration End Date: 08/27/2021 19:48 Calibration ID: 62590

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-501424/9	U1923841.d
Level 2	STD 240-501424/10	U1923842.d
Level 3	STD 240-501424/11	U1923843.d
Level 4	STD 240-501424/12	U1923844.d
Level 5	STD 240-501424/13	U1923845.d
Level 6	STD 240-501424/14	U1923846.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								
Tetrahydrothiophene	0.2187 0.2820	0.2387	0.2467	0.2775	0.2821	Ave		0.2576				10.4		20.0			
1,4-Dichlorobutane	0.4792 0.5000	0.4700	0.4805	0.4980	0.4994	Ave		0.4879				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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1 Analy Batch No.: 501424

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/27/2021 17:57 Calibration End Date: 08/27/2021 19:48 Calibration ID: 62590

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-501424/9	U1923841.d
Level 2	STD 240-501424/10	U1923842.d
Level 3	STD 240-501424/11	U1923843.d
Level 4	STD 240-501424/12	U1923844.d
Level 5	STD 240-501424/13	U1923845.d
Level 6	STD 240-501424/14	U1923846.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
Tetrahydrothiophene	CBNZ d5	Ave	6864 726245	72725	158114	344864	557440	1.05 84.4	10.5	21.1	42.2	63.3
1,4-Dichlorobutane	CBNZ d5	Ave	14258 1221035	135769	291965	586734	935679	1.00 80.0	10.0	20.0	40.0	60.0

Curve Type Legend
Ave = Average ISTD

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923841.d
Lims ID: std dupnt L1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 27-Aug-2021 17:57:17 ALS Bottle#: 0 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112629-009
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub12

Method: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 30-Aug-2021 13:52:08 Calib Date: 27-Aug-2021 19:48:52
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923846.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1656

First Level Reviewer: laveyt Date: 27-Aug-2021 18:23:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	758999	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.464	8.463	0.001	85	595080	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	95	314965	20.0	20.0	
80 Tetrahydrothiophene	60	7.954	7.954	0.000	90	6864	1.05	0.8954	
92 1,4-Dichlorobutane	55	9.436	9.436	0.000	94	14258	1.00	0.9822	

QC Flag Legend
Processing Flags

Reagents:
vm50is_stk_A_00009 Amount Added: 2.00 Units: uL
vmDCB_00025 Amount Added: 0.80 Units: uL
vmTHT std_00024 Amount Added: 0.80 Units: uL

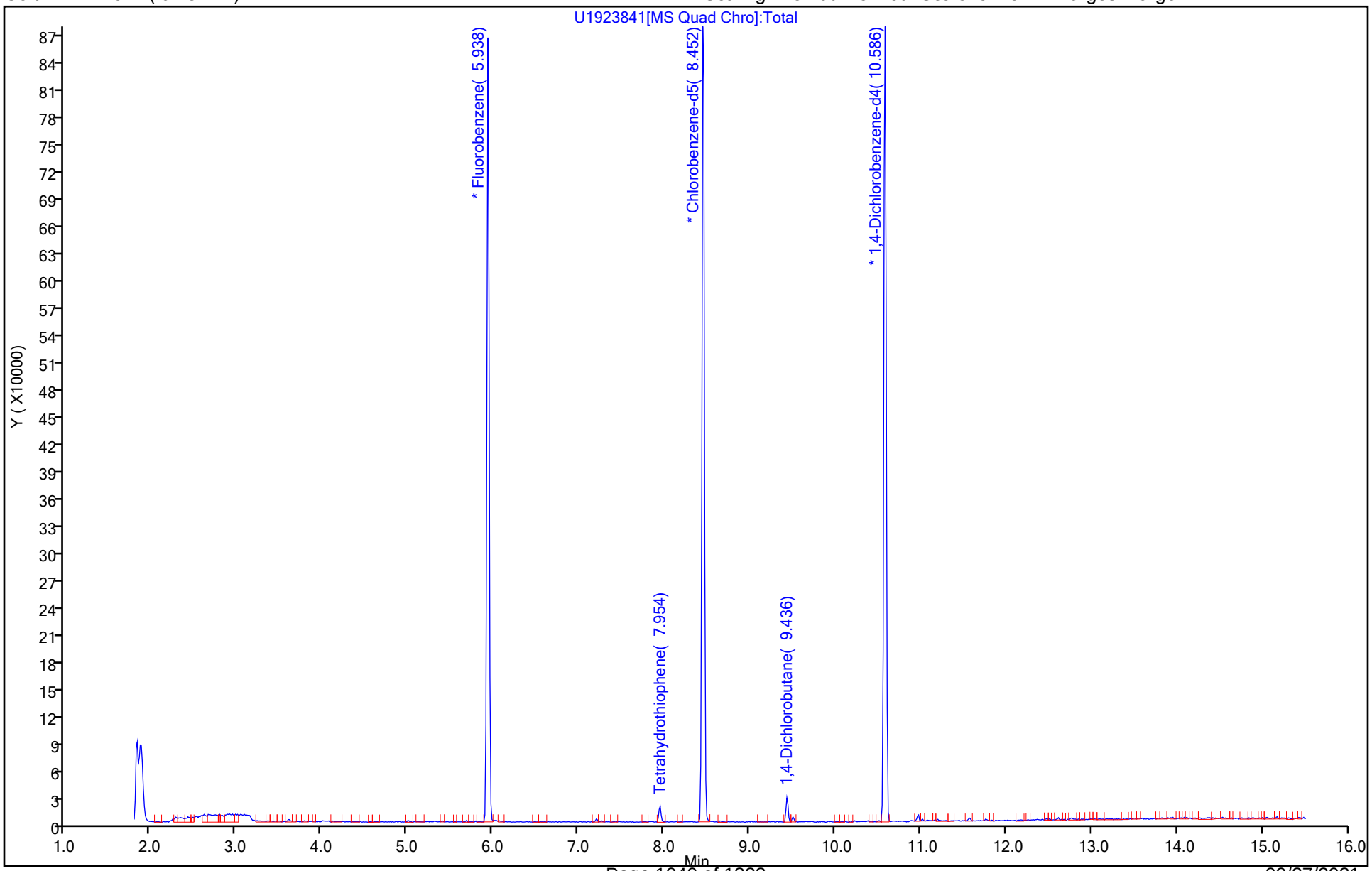
Report Date: 30-Aug-2021 13:52:09 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923841.d

Injection Date:	27-Aug-2021 17:57:17	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	std dupnt L1			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\20210827-112629.b\U1923842.d
Lims ID: std dupnt L2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 27-Aug-2021 18:19:38 ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112629-010
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub12

Method: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 30-Aug-2021 13:52:10 Calib Date: 27-Aug-2021 19:48:52
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923846.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1656

First Level Reviewer: laveyt Date: 27-Aug-2021 18:39:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	726619	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.464	8.463	0.001	85	577710	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	95	305314	20.0	20.0	
80 Tetrahydrothiophene	60	7.954	7.954	0.000	91	72725	10.5	9.77	
92 1,4-Dichlorobutane	55	9.436	9.436	0.000	97	135769	10.0	9.63	

QC Flag Legend
Processing Flags

Reagents:
vm50is_stk_A_00009 Amount Added: 2.00 Units: uL
vmDCB_00025 Amount Added: 8.00 Units: uL
vmTHT std_00024 Amount Added: 8.00 Units: uL

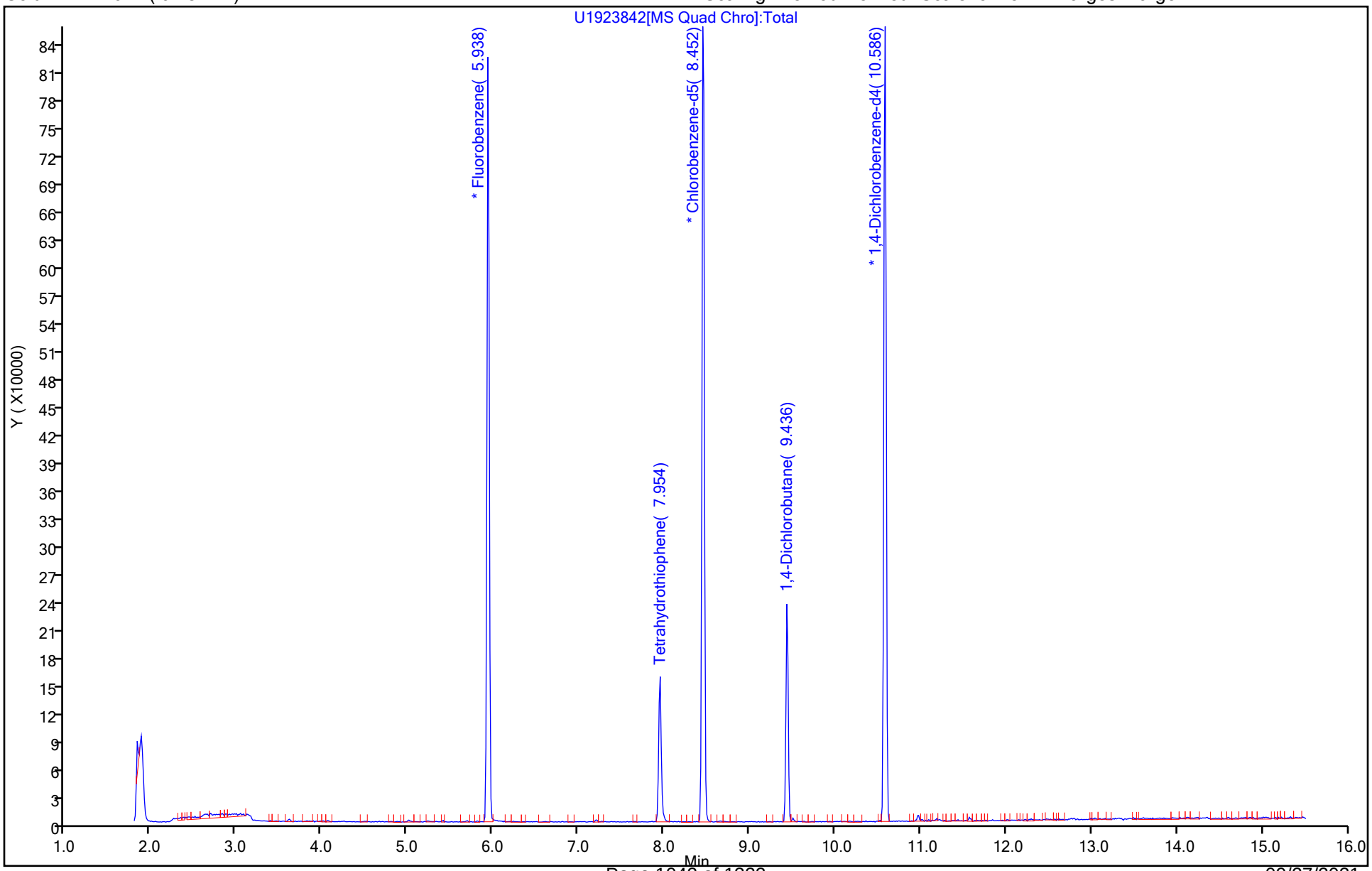
Report Date: 30-Aug-2021 13:52:11 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923842.d

Injection Date:	27-Aug-2021 18:19:38	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	std dupnt L2			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\20210827-112629.b\U1923843.d
Lims ID: std dupnt L3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 27-Aug-2021 18:41:47 ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112629-011
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub12

Method: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 30-Aug-2021 13:52:12 Calib Date: 27-Aug-2021 19:48:52
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923846.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1656

First Level Reviewer: laveyt Date: 27-Aug-2021 19:00:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.937	5.938	-0.001	99	759471	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.463	8.463	0.000	85	607649	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	95	323023	20.0	20.0	
80 Tetrahydrothiophene	60	7.953	7.954	-0.001	91	158114	21.1	20.2	
92 1,4-Dichlorobutane	55	9.436	9.436	0.000	97	291965	20.0	19.7	

QC Flag Legend
Processing Flags

Reagents:
vm50is_stk_A_00009 Amount Added: 2.00 Units: uL
vmDCB_00025 Amount Added: 16.00 Units: uL
vmTHT std_00024 Amount Added: 16.00 Units: uL

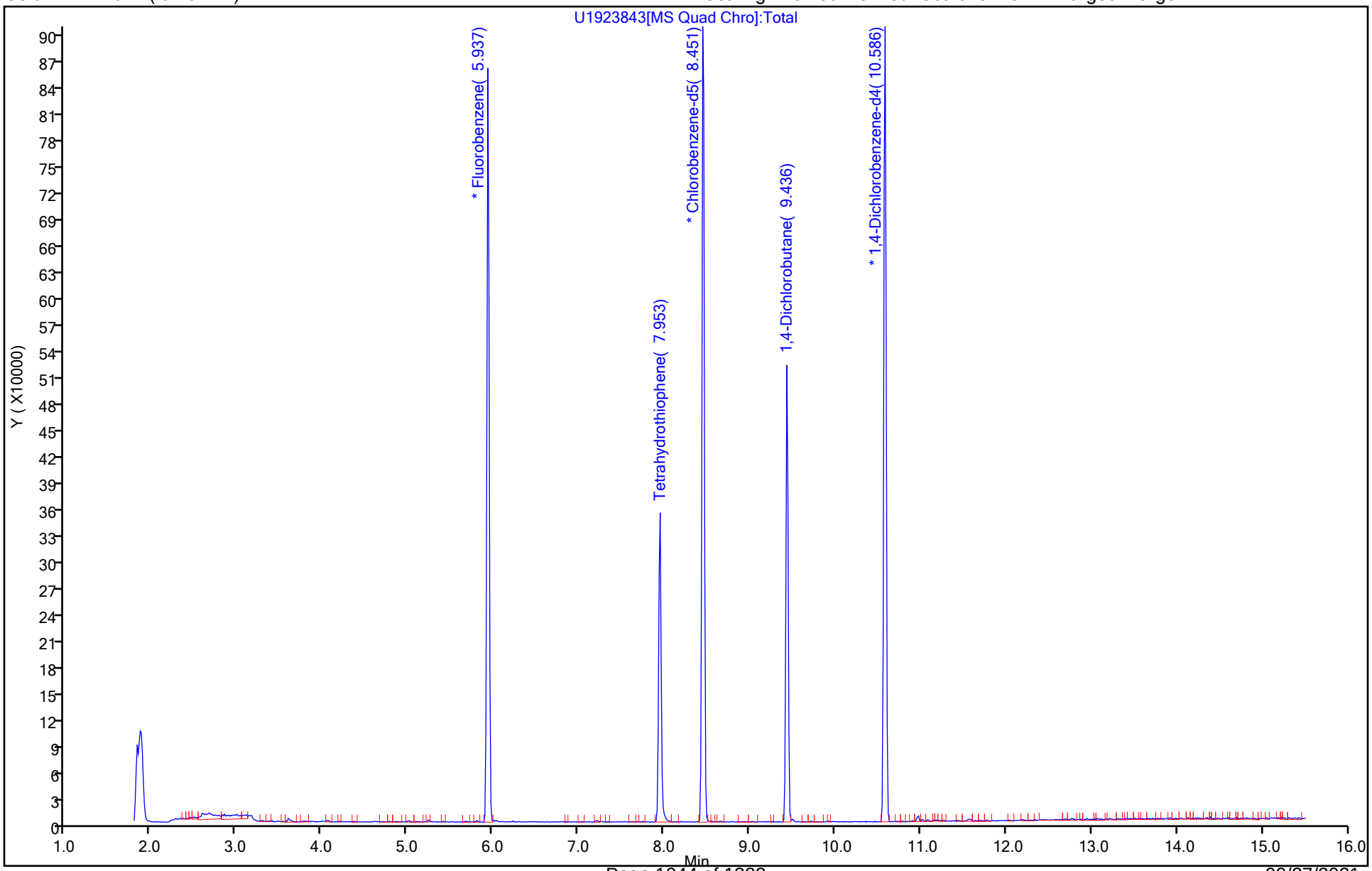
Report Date: 30-Aug-2021 13:52:13 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923843.d

Injection Date:	27-Aug-2021 18:41:47	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	std dupnt L3			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\20210827-112629.b\U1923844.d
Lims ID: std dupnt L4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 27-Aug-2021 19:04:10 ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112629-012
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub12

Method: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 30-Aug-2021 13:52:14 Calib Date: 27-Aug-2021 19:48:52
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923846.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1656

First Level Reviewer: laveyt Date: 30-Aug-2021 13:47:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	753114	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.463	8.463	0.000	86	589062	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	95	319188	20.0	20.0	
80 Tetrahydrothiophene	60	7.954	7.954	0.000	92	344864	42.2	45.4	
92 1,4-Dichlorobutane	55	9.436	9.436	0.000	97	586734	40.0	40.8	

QC Flag Legend
Processing Flags

Reagents:
vm50is_stk_A_00009 Amount Added: 2.00 Units: uL
vmDCB_00025 Amount Added: 32.00 Units: uL
vmTHT std_00024 Amount Added: 32.00 Units: uL

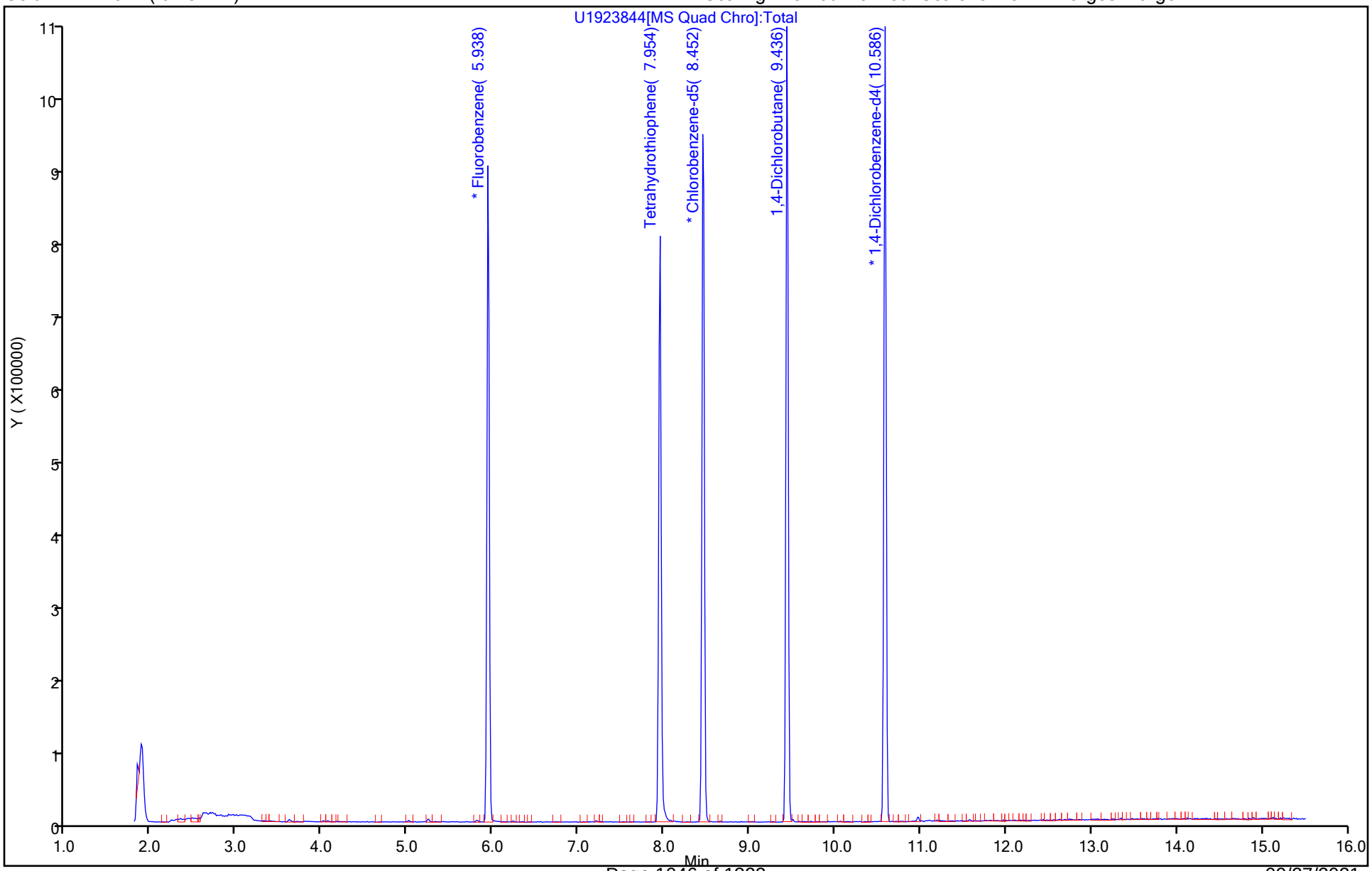
Report Date: 30-Aug-2021 13:52:14 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923844.d

Injection Date:	27-Aug-2021 19:04:10	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	std dupnt L4			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\20210827-112629.b\U1923845.d
Lims ID: std dupnt L5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 27-Aug-2021 19:26:43 ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112629-013
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub12

Method: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 30-Aug-2021 13:52:15 Calib Date: 27-Aug-2021 19:48:52
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923846.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1656

First Level Reviewer: laveyt Date: 30-Aug-2021 13:47:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	777980	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.452	8.463	-0.011	85	624476	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	95	329592	20.0	20.0	
80 Tetrahydrothiophene	60	7.954	7.954	0.000	91	557440	63.3	69.3	
92 1,4-Dichlorobutane	55	9.436	9.436	0.000	97	935679	60.0	61.4	

QC Flag Legend
Processing Flags

Reagents:
vm50is_stk_A_00009 Amount Added: 2.00 Units: uL
vmDCB_00025 Amount Added: 48.00 Units: uL
vmTHT std_00024 Amount Added: 48.00 Units: uL

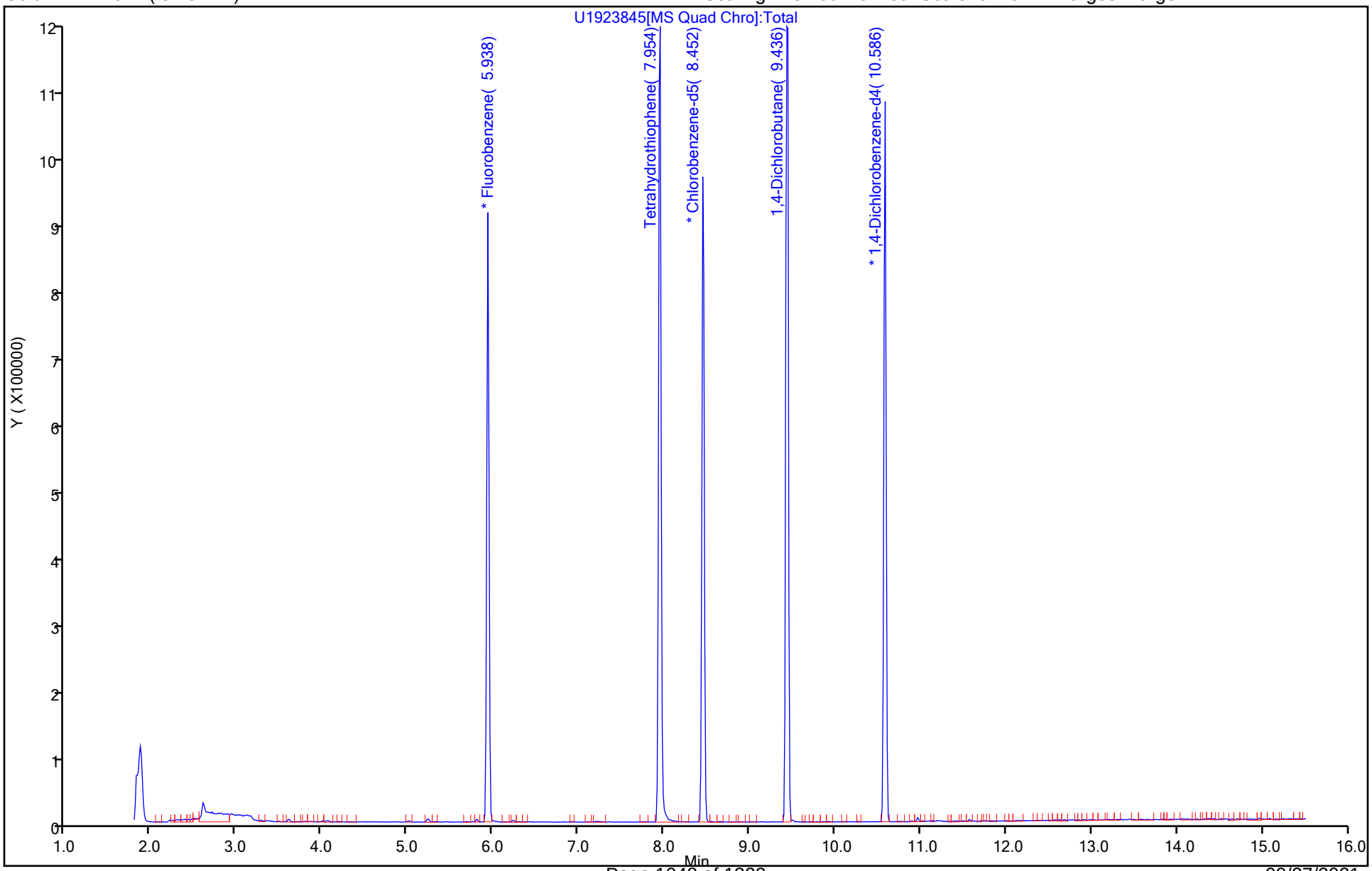
Report Date: 30-Aug-2021 13:52:16 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923845.d

Injection Date:	27-Aug-2021 19:26:43	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	std dupnt L5			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\20210827-112629.b\U1923846.d
Lims ID: std dupnt L6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 27-Aug-2021 19:48:52 ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112629-014
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub12

Method: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 30-Aug-2021 13:52:07 Calib Date: 27-Aug-2021 19:48:52
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923846.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1656

First Level Reviewer: laveyt Date: 30-Aug-2021 13:52:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	770134	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.452	8.463	-0.011	85	610549	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	94	322622	20.0	20.0	
80 Tetrahydrothiophene	60	7.954	7.954	0.000	91	726245	84.4	92.3	
92 1,4-Dichlorobutane	55	9.436	9.436	0.000	97	1221035	80.0	82.0	

QC Flag Legend
Processing Flags

Reagents:
vm50is_stk_A_00009 Amount Added: 2.00 Units: uL
vmDCB_00025 Amount Added: 64.00 Units: uL
vmTHT std_00024 Amount Added: 64.00 Units: uL

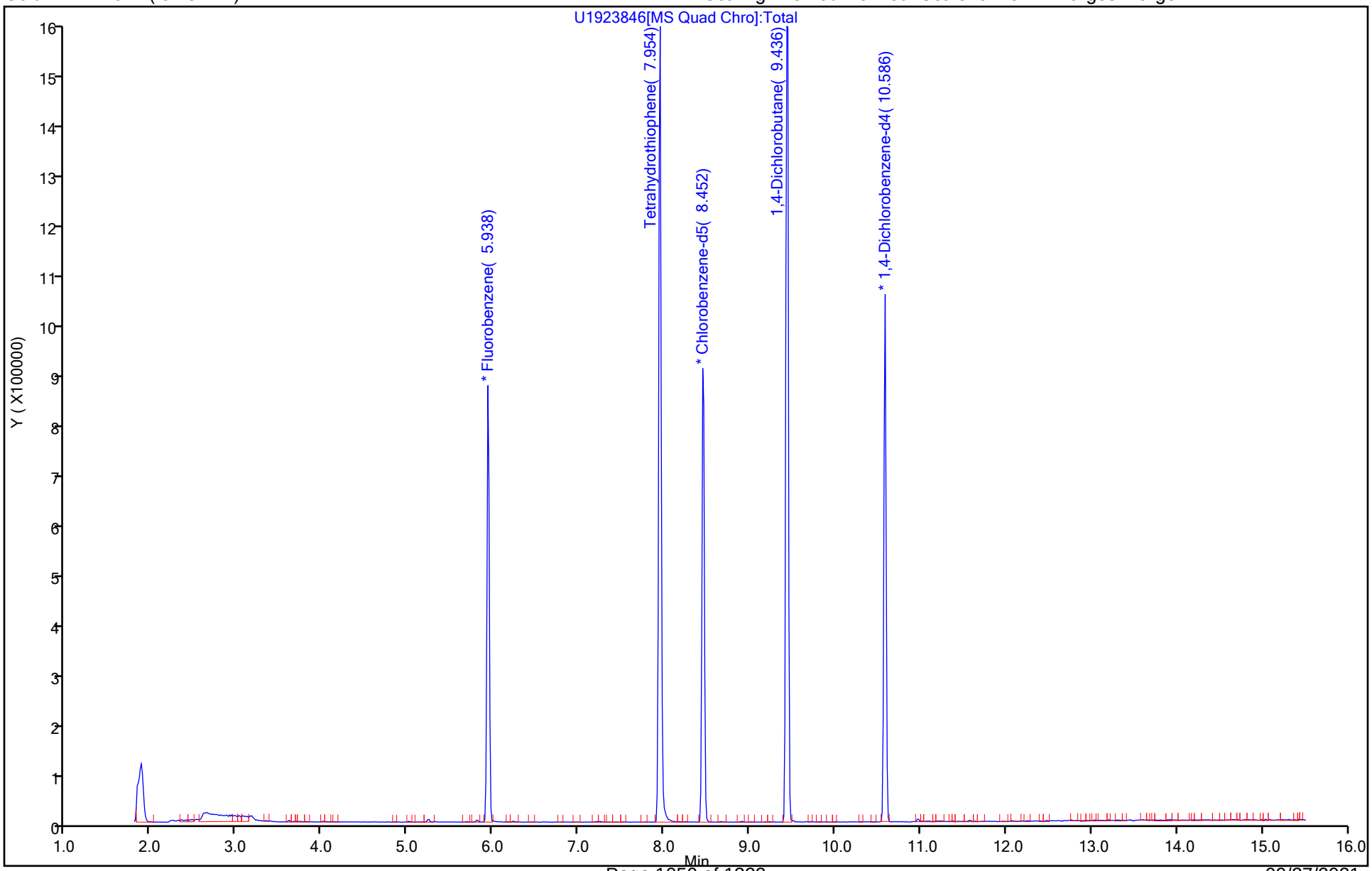
Report Date: 30-Aug-2021 13:52:07 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923846.d

Injection Date:	27-Aug-2021 19:48:52	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	std dupnt L6			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



Calibration / Tetrahydrothiophene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

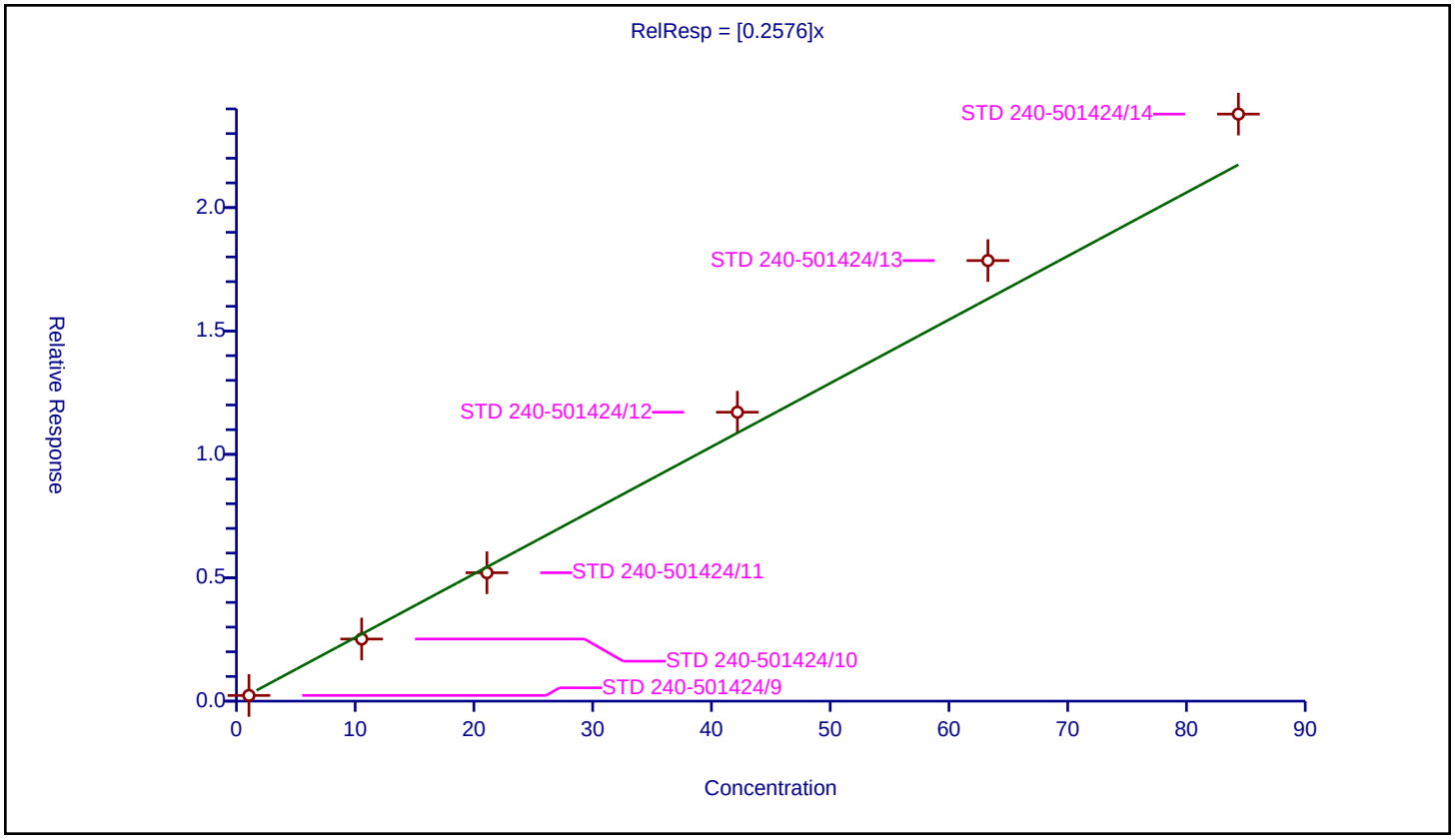
Curve Coefficients

Intercept:	0
Slope:	0.2576

Error Coefficients

Standard Error:	444000
Relative Standard Error:	10.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD 240-501424/9	1.0547	0.230692	20.0	595080.0	0.218727	Y
2	STD 240-501424/10	10.547	2.517699	20.0	577710.0	0.238712	Y
3	STD 240-501424/11	21.094	5.204123	20.0	607649.0	0.246711	Y
4	STD 240-501424/12	42.188	11.70892	20.0	589062.0	0.277541	Y
5	STD 240-501424/13	63.282	17.853048	20.0	624476.0	0.282119	Y
6	STD 240-501424/14	84.376	23.789901	20.0	610549.0	0.281951	Y



Calibration / 1,4-Dichlorobutane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

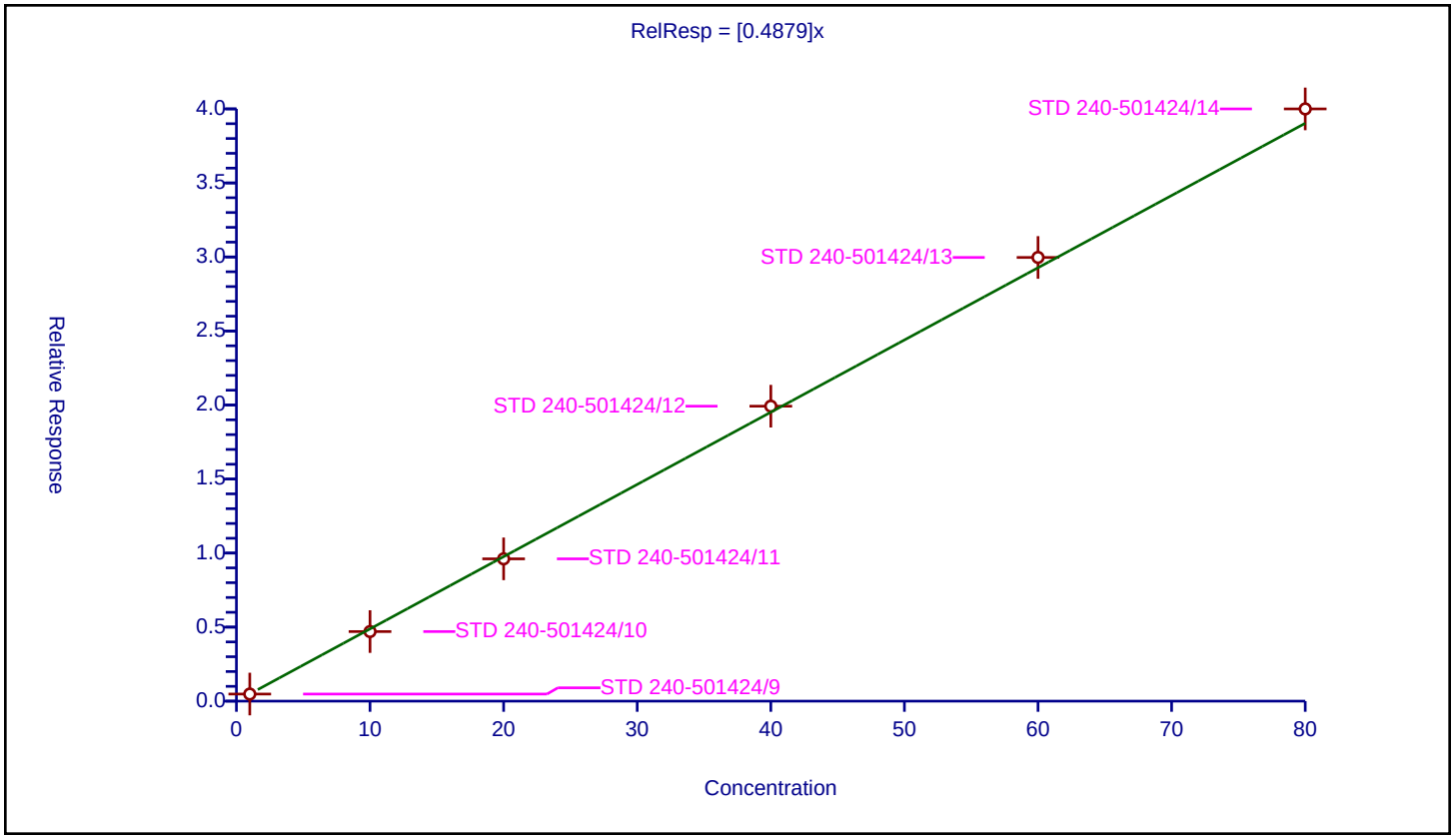
Curve Coefficients

Intercept:	0
Slope:	0.4879

Error Coefficients

Standard Error:	750000
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	STD 240-501424/9	1.0	0.479196	20.0	595080.0	0.479196	Y
2	STD 240-501424/10	10.0	4.700248	20.0	577710.0	0.470025	Y
3	STD 240-501424/11	20.0	9.60966	20.0	607649.0	0.480483	Y
4	STD 240-501424/12	40.0	19.920959	20.0	589062.0	0.498024	Y
5	STD 240-501424/13	60.0	29.966852	20.0	624476.0	0.499448	Y
6	STD 240-501424/14	80.0	39.997936	20.0	610549.0	0.499974	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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.: 240-156133-1

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.: 240-156133-1

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

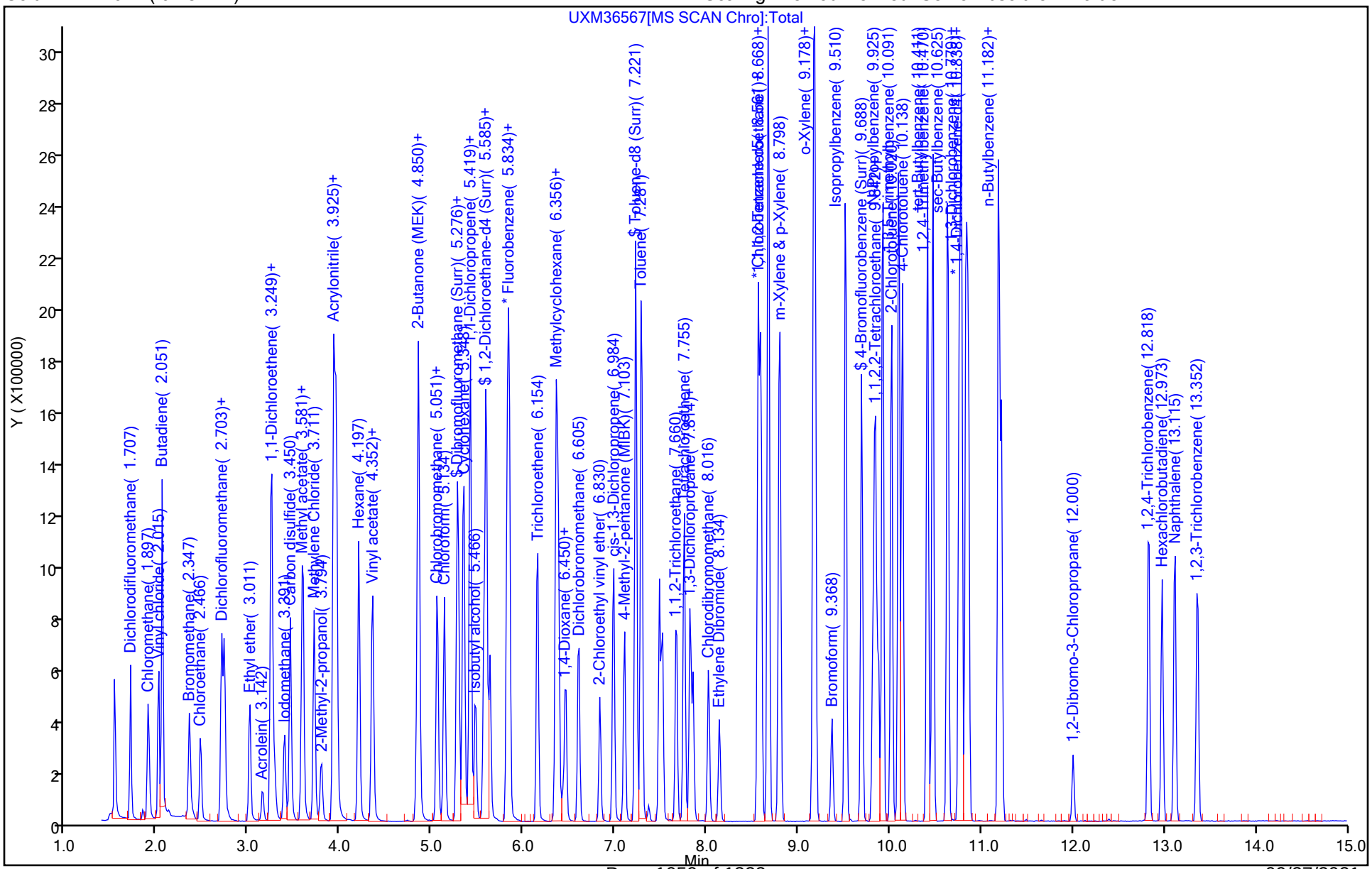
Report Date: 26-Apr-2021 08:38:51 Chrom Revision: 2.3 08-Apr-2021 17:17:48

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.: 240-156133-1

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

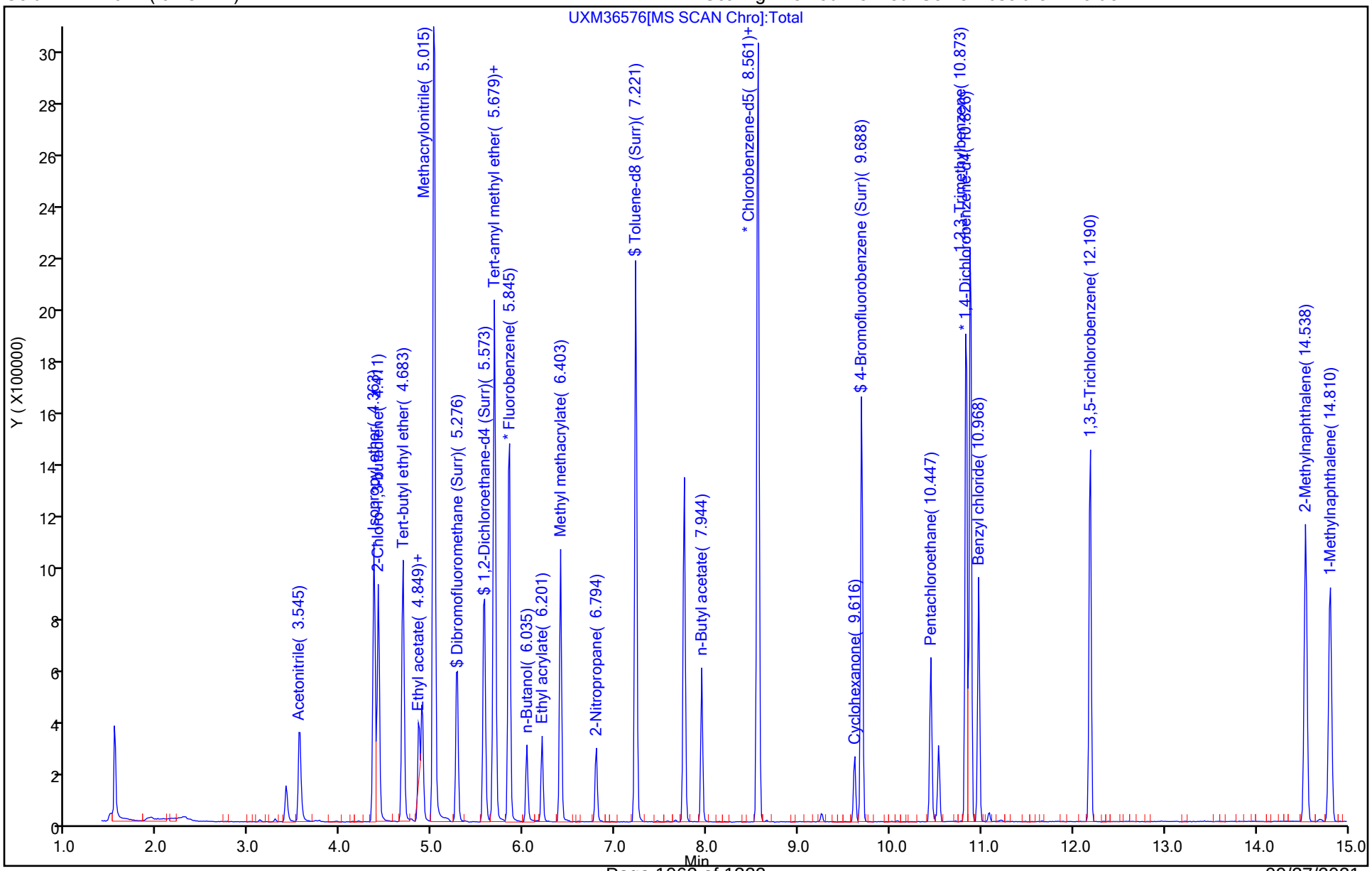
Report Date: 26-Apr-2021 08:39:01 Chrom Revision: 2.3 08-Apr-2021 17:17:48

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.: 240-156133-1

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

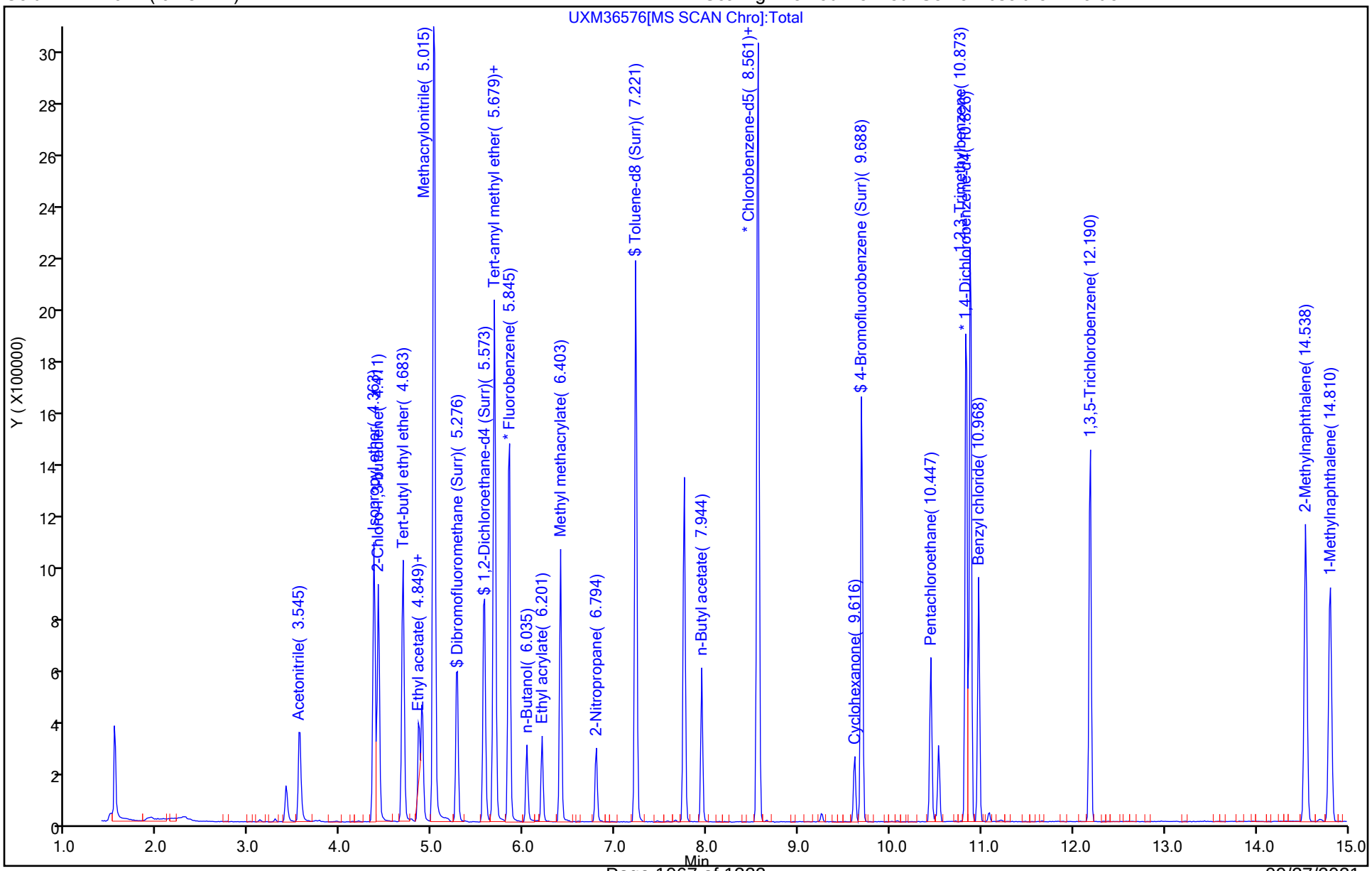
Report Date: 26-Apr-2021 08:39:01 Chrom Revision: 2.3 08-Apr-2021 17:17:48

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.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-504263/3 Calibration Date: 09/18/2021 10:15

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: UXM39871.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	0.3966	0.1000	0.0221	0.0200	10.3	20.0
Chloromethane	Ave	0.3711	0.3114	0.1000	0.0168	0.0200	-16.1	20.0
Vinyl chloride	Ave	0.3683	0.3115	0.1000	0.0169	0.0200	-15.4	20.0
Butadiene	Ave	0.3577	0.2890		0.0162	0.0200	-19.2	20.0
Bromomethane	Lin1		0.1722	0.0500	0.0165	0.0200	-17.3	20.0
Chloroethane	Ave	0.2067	0.1961	0.0500	0.0190	0.0200	-5.1	20.0
Dichlorofluoromethane	Ave	0.4696	0.4647		0.0198	0.0200	-1.0	20.0
Trichlorofluoromethane	Ave	0.4002	0.4457	0.1000	0.0223	0.0200	11.4	20.0
Ethyl ether	Ave	0.1785	0.1714		0.0192	0.0200	-4.0	20.0
Acrolein	Ave	0.0109	0.0216		0.197	0.100	97.4*	20.0
1,1-Dichloroethene	Ave	0.2222	0.2307	0.1000	0.0208	0.0200	3.8	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.1731	0.1955	0.0500	0.0226	0.0200	13.0	20.0
Acetone	Lin1		0.0195	0.0100	0.0414	0.0400	3.6	50.0
Iodomethane	Ave	0.2949	0.2675		0.0181	0.0200	-9.3	20.0
Carbon disulfide	Ave	0.7278	0.7054	0.1000	0.0194	0.0200	-3.1	20.0
Methyl acetate	Ave	0.1657	0.1309	0.1000	0.0316	0.0400	-21.0	50.0
3-Chloro-1-propene	Ave	0.3878	0.2485		0.0128	0.0200	-35.9*	20.0
Methylene Chloride	Ave	0.2633	0.2598	0.1000	0.0197	0.0200	-1.3	50.0
tert-Butyl alcohol	Ave	0.0219	0.0058		0.0532	0.200	-73.4*	20.0
Acrylonitrile	Ave	0.0908	0.0822		0.181	0.200	-9.6	20.0
Methyl tert-butyl ether	Ave	0.6160	0.5684	0.1000	0.0185	0.0200	-7.7	20.0
trans-1,2-Dichloroethene	Ave	0.2664	0.2649	0.1000	0.0199	0.0200	-0.6	20.0
Hexane	Ave	0.3512	0.3736		0.0213	0.0200	6.4	20.0
Vinyl acetate	Lin1		0.2975		0.0198	0.0200	-0.9	20.0
1,1-Dichloroethane	Ave	0.4687	0.4205	0.2000	0.0179	0.0200	-10.3	20.0
2-Butanone	Ave	0.0236	0.0247	0.0100	0.0419	0.0400	4.8	50.0
2,2-Dichloropropane	Ave	0.4110	0.2529		0.0123	0.0200	-38.5*	20.0
cis-1,2-Dichloroethene	Ave	0.2958	0.2846	0.1000	0.0192	0.0200	-3.8	20.0
Bromochloromethane	Ave	0.1306	0.1302		0.0199	0.0200	-0.3	20.0
Tetrahydrofuran	Ave	0.0672	0.0587		0.0349	0.0400	-12.7	20.0
Chloroform	Ave	0.4573	0.4422	0.2000	0.0193	0.0200	-3.3	20.0
1,1,1-Trichloroethane	Ave	0.3941	0.3932	0.1000	0.0200	0.0200	-0.2	20.0
Cyclohexane	Ave	0.4354	0.4409	0.1000	0.0203	0.0200	1.3	20.0
1,1-Dichloropropene	Ave	0.3399	0.3593		0.0211	0.0200	5.7	20.0
Carbon tetrachloride	Ave	0.3235	0.3273	0.1000	0.0202	0.0200	1.2	20.0
Isobutyl alcohol	Ave	0.0069	0.0059		0.422	0.500	-15.6	20.0
Benzene	Ave	1.010	1.013	0.5000	0.0200	0.0200	0.2	20.0
1,2-Dichloroethane	Ave	0.3364	0.3368	0.1000	0.0200	0.0200	0.1	20.0
n-Heptane	Lin1		0.2217		0.0205	0.0200	2.4	20.0
Trichloroethene	Ave	0.2625	0.2806	0.1500	0.0214	0.0200	6.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-504263/3 Calibration Date: 09/18/2021 10:15

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: UXM39871.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	0.4811	0.1000	0.0217	0.0200	8.4	20.0
1,2-Dichloropropane	Ave	0.2382	0.2346	0.1000	0.0197	0.0200	-1.5	20.0
1,4-Dioxane	Ave	0.0029	0.0027		0.371	0.400	-7.3	50.0
Dibromomethane	Ave	0.1462	0.1395		0.0191	0.0200	-4.6	20.0
Bromodichloromethane	Ave	0.3399	0.3079	0.1500	0.0181	0.0200	-9.4	20.0
2-Chloroethyl vinyl ether	Ave	0.1366	0.0922		0.0270	0.0400	-32.5*	20.0
cis-1,3-Dichloropropene	Ave	0.3924	0.3728	0.1500	0.0190	0.0200	-5.0	50.0
4-Methyl-2-pentanone	Ave	0.1797	0.1546	0.0500	0.0344	0.0400	-14.0	50.0
Toluene	Ave	1.432	1.425	0.4000	0.0199	0.0200	-0.5	20.0
trans-1,3-Dichloropropene	Ave	0.4496	0.4123	0.1000	0.0183	0.0200	-8.3	20.0
Ethyl methacrylate	Ave	0.3544	0.3208		0.0181	0.0200	-9.5	20.0
1,1,2-Trichloroethane	Ave	0.2444	0.2507	0.1000	0.0205	0.0200	2.5	20.0
Tetrachloroethene	Ave	0.2661	0.2821	0.1500	0.0212	0.0200	6.0	20.0
1,3-Dichloropropane	Ave	0.4464	0.4626		0.0207	0.0200	3.6	20.0
2-Hexanone	Ave	0.1652	0.1373	0.0500	0.0332	0.0400	-16.9	50.0
Dibromochloromethane	Ave	0.2822	0.2619		0.0186	0.0200	-7.2	20.0
1,2-Dibromoethane	Ave	0.2435	0.2613		0.0215	0.0200	7.3	20.0
Chlorobenzene	Ave	0.9137	0.9207	0.3000	0.0202	0.0200	0.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2841	0.2933		0.0207	0.0200	3.3	20.0
Ethylbenzene	Ave	0.5176	0.5192		0.0201	0.0200	0.3	20.0
m-Xylene & p-Xylene	Ave	0.6543	0.6515		0.0199	0.0200	-0.4	20.0
o-Xylene	Ave	0.6167	0.6184		0.0201	0.0200	0.3	20.0
Styrene	Ave	0.9433	1.039	0.3000	0.0220	0.0200	10.2	20.0
Bromoform	Ave	0.1723	0.1541	0.1000	0.0179	0.0200	-10.6	20.0
Isopropylbenzene	Ave	1.619	1.653	0.1000	0.0204	0.0200	2.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5537	0.5469	0.3000	0.0198	0.0200	-1.2	20.0
Bromobenzene	Ave	0.6628	0.6617		0.0200	0.0200	-0.2	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1878	0.1380		0.0147	0.0200	-26.5*	20.0
1,2,3-Trichloropropane	Ave	0.1809	0.1821		0.0201	0.0200	0.7	20.0
n-Propylbenzene	Ave	0.8496	0.8430		0.0198	0.0200	-0.8	20.0
2-Chlorotoluene	Ave	0.6884	0.6917		0.0201	0.0200	0.5	20.0
1,3,5-Trimethylbenzene	Ave	2.541	2.512		0.0198	0.0200	-1.1	20.0
4-Chlorotoluene	Ave	0.7179	0.7172		0.0200	0.0200	-0.0	20.0
tert-Butylbenzene	Ave	2.190	2.164		0.0198	0.0200	-1.2	20.0
1,2,4-Trimethylbenzene	Ave	2.572	2.524		0.0196	0.0200	-1.9	20.0
sec-Butylbenzene	Ave	3.284	3.254		0.0198	0.0200	-0.9	20.0
1,3-Dichlorobenzene	Ave	1.327	1.342	0.6000	0.0202	0.0200	1.1	20.0
p-Isopropyltoluene	Ave	2.798	2.838		0.0203	0.0200	1.4	20.0
1,4-Dichlorobenzene	Ave	1.331	1.337	0.5000	0.0201	0.0200	0.4	20.0
n-Butylbenzene	Ave	2.529	2.474		0.0196	0.0200	-2.2	20.0
1,2-Dichlorobenzene	Ave	1.229	1.202	0.4000	0.0196	0.0200	-2.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-504263/3 Calibration Date: 09/18/2021 10:15

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: UXM39871.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	0.1096	0.0500	0.0168	0.0200	-15.9	50.0
1,2,4-Trichlorobenzene	Ave	0.7137	0.6486	0.2000	0.0182	0.0200	-9.1	50.0
Hexachlorobutadiene	Ave	0.3214	0.3045		0.0189	0.0200	-5.3	50.0
Naphthalene	Ave	1.813	1.597		0.0176	0.0200	-11.9	50.0
1,2,3-Trichlorobenzene	Ave	0.6054	0.5444		0.0180	0.0200	-10.1	20.0
Dibromofluoromethane (Surr)	Ave	0.2427	0.2276		0.0213	0.0227	-6.3	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2866	0.2650		0.0210	0.0227	-7.5	20.0
Toluene-d8 (Surr)	Ave	1.219	1.152		0.0214	0.0227	-5.5	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4689	0.4744		0.0229	0.0227	1.2	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\UXM39871.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 18-Sep-2021 10:15:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113269-003
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub69

Method: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 18-Sep-2021 10:43:17 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: CTX1668

First Level Reviewer: bosworthh Date: 18-Sep-2021 10:43:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.846	5.846	0.000	99	1238472	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	86	968393	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	545770	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.264	5.264	0.000	94	319597	22.7	21.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	372124	22.7	21.0	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	92	1265243	22.7	21.4	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	89	520939	22.7	22.9	
9 Dichlorodifluoromethane	85	1.707	1.707	0.000	99	491181	20.0	22.1	
10 Chloromethane	50	1.897	1.897	0.000	99	385680	20.0	16.8	
11 Vinyl chloride	62	2.015	2.015	0.000	98	385782	20.0	16.9	
12 Butadiene	54	2.051	2.051	0.000	95	357857	20.0	16.2	
13 Bromomethane	94	2.347	2.347	0.000	90	213294	20.0	16.5	
14 Chloroethane	64	2.478	2.478	0.000	99	242911	20.0	19.0	
15 Dichlorofluoromethane	67	2.703	2.703	0.000	97	575535	20.0	19.8	
16 Trichlorofluoromethane	101	2.727	2.727	0.000	98	552023	20.0	22.3	
17 Ethyl ether	59	2.999	2.999	0.000	89	212263	20.0	19.2	
18 Acrolein	56	3.142	3.142	0.000	100	133739	100.0	197.4	
19 1,1-Dichloroethene	96	3.237	3.237	0.000	98	285737	20.0	20.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.249	3.249	0.000	90	242112	20.0	22.6	
21 Acetone	58	3.284	3.284	0.000	100	48310	40.0	41.4	
23 Iodomethane	142	3.391	3.391	0.000	97	331279	20.0	18.1	
24 Carbon disulfide	76	3.450	3.450	0.000	99	873668	20.0	19.4	
27 Methyl acetate	43	3.569	3.569	0.000	96	324297	40.0	31.6	
26 3-Chloro-1-propene	41	3.581	3.581	0.000	90	307699	20.0	12.8	
28 Methylene Chloride	84	3.711	3.711	0.000	87	321782	20.0	19.7	
29 2-Methyl-2-propanol	59	3.782	3.782	0.000	100	72263	200.0	53.2	
30 Acrylonitrile	53	3.924	3.924	0.000	99	1017504	200.0	180.9	
31 Methyl tert-butyl ether	73	3.936	3.936	0.000	94	703980	20.0	18.5	
32 trans-1,2-Dichloroethene	96	3.948	3.948	0.000	98	328088	20.0	19.9	
33 Hexane	57	4.197	4.197	0.000	90	462682	20.0	21.3	
35 Vinyl acetate	43	4.340	4.340	0.000	97	368418	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
34 1,1-Dichloroethane	63	4.351	4.351	0.000	96	520730	20.0	17.9	
40 2-Butanone (MEK)	72	4.826	4.826	0.000	98	61152	40.0	41.9	
39 cis-1,2-Dichloroethene	96	4.849	4.849	0.000	80	352430	20.0	19.2	
41 2,2-Dichloropropane	77	4.849	4.849	0.000	89	313187	20.0	12.3	
45 Chlorobromomethane	128	5.051	5.051	0.000	91	161247	20.0	19.9	
46 Tetrahydrofuran	42	5.063	5.063	0.000	86	145474	40.0	34.9	
47 Chloroform	83	5.134	5.134	0.000	93	547618	20.0	19.3	
48 1,1,1-Trichloroethane	97	5.288	5.288	0.000	99	486993	20.0	20.0	
49 Cyclohexane	56	5.336	5.336	0.000	88	546029	20.0	20.3	
51 Carbon tetrachloride	117	5.419	5.419	0.000	88	405403	20.0	20.2	
50 1,1-Dichloropropene	75	5.419	5.419	0.000	96	445031	20.0	21.1	
52 Isobutyl alcohol	41	5.478	5.478	0.000	95	181594	500.0	422.1	
54 Benzene	78	5.585	5.585	0.000	96	1254080	20.0	20.0	
53 1,2-Dichloroethane	62	5.632	5.632	0.000	98	417128	20.0	20.0	
56 n-Heptane	57	5.822	5.822	0.000	95	274513	20.0	20.5	
58 Trichloroethene	130	6.154	6.154	0.000	97	347469	20.0	21.4	
60 Methylcyclohexane	83	6.355	6.355	0.000	90	595876	20.0	21.7	
61 1,2-Dichloropropane	63	6.379	6.379	0.000	95	290602	20.0	19.7	
64 1,4-Dioxane	88	6.427	6.427	0.000	91	66076	400.0	371.0	
63 Dibromomethane	93	6.450	6.450	0.000	95	172726	20.0	19.1	
65 Dichlorobromomethane	83	6.604	6.604	0.000	100	381300	20.0	18.1	
67 2-Chloroethyl vinyl ether	63	6.830	6.830	0.000	93	228486	40.0	27.0	
68 cis-1,3-Dichloropropene	75	6.984	6.984	0.000	96	461652	20.0	19.0	
69 4-Methyl-2-pentanone (MIBK)	43	7.103	7.103	0.000	94	382911	40.0	34.4	
70 Toluene	91	7.280	7.280	0.000	98	1379927	20.0	19.9	
71 trans-1,3-Dichloropropene	75	7.482	7.482	0.000	92	399228	20.0	18.3	
72 Ethyl methacrylate	69	7.518	7.518	0.000	88	310654	20.0	18.1	
73 1,1,2-Trichloroethane	97	7.672	7.672	0.000	90	242737	20.0	20.5	
75 Tetrachloroethene	164	7.755	7.755	0.000	98	273163	20.0	21.2	
74 1,3-Dichloropropane	76	7.814	7.814	0.000	88	447975	20.0	20.7	
76 2-Hexanone	43	7.850	7.850	0.000	93	265988	40.0	33.2	
78 Chlorodibromomethane	129	8.016	8.016	0.000	90	253636	20.0	18.6	
80 Ethylene Dibromide	107	8.134	8.134	0.000	98	253040	20.0	21.5	
82 Chlorobenzene	112	8.597	8.597	0.000	97	891595	20.0	20.2	
83 1,1,1,2-Tetrachloroethane	131	8.668	8.668	0.000	95	284069	20.0	20.7	
84 Ethylbenzene	106	8.680	8.680	0.000	98	502822	20.0	20.1	
85 m-Xylene & p-Xylene	106	8.798	8.798	0.000	97	630918	20.0	19.9	
86 o-Xylene	106	9.166	9.166	0.000	96	598816	20.0	20.1	
87 Styrene	104	9.178	9.178	0.000	95	1006233	20.0	22.0	
88 Bromoform	173	9.368	9.368	0.000	96	149197	20.0	17.9	
89 Isopropylbenzene	105	9.522	9.522	0.000	95	1601195	20.0	20.4	
92 1,1,2,2-Tetrachloroethane	83	9.818	9.818	0.000	95	298501	20.0	19.8	
93 Bromobenzene	156	9.842	9.842	0.000	92	361118	20.0	20.0	
94 trans-1,4-Dichloro-2-butene	53	9.854	9.854	0.000	82	75339	20.0	14.7	
95 1,2,3-Trichloropropane	110	9.877	9.877	0.000	82	99392	20.0	20.1	
96 N-Propylbenzene	120	9.925	9.925	0.000	99	460109	20.0	19.8	
97 2-Chlorotoluene	126	10.020	10.020	0.000	97	377507	20.0	20.1	
99 1,3,5-Trimethylbenzene	105	10.103	10.103	0.000	94	1371130	20.0	19.8	
100 4-Chlorotoluene	126	10.138	10.138	0.000	97	391433	20.0	20.0	
102 tert-Butylbenzene	119	10.411	10.411	0.000	92	1180810	20.0	19.8	
104 1,2,4-Trimethylbenzene	105	10.470	10.470	0.000	97	1377337	20.0	19.6	
105 sec-Butylbenzene	105	10.636	10.636	0.000	94	1776004	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
106 1,3-Dichlorobenzene	146	10.755	10.755	0.000	97	732281	20.0	20.2	
107 4-Isopropyltoluene	119	10.779	10.779	0.000	97	1548796	20.0	20.3	
108 1,4-Dichlorobenzene	146	10.862	10.862	0.000	95	729684	20.0	20.1	
111 n-Butylbenzene	91	11.194	11.194	0.000	97	1350264	20.0	19.6	
112 1,2-Dichlorobenzene	146	11.217	11.217	0.000	98	656056	20.0	19.6	
113 1,2-Dibromo-3-Chloropropane	157	12.000	12.000	0.000	86	59802	20.0	16.8	
115 1,2,4-Trichlorobenzene	180	12.830	12.830	0.000	94	354003	20.0	18.2	
116 Hexachlorobutadiene	225	12.973	12.973	0.000	98	166167	20.0	18.9	
117 Naphthalene	128	13.115	13.115	0.000	96	871724	20.0	17.6	
118 1,2,3-Trichlorobenzene	180	13.364	13.364	0.000	95	297096	20.0	18.0	
S 134 Trihalomethanes, Total	1				0		80.0	73.9	
S 158 Total BTEX	1				0		100.0	100.0	
S 133 Xylenes, Total	106				0		40.0	40.0	

QC Flag Legend

Processing Flags

Reagents:

vmrprimw_00451	Amount Added:	16.00	Units: uL	
vmrgas_00400	Amount Added:	16.00	Units: uL	
vmarolistdw_00408	Amount Added:	16.00	Units: uL	
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

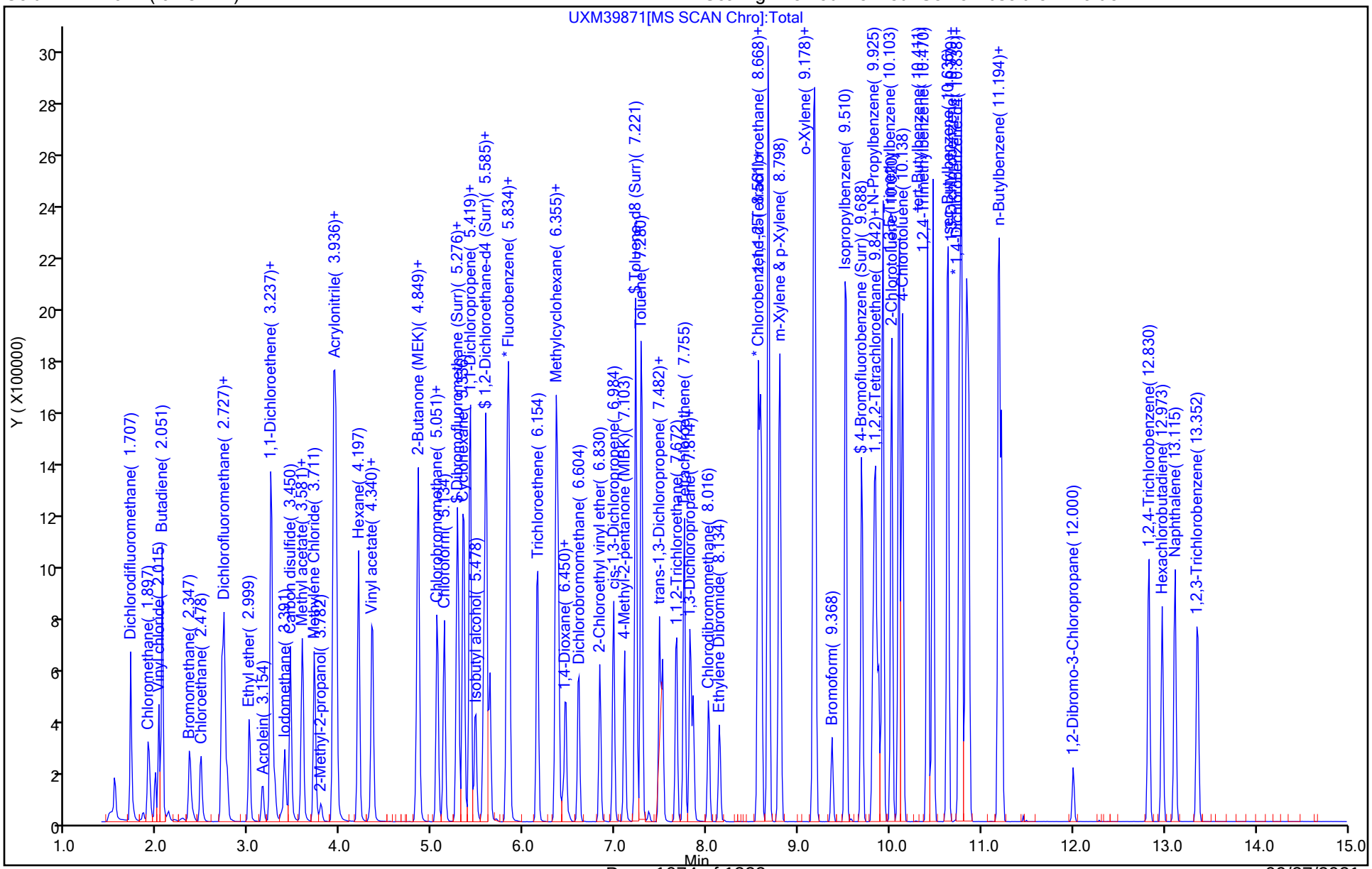
Report Date: 18-Sep-2021 10:43:18 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\UXM39871.D

Injection Date:	18-Sep-2021 10:15:30	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.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCV 240-504263/4 Calibration Date: 09/18/2021 10:39

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: UXM39872.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	0.0273		0.173	0.200	-13.7	20.0
Diisopropyl ether	Ave	0.1817	0.1888		0.0208	0.0200	3.9	20.0
2-Chloro-1,3-butadiene	Ave	0.3819	0.3536		0.0185	0.0200	-7.4	20.0
Ethyl-t-butyl ether (ETBE)	Ave	0.6074	0.5923		0.0195	0.0200	-2.5	20.0
Ethyl acetate	Ave	0.1689	0.1581		0.0374	0.0400	-6.4	20.0
Propionitrile	Ave	0.0348	0.0302		0.173	0.200	-13.3	20.0
Methacrylonitrile	Ave	0.1236	0.1143		0.185	0.200	-7.6	20.0
Tert-amyl-methyl ether (TAME)	Ave	0.5775	0.5531		0.0192	0.0200	-4.2	20.0
n-Butanol	Ave	0.0049	0.0051		0.519	0.500	3.7	20.0
Ethyl acrylate	Ave	0.2515	0.2149		0.0171	0.0200	-14.5	20.0
Methyl methacrylate	Ave	0.1743	0.1498		0.0344	0.0400	-14.1	20.0
2-Nitropropane	Lin1		0.0369		0.0211	0.0400	-47.4*	20.0
n-Butyl acetate	Ave	0.2902	0.2322		0.0160	0.0200	-20.0	20.0
1-Chlorohexane	Ave	0.5303	0.4655		0.0176	0.0200	-12.2	20.0
Cyclohexanone	Lin1		0.0144		0.151	0.200	-24.5*	20.0
Pentachloroethane	Ave	0.1090	0.1486		0.0545	0.0400	36.3*	20.0
1,2,3-Trimethylbenzene	Ave	2.601	2.349		0.0181	0.0200	-9.7	20.0
Benzyl chloride	Ave	0.2725	0.1746		0.0128	0.0200	-35.9*	20.0
1,3,5-Trichlorobenzene	Ave	0.9222	0.8025		0.0174	0.0200	-13.0	20.0
2-Methylnaphthalene	Ave	0.7431	0.5507		0.0296	0.0400	-25.9*	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\UXM39872.D
Lims ID: CCV A9
Client ID:
Sample Type: CCV
Inject. Date: 18-Sep-2021 10:39:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113269-004
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub78

Method: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 18-Sep-2021 11:16:09 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: CTX1668

First Level Reviewer: bosworthh Date: 18-Sep-2021 11:16:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.846	5.846	0.000	99	1230862	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	86	963473	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	534986	20.0	20.0	
25 Acetonitrile	41	3.557	3.557	0.000	99	335898	200.0	172.6	
36 Isopropyl ether	87	4.363	4.363	0.000	93	232353	20.0	20.8	
37 2-Chloro-1,3-butadiene	53	4.411	4.411	0.000	91	435266	20.0	18.5	
38 Tert-butyl ethyl ether	59	4.683	4.683	0.000	97	729015	20.0	19.5	
43 Ethyl acetate	43	4.849	4.849	0.000	99	389095	40.0	37.4	
42 Propionitrile	54	4.885	4.885	0.000	99	371954	200.0	173.5	
44 Methacrylonitrile	41	5.015	5.015	0.000	91	1406521	200.0	184.9	
163 Isooctane	57	5.679	5.679	0.000	98	885018	20.0	18.2	
55 Tert-amyl methyl ether	73	5.679	5.679	0.000	97	680763	20.0	19.2	
57 n-Butanol	56	6.035	6.035	0.000	88	157405	500.0	518.6	
59 Ethyl acrylate	55	6.201	6.201	0.000	99	264504	20.0	17.1	
62 Methyl methacrylate	41	6.403	6.403	0.000	88	368758	40.0	34.4	
66 2-Nitropropane	41	6.794	6.794	0.000	97	90723	40.0	21.1	
77 n-Butyl acetate	43	7.944	7.944	0.000	95	285835	20.0	16.0	
81 1-Chlorohexane	91	8.549	8.549	0.000	97	448454	20.0	17.6	
91 Cyclohexanone	55	9.617	9.617	0.000	90	76912	200.0	151.0	
103 Pentachloroethane	167	10.447	10.447	0.000	91	286330	40.0	54.5	
109 1,2,3-Trimethylbenzene	105	10.885	10.885	0.000	97	1256624	20.0	18.1	
110 Benzyl chloride	126	10.968	10.968	0.000	99	93435	20.0	12.8	
114 1,3,5-Trichlorobenzene	180	12.190	12.190	0.000	97	429321	20.0	17.4	
119 2-Methylnaphthalene	142	14.538	14.538	0.000	93	589286	40.0	29.6	
162 1-Methylnaphthalene	142	14.811	14.811	0.000	0	518998	40.0	31.6	

QC Flag Legend

Processing Flags

Reagents:

vmra9w_00406	Amount Added:	16.00	Units: uL
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL

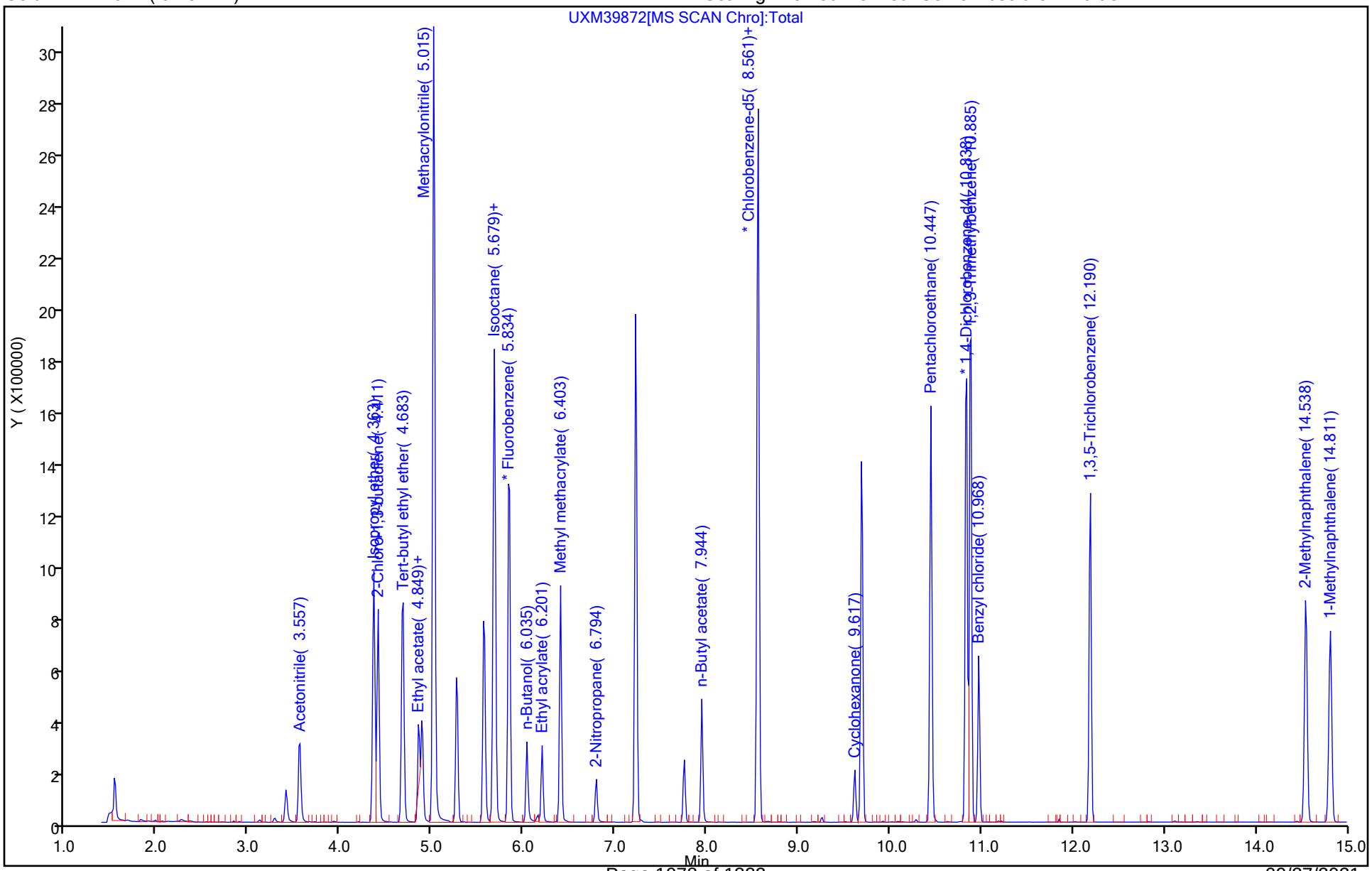
Report Date: 18-Sep-2021 11:16:09 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\UXM39872.D

Injection Date:	18-Sep-2021 10:39:30	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.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-504389/3 Calibration Date: 09/20/2021 10:23

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: UXM39901.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	0.4254	0.1000	0.0237	0.0200	18.3	20.0
Chloromethane	Ave	0.3711	0.3355	0.1000	0.0181	0.0200	-9.6	20.0
Vinyl chloride	Ave	0.3683	0.3358	0.1000	0.0182	0.0200	-8.8	20.0
Butadiene	Ave	0.3577	0.3112		0.0174	0.0200	-13.0	20.0
Bromomethane	Lin1		0.1877	0.0500	0.0181	0.0200	-9.6	20.0
Chloroethane	Ave	0.2067	0.2107	0.0500	0.0204	0.0200	2.0	20.0
Dichlorofluoromethane	Ave	0.4696	0.4999		0.0213	0.0200	6.5	20.0
Trichlorofluoromethane	Ave	0.4002	0.4835	0.1000	0.0242	0.0200	20.8*	20.0
Ethyl ether	Ave	0.1785	0.1761		0.0197	0.0200	-1.4	20.0
Acrolein	Ave	0.0109	0.0336		0.307	0.100	207.3*	20.0
1,1-Dichloroethene	Ave	0.2222	0.2442	0.1000	0.0220	0.0200	9.9	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.1731	0.2049	0.0500	0.0237	0.0200	18.4	20.0
Acetone	Lin1		0.0218	0.0100	0.0467	0.0400	16.7	50.0
Iodomethane	Ave	0.2949	0.2836		0.0192	0.0200	-3.9	20.0
Carbon disulfide	Ave	0.7278	0.7475	0.1000	0.0205	0.0200	2.7	20.0
Methyl acetate	Ave	0.1657	0.1403	0.1000	0.0339	0.0400	-15.3	50.0
3-Chloro-1-propene	Ave	0.3878	0.3049		0.0157	0.0200	-21.4*	20.0
Methylene Chloride	Ave	0.2633	0.2797	0.1000	0.0212	0.0200	6.2	50.0
tert-Butyl alcohol	Ave	0.0219	0.0109		0.0990	0.200	-50.5*	20.0
Acrylonitrile	Ave	0.0908	0.0864		0.190	0.200	-4.9	20.0
Methyl tert-butyl ether	Ave	0.6160	0.5510	0.1000	0.0179	0.0200	-10.6	20.0
trans-1,2-Dichloroethene	Ave	0.2664	0.2785	0.1000	0.0209	0.0200	4.5	20.0
Hexane	Ave	0.3512	0.3661		0.0208	0.0200	4.2	20.0
Vinyl acetate	Lin1		0.3432		0.0228	0.0200	13.9	20.0
1,1-Dichloroethane	Ave	0.4687	0.4608	0.2000	0.0197	0.0200	-1.7	20.0
2-Butanone	Ave	0.0236	0.0255	0.0100	0.0433	0.0400	8.2	50.0
2,2-Dichloropropane	Ave	0.4110	0.3071		0.0149	0.0200	-25.3*	20.0
cis-1,2-Dichloroethene	Ave	0.2958	0.3045	0.1000	0.0206	0.0200	3.0	20.0
Bromochloromethane	Ave	0.1306	0.1452		0.0222	0.0200	11.2	20.0
Tetrahydrofuran	Ave	0.0672	0.0608		0.0362	0.0400	-9.6	20.0
Chloroform	Ave	0.4573	0.4688	0.2000	0.0205	0.0200	2.5	20.0
1,1,1-Trichloroethane	Ave	0.3941	0.4143	0.1000	0.0210	0.0200	5.1	20.0
Cyclohexane	Ave	0.4354	0.4538	0.1000	0.0208	0.0200	4.2	20.0
1,1-Dichloropropene	Ave	0.3399	0.3681		0.0217	0.0200	8.3	20.0
Carbon tetrachloride	Ave	0.3235	0.3381	0.1000	0.0209	0.0200	4.5	20.0
Isobutyl alcohol	Ave	0.0069	0.0063		0.451	0.500	-9.8	20.0
Benzene	Ave	1.010	1.035	0.5000	0.0205	0.0200	2.4	20.0
1,2-Dichloroethane	Ave	0.3364	0.3400	0.1000	0.0202	0.0200	1.1	20.0
n-Heptane	Lin1		0.2275		0.0211	0.0200	5.6	20.0
Trichloroethene	Ave	0.2625	0.2792	0.1500	0.0213	0.0200	6.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-504389/3 Calibration Date: 09/20/2021 10:23

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: UXM39901.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	0.4885	0.1000	0.0220	0.0200	10.1	20.0
1,2-Dichloropropane	Ave	0.2382	0.2408	0.1000	0.0202	0.0200	1.1	20.0
1,4-Dioxane	Ave	0.0029	0.0027		0.376	0.400	-6.1	50.0
Dibromomethane	Ave	0.1462	0.1487		0.0203	0.0200	1.7	20.0
Bromodichloromethane	Ave	0.3399	0.3214	0.1500	0.0189	0.0200	-5.4	20.0
2-Chloroethyl vinyl ether	Ave	0.1366	0.0631		0.0185	0.0400	-53.8*	20.0
cis-1,3-Dichloropropene	Ave	0.3924	0.3775	0.1500	0.0192	0.0200	-3.8	50.0
4-Methyl-2-pentanone	Ave	0.1797	0.1512	0.0500	0.0337	0.0400	-15.9	50.0
Toluene	Ave	1.432	1.418	0.4000	0.0198	0.0200	-1.0	20.0
trans-1,3-Dichloropropene	Ave	0.4496	0.4114	0.1000	0.0183	0.0200	-8.5	20.0
Ethyl methacrylate	Ave	0.3544	0.3139		0.0177	0.0200	-11.4	20.0
1,1,2-Trichloroethane	Ave	0.2444	0.2425	0.1000	0.0198	0.0200	-0.8	20.0
Tetrachloroethene	Ave	0.2661	0.2778	0.1500	0.0209	0.0200	4.4	20.0
1,3-Dichloropropane	Ave	0.4464	0.4390		0.0197	0.0200	-1.7	20.0
2-Hexanone	Ave	0.1652	0.1424	0.0500	0.0345	0.0400	-13.8	50.0
Dibromochloromethane	Ave	0.2822	0.2605		0.0185	0.0200	-7.7	20.0
1,2-Dibromoethane	Ave	0.2435	0.2495		0.0205	0.0200	2.5	20.0
Chlorobenzene	Ave	0.9137	0.9334	0.3000	0.0204	0.0200	2.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2841	0.2838		0.0200	0.0200	-0.1	20.0
Ethylbenzene	Ave	0.5176	0.5260		0.0203	0.0200	1.6	20.0
m-Xylene & p-Xylene	Ave	0.6543	0.6638		0.0203	0.0200	1.4	20.0
o-Xylene	Ave	0.6167	0.6307		0.0205	0.0200	2.3	20.0
Styrene	Ave	0.9433	1.081	0.3000	0.0229	0.0200	14.6	20.0
Bromoform	Ave	0.1723	0.1551	0.1000	0.0180	0.0200	-10.0	20.0
Isopropylbenzene	Ave	1.619	1.685	0.1000	0.0208	0.0200	4.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5537	0.5165	0.3000	0.0187	0.0200	-6.7	20.0
Bromobenzene	Ave	0.6628	0.6519		0.0197	0.0200	-1.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1878	0.1403		0.0149	0.0200	-25.3*	20.0
1,2,3-Trichloropropane	Ave	0.1809	0.1762		0.0195	0.0200	-2.6	20.0
n-Propylbenzene	Ave	0.8496	0.8358		0.0197	0.0200	-1.6	20.0
2-Chlorotoluene	Ave	0.6884	0.6695		0.0195	0.0200	-2.7	20.0
1,3,5-Trimethylbenzene	Ave	2.541	2.504		0.0197	0.0200	-1.5	20.0
4-Chlorotoluene	Ave	0.7179	0.7098		0.0198	0.0200	-1.1	20.0
tert-Butylbenzene	Ave	2.190	2.124		0.0194	0.0200	-3.0	20.0
1,2,4-Trimethylbenzene	Ave	2.572	2.509		0.0195	0.0200	-2.5	20.0
sec-Butylbenzene	Ave	3.284	3.216		0.0196	0.0200	-2.1	20.0
1,3-Dichlorobenzene	Ave	1.327	1.313	0.6000	0.0198	0.0200	-1.1	20.0
p-Isopropyltoluene	Ave	2.798	2.796		0.0200	0.0200	-0.1	20.0
1,4-Dichlorobenzene	Ave	1.331	1.310	0.5000	0.0197	0.0200	-1.6	20.0
n-Butylbenzene	Ave	2.529	2.502		0.0198	0.0200	-1.0	20.0
1,2-Dichlorobenzene	Ave	1.229	1.183	0.4000	0.0193	0.0200	-3.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-504389/3 Calibration Date: 09/20/2021 10:23

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: UXM39901.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	0.1092	0.0500	0.0167	0.0200	-16.3	50.0
1,2,4-Trichlorobenzene	Ave	0.7137	0.6421	0.2000	0.0180	0.0200	-10.0	50.0
Hexachlorobutadiene	Ave	0.3214	0.3044		0.0189	0.0200	-5.3	50.0
Naphthalene	Ave	1.813	1.599		0.0176	0.0200	-11.8	50.0
1,2,3-Trichlorobenzene	Ave	0.6054	0.5471		0.0181	0.0200	-9.6	20.0
Dibromofluoromethane (Surr)	Ave	0.2427	0.2429		0.0227	0.0227	0.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2866	0.2756		0.0218	0.0227	-3.8	20.0
Toluene-d8 (Surr)	Ave	1.219	1.157		0.0215	0.0227	-5.1	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4689	0.4841		0.0234	0.0227	3.2	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\UXM39901.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 20-Sep-2021 10:23:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113298-003
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub69

Method: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 10:54:00 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: CTX1626

First Level Reviewer: bosworthh Date: 20-Sep-2021 10:54:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.846	5.846	0.000	99	1271424	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	86	1022334	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	603358	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.276	5.276	0.000	93	350205	22.7	22.7	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	397343	22.7	21.8	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1340886	22.7	21.5	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	90	561237	22.7	23.4	
9 Dichlorodifluoromethane	85	1.707	1.707	0.000	99	540832	20.0	23.7	
10 Chloromethane	50	1.897	1.897	0.000	99	426617	20.0	18.1	
11 Vinyl chloride	62	2.015	2.015	0.000	98	426945	20.0	18.2	
12 Butadiene	54	2.051	2.051	0.000	95	395630	20.0	17.4	
13 Bromomethane	94	2.359	2.359	0.000	90	238699	20.0	18.1	
14 Chloroethane	64	2.478	2.478	0.000	99	267921	20.0	20.4	
15 Dichlorofluoromethane	67	2.703	2.703	0.000	97	635541	20.0	21.3	
16 Trichlorofluoromethane	101	2.727	2.727	0.000	98	614793	20.0	24.2	
17 Ethyl ether	59	3.011	3.011	0.000	88	223886	20.0	19.7	
18 Acrolein	56	3.154	3.154	0.000	98	213737	100.0	307.3	
19 1,1-Dichloroethene	96	3.237	3.237	0.000	98	310444	20.0	22.0	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.249	3.249	0.000	91	260454	20.0	23.7	
21 Acetone	58	3.284	3.284	0.000	100	55490	40.0	46.7	
23 Iodomethane	142	3.391	3.391	0.000	97	360513	20.0	19.2	
24 Carbon disulfide	76	3.450	3.450	0.000	99	950434	20.0	20.5	
27 Methyl acetate	43	3.581	3.581	0.000	96	356738	40.0	33.9	
26 3-Chloro-1-propene	41	3.592	3.592	0.000	90	387632	20.0	15.7	
28 Methylene Chloride	84	3.711	3.711	0.000	87	355680	20.0	21.2	
29 2-Methyl-2-propanol	59	3.794	3.794	0.000	99	138103	200.0	99.0	
30 Acrylonitrile	53	3.925	3.925	0.000	99	1098165	200.0	190.2	
31 Methyl tert-butyl ether	73	3.936	3.936	0.000	94	700533	20.0	17.9	
32 trans-1,2-Dichloroethene	96	3.960	3.960	0.000	98	354093	20.0	20.9	
33 Hexane	57	4.197	4.197	0.000	90	465423	20.0	20.8	
35 Vinyl acetate	43	4.340	4.340	0.000	97	436393	20.0	22.8	

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	585845	20.0	19.7	
40 2-Butanone (MEK)	72	4.826	4.826	0.000	99	64819	40.0	43.3	
41 2,2-Dichloropropane	77	4.849	4.849	0.000	89	390430	20.0	14.9	
39 cis-1,2-Dichloroethene	96	4.849	4.849	0.000	80	387162	20.0	20.6	
45 Chlorobromomethane	128	5.051	5.051	0.000	95	184633	20.0	22.2	
46 Tetrahydrofuran	42	5.063	5.063	0.000	85	154582	40.0	36.2	
47 Chloroform	83	5.134	5.134	0.000	93	596099	20.0	20.5	
48 1,1,1-Trichloroethane	97	5.288	5.288	0.000	98	526778	20.0	21.0	
49 Cyclohexane	56	5.348	5.348	0.000	87	577016	20.0	20.8	
50 1,1-Dichloropropene	75	5.419	5.419	0.000	96	468074	20.0	21.7	
51 Carbon tetrachloride	117	5.419	5.419	0.000	89	429904	20.0	20.9	
52 Isobutyl alcohol	41	5.478	5.478	0.000	95	199138	500.0	450.9	
54 Benzene	78	5.597	5.597	0.000	96	1316215	20.0	20.5	
53 1,2-Dichloroethane	62	5.632	5.632	0.000	98	432323	20.0	20.2	
56 n-Heptane	57	5.822	5.822	0.000	93	289273	20.0	21.1	
58 Trichloroethene	130	6.154	6.154	0.000	97	354922	20.0	21.3	
60 Methylcyclohexane	83	6.356	6.356	0.000	89	621070	20.0	22.0	
61 1,2-Dichloropropane	63	6.379	6.379	0.000	96	306179	20.0	20.2	
64 1,4-Dioxane	88	6.427	6.427	0.000	90	68687	400.0	375.6	
63 Dibromomethane	93	6.450	6.450	0.000	94	189038	20.0	20.3	
65 Dichlorobromomethane	83	6.605	6.605	0.000	99	408651	20.0	18.9	
67 2-Chloroethyl vinyl ether	63	6.830	6.830	0.000	93	160533	40.0	18.5	
68 cis-1,3-Dichloropropene	75	6.984	6.984	0.000	96	480013	20.0	19.2	
69 4-Methyl-2-pentanone (MIBK)	43	7.103	7.103	0.000	94	384580	40.0	33.7	
70 Toluene	91	7.280	7.280	0.000	98	1449841	20.0	19.8	
71 trans-1,3-Dichloropropene	75	7.482	7.482	0.000	92	420586	20.0	18.3	
72 Ethyl methacrylate	69	7.518	7.518	0.000	87	320861	20.0	17.7	
73 1,1,2-Trichloroethane	97	7.672	7.672	0.000	90	247927	20.0	19.8	
75 Tetrachloroethene	164	7.755	7.755	0.000	98	283979	20.0	20.9	
74 1,3-Dichloropropane	76	7.814	7.814	0.000	88	448754	20.0	19.7	
76 2-Hexanone	43	7.850	7.850	0.000	95	291215	40.0	34.5	
78 Chlorodibromomethane	129	8.016	8.016	0.000	91	266281	20.0	18.5	
80 Ethylene Dibromide	107	8.134	8.134	0.000	98	255086	20.0	20.5	
82 Chlorobenzene	112	8.597	8.597	0.000	95	954266	20.0	20.4	
83 1,1,1,2-Tetrachloroethane	131	8.668	8.668	0.000	96	290098	20.0	20.0	
84 Ethylbenzene	106	8.680	8.680	0.000	98	537738	20.0	20.3	
85 m-Xylene & p-Xylene	106	8.798	8.798	0.000	97	678604	20.0	20.3	
86 o-Xylene	106	9.166	9.166	0.000	96	644836	20.0	20.5	
87 Styrene	104	9.190	9.190	0.000	96	1104881	20.0	22.9	
88 Bromoform	173	9.368	9.368	0.000	96	158515	20.0	18.0	
89 Isopropylbenzene	105	9.510	9.510	0.000	96	1722125	20.0	20.8	
92 1,1,2,2-Tetrachloroethane	83	9.818	9.818	0.000	95	311607	20.0	18.7	
93 Bromobenzene	156	9.842	9.842	0.000	91	393321	20.0	19.7	
94 trans-1,4-Dichloro-2-butene	53	9.854	9.854	0.000	81	84647	20.0	14.9	
95 1,2,3-Trichloropropane	110	9.877	9.877	0.000	82	106308	20.0	19.5	
96 N-Propylbenzene	120	9.925	9.925	0.000	99	504257	20.0	19.7	
97 2-Chlorotoluene	126	10.020	10.020	0.000	97	403969	20.0	19.5	
99 1,3,5-Trimethylbenzene	105	10.103	10.103	0.000	94	1510625	20.0	19.7	
100 4-Chlorotoluene	126	10.138	10.138	0.000	97	428268	20.0	19.8	
102 tert-Butylbenzene	119	10.411	10.411	0.000	92	1281816	20.0	19.4	
104 1,2,4-Trimethylbenzene	105	10.470	10.470	0.000	97	1513525	20.0	19.5	
105 sec-Butylbenzene	105	10.636	10.636	0.000	94	1940620	20.0	19.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	10.755	10.755	0.000	97	792032	20.0	19.8	
107 4-Isopropyltoluene	119	10.779	10.779	0.000	97	1686869	20.0	20.0	
108 1,4-Dichlorobenzene	146	10.862	10.862	0.000	95	790593	20.0	19.7	
111 n-Butylbenzene	91	11.182	11.182	0.000	98	1509777	20.0	19.8	
112 1,2-Dichlorobenzene	146	11.217	11.217	0.000	98	713712	20.0	19.3	
113 1,2-Dibromo-3-Chloropropane	157	12.000	12.000	0.000	85	65858	20.0	16.7	
115 1,2,4-Trichlorobenzene	180	12.830	12.830	0.000	94	387432	20.0	18.0	
116 Hexachlorobutadiene	225	12.973	12.973	0.000	99	183661	20.0	18.9	
117 Naphthalene	128	13.115	13.115	0.000	96	964621	20.0	17.6	
118 1,2,3-Trichlorobenzene	180	13.364	13.364	0.000	96	330113	20.0	18.1	
S 134 Trihalomethanes, Total	1				0		80.0	75.9	
S 158 Total BTEX	1				0		100.0	101.4	
S 133 Xylenes, Total	106				0		40.0	40.7	

QC Flag Legend

Processing Flags

Reagents:

vmrprimw_00452	Amount Added:	16.00	Units: uL	
vmrgas_00400	Amount Added:	16.00	Units: uL	
vmarolistdw_00409	Amount Added:	16.00	Units: uL	
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

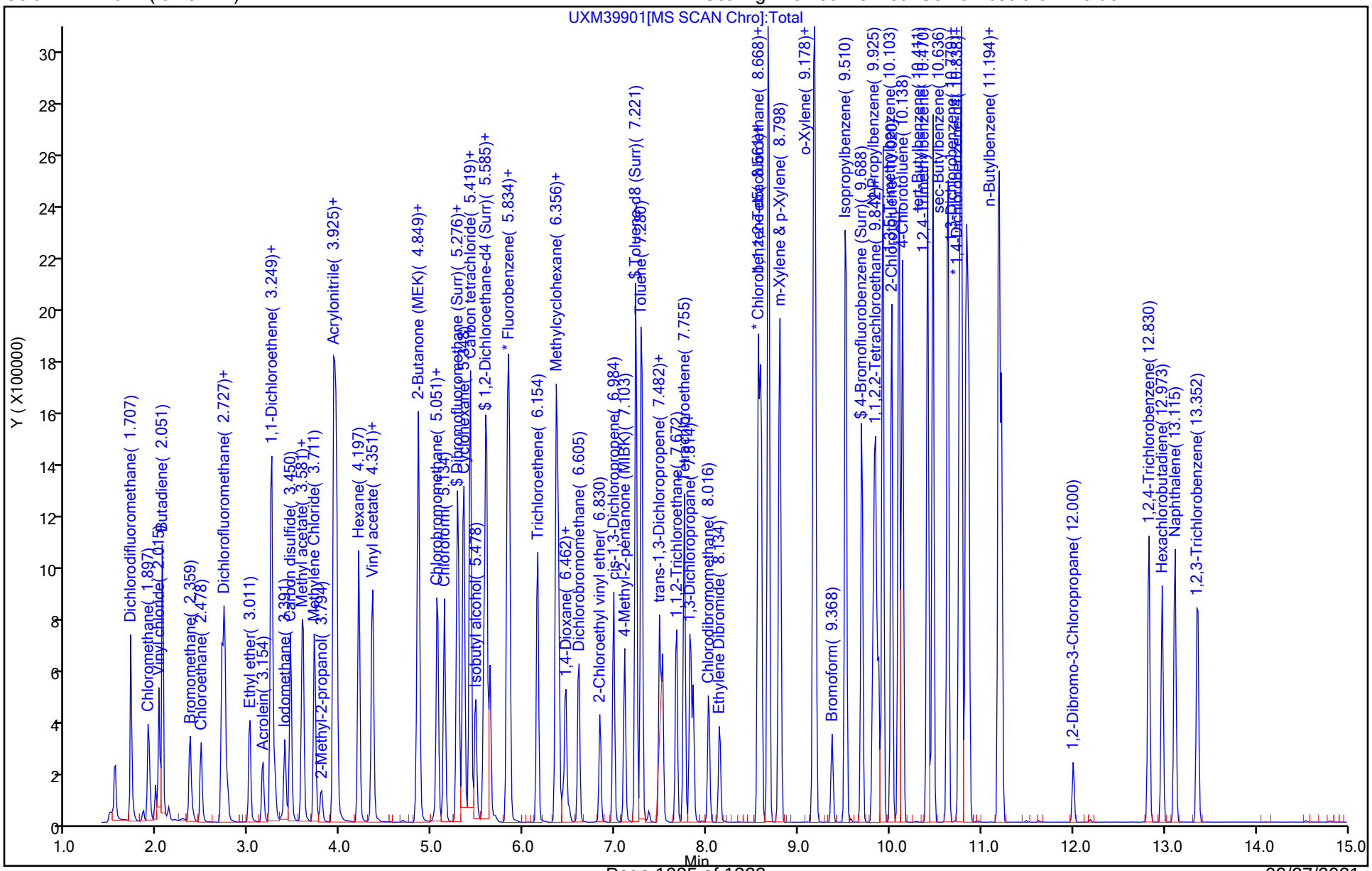
Report Date: 20-Sep-2021 10:54:01 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\UXM39901.D

Injection Date:	20-Sep-2021 10:23:30	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.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCV 240-504389/4 Calibration Date: 09/20/2021 10:47

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: UXM39902.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	0.0250		0.158	0.200	-20.8*	20.0
Diisopropyl ether	Ave	0.1817	0.1952		0.0215	0.0200	7.4	20.0
2-Chloro-1,3-butadiene	Ave	0.3819	0.3600		0.0189	0.0200	-5.7	20.0
Ethyl-t-butyl ether (ETBE)	Ave	0.6074	0.5851		0.0193	0.0200	-3.7	20.0
Ethyl acetate	Ave	0.1689	0.1593		0.0377	0.0400	-5.7	20.0
Propionitrile	Ave	0.0348	0.0283		0.162	0.200	-18.8	20.0
Methacrylonitrile	Ave	0.1236	0.1132		0.183	0.200	-8.4	20.0
Tert-amyl-methyl ether (TAME)	Ave	0.5775	0.5448		0.0189	0.0200	-5.7	20.0
n-Butanol	Ave	0.0049	0.0051		0.521	0.500	4.2	20.0
Ethyl acrylate	Ave	0.2515	0.2224		0.0177	0.0200	-11.6	20.0
Methyl methacrylate	Ave	0.1743	0.1504		0.0345	0.0400	-13.8	20.0
2-Nitropropane	Lin1		0.0374		0.0214	0.0400	-46.6*	20.0
n-Butyl acetate	Ave	0.2902	0.2487		0.0171	0.0200	-14.3	20.0
1-Chlorohexane	Ave	0.5303	0.4750		0.0179	0.0200	-10.4	20.0
Cyclohexanone	Lin1		0.0134		0.140	0.200	-30.0*	20.0
Pentachloroethane	Ave	0.1090	0.1684		0.0618	0.0400	54.5*	20.0
1,2,3-Trimethylbenzene	Ave	2.601	2.325		0.0179	0.0200	-10.6	20.0
Benzyl chloride	Ave	0.2725	0.1722		0.0126	0.0200	-36.8*	20.0
1,3,5-Trichlorobenzene	Ave	0.9222	0.7954		0.0172	0.0200	-13.8	20.0
2-Methylnaphthalene	Ave	0.7431	0.5173		0.0278	0.0400	-30.4*	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\UXM39902.D
Lims ID: CCV A9
Client ID:
Sample Type: CCV
Inject. Date: 20-Sep-2021 10:47:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113298-004
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub78

Method: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 11:19:43 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: CTX1626

First Level Reviewer: bosworthh Date: 20-Sep-2021 11:19:43

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	1418161	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	86	1110911	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	604698	20.0	20.0	
25 Acetonitrile	41	3.557	3.557	0.000	100	355089	200.0	158.3	
36 Isopropyl ether	87	4.363	4.363	0.000	93	276792	20.0	21.5	
37 2-Chloro-1,3-butadiene	53	4.411	4.411	0.000	90	510496	20.0	18.9	
38 Tert-butyl ethyl ether	59	4.683	4.683	0.000	97	829716	20.0	19.3	
43 Ethyl acetate	43	4.849	4.849	0.000	99	451776	40.0	37.7	
42 Propionitrile	54	4.885	4.885	0.000	99	401252	200.0	162.4	
44 Methacrylonitrile	41	5.015	5.015	0.000	91	1605805	200.0	183.2	
163 Isooctane	57	5.680	5.680	0.000	97	1073213	20.0	19.1	
55 Tert-amyl methyl ether	73	5.680	5.680	0.000	97	772613	20.0	18.9	
57 n-Butanol	56	6.035	6.035	0.000	86	182190	500.0	521.0	
59 Ethyl acrylate	55	6.201	6.201	0.000	99	315405	20.0	17.7	
62 Methyl methacrylate	41	6.403	6.403	0.000	88	426463	40.0	34.5	
66 2-Nitropropane	41	6.794	6.794	0.000	96	105940	40.0	21.4	
77 n-Butyl acetate	43	7.945	7.945	0.000	95	352659	20.0	17.1	
81 1-Chlorohexane	91	8.549	8.549	0.000	97	527651	20.0	17.9	
91 Cyclohexanone	55	9.617	9.617	0.000	90	80881	200.0	140.1	
103 Pentachloroethane	167	10.447	10.447	0.000	93	374087	40.0	61.8	
109 1,2,3-Trimethylbenzene	105	10.885	10.885	0.000	98	1406211	20.0	17.9	
110 Benzyl chloride	126	10.968	10.968	0.000	99	104119	20.0	12.6	
114 1,3,5-Trichlorobenzene	180	12.190	12.190	0.000	98	480948	20.0	17.2	
119 2-Methylnaphthalene	142	14.538	14.538	0.000	93	625607	40.0	27.8	
162 1-Methylnaphthalene	142	14.811	14.811	0.000	0	551156	40.0	29.7	

QC Flag Legend

Processing Flags

Reagents:

vmra9w_00407	Amount Added:	16.00	Units: uL
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL

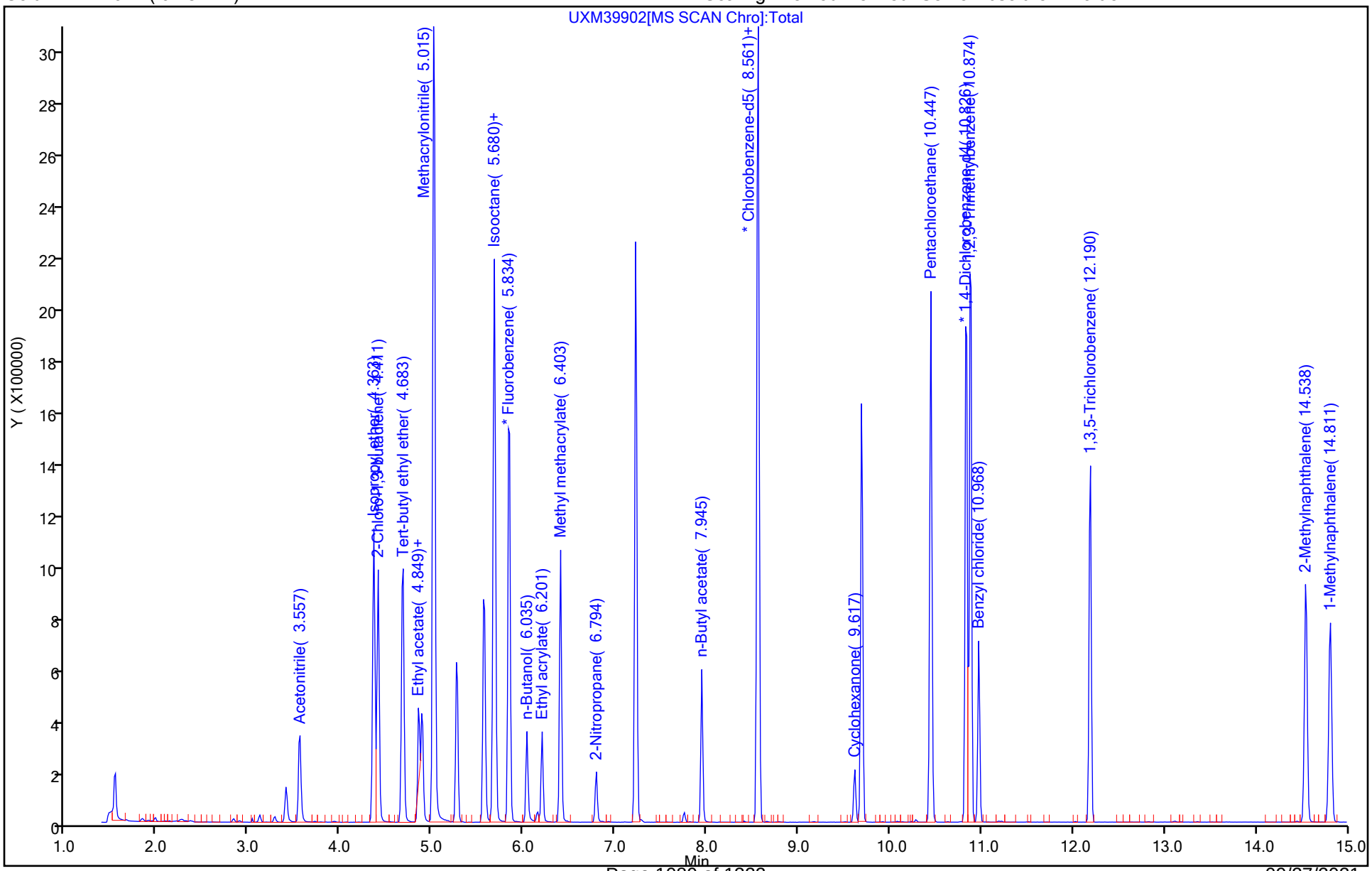
Report Date: 20-Sep-2021 11:19:44 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\UXM39902.D

Injection Date:	20-Sep-2021 10:47:30	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.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-505049/3 Calibration Date: 09/23/2021 11:14

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: UXM40032.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	0.3842	0.1000	0.0214	0.0200	6.8	20.0
Chloromethane	Ave	0.3711	0.3194	0.1000	0.0172	0.0200	-13.9	20.0
Vinyl chloride	Ave	0.3683	0.3292	0.1000	0.0179	0.0200	-10.6	20.0
Butadiene	Ave	0.3577	0.3036		0.0170	0.0200	-15.1	20.0
Bromomethane	Lin1		0.1760	0.0500	0.0169	0.0200	-15.4	20.0
Chloroethane	Ave	0.2067	0.1939	0.0500	0.0188	0.0200	-6.2	20.0
Dichlorofluoromethane	Ave	0.4696	0.4787		0.0204	0.0200	1.9	20.0
Trichlorofluoromethane	Ave	0.4002	0.4622	0.1000	0.0231	0.0200	15.5	20.0
Ethyl ether	Ave	0.1785	0.1651		0.0185	0.0200	-7.5	20.0
Acrolein	Ave	0.0109	0.0282		0.258	0.100	157.9*	20.0
1,1-Dichloroethene	Ave	0.2222	0.2155	0.1000	0.0194	0.0200	-3.0	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.1731	0.1906	0.0500	0.0220	0.0200	10.1	20.0
Acetone	Lin1		0.0217	0.0100	0.0464	0.0400	15.9	50.0
Iodomethane	Ave	0.2949	0.2273		0.0154	0.0200	-22.9*	20.0
Carbon disulfide	Ave	0.7278	0.6598	0.1000	0.0181	0.0200	-9.3	20.0
Methyl acetate	Ave	0.1657	0.1254	0.1000	0.0303	0.0400	-24.3	50.0
3-Chloro-1-propene	Ave	0.3878	0.2323		0.0120	0.0200	-40.1*	20.0
Methylene Chloride	Ave	0.2633	0.2483	0.1000	0.0189	0.0200	-5.7	50.0
tert-Butyl alcohol	Ave	0.0219	0.0050		0.0454	0.200	-77.3*	20.0
Acrylonitrile	Ave	0.0908	0.0818		0.180	0.200	-10.0	20.0
Methyl tert-butyl ether	Ave	0.6160	0.5448	0.1000	0.0177	0.0200	-11.6	20.0
trans-1,2-Dichloroethene	Ave	0.2664	0.2537	0.1000	0.0190	0.0200	-4.8	20.0
Hexane	Ave	0.3512	0.3530		0.0201	0.0200	0.5	20.0
Vinyl acetate	Lin1		0.3244		0.0216	0.0200	7.8	20.0
1,1-Dichloroethane	Ave	0.4687	0.4076	0.2000	0.0174	0.0200	-13.0	20.0
2-Butanone	Ave	0.0236	0.0254	0.0100	0.0432	0.0400	7.9	50.0
2,2-Dichloropropane	Ave	0.4110	0.2398		0.0117	0.0200	-41.7*	20.0
cis-1,2-Dichloroethene	Ave	0.2958	0.2775	0.1000	0.0188	0.0200	-6.2	20.0
Bromochloromethane	Ave	0.1306	0.1265		0.0194	0.0200	-3.2	20.0
Tetrahydrofuran	Ave	0.0672	0.0567		0.0337	0.0400	-15.7	20.0
Chloroform	Ave	0.4573	0.4352	0.2000	0.0190	0.0200	-4.8	20.0
1,1,1-Trichloroethane	Ave	0.3941	0.3834	0.1000	0.0195	0.0200	-2.7	20.0
Cyclohexane	Ave	0.4354	0.4219	0.1000	0.0194	0.0200	-3.1	20.0
1,1-Dichloropropene	Ave	0.3399	0.3488		0.0205	0.0200	2.6	20.0
Carbon tetrachloride	Ave	0.3235	0.3146	0.1000	0.0195	0.0200	-2.7	20.0
Isobutyl alcohol	Ave	0.0069	0.0064		0.459	0.500	-8.2	20.0
Benzene	Ave	1.010	0.9880	0.5000	0.0196	0.0200	-2.2	20.0
1,2-Dichloroethane	Ave	0.3364	0.3213	0.1000	0.0191	0.0200	-4.5	20.0
n-Heptane	Lin1		0.2158		0.0198	0.0200	-0.8	20.0
Trichloroethene	Ave	0.2625	0.2673	0.1500	0.0204	0.0200	1.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-505049/3 Calibration Date: 09/23/2021 11:14

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: UXM40032.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	0.4670	0.1000	0.0210	0.0200	5.2	20.0
1,2-Dichloropropane	Ave	0.2382	0.2266	0.1000	0.0190	0.0200	-4.8	20.0
1,4-Dioxane	Ave	0.0029	0.0027		0.379	0.400	-5.3	50.0
Dibromomethane	Ave	0.1462	0.1355		0.0185	0.0200	-7.3	20.0
Bromodichloromethane	Ave	0.3399	0.3044	0.1500	0.0179	0.0200	-10.4	20.0
2-Chloroethyl vinyl ether	Ave	0.1366	0.0956		0.0280	0.0400	-30.0*	20.0
cis-1,3-Dichloropropene	Ave	0.3924	0.3605	0.1500	0.0184	0.0200	-8.1	50.0
4-Methyl-2-pentanone	Ave	0.1797	0.1579	0.0500	0.0351	0.0400	-12.2	50.0
Toluene	Ave	1.432	1.373	0.4000	0.0192	0.0200	-4.1	20.0
trans-1,3-Dichloropropene	Ave	0.4496	0.3896	0.1000	0.0173	0.0200	-13.3	20.0
Ethyl methacrylate	Ave	0.3544	0.3107		0.0175	0.0200	-12.3	20.0
1,1,2-Trichloroethane	Ave	0.2444	0.2440	0.1000	0.0200	0.0200	-0.2	20.0
Tetrachloroethene	Ave	0.2661	0.2759	0.1500	0.0207	0.0200	3.7	20.0
1,3-Dichloropropane	Ave	0.4464	0.4465		0.0200	0.0200	0.0	20.0
2-Hexanone	Ave	0.1652	0.1461	0.0500	0.0354	0.0400	-11.6	50.0
Dibromochloromethane	Ave	0.2822	0.2536		0.0180	0.0200	-10.1	20.0
1,2-Dibromoethane	Ave	0.2435	0.2490		0.0205	0.0200	2.3	20.0
Chlorobenzene	Ave	0.9137	0.8975	0.3000	0.0196	0.0200	-1.8	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2841	0.2865		0.0202	0.0200	0.9	20.0
Ethylbenzene	Ave	0.5176	0.4993		0.0193	0.0200	-3.5	20.0
m-Xylene & p-Xylene	Ave	0.6543	0.6361		0.0194	0.0200	-2.8	20.0
o-Xylene	Ave	0.6167	0.6001		0.0195	0.0200	-2.7	20.0
Styrene	Ave	0.9433	1.005	0.3000	0.0213	0.0200	6.6	20.0
Bromoform	Ave	0.1723	0.1502	0.1000	0.0174	0.0200	-12.8	20.0
Isopropylbenzene	Ave	1.619	1.596	0.1000	0.0197	0.0200	-1.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.5537	0.5235	0.3000	0.0189	0.0200	-5.5	20.0
Bromobenzene	Ave	0.6628	0.6181		0.0187	0.0200	-6.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1878	0.1281		0.0136	0.0200	-31.8*	20.0
1,2,3-Trichloropropane	Ave	0.1809	0.1767		0.0195	0.0200	-2.3	20.0
n-Propylbenzene	Ave	0.8496	0.7892		0.0186	0.0200	-7.1	20.0
2-Chlorotoluene	Ave	0.6884	0.6335		0.0184	0.0200	-8.0	20.0
1,3,5-Trimethylbenzene	Ave	2.541	2.340		0.0184	0.0200	-7.9	20.0
4-Chlorotoluene	Ave	0.7179	0.6876		0.0192	0.0200	-4.2	20.0
tert-Butylbenzene	Ave	2.190	2.043		0.0187	0.0200	-6.7	20.0
1,2,4-Trimethylbenzene	Ave	2.572	2.351		0.0183	0.0200	-8.6	20.0
sec-Butylbenzene	Ave	3.284	3.081		0.0188	0.0200	-6.2	20.0
1,3-Dichlorobenzene	Ave	1.327	1.237	0.6000	0.0186	0.0200	-6.8	20.0
p-Isopropyltoluene	Ave	2.798	2.629		0.0188	0.0200	-6.0	20.0
1,4-Dichlorobenzene	Ave	1.331	1.256	0.5000	0.0189	0.0200	-5.7	20.0
n-Butylbenzene	Ave	2.529	2.340		0.0185	0.0200	-7.5	20.0
1,2-Dichlorobenzene	Ave	1.229	1.127	0.4000	0.0183	0.0200	-8.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-505049/3 Calibration Date: 09/23/2021 11:14

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: UXM40032.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	0.1089	0.0500	0.0167	0.0200	-16.5	50.0
1,2,4-Trichlorobenzene	Ave	0.7137	0.5963	0.2000	0.0167	0.0200	-16.4	50.0
Hexachlorobutadiene	Ave	0.3214	0.2962		0.0184	0.0200	-7.9	50.0
Naphthalene	Ave	1.813	1.472		0.0162	0.0200	-18.8	50.0
1,2,3-Trichlorobenzene	Ave	0.6054	0.5029		0.0166	0.0200	-16.9	20.0
Dibromofluoromethane (Surr)	Ave	0.2427	0.2291		0.0214	0.0227	-5.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2866	0.2658		0.0210	0.0227	-7.3	20.0
Toluene-d8 (Surr)	Ave	1.219	1.167		0.0217	0.0227	-4.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4689	0.4826		0.0233	0.0227	2.9	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40032.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 23-Sep-2021 11:14:30 ALS Bottle#: 3 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113440-003
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub69

Method: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Sep-2021 12:05:49 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: CTX1664

First Level Reviewer: bosworthh Date: 23-Sep-2021 11:33:10

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.845	5.845	0.000	99	1468487	20.0	20.0	
*	2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	1160893	20.0	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	93	679613	20.0	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.264	5.264	0.000	94	381472	22.7	21.4	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	442548	22.7	21.0	
$	6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1535768	22.7	21.7	
$	7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	88	635330	22.7	23.3	
	9 Dichlorodifluoromethane	85	1.707	1.707	0.000	99	564120	20.0	21.4	
	10 Chloromethane	50	1.897	1.897	0.000	99	469028	20.0	17.2	
	11 Vinyl chloride	62	2.015	2.015	0.000	97	483363	20.0	17.9	
	12 Butadiene	54	2.051	2.051	0.000	96	445772	20.0	17.0	
	13 Bromomethane	94	2.347	2.347	0.000	90	258444	20.0	16.9	
	14 Chloroethane	64	2.478	2.478	0.000	99	284780	20.0	18.8	
	15 Dichlorofluoromethane	67	2.703	2.703	0.000	98	702994	20.0	20.4	
	16 Trichlorofluoromethane	101	2.727	2.727	0.000	98	678775	20.0	23.1	
	17 Ethyl ether	59	2.999	2.999	0.000	89	242382	20.0	18.5	
	18 Acrolein	56	3.154	3.154	0.000	99	207110	100.0	257.9	
	19 1,1-Dichloroethene	96	3.237	3.237	0.000	98	316421	20.0	19.4	
	20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.248	3.248	0.000	90	279829	20.0	22.0	
	21 Acetone	58	3.284	3.284	0.000	100	63691	40.0	46.4	
	23 Iodomethane	142	3.391	3.391	0.000	97	333743	20.0	15.4	
	24 Carbon disulfide	76	3.450	3.450	0.000	99	968929	20.0	18.1	
	27 Methyl acetate	43	3.569	3.569	0.000	96	368277	40.0	30.3	
	26 3-Chloro-1-propene	41	3.580	3.580	0.000	89	341192	20.0	12.0	
	28 Methylene Chloride	84	3.711	3.711	0.000	88	364634	20.0	18.9	
	29 2-Methyl-2-propanol	59	3.782	3.782	0.000	99	73147	200.0	45.4	
	30 Acrylonitrile	53	3.924	3.924	0.000	99	1200637	200.0	180.0	
	31 Methyl tert-butyl ether	73	3.936	3.936	0.000	94	800056	20.0	17.7	
	32 trans-1,2-Dichloroethene	96	3.948	3.948	0.000	98	372618	20.0	19.0	
	33 Hexane	57	4.197	4.197	0.000	90	518347	20.0	20.1	
	35 Vinyl acetate	43	4.339	4.339	0.000	97	476306	20.0	21.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 1,1-Dichloroethane	63	4.351	4.351	0.000	96	598617	20.0	17.4	
40 2-Butanone (MEK)	72	4.826	4.826	0.000	98	74641	40.0	43.2	
39 cis-1,2-Dichloroethene	96	4.849	4.849	0.000	80	407476	20.0	18.8	
41 2,2-Dichloropropane	77	4.849	4.849	0.000	90	352093	20.0	11.7	
45 Chlorobromomethane	128	5.051	5.051	0.000	90	185693	20.0	19.4	
46 Tetrahydrofuran	42	5.063	5.063	0.000	83	166565	40.0	33.7	
47 Chloroform	83	5.134	5.134	0.000	93	639157	20.0	19.0	
48 1,1,1-Trichloroethane	97	5.288	5.288	0.000	98	563036	20.0	19.5	
49 Cyclohexane	56	5.336	5.336	0.000	88	619524	20.0	19.4	
50 1,1-Dichloropropene	75	5.419	5.419	0.000	96	512188	20.0	20.5	
51 Carbon tetrachloride	117	5.419	5.419	0.000	87	462059	20.0	19.5	
52 Isobutyl alcohol	41	5.478	5.478	0.000	94	234269	500.0	459.2	
54 Benzene	78	5.585	5.585	0.000	96	1450872	20.0	19.6	
53 1,2-Dichloroethane	62	5.632	5.632	0.000	98	471884	20.0	19.1	
56 n-Heptane	57	5.822	5.822	0.000	92	316971	20.0	19.8	
58 Trichloroethene	130	6.154	6.154	0.000	97	392580	20.0	20.4	
60 Methylcyclohexane	83	6.355	6.355	0.000	89	685784	20.0	21.0	
61 1,2-Dichloropropane	63	6.379	6.379	0.000	95	332826	20.0	19.0	
64 1,4-Dioxane	88	6.427	6.427	0.000	89	80019	400.0	378.9	
63 Dibromomethane	93	6.450	6.450	0.000	94	198982	20.0	18.5	
65 Dichlorobromomethane	83	6.604	6.604	0.000	99	447055	20.0	17.9	
67 2-Chloroethyl vinyl ether	63	6.830	6.830	0.000	93	280792	40.0	28.0	
68 cis-1,3-Dichloropropene	75	6.984	6.984	0.000	96	529393	20.0	18.4	
69 4-Methyl-2-pentanone (MIBK)	43	7.102	7.102	0.000	95	463745	40.0	35.1	
70 Toluene	91	7.280	7.280	0.000	98	1594480	20.0	19.2	
71 trans-1,3-Dichloropropene	75	7.482	7.482	0.000	89	452336	20.0	17.3	
72 Ethyl methacrylate	69	7.518	7.518	0.000	87	360657	20.0	17.5	
73 1,1,2-Trichloroethane	97	7.672	7.672	0.000	90	283288	20.0	20.0	
75 Tetrachloroethene	164	7.755	7.755	0.000	98	320296	20.0	20.7	
74 1,3-Dichloropropane	76	7.814	7.814	0.000	88	518377	20.0	20.0	
76 2-Hexanone	43	7.850	7.850	0.000	93	339260	40.0	35.4	
78 Chlorodibromomethane	129	8.016	8.016	0.000	90	294420	20.0	18.0	
80 Ethylene Dibromide	107	8.134	8.134	0.000	98	289120	20.0	20.5	
82 Chlorobenzene	112	8.597	8.597	0.000	97	1041883	20.0	19.6	
83 1,1,1,2-Tetrachloroethane	131	8.668	8.668	0.000	94	332624	20.0	20.2	
84 Ethylbenzene	106	8.680	8.680	0.000	98	579670	20.0	19.3	
85 m-Xylene & p-Xylene	106	8.798	8.798	0.000	97	738401	20.0	19.4	
86 o-Xylene	106	9.166	9.166	0.000	97	696630	20.0	19.5	
87 Styrene	104	9.190	9.190	0.000	95	1167112	20.0	21.3	
88 Bromoform	173	9.367	9.367	0.000	96	174378	20.0	17.4	
89 Isopropylbenzene	105	9.522	9.522	0.000	95	1852689	20.0	19.7	
92 1,1,2,2-Tetrachloroethane	83	9.818	9.818	0.000	95	355757	20.0	18.9	
93 Bromobenzene	156	9.842	9.842	0.000	93	420059	20.0	18.7	
94 trans-1,4-Dichloro-2-butene	53	9.854	9.854	0.000	80	87067	20.0	13.6	
95 1,2,3-Trichloropropane	110	9.877	9.877	0.000	82	120068	20.0	19.5	
96 N-Propylbenzene	120	9.925	9.925	0.000	99	536382	20.0	18.6	
97 2-Chlorotoluene	126	10.020	10.020	0.000	96	430568	20.0	18.4	
99 1,3,5-Trimethylbenzene	105	10.103	10.103	0.000	94	1590031	20.0	18.4	
100 4-Chlorotoluene	126	10.138	10.138	0.000	97	467295	20.0	19.2	
102 tert-Butylbenzene	119	10.411	10.411	0.000	92	1388327	20.0	18.7	
104 1,2,4-Trimethylbenzene	105	10.470	10.470	0.000	97	1598032	20.0	18.3	
105 sec-Butylbenzene	105	10.636	10.636	0.000	94	2093913	20.0	18.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	10.755	10.755	0.000	97	840902	20.0	18.6	
107 4-Isopropyltoluene	119	10.779	10.779	0.000	97	1786981	20.0	18.8	
108 1,4-Dichlorobenzene	146	10.862	10.862	0.000	96	853320	20.0	18.9	
111 n-Butylbenzene	91	11.182	11.182	0.000	97	1590031	20.0	18.5	
112 1,2-Dichlorobenzene	146	11.217	11.217	0.000	98	765866	20.0	18.3	
113 1,2-Dibromo-3-Chloropropane	157	12.000	12.000	0.000	86	73991	20.0	16.7	
115 1,2,4-Trichlorobenzene	180	12.830	12.830	0.000	94	405282	20.0	16.7	
116 Hexachlorobutadiene	225	12.972	12.972	0.000	99	201281	20.0	18.4	
117 Naphthalene	128	13.115	13.115	0.000	97	1000133	20.0	16.2	
118 1,2,3-Trichlorobenzene	180	13.364	13.364	0.000	96	341802	20.0	16.6	
S 134 Trihalomethanes, Total	1				0		80.0	72.4	
S 158 Total BTEX	1				0		100.0	96.9	
S 133 Xylenes, Total	106				0		40.0	38.9	

QC Flag Legend

Processing Flags

Reagents:

vmrprimw_00452	Amount Added:	16.00	Units: uL	
vmrgas_00401	Amount Added:	16.00	Units: uL	
vmarolistdw_00409	Amount Added:	16.00	Units: uL	
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

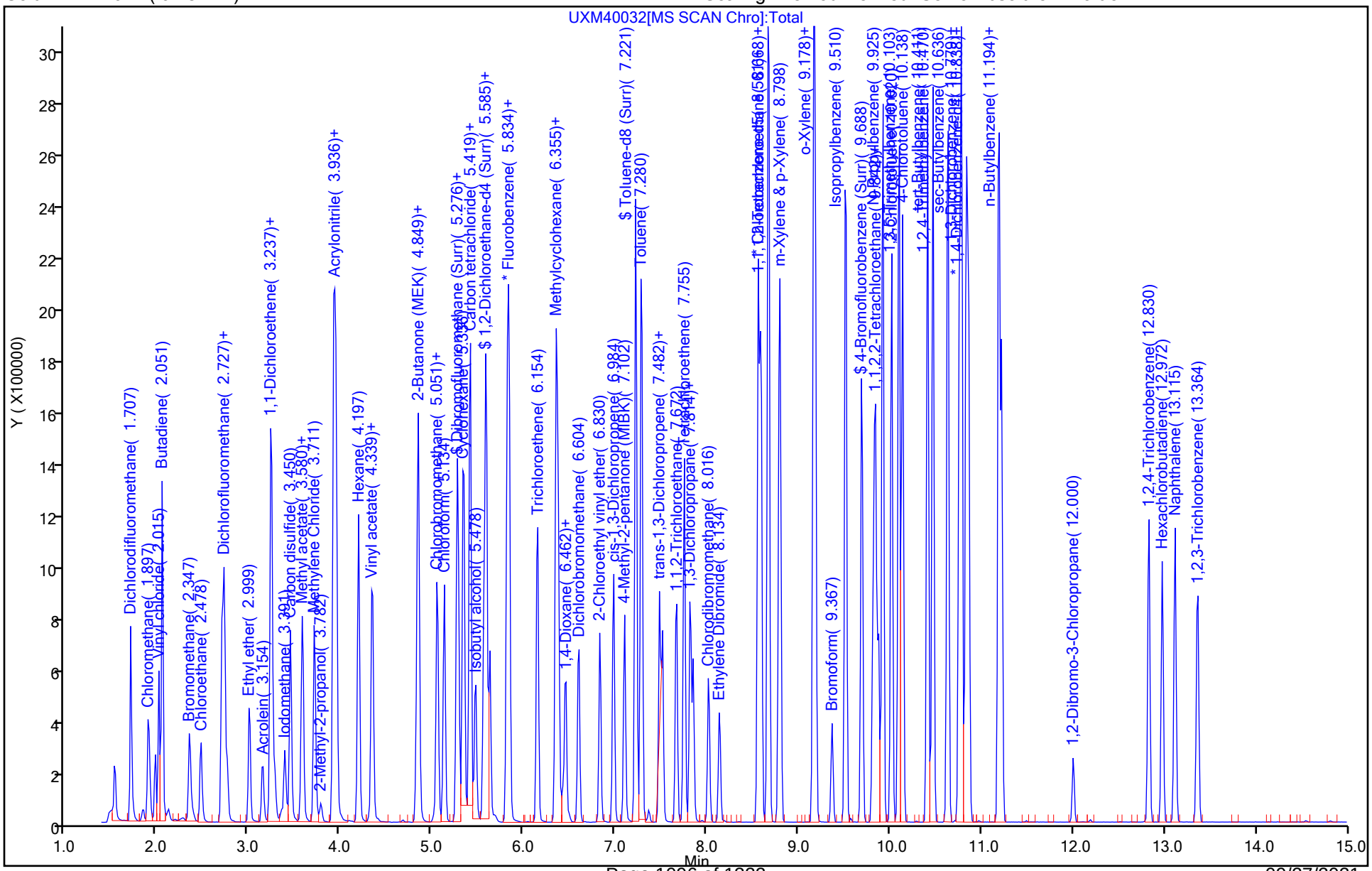
Report Date: 23-Sep-2021 12:05:49 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40032.D

Injection Date:	23-Sep-2021 11:14:30	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.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCV 240-505049/4 Calibration Date: 09/23/2021 11:39

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: UXM40033.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	0.0274		0.173	0.200	-13.4	20.0
Diisopropyl ether	Ave	0.1817	0.1944		0.0214	0.0200	7.0	20.0
2-Chloro-1,3-butadiene	Ave	0.3819	0.3631		0.0190	0.0200	-4.9	20.0
Ethyl-t-butyl ether (ETBE)	Ave	0.6074	0.5994		0.0197	0.0200	-1.3	20.0
Ethyl acetate	Ave	0.1689	0.1687		0.0400	0.0400	-0.1	20.0
Propionitrile	Ave	0.0348	0.0308		0.177	0.200	-11.5	20.0
Methacrylonitrile	Ave	0.1236	0.1219		0.197	0.200	-1.4	20.0
Tert-amyl-methyl ether (TAME)	Ave	0.5775	0.5669		0.0196	0.0200	-1.8	20.0
n-Butanol	Ave	0.0049	0.0055		0.560	0.500	11.9	20.0
Ethyl acrylate	Ave	0.2515	0.2330		0.0185	0.0200	-7.3	20.0
Methyl methacrylate	Ave	0.1743	0.1612		0.0370	0.0400	-7.5	20.0
2-Nitropropane	Lin1		0.0413		0.0238	0.0400	-40.5*	20.0
n-Butyl acetate	Ave	0.2902	0.2642		0.0182	0.0200	-8.9	20.0
1-Chlorohexane	Ave	0.5303	0.4649		0.0175	0.0200	-12.3	20.0
Cyclohexanone	Lin1		0.0150		0.158	0.200	-20.9*	20.0
Pentachloroethane	Ave	0.1090	0.1543		0.0566	0.0400	41.6*	20.0
1,2,3-Trimethylbenzene	Ave	2.601	2.316		0.0178	0.0200	-11.0	20.0
Benzyl chloride	Ave	0.2725	0.1740		0.0128	0.0200	-36.1*	20.0
1,3,5-Trichlorobenzene	Ave	0.9222	0.8042		0.0174	0.0200	-12.8	20.0
2-Methylnaphthalene	Ave	0.7431	0.5549		0.0299	0.0400	-25.3*	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40033.D
Lims ID: CCV A9
Client ID:
Sample Type: CCV
Inject. Date: 23-Sep-2021 11:39:30 ALS Bottle#: 4 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113440-004
Operator ID: 001765 Instrument ID: A3UX16
Sublist: chrom-8260_16*sub78

Method: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Sep-2021 12:01:04 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: CTX1664

First Level Reviewer: bosworthh Date: 23-Sep-2021 12:01:04

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	1473862	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	1182761	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	632845	20.0	20.0	
25 Acetonitrile	41	3.557	3.557	0.000	99	403785	200.0	173.2	
36 Isopropyl ether	87	4.363	4.363	0.000	93	286526	20.0	21.4	
37 2-Chloro-1,3-butadiene	53	4.411	4.411	0.000	91	535151	20.0	19.0	
38 Tert-butyl ethyl ether	59	4.683	4.683	0.000	97	883495	20.0	19.7	
43 Ethyl acetate	43	4.849	4.849	0.000	99	497370	40.0	40.0	
42 Propionitrile	54	4.885	4.885	0.000	99	454621	200.0	177.1	
44 Methacrylonitrile	41	5.015	5.015	0.000	91	1796147	200.0	197.2	
163 Isooctane	57	5.680	5.680	0.000	94	1138722	20.0	19.5	
55 Tert-amyl methyl ether	73	5.680	5.680	0.000	81	835548	20.0	19.6	
57 n-Butanol	56	6.035	6.035	0.000	88	203428	500.0	559.7	
59 Ethyl acrylate	55	6.201	6.201	0.000	99	343409	20.0	18.5	
62 Methyl methacrylate	41	6.403	6.403	0.000	88	475211	40.0	37.0	
66 2-Nitropropane	41	6.794	6.794	0.000	96	121772	40.0	23.8	
77 n-Butyl acetate	43	7.944	7.944	0.000	95	389467	20.0	18.2	
81 1-Chlorohexane	91	8.549	8.549	0.000	96	549855	20.0	17.5	
91 Cyclohexanone	55	9.617	9.617	0.000	91	95210	200.0	158.3	
103 Pentachloroethane	167	10.447	10.447	0.000	92	365035	40.0	56.6	
109 1,2,3-Trimethylbenzene	105	10.885	10.885	0.000	98	1465585	20.0	17.8	
110 Benzyl chloride	126	10.968	10.968	0.000	99	110124	20.0	12.8	
114 1,3,5-Trichlorobenzene	180	12.190	12.190	0.000	98	508946	20.0	17.4	
119 2-Methylnaphthalene	142	14.538	14.538	0.000	93	702363	40.0	29.9	
162 1-Methylnaphthalene	142	14.811	14.811	0.000	0	639277	40.0	32.9	

QC Flag Legend

Processing Flags

Reagents:

vmra9w_00407	Amount Added: 16.00	Units: uL
vm50is_stk_A_00009	Amount Added: 2.00	Units: uL

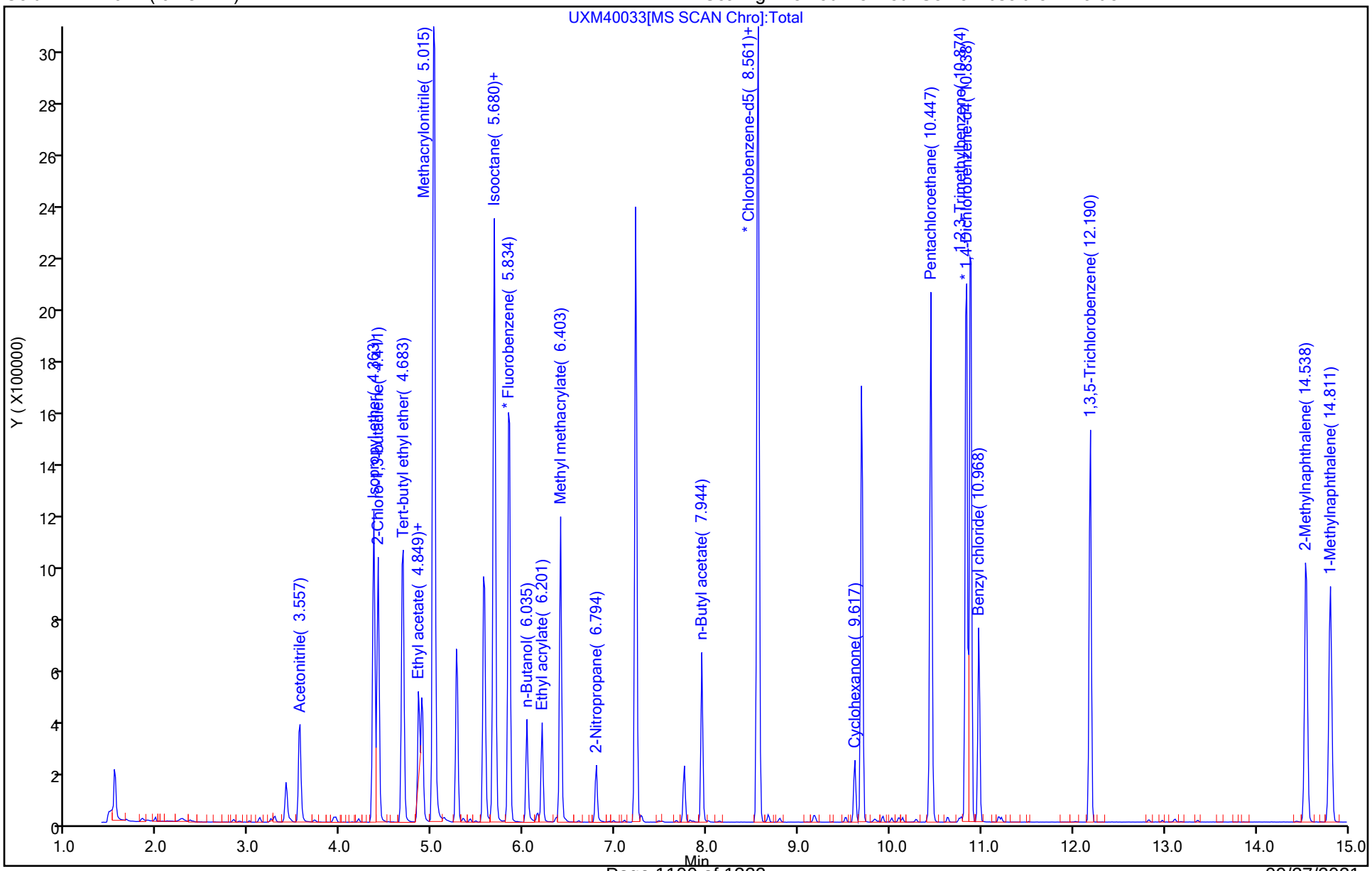
Report Date: 23-Sep-2021 12:01:05 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40033.D

Injection Date:	23-Sep-2021 11:39:30	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.: 240-156133-1

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.: 240-156133-1

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.: 240-156133-1

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	

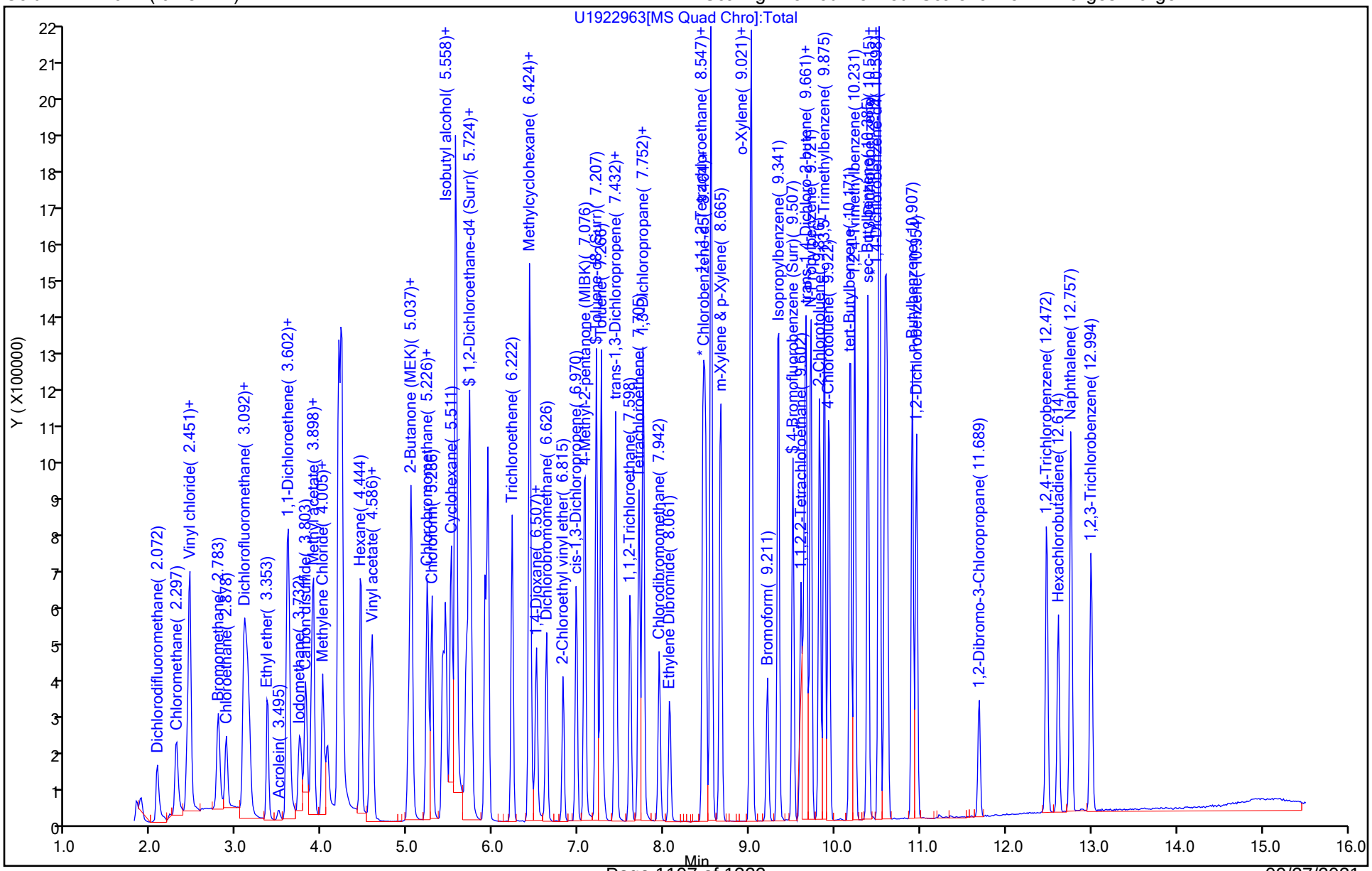
Report Date: 12-Jul-2021 14:50:08 Chrom Revision: 2.3 13-May-2021 07:57:40

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.: 240-156133-1

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

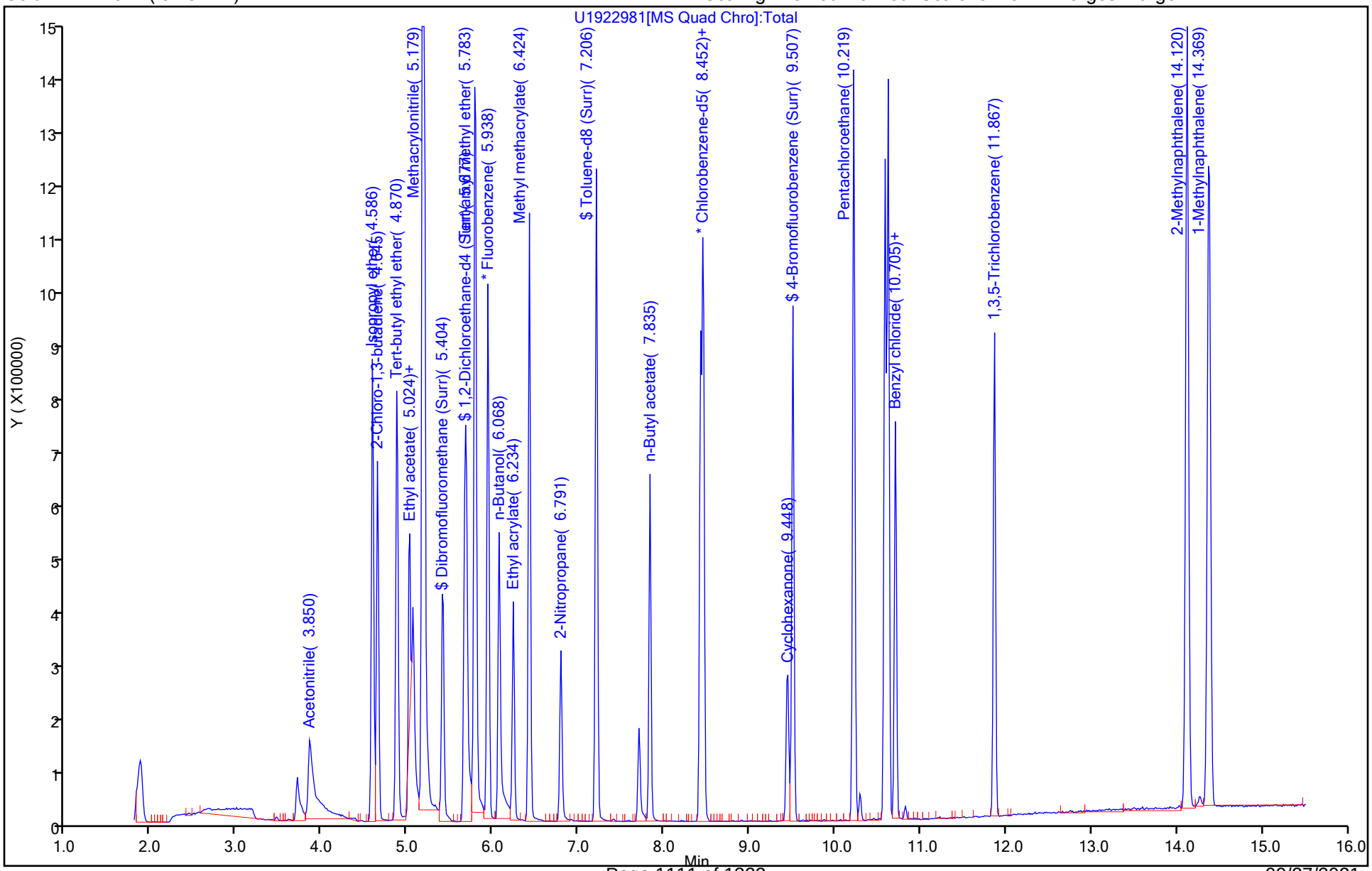
Report Date: 14-Jul-2021 11:19:04 Chrom Revision: 2.3 13-May-2021 07:57:40

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.: 240-156133-1

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

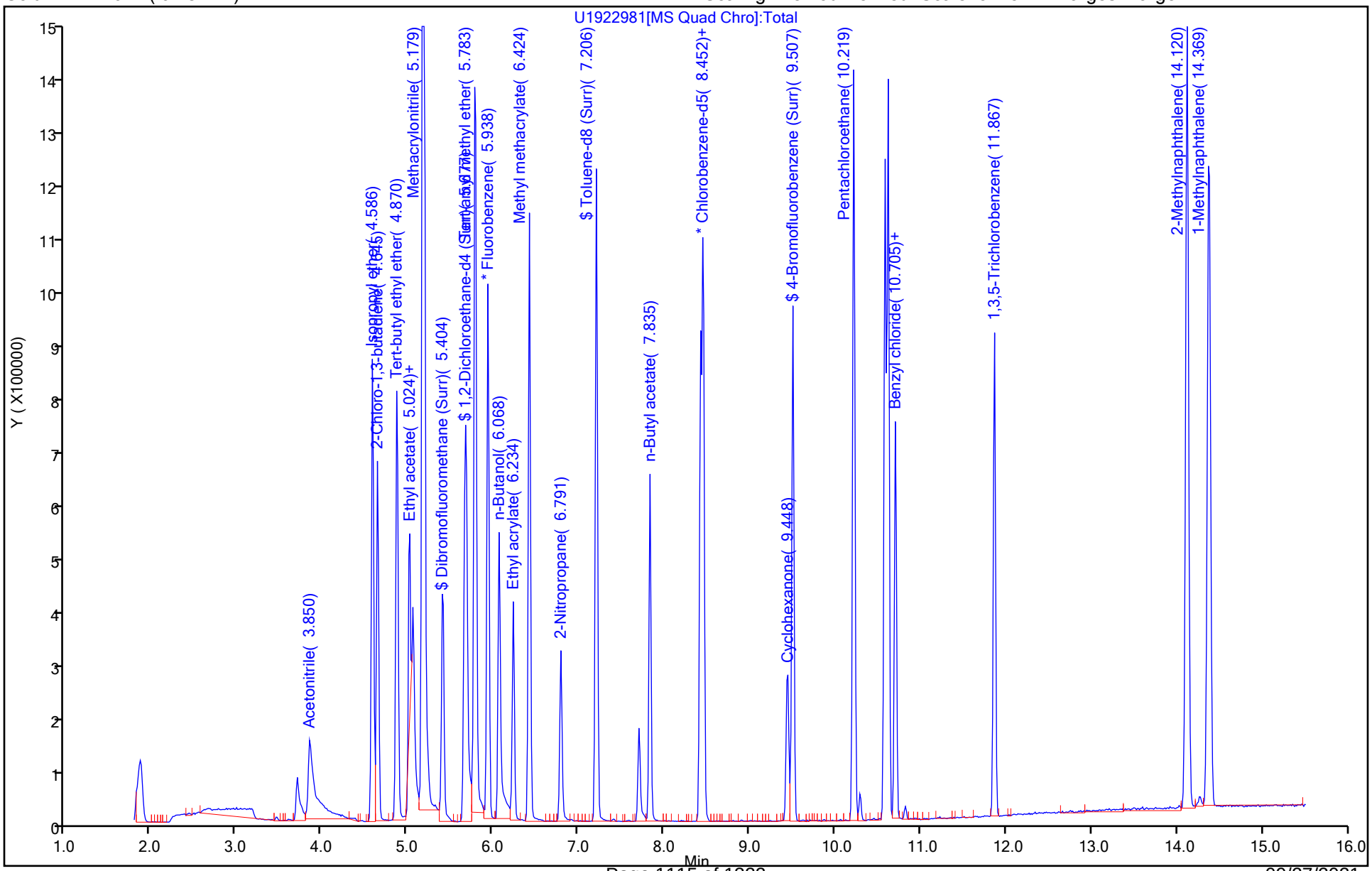
Report Date: 14-Jul-2021 11:19:04 Chrom Revision: 2.3 13-May-2021 07:57:40

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.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: ICV 240-501424/15 Calibration Date: 08/27/2021 20:11

Instrument ID: A3UX19 Calib Start Date: 08/27/2021 17:57

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 08/27/2021 19:48

Lab File ID: U1923847.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
Tetrahydrothiophene	Ave	0.2576	0.2542		0.0208	0.0211	-1.3	30.0
1,4-Dichlorobutane	Ave	0.4879	0.4948		0.0203	0.0200	1.4	30.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923847.d
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 27-Aug-2021 20:11:03 ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0112629-015
Operator ID: 001904 Instrument ID: A3UX19
Sublist:

Method: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 30-Aug-2021 14:59:31 Calib Date: 27-Aug-2021 19:48:52
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923846.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: bosworthh Date: 30-Aug-2021 15:04:25

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	773233	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.452	8.452	0.000	85	597001	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	95	311036	20.0	20.0	
80 Tetrahydrothiophene	60	7.954	7.954	0.000	91	160089	21.1	20.8	
92 1,4-Dichlorobutane	55	9.436	9.436	0.000	97	295424	20.0	20.3	

QC Flag Legend
Processing Flags

Reagents:
vmTHT std_00024 Amount Added: 16.00 Units: uL
vmDCB_00026 Amount Added: 16.00 Units: uL
vm50is_stk_A_00009 Amount Added: 2.00 Units: uL

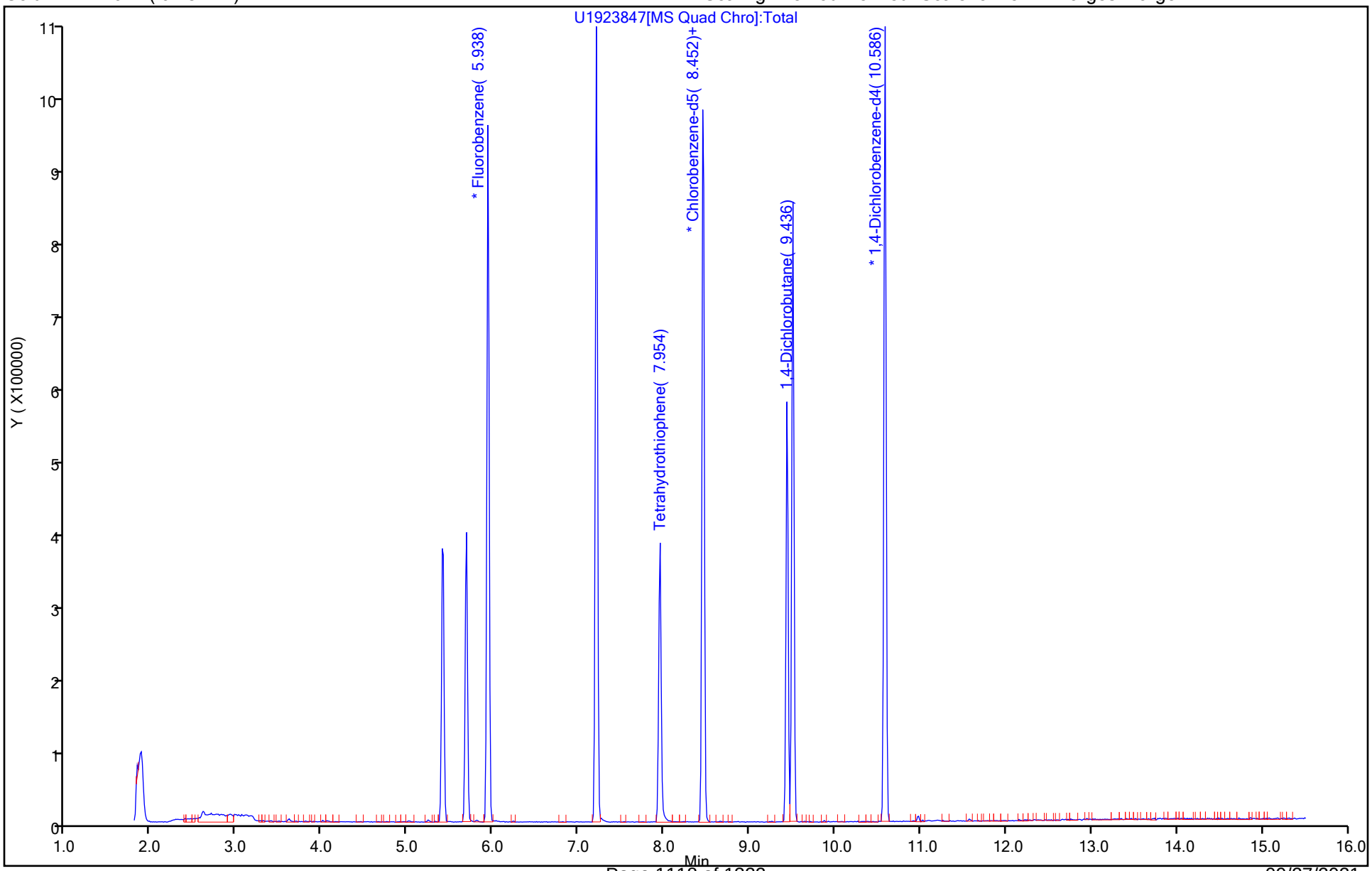
Report Date: 30-Aug-2021 15:04:25 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923847.d

Injection Date:	27-Aug-2021 20:11:03	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	ICV			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



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCV 240-504290/3 Calibration Date: 09/18/2021 11:48

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: U1924231.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	0.0460		0.168	0.200	-16.1	20.0
Diisopropyl ether	Ave	0.2146	0.1829		0.0170	0.0200	-14.8	20.0
2-Chloro-1,3-butadiene	Ave	0.4180	0.3396		0.0162	0.0200	-18.8	20.0
Ethyl-t-butyl ether (ETBE)	Ave	0.7485	0.5772		0.0154	0.0200	-22.9*	20.0
Ethyl acetate	Ave	0.3736	0.3029		0.0324	0.0400	-18.9	20.0
Propionitrile	Ave	0.0657	0.0572		0.174	0.200	-12.9	20.0
Methacrylonitrile	Ave	0.2248	0.1890		0.168	0.200	-15.9	20.0
Tert-amyl-methyl ether (TAME)	Ave	0.8146	0.6484		0.0159	0.0200	-20.4*	20.0
n-Butanol	Ave	0.0170	0.0143		0.420	0.500	-16.0	20.0
Ethyl acrylate	Ave	0.4304	0.3554		0.0165	0.0200	-17.4	20.0
Methyl methacrylate	Ave	0.2859	0.2188		0.0306	0.0400	-23.5*	20.0
2-Nitropropane	Ave	0.1252	0.0761		0.0243	0.0400	-39.2*	20.0
n-Butyl acetate	Ave	0.6631	0.5009		0.0151	0.0200	-24.5*	20.0
1-Chlorohexane	Ave	0.4428	0.4154		0.0188	0.0200	-6.2	20.0
Cyclohexanone	Ave	0.0232	0.0168		0.145	0.200	-27.4*	20.0
Pentachloroethane	Ave	0.3898	0.3811		0.0391	0.0400	-2.2	20.0
1,2,3-Trimethylbenzene	Ave	2.326	2.228		0.0192	0.0200	-4.2	20.0
Benzyl chloride	Ave	1.662	1.367		0.0165	0.0200	-17.7	20.0
1,3,5-Trichlorobenzene	Ave	1.002	0.9529		0.0190	0.0200	-4.9	20.0
2-Methylnaphthalene	Lin1		1.098		0.0261	0.0400	-34.7*	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\U1924231.d
Lims ID: CCV A9
Client ID:
Sample Type: CCV
Inject. Date: 18-Sep-2021 11:48:41 ALS Bottle#: 0 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113275-003
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub13

Method: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 18-Sep-2021 12:08:41 Calib Date: 27-Aug-2021 19:48:52
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923846.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1603

First Level Reviewer: laveyt Date: 18-Sep-2021 12:08:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	783801	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.452	8.452	0.000	84	601427	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	93	307255	20.0	20.0	
26 Acetonitrile	41	3.839	3.839	0.000	99	360189	200.0	167.7	
37 Isopropyl ether	87	4.586	4.586	0.000	90	143347	20.0	17.0	
38 2-Chloro-1,3-butadiene	53	4.645	4.645	0.000	92	266154	20.0	16.2	
39 Tert-butyl ethyl ether	59	4.870	4.870	0.000	96	452403	20.0	15.4	
44 Ethyl acetate	43	5.013	5.013	0.000	99	474813	40.0	32.4	
43 Propionitrile	54	5.060	5.060	0.000	99	448247	200.0	174.2	
45 Methacrylonitrile	41	5.179	5.179	0.000	89	1481335	200.0	168.1	
56 Tert-amyl methyl ether	73	5.783	5.783	0.000	93	508193	20.0	15.9	
58 n-Butanol	56	6.068	6.068	0.000	87	279714	500.0	419.9	
60 Ethyl acrylate	55	6.234	6.234	0.000	99	278566	20.0	16.5	
63 Methyl methacrylate	41	6.424	6.424	0.000	84	343053	40.0	30.6	
67 2-Nitropropane	41	6.791	6.791	0.000	100	119338	40.0	24.3	
78 n-Butyl acetate	43	7.835	7.835	0.000	98	301228	20.0	15.1	
82 1-Chlorohexane	91	8.428	8.428	0.000	95	249816	20.0	18.8	
91 Cyclohexanone	55	9.436	9.436	0.000	91	101323	200.0	145.2	
104 Pentachloroethane	167	10.219	10.219	0.000	88	234217	40.0	39.1	
110 1,2,3-Trimethylbenzene	105	10.622	10.622	0.000	98	684671	20.0	19.2	
111 Benzyl chloride	91	10.705	10.705	0.000	99	420107	20.0	16.5	
115 1,3,5-Trichlorobenzene	180	11.867	11.867	0.000	98	292782	20.0	19.0	
120 2-Methylnaphthalene	142	14.120	14.120	0.000	92	674666	40.0	26.1	
168 1-Methylnaphthalene	142	14.381	14.381	0.000	93	702349	40.0	29.9	
169 Isooctane	57		0.100				ND	ND	

QC Flag Legend

Processing Flags
ND - Not Detected or Marked ND

Reagents:

vm50is_stk_A_00009	Amount Added:	2.00	Units: uL
vmra9w_00406	Amount Added:	16.00	Units: uL

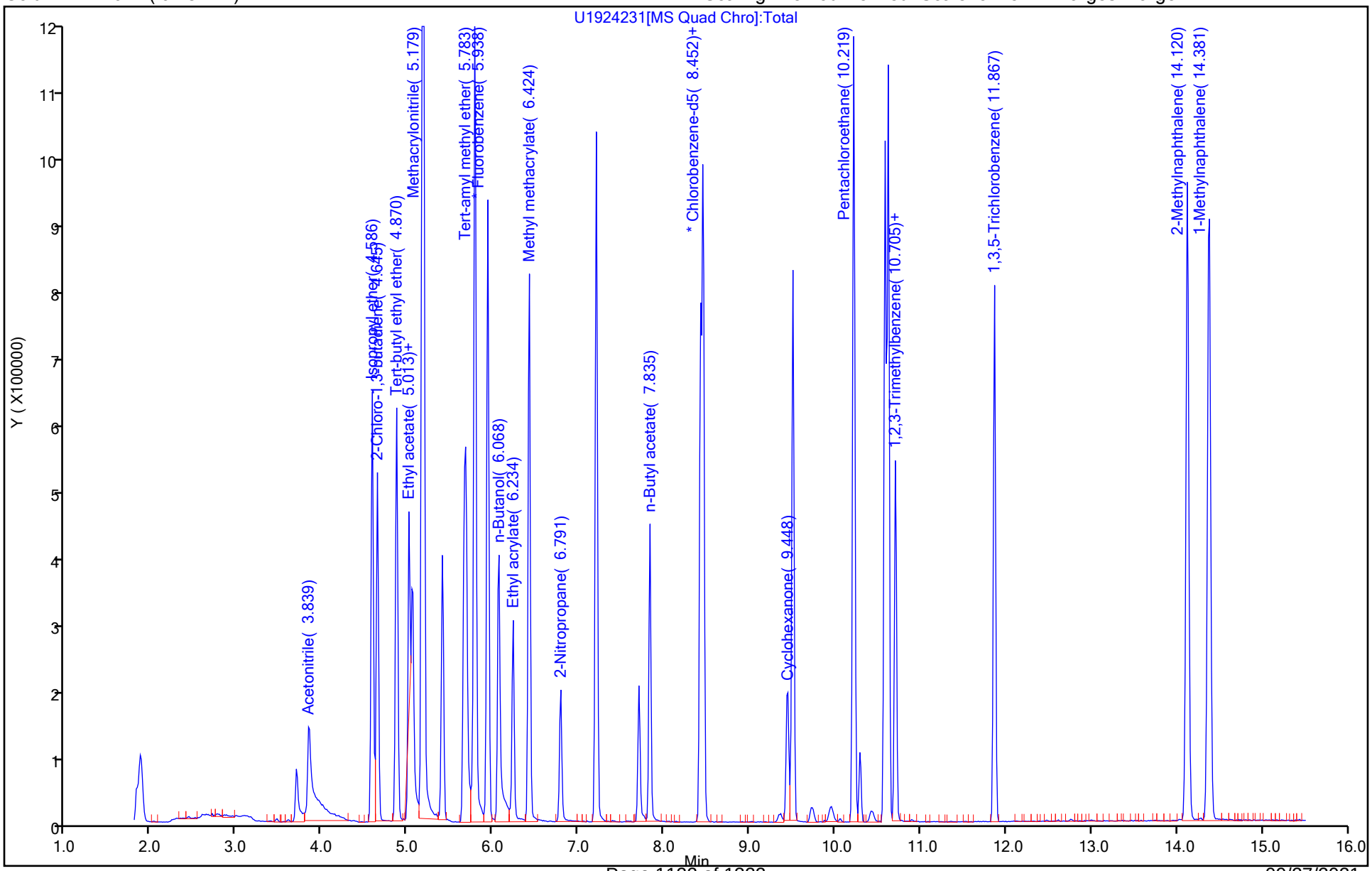
Report Date: 18-Sep-2021 12:08:42 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\U1924231.d

Injection Date:	18-Sep-2021 11:48:41	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.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-504290/4 Calibration Date: 09/18/2021 12:10

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: U1924232.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	0.3661	0.1000	0.0271	0.0200	35.7*	20.0
Chloromethane	Ave	0.4086	0.3510	0.1000	0.0172	0.0200	-14.1	20.0
Vinyl chloride	Ave	0.3837	0.3529	0.1000	0.0184	0.0200	-8.0	20.0
Butadiene	Ave	0.3716	0.3441		0.0185	0.0200	-7.4	20.0
Bromomethane	Ave	0.2884	0.2983	0.0500	0.0207	0.0200	3.4	20.0
Chloroethane	Ave	0.2291	0.2424	0.0500	0.0212	0.0200	5.8	20.0
Dichlorofluoromethane	Ave	0.6152	0.6155		0.0200	0.0200	0.0	20.0
Trichlorofluoromethane	Ave	0.5664	0.6691	0.1000	0.0236	0.0200	18.1	20.0
Ethyl ether	Ave	0.2232	0.1926		0.0173	0.0200	-13.7	20.0
Acrolein	Ave	0.0063	0.0084		0.135	0.100	34.5*	20.0
1,1-Dichloroethene	Ave	0.3776	0.3421	0.1000	0.0181	0.0200	-9.4	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.2403	0.2567	0.0500	0.0214	0.0200	6.8	20.0
Acetone	Ave	0.1334	0.1047	0.0100	0.0314	0.0400	-21.5	50.0
Iodomethane	Ave	0.4534	0.4181		0.0184	0.0200	-7.8	20.0
Carbon disulfide	Ave	0.8214	0.6526	0.1000	0.0159	0.0200	-20.5*	20.0
Methyl acetate	Ave	0.3051	0.2474	0.1000	0.0324	0.0400	-18.9	50.0
3-Chloro-1-propene	Ave	0.4023	0.2904		0.0144	0.0200	-27.8*	20.0
Methylene Chloride	Ave	0.3392	0.2848	0.1000	0.0168	0.0200	-16.1	50.0
tert-Butyl alcohol	Ave	0.0549	0.0371		0.135	0.200	-32.3*	20.0
Acrylonitrile	Ave	0.1533	0.1270		0.166	0.200	-17.2	20.0
Methyl tert-butyl ether	Ave	0.8066	0.6466	0.1000	0.0160	0.0200	-19.8	20.0
trans-1,2-Dichloroethene	Ave	0.3879	0.3358	0.1000	0.0173	0.0200	-13.4	20.0
Hexane	Ave	0.3466	0.3199		0.0185	0.0200	-7.7	20.0
Vinyl acetate	Ave	0.6391	0.4121		0.0129	0.0200	-35.5*	20.0
1,1-Dichloroethane	Ave	0.4744	0.4161	0.2000	0.0175	0.0200	-12.3	20.0
2-Butanone	Ave	0.0565	0.0476	0.0100	0.0337	0.0400	-15.7	50.0
cis-1,2-Dichloroethene	Ave	0.3131	0.2842	0.1000	0.0182	0.0200	-9.2	20.0
2,2-Dichloropropane	Ave	0.3243	0.2698		0.0166	0.0200	-16.8	20.0
Bromochloromethane	Ave	0.2490	0.2069		0.0166	0.0200	-16.9	20.0
Tetrahydrofuran	Ave	0.1511	0.1036		0.0274	0.0400	-31.4*	20.0
Chloroform	Ave	0.5001	0.4619	0.2000	0.0185	0.0200	-7.6	20.0
1,1,1-Trichloroethane	Ave	0.4499	0.4207	0.1000	0.0187	0.0200	-6.5	20.0
Cyclohexane	Ave	0.3665	0.3570	0.1000	0.0195	0.0200	-2.6	20.0
1,1-Dichloropropene	Ave	0.3884	0.3658		0.0188	0.0200	-5.8	20.0
Isobutyl alcohol	Ave	0.0204	0.0153		0.376	0.500	-24.8*	20.0
Carbon tetrachloride	Ave	0.4105	0.3894	0.1000	0.0190	0.0200	-5.2	20.0
Benzene	Ave	1.043	0.9768	0.5000	0.0187	0.0200	-6.3	20.0
1,2-Dichloroethane	Ave	0.4037	0.3422	0.1000	0.0170	0.0200	-15.2	20.0
n-Heptane	Lin1		0.1669		0.0170	0.0200	-15.0	20.0
Trichloroethene	Ave	0.3268	0.3070	0.1500	0.0188	0.0200	-6.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-504290/4 Calibration Date: 09/18/2021 12:10

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: U1924232.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	0.3942	0.1000	0.0187	0.0200	-6.4	20.0
1,2-Dichloropropane	Ave	0.2560	0.2200	0.1000	0.0172	0.0200	-14.1	20.0
1,4-Dioxane	Ave	0.0047	0.0044		0.375	0.400	-6.2	50.0
Dibromomethane	Ave	0.2338	0.2173		0.0186	0.0200	-7.1	20.0
Bromodichloromethane	Ave	0.3738	0.3173	0.1500	0.0170	0.0200	-15.1	20.0
2-Chloroethyl vinyl ether	Ave	0.1938	0.1559		0.0322	0.0400	-19.6	20.0
cis-1,3-Dichloropropene	Ave	0.4394	0.3407	0.1500	0.0155	0.0200	-22.5	50.0
4-Methyl-2-pentanone	Ave	0.4235	0.3072	0.0500	0.0290	0.0400	-27.5	50.0
Toluene	Ave	1.410	1.406	0.4000	0.0199	0.0200	-0.3	20.0
trans-1,3-Dichloropropene	Ave	0.5402	0.4293	0.1000	0.0159	0.0200	-20.5*	20.0
Ethyl methacrylate	Ave	0.4769	0.3998		0.0168	0.0200	-16.2	20.0
1,1,2-Trichloroethane	Ave	0.2994	0.3019	0.1000	0.0202	0.0200	0.9	20.0
Tetrachloroethene	Ave	0.4206	0.4363	0.1500	0.0207	0.0200	3.7	20.0
1,3-Dichloropropane	Ave	0.5132	0.5019		0.0196	0.0200	-2.2	20.0
2-Hexanone	Ave	0.4173	0.3165	0.0500	0.0303	0.0400	-24.1	50.0
Dibromochloromethane	Ave	0.3735	0.3443		0.0184	0.0200	-7.8	20.0
1,2-Dibromoethane	Ave	0.3506	0.3371		0.0192	0.0200	-3.9	20.0
Chlorobenzene	Ave	0.9300	0.9205	0.3000	0.0198	0.0200	-1.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3644	0.3466		0.0190	0.0200	-4.9	20.0
Ethylbenzene	Ave	0.5052	0.4941		0.0196	0.0200	-2.2	20.0
m-Xylene & p-Xylene	Ave	0.6144	0.6029		0.0196	0.0200	-1.9	20.0
o-Xylene	Ave	0.5999	0.5727		0.0191	0.0200	-4.5	20.0
Styrene	Ave	0.9748	0.9300	0.3000	0.0191	0.0200	-4.6	20.0
Bromoform	Ave	0.3022	0.2627	0.1000	0.0174	0.0200	-13.1	20.0
Isopropylbenzene	Ave	1.536	1.509	0.1000	0.0196	0.0200	-1.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8537	0.8411	0.3000	0.0197	0.0200	-1.5	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3313	0.1981		0.0120	0.0200	-40.2*	20.0
Bromobenzene	Ave	0.7625	0.7822		0.0205	0.0200	2.6	20.0
1,2,3-Trichloropropane	Ave	0.3113	0.3080		0.0198	0.0200	-1.1	20.0
n-Propylbenzene	Ave	0.7745	0.7707		0.0199	0.0200	-0.5	20.0
2-Chlorotoluene	Ave	0.6710	0.6793		0.0202	0.0200	1.2	20.0
1,3,5-Trimethylbenzene	Ave	2.245	2.233		0.0199	0.0200	-0.5	20.0
4-Chlorotoluene	Ave	0.7141	0.7064		0.0198	0.0200	-1.1	20.0
tert-Butylbenzene	Ave	1.954	1.890		0.0193	0.0200	-3.3	20.0
1,2,4-Trimethylbenzene	Ave	2.283	2.279		0.0200	0.0200	-0.2	20.0
sec-Butylbenzene	Ave	2.725	2.682		0.0197	0.0200	-1.6	20.0
1,3-Dichlorobenzene	Ave	1.413	1.414	0.6000	0.0200	0.0200	0.0	20.0
p-Isopropyltoluene	Ave	2.414	2.324		0.0192	0.0200	-3.8	20.0
1,4-Dichlorobenzene	Ave	1.445	1.431	0.5000	0.0198	0.0200	-0.9	20.0
n-Butylbenzene	Ave	2.071	1.899		0.0183	0.0200	-8.3	20.0
1,2-Dichlorobenzene	Ave	1.346	1.368	0.4000	0.0203	0.0200	1.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCVIS 240-504290/4 Calibration Date: 09/18/2021 12:10

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: U1924232.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	0.2391	0.0500	0.0164	0.0200	-18.2	50.0
1,2,4-Trichlorobenzene	Ave	0.9320	0.7915	0.2000	0.0170	0.0200	-15.1	50.0
Hexachlorobutadiene	Ave	0.3858	0.3328		0.0173	0.0200	-13.7	50.0
Naphthalene	Ave	3.033	2.453		0.0162	0.0200	-19.1	50.0
1,2,3-Trichlorobenzene	Ave	0.8790	0.7796		0.0177	0.0200	-11.3	20.0
Dibromofluoromethane (Surr)	Ave	0.2834	0.2701		0.0191	0.0200	-4.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3362	0.2916		0.0173	0.0200	-13.3	20.0
Toluene-d8 (Surr)	Ave	1.209	1.217		0.0201	0.0200	0.7	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4458	0.4612		0.0207	0.0200	3.5	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\U1924232.d
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 18-Sep-2021 12:10:51 ALS Bottle#: 0 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113275-004
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub1

Method: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 18-Sep-2021 12:51:56 Calib Date: 27-Aug-2021 19:48:52
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923846.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1603

First Level Reviewer: laveyt Date: 18-Sep-2021 12:51:56

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	99	811058	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.452	8.452	0.000	84	594048	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	93	329724	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.404	5.404	0.000	95	219056	20.0	19.1	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	99	236530	20.0	17.3	
$ 6 Toluene-d8 (Surr)	98	7.207	7.207	0.000	93	723195	20.0	20.1	
$ 7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	96	273974	20.0	20.7	
9 Dichlorodifluoromethane	85	2.072	2.072	0.000	99	296964	20.0	27.1	
10 Chloromethane	50	2.297	2.297	0.000	99	284660	20.0	17.2	
12 Vinyl chloride	62	2.428	2.428	0.000	98	286201	20.0	18.4	
11 Butadiene	54	2.463	2.463	0.000	90	279070	20.0	18.5	
13 Bromomethane	94	2.795	2.795	0.000	93	241928	20.0	20.7	
15 Chloroethane	64	2.890	2.890	0.000	99	196574	20.0	21.2	
16 Dichlorofluoromethane	67	3.092	3.092	0.000	97	499203	20.0	20.0	
17 Trichlorofluoromethane	101	3.127	3.127	0.000	98	542651	20.0	23.6	
18 Ethyl ether	59	3.364	3.364	0.000	89	156224	20.0	17.3	
19 Acrolein	56	3.495	3.495	0.000	98	34109	100.0	134.5	
20 1,1-Dichloroethene	61	3.590	3.590	0.000	98	277452	20.0	18.1	
21 112TCTFE	101	3.614	3.614	0.000	92	208190	20.0	21.4	
22 Acetone	43	3.614	3.614	0.000	94	169847	40.0	31.4	
24 Iodomethane	142	3.732	3.732	0.000	99	339114	20.0	18.4	
25 Carbon disulfide	76	3.815	3.815	0.000	99	529335	20.0	15.9	
28 Methyl acetate	43	3.874	3.874	0.000	96	401342	40.0	32.4	
27 3-Chloro-1-propene	41	3.898	3.898	0.000	88	235551	20.0	14.4	
29 Methylene Chloride	49	4.005	4.005	0.000	88	230964	20.0	16.8	
30 2-Methyl-2-propanol	59	4.064	4.064	0.000	97	301052	200.0	135.3	
31 Acrylonitrile	53	4.195	4.195	0.000	98	1029854	200.0	165.7	
33 Methyl tert-butyl ether	73	4.218	4.218	0.000	94	524411	20.0	16.0	
32 trans-1,2-Dichloroethene	61	4.230	4.230	0.000	97	272388	20.0	17.3	
34 Hexane	57	4.455	4.455	0.000	90	259496	20.0	18.5	
36 Vinyl acetate	43	4.562	4.562	0.000	97	334266	20.0	12.9	

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	337462	20.0	17.5	
40 2-Butanone (MEK)	72	5.013	5.013	0.000	99	77261	40.0	33.7	
41 cis-1,2-Dichloroethene	96	5.037	5.037	0.000	80	230538	20.0	18.2	
42 2,2-Dichloropropane	77	5.048	5.048	0.000	88	218843	20.0	16.6	
46 Chlorobromomethane	49	5.226	5.226	0.000	86	167802	20.0	16.6	
47 Tetrahydrofuran	42	5.238	5.238	0.000	82	168068	40.0	27.4	
48 Chloroform	83	5.286	5.286	0.000	92	374653	20.0	18.5	
49 1,1,1-Trichloroethane	97	5.440	5.440	0.000	97	341206	20.0	18.7	
50 Cyclohexane	84	5.511	5.511	0.000	85	289568	20.0	19.5	
51 1,1-Dichloropropene	75	5.558	5.558	0.000	91	296676	20.0	18.8	
53 Isobutyl alcohol	41	5.558	5.558	0.000	81	311087	500.0	376.1	
52 Carbon tetrachloride	117	5.570	5.570	0.000	96	315817	20.0	19.0	
54 Benzene	78	5.724	5.724	0.000	95	792213	20.0	18.7	
55 1,2-Dichloroethane	62	5.748	5.748	0.000	97	277582	20.0	17.0	
57 n-Heptane	57	5.902	5.914	-0.012	86	135367	20.0	17.0	
59 Trichloroethene	130	6.222	6.222	0.000	96	249005	20.0	18.8	
61 Methylcyclohexane	83	6.424	6.424	0.000	91	319680	20.0	18.7	
62 1,2-Dichloropropane	63	6.436	6.436	0.000	94	178405	20.0	17.2	
65 1,4-Dioxane	88	6.471	6.471	0.000	90	71406	400.0	375.3	
64 Dibromomethane	174	6.507	6.507	0.000	91	176209	20.0	18.6	
66 Dichlorobromomethane	83	6.626	6.626	0.000	98	257360	20.0	17.0	
68 2-Chloroethyl vinyl ether	63	6.815	6.815	0.000	92	252865	40.0	32.2	
69 cis-1,3-Dichloropropene	75	6.970	6.970	0.000	96	276363	20.0	15.5	
70 4-Methyl-2-pentanone (MIBK)	43	7.064	7.064	0.000	95	498239	40.0	29.0	
71 Toluene	91	7.266	7.266	0.000	98	835058	20.0	19.9	
72 trans-1,3-Dichloropropene	75	7.432	7.432	0.000	97	254999	20.0	15.9	
73 Ethyl methacrylate	69	7.444	7.444	0.000	83	237529	20.0	16.8	
74 1,1,2-Trichloroethane	97	7.598	7.598	0.000	92	179363	20.0	20.2	
75 Tetrachloroethene	166	7.705	7.705	0.000	97	259168	20.0	20.7	
76 1,3-Dichloropropane	76	7.752	7.752	0.000	94	298154	20.0	19.6	
77 2-Hexanone	43	7.752	7.752	0.000	94	376063	40.0	30.3	
79 Chlorodibromomethane	129	7.942	7.942	0.000	88	204538	20.0	18.4	
81 Ethylene Dibromide	107	8.061	8.061	0.000	98	200252	20.0	19.2	
83 Chlorobenzene	112	8.487	8.487	0.000	96	546828	20.0	19.8	
84 1,1,1,2-Tetrachloroethane	131	8.547	8.547	0.000	47	205916	20.0	19.0	
85 Ethylbenzene	106	8.547	8.547	0.000	98	293491	20.0	19.6	
86 m-Xylene & p-Xylene	106	8.665	8.665	0.000	100	358131	20.0	19.6	
87 o-Xylene	106	9.009	9.009	0.000	97	340207	20.0	19.1	
88 Styrene	104	9.021	9.021	0.000	94	552442	20.0	19.1	
89 Bromoform	173	9.211	9.211	0.000	96	156034	20.0	17.4	
90 Isopropylbenzene	105	9.341	9.341	0.000	96	896231	20.0	19.6	
93 1,1,2,2-Tetrachloroethane	83	9.602	9.602	0.000	96	277329	20.0	19.7	
97 trans-1,4-Dichloro-2-butene	53	9.638	9.638	0.000	85	65329	20.0	12.0	
95 Bromobenzene	156	9.661	9.661	0.000	88	257923	20.0	20.5	
96 1,2,3-Trichloropropane	110	9.673	9.673	0.000	81	101571	20.0	19.8	
98 N-Propylbenzene	120	9.721	9.721	0.000	98	254119	20.0	19.9	
100 2-Chlorotoluene	126	9.816	9.816	0.000	97	223986	20.0	20.2	
101 1,3,5-Trimethylbenzene	105	9.875	9.875	0.000	94	736289	20.0	19.9	
102 4-Chlorotoluene	126	9.934	9.934	0.000	97	232915	20.0	19.8	
103 tert-Butylbenzene	119	10.183	10.183	0.000	92	623108	20.0	19.3	
105 1,2,4-Trimethylbenzene	105	10.231	10.231	0.000	96	751341	20.0	20.0	
106 sec-Butylbenzene	105	10.385	10.385	0.000	94	884240	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
108 4-Isopropyltoluene	119	10.515	10.515	0.000	96	766160	20.0	19.2	
107 1,3-Dichlorobenzene	146	10.515	10.515	0.000	97	466334	20.0	20.0	
109 1,4-Dichlorobenzene	146	10.610	10.610	0.000	95	471921	20.0	19.8	
112 n-Butylbenzene	91	10.907	10.907	0.000	97	626097	20.0	18.3	
113 1,2-Dichlorobenzene	146	10.954	10.954	0.000	99	450962	20.0	20.3	
114 1,2-Dibromo-3-Chloropropane	157	11.689	11.689	0.000	88	78845	20.0	16.4	
116 1,2,4-Trichlorobenzene	180	12.484	12.484	0.000	94	260991	20.0	17.0	
117 Hexachlorobutadiene	225	12.614	12.614	0.000	96	109744	20.0	17.3	
118 Naphthalene	128	12.757	12.757	0.000	97	808670	20.0	16.2	
119 1,2,3-Trichlorobenzene	180	12.994	12.994	0.000	96	257066	20.0	17.7	
S 124 Total BTEX	1				0		100.0	97.0	
S 125 Trihalomethanes, Total	1				0		80.0	71.3	
S 128 Xylenes, Total	106				0		40.0	38.7	

QC Flag Legend

Processing Flags

Reagents:

vmarolistdw_00408	Amount Added: 16.00	Units: uL	
vmrprimw_00451	Amount Added: 16.00	Units: uL	
vmrgas_00400	Amount Added: 16.00	Units: uL	
vm50ss_stk_00088	Amount Added: 2.00	Units: uL	Run Reagent
vmDist_H2o_00201	Amount Added: 0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added: 2.00	Units: uL	Run Reagent

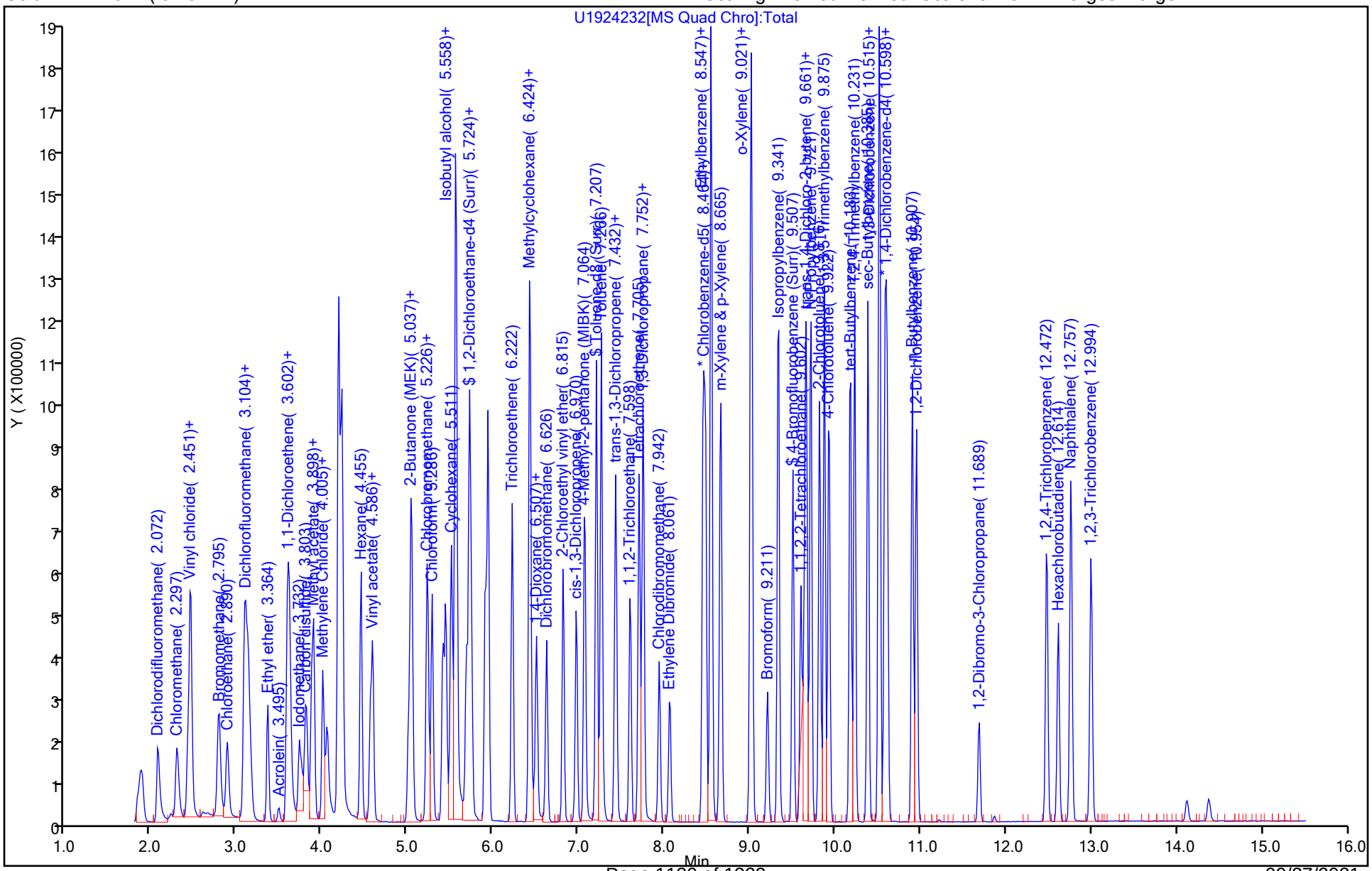
Report Date: 18-Sep-2021 12:51:57 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\U1924232.d

Injection Date:	18-Sep-2021 12:10:51	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.: 240-156133-1

SDG No.: Frog Mortar Creek

Lab Sample ID: CCV 240-504290/5 Calibration Date: 09/18/2021 12:33

Instrument ID: A3UX19 Calib Start Date: 08/27/2021 17:57

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 08/27/2021 19:48

Lab File ID: U1924233.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
Tetrahydrothiophene	Ave	0.2576	0.2306		0.0189	0.0211	-10.5	20.0
1,4-Dichlorobutane	Ave	0.4879	0.4634		0.0190	0.0200	-5.0	20.0

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\U1924233.d
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 18-Sep-2021 12:33:01 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113275-005
Operator ID: 001904 Instrument ID: A3UX19
Sublist: chrom-8260_19*sub12

Method: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 18-Sep-2021 12:52:45 Calib Date: 27-Aug-2021 19:48:52
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923846.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1603

First Level Reviewer: laveyt Date: 18-Sep-2021 12:52:45

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	761706	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.452	8.452	0.000	85	574369	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	94	294364	20.0	20.0	
80 Tetrahydrothiophene	60	7.954	7.954	0.000	90	139708	21.1	18.9	
92 1,4-Dichlorobutane	55	9.436	9.436	0.000	97	266158	20.0	19.0	

Reagents:

vm50is_stk_A_00009 Amount Added: 2.00 Units: uL
vmTHT std_00024 Amount Added: 16.00 Units: uL
vmDCB_00025 Amount Added: 16.00 Units: uL

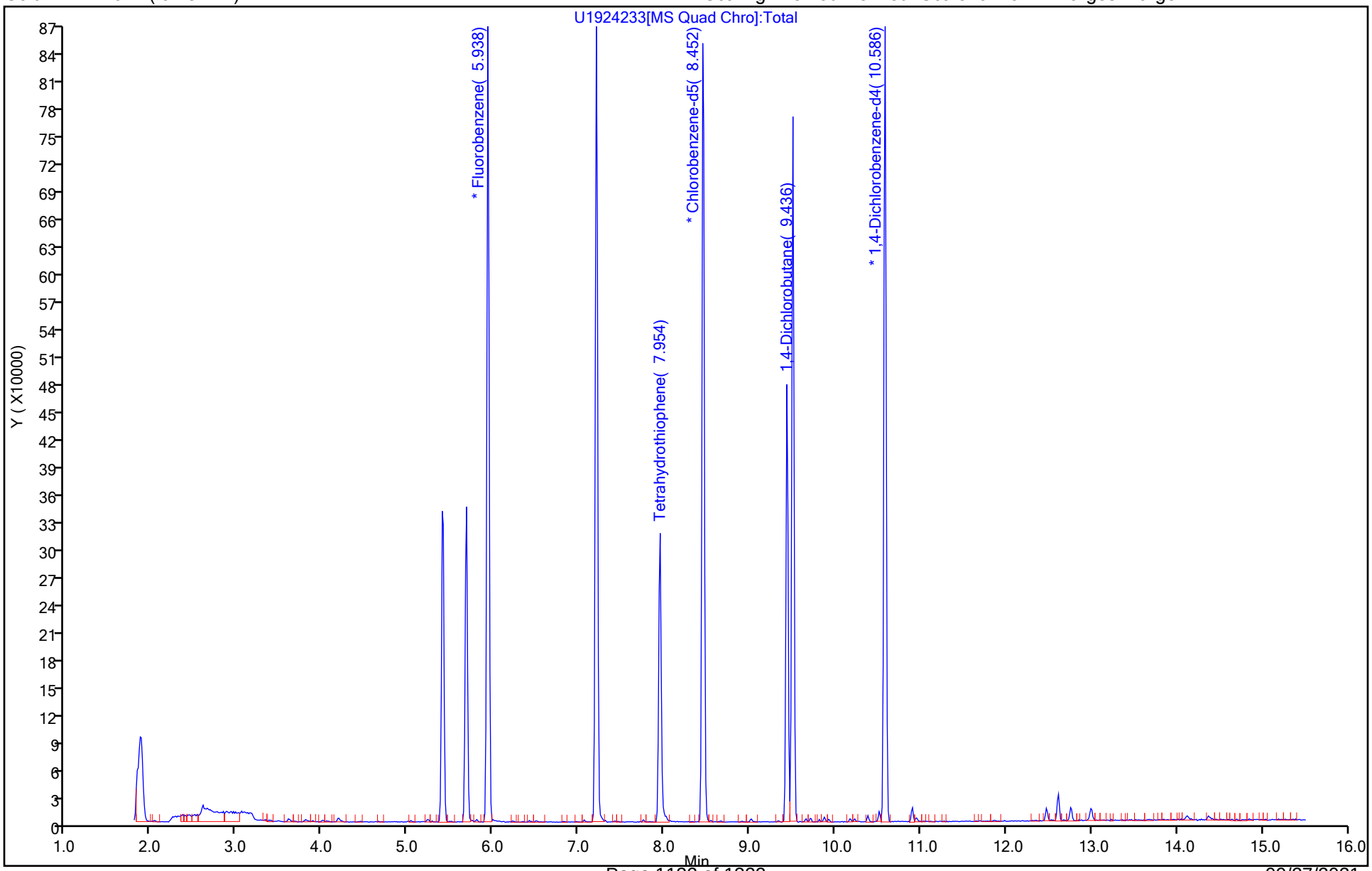
Report Date: 18-Sep-2021 12:52:45 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\U1924233.d

Injection Date:	18-Sep-2021 12:33:01	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	CCV			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
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:

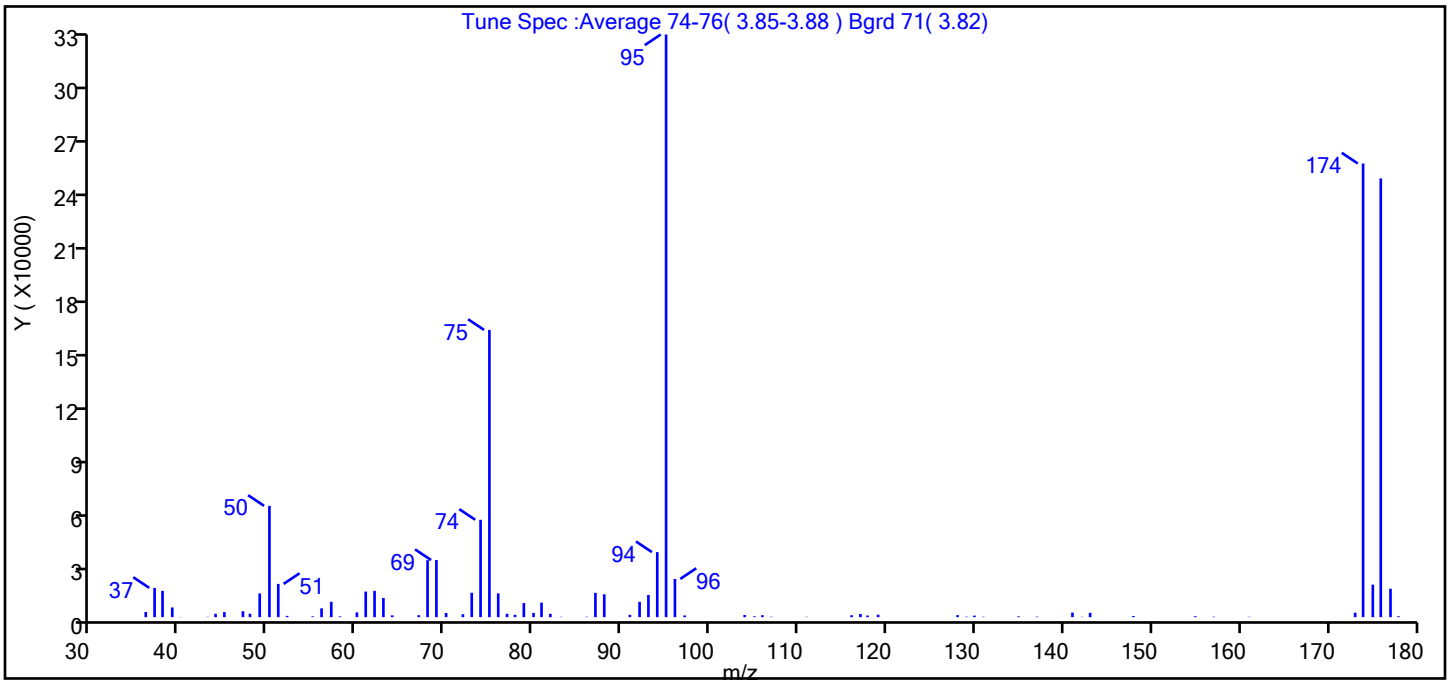
vmbfb_00026 Amount Added: 1.00 Units: uL

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		

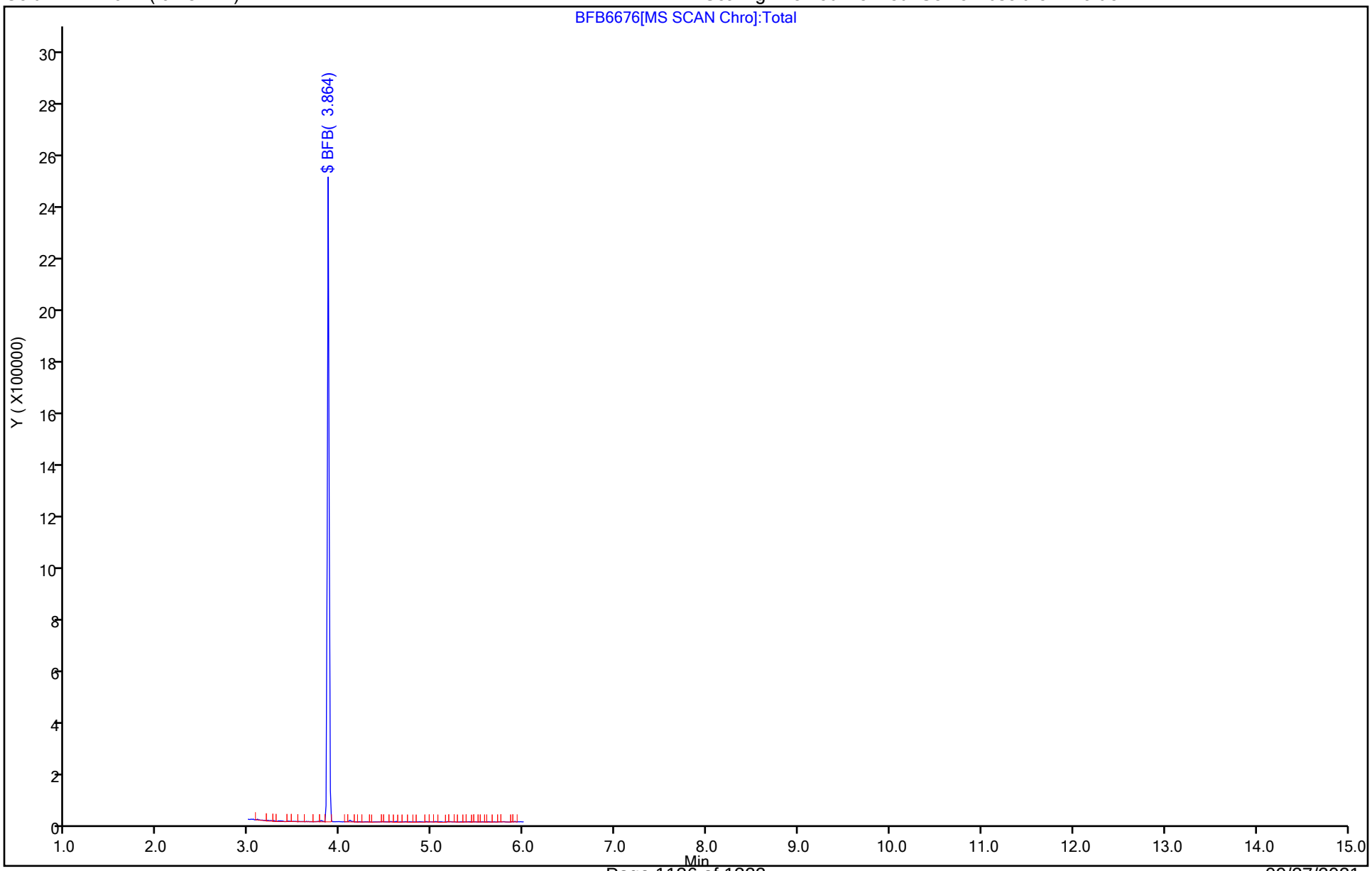
Report Date: 26-Apr-2021 08:38:39 Chrom Revision: 2.3 08-Apr-2021 17:17:48

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\20210918-113269.b\BFB1369.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 18-Sep-2021 09:50:30 ALS Bottle#: 79 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0113269-001
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 18-Sep-2021 10:06:52 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: CTX1668

First Level Reviewer: bosworthh Date: 18-Sep-2021 10:06:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 8 BFB	95	3.900	3.900	0.000	0	272516	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

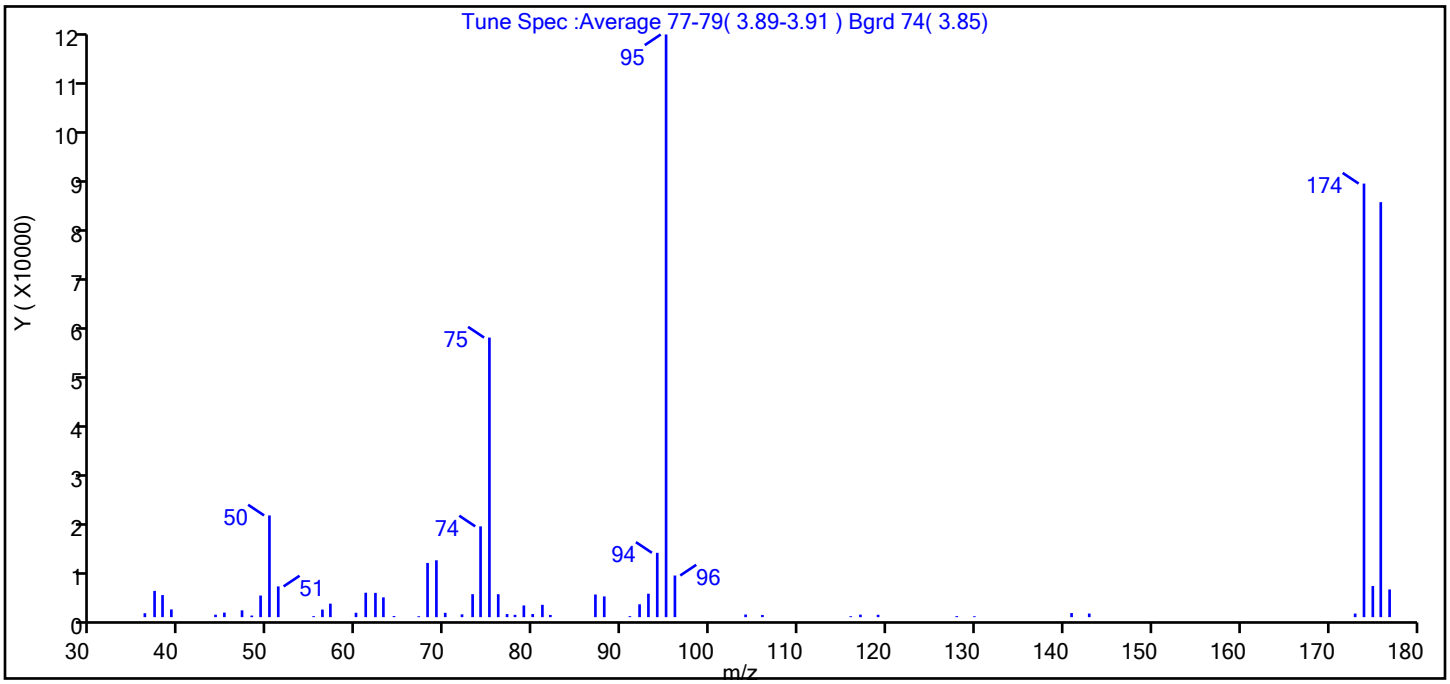
vmbfb_00027 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\BFB1369.D
Injection Date: 18-Sep-2021 09:50:30 Instrument ID: A3UX16
Lims ID: BFB
Client ID:
Operator ID: 001765 ALS Bottle#: 79 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260_16 Limit Group: MSV 8260C ICAL
Tune Method: BFB Method 8260

$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.5
75	30 to 60% of m/z 95	48.0
96	5 to 9% of m/z 95	7.1
173	Less than 2% of m/z 174	0.6 (0.8)
174	50 to 120% of m/z 95	74.4
175	5 to 9% of m/z 174	5.3 (7.2)
176	Greater than 95% but less than 101% of m/z 174	71.2 (95.7)
177	5 to 9% of m/z 176	4.8 (6.7)

Data File: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\BFB1369.D\8260_16.rslt\spectra.d
Injection Date: 18-Sep-2021 09:50:30
Spectrum: Tune Spec :Average 77-79(3.89-3.91) 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	738	60.00	829	77.00	583	104.00	496
37.00	4963	61.00	4614	78.00	440	106.00	411
38.00	4166	62.00	4585	79.00	2209	116.00	172
39.00	1458	63.00	3737	80.00	592	117.00	470
44.00	462	64.00	204	81.00	2327	119.00	448
45.00	860	67.00	168	82.00	418	128.00	191
47.00	1286	68.00	10237	87.00	4275	130.00	166
48.00	300	69.00	10736	88.00	3916	141.00	773
49.00	4081	70.00	814	91.00	179	143.00	682
50.00	19208	72.00	532	92.00	2425	173.00	676
51.00	5804	73.00	4339	93.00	4427	174.00	81880
55.00	186	74.00	17144	94.00	12151	175.00	5879
56.00	1429	75.00	52800	95.00	110040	176.00	78376
57.00	2550	76.00	4331	96.00	7864	177.00	5235

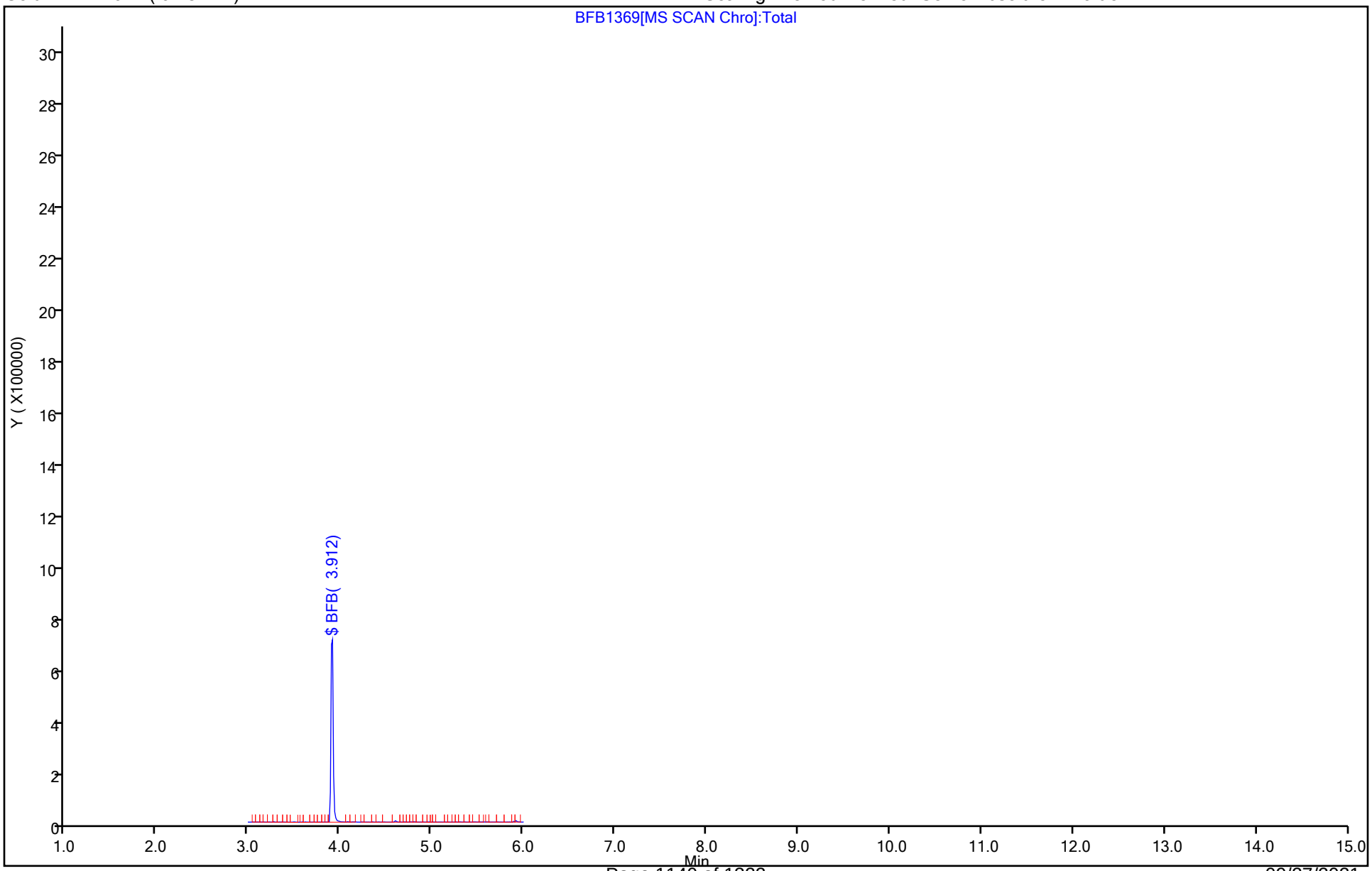
Report Date: 18-Sep-2021 10:06:52 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\BFB1369.D

Injection Date:	18-Sep-2021 09:50:30	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#:	79
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\20210920-113298.b\BFB1370.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 20-Sep-2021 09:58:30 ALS Bottle#: 80 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0113298-001
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 10:08:58 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: CTX1626

First Level Reviewer: bosworthh Date: 20-Sep-2021 10:08:58

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 8 BFB	95	3.900	3.900	0.000	0	349730	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

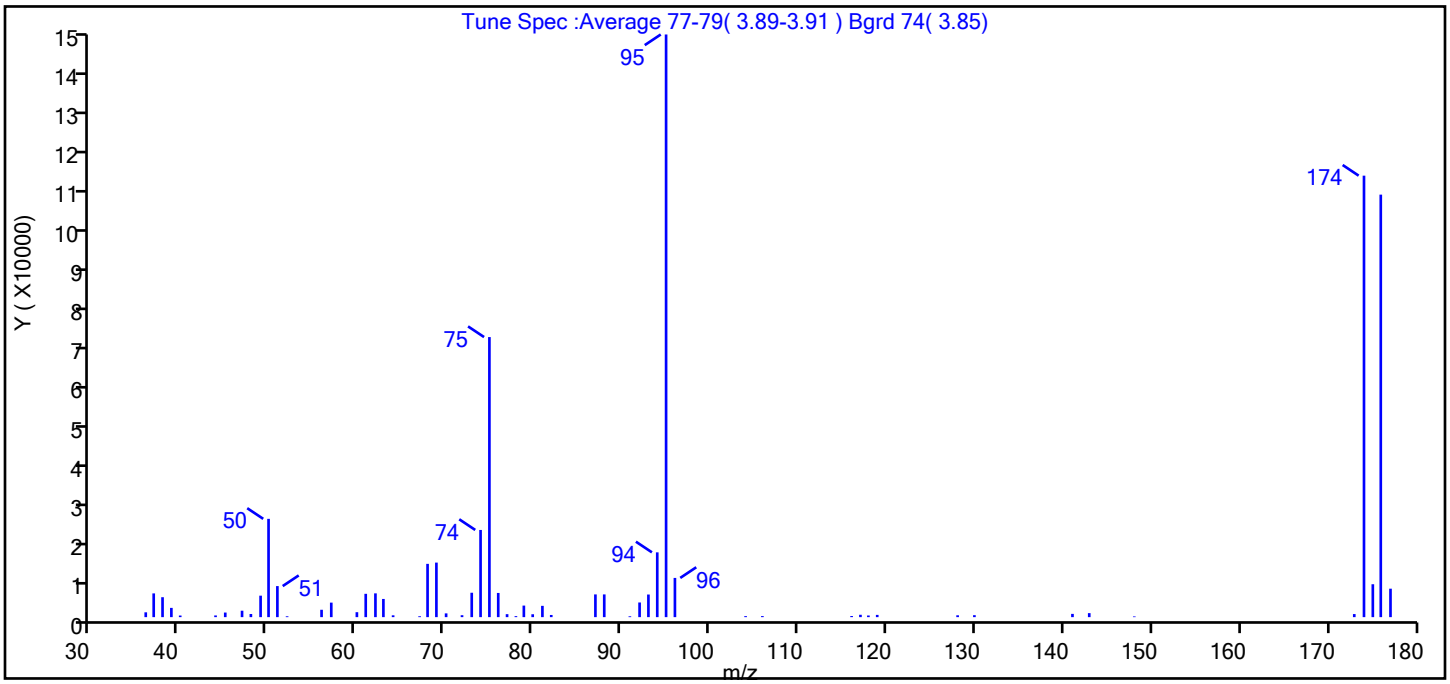
vmbfb_00027 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\BFB1370.D
Injection Date: 20-Sep-2021 09:58:30 Instrument ID: A3UX16
Lims ID: BFB
Client ID:
Operator ID: 001765 ALS Bottle#: 80 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	16.9
75	30 to 60% of m/z 95	48.1
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.5 (0.7)
174	50 to 120% of m/z 95	75.8
175	5 to 9% of m/z 174	5.6 (7.5)
176	Greater than 95% but less than 101% of m/z 174	72.5 (95.7)
177	5 to 9% of m/z 176	4.9 (6.7)

Data File: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\BFB1370.D\8260_16.rslt\spectra.d
Injection Date: 20-Sep-2021 09:58:30
Spectrum: Tune Spec :Average 77-79(3.89-3.91) Bgrd 74(3.85)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 59

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1207	60.00	1238	78.00	252	116.00	279
37.00	5939	61.00	5833	79.00	2891	117.00	594
38.00	4985	62.00	5948	80.00	725	118.00	413
39.00	2317	63.00	4551	81.00	2825	119.00	564
40.00	403	64.00	458	82.00	544	128.00	464
44.00	425	67.00	222	87.00	5685	130.00	493
45.00	1149	68.00	13327	88.00	5685	141.00	815
47.00	1610	69.00	13642	91.00	209	143.00	1003
48.00	787	70.00	942	92.00	3667	148.00	174
49.00	5371	72.00	484	93.00	5658	173.00	771
50.00	24584	73.00	6105	94.00	16207	174.00	110416
51.00	7768	74.00	21808	95.00	145728	175.00	8231
52.00	215	75.00	70048	96.00	9809	176.00	105672
56.00	1845	76.00	6050	104.00	252	177.00	7116
57.00	3633	77.00	744	106.00	260		

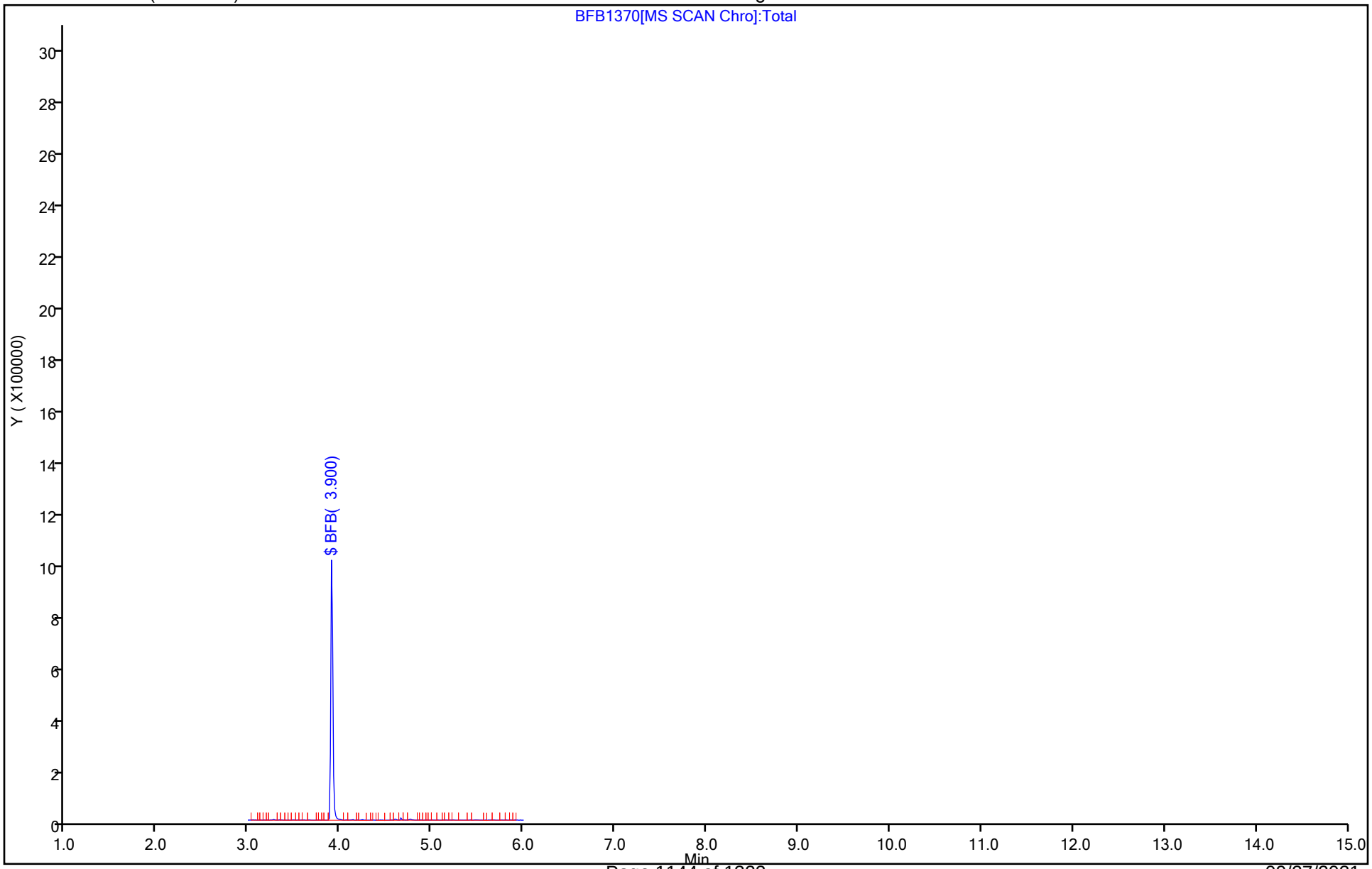
Report Date: 20-Sep-2021 10:08:59 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\BFB1370.D

Injection Date:	20-Sep-2021 09:58:30	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#:	80
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\20210923-113440.b\BFB1373.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 23-Sep-2021 10:50:30 ALS Bottle#: 83 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0113440-001
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Sep-2021 11:00:32 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: CTX1664

First Level Reviewer: bosworthh Date: 23-Sep-2021 11:00:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 8 BFB	95	3.900	3.900	0.000	0	370006	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

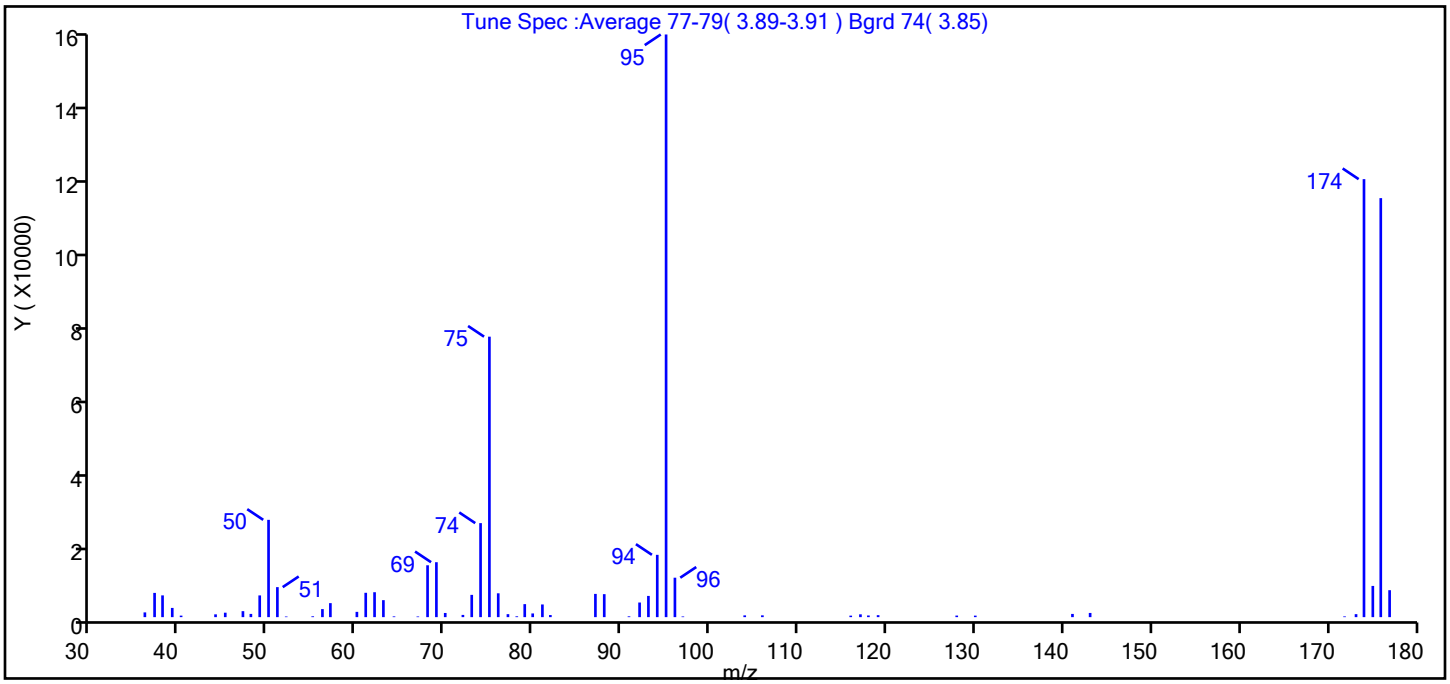
vmbfb_00027 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Canton

Data File:	\\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\BFB1373.D				
Injection Date:	23-Sep-2021 10:50:30	Instrument ID:	A3UX16		
Lims ID:	BFB				
Client ID:					
Operator ID:	001765	ALS Bottle#:	83	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	16.7
75	30 to 60% of m/z 95	48.1
96	5 to 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.5 (0.7)
174	50 to 120% of m/z 95	75.2
175	5 to 9% of m/z 174	5.4 (7.1)
176	Greater than 95% but less than 101% of m/z 174	71.9 (95.7)
177	5 to 9% of m/z 176	4.6 (6.4)

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\BFB1373.D\8260_16.rslt\spectra.d
Injection Date: 23-Sep-2021 10:50:30
Spectrum: Tune Spec :Average 77-79(3.89-3.91) Bgrd 74(3.85)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 61

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1253	60.00	1395	79.00	3432	117.00	742
37.00	6397	61.00	6423	80.00	977	118.00	441
38.00	5742	62.00	6576	81.00	3348	119.00	520
39.00	2434	63.00	4481	82.00	551	128.00	414
40.00	402	64.00	195	87.00	6133	130.00	399
44.00	741	67.00	174	88.00	6064	141.00	850
45.00	1174	68.00	13685	91.00	211	143.00	1107
47.00	1578	69.00	14494	92.00	3858	172.00	194
48.00	854	70.00	1100	93.00	5599	173.00	789
49.00	5733	72.00	589	94.00	16440	174.00	115560
50.00	25672	73.00	5876	95.00	153728	175.00	8235
51.00	7919	74.00	24808	96.00	10405	176.00	110552
52.00	166	75.00	74000	97.00	177	177.00	7112
55.00	222	76.00	6290	104.00	467		
56.00	2120	77.00	787	106.00	477		
57.00	3695	78.00	222	116.00	396		

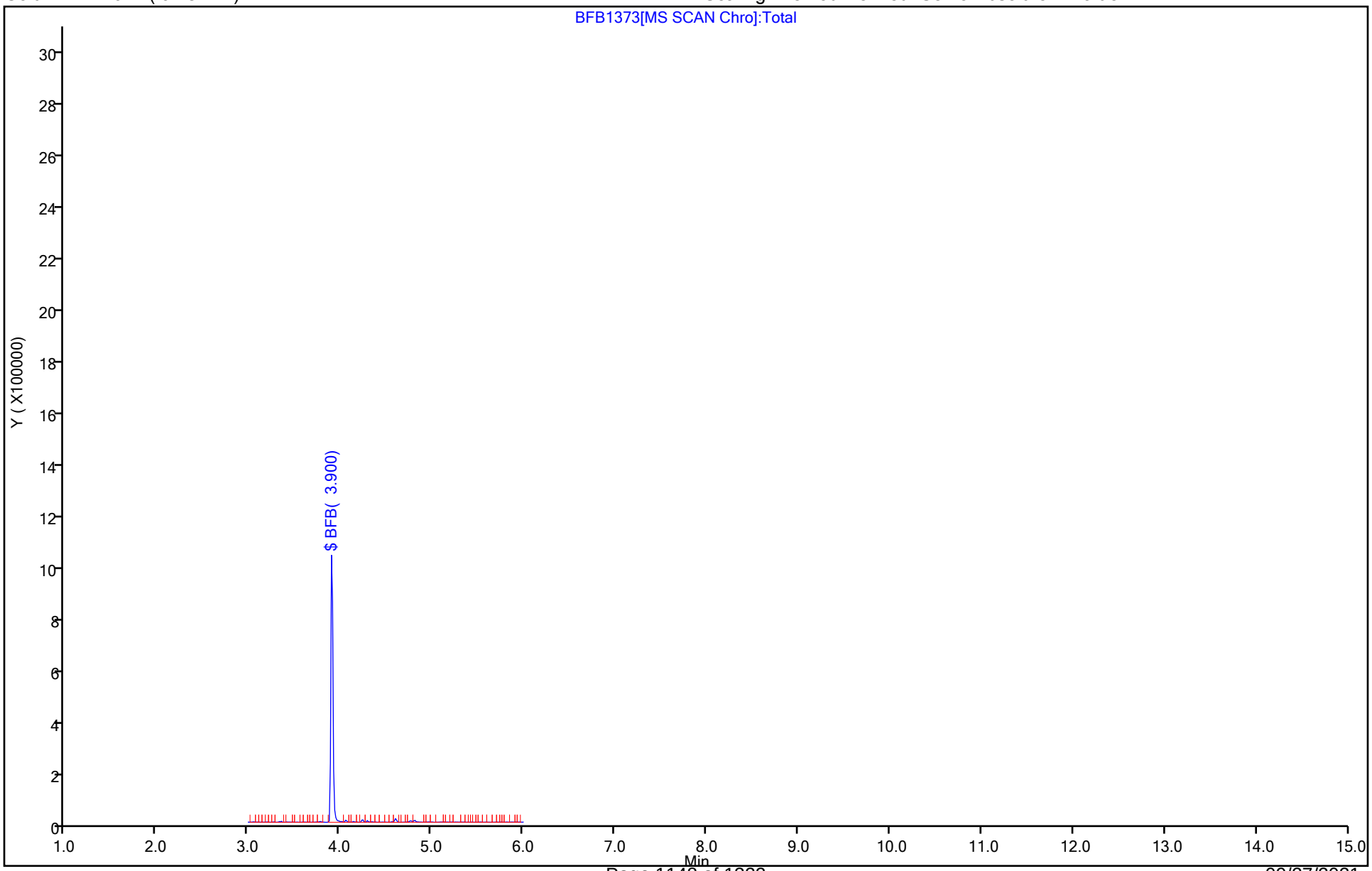
Report Date: 23-Sep-2021 11:00:32 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\BFB1373.D

Injection Date:	23-Sep-2021 10:50:30	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#:	83
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:

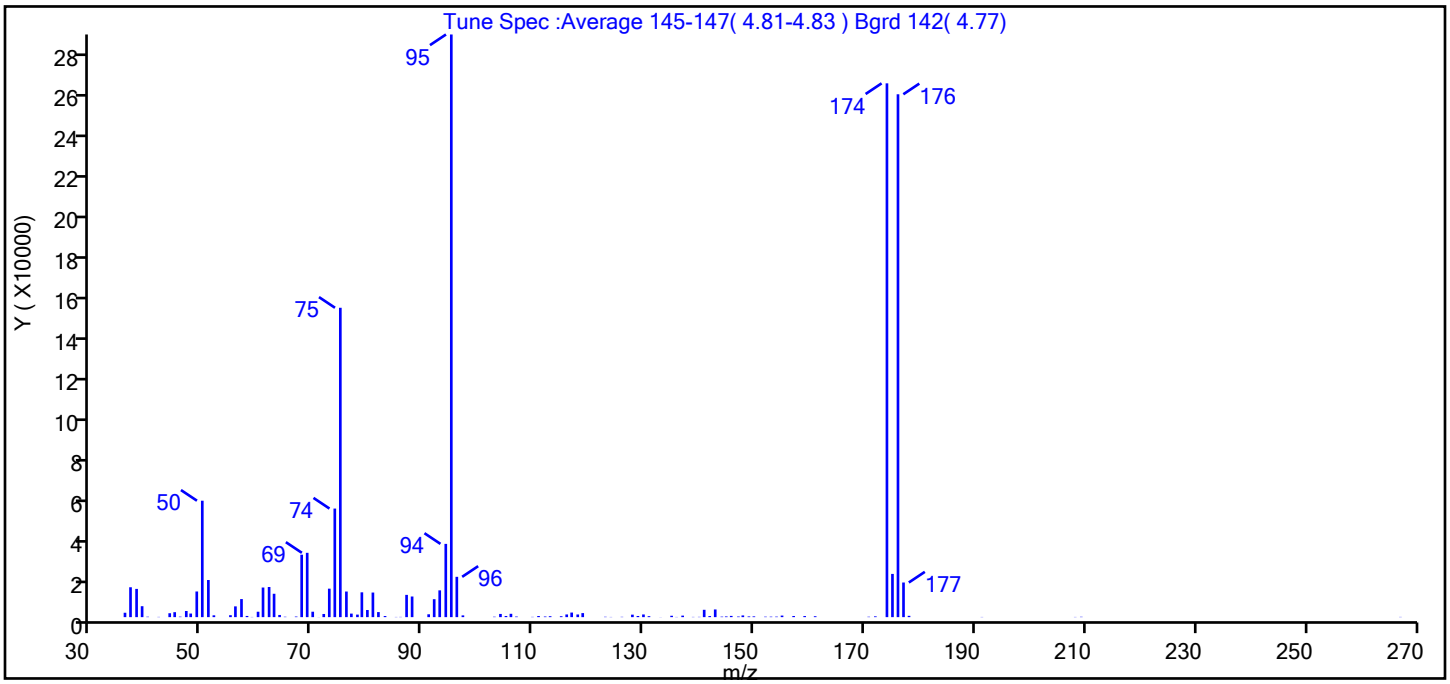
vmbfb_00027 Amount Added: 1.00 Units: uL

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		

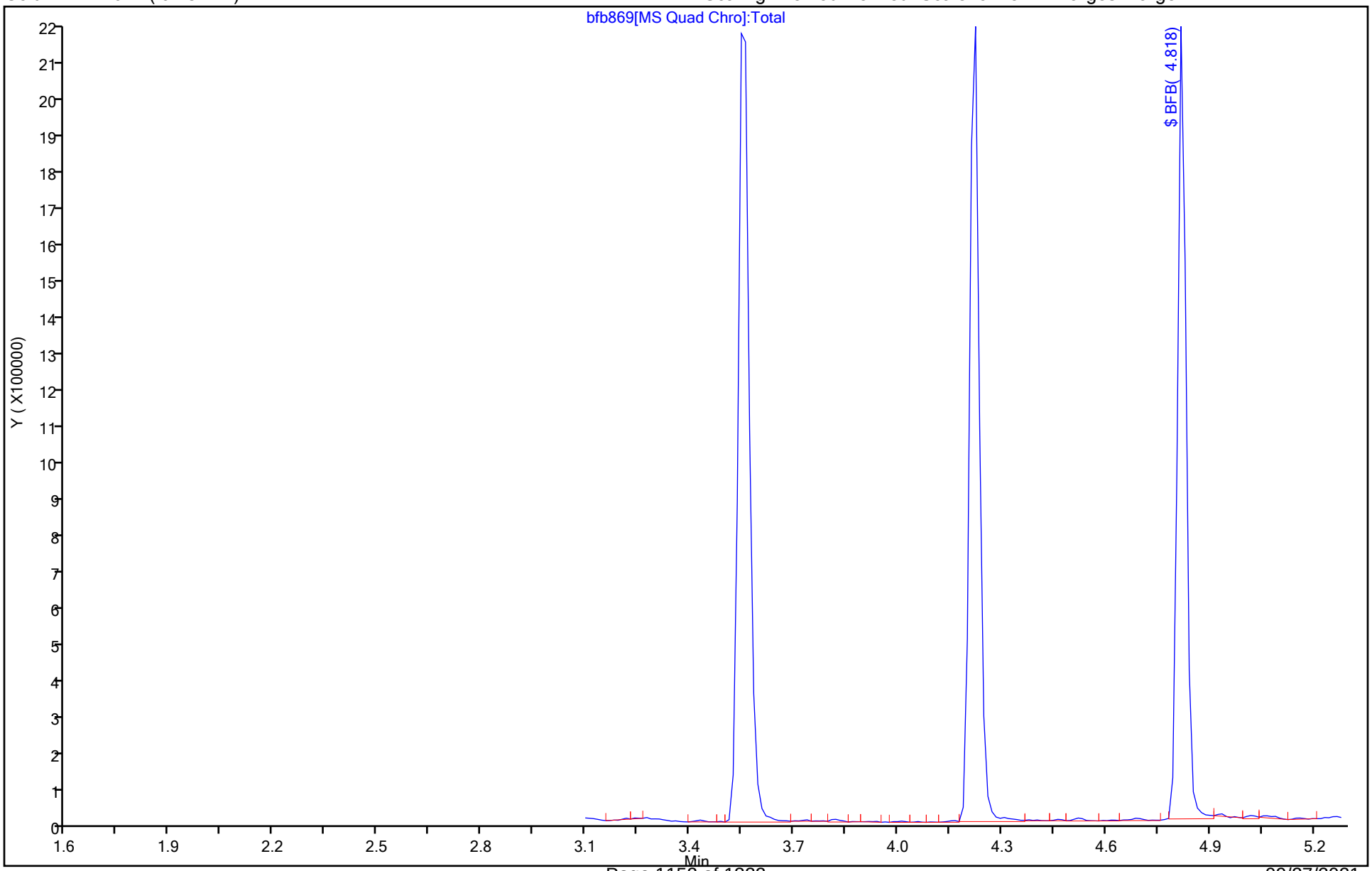
Report Date: 12-Jul-2021 14:49:43 Chrom Revision: 2.3 13-May-2021 07:57:40

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:

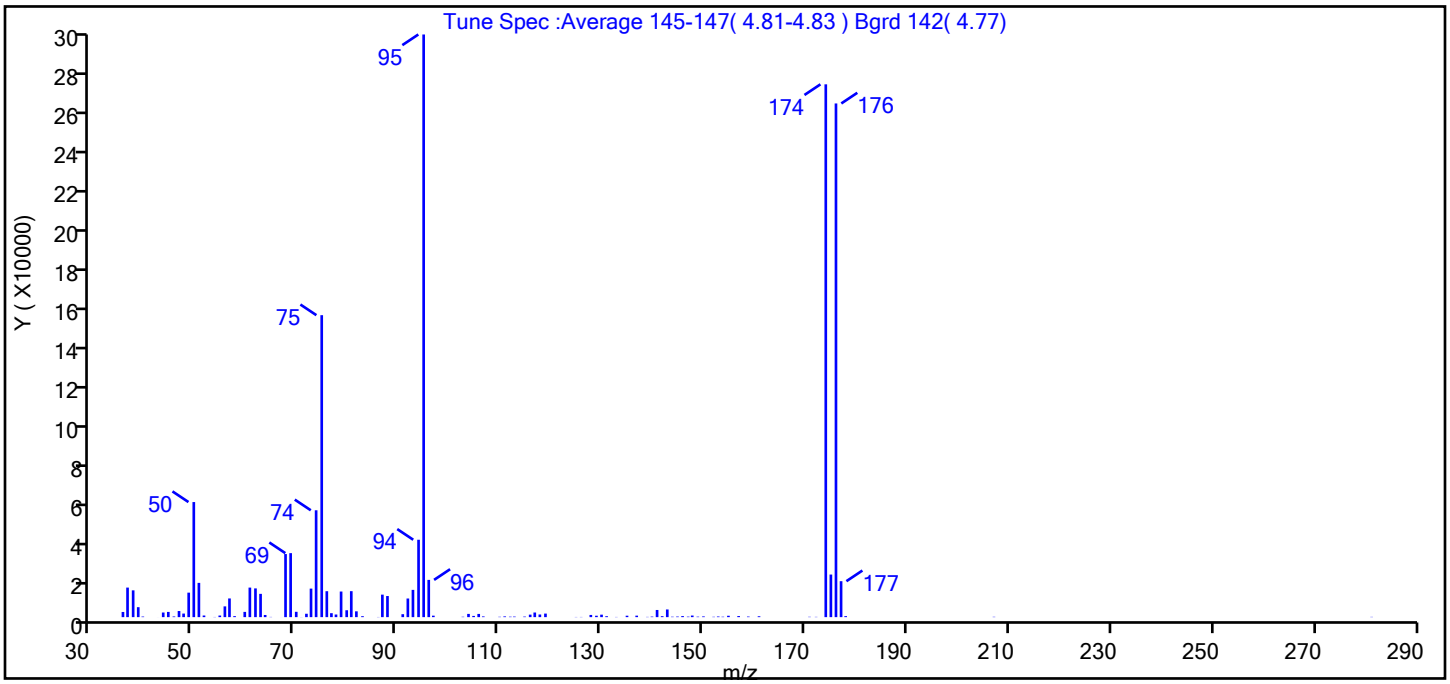
vmbfb_00027 Amount Added: 1.00 Units: uL

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

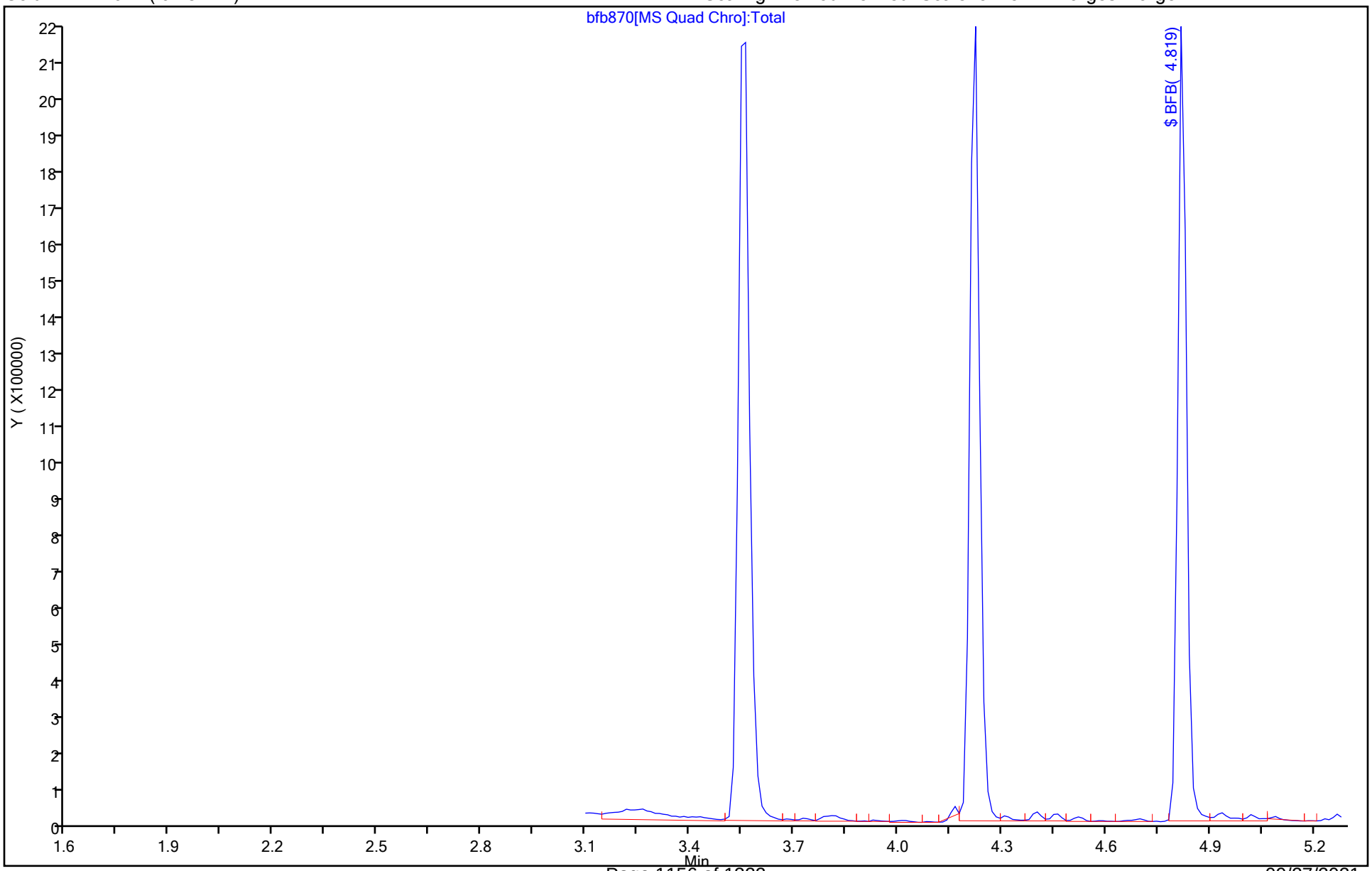
Report Date: 12-Jul-2021 17:16:33 Chrom Revision: 2.3 13-May-2021 07:57:40

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\20210827-112629.b\bfb905.d				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	27-Aug-2021 16:03:26	ALS Bottle#:	0	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	240-0112629-001				
Operator ID:	001904	Instrument ID:	A3UX19		
Method:	\\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\8260_19.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	27-Aug-2021 16:27:56	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:	CTX1642				
First Level Reviewer: laveyt		Date:	27-Aug-2021 16:27:56		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 8 BFB	95	4.510	4.510	0.000	0	686710	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

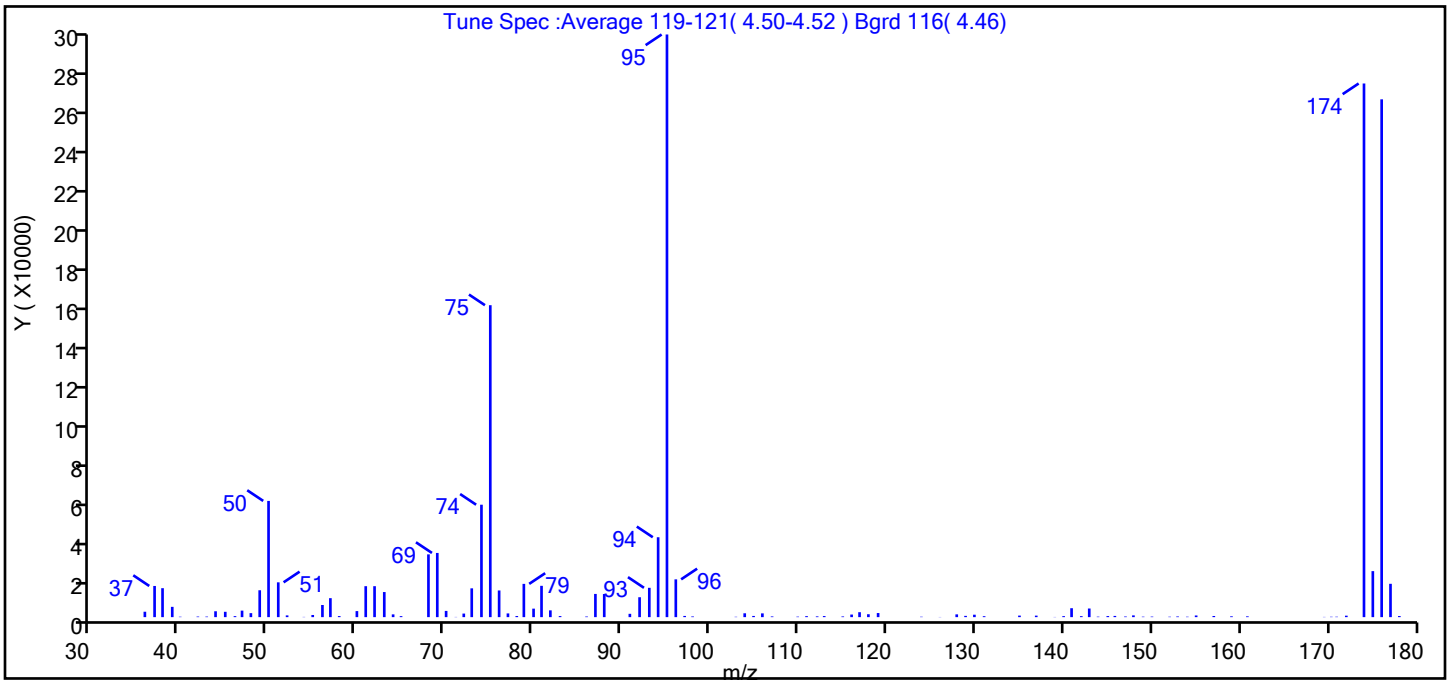
vmbfb_00027 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\bfb905.d
Injection Date: 27-Aug-2021 16:03:26 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	19.9
75	30 to 60% of m/z 95	53.5
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	91.6
175	5 to 9% of m/z 174	7.9 (8.6)
176	Greater than 95% but less than 101% of m/z 174	88.9 (97.0)
177	5 to 9% of m/z 176	5.7 (6.4)

Data File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\bfb905.d\8260_19.rslt\spectra.d
Injection Date: 27-Aug-2021 16:03:26
Spectrum: Tune Spec :Average 119-121(4.50-4.52) Bgrd 116(4.46)
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	2756	65.00	509	97.00	615	141.00	4550
37.00	15876	68.00	31968	98.00	352	142.00	500
38.00	14749	69.00	32688	103.00	179	143.00	4396
39.00	5239	70.00	3172	104.00	1963	144.00	255
40.00	216	71.00	104	105.00	609	145.00	548
42.00	299	72.00	1818	106.00	1920	146.00	622
43.00	285	73.00	14670	107.00	359	147.00	324
44.00	2993	74.00	57256	110.00	255	148.00	895
45.00	2721	75.00	158848	111.00	510	149.00	239
46.00	512	76.00	13588	112.00	392	150.00	274
47.00	3323	77.00	1896	113.00	547	152.00	221
48.00	2036	78.00	571	115.00	361	153.00	342
49.00	13692	79.00	16944	116.00	1323	154.00	221
50.00	59184	80.00	4330	117.00	2517	155.00	848
51.00	17728	81.00	15948	118.00	1485	157.00	581
52.00	890	82.00	3459	119.00	2090	159.00	417
54.00	117	83.00	536	124.00	209	161.00	406
55.00	1096	86.00	319	126.00	85	170.00	112
56.00	6184	87.00	11819	128.00	1415	170.00	199
57.00	9664	88.00	11770	129.00	649	171.00	221
58.00	538	91.00	1698	130.00	1242	172.00	747
60.00	3082	92.00	10140	131.00	471	174.00	271744
61.00	15769	93.00	14938	135.00	790	175.00	23432
62.00	15767	94.00	40688	137.00	773	176.00	263680
63.00	12779	95.00	296704	139.00	93	177.00	16976
64.00	1412	96.00	19248	140.00	510	178.00	551

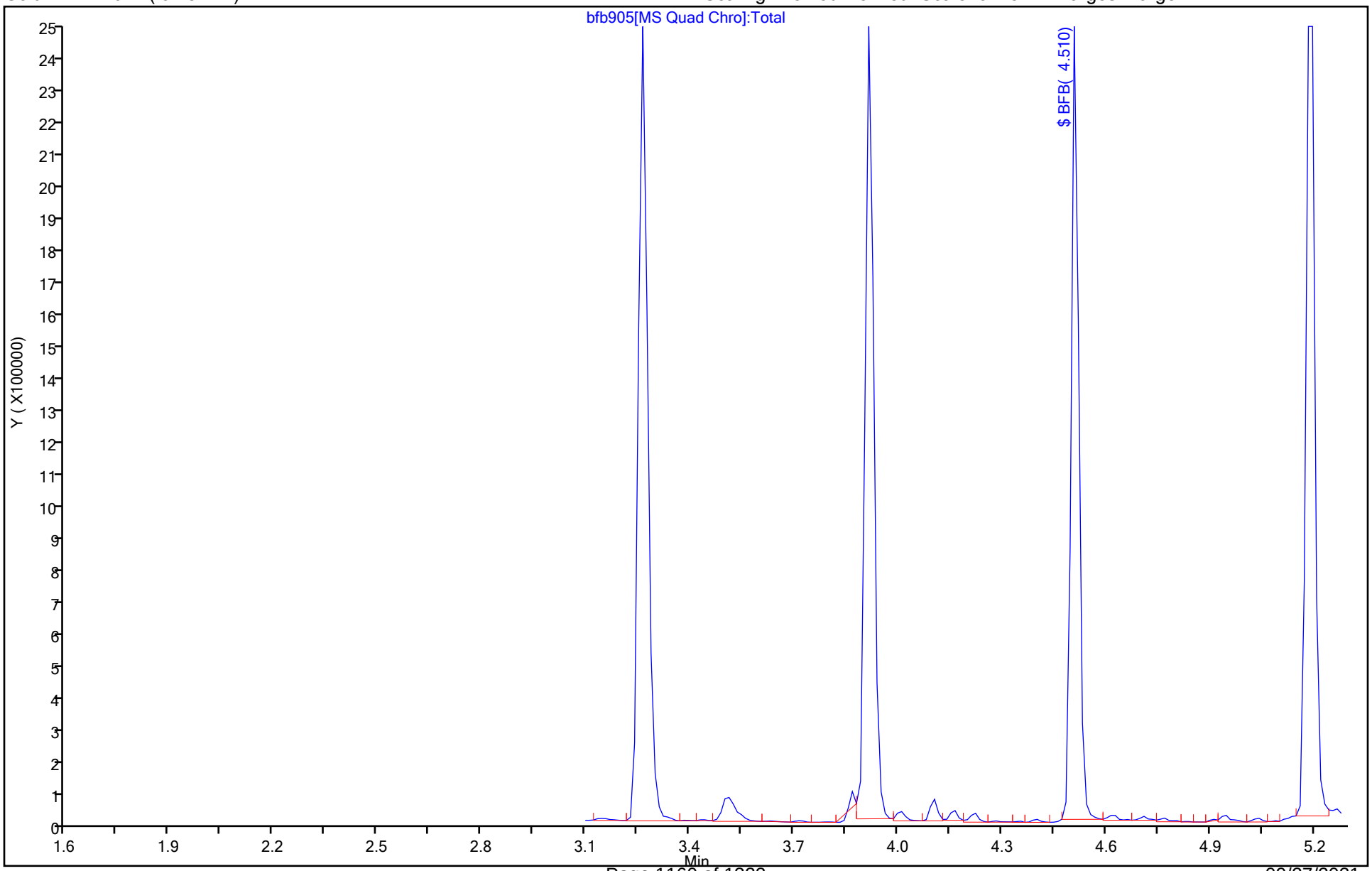
Report Date: 27-Aug-2021 16:27:56 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\bfb905.d

Injection Date:	27-Aug-2021 16:03:26	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\20210918-113275.b\bfb922.d				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	18-Sep-2021 11:26:20	ALS Bottle#:	0	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	240-0113275-001				
Operator ID:	001904	Instrument ID:	A3UX19		
Method:	\\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\8260_19.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	18-Sep-2021 11:57:15	Calib Date:	27-Aug-2021 19:48:52		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923846.d				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1603				
First Level Reviewer: laveyt		Date:	18-Sep-2021 11:57:15		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 8 BFB	95	4.510	4.510	0.000	0	595260	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

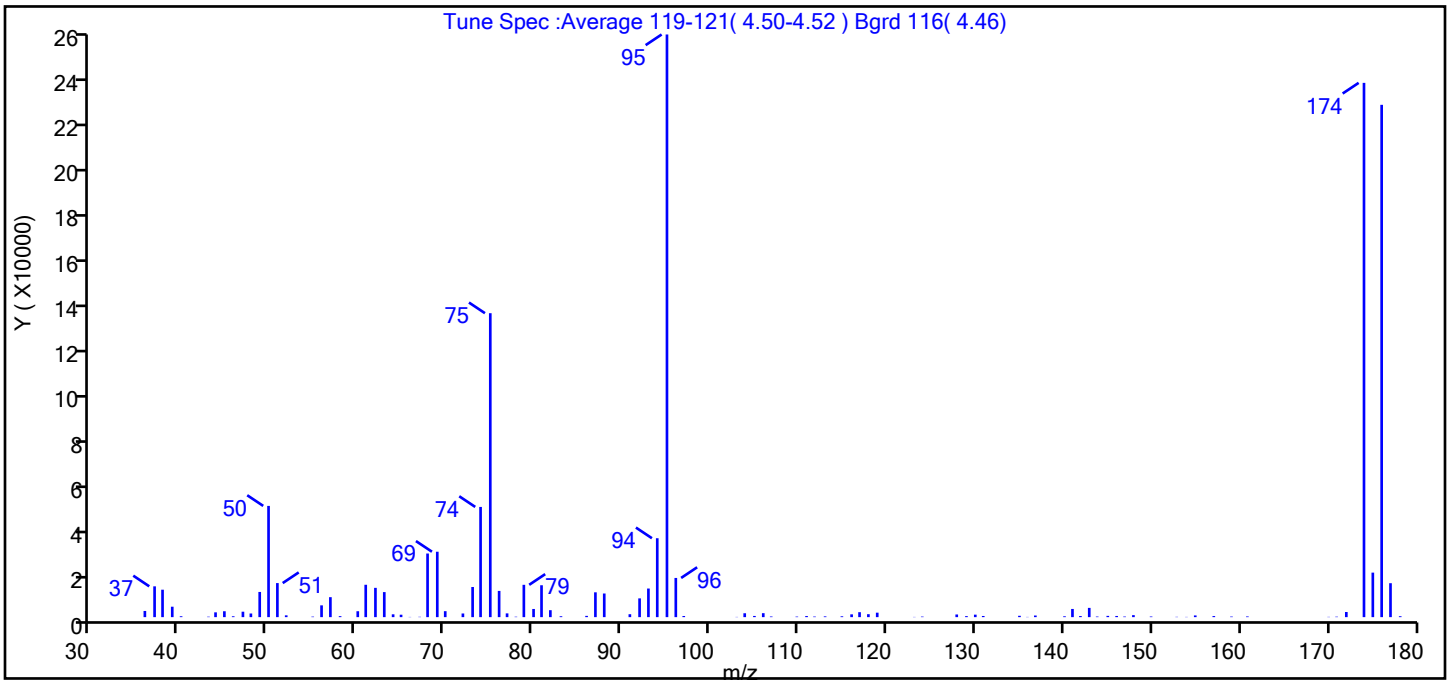
vmbfb_00027 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\bfb922.d
Injection Date: 18-Sep-2021 11:26:20 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	19.1
75	30 to 60% of m/z 95	52.2
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	91.7
175	5 to 9% of m/z 174	7.6 (8.3)
176	Greater than 95% but less than 101% of m/z 174	87.9 (95.9)
177	5 to 9% of m/z 176	5.8 (6.6)

Data File: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\bfb922.d\8260_19.rslt\spectra.d
Injection Date: 18-Sep-2021 11:26:20
Spectrum: Tune Spec :Average 119-121(4.50-4.52) Bgrd 116(4.46)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 99

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2663	66.00	90	96.00	16904	140.00	364
37.00	13284	67.00	146	97.00	481	141.00	3531
38.00	11835	68.00	27440	103.00	96	142.00	470
39.00	4499	69.00	28208	104.00	1677	143.00	3989
40.00	377	70.00	2569	105.00	516	144.00	262
43.00	197	72.00	1580	106.00	1711	145.00	547
44.00	2069	73.00	12997	107.00	277	146.00	505
45.00	2543	74.00	47528	110.00	240	147.00	257
46.00	373	75.00	131072	111.00	475	148.00	865
47.00	2349	76.00	11315	112.00	255	150.00	274
48.00	1575	77.00	1619	113.00	328	153.00	132
49.00	10864	78.00	185	115.00	361	154.00	101
50.00	47968	79.00	13946	116.00	1209	155.00	732
51.00	14692	80.00	3525	117.00	2136	157.00	462
52.00	778	81.00	13754	118.00	1274	159.00	249
55.00	224	82.00	3000	119.00	1926	161.00	300
56.00	5084	83.00	383	123.00	92	170.00	118
57.00	8616	86.00	546	124.00	236	171.00	201
58.00	419	87.00	10706	128.00	1149	172.00	2220
60.00	2552	88.00	10193	129.00	442	174.00	230400
61.00	13961	91.00	1264	130.00	1074	175.00	19200
62.00	12631	92.00	8093	131.00	498	176.00	220928
63.00	10798	93.00	12338	135.00	584	177.00	14637
64.00	1224	94.00	34032	136.00	94	178.00	384
65.00	1051	95.00	251264	137.00	702		

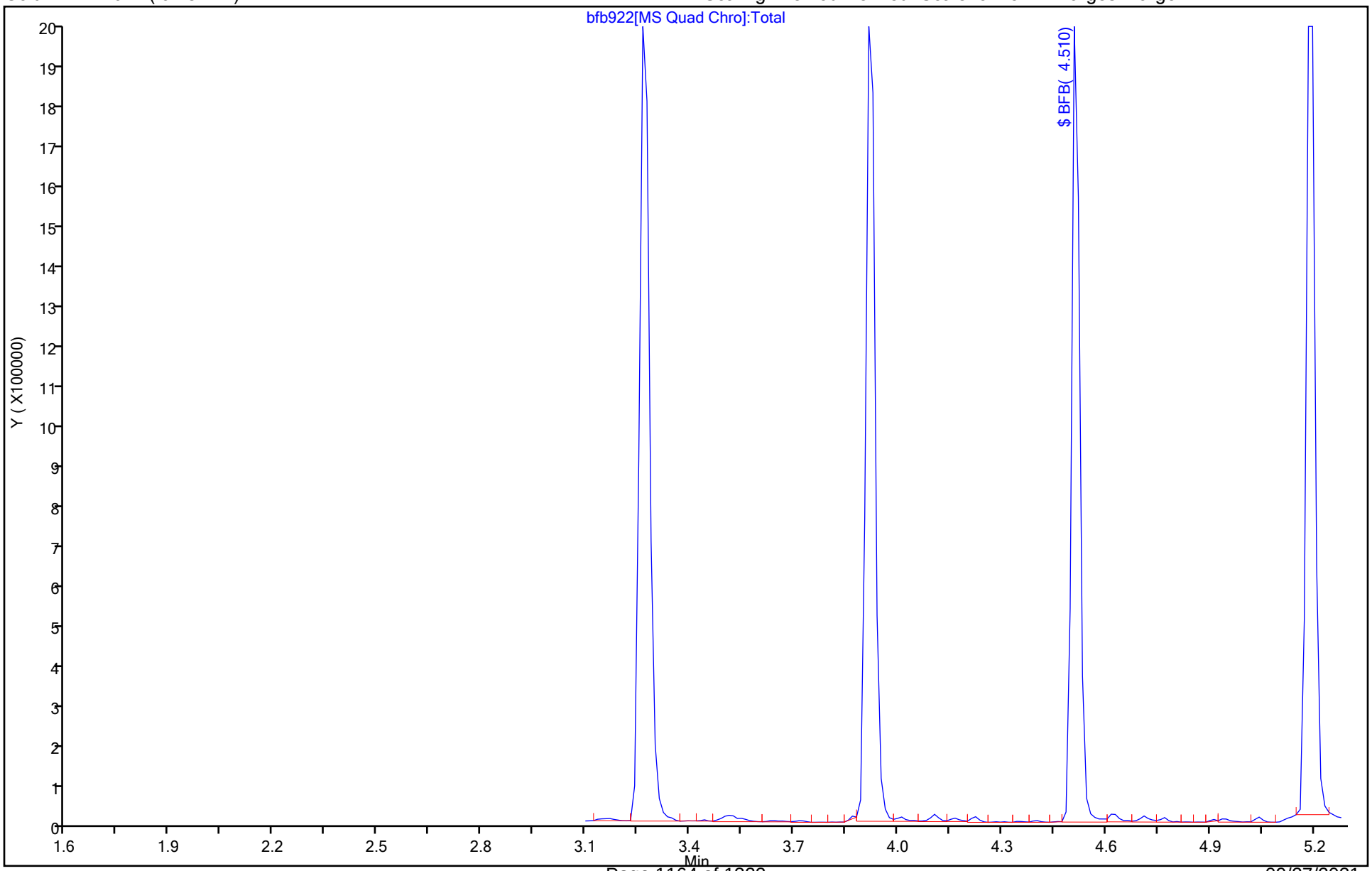
Report Date: 18-Sep-2021 11:57:15 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\bfb922.d

Injection Date:	18-Sep-2021 11:26:20	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	0
Method:	8260_19	Limit Group:	MSV 8260C ICAL		

Column: DB-624 (0.18 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-504263/8

Matrix: Water Lab File ID: UXM39876.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 12:18

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.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-504263/8

Matrix: Water Lab File ID: UXM39876.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 12:18

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.: 504263 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-504263/8

Matrix: Water Lab File ID: UXM39876.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 12:18

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.: 504263 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	102		56-136
1868-53-7	Dibromofluoromethane (Surr)	99		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		62-137
2037-26-5	Toluene-d8 (Surr)	94		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-504263/8

Matrix: Water Lab File ID: UXM39876.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 12:18

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.: 504263 Units: ug/L

Number TICs Found: 1 TIC Result Total: 3.97

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	1.53	3.97	T J	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\UXM39876.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 18-Sep-2021 12:18:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113269-008
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 07:47:40 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: CTX1626

First Level Reviewer: bosworthh Date: 20-Sep-2021 07:47:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.846	5.846	0.000	99	1088204	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	872268	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	516132	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.265	5.264	0.001	93	295068	22.7	22.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	340573	22.7	21.8	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1133478	22.7	21.3	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	86	471439	22.7	23.1	
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	2.513	2.537	-0.024	32	634		NC	
15 Dichlorofluoromethane	67		2.703					ND	
16 Trichlorofluoromethane	101		2.727					ND	
17 Ethyl ether	59		2.999					ND	
18 Acrolein	56		3.142					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	97	5632		0.3510	
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		3.581					ND	
22 Methylal	45		3.629					ND	
28 Methylene Chloride	84		3.711					ND	
29 2-Methyl-2-propanol	59		3.782					ND	
30 Acrylonitrile	53		3.924					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		3.948					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	
43 Ethyl acetate	43		4.849					ND	
41 2,2-Dichloropropane	77		4.849					ND	
39 cis-1,2-Dichloroethene	96		4.849					ND	
42 Propionitrile	54		4.885					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		5.336					ND	
51 Carbon tetrachloride	117		5.419					ND	
50 1,1-Dichloropropene	75		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		6.604					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		9.617					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		14.811					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_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	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\20210918-113269.b\UXM39876.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 18-Sep-2021 12:18:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113269-008
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 07:47:40 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: CTX1626

First Level Reviewer: bosworthh Date: 20-Sep-2021 07:47:40

Tentative Identified Compound Results

RT	Area	Amount ug/l	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
		Unknown						
1.529	431540	3.97	1					

Quantitation Compounds

Compound	RT	Area	Amount ug/l
* 1 Fluorobenzene	5.846	2176698	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_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

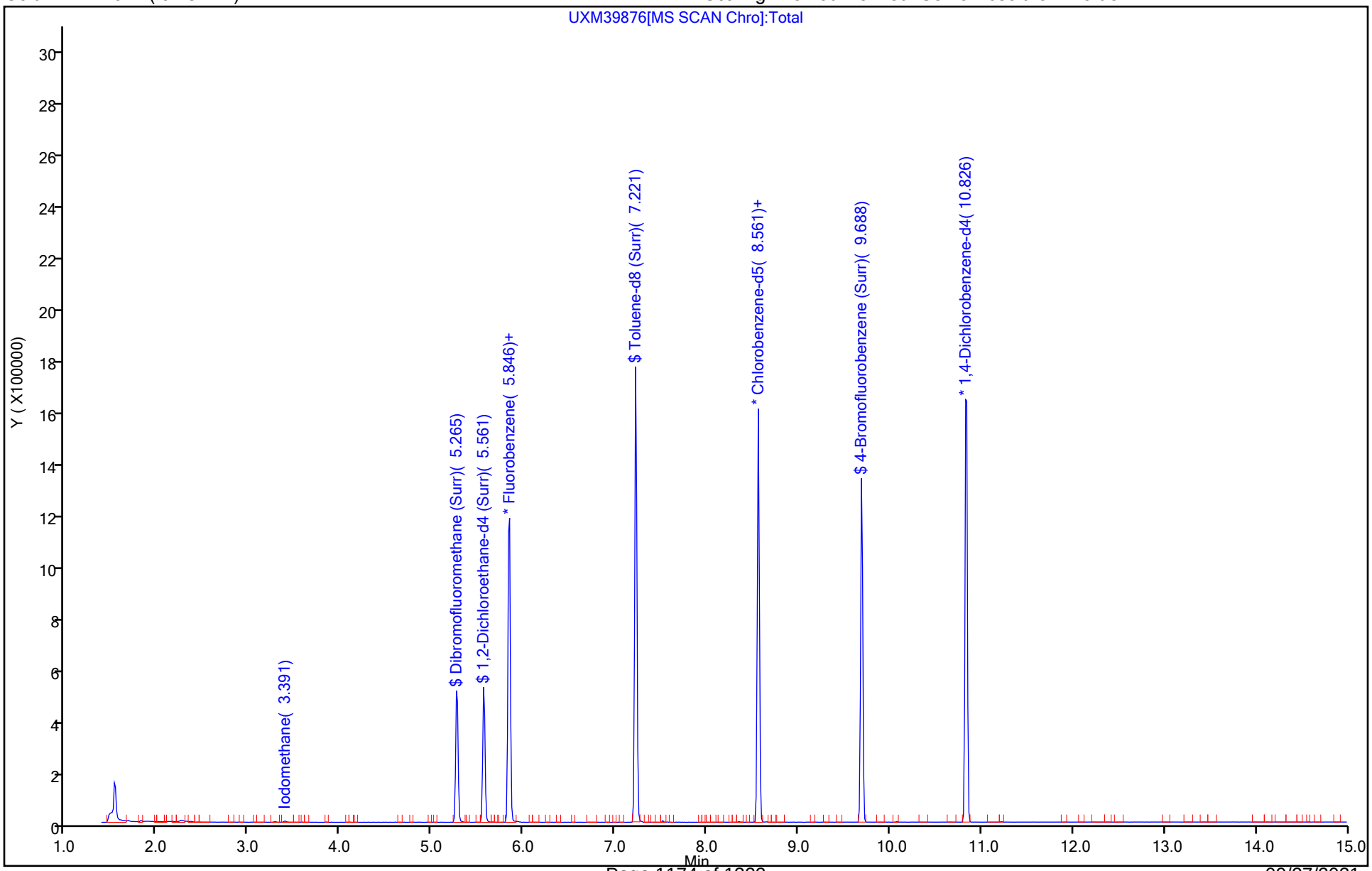
Report Date: 20-Sep-2021 07:47:40 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\UXM39876.D

Injection Date:	18-Sep-2021 12:18:30	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\20210918-113269.b\UXM39876.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 18-Sep-2021 12:18:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113269-008
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 07:47:40 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: CTX1626

First Level Reviewer: bosworthh Date: 20-Sep-2021 07:47:40

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	22.3	98.51
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	21.8	96.31
$ 6 Toluene-d8 (Surr)	22.7	21.3	93.98
$ 7 4-Bromofluorobenzene (Surr)	22.7	23.1	101.65

Report Date: 20-Sep-2021 07:47:40 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\UXM39876.D

Injection Date: 18-Sep-2021 12:18:30 Instrument ID: A3UX16

Lims ID: MB

Client ID:

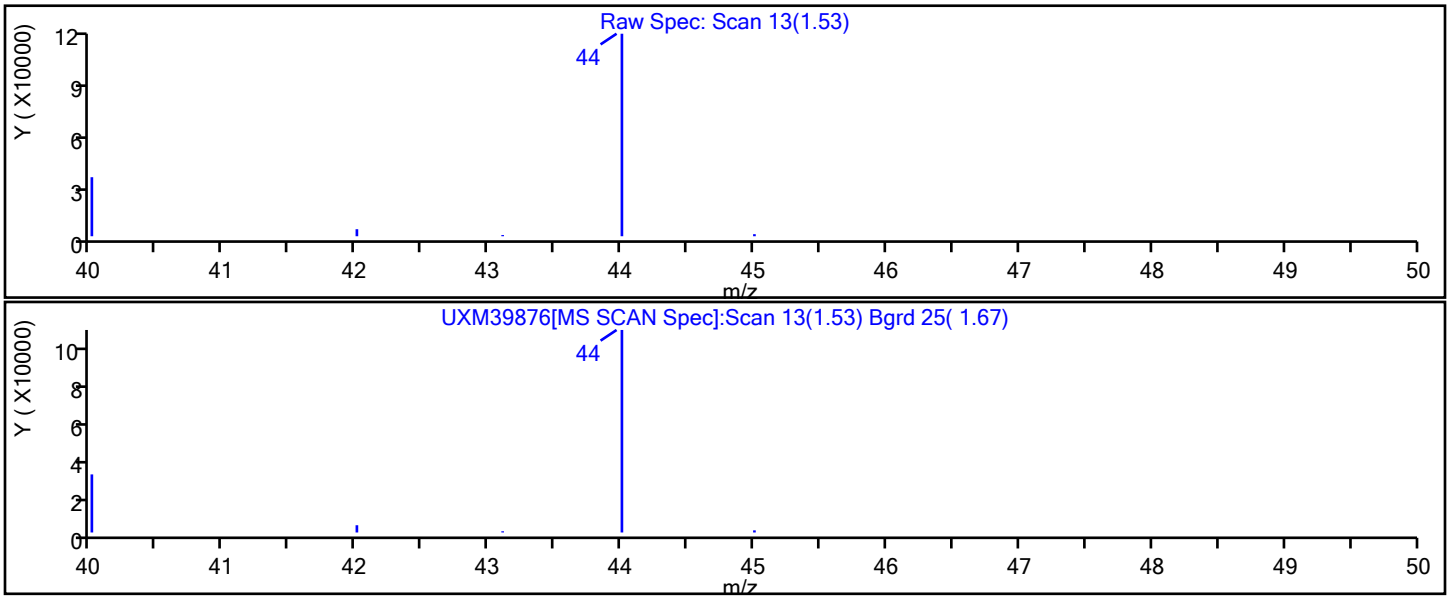
Operator ID: 001765 ALS Bottle#: 8 Worklist Smp#: 8

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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-504290/10

Matrix: Water Lab File ID: U1924238.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 14:24

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504290 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-504290/10

Matrix: Water Lab File ID: U1924238.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 14:24

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504290 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-504290/10

Matrix: Water Lab File ID: U1924238.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 14:24

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504290 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	94		56-136
1868-53-7	Dibromofluoromethane (Surr)	96		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		62-137
2037-26-5	Toluene-d8 (Surr)	98		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-504290/10

Matrix: Water Lab File ID: U1924238.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 14:24

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504290 Units: ug/L

Number TICs Found: 1 TIC Result Total: 5.03

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	1.88	5.03	T J	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\U1924238.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 18-Sep-2021 14:24:17 ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113275-010
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 13:44:46 Calib Date: 27-Aug-2021 19:48:52
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923846.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: laveyt Date: 20-Sep-2021 13:45:19

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	730060	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.452	8.452	0.000	85	541791	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	94	280007	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.404	5.404	0.000	93	199602	20.0	19.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	96	226263	20.0	18.4	
$ 6 Toluene-d8 (Surr)	98	7.207	7.207	0.000	93	642669	20.0	19.6	
$ 7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	96	226479	20.0	18.8	
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		2.428					ND	
11 Butadiene	54		2.463					ND	
13 Bromomethane	94		2.795					ND	
15 Chloroethane	64		2.890					ND	
16 Dichlorofluoromethane	67		3.092					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		3.614					ND	
22 Acetone	43	3.614	3.614	0.000	96	3603		0.7399	
24 Iodomethane	142		3.732					ND	
25 Carbon disulfide	76		3.815					ND	7
26 Acetonitrile	41	3.839	3.839	0.000	58	409		0.2045	
28 Methyl acetate	43		3.874					ND	
27 3-Chloro-1-propene	41		3.898					ND	
29 Methylene Chloride	49		4.005					ND	
30 2-Methyl-2-propanol	59	4.052	4.064	-0.012	6	762		0.3805	
31 Acrylonitrile	53	4.183	4.195	-0.012	39	591		0.1056	
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	
44 Ethyl acetate	43		5.013					ND	7
40 2-Butanone (MEK)	72		5.013					ND	
41 cis-1,2-Dichloroethene	96		5.037					ND	
42 2,2-Dichloropropane	77		5.048					ND	
43 Propionitrile	54		5.060					ND	
45 Methacrylonitrile	41		5.179					ND	
46 Chlorobromomethane	49		5.226					ND	
47 Tetrahydrofuran	42		5.238					ND	
48 Chloroform	83		5.286					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		6.626					ND	
67 2-Nitropropane	41		6.791					ND	
68 2-Chloroethyl vinyl ether	63		6.815					ND	
69 cis-1,3-Dichloropropene	75		6.970					ND	
70 4-Methyl-2-pentanone (MIBK)	43		7.064					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		7.752					ND	
78 n-Butyl acetate	43		7.835					ND	
79 Chlorodibromomethane	129		7.942					ND	
80 Tetrahydrothiophene	60		7.954					ND	
81 Ethylene Dibromide	107		8.061					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	
92 1,4-Dichlorobutane	55		9.436					ND	
91 Cyclohexanone	55		9.436					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	
100 2-Chlorotoluene	126		9.816					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		10.219					ND	
105 1,2,4-Trimethylbenzene	105		10.231					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	
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		10.907					ND	
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	
118 Naphthalene	128		12.757					ND	7
119 1,2,3-Trichlorobenzene	180		12.994					ND	
120 2-Methylnaphthalene	142		14.120					ND	
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

Reagents:

vm50ss_stk_00088	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent

Eurofins TestAmerica, Canton
Tentatively Identified Quantitation Report

Data File:	\\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\U1924238.d				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	18-Sep-2021 14:24:17	ALS Bottle#:	0	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0113275-010				
Operator ID:	001904	Instrument ID:	A3UX19		
Method:	\\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\8260_19.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	20-Sep-2021 13:44:46	Calib Date:	27-Aug-2021 19:48:52		
Tic RT Window:	1.600 -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:	CTX1631				
First Level Reviewer: laveyt		Date:	20-Sep-2021 13:45:19		

Tentative Identified Compound Results

RT	Area	Amount ug/l	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
		Unknown						
1.882	383559	5.03	1					

Quantitation Compounds

Compound	RT	Area	Amount ug/l
* 1 Fluorobenzene	5.938	1525485	20.0

QC Flag Legend

Processing Flags

Reagents:

vm50ss_stk_00088	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent

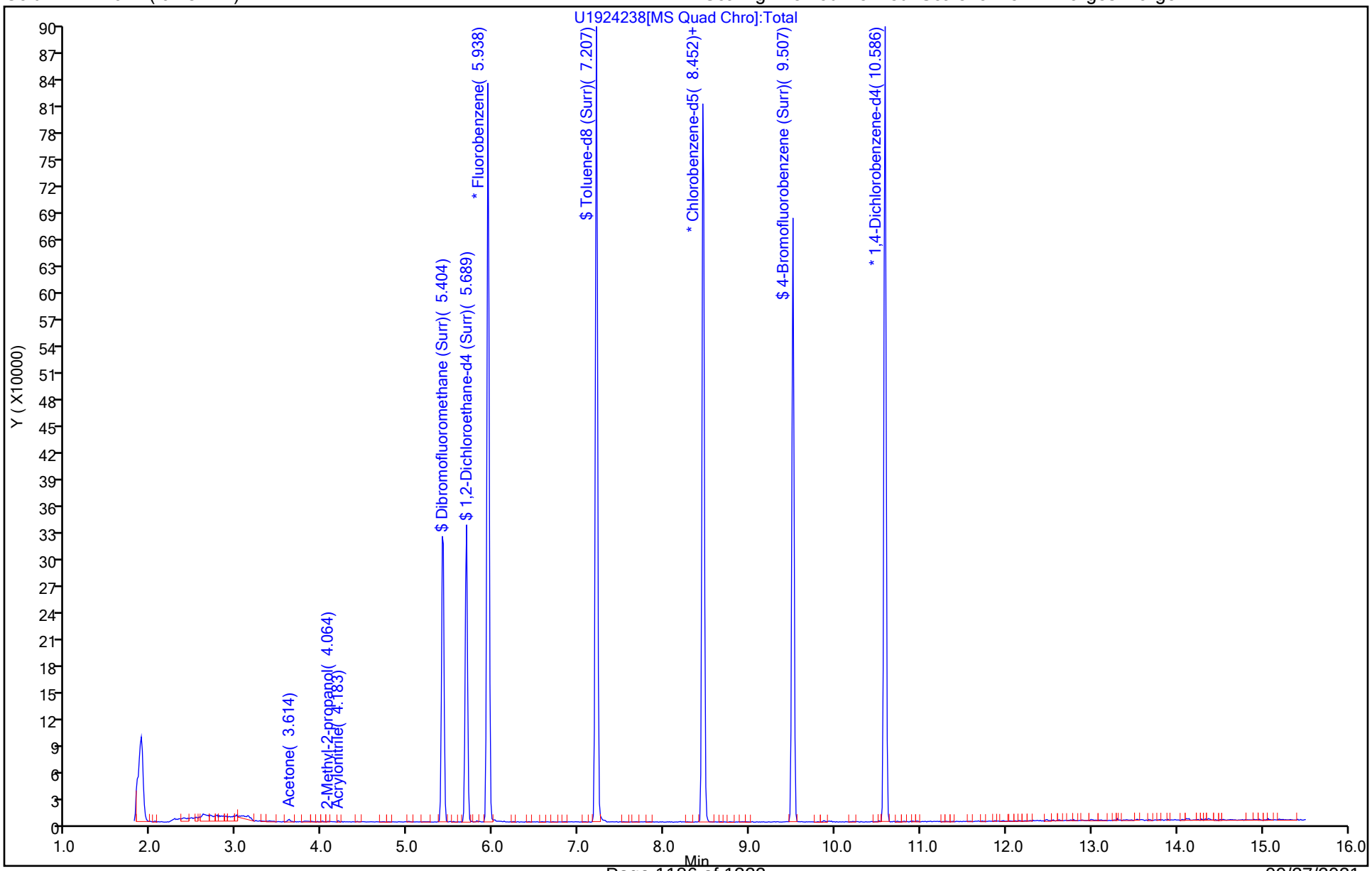
Report Date: 20-Sep-2021 13:45:20 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\U1924238.d

Injection Date:	18-Sep-2021 14:24:17	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	MB			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
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\U1924238.d
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 18-Sep-2021 14:24:17 ALS Bottle#: 0 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113275-010
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 13:44:46 Calib Date: 27-Aug-2021 19:48:52
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923846.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: laveyt Date: 20-Sep-2021 13:45:19

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.3	96.46
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	18.4	92.18
$ 6 Toluene-d8 (Surr)	20.0	19.6	98.11
$ 7 4-Bromofluorobenzene (Surr)	20.0	18.8	93.78

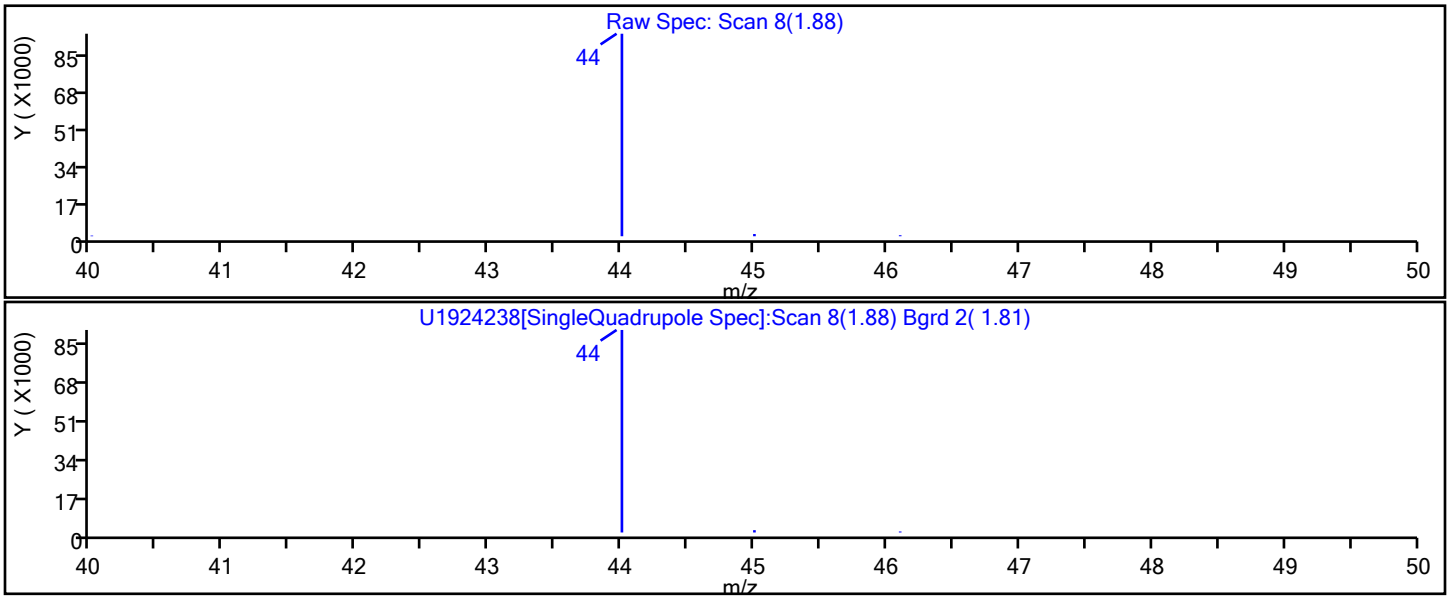
Report Date: 20-Sep-2021 13:45:20 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\U1924238.d

Injection Date:	18-Sep-2021 14:24:17	Instrument ID:	A3UX19		
Lims ID:	MB				
Client ID:					
Operator ID:	001904	ALS Bottle#:	0	Worklist Smp#:	10
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260_19	Limit Group:	MSV 8260C ICAL		
Column:		Detector	MS Quad		

No Library Matches Found above the Threshold: 50



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-504389/8

Matrix: Water Lab File ID: UXM39906.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 12:26

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-504389/8

Matrix: Water Lab File ID: UXM39906.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 12:26

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.: 504389 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-504389/8

Matrix: Water Lab File ID: UXM39906.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 12:26

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.: 504389 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		56-136
1868-53-7	Dibromofluoromethane (Surr)	91		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		62-137
2037-26-5	Toluene-d8 (Surr)	95		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-504389/8

Matrix: Water Lab File ID: UXM39906.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 12:26

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.: 504389 Units: ug/L

Number TICs Found: 1 TIC Result Total: 2.95

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	1.53	2.95	T J	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\UXM39906.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 20-Sep-2021 12:26:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113298-008
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 13:14:45 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: CTX1626

First Level Reviewer: bosworthh Date: 20-Sep-2021 13:14:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.834	5.846	-0.012	99	1322082	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	1042435	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	95	585237	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.265	5.276	-0.011	93	330604	22.7	20.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	401166	22.7	21.2	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1362928	22.7	21.4	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	87	548740	22.7	22.5	
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		2.359					ND	7
14 Chloroethane	64		2.478					ND	
123 Ethylene oxide	44	2.513	2.537	-0.024	32	468		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	3.284	3.203	0.081	49	1382		NC	
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	7
23 Iodomethane	142	3.391	3.391	0.000	92	9316		0.4779	
24 Carbon disulfide	76		3.450					ND	
25 Acetonitrile	41	3.557	3.557	0.000	86	1560		0.7461	
27 Methyl acetate	43		3.581					ND	
26 3-Chloro-1-propene	41		3.592					ND	7
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	
43 Ethyl acetate	43		4.849					ND	
41 2,2-Dichloropropane	77		4.849					ND	
39 cis-1,2-Dichloroethene	96		4.849					ND	
42 Propionitrile	54		4.885					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	
51 Carbon tetrachloride	117		5.419					ND	
50 1,1-Dichloropropene	75		5.419					ND	
52 Isobutyl alcohol	41		5.478					ND	
54 Benzene	78		5.597					ND	
53 1,2-Dichloroethane	62		5.632					ND	
163 Isooctane	57		5.680					ND	
55 Tert-amyl methyl ether	73		5.680					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		6.356					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		7.945					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		9.190					ND	
88 Bromoform	173		9.368					ND	
89 Isopropylbenzene	105		9.510					ND	
91 Cyclohexanone	55		9.617					ND	7
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		11.182					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		14.811					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_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	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\20210920-113298.b\UXM39906.D				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	20-Sep-2021 12:26:30	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0113298-008				
Operator ID:	001765	Instrument ID:	A3UX16		
Method:	\\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\8260_16.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	20-Sep-2021 13:14:45	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:	CTX1626				
First Level Reviewer: bosworthh		Date:	20-Sep-2021 13:14:45		

Tentative Identified Compound Results

RT	Area	Amount ug/l	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
Unknown								
1.529	391475	2.95	1					

Quantitation Compounds

Compound	RT	Area	Amount ug/l
* 1 Fluorobenzene	5.834	2652529	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_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

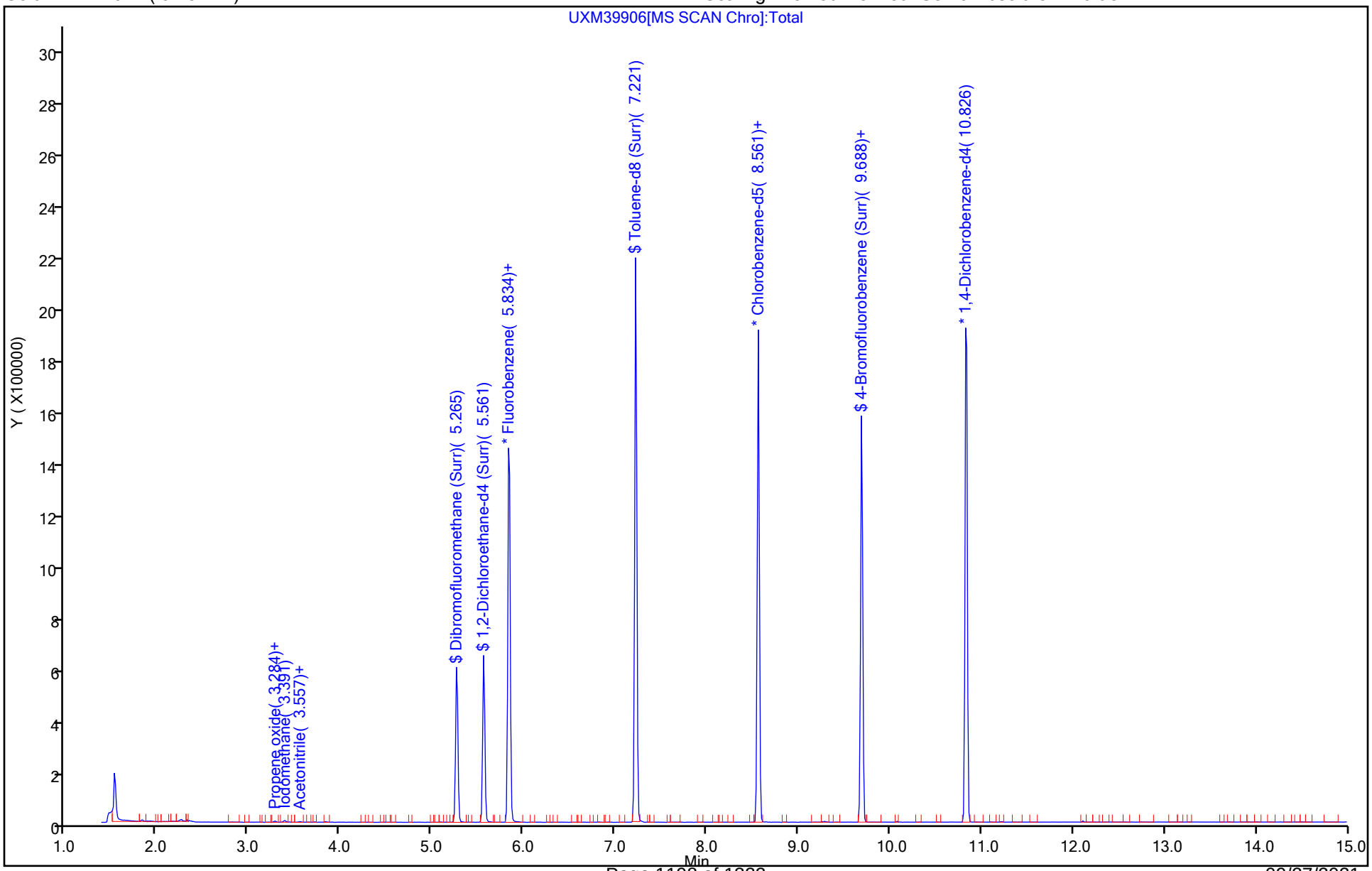
Report Date: 20-Sep-2021 13:14:46 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\UXM39906.D

Injection Date:	20-Sep-2021 12:26:30	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\20210920-113298.b\UXM39906.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 20-Sep-2021 12:26:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113298-008
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 13:14:45 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: CTX1626

First Level Reviewer: bosworthh Date: 20-Sep-2021 13:14:45

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	20.6	90.84
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	21.2	93.37
$ 6 Toluene-d8 (Surr)	22.7	21.4	94.56
$ 7 4-Bromofluorobenzene (Surr)	22.7	22.5	99.00

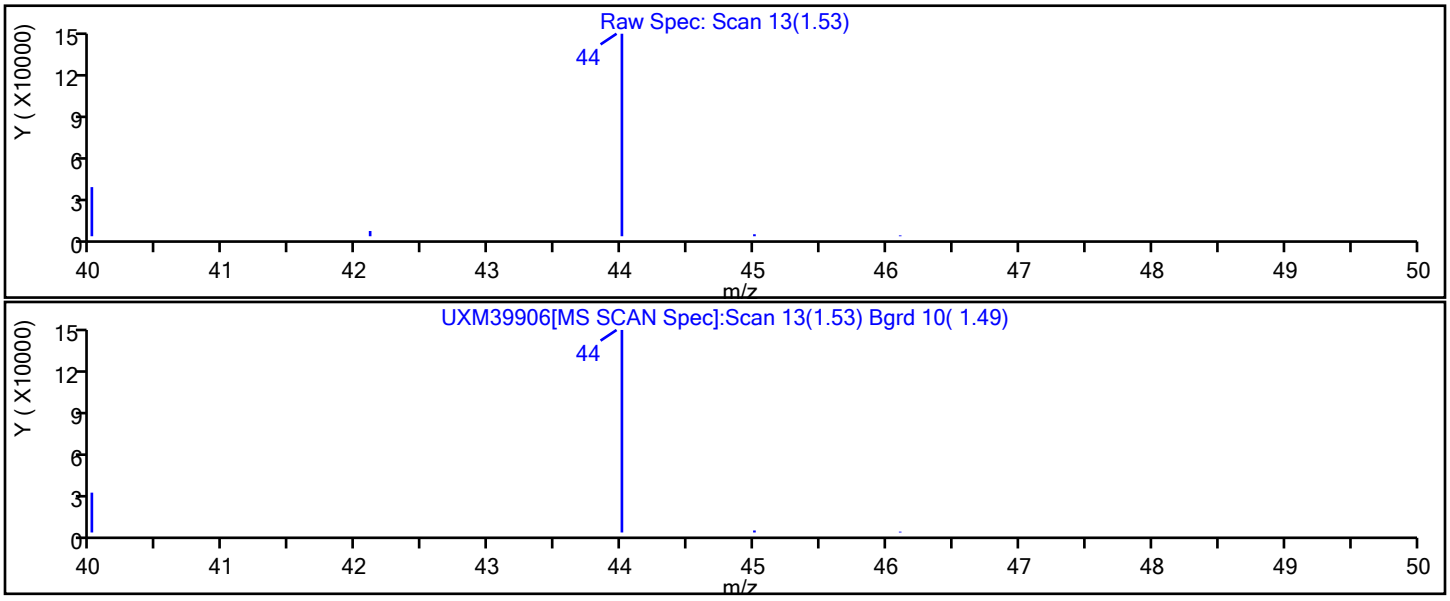
Report Date: 20-Sep-2021 13:14:46 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\UXM39906.D

Injection Date:	20-Sep-2021 12:26:30	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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-505049/8

Matrix: Water Lab File ID: UXM40037.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 13:18

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-505049/8

Matrix: Water Lab File ID: UXM40037.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 13:18

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.: 505049 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-505049/8

Matrix: Water Lab File ID: UXM40037.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 13:18

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.: 505049 Units: ug/L

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

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		56-136
1868-53-7	Dibromofluoromethane (Surr)	101		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		62-137
2037-26-5	Toluene-d8 (Surr)	95		78-122

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

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: MB 240-505049/8

Matrix: Water Lab File ID: UXM40037.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 13:18

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.: 505049 Units: ug/L

Number TICs Found: 1 TIC Result Total: 4.17

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	1.54	4.17	T J	

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40037.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 23-Sep-2021 13:18:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113440-008
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Sep-2021 13:47:08 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: CTX1664

First Level Reviewer: bosworthh Date: 23-Sep-2021 13:47:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.846	5.845	0.001	100	1245999	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	1014508	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	591216	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.265	5.264	0.001	94	347678	22.7	23.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	402660	22.7	22.6	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1325872	22.7	21.4	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	91	553165	22.7	23.3	
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	2.490	2.537	-0.047	32	251		NC	
15 Dichlorofluoromethane	67		2.703					ND	
16 Trichlorofluoromethane	101		2.727					ND	
17 Ethyl ether	59		2.999					ND	
18 Acrolein	56		3.154					ND	
120 Propene oxide	58	3.284	3.203	0.081	47	1249		NC	
19 1,1-Dichloroethene	96		3.237					ND	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151		3.248					ND	
21 Acetone	58		3.284					ND	7
23 Iodomethane	142	3.391	3.391	0.000	93	5291		0.2880	
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		3.580					ND	
22 Methylal	45		3.629					ND	
28 Methylene Chloride	84		3.711					ND	
29 2-Methyl-2-propanol	59		3.782					ND	
30 Acrylonitrile	53		3.924					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		3.948					ND	
33 Hexane	57		4.197					ND	
35 Vinyl acetate	43		4.339					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		4.849					ND	
42 Propionitrile	54		4.885					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		5.336					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		5.680					ND	
55 Tert-amyl methyl ether	73		5.680					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		6.604					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		7.102					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		9.190					ND	
88 Bromoform	173		9.367					ND	
89 Isopropylbenzene	105		9.522					ND	
91 Cyclohexanone	55		9.617					ND	7
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		11.182					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		12.972					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		14.811					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_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	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\20210923-113440.b\UXM40037.D				
Lims ID:	MB				
Client ID:					
Sample Type:	MB				
Inject. Date:	23-Sep-2021 13:18:30	ALS Bottle#:	8	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0113440-008				
Operator ID:	001765	Instrument ID:	A3UX16		
Method:	\\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	23-Sep-2021 13:47:08	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:	CTX1664				
First Level Reviewer: bosworthh		Date:	23-Sep-2021 13:47:08		

Tentative Identified Compound Results

RT	Area	Amount ug/l	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
		Unknown						
1.541	519324	4.17	1					

Quantitation Compounds

Compound	RT	Area	Amount ug/l
* 1 Fluorobenzene	5.846	2490056	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_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

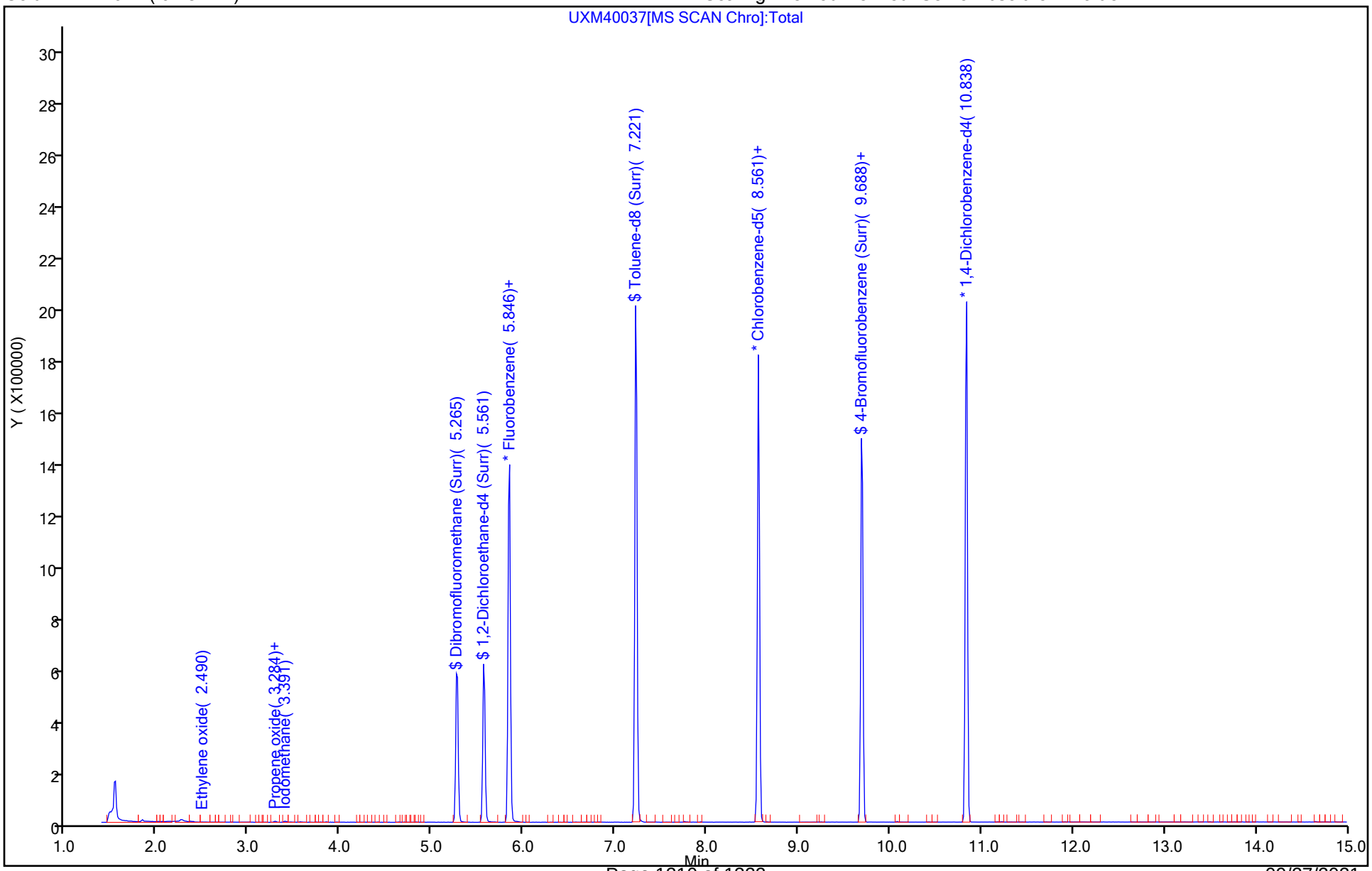
Report Date: 23-Sep-2021 13:47:09 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40037.D

Injection Date:	23-Sep-2021 13:18:30	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\20210923-113440.b\UXM40037.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 23-Sep-2021 13:18:30 ALS Bottle#: 8 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113440-008
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Sep-2021 13:47:08 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: CTX1664

First Level Reviewer: bosworthh Date: 23-Sep-2021 13:47:08

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	23.0	101.37
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	22.6	99.44
$ 6 Toluene-d8 (Surr)	22.7	21.4	94.52
$ 7 4-Bromofluorobenzene (Surr)	22.7	23.3	102.55

Report Date: 23-Sep-2021 13:47:09 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40037.D

Injection Date: 23-Sep-2021 13:18:30 Instrument ID: A3UX16

Lims ID: MB

Client ID:

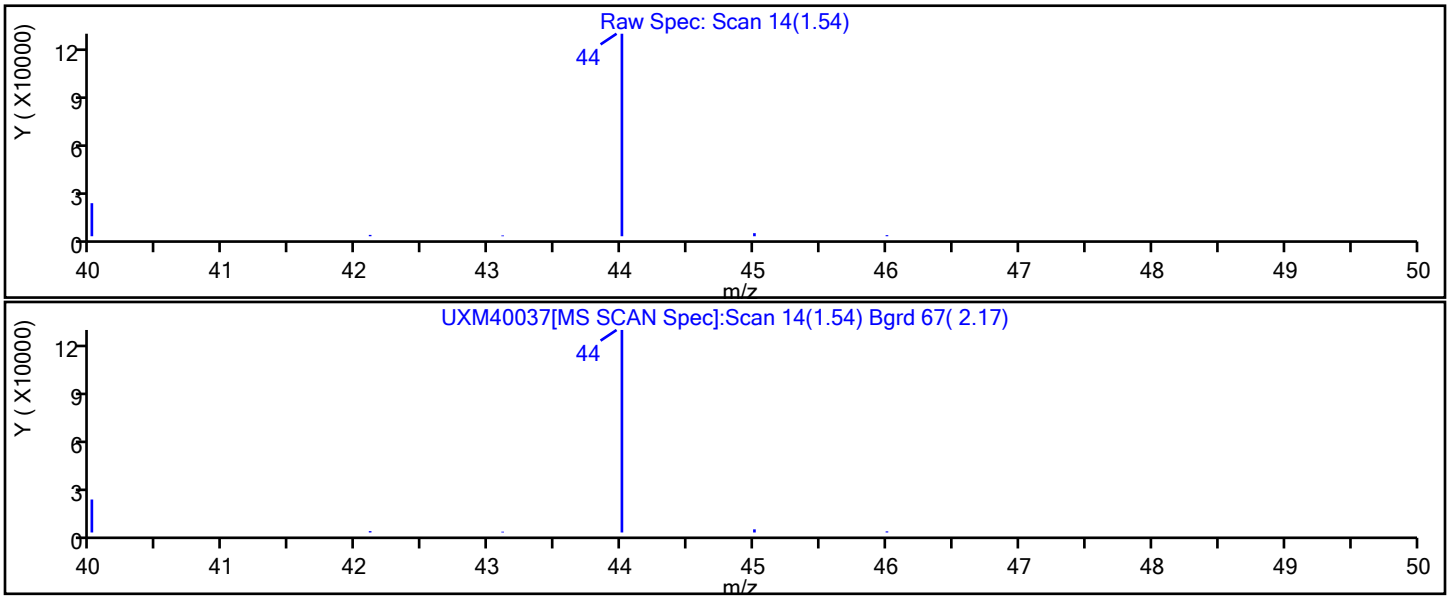
Operator ID: 001765 ALS Bottle#: 8 Worklist Smp#: 8

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.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-504263/5

Matrix: Water Lab File ID: UXM39873.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 11:04

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	45.1		10	5.4
71-43-2	Benzene	21.7		1.0	0.42
108-86-1	Bromobenzene	21.1		1.0	0.50
74-97-5	Bromochloromethane	21.2		1.0	0.54
75-27-4	Bromodichloromethane	19.5		1.0	0.17
75-25-2	Bromoform	18.4		1.0	0.76
74-83-9	Bromomethane	16.8		1.0	0.42
78-93-3	2-Butanone	45.1		10	1.2
75-15-0	Carbon disulfide	20.9		1.0	0.59
56-23-5	Carbon tetrachloride	21.3		1.0	0.26
108-90-7	Chlorobenzene	21.3		1.0	0.38
75-00-3	Chloroethane	18.2		1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	14.0		10	1.5
67-66-3	Chloroform	21.1		1.0	0.47
74-87-3	Chloromethane	15.1		1.0	0.63
95-49-8	2-Chlorotoluene	21.1		1.0	0.57
106-43-4	4-Chlorotoluene	21.4		1.0	0.43
156-59-2	cis-1,2-Dichloroethene	21.0		1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	19.7		1.0	0.61
124-48-1	Dibromochloromethane	19.6		1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	17.0		2.0	0.91
106-93-4	1,2-Dibromoethane	22.4		1.0	0.41
74-95-3	Dibromomethane	20.6		1.0	0.40
95-50-1	1,2-Dichlorobenzene	20.8		1.0	0.48
541-73-1	1,3-Dichlorobenzene	21.1		1.0	0.45
106-46-7	1,4-Dichlorobenzene	21.4		1.0	0.41
75-71-8	Dichlorodifluoromethane	18.7		1.0	0.35
75-34-3	1,1-Dichloroethane	19.5		1.0	0.47
107-06-2	1,2-Dichloroethane	21.2		1.0	0.21
75-35-4	1,1-Dichloroethene	23.2		1.0	0.49
78-87-5	1,2-Dichloropropane	21.0		1.0	0.47
142-28-9	1,3-Dichloropropane	21.7		1.0	0.21
594-20-7	2,2-Dichloropropane	13.5		1.0	0.78
563-58-6	1,1-Dichloropropene	22.4		1.0	0.36
100-41-4	Ethylbenzene	21.4		1.0	0.42
87-68-3	Hexachlorobutadiene	20.3		1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-504263/5

Matrix: Water Lab File ID: UXM39873.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 11:04

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
591-78-6	2-Hexanone	34.5		10	1.1
98-82-8	Isopropylbenzene	21.6		1.0	0.49
75-09-2	Methylene Chloride	21.5		5.0	2.6
108-10-1	4-Methyl-2-pentanone	35.3		10	0.99
1634-04-4	Methyl tert-butyl ether	19.9		1.0	0.47
179601-23-1	m-Xylene & p-Xylene	21.2		2.0	0.42
91-20-3	Naphthalene	18.3		1.0	0.80
104-51-8	n-Butylbenzene	20.3		1.0	0.60
103-65-1	n-Propylbenzene	20.7		1.0	0.57
95-47-6	o-Xylene	21.5		1.0	0.42
99-87-6	p-Isopropyltoluene	21.1		1.0	0.56
135-98-8	sec-Butylbenzene	21.0		1.0	0.53
100-42-5	Styrene	23.2		1.0	0.45
75-65-0	tert-Butyl alcohol	63.5		40	7.2
98-06-6	tert-Butylbenzene	20.9		1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	21.8		1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	20.9		1.0	0.60
127-18-4	Tetrachloroethene	22.4		1.0	0.44
108-88-3	Toluene	21.0		1.0	0.44
156-60-5	trans-1,2-Dichloroethene	21.1		1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	19.2		1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	18.6		1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	19.0		1.0	0.77
71-55-6	1,1,1-Trichloroethane	21.5		1.0	0.48
79-01-6	Trichloroethene	22.5		1.0	0.44
75-69-4	Trichlorofluoromethane	21.6		1.0	0.45
96-18-4	1,2,3-Trichloropropane	21.5		1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	25.4		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	20.9		1.0	0.52
108-05-4	Vinyl acetate	17.8		2.0	0.61
75-01-4	Vinyl chloride	16.1		1.0	0.45
1330-20-7	Xylenes, Total	42.7		2.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-504263/5

Matrix: Water Lab File ID: UXM39873.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 11:04

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	101		56-136
1868-53-7	Dibromofluoromethane (Surr)	95		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		62-137
2037-26-5	Toluene-d8 (Surr)	95		78-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\UXM39873.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 18-Sep-2021 11:04:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113269-005
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 18-Sep-2021 11:43:27 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: CTX1668

First Level Reviewer: bosworthh Date: 18-Sep-2021 11:43:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.846	5.846	0.000	99	1219182	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	86	968157	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	552235	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.264	5.264	0.000	94	318435	22.7	21.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	369922	22.7	21.2	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1265813	22.7	21.4	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	87	520808	22.7	22.9	
9 Dichlorodifluoromethane	85	1.707	1.707	0.000	99	411024	20.0	18.7	
10 Chloromethane	50	1.897	1.897	0.000	99	341710	20.0	15.1	
11 Vinyl chloride	62	2.015	2.015	0.000	98	362220	20.0	16.1	
12 Butadiene	54	2.051	2.051	0.000	96	307101	20.0	14.1	
13 Bromomethane	94	2.347	2.347	0.000	90	213001	20.0	16.8	
14 Chloroethane	64	2.478	2.478	0.000	99	229274	20.0	18.2	
15 Dichlorofluoromethane	67	2.703	2.703	0.000	98	569108	20.0	19.9	
16 Trichlorofluoromethane	101	2.727	2.727	0.000	98	528030	20.0	21.6	
17 Ethyl ether	59	2.999	2.999	0.000	90	233432	20.0	21.5	
18 Acrolein	56	3.154	3.142	0.012	99	40018	100.0	60.0	
19 1,1-Dichloroethene	96	3.237	3.237	0.000	98	313974	20.0	23.2	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.249	3.249	-0.001	89	268147	20.0	25.4	
21 Acetone	58	3.284	3.284	0.000	100	51559	40.0	45.1	
23 Iodomethane	142	3.391	3.391	0.000	97	352087	20.0	19.6	
24 Carbon disulfide	76	3.450	3.450	0.000	99	926380	20.0	20.9	
27 Methyl acetate	43	3.569	3.569	0.000	97	361914	40.0	35.8	
26 3-Chloro-1-propene	41	3.592	3.581	0.011	90	350425	20.0	14.8	
28 Methylene Chloride	84	3.711	3.711	0.000	88	344770	20.0	21.5	
29 2-Methyl-2-propanol	59	3.782	3.782	0.000	99	85020	200.0	63.5	
30 Acrylonitrile	53	3.924	3.924	0.000	99	1057908	200.0	191.0	
31 Methyl tert-butyl ether	73	3.936	3.936	0.000	94	746454	20.0	19.9	
32 trans-1,2-Dichloroethene	96	3.960	3.948	0.012	99	342343	20.0	21.1	
33 Hexane	57	4.197	4.197	0.000	90	473279	20.0	22.1	
35 Vinyl acetate	43	4.339	4.340	-0.001	97	324537	20.0	17.8	
34 1,1-Dichloroethane	63	4.351	4.351	0.000	96	556904	20.0	19.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Butanone (MEK)	72	4.826	4.826	0.000	98	64714	40.0	45.1	
41 2,2-Dichloropropane	77	4.849	4.849	0.000	89	338374	20.0	13.5	
39 cis-1,2-Dichloroethene	96	4.849	4.849	0.000	80	378705	20.0	21.0	
45 Chlorobromomethane	128	5.051	5.051	0.000	96	168435	20.0	21.2	
46 Tetrahydrofuran	42	5.063	5.063	0.000	85	151976	40.0	37.1	
47 Chloroform	83	5.134	5.134	0.000	93	587560	20.0	21.1	
48 1,1,1-Trichloroethane	97	5.288	5.288	0.000	98	516929	20.0	21.5	
49 Cyclohexane	56	5.336	5.336	0.000	86	582261	20.0	21.9	
50 1,1-Dichloropropene	75	5.419	5.419	0.000	96	464172	20.0	22.4	
51 Carbon tetrachloride	117	5.419	5.419	0.000	88	420887	20.0	21.3	
52 Isobutyl alcohol	41	5.478	5.478	0.000	94	203564	500.0	480.6	
54 Benzene	78	5.585	5.585	0.000	97	1337486	20.0	21.7	
53 1,2-Dichloroethane	62	5.632	5.632	0.000	98	434914	20.0	21.2	
56 n-Heptane	57	5.822	5.822	0.000	93	277851	20.0	21.2	
58 Trichloroethene	130	6.154	6.154	0.000	97	360247	20.0	22.5	
60 Methylcyclohexane	83	6.355	6.355	0.000	89	628233	20.0	23.2	
61 1,2-Dichloropropane	63	6.379	6.379	0.000	95	304614	20.0	21.0	
64 1,4-Dioxane	88	6.427	6.427	0.000	91	68526	400.0	390.8	
63 Dibromomethane	93	6.450	6.450	0.000	94	183161	20.0	20.6	
65 Dichlorobromomethane	83	6.604	6.604	0.000	99	404552	20.0	19.5	
67 2-Chloroethyl vinyl ether	63	6.830	6.830	0.000	92	116734	20.0	14.0	
68 cis-1,3-Dichloropropene	75	6.984	6.984	0.000	96	472299	20.0	19.7	
69 4-Methyl-2-pentanone (MIBK)	43	7.103	7.103	0.000	94	387034	40.0	35.3	
70 Toluene	91	7.280	7.280	0.000	98	1458514	20.0	21.0	
71 trans-1,3-Dichloropropene	75	7.482	7.482	0.000	93	417903	20.0	19.2	
72 Ethyl methacrylate	69	7.518	7.518	0.000	87	327343	20.0	19.1	
73 1,1,2-Trichloroethane	97	7.672	7.672	0.000	90	259472	20.0	21.9	
75 Tetrachloroethene	164	7.755	7.755	0.000	98	288758	20.0	22.4	
74 1,3-Dichloropropane	76	7.814	7.814	0.000	89	468897	20.0	21.7	
76 2-Hexanone	43	7.850	7.850	0.000	92	276179	40.0	34.5	
78 Chlorodibromomethane	129	8.016	8.016	0.000	90	268353	20.0	19.6	
80 Ethylene Dibromide	107	8.134	8.134	0.000	97	263633	20.0	22.4	
82 Chlorobenzene	112	8.597	8.597	0.000	97	943428	20.0	21.3	
83 1,1,1,2-Tetrachloroethane	131	8.668	8.668	0.000	94	299223	20.0	21.8	
84 Ethylbenzene	106	8.680	8.680	0.000	98	537000	20.0	21.4	
85 m-Xylene & p-Xylene	106	8.798	8.798	0.000	97	671628	20.0	21.2	
86 o-Xylene	106	9.166	9.166	0.000	96	641293	20.0	21.5	
87 Styrene	104	9.178	9.178	0.000	95	1060857	20.0	23.2	
88 Bromoform	173	9.368	9.368	0.000	96	153404	20.0	18.4	
89 Isopropylbenzene	105	9.510	9.522	-0.012	96	1691349	20.0	21.6	
92 1,1,2,2-Tetrachloroethane	83	9.818	9.818	0.000	95	318863	20.0	20.9	
93 Bromobenzene	156	9.842	9.842	0.000	93	385757	20.0	21.1	
94 trans-1,4-Dichloro-2-butene	53	9.854	9.854	0.000	80	80196	20.0	15.5	
95 1,2,3-Trichloropropane	110	9.877	9.877	0.000	81	107351	20.0	21.5	
96 N-Propylbenzene	120	9.925	9.925	0.000	99	486508	20.0	20.7	
97 2-Chlorotoluene	126	10.020	10.020	0.000	97	400857	20.0	21.1	
99 1,3,5-Trimethylbenzene	105	10.103	10.103	0.000	93	1477001	20.0	21.0	
100 4-Chlorotoluene	126	10.138	10.138	0.000	97	424196	20.0	21.4	
102 tert-Butylbenzene	119	10.411	10.411	0.000	92	1261467	20.0	20.9	
104 1,2,4-Trimethylbenzene	105	10.470	10.470	0.000	97	1486062	20.0	20.9	
105 sec-Butylbenzene	105	10.636	10.636	0.000	93	1901177	20.0	21.0	
106 1,3-Dichlorobenzene	146	10.755	10.755	0.000	97	772606	20.0	21.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 4-Isopropyltoluene	119	10.779	10.779	0.000	97	1630017	20.0	21.1	
108 1,4-Dichlorobenzene	146	10.862	10.862	0.000	96	788344	20.0	21.4	
111 n-Butylbenzene	91	11.182	11.194	-0.012	98	1414011	20.0	20.3	
112 1,2-Dichlorobenzene	146	11.217	11.217	0.000	97	705442	20.0	20.8	
113 1,2-Dibromo-3-Chloropropane	157	12.000	12.000	0.000	84	61328	20.0	17.0	
115 1,2,4-Trichlorobenzene	180	12.830	12.830	0.000	94	373889	20.0	19.0	
116 Hexachlorobutadiene	225	12.972	12.973	0.000	98	180343	20.0	20.3	
117 Naphthalene	128	13.115	13.115	0.000	96	918258	20.0	18.3	
118 1,2,3-Trichlorobenzene	180	13.364	13.364	0.000	95	310961	20.0	18.6	
S 134 Trihalomethanes, Total	1				0		80.0	78.6	
S 158 Total BTEX	1				0		100.0	106.9	
S 133 Xylenes, Total	106				0		40.0	42.7	

QC Flag Legend

Processing Flags

Reagents:

vmfasgw_00425	Amount Added: 16.00	Units: uL		
vmfasaw_00390	Amount Added: 16.00	Units: uL		
vmfaspw_00414	Amount Added: 16.00	Units: uL		
vm50is_stk_A_00009	Amount Added: 2.00	Units: uL	Run Reagent	
vmDist_H2o_00202	Amount Added: 0.00	Units:	Run Reagent	
vm50ss_stk_00088	Amount Added: 2.27	Units: uL	Run Reagent	
vm40ml_vials_00016	Amount Added: 0.00	Units:	Run Reagent	

Report Date: 18-Sep-2021 11:43:28 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\UXM39873.D

Injection Date: 18-Sep-2021 11:04:30 Instrument ID: A3UX16 Operator ID: 001765

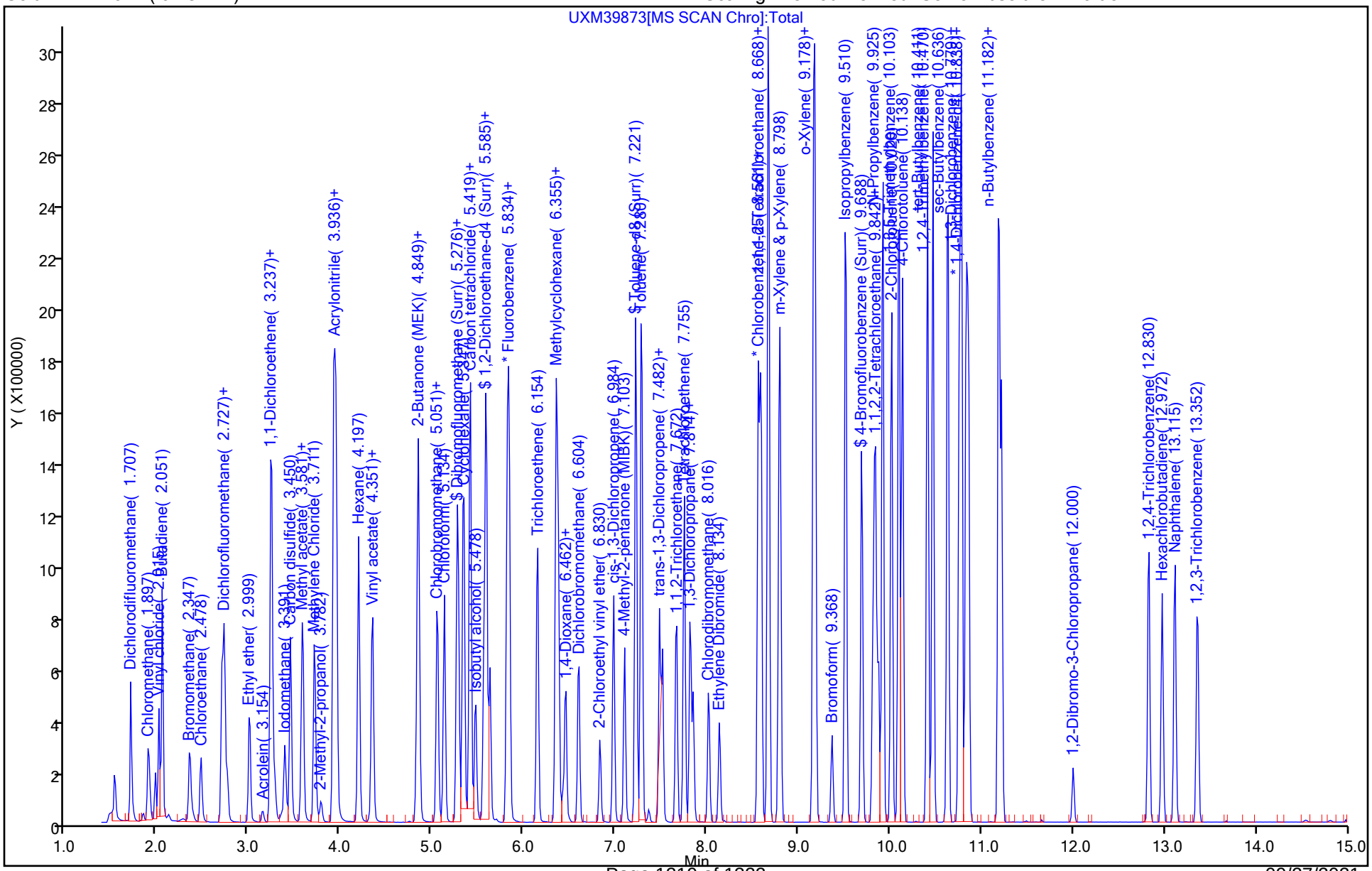
Lims ID: LCS Worklist Smp#: 5

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\20210918-113269.b\UXM39873.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 18-Sep-2021 11:04:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113269-005
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 18-Sep-2021 11:43:27 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: CTX1668

First Level Reviewer: bosworthh Date: 18-Sep-2021 11:43:27

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	21.5	94.89
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	21.2	93.37
$ 6 Toluene-d8 (Surr)	22.7	21.4	94.56
$ 7 4-Bromofluorobenzene (Surr)	22.7	22.9	101.17

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-504290/6

Matrix: Water Lab File ID: U1924234.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 12:55

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.: 504290 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	31.6		10	5.4
71-43-2	Benzene	18.5		1.0	0.42
108-86-1	Bromobenzene	19.3		1.0	0.50
74-97-5	Bromochloromethane	15.9		1.0	0.54
75-27-4	Bromodichloromethane	16.5		1.0	0.17
75-25-2	Bromoform	17.5		1.0	0.76
74-83-9	Bromomethane	20.3		1.0	0.42
78-93-3	2-Butanone	35.6		10	1.2
75-15-0	Carbon disulfide	16.1		1.0	0.59
56-23-5	Carbon tetrachloride	18.7		1.0	0.26
108-90-7	Chlorobenzene	19.7		1.0	0.38
75-00-3	Chloroethane	20.6		1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	15.6		10	1.5
67-66-3	Chloroform	18.3		1.0	0.47
74-87-3	Chloromethane	15.5		1.0	0.63
95-49-8	2-Chlorotoluene	18.7		1.0	0.57
106-43-4	4-Chlorotoluene	18.4		1.0	0.43
156-59-2	cis-1,2-Dichloroethene	17.8		1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	15.0		1.0	0.61
124-48-1	Dibromochloromethane	18.1		1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	14.5		2.0	0.91
106-93-4	1,2-Dibromoethane	19.0		1.0	0.41
74-95-3	Dibromomethane	18.5		1.0	0.40
95-50-1	1,2-Dichlorobenzene	19.0		1.0	0.48
541-73-1	1,3-Dichlorobenzene	19.0		1.0	0.45
106-46-7	1,4-Dichlorobenzene	19.0		1.0	0.41
75-71-8	Dichlorodifluoromethane	21.5		1.0	0.35
75-34-3	1,1-Dichloroethane	17.2		1.0	0.47
107-06-2	1,2-Dichloroethane	16.7		1.0	0.21
75-35-4	1,1-Dichloroethene	17.9		1.0	0.49
78-87-5	1,2-Dichloropropane	17.5		1.0	0.47
142-28-9	1,3-Dichloropropane	19.7		1.0	0.21
594-20-7	2,2-Dichloropropane	16.3		1.0	0.78
563-58-6	1,1-Dichloropropene	18.1		1.0	0.36
100-41-4	Ethylbenzene	19.5		1.0	0.42
87-68-3	Hexachlorobutadiene	16.4		1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-504290/6

Matrix: Water Lab File ID: U1924234.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 12:55

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.: 504290 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
591-78-6	2-Hexanone	31.4		10	1.1
98-82-8	Isopropylbenzene	19.4		1.0	0.49
75-09-2	Methylene Chloride	16.7		5.0	2.6
108-10-1	4-Methyl-2-pentanone	29.1		10	0.99
1634-04-4	Methyl tert-butyl ether	15.9		1.0	0.47
179601-23-1	m-Xylene & p-Xylene	19.6		2.0	0.42
91-20-3	Naphthalene	15.1		1.0	0.80
104-51-8	n-Butylbenzene	17.0		1.0	0.60
103-65-1	n-Propylbenzene	19.0		1.0	0.57
95-47-6	o-Xylene	19.1		1.0	0.42
99-87-6	p-Isopropyltoluene	18.2		1.0	0.56
135-98-8	sec-Butylbenzene	18.7		1.0	0.53
100-42-5	Styrene	18.7		1.0	0.45
75-65-0	tert-Butyl alcohol	130		40	7.2
98-06-6	tert-Butylbenzene	18.3		1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	18.4		1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	18.7		1.0	0.60
127-18-4	Tetrachloroethene	20.9		1.0	0.44
108-88-3	Toluene	19.7		1.0	0.44
156-60-5	trans-1,2-Dichloroethene	17.1		1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	15.7		1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	16.6		1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	15.7		1.0	0.77
71-55-6	1,1,1-Trichloroethane	18.1		1.0	0.48
79-01-6	Trichloroethene	18.7		1.0	0.44
75-69-4	Trichlorofluoromethane	22.7		1.0	0.45
96-18-4	1,2,3-Trichloropropane	18.8		1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	21.8		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	18.8		1.0	0.52
108-05-4	Vinyl acetate	10.5		2.0	0.61
75-01-4	Vinyl chloride	17.3		1.0	0.45
1330-20-7	Xylenes, Total	38.7		2.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-504290/6

Matrix: Water Lab File ID: U1924234.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 12:55

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.: 504290 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		56-136
1868-53-7	Dibromofluoromethane (Surr)	96		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		62-137
2037-26-5	Toluene-d8 (Surr)	101		78-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\U1924234.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 18-Sep-2021 12:55:11 ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113275-006
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 18-Sep-2021 11:33:23 Calib Date: 27-Aug-2021 19:48:52
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923846.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1603

First Level Reviewer: laveyt Date: 18-Sep-2021 13:38:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	822927	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.452	8.452	0.000	84	610988	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	94	358482	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.404	5.404	0.000	94	224829	20.0	19.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	99	244943	20.0	17.7	
$ 6 Toluene-d8 (Surr)	98	7.207	7.207	0.000	93	742933	20.0	20.1	
$ 7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	95	280787	20.0	20.6	
9 Dichlorodifluoromethane	85	2.072	2.072	0.000	99	238691	20.0	21.5	
10 Chloromethane	50	2.285	2.297	-0.012	99	261221	20.0	15.5	
12 Vinyl chloride	62	2.416	2.428	-0.012	98	273375	20.0	17.3	
11 Butadiene	54	2.451	2.463	-0.012	92	245517	20.0	16.1	
13 Bromomethane	94	2.783	2.795	-0.012	94	241064	20.0	20.3	
15 Chloroethane	64	2.878	2.890	-0.012	99	193804	20.0	20.6	
16 Dichlorofluoromethane	67	3.080	3.092	-0.012	97	499731	20.0	19.7	
17 Trichlorofluoromethane	101	3.115	3.127	-0.012	97	529644	20.0	22.7	
18 Ethyl ether	59	3.353	3.364	-0.011	89	162603	20.0	17.7	
19 Acrolein	56	3.483	3.495	-0.012	97	12880	100.0	50.1	
20 1,1-Dichloroethene	61	3.590	3.590	0.000	99	278688	20.0	17.9	
21 112TCTFE	101	3.602	3.614	-0.012	93	215475	20.0	21.8	
22 Acetone	43	3.602	3.614	-0.012	75	173274	40.0	31.6	
24 Iodomethane	142	3.732	3.732	0.000	99	346337	20.0	18.6	
25 Carbon disulfide	76	3.803	3.815	-0.012	99	543720	20.0	16.1	
28 Methyl acetate	43	3.874	3.874	0.000	96	426028	40.0	33.9	
27 3-Chloro-1-propene	41	3.898	3.898	0.000	88	237986	20.0	14.4	
29 Methylene Chloride	49	4.005	4.005	0.000	88	232670	20.0	16.7	
30 2-Methyl-2-propanol	59	4.052	4.064	-0.012	97	293830	200.0	130.2	
31 Acrylonitrile	53	4.183	4.195	-0.012	98	1029881	200.0	163.3	
33 Methyl tert-butyl ether	73	4.218	4.218	0.000	94	526188	20.0	15.9	
32 trans-1,2-Dichloroethene	61	4.230	4.230	0.000	96	273564	20.0	17.1	
34 Hexane	57	4.444	4.455	-0.011	92	258481	20.0	18.1	
36 Vinyl acetate	43	4.562	4.562	0.000	97	276312	20.0	10.5	
35 1,1-Dichloroethane	63	4.586	4.586	0.000	96	335199	20.0	17.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Butanone (MEK)	72	5.001	5.013	-0.012	99	82833	40.0	35.6	
41 cis-1,2-Dichloroethene	96	5.037	5.037	0.000	80	229609	20.0	17.8	
42 2,2-Dichloropropane	77	5.048	5.048	0.000	88	217253	20.0	16.3	
46 Chlorobromomethane	49	5.214	5.226	-0.012	86	162995	20.0	15.9	
47 Tetrahydrofuran	42	5.238	5.238	0.000	82	172320	40.0	27.7	
48 Chloroform	83	5.286	5.286	0.000	93	376950	20.0	18.3	
49 1,1,1-Trichloroethane	97	5.440	5.440	0.000	97	334524	20.0	18.1	
50 Cyclohexane	84	5.511	5.511	0.000	87	303963	20.0	20.2	
51 1,1-Dichloropropene	75	5.558	5.558	0.000	91	289771	20.0	18.1	
53 Isobutyl alcohol	41	5.558	5.558	0.000	84	304483	500.0	362.8	
52 Carbon tetrachloride	117	5.570	5.570	0.000	97	316289	20.0	18.7	
54 Benzene	78	5.724	5.724	0.000	95	795793	20.0	18.5	
55 1,2-Dichloroethane	62	5.748	5.748	0.000	98	276960	20.0	16.7	
57 n-Heptane	57	5.902	5.914	-0.012	87	135902	20.0	16.8	
59 Trichloroethene	130	6.222	6.222	0.000	96	251354	20.0	18.7	
61 Methylcyclohexane	83	6.424	6.424	0.000	91	322317	20.0	18.6	
62 1,2-Dichloropropane	63	6.436	6.436	0.000	93	183887	20.0	17.5	
65 1,4-Dioxane	88	6.471	6.471	0.000	87	74493	400.0	385.9	
64 Dibromomethane	174	6.507	6.507	0.000	90	178125	20.0	18.5	
66 Dichlorobromomethane	83	6.626	6.626	0.000	98	253047	20.0	16.5	
68 2-Chloroethyl vinyl ether	63	6.815	6.815	0.000	94	124687	20.0	15.6	
69 cis-1,3-Dichloropropene	75	6.970	6.970	0.000	96	270927	20.0	15.0	
70 4-Methyl-2-pentanone (MIBK)	43	7.064	7.064	0.000	96	507163	40.0	29.1	
71 Toluene	91	7.266	7.266	0.000	98	846487	20.0	19.7	
72 trans-1,3-Dichloropropene	75	7.432	7.432	0.000	98	259174	20.0	15.7	
73 Ethyl methacrylate	69	7.444	7.444	0.000	84	243073	20.0	16.7	
74 1,1,2-Trichloroethane	97	7.598	7.598	0.000	91	190641	20.0	20.8	
75 Tetrachloroethene	166	7.705	7.705	0.000	97	268467	20.0	20.9	
76 1,3-Dichloropropane	76	7.752	7.752	0.000	94	308770	20.0	19.7	
77 2-Hexanone	43	7.752	7.752	0.000	94	400288	40.0	31.4	
79 Chlorodibromomethane	129	7.942	7.942	0.000	88	206755	20.0	18.1	
81 Ethylene Dibromide	107	8.060	8.061	-0.001	97	203996	20.0	19.0	
83 Chlorobenzene	112	8.487	8.487	0.000	96	559559	20.0	19.7	
84 1,1,1,2-Tetrachloroethane	131	8.547	8.547	0.000	93	205217	20.0	18.4	
85 Ethylbenzene	106	8.547	8.547	0.000	98	300666	20.0	19.5	
86 m-Xylene & p-Xylene	106	8.665	8.665	0.000	99	367242	20.0	19.6	
87 o-Xylene	106	9.009	9.009	0.000	94	349152	20.0	19.1	
88 Styrene	104	9.021	9.021	0.000	93	558274	20.0	18.7	
89 Bromoform	173	9.211	9.211	0.000	97	161570	20.0	17.5	
90 Isopropylbenzene	105	9.341	9.341	0.000	96	909341	20.0	19.4	
93 1,1,2,2-Tetrachloroethane	83	9.602	9.602	0.000	96	286560	20.0	18.7	
97 trans-1,4-Dichloro-2-butene	53	9.638	9.638	0.000	77	67826	20.0	11.4	
95 Bromobenzene	156	9.661	9.661	0.000	94	263778	20.0	19.3	
96 1,2,3-Trichloropropane	110	9.673	9.673	0.000	84	105025	20.0	18.8	
98 N-Propylbenzene	120	9.721	9.721	0.000	98	263082	20.0	19.0	
100 2-Chlorotoluene	126	9.816	9.816	0.000	97	225133	20.0	18.7	
101 1,3,5-Trimethylbenzene	105	9.875	9.875	0.000	94	752263	20.0	18.7	
102 4-Chlorotoluene	126	9.934	9.934	0.000	97	236050	20.0	18.4	
103 tert-Butylbenzene	119	10.183	10.183	0.000	92	642025	20.0	18.3	
105 1,2,4-Trimethylbenzene	105	10.231	10.231	0.000	96	770952	20.0	18.8	
106 sec-Butylbenzene	105	10.385	10.385	0.000	94	913617	20.0	18.7	
108 4-Isopropyltoluene	119	10.515	10.515	0.000	96	788841	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
107 1,3-Dichlorobenzene	146	10.515	10.515	0.000	77	480181	20.0	19.0	
109 1,4-Dichlorobenzene	146	10.610	10.610	0.000	98	492660	20.0	19.0	
112 n-Butylbenzene	91	10.907	10.907	0.000	97	632484	20.0	17.0	
113 1,2-Dichlorobenzene	146	10.954	10.954	0.000	99	458875	20.0	19.0	
114 1,2-Dibromo-3-Chloropropane	157	11.689	11.689	0.000	87	75967	20.0	14.5	
116 1,2,4-Trichlorobenzene	180	12.484	12.484	0.000	94	263091	20.0	15.7	
117 Hexachlorobutadiene	225	12.614	12.614	0.000	97	113599	20.0	16.4	
118 Naphthalene	128	12.757	12.757	0.000	97	822701	20.0	15.1	
119 1,2,3-Trichlorobenzene	180	12.994	12.994	0.000	96	260904	20.0	16.6	
S 124 Total BTEX	1				0		100.0	96.3	
S 125 Trihalomethanes, Total	1				0		80.0	70.4	
S 128 Xylenes, Total	106				0		40.0	38.6	

QC Flag Legend

Processing Flags

Reagents:

vmfasaw_00390	Amount Added:	16.00	Units: uL	
vmfaspw_00414	Amount Added:	16.00	Units: uL	
vmfasgw_00425	Amount Added:	16.00	Units: uL	
vm50ss_stk_00088	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent

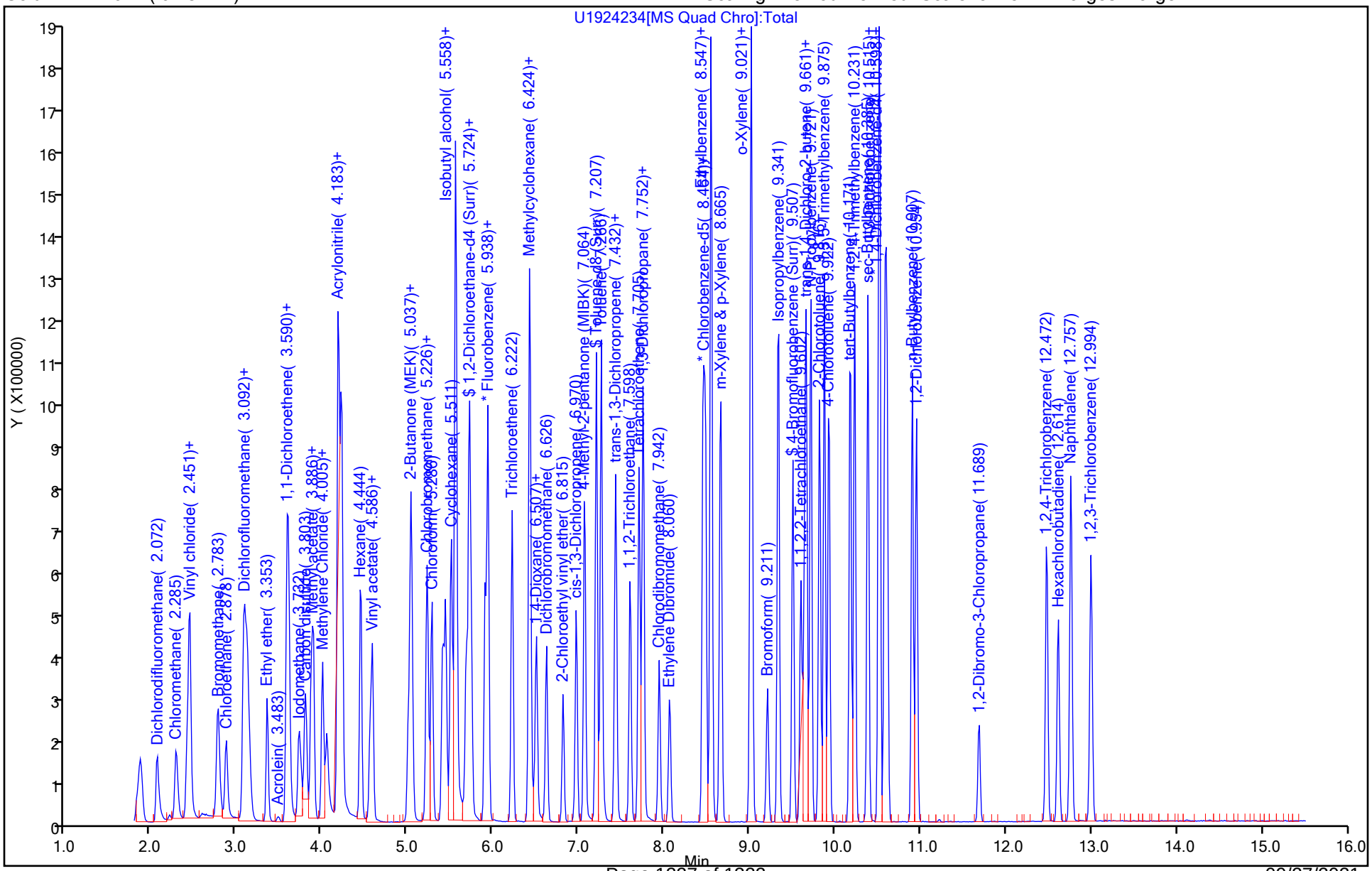
Report Date: 18-Sep-2021 13:38:31 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\U1924234.d

Injection Date:	18-Sep-2021 12:55:11	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	LCS			Worklist Smp#:	6
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\20210918-113275.b\U1924234.d
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 18-Sep-2021 12:55:11 ALS Bottle#: 0 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113275-006
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 18-Sep-2021 11:33:23 Calib Date: 27-Aug-2021 19:48:52
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923846.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1603

First Level Reviewer: laveyt Date: 18-Sep-2021 13:38:30

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.3	96.39
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	17.7	88.52
$ 6 Toluene-d8 (Surr)	20.0	20.1	100.57
$ 7 4-Bromofluorobenzene (Surr)	20.0	20.6	103.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-504389/5

Matrix: Water Lab File ID: UXM39903.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 11:12

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.: 504389 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	47.4		10	5.4
71-43-2	Benzene	21.6		1.0	0.42
108-86-1	Bromobenzene	21.2		1.0	0.50
74-97-5	Bromochloromethane	20.0		1.0	0.54
75-27-4	Bromodichloromethane	19.2		1.0	0.17
75-25-2	Bromoform	18.7		1.0	0.76
74-83-9	Bromomethane	16.7		1.0	0.42
78-93-3	2-Butanone	47.8		10	1.2
75-15-0	Carbon disulfide	20.4		1.0	0.59
56-23-5	Carbon tetrachloride	20.7		1.0	0.26
108-90-7	Chlorobenzene	21.5		1.0	0.38
75-00-3	Chloroethane	18.0		1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	8.32	J	10	1.5
67-66-3	Chloroform	20.3		1.0	0.47
74-87-3	Chloromethane	15.1		1.0	0.63
95-49-8	2-Chlorotoluene	20.8		1.0	0.57
106-43-4	4-Chlorotoluene	21.4		1.0	0.43
156-59-2	cis-1,2-Dichloroethene	20.0		1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	20.0		1.0	0.61
124-48-1	Dibromochloromethane	20.1		1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	17.6		2.0	0.91
106-93-4	1,2-Dibromoethane	22.7		1.0	0.41
74-95-3	Dibromomethane	19.8		1.0	0.40
95-50-1	1,2-Dichlorobenzene	20.7		1.0	0.48
541-73-1	1,3-Dichlorobenzene	21.1		1.0	0.45
106-46-7	1,4-Dichlorobenzene	21.1		1.0	0.41
75-71-8	Dichlorodifluoromethane	18.1		1.0	0.35
75-34-3	1,1-Dichloroethane	18.2		1.0	0.47
107-06-2	1,2-Dichloroethane	20.5		1.0	0.21
75-35-4	1,1-Dichloroethene	21.6		1.0	0.49
78-87-5	1,2-Dichloropropane	21.2		1.0	0.47
142-28-9	1,3-Dichloropropane	22.1		1.0	0.21
594-20-7	2,2-Dichloropropane	11.9		1.0	0.78
563-58-6	1,1-Dichloropropene	22.3		1.0	0.36
100-41-4	Ethylbenzene	21.1		1.0	0.42
87-68-3	Hexachlorobutadiene	20.3		1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-504389/5

Matrix: Water Lab File ID: UXM39903.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 11:12

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.: 504389 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
591-78-6	2-Hexanone	40.6		10	1.1
98-82-8	Isopropylbenzene	21.3		1.0	0.49
75-09-2	Methylene Chloride	20.6		5.0	2.6
108-10-1	4-Methyl-2-pentanone	40.0		10	0.99
1634-04-4	Methyl tert-butyl ether	20.0		1.0	0.47
179601-23-1	m-Xylene & p-Xylene	21.0		2.0	0.42
91-20-3	Naphthalene	18.6		1.0	0.80
104-51-8	n-Butylbenzene	20.2		1.0	0.60
103-65-1	n-Propylbenzene	20.9		1.0	0.57
95-47-6	o-Xylene	21.2		1.0	0.42
99-87-6	p-Isopropyltoluene	21.1		1.0	0.56
135-98-8	sec-Butylbenzene	20.9		1.0	0.53
100-42-5	Styrene	22.9		1.0	0.45
75-65-0	tert-Butyl alcohol	50.2		40	7.2
98-06-6	tert-Butylbenzene	20.9		1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	22.0		1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	21.8		1.0	0.60
127-18-4	Tetrachloroethene	22.5		1.0	0.44
108-88-3	Toluene	21.0		1.0	0.44
156-60-5	trans-1,2-Dichloroethene	20.5		1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	19.7		1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	18.7		1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	18.8		1.0	0.77
71-55-6	1,1,1-Trichloroethane	20.6		1.0	0.48
79-01-6	Trichloroethene	22.3		1.0	0.44
75-69-4	Trichlorofluoromethane	21.1		1.0	0.45
96-18-4	1,2,3-Trichloropropane	22.3		1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	23.7		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	20.7		1.0	0.52
108-05-4	Vinyl acetate	23.6		2.0	0.61
75-01-4	Vinyl chloride	16.0		1.0	0.45
1330-20-7	Xylenes, Total	42.2		2.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-504389/5

Matrix: Water Lab File ID: UXM39903.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 11:12

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.: 504389 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	101		56-136
1868-53-7	Dibromofluoromethane (Surr)	90		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		62-137
2037-26-5	Toluene-d8 (Surr)	95		78-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\UXM39903.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 20-Sep-2021 11:12:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113298-005
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 11:55:09 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: CTX1626

First Level Reviewer: bosworthh Date: 20-Sep-2021 11:55:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.846	5.846	0.000	99	1425444	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	84	1117099	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	624166	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.265	5.276	-0.012	94	354770	22.7	20.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	422630	22.7	20.7	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	92	1468407	22.7	21.6	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	86	602683	22.7	23.0	
9 Dichlorodifluoromethane	85	1.707	1.707	0.000	99	463488	20.0	18.1	
10 Chloromethane	50	1.897	1.897	0.000	99	398074	20.0	15.1	
11 Vinyl chloride	62	2.015	2.015	0.000	97	420407	20.0	16.0	
12 Butadiene	54	2.051	2.051	0.000	96	351931	20.0	13.8	
13 Bromomethane	94	2.347	2.359	-0.012	90	247561	20.0	16.7	
14 Chloroethane	64	2.478	2.478	0.000	99	265520	20.0	18.0	
15 Dichlorofluoromethane	67	2.703	2.703	0.000	97	657713	20.0	19.7	
16 Trichlorofluoromethane	101	2.727	2.727	0.000	98	601014	20.0	21.1	
17 Ethyl ether	59	3.000	3.011	-0.011	89	268240	20.0	21.1	
18 Acrolein	56	3.154	3.154	0.000	99	62533	100.0	80.2	
19 1,1-Dichloroethene	96	3.237	3.237	0.000	98	341782	20.0	21.6	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.249	3.249	0.000	90	292759	20.0	23.7	
21 Acetone	58	3.284	3.284	0.000	100	63164	40.0	47.4	
23 Iodomethane	142	3.391	3.391	0.000	97	384887	20.0	18.3	
24 Carbon disulfide	76	3.450	3.450	0.000	99	1057244	20.0	20.4	
27 Methyl acetate	43	3.569	3.581	-0.012	97	362578	40.0	30.7	
26 3-Chloro-1-propene	41	3.581	3.592	-0.011	90	367564	20.0	13.3	
28 Methylene Chloride	84	3.711	3.711	0.000	87	386399	20.0	20.6	
29 2-Methyl-2-propanol	59	3.782	3.794	-0.012	99	78572	200.0	50.2	
30 Acrylonitrile	53	3.925	3.925	0.000	99	1227828	200.0	189.6	
31 Methyl tert-butyl ether	73	3.936	3.936	0.000	94	879188	20.0	20.0	
32 trans-1,2-Dichloroethene	96	3.948	3.960	-0.012	99	389700	20.0	20.5	
33 Hexane	57	4.197	4.197	0.000	89	546479	20.0	21.8	
35 Vinyl acetate	43	4.340	4.340	0.000	97	506930	20.0	23.6	
34 1,1-Dichloroethane	63	4.351	4.351	0.000	96	607833	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	4.826	4.826	0.000	98	80310	40.0	47.8	
41 2,2-Dichloropropane	77	4.849	4.849	0.000	88	349023	20.0	11.9	
39 cis-1,2-Dichloroethene	96	4.849	4.849	0.000	80	421922	20.0	20.0	
45 Chlorobromomethane	128	5.051	5.051	0.000	91	185867	20.0	20.0	
46 Tetrahydrofuran	42	5.063	5.063	0.000	85	176534	40.0	36.8	
47 Chloroform	83	5.134	5.134	0.000	93	661807	20.0	20.3	
48 1,1,1-Trichloroethane	97	5.288	5.288	0.000	98	578213	20.0	20.6	
49 Cyclohexane	56	5.336	5.348	-0.012	87	648355	20.0	20.9	
50 1,1-Dichloropropene	75	5.419	5.419	0.000	96	539510	20.0	22.3	
51 Carbon tetrachloride	117	5.419	5.419	0.000	87	477058	20.0	20.7	
52 Isobutyl alcohol	41	5.478	5.478	0.000	94	238059	500.0	480.7	
54 Benzene	78	5.585	5.597	-0.012	97	1558371	20.0	21.6	
53 1,2-Dichloroethane	62	5.632	5.632	0.000	98	491812	20.0	20.5	
56 n-Heptane	57	5.822	5.822	0.000	93	324381	20.0	21.1	
58 Trichloroethene	130	6.154	6.154	0.000	97	418112	20.0	22.3	
60 Methylcyclohexane	83	6.355	6.356	-0.001	89	717913	20.0	22.7	
61 1,2-Dichloropropane	63	6.379	6.379	0.000	95	359487	20.0	21.2	
64 1,4-Dioxane	88	6.427	6.427	0.000	89	83364	400.0	406.7	
63 Dibromomethane	93	6.450	6.450	0.000	94	206149	20.0	19.8	
65 Dichlorobromomethane	83	6.605	6.605	0.000	100	465722	20.0	19.2	
67 2-Chloroethyl vinyl ether	63	6.830	6.830	0.000	92	81026	20.0	8.32	
68 cis-1,3-Dichloropropene	75	6.984	6.984	0.000	96	558600	20.0	20.0	
69 4-Methyl-2-pentanone (MIBK)	43	7.103	7.103	0.000	94	511918	40.0	40.0	
70 Toluene	91	7.280	7.280	0.000	98	1677298	20.0	21.0	
71 trans-1,3-Dichloropropene	75	7.482	7.482	0.000	89	494782	20.0	19.7	
72 Ethyl methacrylate	69	7.518	7.518	0.000	87	408185	20.0	20.6	
73 1,1,2-Trichloroethane	97	7.672	7.672	0.000	90	308106	20.0	22.6	
75 Tetrachloroethene	164	7.755	7.755	0.000	98	334380	20.0	22.5	
74 1,3-Dichloropropane	76	7.814	7.814	0.000	88	552140	20.0	22.1	
76 2-Hexanone	43	7.850	7.850	0.000	92	374673	40.0	40.6	
78 Chlorodibromomethane	129	8.016	8.016	0.000	90	316173	20.0	20.1	
80 Ethylene Dibromide	107	8.134	8.134	0.000	99	308771	20.0	22.7	
82 Chlorobenzene	112	8.597	8.597	0.000	97	1097837	20.0	21.5	
83 1,1,1,2-Tetrachloroethane	131	8.668	8.668	0.000	94	348671	20.0	22.0	
84 Ethylbenzene	106	8.680	8.680	0.000	98	611120	20.0	21.1	
85 m-Xylene & p-Xylene	106	8.798	8.798	0.000	97	768369	20.0	21.0	
86 o-Xylene	106	9.166	9.166	0.000	97	729305	20.0	21.2	
87 Styrene	104	9.178	9.190	-0.012	95	1208286	20.0	22.9	
88 Bromoform	173	9.368	9.368	0.000	96	179769	20.0	18.7	
89 Isopropylbenzene	105	9.510	9.510	0.000	96	1923899	20.0	21.3	
92 1,1,2,2-Tetrachloroethane	83	9.818	9.818	0.000	95	376658	20.0	21.8	
93 Bromobenzene	156	9.842	9.842	0.000	93	439455	20.0	21.2	
94 trans-1,4-Dichloro-2-butene	53	9.854	9.854	0.000	89	92778	20.0	15.8	
95 1,2,3-Trichloropropane	110	9.877	9.877	0.000	82	125928	20.0	22.3	
96 N-Propylbenzene	120	9.925	9.925	0.000	99	553518	20.0	20.9	
97 2-Chlorotoluene	126	10.020	10.020	0.000	96	446921	20.0	20.8	
99 1,3,5-Trimethylbenzene	105	10.103	10.103	0.000	94	1641920	20.0	20.7	
100 4-Chlorotoluene	126	10.138	10.138	0.000	97	479221	20.0	21.4	
102 tert-Butylbenzene	119	10.411	10.411	0.000	92	1427915	20.0	20.9	
104 1,2,4-Trimethylbenzene	105	10.470	10.470	0.000	97	1663208	20.0	20.7	
105 sec-Butylbenzene	105	10.636	10.636	0.000	93	2137459	20.0	20.9	
106 1,3-Dichlorobenzene	146	10.755	10.755	0.000	97	875231	20.0	21.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 4-Isopropyltoluene	119	10.779	10.779	0.000	97	1846212	20.0	21.1	
108 1,4-Dichlorobenzene	146	10.862	10.862	0.000	96	877689	20.0	21.1	
111 n-Butylbenzene	91	11.182	11.182	0.000	98	1593743	20.0	20.2	
112 1,2-Dichlorobenzene	146	11.217	11.217	0.000	98	792983	20.0	20.7	
113 1,2-Dibromo-3-Chloropropane	157	12.000	12.000	0.000	86	71708	20.0	17.6	
115 1,2,4-Trichlorobenzene	180	12.830	12.830	0.000	94	418797	20.0	18.8	
116 Hexachlorobutadiene	225	12.973	12.973	0.000	98	203224	20.0	20.3	
117 Naphthalene	128	13.115	13.115	0.000	96	1050399	20.0	18.6	
118 1,2,3-Trichlorobenzene	180	13.364	13.364	0.000	96	353874	20.0	18.7	
S 134 Trihalomethanes, Total	1				0		80.0	78.3	
S 158 Total BTEX	1				0		100.0	105.9	
S 133 Xylenes, Total	106				0		40.0	42.2	

QC Flag Legend

Processing Flags

Reagents:

vmfasgw_00425	Amount Added: 16.00	Units: uL		
vmfasaw_00391	Amount Added: 16.00	Units: uL		
vmfaspw_00415	Amount Added: 16.00	Units: uL		
vm50is_stk_A_00009	Amount Added: 2.00	Units: uL	Run Reagent	
vmDist_H2o_00202	Amount Added: 0.00	Units:	Run Reagent	
vm50ss_stk_00088	Amount Added: 2.27	Units: uL	Run Reagent	
vm40ml_vials_00016	Amount Added: 0.00	Units:	Run Reagent	

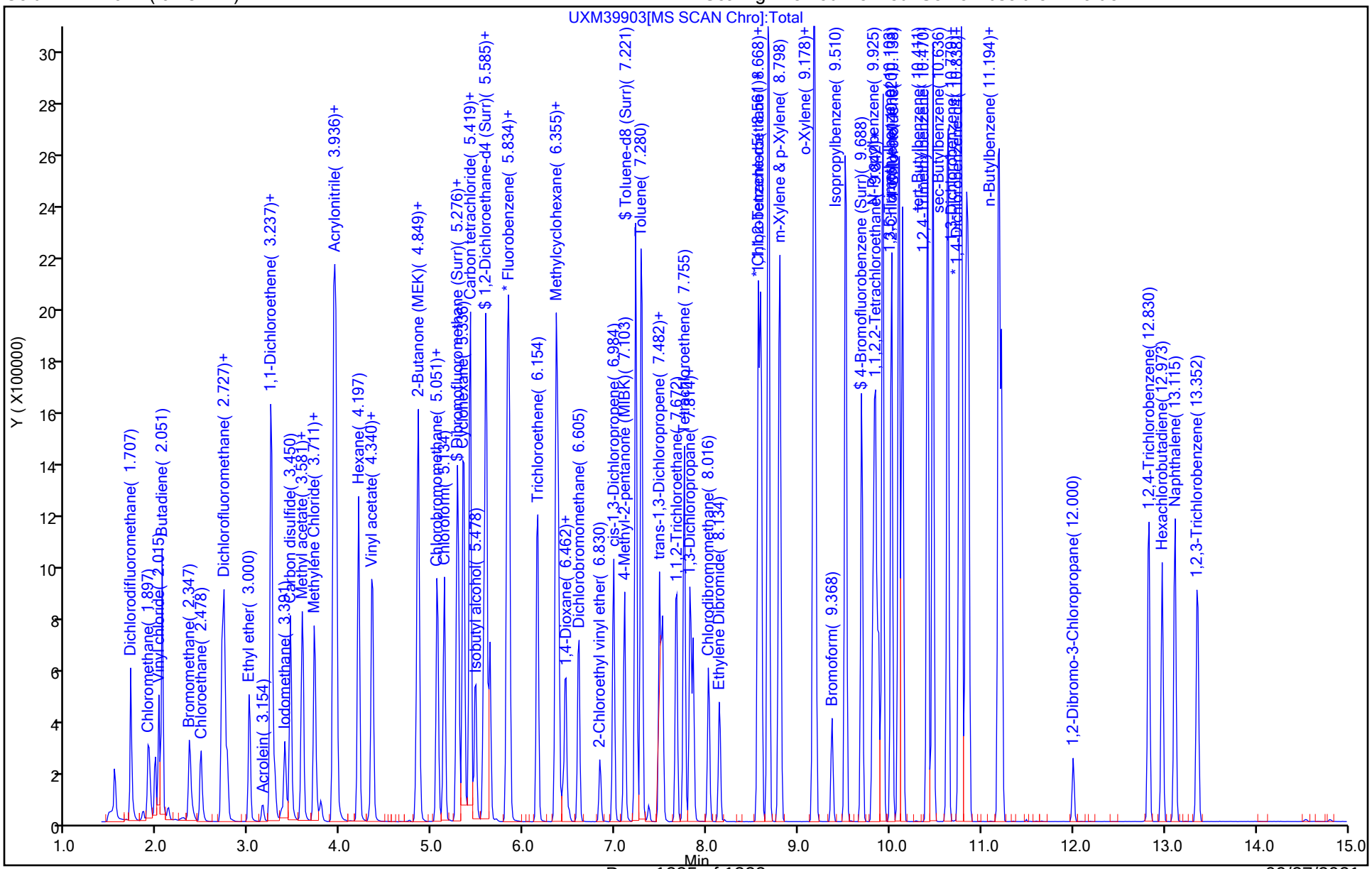
Report Date: 20-Sep-2021 11:55:09 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\UXM39903.D

Injection Date:	20-Sep-2021 11:12:30	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\20210920-113298.b\UXM39903.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 20-Sep-2021 11:12:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113298-005
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 11:55:09 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: CTX1626

First Level Reviewer: bosworthh Date: 20-Sep-2021 11:55:09

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	20.5	90.42
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	20.7	91.24
$ 6 Toluene-d8 (Surr)	22.7	21.6	95.07
$ 7 4-Bromofluorobenzene (Surr)	22.7	23.0	101.47

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-505049/5

Matrix: Water Lab File ID: UXM40034.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 12:04

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	43.5		10	5.4
71-43-2	Benzene	20.4		1.0	0.42
108-86-1	Bromobenzene	19.3		1.0	0.50
74-97-5	Bromochloromethane	19.2		1.0	0.54
75-27-4	Bromodichloromethane	18.1		1.0	0.17
75-25-2	Bromoform	17.0		1.0	0.76
74-83-9	Bromomethane	17.9		1.0	0.42
78-93-3	2-Butanone	40.8		10	1.2
75-15-0	Carbon disulfide	19.3		1.0	0.59
56-23-5	Carbon tetrachloride	20.1		1.0	0.26
108-90-7	Chlorobenzene	20.1		1.0	0.38
75-00-3	Chloroethane	19.0		1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	13.3		10	1.5
67-66-3	Chloroform	19.3		1.0	0.47
74-87-3	Chloromethane	16.1		1.0	0.63
95-49-8	2-Chlorotoluene	19.3		1.0	0.57
106-43-4	4-Chlorotoluene	19.3		1.0	0.43
156-59-2	cis-1,2-Dichloroethene	19.2		1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	18.4		1.0	0.61
124-48-1	Dibromochloromethane	18.2		1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	14.7		2.0	0.91
106-93-4	1,2-Dibromoethane	20.9		1.0	0.41
74-95-3	Dibromomethane	19.3		1.0	0.40
95-50-1	1,2-Dichlorobenzene	18.8		1.0	0.48
541-73-1	1,3-Dichlorobenzene	19.3		1.0	0.45
106-46-7	1,4-Dichlorobenzene	19.8		1.0	0.41
75-71-8	Dichlorodifluoromethane	17.8		1.0	0.35
75-34-3	1,1-Dichloroethane	17.7		1.0	0.47
107-06-2	1,2-Dichloroethane	19.4		1.0	0.21
75-35-4	1,1-Dichloroethene	20.8		1.0	0.49
78-87-5	1,2-Dichloropropane	19.8		1.0	0.47
142-28-9	1,3-Dichloropropane	20.1		1.0	0.21
594-20-7	2,2-Dichloropropane	12.1		1.0	0.78
563-58-6	1,1-Dichloropropene	21.0		1.0	0.36
100-41-4	Ethylbenzene	20.0		1.0	0.42
87-68-3	Hexachlorobutadiene	18.9		1.0	0.83

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-505049/5

Matrix: Water Lab File ID: UXM40034.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 12:04

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
591-78-6	2-Hexanone	35.2		10	1.1
98-82-8	Isopropylbenzene	20.0		1.0	0.49
75-09-2	Methylene Chloride	19.6		5.0	2.6
108-10-1	4-Methyl-2-pentanone	35.1		10	0.99
1634-04-4	Methyl tert-butyl ether	18.6		1.0	0.47
179601-23-1	m-Xylene & p-Xylene	19.8		2.0	0.42
91-20-3	Naphthalene	15.9		1.0	0.80
104-51-8	n-Butylbenzene	18.6		1.0	0.60
103-65-1	n-Propylbenzene	19.5		1.0	0.57
95-47-6	o-Xylene	19.9		1.0	0.42
99-87-6	p-Isopropyltoluene	19.6		1.0	0.56
135-98-8	sec-Butylbenzene	19.3		1.0	0.53
100-42-5	Styrene	21.2		1.0	0.45
75-65-0	tert-Butyl alcohol	45.3		40	7.2
98-06-6	tert-Butylbenzene	19.3		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	19.1		1.0	0.60
127-18-4	Tetrachloroethene	21.0		1.0	0.44
108-88-3	Toluene	19.6		1.0	0.44
156-60-5	trans-1,2-Dichloroethene	19.8		1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	17.8		1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	16.7		1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	16.9		1.0	0.77
71-55-6	1,1,1-Trichloroethane	19.7		1.0	0.48
79-01-6	Trichloroethene	21.4		1.0	0.44
75-69-4	Trichlorofluoromethane	22.9		1.0	0.45
96-18-4	1,2,3-Trichloropropane	20.5		1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	23.4		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	19.0		1.0	0.52
108-05-4	Vinyl acetate	19.8		2.0	0.61
75-01-4	Vinyl chloride	17.4		1.0	0.45
1330-20-7	Xylenes, Total	39.7		2.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: LCS 240-505049/5

Matrix: Water Lab File ID: UXM40034.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 12:04

Soil Aliquot Vol: Dilution Factor: 1

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 505049 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	101		56-136
1868-53-7	Dibromofluoromethane (Surr)	92		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		62-137
2037-26-5	Toluene-d8 (Surr)	94		78-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40034.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 23-Sep-2021 12:04:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0113440-005
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Sep-2021 12:28:14 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: CTX1664

First Level Reviewer: bosworthh Date: 23-Sep-2021 12:28:14

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	1407941	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	86	1125811	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	635920	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.265	5.264	0.001	93	356029	22.7	20.8	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	420642	22.7	20.9	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	92	1465979	22.7	21.4	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	88	602155	22.7	22.8	
9 Dichlorodifluoromethane	85	1.707	1.707	0.000	99	449922	20.0	17.8	
10 Chloromethane	50	1.897	1.897	0.000	99	420482	20.0	16.1	
11 Vinyl chloride	62	2.015	2.015	0.000	98	450702	20.0	17.4	
12 Butadiene	54	2.051	2.051	0.000	95	387116	20.0	15.4	
13 Bromomethane	94	2.347	2.347	0.000	90	262506	20.0	17.9	
14 Chloroethane	64	2.478	2.478	0.000	99	276702	20.0	19.0	
15 Dichlorofluoromethane	67	2.703	2.703	0.000	97	700188	20.0	21.2	
16 Trichlorofluoromethane	101	2.727	2.727	0.000	98	645793	20.0	22.9	
17 Ethyl ether	59	3.000	2.999	0.001	90	242636	20.0	19.3	
18 Acrolein	56	3.142	3.154	-0.012	98	56921	100.0	73.9	
19 1,1-Dichloroethene	96	3.237	3.237	0.000	97	326020	20.0	20.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.249	3.248	0.001	91	284642	20.0	23.4	
21 Acetone	58	3.284	3.284	0.000	100	57530	40.0	43.5	
23 Iodomethane	142	3.391	3.391	0.000	97	364375	20.0	17.6	
24 Carbon disulfide	76	3.450	3.450	0.000	99	988828	20.0	19.3	
27 Methyl acetate	43	3.569	3.569	0.000	97	334010	40.0	28.6	
26 3-Chloro-1-propene	41	3.581	3.580	0.001	90	352352	20.0	12.9	
28 Methylene Chloride	84	3.711	3.711	0.000	88	362511	20.0	19.6	
29 2-Methyl-2-propanol	59	3.782	3.782	0.000	99	69950	200.0	45.3	
30 Acrylonitrile	53	3.925	3.924	0.001	99	1105273	200.0	172.8	
31 Methyl tert-butyl ether	73	3.936	3.936	0.000	94	805466	20.0	18.6	
32 trans-1,2-Dichloroethene	96	3.948	3.948	0.000	98	370887	20.0	19.8	
33 Hexane	57	4.197	4.197	0.000	90	522713	20.0	21.1	
35 Vinyl acetate	43	4.340	4.339	0.001	97	419180	20.0	19.8	
34 1,1-Dichloroethane	63	4.351	4.351	0.000	96	582438	20.0	17.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Butanone (MEK)	72	4.826	4.826	0.000	99	67595	40.0	40.8	
41 2,2-Dichloropropane	77	4.849	4.849	0.000	89	349245	20.0	12.1	
39 cis-1,2-Dichloroethene	96	4.849	4.849	0.000	80	399743	20.0	19.2	
45 Chlorobromomethane	128	5.051	5.051	0.000	91	176772	20.0	19.2	
46 Tetrahydrofuran	42	5.063	5.063	0.000	84	153624	40.0	32.5	
47 Chloroform	83	5.134	5.134	0.000	93	621558	20.0	19.3	
48 1,1,1-Trichloroethane	97	5.288	5.288	0.000	98	547080	20.0	19.7	
49 Cyclohexane	56	5.348	5.336	0.012	87	615366	20.0	20.1	
51 Carbon tetrachloride	117	5.419	5.419	0.000	89	458451	20.0	20.1	
50 1,1-Dichloropropene	75	5.419	5.419	0.000	95	502146	20.0	21.0	
52 Isobutyl alcohol	41	5.478	5.478	0.000	94	199713	500.0	408.3	
54 Benzene	78	5.585	5.585	0.000	96	1451861	20.0	20.4	
53 1,2-Dichloroethane	62	5.632	5.632	0.000	98	458402	20.0	19.4	
56 n-Heptane	57	5.822	5.822	0.000	88	303798	20.0	19.8	
58 Trichloroethene	130	6.154	6.154	0.000	97	395490	20.0	21.4	
60 Methylcyclohexane	83	6.356	6.355	0.001	89	693141	20.0	22.2	
61 1,2-Dichloropropane	63	6.379	6.379	0.000	94	332171	20.0	19.8	
64 1,4-Dioxane	88	6.427	6.427	0.000	89	73272	400.0	361.9	
63 Dibromomethane	93	6.450	6.450	0.000	95	198888	20.0	19.3	
65 Dichlorobromomethane	83	6.605	6.604	0.001	99	432109	20.0	18.1	
67 2-Chloroethyl vinyl ether	63	6.830	6.830	0.000	96	127738	20.0	13.3	
68 cis-1,3-Dichloropropene	75	6.984	6.984	0.000	97	509181	20.0	18.4	
69 4-Methyl-2-pentanone (MIBK)	43	7.103	7.102	0.001	94	444177	40.0	35.1	
70 Toluene	91	7.280	7.280	0.000	98	1583248	20.0	19.6	
71 trans-1,3-Dichloropropene	75	7.482	7.482	0.000	92	450847	20.0	17.8	
72 Ethyl methacrylate	69	7.518	7.518	0.000	87	361805	20.0	18.1	
73 1,1,2-Trichloroethane	97	7.672	7.672	0.000	90	282786	20.0	20.6	
75 Tetrachloroethene	164	7.755	7.755	0.000	98	314169	20.0	21.0	
74 1,3-Dichloropropane	76	7.814	7.814	0.000	88	505529	20.0	20.1	
76 2-Hexanone	43	7.850	7.850	0.000	92	327646	40.0	35.2	
78 Chlorodibromomethane	129	8.016	8.016	0.000	90	289878	20.0	18.2	
80 Ethylene Dibromide	107	8.134	8.134	0.000	98	285934	20.0	20.9	
82 Chlorobenzene	112	8.597	8.597	0.000	97	1036180	20.0	20.1	
83 1,1,1,2-Tetrachloroethane	131	8.668	8.668	0.000	95	327131	20.0	20.5	
84 Ethylbenzene	106	8.680	8.680	0.000	98	584012	20.0	20.0	
85 m-Xylene & p-Xylene	106	8.798	8.798	0.000	97	729726	20.0	19.8	
86 o-Xylene	106	9.166	9.166	0.000	96	691538	20.0	19.9	
87 Styrene	104	9.190	9.190	0.000	96	1125134	20.0	21.2	
88 Bromoform	173	9.368	9.367	0.001	96	164661	20.0	17.0	
89 Isopropylbenzene	105	9.522	9.522	0.000	95	1826716	20.0	20.0	
92 1,1,2,2-Tetrachloroethane	83	9.818	9.818	0.000	95	335751	20.0	19.1	
93 Bromobenzene	156	9.842	9.842	0.000	93	407541	20.0	19.3	
94 trans-1,4-Dichloro-2-butene	53	9.854	9.854	0.000	80	82562	20.0	13.8	
95 1,2,3-Trichloropropane	110	9.877	9.877	0.000	82	118031	20.0	20.5	
96 N-Propylbenzene	120	9.925	9.925	0.000	99	525876	20.0	19.5	
97 2-Chlorotoluene	126	10.020	10.020	0.000	96	422849	20.0	19.3	
99 1,3,5-Trimethylbenzene	105	10.103	10.103	0.000	93	1561630	20.0	19.3	
100 4-Chlorotoluene	126	10.138	10.138	0.000	97	441203	20.0	19.3	
102 tert-Butylbenzene	119	10.411	10.411	0.000	92	1343835	20.0	19.3	
104 1,2,4-Trimethylbenzene	105	10.470	10.470	0.000	97	1557666	20.0	19.0	
105 sec-Butylbenzene	105	10.636	10.636	0.000	93	2014676	20.0	19.3	
106 1,3-Dichlorobenzene	146	10.755	10.755	0.000	97	815195	20.0	19.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 4-Isopropyltoluene	119	10.779	10.779	0.000	97	1739732	20.0	19.6	
108 1,4-Dichlorobenzene	146	10.862	10.862	0.000	96	839800	20.0	19.8	
111 n-Butylbenzene	91	11.182	11.182	0.000	97	1494515	20.0	18.6	
112 1,2-Dichlorobenzene	146	11.218	11.217	0.001	98	736222	20.0	18.8	
113 1,2-Dibromo-3-Chloropropane	157	12.000	12.000	0.000	86	61125	20.0	14.7	
115 1,2,4-Trichlorobenzene	180	12.830	12.830	0.000	94	383629	20.0	16.9	
116 Hexachlorobutadiene	225	12.973	12.972	0.001	98	193338	20.0	18.9	
117 Naphthalene	128	13.115	13.115	0.000	97	915742	20.0	15.9	
118 1,2,3-Trichlorobenzene	180	13.364	13.364	0.000	96	321585	20.0	16.7	
S 134 Trihalomethanes, Total	1				0		80.0	72.6	
S 158 Total BTEX	1				0		100.0	99.8	
S 133 Xylenes, Total	106				0		40.0	39.7	

QC Flag Legend

Processing Flags

Reagents:

vmfasgw_00426	Amount Added: 16.00	Units: uL		
vmfasaw_00391	Amount Added: 16.00	Units: uL		
vmfaspw_00415	Amount Added: 16.00	Units: uL		
vm50is_stk_A_00009	Amount Added: 2.00	Units: uL	Run Reagent	
vmDist_H2o_00202	Amount Added: 0.00	Units:	Run Reagent	
vm50ss_stk_00088	Amount Added: 2.27	Units: uL	Run Reagent	
vm40ml_vials_00016	Amount Added: 0.00	Units:	Run Reagent	

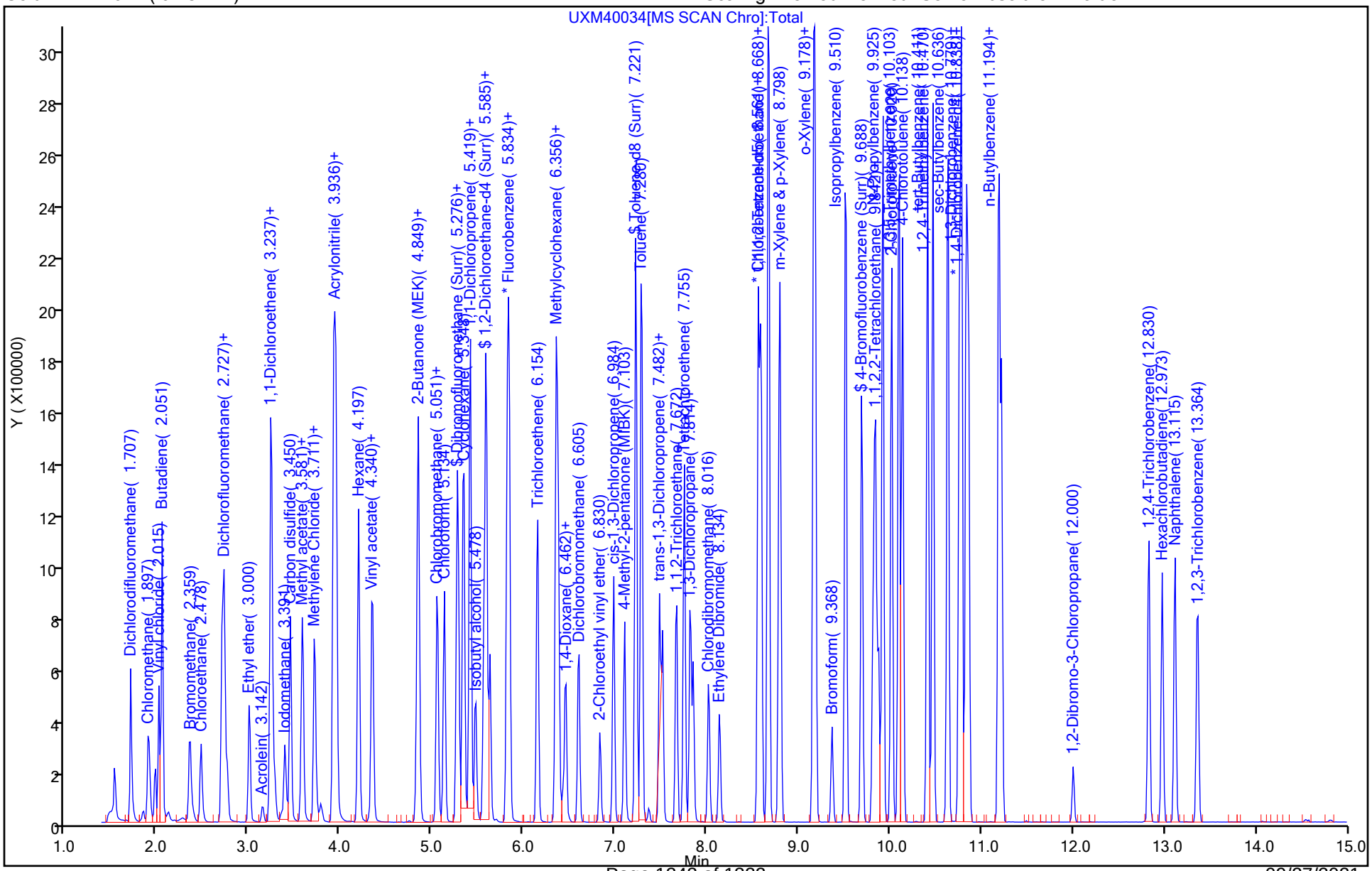
Report Date: 23-Sep-2021 12:28:15 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40034.D

Injection Date:	23-Sep-2021 12:04:30	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\20210923-113440.b\UXM40034.D				
Lims ID:	LCS				
Client ID:					
Sample Type:	LCS				
Inject. Date:	23-Sep-2021 12:04:30	ALS Bottle#:	5	Worklist Smp#:	5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	240-0113440-005				
Operator ID:	001765	Instrument ID:	A3UX16		
Method:	\\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	23-Sep-2021 12:28:14	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:	CTX1664				

First Level Reviewer: bosworthh Date: 23-Sep-2021 12:28:14

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	20.8	91.86
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	20.9	91.94
$ 6 Toluene-d8 (Surr)	22.7	21.4	94.18
$ 7 4-Bromofluorobenzene (Surr)	22.7	22.8	100.59

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 240-156069-B-1 MS

Matrix: Water Lab File ID: UXM39897.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 20:57

Soil Aliquot Vol: Dilution Factor: 50

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	2390		500	270
71-43-2	Benzene	955		50	21
75-27-4	Bromodichloromethane	868		50	8.5
75-25-2	Bromoform	861		50	38
74-83-9	Bromomethane	744		50	21
78-93-3	2-Butanone	2340		500	58
75-15-0	Carbon disulfide	894		50	30
56-23-5	Carbon tetrachloride	924		50	13
108-90-7	Chlorobenzene	919		50	19
75-00-3	Chloroethane	1030		50	42
67-66-3	Chloroform	959		50	24
74-87-3	Chloromethane	751		50	32
156-59-2	cis-1,2-Dichloroethene	958		50	23
10061-01-5	cis-1,3-Dichloropropene	815		50	31
124-48-1	Dibromochloromethane	862		50	20
96-12-8	1,2-Dibromo-3-Chloropropane	847		100	46
106-93-4	1,2-Dibromoethane	1010		50	21
95-50-1	1,2-Dichlorobenzene	893		50	24
541-73-1	1,3-Dichlorobenzene	877		50	23
106-46-7	1,4-Dichlorobenzene	900		50	21
75-71-8	Dichlorodifluoromethane	792		50	18
75-34-3	1,1-Dichloroethane	2970		50	24
107-06-2	1,2-Dichloroethane	980		50	11
75-35-4	1,1-Dichloroethene	1000		50	25
78-87-5	1,2-Dichloropropane	919		50	24
100-41-4	Ethylbenzene	868		50	21
591-78-6	2-Hexanone	1900		500	56
98-82-8	Isopropylbenzene	874		50	25
75-09-2	Methylene Chloride	981		250	130
108-10-1	4-Methyl-2-pentanone	1860		500	50
1634-04-4	Methyl tert-butyl ether	860		50	24
179601-23-1	m-Xylene & p-Xylene	884		100	21
95-47-6	o-Xylene	899		50	21
100-42-5	Styrene	978		50	23
79-34-5	1,1,2,2-Tetrachloroethane	998		50	30
127-18-4	Tetrachloroethene	926		50	22

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 240-156069-B-1 MS

Matrix: Water Lab File ID: UXM39897.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 20:57

Soil Aliquot Vol: Dilution Factor: 50

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	883		50	22
156-60-5	trans-1,2-Dichloroethene	947		50	26
10061-02-6	trans-1,3-Dichloropropene	800		50	34
120-82-1	1,2,4-Trichlorobenzene	813		50	39
71-55-6	1,1,1-Trichloroethane	957		50	24
79-01-6	Trichloroethene	949		50	22
75-69-4	Trichlorofluoromethane	985		50	23
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	1010		50	21
75-01-4	Vinyl chloride	785		50	23
1330-20-7	Xylenes, Total	1780		100	21

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		56-136
1868-53-7	Dibromofluoromethane (Surr)	98		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		62-137
2037-26-5	Toluene-d8 (Surr)	94		78-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\UXM39897.D
Lims ID: 240-156069-B-1 MS
Client ID:
Sample Type: MS
Inject. Date: 18-Sep-2021 20:57:30 ALS Bottle#: 29 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 50.0000
Sample Info: 240-0113269-029
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 07:59:14 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: CTX1626

First Level Reviewer: bosworthh Date: 20-Sep-2021 08:02:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.846	5.846	0.000	99	1140604	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	84	918500	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	535643	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.265	5.264	0.001	94	307338	22.7	22.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	358283	22.7	21.9	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	92	1198622	22.7	21.4	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	87	503778	22.7	23.4	
9 Dichlorodifluoromethane	85	1.707	1.707	0.000	99	325064	20.0	15.8	
10 Chloromethane	50	1.897	1.897	0.000	99	317951	20.0	15.0	
11 Vinyl chloride	62	2.015	2.015	0.000	98	329718	20.0	15.7	
13 Bromomethane	94	2.347	2.347	0.000	90	177326	20.0	14.9	
14 Chloroethane	64	2.478	2.478	0.000	99	242076	20.0	20.5	
16 Trichlorofluoromethane	101	2.727	2.727	0.000	98	449388	20.0	19.7	
19 1,1-Dichloroethene	96	3.237	3.237	0.000	98	254609	20.0	20.1	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.249	3.249	0.000	90	199690	20.0	20.2	
21 Acetone	58	3.284	3.284	0.000	100	50856	40.0	47.7	
24 Carbon disulfide	76	3.450	3.450	0.000	99	742492	20.0	17.9	
27 Methyl acetate	43	3.569	3.569	0.000	97	355655	40.0	37.6	
28 Methylene Chloride	84	3.711	3.711	0.000	87	294609	20.0	19.6	
31 Methyl tert-butyl ether	73	3.936	3.936	0.000	94	604567	20.0	17.2	
32 trans-1,2-Dichloroethene	96	3.960	3.948	0.012	99	287927	20.0	18.9	
34 1,1-Dichloroethane	63	4.351	4.351	0.000	96	1589580	20.0	59.5	
40 2-Butanone (MEK)	72	4.826	4.826	0.000	98	62914	40.0	46.8	
39 cis-1,2-Dichloroethene	96	4.850	4.849	0.001	79	323307	20.0	19.2	
47 Chloroform	83	5.134	5.134	0.000	93	500233	20.0	19.2	
48 1,1,1-Trichloroethane	97	5.288	5.288	0.000	98	430053	20.0	19.1	
49 Cyclohexane	56	5.348	5.336	0.012	86	428576	20.0	17.3	
51 Carbon tetrachloride	117	5.419	5.419	0.000	91	340802	20.0	18.5	
54 Benzene	78	5.585	5.585	0.000	96	1101236	20.0	19.1	
53 1,2-Dichloroethane	62	5.632	5.632	0.000	98	376156	20.0	19.6	
58 Trichloroethene	130	6.154	6.154	0.000	97	284039	20.0	19.0	
60 Methylcyclohexane	83	6.356	6.355	0.001	89	452660	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
61 1,2-Dichloropropane	63	6.379	6.379	0.000	95	249727	20.0	18.4	
65 Dichlorobromomethane	83	6.605	6.604	0.001	99	336326	20.0	17.4	
68 cis-1,3-Dichloropropene	75	6.984	6.984	0.000	96	364745	20.0	16.3	
69 4-Methyl-2-pentanone (MIBK)	43	7.103	7.103	0.000	95	382311	40.0	37.3	
70 Toluene	91	7.281	7.280	0.001	99	1161298	20.0	17.7	
71 trans-1,3-Dichloropropene	75	7.482	7.482	0.000	93	330567	20.0	16.0	
73 1,1,2-Trichloroethane	97	7.672	7.672	0.000	90	221888	20.0	19.8	
75 Tetrachloroethene	164	7.755	7.755	0.000	98	226379	20.0	18.5	
76 2-Hexanone	43	7.850	7.850	0.000	92	288927	40.0	38.1	
78 Chlorodibromomethane	129	8.016	8.016	0.000	90	223318	20.0	17.2	
80 Ethylene Dibromide	107	8.134	8.134	0.000	99	225812	20.0	20.2	
82 Chlorobenzene	112	8.585	8.597	-0.012	96	771709	20.0	18.4	
84 Ethylbenzene	106	8.680	8.680	0.000	98	412674	20.0	17.4	
85 m-Xylene & p-Xylene	106	8.798	8.798	0.000	97	531151	20.0	17.7	
86 o-Xylene	106	9.166	9.166	0.000	96	509430	20.0	18.0	
87 Styrene	104	9.178	9.178	0.000	95	847529	20.0	19.6	
88 Bromoform	173	9.368	9.368	0.000	96	136192	20.0	17.2	
89 Isopropylbenzene	105	9.510	9.522	-0.012	96	1299929	20.0	17.5	
92 1,1,2,2-Tetrachloroethane	83	9.818	9.818	0.000	95	295953	20.0	20.0	
106 1,3-Dichlorobenzene	146	10.755	10.755	0.000	97	623215	20.0	17.5	
108 1,4-Dichlorobenzene	146	10.862	10.862	0.000	96	641918	20.0	18.0	
112 1,2-Dichlorobenzene	146	11.218	11.217	0.001	98	587597	20.0	17.9	
113 1,2-Dibromo-3-Chloropropane	157	12.000	12.000	0.000	85	59133	20.0	16.9	
115 1,2,4-Trichlorobenzene	180	12.830	12.830	0.000	94	310859	20.0	16.3	
S 133 Xylenes, Total	106				0		40.0	35.7	

QC Flag Legend

Processing Flags

Reagents:

vmfasaw_00390	Amount Added:	16.00	Units: uL	
vmfaspw_00414	Amount Added:	16.00	Units: uL	
vmfasgw_00425	Amount Added:	16.00	Units: uL	
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

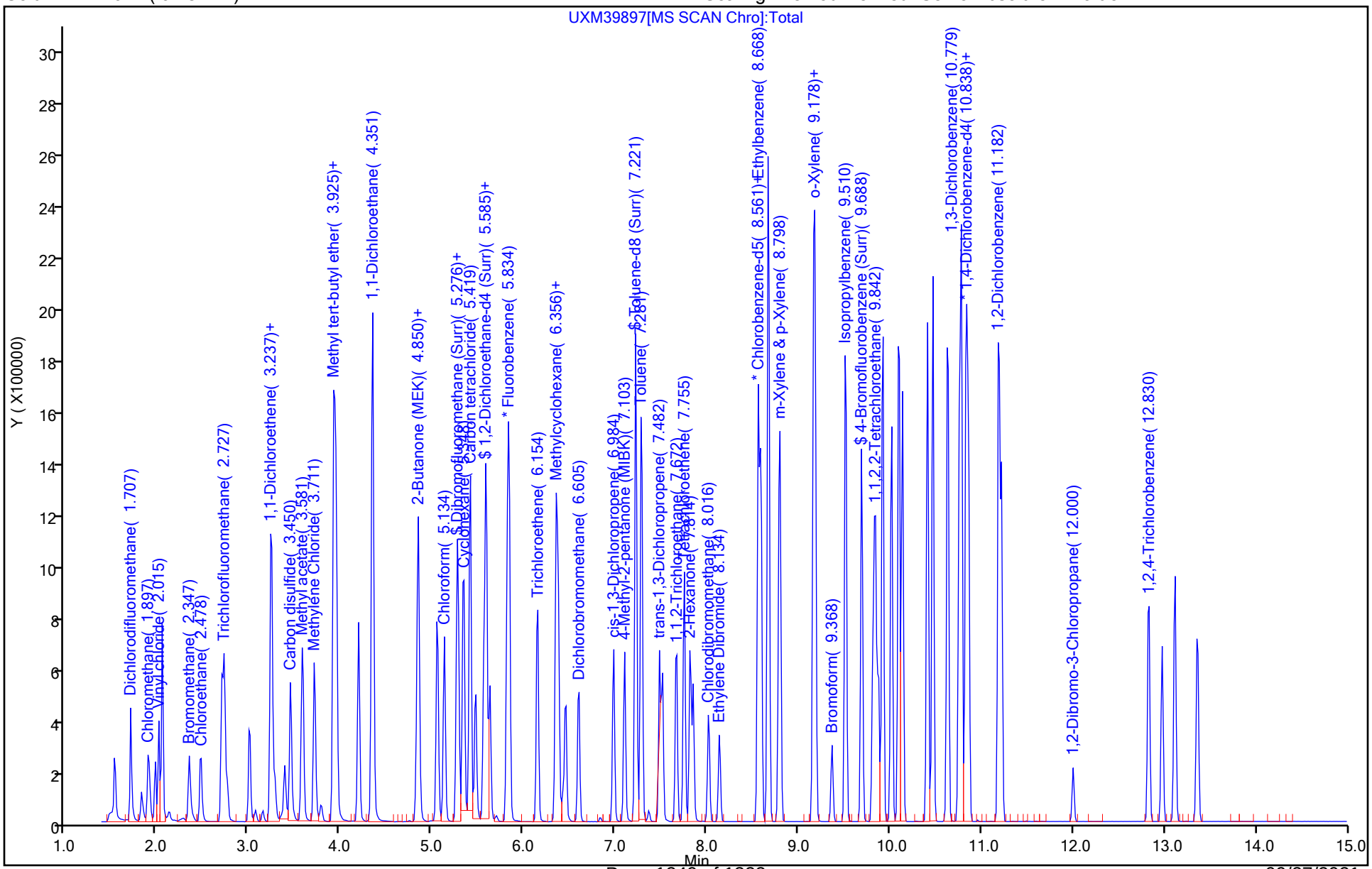
Report Date: 20-Sep-2021 08:02:30 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\UXM39897.D

Injection Date:	18-Sep-2021 20:57:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156069-B-1 MS			Worklist Smp#:	29
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	50.0000	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\20210918-113269.b\UXM39897.D
Lims ID: 240-156069-B-1 MS
Client ID:
Sample Type: MS
Inject. Date: 18-Sep-2021 20:57:30 ALS Bottle#: 29 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 50.0000
Sample Info: 240-0113269-029
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 07:59:14 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: CTX1626

First Level Reviewer: bosworthh Date: 20-Sep-2021 08:02:30

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	22.2	97.89
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	21.9	96.66
$ 6 Toluene-d8 (Surr)	22.7	21.4	94.38
$ 7 4-Bromofluorobenzene (Surr)	22.7	23.4	103.15

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 240-156016-E-8 MS

Matrix: Water Lab File ID: U1924255.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 20:42

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504290 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	38.6		2.0	0.84
56-23-5	Carbon tetrachloride	35.7		2.0	0.52
108-90-7	Chlorobenzene	219		2.0	0.76
67-66-3	Chloroform	36.4		2.0	0.94
74-87-3	Chloromethane	32.6		2.0	1.3
156-59-2	cis-1,2-Dichloroethene	36.0		2.0	0.92
95-50-1	1,2-Dichlorobenzene	47.1		2.0	0.96
106-46-7	1,4-Dichlorobenzene	50.8		2.0	0.82
75-34-3	1,1-Dichloroethane	34.8		2.0	0.94
75-35-4	1,1-Dichloroethene	35.7		2.0	0.98
75-09-2	Methylene Chloride	34.4		10	5.2
79-34-5	1,1,2,2-Tetrachloroethane	38.9		2.0	1.2
127-18-4	Tetrachloroethene	38.7		2.0	0.88
108-88-3	Toluene	37.4		2.0	0.88
156-60-5	trans-1,2-Dichloroethene	34.1		2.0	1.0
71-55-6	1,1,1-Trichloroethane	34.4		2.0	0.96
79-01-6	Trichloroethene	35.3		2.0	0.88
75-01-4	Vinyl chloride	35.8		2.0	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		56-136
1868-53-7	Dibromofluoromethane (Surr)	95		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		62-137
2037-26-5	Toluene-d8 (Surr)	99		78-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\U1924255.d
Lims ID: 240-156016-E-8 MS
Client ID: GW2021-MW-25B
Sample Type: MS
Inject. Date: 18-Sep-2021 20:42:22 ALS Bottle#: 0 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 2.0000
Sample Info: 240-0113275-027
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 13:47:03 Calib Date: 27-Aug-2021 19:48:52
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923846.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: laveyt Date: 20-Sep-2021 13:53:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	771982	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.464	8.452	0.012	84	570894	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	93	329227	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.416	5.404	0.012	93	207800	10.0	19.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	98	226289	10.0	17.4	
$ 6 Toluene-d8 (Surr)	98	7.207	7.207	0.000	93	683584	10.0	19.8	
$ 7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	96	263366	10.0	20.7	
10 Chloromethane	50	2.297	2.297	0.000	99	257074	10.0	16.3	
12 Vinyl chloride	62	2.428	2.428	0.000	98	265400	10.0	17.9	
20 1,1-Dichloroethene	61	3.590	3.590	0.000	98	259982	10.0	17.8	
29 Methylene Chloride	49	4.005	4.005	0.000	90	225253	10.0	17.2	
32 trans-1,2-Dichloroethene	61	4.230	4.230	0.000	96	254977	10.0	17.0	
35 1,1-Dichloroethane	63	4.586	4.586	0.000	96	318858	10.0	17.4	
41 cis-1,2-Dichloroethene	96	5.037	5.037	0.000	81	217439	10.0	18.0	
48 Chloroform	83	5.286	5.286	0.000	93	351528	10.0	18.2	
49 1,1,1-Trichloroethane	97	5.440	5.440	0.000	98	298525	10.0	17.2	
52 Carbon tetrachloride	117	5.570	5.570	0.000	96	282778	10.0	17.8	
54 Benzene	78	5.724	5.724	0.000	95	777388	10.0	19.3	
59 Trichloroethene	130	6.222	6.222	0.000	97	222693	10.0	17.7	
71 Toluene	91	7.266	7.266	0.000	98	751905	10.0	18.7	
74 1,1,2-Trichloroethane	97	7.598	7.598	0.000	92	174811	10.0	20.5	
75 Tetrachloroethene	166	7.705	7.705	0.000	97	232406	10.0	19.4	
80 Tetrahydrothiophene	60	7.954	7.954	0.000	92	336096	10.5	45.7	
83 Chlorobenzene	112	8.487	8.487	0.000	96	2906925	10.0	109.5	E
92 1,4-Dichlorobutane	55	9.436	9.436	0.000	97	298785	10.0	21.5	
93 1,1,2,2-Tetrachloroethane	83	9.602	9.602	0.000	96	273059	10.0	19.4	
109 1,4-Dichlorobenzene	146	10.610	10.610	0.000	96	603963	10.0	25.4	
113 1,2-Dichlorobenzene	146	10.954	10.954	0.000	98	521850	10.0	23.6	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

vmfasgw_00425	Amount Added:	16.00	Units: uL	
vmfasaw_00390	Amount Added:	16.00	Units: uL	
vmfaspw_00414	Amount Added:	16.00	Units: uL	
vmTHT std_00024	Amount Added:	16.00	Units: uL	
vmDCB_00025	Amount Added:	16.00	Units: uL	
vm50ss_stk_00088	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent

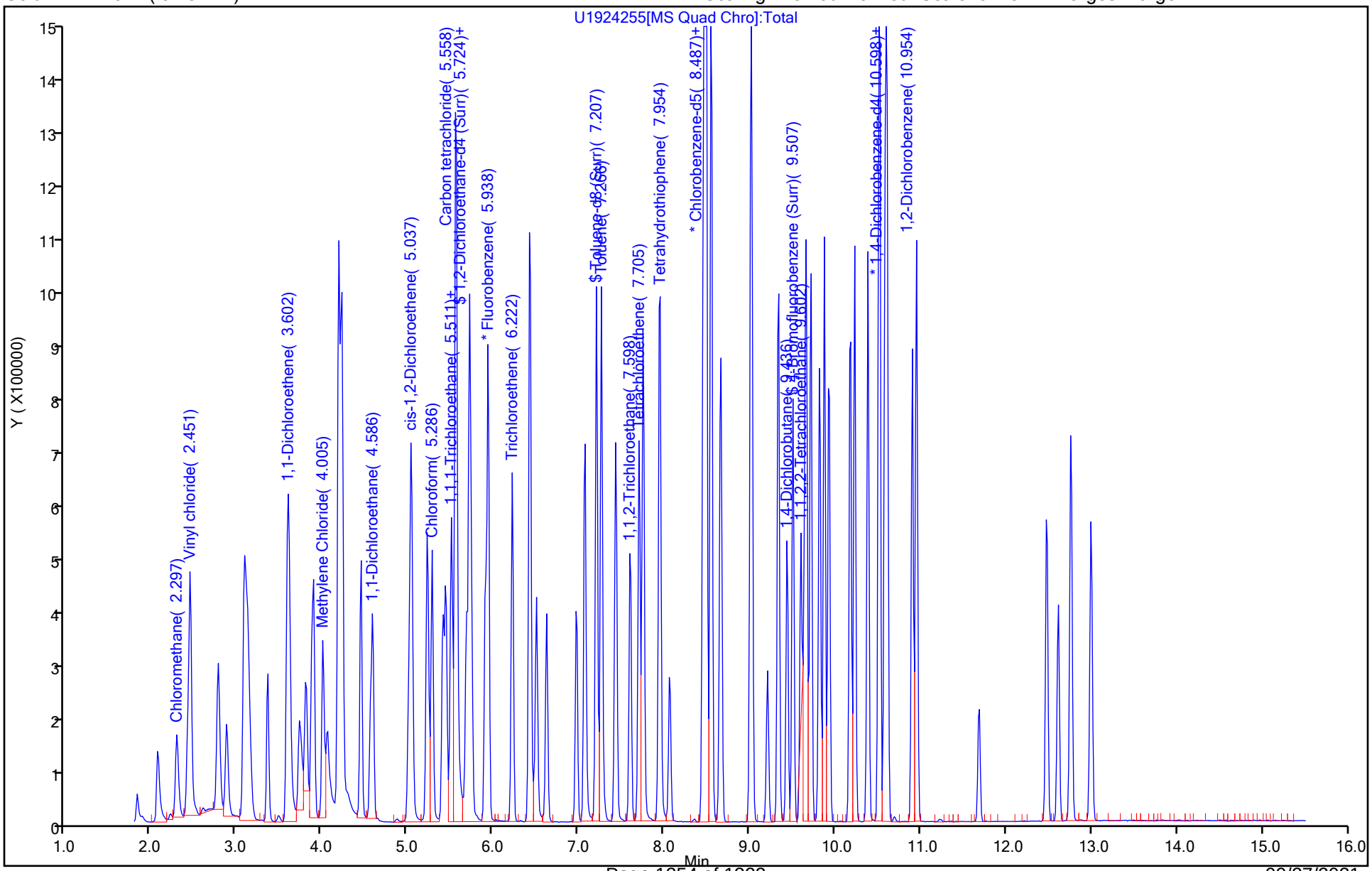
Report Date: 20-Sep-2021 13:53:44 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\U1924255.d

Injection Date:	18-Sep-2021 20:42:22	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	240-156016-E-8 MS			Worklist Smp#:	27
Client ID:	GW2021-MW-25B				
Purge Vol:	5.000 mL	Dil. Factor:	2.0000	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\20210918-113275.b\U1924255.d				
Lims ID:	240-156016-E-8 MS				
Client ID:	GW2021-MW-25B				
Sample Type:	MS				
Inject. Date:	18-Sep-2021 20:42:22	ALS Bottle#:	0	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Sample Info:	240-0113275-027				
Operator ID:	001904	Instrument ID:	A3UX19		
Method:	\\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\8260_19.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	20-Sep-2021 13:47:03	Calib Date:	27-Aug-2021 19:48:52		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923846.d				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1631				

First Level Reviewer: laveyt Date: 20-Sep-2021 13:53:43

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.0	189.94
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	17.4	174.36
$ 6 Toluene-d8 (Surr)	20.0	19.8	198.06
$ 7 4-Bromofluorobenzene (Surr)	20.0	20.7	206.98

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 240-156136-B-3 MS

Matrix: Water Lab File ID: UXM39924.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/20/2021 19:51

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.: 504389 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	101		5.0	2.1
108-90-7	Chlorobenzene	295		5.0	1.9
156-59-2	cis-1,2-Dichloroethene	103		5.0	2.3
95-50-1	1,2-Dichlorobenzene	92.5		5.0	2.4
100-41-4	Ethylbenzene	95.1		5.0	2.1
179601-23-1	m-Xylene & p-Xylene	96.3		10	2.1
95-47-6	o-Xylene	98.1		5.0	2.1
127-18-4	Tetrachloroethene	101		5.0	2.2
108-88-3	Toluene	95.1		5.0	2.2
156-60-5	trans-1,2-Dichloroethene	103		5.0	2.6
79-01-6	Trichloroethene	102		5.0	2.2
75-01-4	Vinyl chloride	83.6		5.0	2.3
1330-20-7	Xylenes, Total	194		10	2.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		56-136
1868-53-7	Dibromofluoromethane (Surr)	101		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		62-137
2037-26-5	Toluene-d8 (Surr)	95		78-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\UXM39924.D
Lims ID: 240-156136-B-3 MS
Client ID: MW-128B-IM-163
Sample Type: MS
Inject. Date: 20-Sep-2021 19:51:30 ALS Bottle#: 26 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Sample Info: 240-0113298-026
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Sep-2021 08:35:33 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: CTX1681

First Level Reviewer: bosworthh Date: 21-Sep-2021 08:40:22

	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	5.846	0.000	99	1173701	20.0	20.0	
*	2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	952136	20.0	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	560689	20.0	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.276	5.276	0.000	94	325142	22.7	22.8	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	367187	22.7	21.8	
$	6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1249403	22.7	21.5	
$	7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	88	522577	22.7	23.4	
	11 Vinyl chloride	62	2.015	2.015	0.000	98	361181	20.0	16.7	
	32 trans-1,2-Dichloroethene	96	3.960	3.960	0.000	98	322673	20.0	20.6	
	39 cis-1,2-Dichloroethene	96	4.849	4.849	0.000	79	358262	20.0	20.6	
	54 Benzene	78	5.597	5.597	0.000	96	1203332	20.0	20.3	
	58 Trichloroethene	130	6.154	6.154	0.000	97	312957	20.0	20.3	
	70 Toluene	91	7.280	7.280	0.000	98	1296969	20.0	19.0	
	75 Tetrachloroethene	164	7.755	7.755	0.000	98	255705	20.0	20.2	
	82 Chlorobenzene	112	8.597	8.597	0.000	97	2570043	20.0	59.1	
	84 Ethylbenzene	106	8.680	8.680	0.000	98	468634	20.0	19.0	
	85 m-Xylene & p-Xylene	106	8.798	8.798	0.000	97	600253	20.0	19.3	
	86 o-Xylene	106	9.166	9.166	0.000	96	576171	20.0	19.6	
	112 1,2-Dichlorobenzene	146	11.218	11.217	0.001	98	637217	20.0	18.5	
S	133 Xylenes, Total	106				0		40.0	38.9	

QC Flag Legend

Processing Flags

Reagents:

vmfasaw_00391	Amount Added:	16.00	Units: uL	
vmfaspw_00415	Amount Added:	16.00	Units: uL	
vmfasgw_00425	Amount Added:	16.00	Units: uL	
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

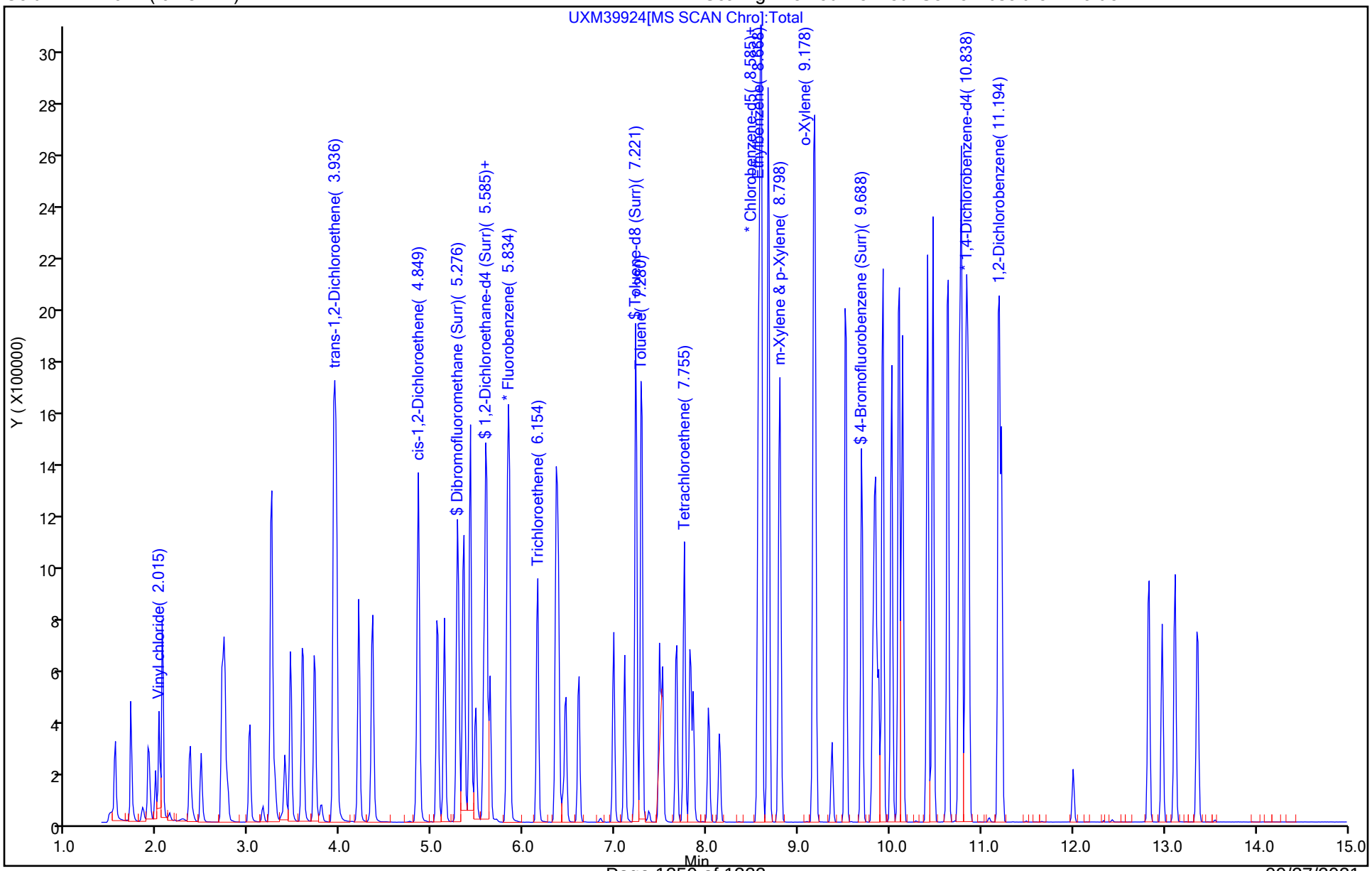
Report Date: 21-Sep-2021 08:40:22 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\UXM39924.D

Injection Date:	20-Sep-2021 19:51:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156136-B-3 MS			Worklist Smp#:	26
Client ID:	MW-128B-IM-163				
Purge Vol:	5.000 mL	Dil. Factor:	5.0000	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



Eurofins TestAmerica, Canton
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\UXM39924.D
Lims ID: 240-156136-B-3 MS
Client ID: MW-128B-IM-163
Sample Type: MS
Inject. Date: 20-Sep-2021 19:51:30 ALS Bottle#: 26 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Sample Info: 240-0113298-026
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Sep-2021 08:35:33 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: CTX1681

First Level Reviewer: bosworthh Date: 21-Sep-2021 08:40:22

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	22.8	100.64
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	21.8	96.27
$ 6 Toluene-d8 (Surr)	22.7	21.5	94.90
$ 7 4-Bromofluorobenzene (Surr)	22.7	23.4	103.22

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 240-156590-B-3 MS

Matrix: Water Lab File ID: UXM40058.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 21:52

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.: 505049 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	892		200	110
71-43-2	Benzene	415		20	8.4
75-27-4	Bromodichloromethane	374		20	3.4
75-25-2	Bromoform	340		20	15
74-83-9	Bromomethane	289		20	8.4
78-93-3	2-Butanone	829		200	23
75-15-0	Carbon disulfide	377		20	12
56-23-5	Carbon tetrachloride	400		20	5.2
108-90-7	Chlorobenzene	401		20	7.6
75-00-3	Chloroethane	342		20	17
67-66-3	Chloroform	411		20	9.4
74-87-3	Chloromethane	294		20	13
156-59-2	cis-1,2-Dichloroethene	394		20	9.2
10061-01-5	cis-1,3-Dichloropropene	359		20	12
124-48-1	Dibromochloromethane	373		20	7.8
96-12-8	1,2-Dibromo-3-Chloropropane	293		40	18
106-93-4	1,2-Dibromoethane	424		20	8.2
95-50-1	1,2-Dichlorobenzene	381		20	9.6
541-73-1	1,3-Dichlorobenzene	385		20	9.0
106-46-7	1,4-Dichlorobenzene	391		20	8.2
75-71-8	Dichlorodifluoromethane	287		20	7.0
75-34-3	1,1-Dichloroethane	356		20	9.4
107-06-2	1,2-Dichloroethane	412		20	4.2
75-35-4	1,1-Dichloroethene	410		20	9.8
78-87-5	1,2-Dichloropropane	408		20	9.4
100-41-4	Ethylbenzene	385		20	8.4
591-78-6	2-Hexanone	725		200	22
98-82-8	Isopropylbenzene	385		20	9.8
75-09-2	Methylene Chloride	406		100	52
108-10-1	4-Methyl-2-pentanone	724		200	20
1634-04-4	Methyl tert-butyl ether	364		20	9.4
179601-23-1	m-Xylene & p-Xylene	389		40	8.4
95-47-6	o-Xylene	391		20	8.4
100-42-5	Styrene	419		20	9.0
79-34-5	1,1,2,2-Tetrachloroethane	396		20	12
127-18-4	Tetrachloroethene	410		20	8.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 240-156590-B-3 MS

Matrix: Water Lab File ID: UXM40058.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 21:52

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.: 505049 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	396		20	10
10061-02-6	trans-1,3-Dichloropropene	346		20	13
120-82-1	1,2,4-Trichlorobenzene	332		20	15
71-55-6	1,1,1-Trichloroethane	406		20	9.6
79-01-6	Trichloroethene	430		20	8.8
75-69-4	Trichlorofluoromethane	388		20	9.0
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	432		20	8.2
75-01-4	Vinyl chloride	314		20	9.0
1330-20-7	Xylenes, Total	780		40	8.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	102		56-136
1868-53-7	Dibromofluoromethane (Surr)	95		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		62-137
2037-26-5	Toluene-d8 (Surr)	94		78-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40058.D
Lims ID: 240-156590-B-3 MS
Client ID:
Sample Type: MS
Inject. Date: 23-Sep-2021 21:52:30 ALS Bottle#: 29 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Sample Info: 240-0113440-029
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Sep-2021 08:03:22 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: CTX1663

First Level Reviewer: bosworthh Date: 24-Sep-2021 08:03:22

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	1341621	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	84	1080128	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	606908	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.265	5.264	0.001	94	349035	22.7	21.4	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	410631	22.7	21.4	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1406233	22.7	21.4	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	87	584343	22.7	23.1	
9 Dichlorodifluoromethane	85	1.707	1.707	0.000	99	346158	20.0	14.3	
10 Chloromethane	50	1.897	1.897	0.000	99	365532	20.0	14.7	
11 Vinyl chloride	62	2.015	2.015	0.000	98	388006	20.0	15.7	
13 Bromomethane	94	2.347	2.347	0.000	89	202407	20.0	14.4	
14 Chloroethane	64	2.478	2.478	0.000	99	236920	20.0	17.1	
16 Trichlorofluoromethane	101	2.727	2.727	0.000	98	520835	20.0	19.4	
19 1,1-Dichloroethene	96	3.237	3.237	0.000	98	305764	20.0	20.5	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.249	3.248	0.001	90	250662	20.0	21.6	
21 Acetone	58	3.284	3.284	0.000	100	56080	40.0	44.6	
24 Carbon disulfide	76	3.450	3.450	0.000	99	920381	20.0	18.9	
27 Methyl acetate	43	3.569	3.569	0.000	96	311689	40.0	28.0	
28 Methylene Chloride	84	3.711	3.711	0.000	88	358874	20.0	20.3	
31 Methyl tert-butyl ether	73	3.936	3.936	0.000	94	752596	20.0	18.2	
32 trans-1,2-Dichloroethene	96	3.948	3.948	0.000	98	353621	20.0	19.8	
34 1,1-Dichloroethane	63	4.351	4.351	0.000	96	559232	20.0	17.8	
40 2-Butanone (MEK)	72	4.826	4.826	0.000	99	65497	40.0	41.5	
39 cis-1,2-Dichloroethene	96	4.850	4.849	0.001	79	390425	20.0	19.7	
47 Chloroform	83	5.134	5.134	0.000	93	630388	20.0	20.6	
48 1,1,1-Trichloroethane	97	5.288	5.288	0.000	98	537175	20.0	20.3	
49 Cyclohexane	56	5.336	5.336	0.000	87	531254	20.0	18.2	
51 Carbon tetrachloride	117	5.419	5.419	0.000	89	434410	20.0	20.0	
54 Benzene	78	5.585	5.585	0.000	96	1405072	20.0	20.7	
53 1,2-Dichloroethane	62	5.632	5.632	0.000	98	464766	20.0	20.6	
58 Trichloroethene	130	6.154	6.154	0.000	96	378673	20.0	21.5	
60 Methylcyclohexane	83	6.356	6.355	0.001	89	590393	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
61 1,2-Dichloropropane	63	6.379	6.379	0.000	94	325788	20.0	20.4	
65 Dichlorobromomethane	83	6.605	6.604	0.001	100	426315	20.0	18.7	
68 cis-1,3-Dichloropropene	75	6.984	6.984	0.000	96	472541	20.0	18.0	
69 4-Methyl-2-pentanone (MIBK)	43	7.103	7.102	0.001	94	436538	40.0	36.2	
70 Toluene	91	7.281	7.280	0.000	98	1518702	20.0	19.6	
71 trans-1,3-Dichloropropene	75	7.482	7.482	0.000	92	420239	20.0	17.3	
73 1,1,2-Trichloroethane	97	7.672	7.672	0.000	90	279580	20.0	21.2	
75 Tetrachloroethene	164	7.755	7.755	0.000	98	294397	20.0	20.5	
76 2-Hexanone	43	7.850	7.850	0.000	94	323246	40.0	36.2	
78 Chlorodibromomethane	129	8.016	8.016	0.000	90	284267	20.0	18.7	
80 Ethylene Dibromide	107	8.134	8.134	0.000	100	278514	20.0	21.2	
82 Chlorobenzene	112	8.597	8.597	0.000	97	989994	20.0	20.1	
84 Ethylbenzene	106	8.680	8.680	0.000	98	537809	20.0	19.2	
85 m-Xylene & p-Xylene	106	8.798	8.798	0.000	97	686946	20.0	19.4	
86 o-Xylene	106	9.166	9.166	0.000	96	651970	20.0	19.6	
87 Styrene	104	9.178	9.190	-0.012	95	1066979	20.0	20.9	
88 Bromoform	173	9.368	9.367	0.001	96	158324	20.0	17.0	
89 Isopropylbenzene	105	9.510	9.522	-0.012	95	1681881	20.0	19.2	
92 1,1,2,2-Tetrachloroethane	83	9.818	9.818	0.000	95	332255	20.0	19.8	
106 1,3-Dichlorobenzene	146	10.755	10.755	0.000	98	774147	20.0	19.2	
108 1,4-Dichlorobenzene	146	10.862	10.862	0.000	96	790099	20.0	19.6	
112 1,2-Dichlorobenzene	146	11.218	11.217	0.001	98	710301	20.0	19.1	
113 1,2-Dibromo-3-Chloropropane	157	12.000	12.000	0.000	85	57987	20.0	14.7	
115 1,2,4-Trichlorobenzene	180	12.830	12.830	0.000	94	359892	20.0	16.6	
S 133 Xylenes, Total	106				0		40.0	39.0	

QC Flag Legend

Processing Flags

Reagents:

vmfasgw_00426	Amount Added:	16.00	Units: uL	
vmfaspw_00415	Amount Added:	16.00	Units: uL	
vmfasaw_00391	Amount Added:	16.00	Units: uL	
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

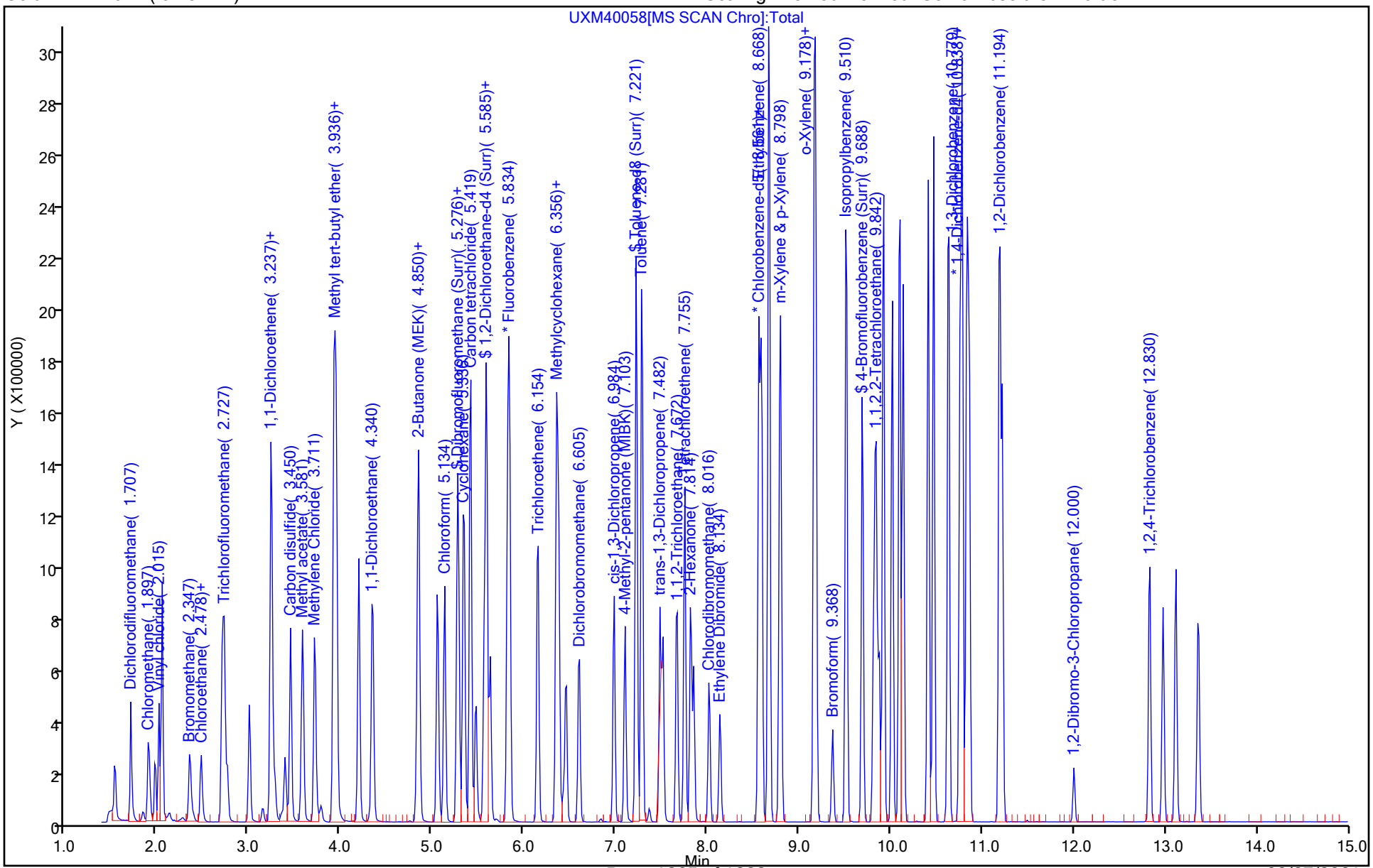
Report Date: 24-Sep-2021 08:03:22 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40058.D

Injection Date:	23-Sep-2021 21:52:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156590-B-3 MS			Worklist Smp#:	29
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	20.0000	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\20210923-113440.b\UXM40058.D
Lims ID: 240-156590-B-3 MS
Client ID:
Sample Type: MS
Inject. Date: 23-Sep-2021 21:52:30 ALS Bottle#: 29 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Sample Info: 240-0113440-029
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Sep-2021 08:03:22 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: CTX1663

First Level Reviewer: bosworthh Date: 24-Sep-2021 08:03:22

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	21.4	94.51
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	21.4	94.18
$ 6 Toluene-d8 (Surr)	22.7	21.4	94.16
$ 7 4-Bromofluorobenzene (Surr)	22.7	23.1	101.75

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 240-156069-B-1 MSD

Matrix: Water Lab File ID: UXM39898.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 21:22

Soil Aliquot Vol: Dilution Factor: 50

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	2330		500	270
71-43-2	Benzene	971		50	21
75-27-4	Bromodichloromethane	873		50	8.5
75-25-2	Bromoform	876		50	38
74-83-9	Bromomethane	733		50	21
78-93-3	2-Butanone	2270		500	58
75-15-0	Carbon disulfide	846		50	30
56-23-5	Carbon tetrachloride	875		50	13
108-90-7	Chlorobenzene	941		50	19
75-00-3	Chloroethane	972		50	42
67-66-3	Chloroform	926		50	24
74-87-3	Chloromethane	713		50	32
156-59-2	cis-1,2-Dichloroethene	920		50	23
10061-01-5	cis-1,3-Dichloropropene	874		50	31
124-48-1	Dibromochloromethane	940		50	20
96-12-8	1,2-Dibromo-3-Chloropropane	861		100	46
106-93-4	1,2-Dibromoethane	1080		50	21
95-50-1	1,2-Dichlorobenzene	914		50	24
541-73-1	1,3-Dichlorobenzene	901		50	23
106-46-7	1,4-Dichlorobenzene	906		50	21
75-71-8	Dichlorodifluoromethane	747		50	18
75-34-3	1,1-Dichloroethane	2710		50	24
107-06-2	1,2-Dichloroethane	974		50	11
75-35-4	1,1-Dichloroethene	962		50	25
78-87-5	1,2-Dichloropropane	963		50	24
100-41-4	Ethylbenzene	895		50	21
591-78-6	2-Hexanone	2050		500	56
98-82-8	Isopropylbenzene	887		50	25
75-09-2	Methylene Chloride	956		250	130
108-10-1	4-Methyl-2-pentanone	2030		500	50
1634-04-4	Methyl tert-butyl ether	880		50	24
179601-23-1	m-Xylene & p-Xylene	884		100	21
95-47-6	o-Xylene	909		50	21
100-42-5	Styrene	987		50	23
79-34-5	1,1,2,2-Tetrachloroethane	1070		50	30
127-18-4	Tetrachloroethene	940		50	22

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 240-156069-B-1 MSD

Matrix: Water Lab File ID: UXM39898.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 21:22

Soil Aliquot Vol: Dilution Factor: 50

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504263 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	917		50	22
156-60-5	trans-1,2-Dichloroethene	915		50	26
10061-02-6	trans-1,3-Dichloropropene	872		50	34
120-82-1	1,2,4-Trichlorobenzene	818		50	39
71-55-6	1,1,1-Trichloroethane	926		50	24
79-01-6	Trichloroethene	985		50	22
75-69-4	Trichlorofluoromethane	914		50	23
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	964		50	21
75-01-4	Vinyl chloride	767		50	23
1330-20-7	Xylenes, Total	1790		100	21

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	101		56-136
1868-53-7	Dibromofluoromethane (Surr)	90		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		62-137
2037-26-5	Toluene-d8 (Surr)	95		78-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\UXM39898.D
Lims ID: 240-156069-B-1 MSD
Client ID:
Sample Type: MSD
Inject. Date: 18-Sep-2021 21:22:30 ALS Bottle#: 30 Worklist Smp#: 30
Purge Vol: 5.000 mL Dil. Factor: 50.0000
Sample Info: 240-0113269-030
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 07:59:14 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: CTX1626

First Level Reviewer: bosworthh Date: 20-Sep-2021 08:03:05

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.834	5.846	-0.012	99	1246045	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	84	979066	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	543554	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.264	5.264	0.000	93	307277	22.7	20.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	369349	22.7	20.7	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	92	1292355	22.7	21.7	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	87	526250	22.7	22.9	
9 Dichlorodifluoromethane	85	1.707	1.707	0.000	99	334585	20.0	14.9	
10 Chloromethane	50	1.908	1.897	0.011	99	329654	20.0	14.3	
11 Vinyl chloride	62	2.015	2.015	0.000	98	352154	20.0	15.3	
13 Bromomethane	94	2.347	2.347	0.000	90	190840	20.0	14.7	
14 Chloroethane	64	2.478	2.478	0.000	99	250266	20.0	19.4	
16 Trichlorofluoromethane	101	2.727	2.727	0.000	97	455542	20.0	18.3	
19 1,1-Dichloroethene	96	3.237	3.237	0.000	98	266344	20.0	19.2	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.248	3.249	-0.001	90	207877	20.0	19.3	
21 Acetone	58	3.284	3.284	0.000	100	54372	40.0	46.7	
24 Carbon disulfide	76	3.450	3.450	0.000	99	767597	20.0	16.9	
27 Methyl acetate	43	3.569	3.569	0.000	97	326846	40.0	31.7	
28 Methylene Chloride	84	3.711	3.711	0.000	88	313700	20.0	19.1	
31 Methyl tert-butyl ether	73	3.936	3.936	0.000	94	675645	20.0	17.6	
32 trans-1,2-Dichloroethene	96	3.948	3.948	0.000	98	303781	20.0	18.3	
34 1,1-Dichloroethane	63	4.351	4.351	0.000	96	1584861	20.0	54.3	
40 2-Butanone (MEK)	72	4.826	4.826	0.000	99	66759	40.0	45.5	
39 cis-1,2-Dichloroethene	96	4.849	4.849	0.000	79	339199	20.0	18.4	
47 Chloroform	83	5.134	5.134	0.000	93	527746	20.0	18.5	
48 1,1,1-Trichloroethane	97	5.276	5.288	-0.012	98	454974	20.0	18.5	
49 Cyclohexane	56	5.336	5.336	0.000	86	448586	20.0	16.5	
51 Carbon tetrachloride	117	5.419	5.419	0.000	86	352728	20.0	17.5	
54 Benzene	78	5.585	5.585	0.000	96	1222223	20.0	19.4	
53 1,2-Dichloroethane	62	5.632	5.632	0.000	98	408230	20.0	19.5	
58 Trichloroethene	130	6.154	6.154	0.000	97	322328	20.0	19.7	
60 Methylcyclohexane	83	6.355	6.355	0.000	89	511305	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
61 1,2-Dichloropropane	63	6.379	6.379	0.000	94	285877	20.0	19.3	
65 Dichlorobromomethane	83	6.604	6.604	0.000	99	369544	20.0	17.5	
68 cis-1,3-Dichloropropene	75	6.984	6.984	0.000	96	427539	20.0	17.5	
69 4-Methyl-2-pentanone (MIBK)	43	7.103	7.103	-0.001	94	453567	40.0	40.5	
70 Toluene	91	7.280	7.280	0.000	98	1286612	20.0	18.3	
71 trans-1,3-Dichloropropene	75	7.482	7.482	0.000	88	383970	20.0	17.4	
73 1,1,2-Trichloroethane	97	7.672	7.672	0.000	89	260964	20.0	21.8	
75 Tetrachloroethene	164	7.755	7.755	0.000	98	244858	20.0	18.8	
76 2-Hexanone	43	7.850	7.850	0.000	93	332377	40.0	41.1	
78 Chlorodibromomethane	129	8.016	8.016	0.000	90	259773	20.0	18.8	
80 Ethylene Dibromide	107	8.134	8.134	0.000	99	258456	20.0	21.7	
82 Chlorobenzene	112	8.585	8.597	-0.012	96	841510	20.0	18.8	
84 Ethylbenzene	106	8.668	8.680	-0.012	98	453485	20.0	17.9	
85 m-Xylene & p-Xylene	106	8.798	8.798	0.000	97	566096	20.0	17.7	
86 o-Xylene	106	9.166	9.166	0.000	96	548899	20.0	18.2	
87 Styrene	104	9.178	9.178	0.000	95	911657	20.0	19.7	
88 Bromoform	173	9.367	9.368	-0.001	96	147723	20.0	17.5	
89 Isopropylbenzene	105	9.510	9.522	-0.012	96	1405631	20.0	17.7	
92 1,1,2,2-Tetrachloroethane	83	9.806	9.818	-0.012	95	320643	20.0	21.3	
106 1,3-Dichlorobenzene	146	10.755	10.755	0.000	98	649870	20.0	18.0	
108 1,4-Dichlorobenzene	146	10.862	10.862	0.000	97	655408	20.0	18.1	
112 1,2-Dichlorobenzene	146	11.217	11.217	0.000	98	610710	20.0	18.3	
113 1,2-Dibromo-3-Chloropropane	157	12.000	12.000	0.000	86	61007	20.0	17.2	
115 1,2,4-Trichlorobenzene	180	12.830	12.830	0.000	94	317176	20.0	16.4	
S 133 Xylenes, Total	106				0		40.0	35.9	

QC Flag Legend

Processing Flags

Reagents:

vmfasgw_00425	Amount Added:	16.00	Units: uL	
vmfasaw_00390	Amount Added:	16.00	Units: uL	
vmfaspw_00414	Amount Added:	16.00	Units: uL	
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

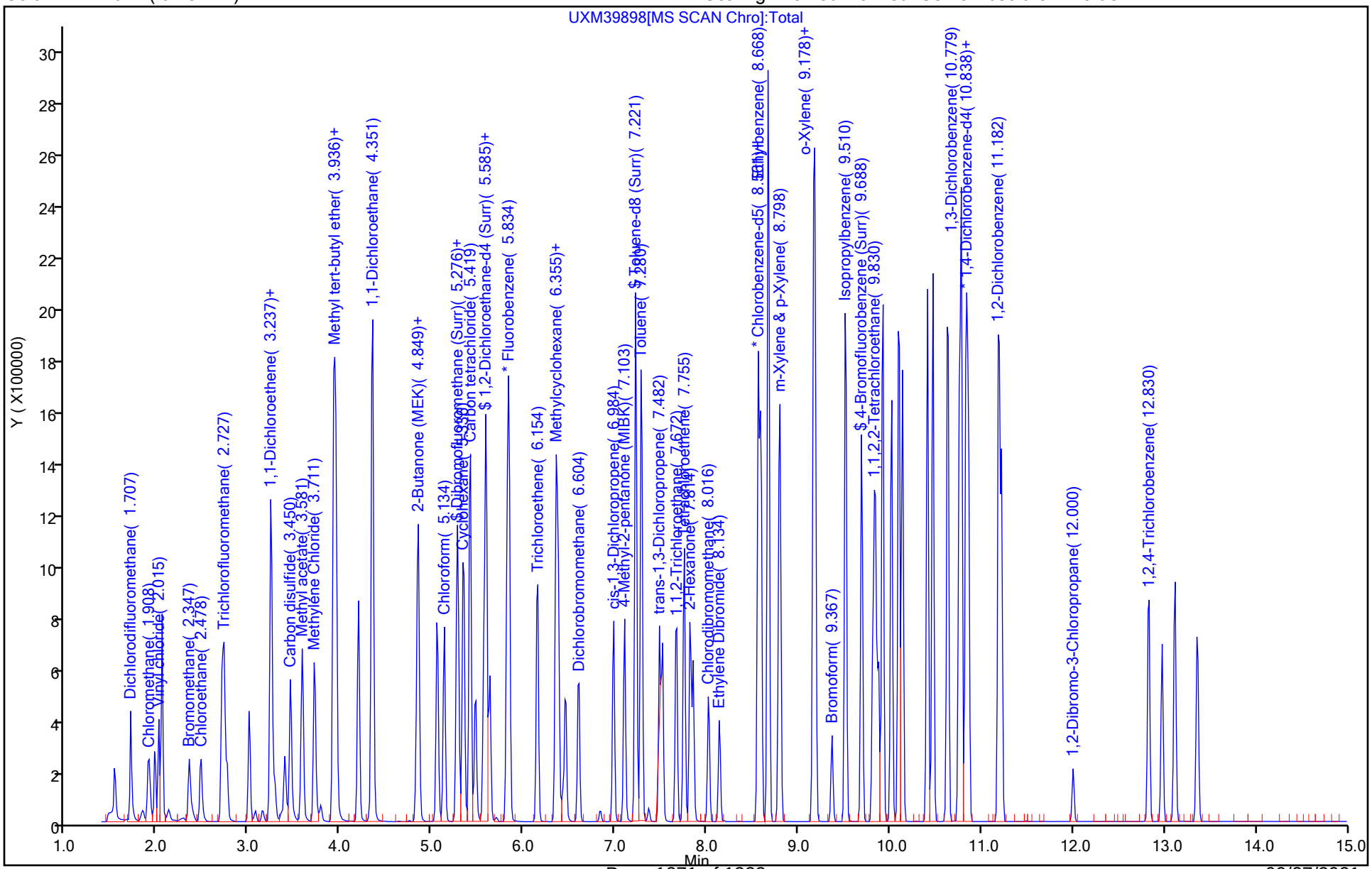
Report Date: 20-Sep-2021 08:03:05 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\UXM39898.D

Injection Date:	18-Sep-2021 21:22:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156069-B-1 MSD			Worklist Smp#:	30
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	50.0000	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\20210918-113269.b\UXM39898.D
Lims ID: 240-156069-B-1 MSD
Client ID:
Sample Type: MSD
Inject. Date: 18-Sep-2021 21:22:30 ALS Bottle#: 30 Worklist Smp#: 30
Purge Vol: 5.000 mL Dil. Factor: 50.0000
Sample Info: 240-0113269-030
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210918-113269.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 07:59:14 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: CTX1626

First Level Reviewer: bosworthh Date: 20-Sep-2021 08:03:05

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	20.3	89.59
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	20.7	91.21
$ 6 Toluene-d8 (Surr)	22.7	21.7	95.47
$ 7 4-Bromofluorobenzene (Surr)	22.7	22.9	101.09

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 240-156016-E-8 MSD

Matrix: Water Lab File ID: U1924256.d

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/18/2021 21:04

Soil Aliquot Vol: Dilution Factor: 2

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

% Moisture: Level: (low/med) Low

Analysis Batch No.: 504290 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	38.5		2.0	0.84
56-23-5	Carbon tetrachloride	35.8		2.0	0.52
108-90-7	Chlorobenzene	218		2.0	0.76
67-66-3	Chloroform	36.5		2.0	0.94
74-87-3	Chloromethane	32.1		2.0	1.3
156-59-2	cis-1,2-Dichloroethene	36.3		2.0	0.92
95-50-1	1,2-Dichlorobenzene	49.3		2.0	0.96
106-46-7	1,4-Dichlorobenzene	52.4		2.0	0.82
75-34-3	1,1-Dichloroethane	34.4		2.0	0.94
75-35-4	1,1-Dichloroethene	35.6		2.0	0.98
75-09-2	Methylene Chloride	34.2		10	5.2
79-34-5	1,1,2,2-Tetrachloroethane	40.2		2.0	1.2
127-18-4	Tetrachloroethene	38.7		2.0	0.88
108-88-3	Toluene	37.8		2.0	0.88
156-60-5	trans-1,2-Dichloroethene	34.1		2.0	1.0
71-55-6	1,1,1-Trichloroethane	35.5		2.0	0.96
79-01-6	Trichloroethene	35.1		2.0	0.88
75-01-4	Vinyl chloride	36.1		2.0	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	104		56-136
1868-53-7	Dibromofluoromethane (Surr)	97		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		62-137
2037-26-5	Toluene-d8 (Surr)	100		78-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\U1924256.d
Lims ID: 240-156016-E-8 MSD
Client ID: GW2021-MW-25B
Sample Type: MSD
Inject. Date: 18-Sep-2021 21:04:20 ALS Bottle#: 0 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 2.0000
Sample Info: 240-0113275-028
Operator ID: 001904 Instrument ID: A3UX19

Method: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\8260_19.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Sep-2021 13:47:03 Calib Date: 27-Aug-2021 19:48:52
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923846.d

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: laveyt Date: 20-Sep-2021 13:53:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.938	5.938	0.000	99	790836	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.452	8.452	0.000	84	581352	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.586	10.586	0.000	94	327855	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	111	5.404	5.404	0.000	93	216792	10.0	19.3	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.689	5.689	0.000	98	234715	10.0	17.7	
$ 6 Toluene-d8 (Surr)	98	7.207	7.207	0.000	93	706084	10.0	20.1	
$ 7 4-Bromofluorobenzene (Surr)	95	9.507	9.507	0.000	96	269233	10.0	20.8	
10 Chloromethane	50	2.297	2.297	0.000	99	259485	10.0	16.1	
12 Vinyl chloride	62	2.428	2.428	0.000	98	274070	10.0	18.1	
20 1,1-Dichloroethene	61	3.590	3.590	0.000	98	266143	10.0	17.8	
29 Methylene Chloride	49	4.005	4.005	0.000	89	229509	10.0	17.1	
32 trans-1,2-Dichloroethene	61	4.230	4.230	0.000	95	261852	10.0	17.1	
35 1,1-Dichloroethane	63	4.586	4.586	0.000	96	322637	10.0	17.2	
41 cis-1,2-Dichloroethene	96	5.037	5.037	0.000	81	224389	10.0	18.1	
48 Chloroform	83	5.286	5.286	0.000	93	360933	10.0	18.3	
49 1,1,1-Trichloroethane	97	5.440	5.440	0.000	97	316078	10.0	17.8	
52 Carbon tetrachloride	117	5.570	5.570	0.000	96	290433	10.0	17.9	
54 Benzene	78	5.724	5.724	0.000	96	793883	10.0	19.3	
59 Trichloroethene	130	6.222	6.222	0.000	96	227043	10.0	17.6	
71 Toluene	91	7.266	7.266	0.000	98	775393	10.0	18.9	
74 1,1,2-Trichloroethane	97	7.598	7.598	0.000	92	175024	10.0	20.1	
75 Tetrachloroethene	166	7.705	7.705	0.000	98	236570	10.0	19.3	
80 Tetrahydrothiophene	60	7.954	7.954	0.000	92	339051	10.5	45.3	
83 Chlorobenzene	112	8.487	8.487	0.000	96	2946259	10.0	109.0	E
92 1,4-Dichlorobutane	55	9.436	9.436	0.000	97	303029	10.0	21.4	
93 1,1,2,2-Tetrachloroethane	83	9.602	9.602	0.000	96	281485	10.0	20.1	
109 1,4-Dichlorobenzene	146	10.610	10.610	0.000	97	620375	10.0	26.2	
113 1,2-Dichlorobenzene	146	10.954	10.954	0.000	98	543914	10.0	24.6	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

vmfasgw_00425	Amount Added:	16.00	Units: uL	
vmfasaw_00390	Amount Added:	16.00	Units: uL	
vmfaspw_00414	Amount Added:	16.00	Units: uL	
vmTHT std_00024	Amount Added:	16.00	Units: uL	
vmDCB_00025	Amount Added:	16.00	Units: uL	
vm50ss_stk_00088	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00201	Amount Added:	0.00	Units:	Run Reagent
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent

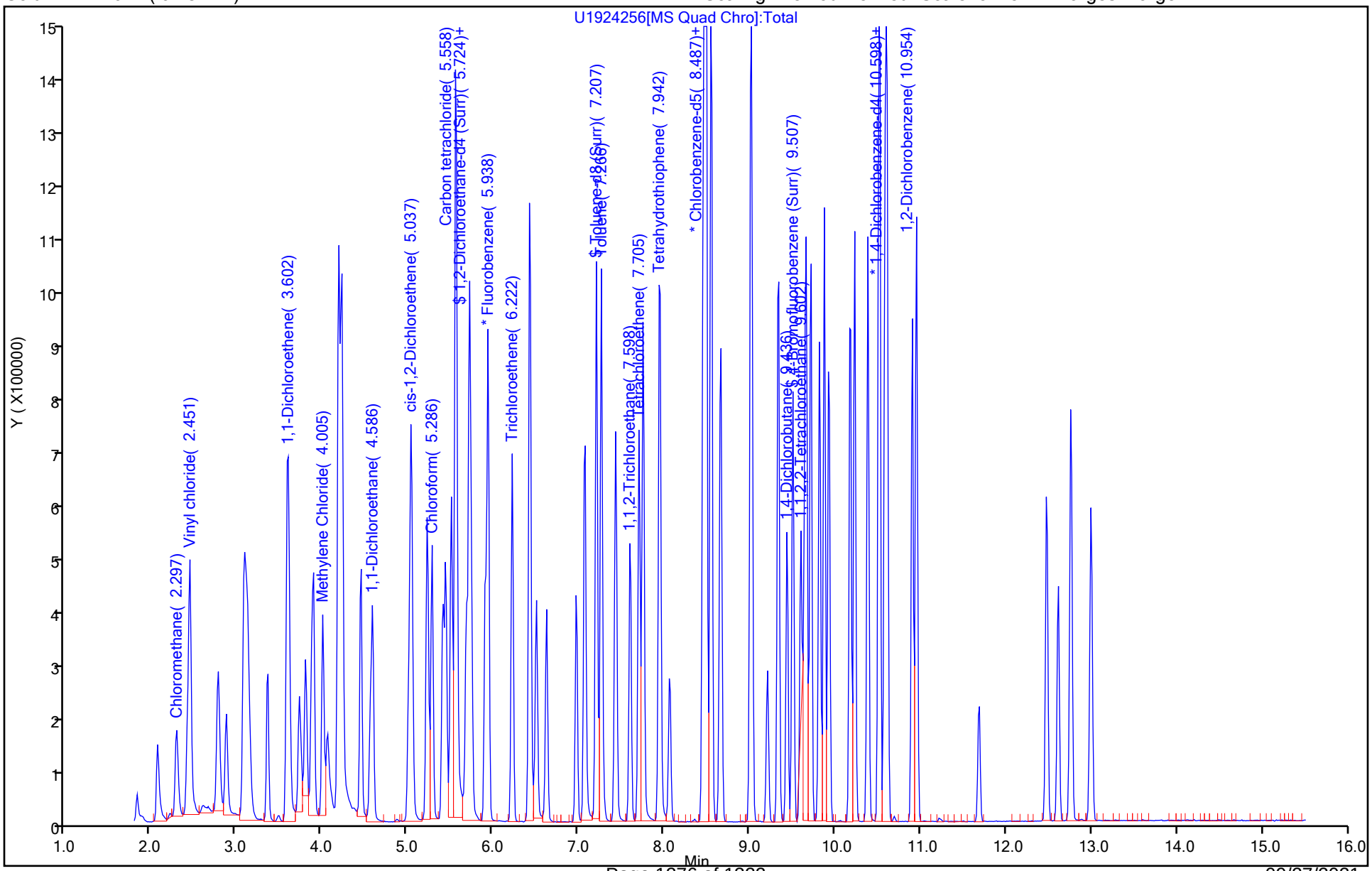
Report Date: 20-Sep-2021 13:53:49 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\U1924256.d

Injection Date:	18-Sep-2021 21:04:20	Instrument ID:	A3UX19	Operator ID:	001904
Lims ID:	240-156016-E-8 MSD			Worklist Smp#:	28
Client ID:	GW2021-MW-25B				
Purge Vol:	5.000 mL	Dil. Factor:	2.0000	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\20210918-113275.b\U1924256.d				
Lims ID:	240-156016-E-8 MSD				
Client ID:	GW2021-MW-25B				
Sample Type:	MSD				
Inject. Date:	18-Sep-2021 21:04:20	ALS Bottle#:	0	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Sample Info:	240-0113275-028				
Operator ID:	001904	Instrument ID:	A3UX19		
Method:	\\chromfs\Canton\ChromData\A3UX19\20210918-113275.b\8260_19.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	20-Sep-2021 13:47:03	Calib Date:	27-Aug-2021 19:48:52		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Canton\ChromData\A3UX19\20210827-112629.b\U1923846.d				
Column 1 :	DB-624 (0.18 mm)		Det: MS SCAN		
Process Host:	CTX1631				

First Level Reviewer: laveyt Date: 20-Sep-2021 13:53:49

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	20.0	19.3	193.44
$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	17.7	176.54
$ 6 Toluene-d8 (Surr)	20.0	20.1	200.90
$ 7 4-Bromofluorobenzene (Surr)	20.0	20.8	207.79

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 240-156136-B-3 MSD

Matrix: Water Lab File ID: UXM39925.D

Analysis Method: 8260C Date Collected:

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

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.: 504389 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	106		5.0	2.1
108-90-7	Chlorobenzene	295		5.0	1.9
156-59-2	cis-1,2-Dichloroethene	102		5.0	2.3
95-50-1	1,2-Dichlorobenzene	98.5		5.0	2.4
100-41-4	Ethylbenzene	101		5.0	2.1
179601-23-1	m-Xylene & p-Xylene	101		10	2.1
95-47-6	o-Xylene	101		5.0	2.1
127-18-4	Tetrachloroethene	106		5.0	2.2
108-88-3	Toluene	101		5.0	2.2
156-60-5	trans-1,2-Dichloroethene	102		5.0	2.6
79-01-6	Trichloroethene	109		5.0	2.2
75-01-4	Vinyl chloride	80.9		5.0	2.3
1330-20-7	Xylenes, Total	202		10	2.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	104		56-136
1868-53-7	Dibromofluoromethane (Surr)	94		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		62-137
2037-26-5	Toluene-d8 (Surr)	97		78-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\UXM39925.D
Lims ID: 240-156136-B-3 MSD
Client ID: MW-128B-IM-163
Sample Type: MSD
Inject. Date: 20-Sep-2021 20:15:30 ALS Bottle#: 27 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Sample Info: 240-0113298-027
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Sep-2021 08:35:33 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: CTX1681

First Level Reviewer: bosworthh Date: 21-Sep-2021 08:40:38

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
*	1 Fluorobenzene	96	5.846	5.846	0.000	99	1289930	20.0	20.0	
*	2 Chlorobenzene-d5	117	8.561	8.561	0.000	84	1016335	20.0	20.0	
*	3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	583088	20.0	20.0	
$	4 Dibromofluoromethane (Surr)	113	5.265	5.276	-0.012	94	333921	22.7	21.3	
$	5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	391680	22.7	21.2	
$	6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	92	1359904	22.7	21.9	
$	7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	87	560126	22.7	23.5	
	11 Vinyl chloride	62	2.015	2.015	0.000	98	384342	20.0	16.2	
	32 trans-1,2-Dichloroethene	96	3.960	3.960	0.000	99	351496	20.0	20.5	
	39 cis-1,2-Dichloroethene	96	4.849	4.849	0.000	80	388046	20.0	20.3	
	54 Benzene	78	5.585	5.597	-0.012	96	1385322	20.0	21.3	
	58 Trichloroethene	130	6.154	6.154	0.000	97	368637	20.0	21.8	
	70 Toluene	91	7.280	7.280	0.000	99	1474116	20.0	20.3	
	75 Tetrachloroethene	164	7.755	7.755	0.000	98	286940	20.0	21.2	
	82 Chlorobenzene	112	8.597	8.597	0.000	97	2743365	20.0	59.1	
	84 Ethylbenzene	106	8.680	8.680	0.000	98	533546	20.0	20.3	
	85 m-Xylene & p-Xylene	106	8.798	8.798	0.000	97	668794	20.0	20.1	
	86 o-Xylene	106	9.166	9.166	0.000	96	630622	20.0	20.1	
	112 1,2-Dichlorobenzene	146	11.217	11.217	0.000	98	705419	20.0	19.7	
S	133 Xylenes, Total	106				0		40.0	40.2	

QC Flag Legend
Processing Flags

Reagents:

vmfasaw_00391	Amount Added:	16.00	Units: uL	
vmfaspw_00415	Amount Added:	16.00	Units: uL	
vmfasgw_00425	Amount Added:	16.00	Units: uL	
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

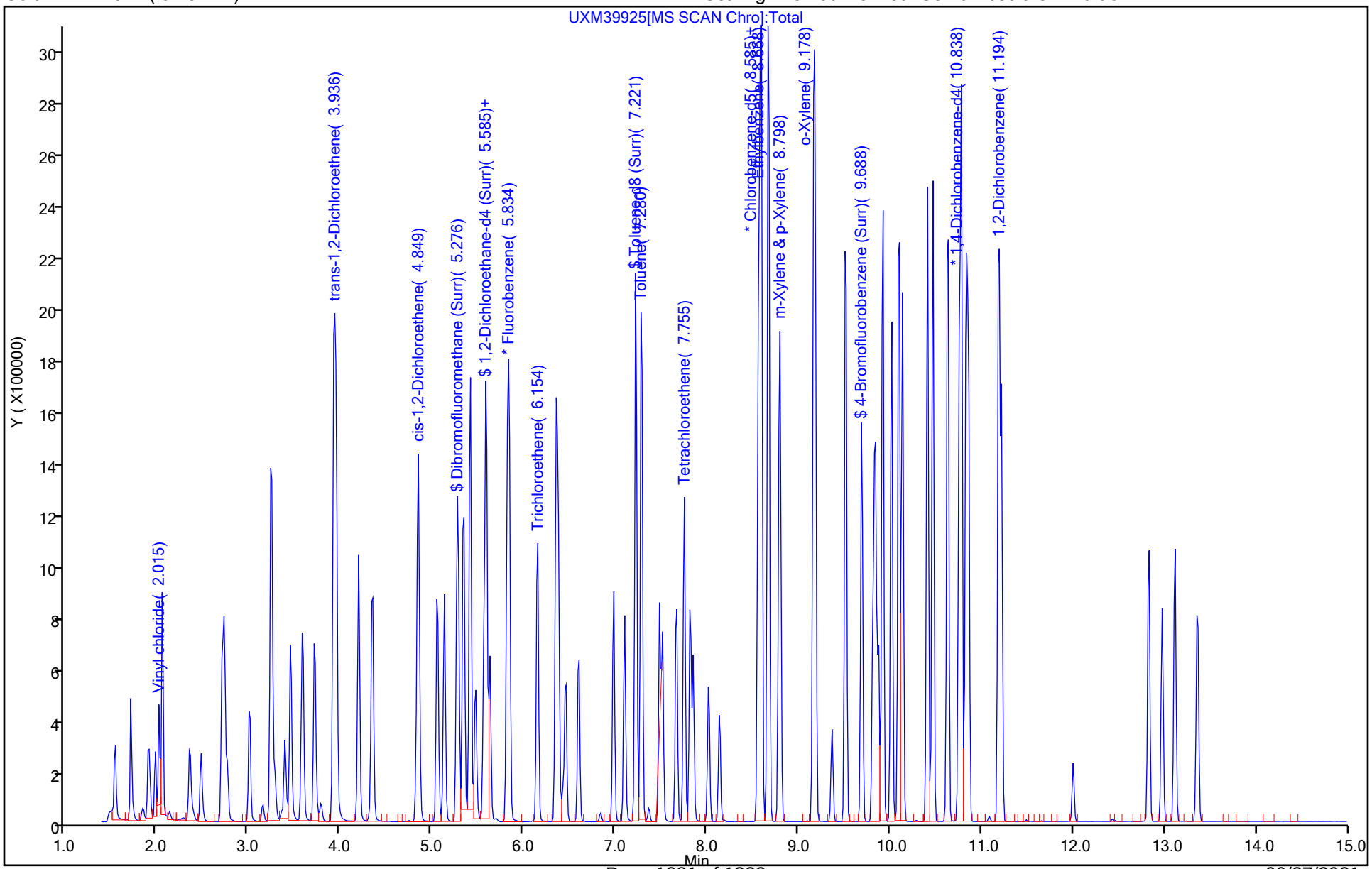
Report Date: 21-Sep-2021 08:40:39 Chrom Revision: 2.3 13-May-2021 07:57:40

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\UXM39925.D

Injection Date:	20-Sep-2021 20:15:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156136-B-3 MSD			Worklist Smp#:	27
Client ID:	MW-128B-IM-163				
Purge Vol:	5.000 mL	Dil. Factor:	5.0000	ALS Bottle#:	27
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\20210920-113298.b\UXM39925.D				
Lims ID:	240-156136-B-3 MSD				
Client ID:	MW-128B-IM-163				
Sample Type:	MSD				
Inject. Date:	20-Sep-2021 20:15:30	ALS Bottle#:	27	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	5.0000		
Sample Info:	240-0113298-027				
Operator ID:	001765	Instrument ID:	A3UX16		
Method:	\\chromfs\Canton\ChromData\A3UX16\20210920-113298.b\8260_16.m				
Limit Group:	MSV 8260C ICAL				
Last Update:	21-Sep-2021 08:35:33	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:	CTX1681				

First Level Reviewer: bosworthh Date: 21-Sep-2021 08:40:38

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	21.3	94.04
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	21.2	93.44
$ 6 Toluene-d8 (Surr)	22.7	21.9	96.77
$ 7 4-Bromofluorobenzene (Surr)	22.7	23.5	103.65

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 240-156590-B-3 MSD

Matrix: Water Lab File ID: UXM40059.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 22:17

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.: 505049 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	971		200	110
71-43-2	Benzene	425		20	8.4
75-27-4	Bromodichloromethane	386		20	3.4
75-25-2	Bromoform	357		20	15
74-83-9	Bromomethane	311		20	8.4
78-93-3	2-Butanone	904		200	23
75-15-0	Carbon disulfide	392		20	12
56-23-5	Carbon tetrachloride	416		20	5.2
108-90-7	Chlorobenzene	414		20	7.6
75-00-3	Chloroethane	350		20	17
67-66-3	Chloroform	423		20	9.4
74-87-3	Chloromethane	307		20	13
156-59-2	cis-1,2-Dichloroethene	406		20	9.2
10061-01-5	cis-1,3-Dichloropropene	372		20	12
124-48-1	Dibromochloromethane	389		20	7.8
96-12-8	1,2-Dibromo-3-Chloropropane	335		40	18
106-93-4	1,2-Dibromoethane	442		20	8.2
95-50-1	1,2-Dichlorobenzene	391		20	9.6
541-73-1	1,3-Dichlorobenzene	395		20	9.0
106-46-7	1,4-Dichlorobenzene	399		20	8.2
75-71-8	Dichlorodifluoromethane	292		20	7.0
75-34-3	1,1-Dichloroethane	366		20	9.4
107-06-2	1,2-Dichloroethane	419		20	4.2
75-35-4	1,1-Dichloroethene	435		20	9.8
78-87-5	1,2-Dichloropropane	409		20	9.4
100-41-4	Ethylbenzene	400		20	8.4
591-78-6	2-Hexanone	774		200	22
98-82-8	Isopropylbenzene	404		20	9.8
75-09-2	Methylene Chloride	414		100	52
108-10-1	4-Methyl-2-pentanone	752		200	20
1634-04-4	Methyl tert-butyl ether	378		20	9.4
179601-23-1	m-Xylene & p-Xylene	407		40	8.4
95-47-6	o-Xylene	408		20	8.4
100-42-5	Styrene	437		20	9.0
79-34-5	1,1,2,2-Tetrachloroethane	414		20	12
127-18-4	Tetrachloroethene	430		20	8.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Client Sample ID: Lab Sample ID: 240-156590-B-3 MSD

Matrix: Water Lab File ID: UXM40059.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/23/2021 22:17

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.: 505049 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-88-3	Toluene	402		20	8.8
156-60-5	trans-1,2-Dichloroethene	410		20	10
10061-02-6	trans-1,3-Dichloropropene	359		20	13
120-82-1	1,2,4-Trichlorobenzene	349		20	15
71-55-6	1,1,1-Trichloroethane	421		20	9.6
79-01-6	Trichloroethene	448		20	8.8
75-69-4	Trichlorofluoromethane	404		20	9.0
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	433		20	8.2
75-01-4	Vinyl chloride	322		20	9.0
1330-20-7	Xylenes, Total	815		40	8.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	102		56-136
1868-53-7	Dibromofluoromethane (Surr)	95		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		62-137
2037-26-5	Toluene-d8 (Surr)	95		78-122

Eurofins TestAmerica, Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40059.D
Lims ID: 240-156590-B-3 MSD
Client ID:
Sample Type: MSD
Inject. Date: 23-Sep-2021 22:17:30 ALS Bottle#: 30 Worklist Smp#: 30
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Sample Info: 240-0113440-030
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Sep-2021 08:03:49 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: CTX1663

First Level Reviewer: bosworthh Date: 24-Sep-2021 08:05:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.846	5.845	0.001	99	1372740	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.561	8.561	0.000	85	1102199	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.838	10.838	0.000	94	628341	20.0	20.0	
$ 4 Dibromofluoromethane (Surr)	113	5.265	5.264	0.001	94	357775	22.7	21.5	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.561	5.561	0.000	98	423131	22.7	21.5	
$ 6 Toluene-d8 (Surr)	98	7.221	7.221	0.000	93	1452873	22.7	21.6	
$ 7 4-Bromofluorobenzene (Surr)	95	9.688	9.688	0.000	89	595301	22.7	23.0	
9 Dichlorodifluoromethane	85	1.707	1.707	0.000	99	360377	20.0	14.6	
10 Chloromethane	50	1.897	1.897	0.000	99	390577	20.0	15.3	
11 Vinyl chloride	62	2.015	2.015	0.000	98	407092	20.0	16.1	
13 Bromomethane	94	2.347	2.347	0.000	91	222853	20.0	15.6	
14 Chloroethane	64	2.478	2.478	0.000	99	248459	20.0	17.5	
16 Trichlorofluoromethane	101	2.727	2.727	0.000	99	554471	20.0	20.2	
19 1,1-Dichloroethene	96	3.237	3.237	0.000	98	331742	20.0	21.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	151	3.249	3.248	0.001	90	256916	20.0	21.6	
21 Acetone	58	3.284	3.284	0.000	100	62212	40.0	48.6	
24 Carbon disulfide	76	3.450	3.450	0.000	99	979829	20.0	19.6	
27 Methyl acetate	43	3.569	3.569	0.000	96	360028	40.0	31.7	
28 Methylene Chloride	84	3.711	3.711	0.000	88	373810	20.0	20.7	
31 Methyl tert-butyl ether	73	3.936	3.936	0.000	94	799472	20.0	18.9	
32 trans-1,2-Dichloroethene	96	3.948	3.948	0.000	99	374889	20.0	20.5	
34 1,1-Dichloroethane	63	4.351	4.351	0.000	96	588082	20.0	18.3	
40 2-Butanone (MEK)	72	4.826	4.826	0.000	99	73038	40.0	45.2	
39 cis-1,2-Dichloroethene	96	4.850	4.849	0.001	79	412097	20.0	20.3	
47 Chloroform	83	5.134	5.134	0.000	93	663011	20.0	21.1	
48 1,1,1-Trichloroethane	97	5.288	5.288	0.000	98	569900	20.0	21.1	
49 Cyclohexane	56	5.336	5.336	0.000	86	559688	20.0	18.7	
51 Carbon tetrachloride	117	5.419	5.419	0.000	89	462254	20.0	20.8	
54 Benzene	78	5.585	5.585	0.000	96	1475100	20.0	21.3	
53 1,2-Dichloroethane	62	5.632	5.632	0.000	98	483223	20.0	20.9	
58 Trichloroethene	130	6.154	6.154	0.000	96	403913	20.0	22.4	
60 Methylcyclohexane	83	6.356	6.355	0.001	89	606816	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
61 1,2-Dichloropropane	63	6.379	6.379	0.000	94	334503	20.0	20.5	
65 Dichlorobromomethane	83	6.605	6.604	0.001	99	450029	20.0	19.3	
68 cis-1,3-Dichloropropene	75	6.984	6.984	0.000	96	501299	20.0	18.6	
69 4-Methyl-2-pentanone (MIBK)	43	7.103	7.102	0.001	94	464149	40.0	37.6	
70 Toluene	91	7.280	7.280	0.000	98	1587691	20.0	20.1	
71 trans-1,3-Dichloropropene	75	7.482	7.482	0.000	89	444788	20.0	18.0	
73 1,1,2-Trichloroethane	97	7.672	7.672	0.000	90	294303	20.0	21.8	
75 Tetrachloroethene	164	7.755	7.755	0.000	98	315314	20.0	21.5	
76 2-Hexanone	43	7.850	7.850	0.000	93	352532	40.0	38.7	
78 Chlorodibromomethane	129	8.016	8.016	0.000	90	302777	20.0	19.5	
80 Ethylene Dibromide	107	8.134	8.134	0.000	98	296247	20.0	22.1	
82 Chlorobenzene	112	8.597	8.597	0.000	97	1042543	20.0	20.7	
84 Ethylbenzene	106	8.680	8.680	0.000	98	570841	20.0	20.0	
85 m-Xylene & p-Xylene	106	8.798	8.798	0.000	97	733732	20.0	20.3	
86 o-Xylene	106	9.166	9.166	0.000	96	692732	20.0	20.4	
87 Styrene	104	9.178	9.190	-0.012	96	1134753	20.0	21.8	
88 Bromoform	173	9.368	9.367	0.001	97	169349	20.0	17.8	
89 Isopropylbenzene	105	9.510	9.522	-0.012	96	1803826	20.0	20.2	
92 1,1,2,2-Tetrachloroethane	83	9.818	9.818	0.000	95	359867	20.0	20.7	
106 1,3-Dichlorobenzene	146	10.755	10.755	0.000	97	823379	20.0	19.8	
108 1,4-Dichlorobenzene	146	10.862	10.862	0.000	96	834752	20.0	20.0	
112 1,2-Dichlorobenzene	146	11.218	11.217	0.001	98	755414	20.0	19.6	
113 1,2-Dibromo-3-Chloropropane	157	12.000	12.000	0.000	87	68626	20.0	16.8	
115 1,2,4-Trichlorobenzene	180	12.830	12.830	0.000	94	391595	20.0	17.5	
S 133 Xylenes, Total	106				0		40.0	40.7	

QC Flag Legend

Processing Flags

Reagents:

vmfasgw_00426	Amount Added:	16.00	Units: uL	
vmfaspw_00415	Amount Added:	16.00	Units: uL	
vmfasaw_00391	Amount Added:	16.00	Units: uL	
vm50is_stk_A_00009	Amount Added:	2.00	Units: uL	Run Reagent
vmDist_H2o_00202	Amount Added:	0.00	Units:	Run Reagent
vm50ss_stk_00088	Amount Added:	2.27	Units: uL	Run Reagent
vm40ml_vials_00016	Amount Added:	0.00	Units:	Run Reagent

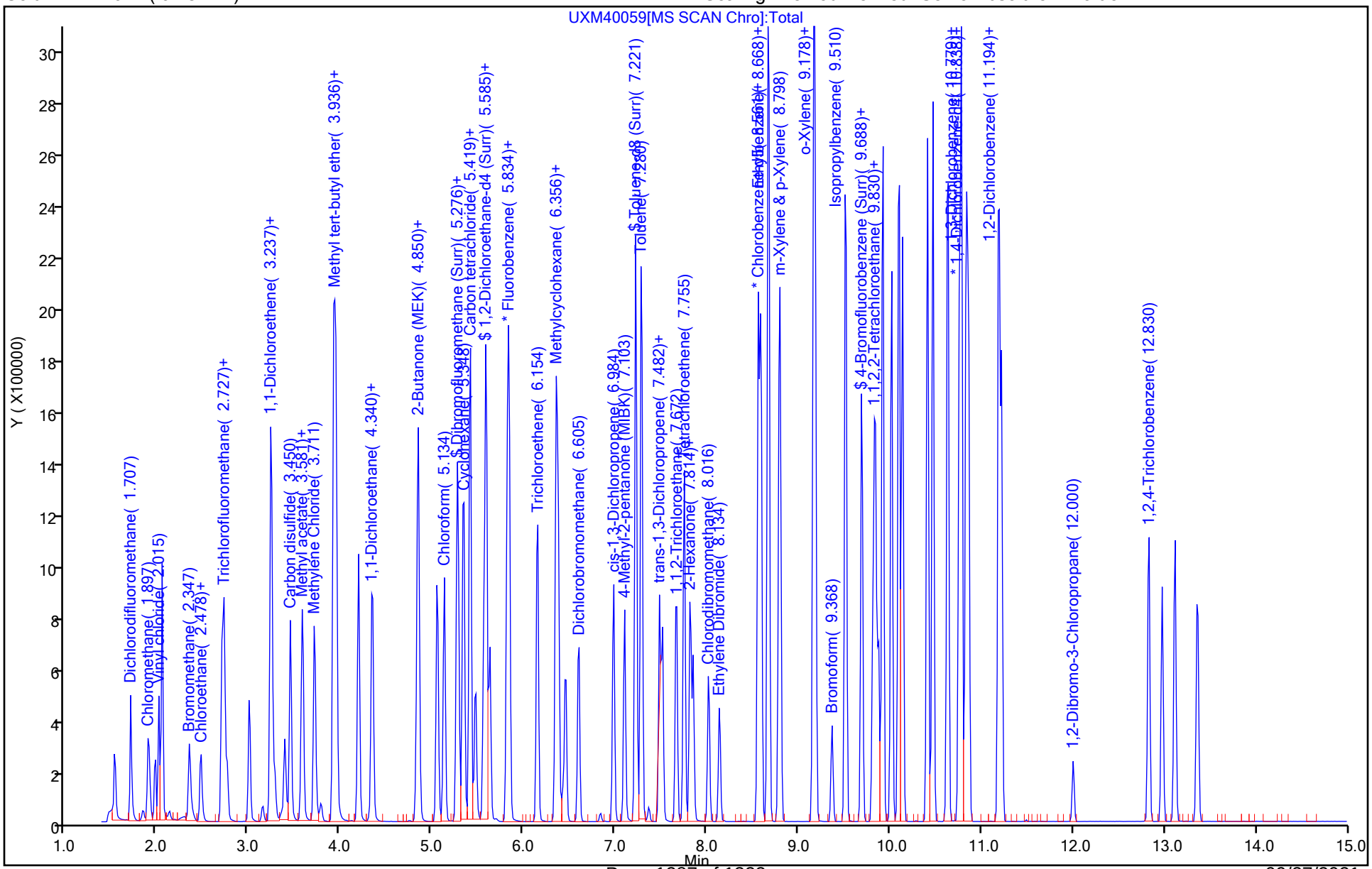
Report Date: 24-Sep-2021 08:05:29 Chrom Revision: 2.3 22-Sep-2021 15:38:46

Eurofins TestAmerica, Canton

Data File: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\UXM40059.D

Injection Date:	23-Sep-2021 22:17:30	Instrument ID:	A3UX16	Operator ID:	001765
Lims ID:	240-156590-B-3 MSD			Worklist Smp#:	30
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	20.0000	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\20210923-113440.b\UXM40059.D
Lims ID: 240-156590-B-3 MSD
Client ID:
Sample Type: MSD
Inject. Date: 23-Sep-2021 22:17:30 ALS Bottle#: 30 Worklist Smp#: 30
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Sample Info: 240-0113440-030
Operator ID: 001765 Instrument ID: A3UX16

Method: \\chromfs\Canton\ChromData\A3UX16\20210923-113440.b\8260_16.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Sep-2021 08:03:49 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: CTX1663

First Level Reviewer: bosworthh Date: 24-Sep-2021 08:05:28

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 Dibromofluoromethane (Surr)	22.7	21.5	94.68
$ 5 1,2-Dichloroethane-d4 (Surr)	22.7	21.5	94.85
$ 6 Toluene-d8 (Surr)	22.7	21.6	95.33
$ 7 4-Bromofluorobenzene (Surr)	22.7	23.0	101.58

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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.: 240-156133-1

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.: 240-156133-1

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.: 240-156133-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 Start Date: 08/27/2021 16:03

Analysis Batch Number: 501424 End Date: 08/27/2021 20:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-501424/1		08/27/2021 16:03	1	bfb905.d	DB-624 0.18(mm)
CCV 240-501424/3		08/27/2021 16:28	1		DB-624 0.18(mm)
CCVIS 240-501424/4		08/27/2021 16:50	1		DB-624 0.18(mm)
MRL 240-501424/6 MDLV		08/27/2021 17:12	1		DB-624 0.18(mm)
ZZZZZ		08/27/2021 17:34	1		DB-624 0.18(mm)
STD 240-501424/9 IC		08/27/2021 17:57	1	U1923841.d	DB-624 0.18(mm)
STD 240-501424/10 IC		08/27/2021 18:19	1	U1923842.d	DB-624 0.18(mm)
STD 240-501424/11 IC		08/27/2021 18:41	1	U1923843.d	DB-624 0.18(mm)
STD 240-501424/12 IC		08/27/2021 19:04	1	U1923844.d	DB-624 0.18(mm)
STD 240-501424/13 IC		08/27/2021 19:26	1	U1923845.d	DB-624 0.18(mm)
STD 240-501424/14 IC		08/27/2021 19:48	1	U1923846.d	DB-624 0.18(mm)
ICV 240-501424/15		08/27/2021 20:11	1	U1923847.d	DB-624 0.18(mm)
MRL 240-501424/16 MDLV		08/27/2021 20:33	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 Start Date: 09/18/2021 09:50

Analysis Batch Number: 504263 End Date: 09/18/2021 21:22

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-504263/1		09/18/2021 09:50	1	BFB1369.D	DB-624 0.18(mm)
CCVIS 240-504263/3		09/18/2021 10:15	1	UXM39871.D	DB-624 0.18(mm)
CCV 240-504263/4		09/18/2021 10:39	1	UXM39872.D	DB-624 0.18(mm)
LCS 240-504263/5		09/18/2021 11:04	1	UXM39873.D	DB-624 0.18(mm)
MDLV 240-504263/6		09/18/2021 11:29	1		DB-624 0.18(mm)
MDLV 240-504263/7		09/18/2021 11:53	1		DB-624 0.18(mm)
MB 240-504263/8		09/18/2021 12:18	1	UXM39876.D	DB-624 0.18(mm)
ZZZZZ		09/18/2021 12:43	50		DB-624 0.18(mm)
ZZZZZ		09/18/2021 13:08	100		DB-624 0.18(mm)
ZZZZZ		09/18/2021 13:32	1		DB-624 0.18(mm)
ZZZZZ		09/18/2021 13:57	200		DB-624 0.18(mm)
ZZZZZ		09/18/2021 14:22	1		DB-624 0.18(mm)
ZZZZZ		09/18/2021 14:46	1		DB-624 0.18(mm)
ZZZZZ		09/18/2021 15:11	1		DB-624 0.18(mm)
ZZZZZ		09/18/2021 15:36	1		DB-624 0.18(mm)
ZZZZZ		09/18/2021 16:00	1		DB-624 0.18(mm)
ZZZZZ		09/18/2021 16:25	1		DB-624 0.18(mm)
ZZZZZ		09/18/2021 16:50	1		DB-624 0.18(mm)
ZZZZZ		09/18/2021 17:15	1		DB-624 0.18(mm)
ZZZZZ		09/18/2021 17:40	1		DB-624 0.18(mm)
240-156133-1	MSA-SW37A-091421	09/18/2021 18:04	1	UXM39890.D	DB-624 0.18(mm)
240-156133-2	MSA-SW37B-091421	09/18/2021 18:29	1	UXM39891.D	DB-624 0.18(mm)
240-156133-3	MSA-SW37C-091421	09/18/2021 18:53	1	UXM39892.D	DB-624 0.18(mm)
240-156133-4	MSA-SW37D-091421	09/18/2021 19:18	1	UXM39893.D	DB-624 0.18(mm)
240-156133-5	MSA-SW38A-091421	09/18/2021 19:43	1	UXM39894.D	DB-624 0.18(mm)
240-156133-6	MSA-SW38B-091421	09/18/2021 20:07	1	UXM39895.D	DB-624 0.18(mm)
240-156133-7	MSA-SW38C-091421	09/18/2021 20:32	1	UXM39896.D	DB-624 0.18(mm)
240-156069-B-1 MS		09/18/2021 20:57	50	UXM39897.D	DB-624 0.18(mm)
240-156069-B-1 MSD		09/18/2021 21:22	50	UXM39898.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX19 Start Date: 09/18/2021 11:26

Analysis Batch Number: 504290 End Date: 09/18/2021 22:54

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-504290/1		09/18/2021 11:26	1	bfb922.d	DB-624 0.18(mm)
CCV 240-504290/3		09/18/2021 11:48	1	U1924231.d	DB-624 0.18(mm)
CCVIS 240-504290/4		09/18/2021 12:10	1	U1924232.d	DB-624 0.18(mm)
CCV 240-504290/5		09/18/2021 12:33	1	U1924233.d	DB-624 0.18(mm)
LCS 240-504290/6		09/18/2021 12:55	1	U1924234.d	DB-624 0.18(mm)
ZZZZZ		09/18/2021 13:17	1		DB-624 0.18(mm)
MRL 240-504290/8 MDLV		09/18/2021 13:39	1		DB-624 0.18(mm)
MRL 240-504290/9 MDLV		09/18/2021 14:01	1		DB-624 0.18(mm)
MB 240-504290/10		09/18/2021 14:24	1	U1924238.d	DB-624 0.18(mm)
ZZZZZ		09/18/2021 14:46	400		DB-624 0.18(mm)
ZZZZZ		09/18/2021 15:08	400		DB-624 0.18(mm)
ZZZZZ		09/18/2021 15:30	400		DB-624 0.18(mm)
ZZZZZ		09/18/2021 16:15	1		DB-624 0.18(mm)
ZZZZZ		09/18/2021 16:37	1		DB-624 0.18(mm)
ZZZZZ		09/18/2021 16:59	2000		DB-624 0.18(mm)
ZZZZZ		09/18/2021 17:22	10		DB-624 0.18(mm)
ZZZZZ		09/18/2021 17:44	500		DB-624 0.18(mm)
ZZZZZ		09/18/2021 18:06	50		DB-624 0.18(mm)
ZZZZZ		09/18/2021 18:28	4		DB-624 0.18(mm)
ZZZZZ		09/18/2021 18:51	400		DB-624 0.18(mm)
ZZZZZ		09/18/2021 19:13	2000		DB-624 0.18(mm)
ZZZZZ		09/18/2021 19:58	500		DB-624 0.18(mm)
ZZZZZ		09/18/2021 20:20	2		DB-624 0.18(mm)
240-156016-E-8 MS		09/18/2021 20:42	2	U1924255.d	DB-624 0.18(mm)
240-156016-E-8 MSD		09/18/2021 21:04	2	U1924256.d	DB-624 0.18(mm)
240-156133-30	MSA-SW46A-091421	09/18/2021 21:48	1	U1924258.d	DB-624 0.18(mm)
240-156133-31	MSA-SW47A-091421	09/18/2021 22:10	1	U1924259.d	DB-624 0.18(mm)
240-156133-32	MSA-SW48A-091421	09/18/2021 22:32	1	U1924260.d	DB-624 0.18(mm)
240-156133-33	MSA-SW49A-091421	09/18/2021 22:54	1	U1924261.d	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 Start Date: 09/20/2021 09:58

Analysis Batch Number: 504389 End Date: 09/20/2021 20:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-504389/1		09/20/2021 09:58	1	BFB1370.D	DB-624 0.18(mm)
CCVIS 240-504389/3		09/20/2021 10:23	1	UXM39901.D	DB-624 0.18(mm)
CCV 240-504389/4		09/20/2021 10:47	1	UXM39902.D	DB-624 0.18(mm)
LCS 240-504389/5		09/20/2021 11:12	1	UXM39903.D	DB-624 0.18(mm)
MDLV 240-504389/6		09/20/2021 11:37	1		DB-624 0.18(mm)
MDLV 240-504389/7		09/20/2021 12:02	1		DB-624 0.18(mm)
MB 240-504389/8		09/20/2021 12:26	1	UXM39906.D	DB-624 0.18(mm)
240-156133-8	MSA-SW38D-091421	09/20/2021 15:44	1	UXM39914.D	DB-624 0.18(mm)
240-156133-9	MSA-SW40A-091421	09/20/2021 16:09	1	UXM39915.D	DB-624 0.18(mm)
240-156133-10	MSA-SW40B-091421	09/20/2021 16:34	1	UXM39916.D	DB-624 0.18(mm)
240-156133-11	MSA-SW40C-091421	09/20/2021 16:58	1	UXM39917.D	DB-624 0.18(mm)
240-156133-12	MSA-SW40D-091421	09/20/2021 17:23	1	UXM39918.D	DB-624 0.18(mm)
240-156133-13	MSA-SW41A-091421	09/20/2021 17:48	1	UXM39919.D	DB-624 0.18(mm)
240-156133-14	MSA-SW41B-091421	09/20/2021 18:13	1	UXM39920.D	DB-624 0.18(mm)
240-156133-15	MSA-SW41C-091421	09/20/2021 18:37	1	UXM39921.D	DB-624 0.18(mm)
240-156133-16	MSA-SW41D-091421	09/20/2021 19:02	1	UXM39922.D	DB-624 0.18(mm)
ZZZZZ		09/20/2021 19:26	5		DB-624 0.18(mm)
240-156136-B-3 MS		09/20/2021 19:51	5	UXM39924.D	DB-624 0.18(mm)
240-156136-B-3 MSD		09/20/2021 20:15	5	UXM39925.D	DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Instrument ID: A3UX16 Start Date: 09/23/2021 10:50

Analysis Batch Number: 505049 End Date: 09/23/2021 22:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-505049/1		09/23/2021 10:50	1	BFB1373.D	DB-624 0.18(mm)
CCVIS 240-505049/3		09/23/2021 11:14	1	UXM40032.D	DB-624 0.18(mm)
CCV 240-505049/4		09/23/2021 11:39	1	UXM40033.D	DB-624 0.18(mm)
LCS 240-505049/5		09/23/2021 12:04	1	UXM40034.D	DB-624 0.18(mm)
MDLV 240-505049/6		09/23/2021 12:28	1		DB-624 0.18(mm)
MDLV 240-505049/7		09/23/2021 12:53	1		DB-624 0.18(mm)
MB 240-505049/8		09/23/2021 13:18	1	UXM40037.D	DB-624 0.18(mm)
ZZZZZ		09/23/2021 13:42	1		DB-624 0.18(mm)
240-156133-17	MSA-SW42A-091421	09/23/2021 14:07	1	UXM40039.D	DB-624 0.18(mm)
240-156133-18	MSA-SW42B-091421	09/23/2021 14:31	1	UXM40040.D	DB-624 0.18(mm)
240-156133-19	MSA-SW42C-091421	09/23/2021 14:55	1	UXM40041.D	DB-624 0.18(mm)
240-156133-20	MSA-SW42D-091421	09/23/2021 15:19	1	UXM40042.D	DB-624 0.18(mm)
240-156133-21	MSA-SW43A-091421	09/23/2021 15:43	1	UXM40043.D	DB-624 0.18(mm)
240-156133-22	MSA-SW43B-091421	09/23/2021 16:08	1	UXM40044.D	DB-624 0.18(mm)
240-156133-23	MSA-SW43C-091421	09/23/2021 16:32	1	UXM40045.D	DB-624 0.18(mm)
240-156133-24	MSA-SW43D-091421	09/23/2021 16:56	1	UXM40046.D	DB-624 0.18(mm)
240-156133-25	MSA-SW44A-091421	09/23/2021 17:21	1	UXM40047.D	DB-624 0.18(mm)
240-156133-26	MSA-SW44B-091421	09/23/2021 17:45	1	UXM40048.D	DB-624 0.18(mm)
240-156133-27	MSA-SW44C-091421	09/23/2021 18:10	1	UXM40049.D	DB-624 0.18(mm)
240-156133-28	MSA-SW44D-091421	09/23/2021 18:35	1	UXM40050.D	DB-624 0.18(mm)
240-156133-29	TB-091421	09/23/2021 18:59	1	UXM40051.D	DB-624 0.18(mm)
ZZZZZ		09/23/2021 19:24	1		DB-624 0.18(mm)
ZZZZZ		09/23/2021 19:49	1		DB-624 0.18(mm)
ZZZZZ		09/23/2021 20:13	1		DB-624 0.18(mm)
ZZZZZ		09/23/2021 20:38	1		DB-624 0.18(mm)
ZZZZZ		09/23/2021 21:03	5		DB-624 0.18(mm)
ZZZZZ		09/23/2021 21:28	20		DB-624 0.18(mm)
240-156590-B-3 MS		09/23/2021 21:52	20	UXM40058.D	DB-624 0.18(mm)
240-156590-B-3 MSD		09/23/2021 22:17	20	UXM40059.D	DB-624 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

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.: 240-156133-1

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.: 240-156133-1

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.: 240-156133-1

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.: 240-156133-1

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.: 240-156133-1

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.: 240-156133-1

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.: 240-156133-1

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.: 240-156133-1

SDG No.: Frog Mortar Creek

Batch Number: 501424 Batch Start Date: 08/27/21 16:03 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	vm50is_stk_A 00009	vmbfb 00027	vmDCB 00025	vmDCB 00026
BFB 240-501424/1		8260C		5 mL	5 mL		1 uL		
STD 240-501424/9 IC		8260C		5 mL	5 mL	2 uL		0.8 uL	
STD 240-501424/10 IC		8260C		5 mL	5 mL	2 uL		8 uL	
STD 240-501424/11 IC		8260C		5 mL	5 mL	2 uL		16 uL	
STD 240-501424/12 IC		8260C		5 mL	5 mL	2 uL		32 uL	
STD 240-501424/13 IC		8260C		5 mL	5 mL	2 uL		48 uL	
STD 240-501424/14 IC		8260C		5 mL	5 mL	2 uL		64 uL	
ICV 240-501424/15		8260C		5 mL	5 mL	2 uL			16 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmTHT std 00024					
BFB 240-501424/1		8260C							
STD 240-501424/9 IC		8260C		0.8 uL					
STD 240-501424/10 IC		8260C		8 uL					
STD 240-501424/11 IC		8260C		16 uL					
STD 240-501424/12 IC		8260C		32 uL					
STD 240-501424/13 IC		8260C		48 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.: 240-156133-1

SDG No.: Frog Mortar Creek

Batch Number: 501424 Batch Start Date: 08/27/21 16:03 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmTHT std 00024					
STD 240-501424/14 IC		8260C		64 uL					
ICV 240-501424/15		8260C		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.: 240-156133-1

SDG No.: Frog Mortar Creek

Batch Number: 504263 Batch Start Date: 09/18/21 09:50 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 00088	vmarolistdw 00408
BFB 240-504263/1		8260C		5 mL	5 mL				
CCVIS 240-504263/3		8260C		5 mL	5 mL		2 uL	2.268 uL	16 uL
CCV 240-504263/4		8260C		5 mL	5 mL		2 uL		
LCS 240-504263/5		8260C		5 mL	5 mL		2 uL	2.268 uL	
MB 240-504263/8		8260C		5 mL	5 mL		2 uL	2.268 uL	
240-156133-B-1	MSA-SW37A-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-2	MSA-SW37B-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-3	MSA-SW37C-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-4	MSA-SW37D-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-5	MSA-SW38A-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-6	MSA-SW38B-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-7	MSA-SW38C-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156069-B-1 MS		8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156069-B-1 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 00390	vmfasgw 00425	vmfaspw 00414	vmra9w 00406	vmrgas 00400
BFB 240-504263/1		8260C		1 uL					
CCVIS 240-504263/3		8260C							16 uL
CCV 240-504263/4		8260C						16 uL	
LCS 240-504263/5		8260C			16 uL	16 uL	16 uL		
MB 240-504263/8		8260C							
240-156133-B-1	MSA-SW37A-091421	8260C	T						
240-156133-B-2	MSA-SW37B-091421	8260C	T						
240-156133-B-3	MSA-SW37C-091421	8260C	T						
240-156133-B-4	MSA-SW37D-091421	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.: 240-156133-1

SDG No.: Frog Mortar Creek

Batch Number: 504263 Batch Start Date: 09/18/21 09:50 Batch Analyst: Bosworth, Heather M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00027	vmfasaw 00390	vmfasgw 00425	vmfaspw 00414	vmra9w 00406	vmrgas 00400
240-156133-B-5	MSA-SW38A-091421	8260C	T						
240-156133-B-6	MSA-SW38B-091421	8260C	T						
240-156133-B-7	MSA-SW38C-091421	8260C	T						
240-156069-B-1 MS		8260C	T		16 uL	16 uL	16 uL		
240-156069-B-1 MSD		8260C	T		16 uL	16 uL	16 uL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00451					
BFB 240-504263/1		8260C							
CCVIS 240-504263/3		8260C		16 uL					
CCV 240-504263/4		8260C							
LCS 240-504263/5		8260C							
MB 240-504263/8		8260C							
240-156133-B-1	MSA-SW37A-091421	8260C	T						
240-156133-B-2	MSA-SW37B-091421	8260C	T						
240-156133-B-3	MSA-SW37C-091421	8260C	T						
240-156133-B-4	MSA-SW37D-091421	8260C	T						
240-156133-B-5	MSA-SW38A-091421	8260C	T						
240-156133-B-6	MSA-SW38B-091421	8260C	T						
240-156133-B-7	MSA-SW38C-091421	8260C	T						
240-156069-B-1 MS		8260C	T						
240-156069-B-1 MSD		8260C	T						

Batch Notes	
pH Indicator ID	HC042657

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.: 240-156133-1

SDG No.: Frog Mortar Creek

Batch Number: 504263 Batch Start Date: 09/18/21 09:50 Batch Analyst: Bosworth, Heather M

Batch Method: 8260C Batch End Date:

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Batch Number: 504290 Batch Start Date: 09/18/21 11:26 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	vm50is_stk_A 00009	vm50ss_stk 00088	vmarolistdw 00408
BFB 240-504290/1		8260C		5 mL	5 mL				
CCV 240-504290/3		8260C		5 mL	5 mL		2 uL		
CCVIS 240-504290/4		8260C		5 mL	5 mL		2 uL	2 uL	16 uL
CCV 240-504290/5		8260C		5 mL	5 mL		2 uL		
LCS 240-504290/6		8260C		5 mL	5 mL		2 uL	2 uL	
MB 240-504290/10		8260C		5 mL	5 mL		2 uL	2 uL	
240-156016-E-8 MS	GW2021-MW-25B	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-156016-E-8 MSD	GW2021-MW-25B	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-156133-A-30	MSA-SW46A-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-156133-B-31	MSA-SW47A-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-156133-B-32	MSA-SW48A-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-156133-A-33	MSA-SW49A-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00027	vmDCB 00025	vmfasaw 00390	vmfasgw 00425	vmfaspw 00414	vmra9w 00406
BFB 240-504290/1		8260C		1 uL					
CCV 240-504290/3		8260C							16 uL
CCVIS 240-504290/4		8260C							
CCV 240-504290/5		8260C			16 uL				
LCS 240-504290/6		8260C				16 uL	16 uL	16 uL	
MB 240-504290/10		8260C							
240-156016-E-8 MS	GW2021-MW-25B	8260C	T		16 uL	16 uL	16 uL	16 uL	
240-156016-E-8 MSD	GW2021-MW-25B	8260C	T		16 uL	16 uL	16 uL	16 uL	
240-156133-A-30	MSA-SW46A-091421	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.: 240-156133-1

SDG No.: Frog Mortar Creek

Batch Number: 504290 Batch Start Date: 09/18/21 11:26 Batch Analyst: Lavey, Tim

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00027	vmDCB 00025	vmfasaw 00390	vmfasgw 00425	vmfaspw 00414	vmra9w 00406
240-156133-B-31	MSA-SW47A-091421	8260C	T						
240-156133-B-32	MSA-SW48A-091421	8260C	T						
240-156133-A-33	MSA-SW49A-091421	8260C	T						

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrgas 00400	vmrprimw 00451	vmTHT std 00024			
BFB 240-504290/1		8260C							
CCV 240-504290/3		8260C							
CCVIS 240-504290/4		8260C		16 uL	16 uL				
CCV 240-504290/5		8260C				16 uL			
LCS 240-504290/6		8260C							
MB 240-504290/10		8260C							
240-156016-E-8 MS	GW2021-MW-25B	8260C	T			16 uL			
240-156016-E-8 MSD	GW2021-MW-25B	8260C	T			16 uL			
240-156133-A-30	MSA-SW46A-091421	8260C	T						
240-156133-B-31	MSA-SW47A-091421	8260C	T						
240-156133-B-32	MSA-SW48A-091421	8260C	T						
240-156133-A-33	MSA-SW49A-091421	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.: 240-156133-1

SDG No.: Frog Mortar Creek

Batch Number: 504389 Batch Start Date: 09/20/21 09:58 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 00088	vmarolistdw 00409
BFB 240-504389/1		8260C		5 mL	5 mL				
CCVIS 240-504389/3		8260C		5 mL	5 mL		2 uL	2.268 uL	16 uL
CCV 240-504389/4		8260C		5 mL	5 mL		2 uL		
LCS 240-504389/5		8260C		5 mL	5 mL		2 uL	2.268 uL	
MB 240-504389/8		8260C		5 mL	5 mL		2 uL	2.268 uL	
240-156133-A-8	MSA-SW38D-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-9	MSA-SW40A-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-10	MSA-SW40B-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-11	MSA-SW40C-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-12	MSA-SW40D-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-13	MSA-SW41A-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-14	MSA-SW41B-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-15	MSA-SW41C-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-16	MSA-SW41D-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156136-B-3 MS	MW-128B-IM-163	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156136-B-3 MSD	MW-128B-IM-163	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 00391	vmfasgw 00425	vmfaspw 00415	vmra9w 00407	vmrgas 00400
BFB 240-504389/1		8260C		1 uL					
CCVIS 240-504389/3		8260C							16 uL
CCV 240-504389/4		8260C						16 uL	
LCS 240-504389/5		8260C			16 uL	16 uL	16 uL		
MB 240-504389/8		8260C							
240-156133-A-8	MSA-SW38D-091421	8260C	T						
240-156133-B-9	MSA-SW40A-091421	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.: 240-156133-1

SDG No.: Frog Mortar Creek

Batch Number: 504389 Batch Start Date: 09/20/21 09:58 Batch Analyst: Bosworth, Heather M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00027	vmfasaw 00391	vmfasgw 00425	vmfaspw 00415	vmra9w 00407	vmrgas 00400
240-156133-B-10	MSA-SW40B-091421	8260C	T						
240-156133-B-11	MSA-SW40C-091421	8260C	T						
240-156133-B-12	MSA-SW40D-091421	8260C	T						
240-156133-B-13	MSA-SW41A-091421	8260C	T						
240-156133-B-14	MSA-SW41B-091421	8260C	T						
240-156133-B-15	MSA-SW41C-091421	8260C	T						
240-156133-B-16	MSA-SW41D-091421	8260C	T						
240-156136-B-3 MS	MW-128B-IM-163	8260C	T		16 uL	16 uL	16 uL		
240-156136-B-3 MSD	MW-128B-IM-163	8260C	T		16 uL	16 uL	16 uL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00452					
BFB 240-504389/1		8260C							
CCVIS 240-504389/3		8260C		16 uL					
CCV 240-504389/4		8260C							
LCS 240-504389/5		8260C							
MB 240-504389/8		8260C							
240-156133-A-8	MSA-SW38D-091421	8260C	T						
240-156133-B-9	MSA-SW40A-091421	8260C	T						
240-156133-B-10	MSA-SW40B-091421	8260C	T						
240-156133-B-11	MSA-SW40C-091421	8260C	T						
240-156133-B-12	MSA-SW40D-091421	8260C	T						
240-156133-B-13	MSA-SW41A-091421	8260C	T						
240-156133-B-14	MSA-SW41B-091421	8260C	T						
240-156133-B-15	MSA-SW41C-091421	8260C	T						
240-156133-B-16	MSA-SW41D-091421	8260C	T						
240-156136-B-3 MS	MW-128B-IM-163	8260C	T						
240-156136-B-3 MSD	MW-128B-IM-163	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.: 240-156133-1

SDG No.: Frog Mortar Creek

Batch Number: 504389 Batch Start Date: 09/20/21 09:58 Batch Analyst: Bosworth, Heather M

Batch Method: 8260C Batch End Date:

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.: 240-156133-1

SDG No.: Frog Mortar Creek

Batch Number: 505049 Batch Start Date: 09/23/21 10:50 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 00088	vmarolistdw 00409
BFB 240-505049/1		8260C		5 mL	5 mL				
CCVIS 240-505049/3		8260C		5 mL	5 mL		2 uL	2.268 uL	16 uL
CCV 240-505049/4		8260C		5 mL	5 mL		2 uL		
LCS 240-505049/5		8260C		5 mL	5 mL		2 uL	2.268 uL	
MB 240-505049/8		8260C		5 mL	5 mL		2 uL	2.268 uL	
240-156133-B-17	MSA-SW42A-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-18	MSA-SW42B-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-A-19	MSA-SW42C-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-20	MSA-SW42D-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-21	MSA-SW43A-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-22	MSA-SW43B-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-23	MSA-SW43C-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-24	MSA-SW43D-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-A-25	MSA-SW44A-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-26	MSA-SW44B-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-27	MSA-SW44C-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-B-28	MSA-SW44D-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156133-A-29	TB-091421	8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156590-B-3 MS		8260C	T	5 mL	5 mL	<2 SU	2 uL	2.268 uL	
240-156590-B-3 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 00391	vmfasgw 00426	vmfaspw 00415	vmra9w 00407	vmrgas 00401
BFB 240-505049/1		8260C		1 uL					
CCVIS 240-505049/3		8260C							16 uL
CCV 240-505049/4		8260C						16 uL	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Canton Job No.: 240-156133-1

SDG No.: Frog Mortar Creek

Batch Number: 505049 Batch Start Date: 09/23/21 10:50 Batch Analyst: Bosworth, Heather M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00027	vmfasaw 00391	vmfasgw 00426	vmfaspw 00415	vmra9w 00407	vmrgas 00401
LCS 240-505049/5		8260C			16 uL	16 uL	16 uL		
MB 240-505049/8		8260C							
240-156133-B-17	MSA-SW42A-091421	8260C	T						
240-156133-B-18	MSA-SW42B-091421	8260C	T						
240-156133-A-19	MSA-SW42C-091421	8260C	T						
240-156133-B-20	MSA-SW42D-091421	8260C	T						
240-156133-B-21	MSA-SW43A-091421	8260C	T						
240-156133-B-22	MSA-SW43B-091421	8260C	T						
240-156133-B-23	MSA-SW43C-091421	8260C	T						
240-156133-B-24	MSA-SW43D-091421	8260C	T						
240-156133-A-25	MSA-SW44A-091421	8260C	T						
240-156133-B-26	MSA-SW44B-091421	8260C	T						
240-156133-B-27	MSA-SW44C-091421	8260C	T						
240-156133-B-28	MSA-SW44D-091421	8260C	T						
240-156133-A-29	TB-091421	8260C	T						
240-156590-B-3 MS		8260C	T		16 uL	16 uL	16 uL		
240-156590-B-3 MSD		8260C	T		16 uL	16 uL	16 uL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00452					
BFB 240-505049/1		8260C							
CCVIS 240-505049/3		8260C		16 uL					
CCV 240-505049/4		8260C							
LCS 240-505049/5		8260C							
MB 240-505049/8		8260C							
240-156133-B-17	MSA-SW42A-091421	8260C	T						
240-156133-B-18	MSA-SW42B-091421	8260C	T						
240-156133-A-19	MSA-SW42C-091421	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.: 240-156133-1

SDG No.: Frog Mortar Creek

Batch Number: 505049 Batch Start Date: 09/23/21 10:50 Batch Analyst: Bosworth, Heather M

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmrprimw 00452					
240-156133-B-20	MSA-SW42D-091421	8260C	T						
240-156133-B-21	MSA-SW43A-091421	8260C	T						
240-156133-B-22	MSA-SW43B-091421	8260C	T						
240-156133-B-23	MSA-SW43C-091421	8260C	T						
240-156133-B-24	MSA-SW43D-091421	8260C	T						
240-156133-A-25	MSA-SW44A-091421	8260C	T						
240-156133-B-26	MSA-SW44B-091421	8260C	T						
240-156133-B-27	MSA-SW44C-091421	8260C	T						
240-156133-B-28	MSA-SW44D-091421	8260C	T						
240-156133-A-29	TB-091421	8260C	T						
240-156590-B-3 MS		8260C	T						
240-156590-B-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.

Shipping and Receiving Documents

Baltimore
#201

40141

North Canton
4101 Shuffel Street, N. W.

North Canton, OH 44720
phone 330.497.9396 fax 330.497.0772

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Josh Mullis	Site Contact: Josh Mullis	Date: 9/14/2021	COC No:
Tetra Tech	Tel/Fax: 410-279-2700	Lab Contact: John McFadden	Carrier: Fedex	1 of 3 COCs
20251 Century Blvd, Suite 200	Analysis Turnaround Time			Job No.
Germantown, MD 20874	Calendar (C) or Work Days (W) _____			
(301) 528-3021 Phone	TAT if different from Below: STANDARD			SDG No.
(301) 528-3000 FAX	☐ 2 weeks			
Project Name: MSA Surface Water Sampling	☐ 1 week			Sampler: J Mullis
Site: MSA Frog Mortar Creek	☐ 2 days			
PO #1179752, 112IC09343	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	VOCs + Freon 113/22 + TIC (8260C)
MSA-SW37A-091421	9/14/2021	0950	SW	Water	3		x
MSA-SW37B-091421	9/14/2021	0953	SW	Water	3		x
MSA-SW37C-091421	9/14/2021	0955	SW	Water	3		x
MSA-SW37D-091421	9/14/2021	0958	SW	Water	3		x
MSA-SW38A-091421	9/14/2021	0907	SW	Water	3		x
MSA-SW38B-091421	9/14/2021	0911	SW	Water	3		x
MSA-SW38C-091421	9/14/2021	0913	SW	Water	3		x
MSA-SW38D-091421	9/14/2021	0915	SW	Water	3		x
MSA-SW40A-091421	9/14/2021	0923	SW	Water	3		x
MSA-SW40B-091421	9/14/2021	0927	SW	Water	3		x
MSA-SW40C-091421	9/14/2021	0930	SW	Water	3		x
MSA-SW40D-091421	9/14/2021	0932	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:
[signature]	Tetra Tech	9/14/21 1420	[signature]	TestAmerica	9/14/21 1420
Relinquished by: [signature]	Company: TestAmerica	Date/Time: 9/14/21 1700	Received by: [signature]	Company: TA	Date/Time: 9-15-21 1045
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: 9/14/2021	COC No:
Tetra Tech	Tel/Fax: 410-279-2700	Lab Contact: John McFadden	Carrier: Fedex	2 of 3 COCs
20251 Century Blvd, Suite 200	Analysis Turnaround Time			Job No.
Germantown, MD 20874	Calendar (C) or Work Days (W) ____			
(301) 528-3021 Phone	TAT if different from Below: STANDARD			SDG No.
(301) 528-3000 FAX	☐ 2 weeks			
Project Name: MSA Surface Water Sampling	☐ 1 week			Sampler: J Mullis
Site: MSA Frog Mortar Creek	☐ 2 days			
PO #1179752, 112IC09343	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	VOCs + Freon 113/22 + TiC (8260C)	Sample Specific Notes:
MSA-SW41A-091421	9/14/2021	0852	SW	Water	3		x	
MSA-SW41B-091421	9/14/2021	0855	SW	Water	3		x	
MSA-SW41C-091421	9/14/2021	0857	SW	Water	3		x	
MSA-SW41D-091421	9/14/2021	0900	SW	Water	3		x	
MSA-SW42A-091421	9/14/2021	0939	SW	Water	3		x	
MSA-SW42B-091421	9/14/2021	0942	SW	Water	3		x	
MSA-SW42C-091421	9/14/2021	0944	SW	Water	3		x	
MSA-SW42D-091421	9/14/2021	0946	SW	Water	3		x	
MSA-SW43A-091421	9/14/2021	0835	SW	Water	3		x	
MSA-SW43B-091421	9/14/2021	0838	SW	Water	3		x	
MSA-SW43C-091421	9/14/2021	0841	SW	Water	3		x	
MSA-SW43D-091421	9/14/2021	0844	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	9/14/21 1730		Pace	9/14/21 1430
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Pace	9/14/21 1700		TA	9-15-21 1045
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: 9/14/2021	COC No:
Tetra Tech	Tel/Fax: 410-279-2700	Lab Contact: John McFadden	Carrier: Fedex	3 of 3 COCs
20251 Century Blvd, Suite 200	Analysis Turnaround Time			Job No.
Germantown, MD 20874	Calendar (C) or Work Days (W) _____			
(301) 528-3021 Phone	TAT if different from Below: STANDARD			
(301) 528-3000 FAX	☐ 2 weeks			SDG No.
Project Name: MSA Surface Water Sampling	☐ 1 week			
Site: MSA Frog Mortar Creek	☐ 2 days			
PO #1179752, 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-091421	9/14/2021	0820	SW	Water	3		x	
MSA-SW44B-091421	9/14/2021	0827	SW	Water	3		x	
MSA-SW44C-091421	9/14/2021	0830	SW	Water	3		x	
MSA-SW44D-091421	9/14/2021	0832	SW	Water	3		x	
TB-091421	9/14/2021	0000	SW	Water	2		x	
MSA-SW46A-091421	9/14/2021	0937	SW	Water	3		x	
MSA-SW47A-091421	9/14/2021	0918	SW	Water	3		x	
MSA-SW48A-091421	9/14/2021	0903	SW	Water	3		x	
MSA-SW49A-091421	9/14/2021	0847	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:
[signature]	Tetra Tech	9/14/21/1430	[signature]	BTABalt	9/14/21 1430
[signature]	BTABalt	9/14/21 1700	[signature]	TA	9-15-21 1045

Form No. CA-C-WI-002, Rev. 2, dated 03/06/2012

Eurofins TestAmerica Canton Sample Receipt Form/Narrative **Login # : 15C133**
Canton Facility

Client Tetra Tech Site Name _____ Cooler unpacked by: Brandon

Cooler Received on 9-15-21 Opened on 9-15-21

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. 4.0 °C Corrected Cooler Temp. 4.1 °C

IR GUN #IR-12 (CF +0.2°C) Observed Cooler Temp. _____ °C Corrected Cooler Temp. _____ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity _____	(Yes)	No
-Were the seals on the outside of the cooler(s) signed & dated?	(Yes)	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	(No)
-Were tamper/custody seals intact and uncompromised?	(Yes)	No NA
3. Shippers' packing slip attached to the cooler(s)?	(Yes)	No
4. Did custody papers accompany the sample(s)?	(Yes)	No
5. Were the custody papers relinquished & signed in the appropriate place?	(Yes)	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	(Yes)	No
7. Did all bottles arrive in good condition (Unbroken)?	(Yes)	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	(Yes)	No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp(Y/N)?	(Y)	N
10. Were correct bottle(s) used for the test(s) indicated?	(Yes)	No
11. Sufficient quantity received to perform indicated analyses?	(Yes)	No
12. Are these work share samples and all listed on the COC?	Yes	(No)
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	Yes No	(NA) pH Strip Lot# **HC157842**
14. Were VOAs on the COC?	(Yes)	No
15. Were air bubbles >6 mm in any VOA vials? ● ⬅ Larger than this.	(Yes)	No NA
16. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot # _____	(Yes)	No
17. Was a LL Hg or Me Hg trip blank present? _____	Yes	(No)

Tests that are not checked for pH by Receiving:
VOAs
Oil and Grease
TOC

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page

Samples processed by:

19. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) MSA-SW38D-091421 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: _____

APPENDIX C—CHEMICAL-RESULTS DATA TABLE

Table C-1
Chemical-Results Data Table - September 2021
Frog Mortar Creek, Martin State Airport
Middle River, Maryland

LOCATION	MSA-SW37A	MSA-SW37B	MSA-SW37C
SAMPLE ID	MSA-SW37A-091421	MSA-SW37B-091421	MSA-SW37C-091421
SAMPLE DATE	20210914	20210914	20210914
Volatile organic compounds (µg/L)			
1,1,1,2-TETRACHLOROETHANE	0.43 U	0.43 U	0.43 U
1,1,1-TRICHLOROETHANE	0.48 U	0.48 U	0.48 U
1,1,2,2-TETRACHLOROETHANE	0.6 U	0.6 U	0.6 U
1,1,2-TRICHLOROTRIFLUOROETHANE	0.41 U	0.41 U	0.41 U
1,1-DICHLOROETHANE	0.47 U	0.47 U	0.47 U
1,1-DICHLOROETHENE	0.49 U	0.49 U	0.49 U
1,1-DICHLOROPROPENE	0.36 U	0.36 U	0.36 U
1,2,3-TRICHLOROBENZENE	0.54 U	0.54 U	0.54 U
1,2,3-TRICHLOROPROPANE	0.52 U	0.52 U	0.52 U
1,2,3-TRIMETHYLBENZENE	0.31 U	0.31 U	0.31 U
1,2,4-TRICHLOROBENZENE	0.77 U	0.77 U	0.77 U
1,2,4-TRIMETHYLBENZENE	0.52 U	0.52 U	0.52 U
1,2-DIBROMO-3-CHLOROPROPANE	0.91 U	0.91 U	0.91 U
1,2-DIBROMOETHANE	0.41 U	0.41 U	0.41 U
1,2-DICHLOROBENZENE	0.48 U	0.48 U	0.48 U
1,2-DICHLOROETHANE	0.21 U	0.21 U	0.21 U
1,2-DICHLOROPROPANE	0.47 U	0.47 U	0.47 U
1,3-DICHLOROBENZENE	0.45 U	0.45 U	0.45 U
1,3-DICHLOROPROPANE	0.21 U	0.21 U	0.21 U
1,4-DICHLOROBENZENE	0.41 U	0.41 U	0.41 U
2,2-DICHLOROPROPANE	0.78 UJ	0.78 UJ	0.78 UJ
2-BUTANONE	1.2 U	1.2 U	1.2 U
2-CHLOROETHYL VINYL ETHER	1.5 UR	1.5 UR	1.5 UR
2-CHLOROTOLUENE	0.57 U	0.57 U	0.57 U
2-HEXANONE	1.1 U	1.1 U	1.1 U
4-CHLOROTOLUENE	0.43 U	0.43 U	0.43 U
4-ISOPROPYLTOLUENE	0.56 U	0.56 U	0.56 U
4-METHYL-2-PENTANONE	0.99 U	0.99 U	0.99 U
ACETONE	5.4 U	5.4 U	5.4 U
BENZENE	0.42 U	0.42 U	0.42 U
BROMOBENZENE	0.5 U	0.5 U	0.5 U
BROMOCHLOROMETHANE	0.54 U	0.54 U	0.54 U
BROMODICHLOROMETHANE	0.17 U	0.17 U	0.17 U
BROMOFORM	0.76 U	0.76 U	0.76 U
BROMOMETHANE	0.42 U	0.42 U	0.42 U
CARBON DISULFIDE	0.59 U	0.59 U	0.59 U
CARBON TETRACHLORIDE	0.26 U	0.26 U	0.26 U
CHLOROBENZENE	0.38 U	0.38 U	0.38 U
CHLORODIBROMOMETHANE	0.39 U	0.39 U	0.39 U
CHLORODIFLUOROMETHANE	1 UJ	1 UJ	1 UJ
CHLOROETHANE	0.83 U	0.83 U	0.83 U
CHLOROFORM	0.47 U	0.47 U	0.47 U
CHLOROMETHANE	0.63 U	0.63 U	0.63 U
CIS-1,2-DICHLOROETHENE	0.46 U	0.46 U	0.46 U
CIS-1,3-DICHLOROPROPENE	0.61 U	0.61 U	0.61 U
DIBROMOMETHANE	0.4 U	0.4 U	0.4 U
DICHLORODIFLUOROMETHANE	0.35 U	0.35 U	0.35 U
DIISOPROPYL ETHER	0.17 U	0.17 U	0.17 U
ETHYL TERT-BUTYL ETHER	0.4 U	0.4 U	0.4 U
ETHYLBENZENE	0.42 U	0.42 U	0.42 U
HEXACHLOROBUTADIENE	0.83 U	0.83 U	0.83 U
ISOPROPYLBENZENE	0.49 U	0.49 U	0.49 U
M+P-XYLENES	0.42 U	0.42 U	0.42 U
METHYL TERT-BUTYL ETHER	0.47 U	0.47 U	0.47 U
METHYLENE CHLORIDE	2.6 U	2.6 U	2.6 U
NAPHTHALENE	0.8 U	0.8 U	0.8 U
N-BUTYLBENZENE	0.6 U	0.6 U	0.6 U
N-PROPYLBENZENE	0.57 U	0.57 U	0.57 U
O-XYLENE	0.42 U	0.42 U	0.42 U
SEC-BUTYLBENZENE	0.53 U	0.53 U	0.53 U
STYRENE	0.45 U	0.45 U	0.45 U
TERT-AMYL METHYL ETHER	0.43 U	0.43 U	0.43 U
TERT-BUTYLBENZENE	0.48 U	0.48 U	0.48 U
TERTIARY-BUTYL ALCOHOL	7.2 UJ	7.2 UJ	7.2 UJ
TETRACHLOROETHENE	0.44 U	0.44 U	0.44 U
TOLUENE	0.44 U	0.44 U	0.44 U
TOTAL XYLENES	0.42 U	0.42 U	0.42 U
TRANS-1,2-DICHLOROETHENE	0.51 U	0.51 U	0.51 U
TRANS-1,3-DICHLOROPROPENE	0.67 U	0.67 U	0.67 U
TRICHLOROETHENE	0.44 U	0.44 U	0.44 U
TRICHLOROFLUOROMETHANE	0.45 U	0.45 U	0.45 U
VINYL ACETATE	0.61 U	0.61 U	0.61 U
VINYL CHLORIDE	0.45 U	0.45 U	0.45 U

J - estimated concentration
MSA - Martin State Airport
R - rejected data
SW - surface water
U - not detected
µg/L - micrograms per liter

Table C-1
Chemical-Results Data Table - September 2021
Frog Mortar Creek, Martin State Airport
Middle River, Maryland

LOCATION	MSA-SW37D	MSA-SW38A	MSA-SW38B
SAMPLE ID	MSA-SW37D-091421	MSA-SW38A-091421	MSA-SW38B-091421
SAMPLE DATE	20210914	20210914	20210914
Volatile organic compounds (µg/L)			
1,1,1,2-TETRACHLOROETHANE	0.43 U	0.43 U	0.43 U
1,1,1-TRICHLOROETHANE	0.48 U	0.48 U	0.48 U
1,1,2,2-TETRACHLOROETHANE	0.6 U	0.6 U	0.6 U
1,1,2-TRICHLOROTRIFLUOROETHANE	0.41 U	0.41 U	0.41 U
1,1-DICHLOROETHANE	0.47 U	0.47 U	0.47 U
1,1-DICHLOROETHENE	0.49 U	0.49 U	0.49 U
1,1-DICHLOROPROPENE	0.36 U	0.36 U	0.36 U
1,2,3-TRICHLOROBENZENE	0.54 U	0.54 U	0.54 U
1,2,3-TRICHLOROPROPANE	0.52 U	0.52 U	0.52 U
1,2,3-TRIMETHYLBENZENE	0.31 U	0.31 U	0.31 U
1,2,4-TRICHLOROBENZENE	0.77 U	0.77 U	0.77 U
1,2,4-TRIMETHYLBENZENE	0.52 U	0.52 U	0.52 U
1,2-DIBROMO-3-CHLOROPROPANE	0.91 U	0.91 U	0.91 U
1,2-DIBROMOETHANE	0.41 U	0.41 U	0.41 U
1,2-DICHLOROBENZENE	0.48 U	0.48 U	0.48 U
1,2-DICHLOROETHANE	0.21 U	0.21 U	0.21 U
1,2-DICHLOROPROPANE	0.47 U	0.47 U	0.47 U
1,3-DICHLOROBENZENE	0.45 U	0.45 U	0.45 U
1,3-DICHLOROPROPANE	0.21 U	0.21 U	0.21 U
1,4-DICHLOROBENZENE	0.41 U	0.41 U	0.41 U
2,2-DICHLOROPROPANE	0.78 UJ	0.78 UJ	0.78 UJ
2-BUTANONE	1.2 U	1.2 U	1.2 U
2-CHLOROETHYL VINYL ETHER	1.5 UR	1.5 UR	1.5 UR
2-CHLOROTOLUENE	0.57 U	0.57 U	0.57 U
2-HEXANONE	1.1 U	1.1 U	1.1 U
4-CHLOROTOLUENE	0.43 U	0.43 U	0.43 U
4-ISOPROPYLTOLUENE	0.56 U	0.56 U	0.56 U
4-METHYL-2-PENTANONE	0.99 U	0.99 U	0.99 U
ACETONE	5.4 U	5.4 U	5.4 U
BENZENE	0.42 U	0.42 U	0.42 U
BROMOBENZENE	0.5 U	0.5 U	0.5 U
BROMOCHLOROMETHANE	0.54 U	0.54 U	0.54 U
BROMODICHLOROMETHANE	0.17 U	0.17 U	0.17 U
BROMOFORM	0.76 U	0.76 U	0.76 U
BROMOMETHANE	0.42 U	0.42 U	0.42 U
CARBON DISULFIDE	0.59 U	0.59 U	0.59 U
CARBON TETRACHLORIDE	0.26 U	0.26 U	0.26 U
CHLOROBENZENE	0.38 U	0.38 U	0.38 U
CHLORODIBROMOMETHANE	0.39 U	0.39 U	0.39 U
CHLORODIFLUOROMETHANE	1 UJ	1 UJ	1 UJ
CHLOROETHANE	0.83 U	0.83 U	0.83 U
CHLOROFORM	0.47 U	0.47 U	0.47 U
CHLOROMETHANE	0.63 U	0.63 U	0.63 U
CIS-1,2-DICHLOROETHENE	0.46 U	0.46 U	0.46 U
CIS-1,3-DICHLOROPROPENE	0.61 U	0.61 U	0.61 U
DIBROMOMETHANE	0.4 U	0.4 U	0.4 U
DICHLORODIFLUOROMETHANE	0.35 U	0.35 U	0.35 U
DIISOPROPYL ETHER	0.17 U	0.17 U	0.17 U
ETHYL TERT-BUTYL ETHER	0.4 U	0.4 U	0.4 U
ETHYLBENZENE	0.42 U	0.42 U	0.42 U
HEXACHLOROBUTADIENE	0.83 U	0.83 U	0.83 U
ISOPROPYLBENZENE	0.49 U	0.49 U	0.49 U
M+P-XYLENES	0.42 U	0.42 U	0.42 U
METHYL TERT-BUTYL ETHER	0.47 U	0.47 U	0.47 U
METHYLENE CHLORIDE	2.6 U	2.6 U	2.6 U
NAPHTHALENE	0.8 U	0.8 U	0.8 U
N-BUTYLBENZENE	0.6 U	0.6 U	0.6 U
N-PROPYLBENZENE	0.57 U	0.57 U	0.57 U
O-XYLENE	0.42 U	0.42 U	0.42 U
SEC-BUTYLBENZENE	0.53 U	0.53 U	0.53 U
STYRENE	0.45 U	0.45 U	0.45 U
TERT-AMYL METHYL ETHER	0.43 U	0.43 U	0.43 U
TERT-BUTYLBENZENE	0.48 U	0.48 U	0.48 U
TERTIARY-BUTYL ALCOHOL	7.2 UJ	7.2 UJ	7.2 UJ
TETRACHLOROETHENE	0.44 U	0.44 U	0.44 U
TOLUENE	0.44 U	0.44 U	0.44 U
TOTAL XYLENES	0.42 U	0.42 U	0.42 U
TRANS-1,2-DICHLOROETHENE	0.51 U	0.51 U	0.51 U
TRANS-1,3-DICHLOROPROPENE	0.67 U	0.67 U	0.67 U
TRICHLOROETHENE	0.44 U	0.44 U	0.44 U
TRICHLOROFLUOROMETHANE	0.45 U	0.45 U	0.45 U
VINYL ACETATE	0.61 U	0.61 U	0.61 U
VINYL CHLORIDE	0.45 U	0.45 U	0.45 U

J - estimated concentration
MSA - Martin State Airport
R - rejected data
SW - surface water
U - not detected
µg/L - micrograms per liter

Table C-1
Chemical-Results Data Table - September 2021
Frog Mortar Creek, Martin State Airport
Middle River, Maryland

LOCATION	MSA-SW38C	MSA-SW38D	MSA-SW40A
SAMPLE ID	MSA-SW38C-091421	MSA-SW38D-091421	MSA-SW40A-091421
SAMPLE DATE	20210914	20210914	20210914
Volatile organic compounds (µg/L)			
1,1,1,2-TETRACHLOROETHANE	0.43 U	0.43 U	0.43 U
1,1,1-TRICHLOROETHANE	0.48 U	0.48 U	0.48 U
1,1,2,2-TETRACHLOROETHANE	0.6 U	0.6 U	0.6 U
1,1,2-TRICHLOROTRIFLUOROETHANE	0.41 U	0.41 U	0.41 U
1,1-DICHLOROETHANE	0.47 U	0.47 U	0.47 U
1,1-DICHLOROETHENE	0.49 U	0.49 U	0.49 U
1,1-DICHLOROPROPENE	0.36 U	0.36 U	0.36 U
1,2,3-TRICHLOROBENZENE	0.54 U	0.54 U	0.54 U
1,2,3-TRICHLOROPROPANE	0.52 U	0.52 U	0.52 U
1,2,3-TRIMETHYLBENZENE	0.31 U	0.31 U	0.31 U
1,2,4-TRICHLOROBENZENE	0.77 U	0.77 U	0.77 U
1,2,4-TRIMETHYLBENZENE	0.52 U	0.52 U	0.52 U
1,2-DIBROMO-3-CHLOROPROPANE	0.91 U	0.91 U	0.91 U
1,2-DIBROMOETHANE	0.41 U	0.41 U	0.41 U
1,2-DICHLOROBENZENE	0.48 U	0.48 U	0.48 U
1,2-DICHLOROETHANE	0.21 U	0.21 U	0.21 U
1,2-DICHLOROPROPANE	0.47 U	0.47 U	0.47 U
1,3-DICHLOROBENZENE	0.45 U	0.45 U	0.45 U
1,3-DICHLOROPROPANE	0.21 U	0.21 U	0.21 U
1,4-DICHLOROBENZENE	0.41 U	0.41 U	0.41 U
2,2-DICHLOROPROPANE	0.78 UJ	0.78 UJ	0.78 UJ
2-BUTANONE	1.2 U	1.2 U	1.2 U
2-CHLOROETHYL VINYL ETHER	1.5 UR	1.5 UR	1.5 UR
2-CHLOROTOLUENE	0.57 U	0.57 U	0.57 U
2-HEXANONE	1.1 U	1.1 U	1.1 U
4-CHLOROTOLUENE	0.43 U	0.43 U	0.43 U
4-ISOPROPYLTOLUENE	0.56 U	0.56 U	0.56 U
4-METHYL-2-PENTANONE	0.99 U	0.99 U	0.99 U
ACETONE	5.4 U	5.4 U	5.4 U
BENZENE	0.42 U	0.42 U	0.42 U
BROMOBENZENE	0.5 U	0.5 U	0.5 U
BROMOCHLOROMETHANE	0.54 U	0.54 U	0.54 U
BROMODICHLOROMETHANE	0.17 U	0.17 U	0.17 U
BROMOFORM	0.76 U	0.76 U	0.76 U
BROMOMETHANE	0.42 U	0.42 U	0.42 U
CARBON DISULFIDE	0.59 U	0.59 U	0.59 U
CARBON TETRACHLORIDE	0.26 U	0.26 U	0.26 U
CHLOROBENZENE	0.38 U	0.38 U	0.38 U
CHLORODIBROMOMETHANE	0.39 U	0.39 U	0.39 U
CHLORODIFLUOROMETHANE	1 UJ	1 UJ	1 UJ
CHLOROETHANE	0.83 U	0.83 U	0.83 U
CHLOROFORM	0.47 U	0.47 U	0.47 U
CHLOROMETHANE	0.63 U	0.63 U	0.63 U
CIS-1,2-DICHLOROETHENE	0.46 U	0.46 U	0.46 U
CIS-1,3-DICHLOROPROPENE	0.61 U	0.61 U	0.61 U
DIBROMOMETHANE	0.4 U	0.4 U	0.4 U
DICHLORODIFLUOROMETHANE	0.35 U	0.35 U	0.35 U
DIISOPROPYL ETHER	0.17 U	0.17 U	0.17 U
ETHYL TERT-BUTYL ETHER	0.4 U	0.4 U	0.4 U
ETHYLBENZENE	0.42 U	0.42 U	0.42 U
HEXACHLOROBUTADIENE	0.83 U	0.83 U	0.83 U
ISOPROPYLBENZENE	0.49 U	0.49 U	0.49 U
M+P-XYLENES	0.42 U	0.42 U	0.42 U
METHYL TERT-BUTYL ETHER	0.47 U	0.47 U	0.47 U
METHYLENE CHLORIDE	2.6 U	2.6 U	2.6 U
NAPHTHALENE	0.8 U	0.8 U	0.8 U
N-BUTYLBENZENE	0.6 U	0.6 U	0.6 U
N-PROPYLBENZENE	0.57 U	0.57 U	0.57 U
O-XYLENE	0.42 U	0.42 U	0.42 U
SEC-BUTYLBENZENE	0.53 U	0.53 U	0.53 U
STYRENE	0.45 U	0.45 U	0.45 U
TERT-AMYL METHYL ETHER	0.43 U	0.43 U	0.43 U
TERT-BUTYLBENZENE	0.48 U	0.48 U	0.48 U
TERTIARY-BUTYL ALCOHOL	7.2 UJ	7.2 UJ	7.2 UJ
TETRACHLOROETHENE	0.44 U	0.44 U	0.44 U
TOLUENE	0.44 U	0.44 U	0.44 U
TOTAL XYLENES	0.42 U	0.42 U	0.42 U
TRANS-1,2-DICHLOROETHENE	0.51 U	0.51 U	0.51 U
TRANS-1,3-DICHLOROPROPENE	0.67 U	0.67 U	0.67 U
TRICHLOROETHENE	0.44 U	0.44 U	0.44 U
TRICHLOROFLUOROMETHANE	0.45 U	0.45 U	0.45 U
VINYL ACETATE	0.61 U	0.61 U	0.61 U
VINYL CHLORIDE	0.45 U	0.45 U	0.45 U

J - estimated concentration
MSA - Martin State Airport
R - rejected data
SW - surface water
U - not detected
µg/L - micrograms per liter

Table C-1
Chemical-Results Data Table - September 2021
Frog Mortar Creek, Martin State Airport
Middle River, Maryland

LOCATION	MSA-SW40B	MSA-SW40C	MSA-SW40D	MSA-SW41A	MSA-SW41B
SAMPLE ID	MSA-SW40B-091421	MSA-SW40C-091421	MSA-SW40D-091421	MSA-SW41A-091421	MSA-SW41B-091421
SAMPLE DATE	20210914	20210914	20210914	20210914	20210914
Volatile organic compounds (µg/L)					
1,1,1,2-TETRACHLOROETHANE	0.43 U	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	0.48 U
1,1,2,2-TETRACHLOROETHANE	0.6 U	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	0.41 U
1,1-DICHLOROETHANE	0.47 U	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	0.49 U
1,1-DICHLOROPROPENE	0.36 U	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	0.54 U
1,2,3-TRICHLOROPROPANE	0.52 U	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	0.31 U
1,2,4-TRICHLOROBENZENE	0.77 U	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	0.52 U
1,2-DIBROMO-3-CHLOROPROPANE	0.91 U	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	0.41 U
1,2-DICHLOROBENZENE	0.48 U	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	0.21 U
1,2-DICHLOROPROPANE	0.47 U	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	0.45 U
1,3-DICHLOROPROPANE	0.21 U	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	0.41 U
2,2-DICHLOROPROPANE	0.78 UJ	0.78 UJ	0.78 UJ	0.78 UJ	0.78 UJ
2-BUTANONE	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
2-CHLOROETHYL VINYL ETHER	1.5 UR	1.5 UR	1.5 UR	1.5 UR	1.5 UR
2-CHLOROTOLUENE	0.57 U	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	1.1 U
4-CHLOROTOLUENE	0.43 U	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	0.56 U
4-METHYL-2-PENTANONE	0.99 U	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	5.4 U
BENZENE	0.42 U	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	0.5 U
BROMOCHLOROMETHANE	0.54 U	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	0.17 U
BROMOFORM	0.76 U	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	0.42 U
CARBON DISULFIDE	0.59 U	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	0.26 U
CHLOROBENZENE	0.38 U	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	0.39 U
CHLORODIFLUOROMETHANE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
CHLOROETHANE	0.83 U	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	0.47 U
CHLOROMETHANE	0.63 U	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	0.46 U
CIS-1,3-DICHLOROPROPENE	0.61 U	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	0.4 U
DICHLORODIFLUOROMETHANE	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
DIISOPROPYL ETHER	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
ETHYL TERT-BUTYL ETHER	0.4 U	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	0.42 U
HEXACHLOROBUTADIENE	0.83 U	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	0.49 U
M+P-XYLENES	0.42 U	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	0.47 U
METHYLENE CHLORIDE	2.6 U	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	0.8 U
N-BUTYLBENZENE	0.6 U	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	0.57 U
O-XYLENE	0.42 U	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	0.53 U
STYRENE	0.45 U	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	0.43 U
TERT-BUTYLBENZENE	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
TERTIARY-BUTYL ALCOHOL	7.2 UJ	7.2 UJ	7.2 UJ	7.2 UJ	7.2 UJ
TETRACHLOROETHENE	0.44 U	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	0.44 U
TOTAL XYLENES	0.42 U	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	0.51 U
TRANS-1,3-DICHLOROPROPENE	0.67 U	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	0.44 U
TRICHLOROFLUOROMETHANE	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
VINYL ACETATE	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
VINYL CHLORIDE	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U

J - estimated concentration
MSA - Martin State Airport
R - rejected data
SW - surface water
U - not detected
µg/L - micrograms per liter

Table C-1
Chemical-Results Data Table - September 2021
Frog Mortar Creek, Martin State Airport
Middle River, Maryland

LOCATION	MSA-SW41C	MSA-SW41D	MSA-SW42A	MSA-SW42B	MSA-SW42C
SAMPLE ID	MSA-SW41C-091421	MSA-SW41D-091421	MSA-SW42A-091421	MSA-SW42B-091421	MSA-SW42C-091421
SAMPLE DATE	20210914	20210914	20210914	20210914	20210914
Volatile organic compounds (µg/L)					
1,1,1,2-TETRACHLOROETHANE	0.43 U	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	0.48 U
1,1,2,2-TETRACHLOROETHANE	0.6 U	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	0.41 U
1,1-DICHLOROETHANE	0.47 U	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	0.49 U
1,1-DICHLOROPROPENE	0.36 U	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	0.54 U
1,2,3-TRICHLOROPROPANE	0.52 U	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	0.31 U
1,2,4-TRICHLOROBENZENE	0.77 U	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	0.52 U
1,2-DIBROMO-3-CHLOROPROPANE	0.91 U	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	0.41 U
1,2-DICHLOROBENZENE	0.48 U	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	0.21 U
1,2-DICHLOROPROPANE	0.47 U	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	0.45 U
1,3-DICHLOROPROPANE	0.21 U	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	0.41 U
2,2-DICHLOROPROPANE	0.78 UJ	0.78 UJ	0.78 U	0.78 U	0.78 U
2-BUTANONE	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
2-CHLOROETHYL VINYL ETHER	1.5 UR	1.5 UR	1.5 UR	1.5 UR	1.5 UR
2-CHLOROTOLUENE	0.57 U	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	1.1 U
4-CHLOROTOLUENE	0.43 U	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	0.56 U
4-METHYL-2-PENTANONE	0.99 U	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	5.4 U
BENZENE	0.42 U	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	0.5 U
BROMOCHLOROMETHANE	0.54 U	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	0.17 U
BROMOFORM	0.76 U	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	0.42 U
CARBON DISULFIDE	0.59 U	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	0.26 U
CHLOROBENZENE	0.38 U	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	0.39 U
CHLORODIFLUOROMETHANE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
CHLOROETHANE	0.83 U	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	0.47 U
CHLOROMETHANE	0.63 U	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	0.46 U
CIS-1,3-DICHLOROPROPENE	0.61 U	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	0.4 U
DICHLORODIFLUOROMETHANE	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
DIISOPROPYL ETHER	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
ETHYL TERT-BUTYL ETHER	0.4 U	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	0.42 U
HEXACHLOROBUTADIENE	0.83 U	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	0.49 U
M+P-XYLENES	0.42 U	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	0.47 U
METHYLENE CHLORIDE	2.6 U	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	0.8 U
N-BUTYLBENZENE	0.6 U	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	0.57 U
O-XYLENE	0.42 U	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	0.53 U
STYRENE	0.45 U	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	0.43 U
TERT-BUTYLBENZENE	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
TERTIARY-BUTYL ALCOHOL	7.2 UJ	7.2 UJ	7.2 UJ	7.2 UJ	7.2 UJ
TETRACHLOROETHENE	0.44 U	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	0.44 U
TOTAL XYLENES	0.42 U	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	0.51 U
TRANS-1,3-DICHLOROPROPENE	0.67 U	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	0.44 U
TRICHLOROFLUOROMETHANE	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
VINYL ACETATE	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
VINYL CHLORIDE	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U

J - estimated concentration
MSA - Martin State Airport
R - rejected data
SW - surface water
U - not detected
µg/L - micrograms per liter

Table C-1
Chemical-Results Data Table - September 2021
Frog Mortar Creek, Martin State Airport
Middle River, Maryland

LOCATION	MSA-SW42D	MSA-SW43A	MSA-SW43B	MSA-SW43C	MSA-SW43D
SAMPLE ID	MSA-SW42D-091421	MSA-SW43A-091421	MSA-SW43B-091421	MSA-SW43C-091421	MSA-SW43D-091421
SAMPLE DATE	20210914	20210914	20210914	20210914	20210914
Volatile organic compounds (µg/L)					
1,1,1,2-TETRACHLOROETHANE	0.43 U	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	0.48 U
1,1,2,2-TETRACHLOROETHANE	0.6 U	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	0.41 U
1,1-DICHLOROETHANE	0.47 U	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	0.49 U
1,1-DICHLOROPROPENE	0.36 U	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	0.54 U
1,2,3-TRICHLOROPROPANE	0.52 U	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	0.31 U
1,2,4-TRICHLOROBENZENE	0.77 U	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	0.52 U
1,2-DIBROMO-3-CHLOROPROPANE	0.91 U	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	0.41 U
1,2-DICHLOROBENZENE	0.48 U	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	0.21 U
1,2-DICHLOROPROPANE	0.47 U	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	0.45 U
1,3-DICHLOROPROPANE	0.21 U	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	0.41 U
2,2-DICHLOROPROPANE	0.78 U	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	1.2 U
2-CHLOROETHYL VINYL ETHER	1.5 UR	1.5 UR	1.5 UR	1.5 UR	1.5 UR
2-CHLOROTOLUENE	0.57 U	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	1.1 U
4-CHLOROTOLUENE	0.43 U	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	0.56 U
4-METHYL-2-PENTANONE	0.99 U	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	5.4 U
BENZENE	0.42 U	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	0.5 U
BROMOCHLOROMETHANE	0.54 U	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	0.17 U
BROMOFORM	0.76 U	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	0.42 U
CARBON DISULFIDE	0.59 U	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	0.26 U
CHLOROBENZENE	0.38 U	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	0.39 U
CHLORODIFLUOROMETHANE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
CHLOROETHANE	0.83 U	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	0.47 U
CHLOROMETHANE	0.63 U	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	0.46 U
CIS-1,3-DICHLOROPROPENE	0.61 U	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	0.4 U
DICHLORODIFLUOROMETHANE	0.35 U	0.35 U	0.35 U	0.35 U	0.35 U
DIISOPROPYL ETHER	0.17 U	0.17 U	0.17 U	0.17 U	0.17 U
ETHYL TERT-BUTYL ETHER	0.4 U	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	0.42 U
HEXACHLOROBUTADIENE	0.83 U	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	0.49 U
M+P-XYLENES	0.42 U	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	0.47 U
METHYLENE CHLORIDE	2.6 U	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	0.8 U
N-BUTYLBENZENE	0.6 U	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	0.57 U
O-XYLENE	0.42 U	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	0.53 U
STYRENE	0.45 U	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	0.43 U
TERT-BUTYLBENZENE	0.48 U	0.48 U	0.48 U	0.48 U	0.48 U
TERTIARY-BUTYL ALCOHOL	7.2 UJ	7.2 UJ	7.2 UJ	7.2 UJ	7.2 UJ
TETRACHLOROETHENE	0.44 U	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	0.44 U
TOTAL XYLENES	0.42 U	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	0.51 U
TRANS-1,3-DICHLOROPROPENE	0.67 U	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	0.44 U
TRICHLOROFLUOROMETHANE	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U
VINYL ACETATE	0.61 U	0.61 U	0.61 U	0.61 U	0.61 U
VINYL CHLORIDE	0.45 U	0.45 U	0.45 U	0.45 U	0.45 U

J - estimated concentration
MSA - Martin State Airport
R - rejected data
SW - surface water
U - not detected
µg/L - micrograms per liter

Table C-1
Chemical-Results Data Table - September 2021
Frog Mortar Creek, Martin State Airport
Middle River, Maryland

LOCATION	MSA-SW44A	MSA-SW44B	MSA-SW44C	MSA-SW44D
SAMPLE ID	MSA-SW44A-091421	MSA-SW44B-091421	MSA-SW44C-091421	MSA-SW44D-091421
SAMPLE DATE	20210914	20210914	20210914	20210914
Volatile organic compounds (µg/L)				
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	1.5 UR	1.5 UR	1.5 UR
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
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	1 UJ	1 UJ	1 UJ
CHLOROETHANE	0.83 U	0.83 U	0.83 U	0.83 U
CHLOROFORM	0.47 U	0.47 U	0.47 U	0.47 U
CHLOROMETHANE	0.63 U	0.63 U	0.63 U	0.63 U
CIS-1,2-DICHLOROETHENE	0.46 U	0.46 U	0.46 U	0.46 U
CIS-1,3-DICHLOROPROPENE	0.61 U	0.61 U	0.61 U	0.61 U
DIBROMOMETHANE	0.4 U	0.4 U	0.4 U	0.4 U
DICHLORODIFLUOROMETHANE	0.35 U	0.35 U	0.35 U	0.35 U
DIISOPROPYL ETHER	0.17 U	0.17 U	0.17 U	0.17 U
ETHYL TERT-BUTYL ETHER	0.4 U	0.4 U	0.4 U	0.4 U
ETHYLBENZENE	0.42 U	0.42 U	0.42 U	0.42 U
HEXACHLOROBUTADIENE	0.83 U	0.83 U	0.83 U	0.83 U
ISOPROPYLBENZENE	0.49 U	0.49 U	0.49 U	0.49 U
M+P-XYLENES	0.42 U	0.42 U	0.42 U	0.42 U
METHYL TERT-BUTYL ETHER	0.47 U	0.47 U	0.47 U	0.47 U
METHYLENE CHLORIDE	2.6 U	2.6 U	2.6 U	2.6 U
NAPHTHALENE	0.8 U	0.8 U	0.8 U	0.8 U
N-BUTYLBENZENE	0.6 U	0.6 U	0.6 U	0.6 U
N-PROPYLBENZENE	0.57 U	0.57 U	0.57 U	0.57 U
O-XYLENE	0.42 U	0.42 U	0.42 U	0.42 U
SEC-BUTYLBENZENE	0.53 U	0.53 U	0.53 U	0.53 U
STYRENE	0.45 U	0.45 U	0.45 U	0.45 U
TERT-AMYL METHYL ETHER	0.43 U	0.43 U	0.43 U	0.43 U
TERT-BUTYLBENZENE	0.48 U	0.48 U	0.48 U	0.48 U
TERTIARY-BUTYL ALCOHOL	7.2 UJ	7.2 UJ	7.2 UJ	7.2 UJ
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
TRICHLOROFLUOROMETHANE	0.45 U	0.45 U	0.45 U	0.45 U
VINYL ACETATE	0.61 U	0.61 U	0.61 U	0.61 U
VINYL CHLORIDE	0.45 U	0.45 U	0.45 U	0.45 U

J - estimated concentration
MSA - Martin State Airport
R - rejected data
SW - surface water
U - not detected
µg/L - micrograms per liter

Table C-1
Chemical-Results Data Table - September 2021
Frog Mortar Creek, Martin State Airport
Middle River, Maryland

LOCATION	MSA-SW46A	MSA-SW47A	MSA-SW48A	MSA-SW49A
SAMPLE ID	MSA-SW46A-091421	MSA-SW47A-091421	MSA-SW48A-091421	MSA-SW49A-091421
SAMPLE DATE	20210914	20210914	20210914	20210914
Volatile organic compounds (µg/L)				
1,1,1,2-TETRACHLOROETHANE	0.43 U	0.43 U	0.43 U	0.43 U
1,1,1-TRICHLOROETHANE	0.48 U	0.48 U	0.48 U	0.48 U
1,1,2,2-TETRACHLOROETHANE	0.6 U	0.6 U	0.6 U	0.6 U
1,1,2-TRICHLOROTRIFLUOROETHANE	0.41 U	0.41 U	0.41 U	0.41 U
1,1-DICHLOROETHANE	0.47 U	0.47 U	0.47 U	0.47 U
1,1-DICHLOROETHENE	0.49 U	0.49 U	0.49 U	0.49 U
1,1-DICHLOROPROPENE	0.36 U	0.36 U	0.36 U	0.36 U
1,2,3-TRICHLOROBENZENE	0.54 U	0.54 U	0.54 U	0.54 U
1,2,3-TRICHLOROPROPANE	0.52 U	0.52 U	0.52 U	0.52 U
1,2,3-TRIMETHYLBENZENE	0.31 U	0.31 U	0.31 U	0.31 U
1,2,4-TRICHLOROBENZENE	0.77 U	0.77 U	0.77 U	0.77 U
1,2,4-TRIMETHYLBENZENE	0.52 U	0.52 U	0.52 U	0.52 U
1,2-DIBROMO-3-CHLOROPROPANE	0.91 U	0.91 U	0.91 U	0.91 U
1,2-DIBROMOETHANE	0.41 U	0.41 U	0.41 U	0.41 U
1,2-DICHLOROBENZENE	0.48 U	0.48 U	0.48 U	0.48 U
1,2-DICHLOROETHANE	0.21 U	0.21 U	0.21 U	0.21 U
1,2-DICHLOROPROPANE	0.47 U	0.47 U	0.47 U	0.47 U
1,3-DICHLOROBENZENE	0.45 U	0.45 U	0.45 U	0.45 U
1,3-DICHLOROPROPANE	0.21 U	0.21 U	0.21 U	0.21 U
1,4-DICHLOROBENZENE	0.41 U	0.41 U	0.41 U	0.41 U
2,2-DICHLOROPROPANE	0.78 UJ	0.78 UJ	0.78 UJ	0.78 UJ
2-BUTANONE	1.2 U	1.2 U	1.2 U	1.2 U
2-CHLOROETHYL VINYL ETHER	1.5 UR	1.5 UR	1.5 UR	1.5 UR
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
CARBON DISULFIDE	0.59 U	0.59 U	0.59 U	0.59 U
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CHLOROBENZENE	0.38 U	0.38 U	0.38 U	0.38 U
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CHLORODIFLUOROMETHANE	1 UJ	1 UJ	1 UJ	1 UJ
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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	7.2 UJ	7.2 UJ	7.2 UJ
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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
TRICHLOROFLUOROMETHANE	0.45 U	0.45 U	0.45 U	0.45 U
VINYL ACETATE	0.61 U	0.61 U	0.61 U	0.61 U
VINYL CHLORIDE	0.45 U	0.45 U	0.45 U	0.45 U

J - estimated concentration
MSA - Martin State Airport
R - rejected data
SW - surface water
U - not detected
µg/L - micrograms per liter