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January 3, 2023

VIA EMAIL AND PRIVATE CARRIER

Anuradha Mohanty
Land and Materials Administration
Maryland Department of the Environment
1800 Washington Boulevard, Suite: 625
Baltimore, Maryland 21230

Subject: Transmittal of the Technical Memorandum: August 2022 Surface Water Sampling Results for Frog Mortar Creek
Martin State Airport, 701 Wilson Point Road
Middle River, Maryland

Dear Ms. Mohanty,

For your information, please find enclosed two hard copies of the above-referenced document. This technical memorandum presents the August 2022 sampling results for surface water samples collected in Frog Mortar Creek adjacent to the Dump Road Area Martin State Airport 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
Project Lead
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TECHNICAL MEMORANDUM: AUGUST 2022 SURFACE WATER SAMPLING RESULTS FOR FROG MORTAR CREEK MARTIN STATE AIRPORT 701 WILSON POINT ROAD MIDDLE RIVER, MARYLAND

Prepared for:
Lockheed Martin Corporation

Prepared by:
Tetra Tech, Inc.

January 2023

Approved by:

Revision: 0

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ACRONYMS AND ABBREVIATIONS

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

Tetra Tech	Tetra Tech, Inc.
TIC	tentatively identified compound
USEPA	United States Environmental Protection Agency
VC	vinyl chloride
VOC	volatile organic compound

SECTION 1
INTRODUCTION

On behalf of Lockheed Martin Corporation (Lockheed Martin), Tetra Tech, Inc., (Tetra Tech) has prepared this technical memorandum presenting August 2022 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 *2022 Frog Mortar Creek Surface Water Sampling Work Plan* (Tetra Tech, 2022a). This technical memorandum presents the analytical results for surface water samples collected from Frog Mortar Creek on August 22, 2022.

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 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 *2021 Surface Water Sampling Report for Frog Mortar Creek* (Tetra Tech, 2022b), and therefore are not repeated herein.

SECTION 3
INVESTIGATION APPROACH AND METHODOLOGY

Previous surface-water sampling data for Frog Mortar Creek support the need for ongoing monitoring to assess the extent to which surface water is affected by groundwater discharged from the Dump Road Area (DRA). The August 2022 data supports this ongoing effort and will also be used to assess the effectiveness of the groundwater extraction, containment, and treatment system. The chlorinated volatile organic compounds (cVOCs) trichloroethene (TCE), *cis*-1,2-dichloroethene (*cis*-1,2-DCE), and vinyl chloride (VC), and several metals, have previously been detected in Frog Mortar Creek surface water samples at concentrations exceeding ecological and/or human health screening-criteria; these analytes have also been detected in groundwater at the DRA.

Detected chemical concentrations in surface water obtained from Frog Mortar Creek were evaluated by comparing them to United States Environmental Protection Agency (USEPA) or Maryland screening levels and site-specific screening levels. These screening criteria include USEPA national recommended water quality criteria (NRWQC), Maryland ambient water quality criteria (AWQC), USEPA Biological Technical Advisory Group (BTAG) surface water screening-benchmarks, and site-specific screening levels for swimming developed by Lockheed Martin Corporation (Lockheed Martin). The August 2022 sampling is the third of four surface-water sampling rounds planned for 2022, and assessed water quality during the swimming season, when increased recreational use of Frog Mortar Creek is expected.

Note that in the discussion below, all sampling locations share the "MSA-" prefix (e.g., "SW39" refers to transect MSA-SW39). This prefix is not included in the text below to increase readability.

3.1 SURFACE WATER SAMPLING

3.1.1 Surface Water Sampling and Chemical Analyses

Twenty-eight surface water samples were collected from Frog Mortar Creek adjacent to the DRA site on August 22, 2022. Sampling locations are shown in Figure 3-1. Four samples were collected along each of six transects spaced approximately 350 feet apart along the western shoreline of the creek; these transects are designated SW37, SW38, SW40, SW41, SW42, and SW43. Four additional western-shore samples (SW46A, SW47A, SW48A, and SW49A) were collected at near-shore locations between transects SW42 and SW40, SW40 and SW38, SW38 and SW41, and SW41 and SW43 (respectively), for a total of 28 surface water samples.

Historically, the northernmost transect (SW39) and the southernmost transect (SW45) were also sampled but were removed from the sampling program in 2020; these transects were located north of the northernmost (SW37) and south of the southernmost (SW43) transects sampled in 2022 (Figure 3-1). Sampling of southern transect SW44 and the Edwards Lane transect (located on the eastern shore of Frog Mortar Creek) was discontinued after 2021. These locations were removed from the sampling program, with Maryland Department of the Environment (MDE) approval, because cVOCs and other analytes of concern had not been detected in surface water since the December sampling episodes in both 2018 (for SW39 and SW45) and 2019 (for Edwards Lane and SW44), and because the remaining transects cover the extent of the groundwater contaminant plume emanating from the DRA.

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 for August 2022. Samples from the six western shoreline transects (SW37, SW38, SW40, SW41, SW42, and SW43), 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). Sampling information was documented on sample log sheets (see Appendix A).

Historically, western shoreline samples were also analyzed for hexavalent chromium and dissolved metals. In agreement with MDE Land Restoration Program (LRP), and because hexavalent chromium was not detected during sampling rounds conducted in 2018 or 2019, hexavalent chromium and dissolved metals were removed from the sampling program in 2020.

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. Water depth measurements were also obtained from the staff gauge at 3301 Edwards Lane before sampling (1.07 meters [3.5 feet] at 1105 hours) and after sampling (0.94 meters [3.1 feet] at 1256 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.

In accordance with the approved work plan (Tetra Tech, 2022a), 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. One equipment blank sample was also collected (from the discrete-interval sampler) for VOC analysis using laboratory supplied deionized water, per the quality assurance project plan (Tetra Tech, 2021).

3.1.2 Documentation

A master site logbook was maintained as an overall record of site field activities. Sample documentation includes completed chain of custody forms and surface water-specific sample log-sheets. Chain of custody forms are standardized to summarize and document pertinent sample information, such as sample identification and type, matrix, date and time of collection, preservation, and the analysis requested. Sample-custody procedures document sample acquisition and integrity. August 2022 log sheets for surface water samples are in Appendix A. Chain of custody forms, the data-validation report, and the full laboratory report are in Appendix B (on compact disc).

3.1.3 Sample Nomenclature and Handling

Surface water samples collected from western shoreline transects are identified with a unique sample-identification tag. Surface water samples are labeled with an "MSA-SW" prefix, followed by the sample transect number, the profile location ("A," "B," "C," or "D"), and the six-digit sampling date. For example, the surface water sample collected on August 22, 2022, from MSA-SW37A is labeled "MSA-SW37A-082222." The trip blank is labeled with a "TB" prefix followed by the sample's six-digit submittal date (e.g., TB-082222), and the equipment blank is labeled with an "MSA-SWEQB" prefix followed by the sample's six-digit submittal date (e.g., MSA-SWEQB-082222).

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, 2020) 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

Samples collected from the locations shown on Figure 3-1 were analyzed for volatile organic compounds (VOCs), including fuel-related compounds such as benzene, toluene, ethylbenzene, and xylenes (BTEX) and tentatively identified compounds (TICs). However, no VOCs were detected in the surface water samples collected from Frog Mortar Creek in August 2022. When VOCs were historically detected, validated chemical data from the Frog Mortar Creek surface water samples were used to generate a statistical summary table and a table summarizing positive detections of chemical analytes, but since no VOCs were detected, only a comparison table (Table 4-1) showing trichloroethene (TCE), *cis*-1,2-dichloroethene (*cis*-1,2-DCE), and vinyl chloride (VC) results from the August 2021, July 2022, and August 2022 sampling rounds was generated for this reporting period.

When historically detected, 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.

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

Nondetect results were reported for both the trip and equipment blanks during this August 2022 sampling event. Since all VOC samples were acid-preserved, 2-chloroethyl vinyl ether could not be reliably recovered and results for this analyte were qualified as rejected (UR). A tentatively identified compound search was performed for chlorodifluoromethane, but it was not detected above its reporting limit, and non-detected results were qualified as estimated (UJ). Percent differences measured during VOC continuing calibrations performed on laboratory instruments exceeded quality control limits and affected several samples; nondetect results for these affected samples and analytes were qualified as estimated (UJ). These issues are described as minor in the data validation report (Appendix B), and the data generated for this August 2022 sampling episode are acceptable for their intended use.

4.2.1 Trichloroethene Results

As shown on Table 4-1, TCE was not detected at all sampled locations in August 2022, July 2022, and August 2021. These results are consistent with the decreasing trend of TCE observed in Frog Mortar Creek since March 2019. TCE was last detected at SW49A (0.71 micrograms per liter [µg/L]) in March 2021; the detected concentration was more than one order of magnitude (10 times) lower than the lowest screening level for TCE, the MDE-approved site-specific screening level for swimming (10 µ/L). This March 2021 TCE detection was the only round in

which TCE was detected in 2021. When detected in previous rounds, TCE tended to decrease with increasing distance from the shore.

4.2.2 *cis*-1,2-Dichloroethene Results

cis-1,2-DCE was also not detected at all sampled locations in August 2022, July 2022, and August 2021 (Table 4-1). *cis*-1,2-DCE was last detected in March 2021, at 16 of 32 (or 50%) of sampled locations, but at concentrations more than two orders of magnitude (or 100 times) below its lowest (site-specific swimming) screening level (300 µg/L), ranging from 0.16 µg/L (SW43B) to 2.2 µg/L (SW49A). 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, as observed at transect SW42 in March 2021, with concentrations of 1.4 µg/L (SW42A), 0.55 µg/L (SW42B), 0.55 µg/L (SW42C), and 0.31 µg/L (SW42D). The August 2022 results are consistent with the decreasing trend of *cis*-1,2-DCE observed in Frog Mortar Creek since the groundwater treatment system began operation.

4.2.3 Vinyl Chloride Results

VC was also not detected at all sampled locations in August 2022, July 2022, and August 2021. VC was last detected in December 2021, at four locations ranging from 1 µg/L (SW42C) to 2.4 µg/L (SW46A); all four concentrations were above the site-specific swimming screening level of 0.7 µg/L. When detected in previous rounds, VC distributions in the higher concentration transects tended to decrease with increasing distance from the shore, as occurred in December 2021 in transect SW42, at SW42A (1.9 µg/L), SW42B (1.2 µg/L) and SW42C (1 µg/L).

4.2.4 Tentatively Identified Compound Results

A tentatively identified compounds (TIC) search was performed for the analyte chlorodifluoromethane, but it was not detected above the reporting limit (1 µg/L) in any of the samples analyzed.

SECTION 5
SUMMARY

The Lockheed Martin Corporation August 2022 Frog Mortar Creek surface-water investigation results are summarized below:

- Twenty-eight surface water samples were collected on August 22, 2022, 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 six transects spaced approximately 350 feet apart (for 24 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 28 samples.
- Samples collected in August 2022 from Frog Mortar Creek were analyzed for volatile organic compounds (VOCs) by USEPA SW846 Method 8260.
- 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, 2020), 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 August 2022 sampling round.

- No other volatile organic compounds were detected in August 2022.
- The next surface water sampling event will occur in September 2022.

SECTION 6
REFERENCES

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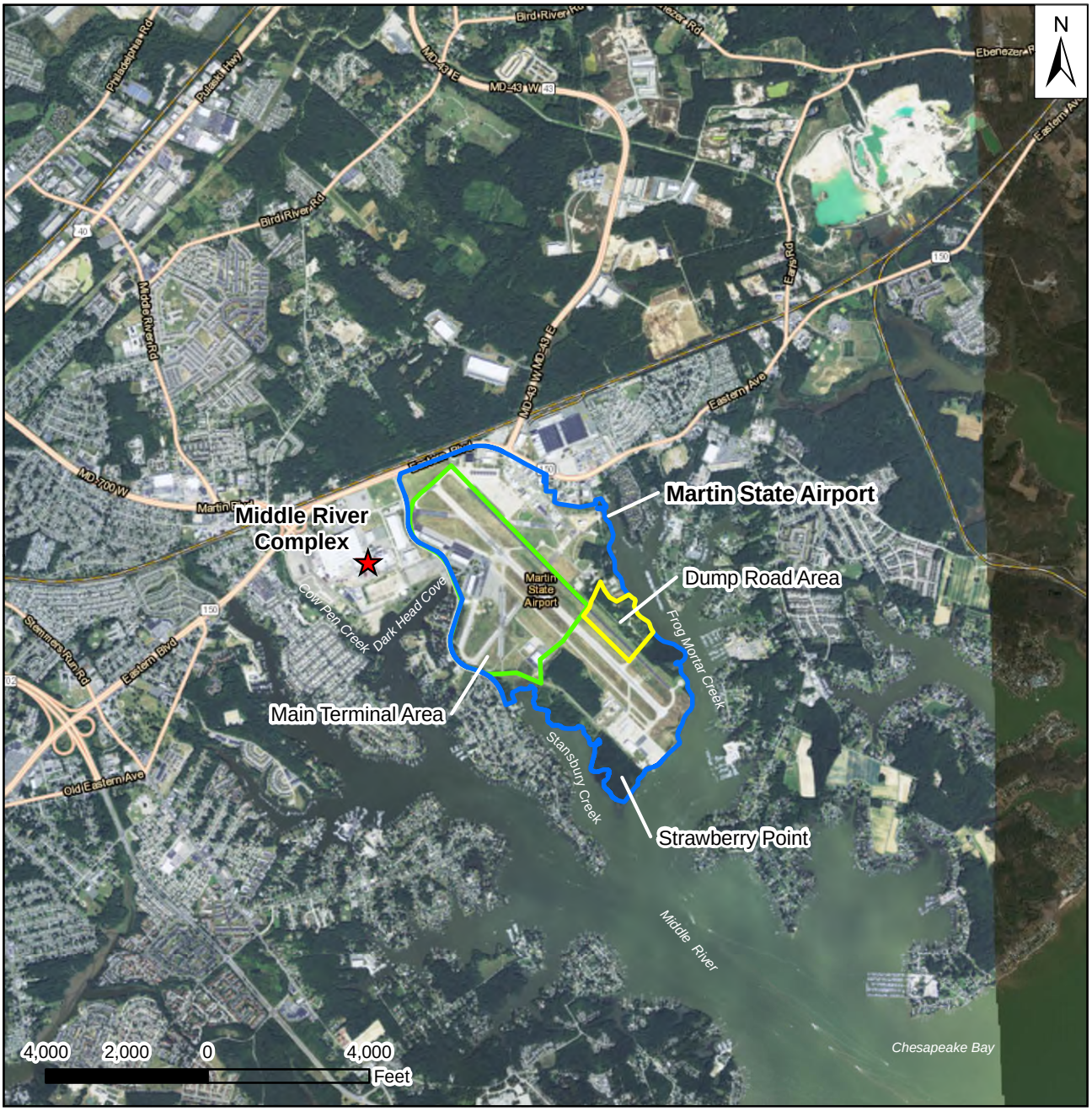
FIGURES



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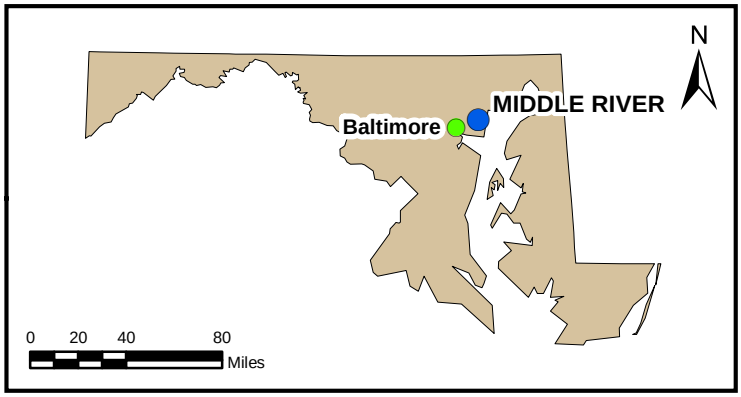


FIGURE 1-1

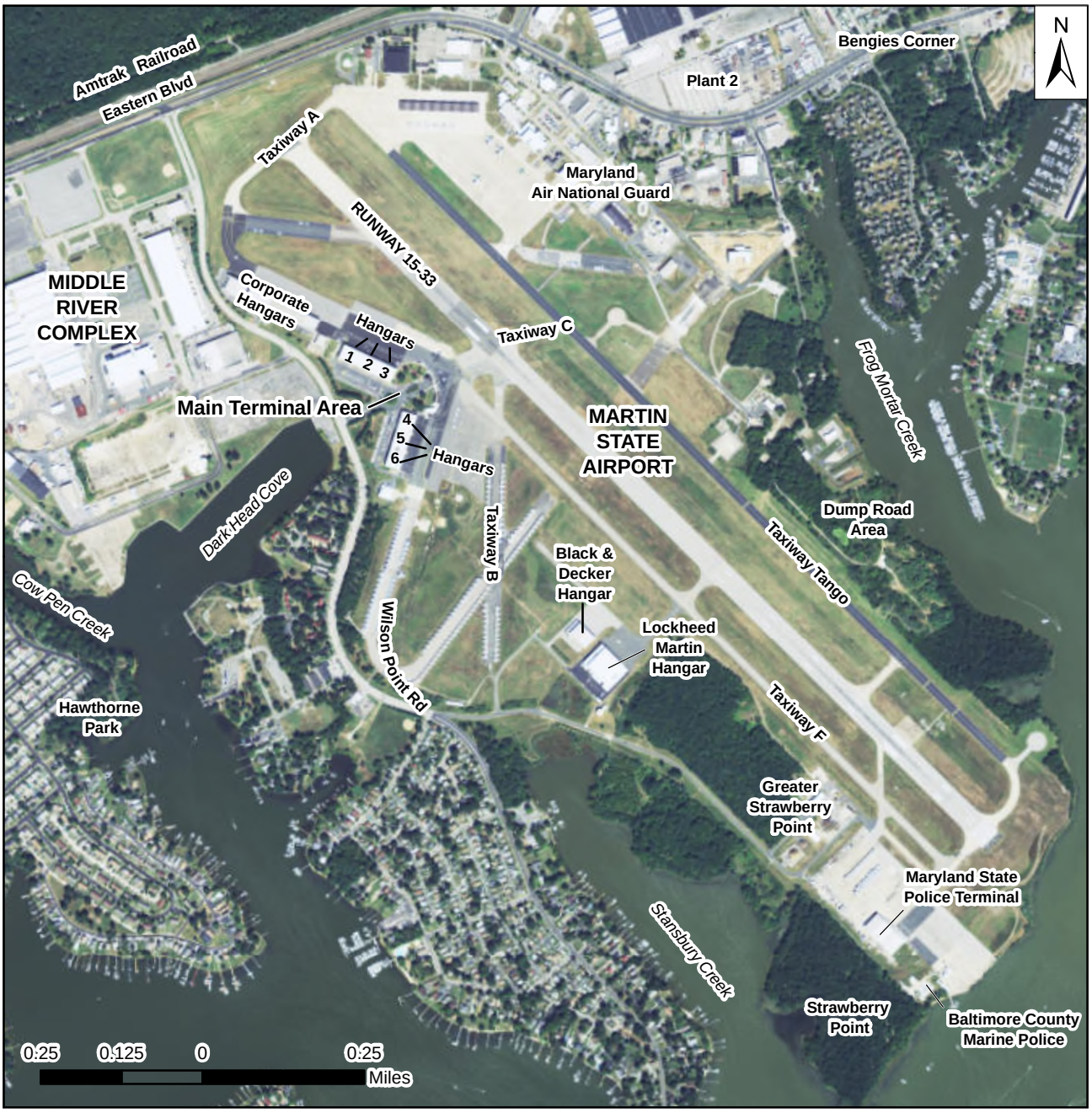
MARTIN STATE AIRPORT
SITE LOCATION MAP

Lockheed Martin, Martin State Airport
Middle River, Maryland

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

TETRA TECH

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



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

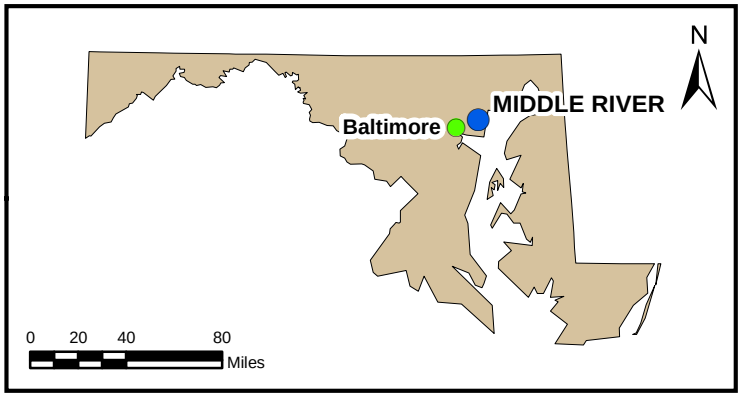


FIGURE 2-1

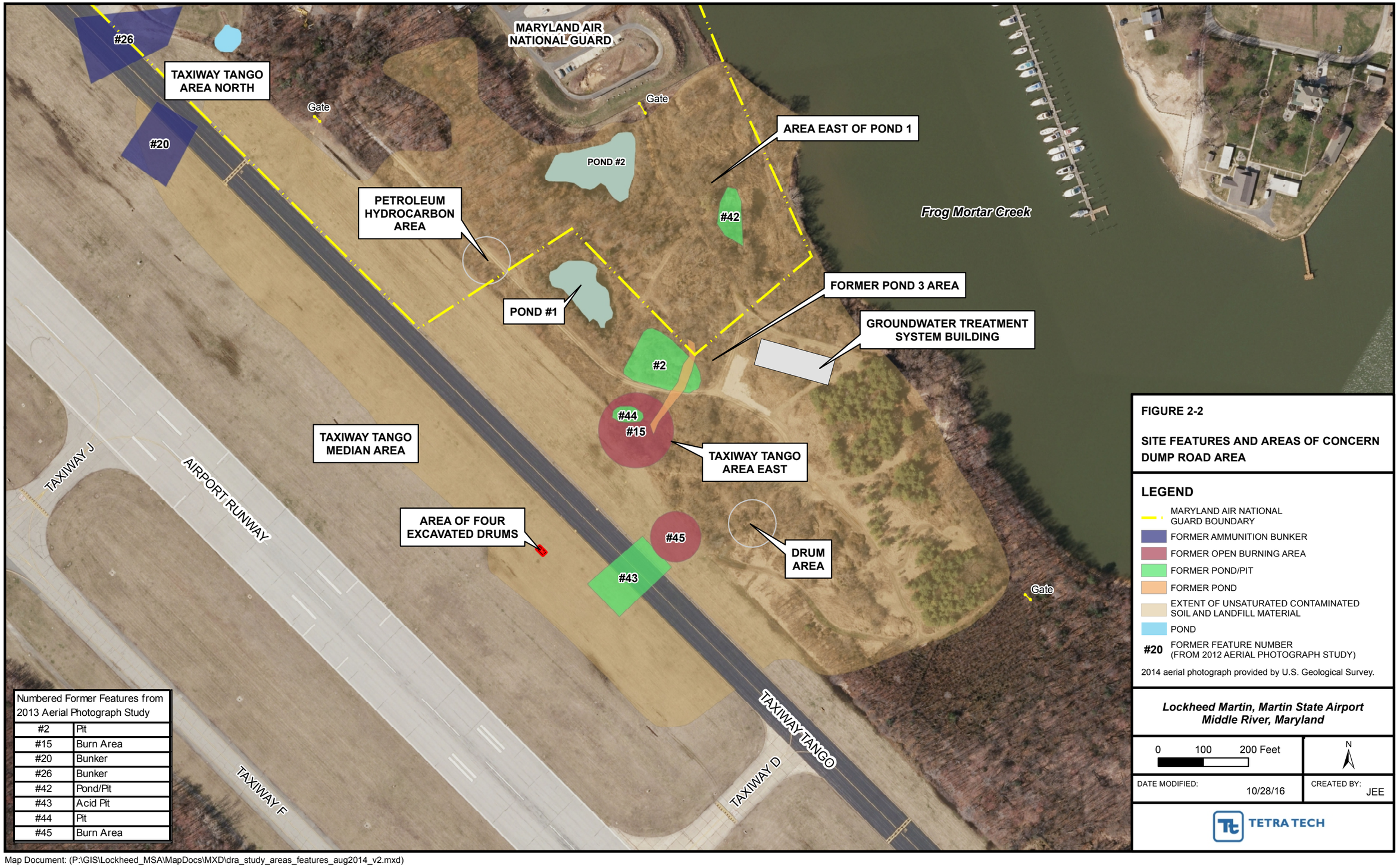
MARTIN STATE AIRPORT AND SURROUNDING FEATURES

Lockheed Martin, Martin State Airport
Middle River, Maryland

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

TETRA TECH

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



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

FIGURE 2-2

SITE FEATURES AND AREAS OF CONCERN DUMP ROAD AREA

LEGEND

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

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

Lockheed Martin, Martin State Airport
Middle River, Maryland

0 100 200 Feet

N

DATE MODIFIED: 10/28/16

CREATED BY: JEE

TETRA TECH

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

FIGURE 3-1

2022 SURFACE WATER SAMPLING LOCATIONS, FROG MORTAR CREEK

LEGEND

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

2017 aerial photograph provided by the State of Maryland.

Lockheed Martin, Martin State Airport
Middle River, Maryland

0 150 300 Feet

N

DATE MODIFIED: 06/15/22

EDITTED BY: LMW

TETRA TECH

Map Document: (K:\Patrick\GIS\Lockheed_MSA\MapDocs\MXDs\fmc_sw_samplocs_prop2022.mxd)
09/03/21 -- PFO

TABLES

Table 3-1 List of Samples and Chemical Analyses for Surface Water— August 2022

Table 4-1 Comparison of Primary Volatile Organic Compound Results Detected in Surface Water for the August 2021, July 2022, August 2022 Sampling Rounds

Table 3-1
List of Samples and Chemical Analyses for Surface Water—August 2022
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-SW46	✓
MSA-SW47	✓
MSA-SW48	✓
MSA-SW49	✓

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.

mL – milliliter

USEPA – United States Environmental Protection Agency

Table 4-1
Comparison of Primary Volatile Organic Compound Results Detected in Surface Water in the August 2021, July 2022, and August 2022 Sampling Rounds
Frog Mortar Creek, Martin State Airport
Middle River, Maryland

Location ID	Trichloroethene concentrations (µg/L)			*cis* -1,2-Dichloroethene concentrations (µg/L)			Vinyl chloride concentrations (µg/L)		
	August 17, 2021	July 6, 2022	August 22, 2022	August 17, 2021	July 6, 2022	August 22, 2022	August 17, 2021	July 6, 2022	August 22, 2022
Average-Detections	--	--	--	--	--	--	--	--	--
Average-All Samples[1]	**0.05**	**0.22**	**0.22**	**0.08**	**0.23**	**0.23**	**0.1**	**0.225**	**0.22**
Maximum Concentration	--	--	--	--	--	--	--	--	--
No. of Detections/Samples[2]	**0/32**	**0/28**	**0/28**	**0/32**	**0/28**	**0/28**	**0/32**	**0/28**	**0/28**
LOCATION ID									
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	--	NS	NS	--	NS	NS	--	NS	NS
MSA-SW44B	--	NS	NS	--	NS	NS	--	NS	NS
MSA-SW44C	--	NS	NS	--	NS	NS	--	NS	NS
MSA-SW44D	--	NS	NS	--	NS	NS	--	NS	NS
MSA-SW46A	--	--	--	--	--	--	--	--	--
MSA-SW47A	--	--	--	--	--	--	--	--	--
MSA-SW48A	--	--	--	--	--	--	--	--	--
MSA-SW49A	--	--	--		--	--	--	--	--

1 - Averages were calculated using 1/2 sample quantitation limit (for nondetects) and 1/2 the detection limit (for B-qualified data).
2 - The number of samples collected per round decreased from 32 to 28 starting in March 2022.
Bold font indicates detected concentration exceeded its lowest screening criterion.
-- - 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—Final Analytical Data August 2022

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

Water Quality Field Parameters-August 2022
Frog Mortar Creek
Lockheed Martin, Martin State Airport, Middle River, Maryland

Sample ID		Date	Time	pH	Specific conductance	Temperature	Turbidity	Dissolved oxygen	Salinity	Oxidation-reduction potential	Water depth
Location	Date ID	(month/day/year)	(24-hour)	(standard units)	(milliSiemens per centimeter)	degrees Celsius	(nephelometric turbidity units)	(milligrams per liter)	(parts per thousand)	(milllivolts)	(feet)
MSA-SW37A	-082222	08/22/2022	1240	7.71	7.26	29.71	9.62	4.99	4	162	1.8
MSA-SW37B	-082222	08/22/2022	1242	7.74	7.26	29.74	11.5	5.04	4	173	3.8
MSA-SW37C	-082222	08/22/2022	1244	7.82	7.27	29.82	9.84	5.22	4	176	5.5
MSA-SW37D	-082222	08/22/2022	1247	7.78	7.28	29.87	7.67	5.06	4	180	>6
MSA-SW38A	-082222	08/22/2022	1153	7.66	7.33	29.34	7.84	4.86	4	192	2.1
MSA-SW38B	-082222	08/22/2022	1155	7.66	7.32	29.36	8.44	4.79	4	193	4.9
MSA-SW38C	-082222	08/22/2022	1158	7.65	7.33	29.35	8.91	4.22	4	193	5.2
MSA-SW38D	-082222	08/22/2022	1200	7.65	7.34	29.32	9.12	4.84	4	190	>6
MSA-SW40A	-082222	08/22/2022	1211	7.83	7.26	29.42	6.94	5.3	4	177	2
MSA-SW40B	-082222	08/22/2022	1214	7.62	7.24	29.39	10.6	4.78	4	186	3.1
MSA-SW40C	-082222	08/22/2022	1217	7.6	7.25	29.39	9.9	4.69	4	185	4.4
MSA-SW40D	-082222	08/22/2022	1220	7.65	7.32	29.46	8.8	4.86	4	182	>6
MSA-SW41A	-082222	08/22/2022	1134	7.62	7.33	29.35	8.21	4.94	4	189	2.7
MSA-SW41B	-082222	08/22/2022	1138	7.66	7.33	29.34	8.27	4.96	4	192	4
MSA-SW41C	-082222	08/22/2022	1140	7.66	7.34	29.32	9.19	4.97	4	194	5.7
MSA-SW41D	-082222	08/22/2022	1143	7.64	7.36	29.3	9.1	4.85	4	196	>6
MSA-SW42A	-082222	08/22/2022	1226	7.62	7.24	29.57	9.41	4.85	4	178	2.4
MSA-SW42B	-082222	08/22/2022	1228	7.67	7.27	29.67	10.7	4.79	4	178	4.4
MSA-SW42C	-082222	08/22/2022	1231	7.72	7.28	29.66	8.68	4.84	4	182	5.7
MSA-SW42D	-082222	08/22/2022	1235	7.74	7.28	29.7	8.97	5.12	4	177	>6
MSA-SW43A	-082222	08/22/2022	1112	7.54	7.4	29.01	10.6	5.14	4.1	166	2.2
MSA-SW43B	-082222	08/22/2022	1117	7.61	7.38	29.32	7.46	4.8	4.1	178	3.2
MSA-SW43C	-082222	08/22/2022	1119	7.6	7.37	29.34	6.42	4.88	4.1	188	5.2
MSA-SW43D	-082222	08/22/2022	1125	7.6	7.4	29.27	8.12	4.85	4.1	189	>6
MSA-SW46A	-082222	08/22/2022	1222	7.59	7.25	29.47	9.91	4.59	4	174	2.6
MSA-SW47A	-082222	08/22/2022	1205	7.64	7.33	29.32	7.13	4.76	4	180	2.2
MSA-SW48A	-082222	08/22/2022	1148	7.65	7.32	29.33	8.33	4.81	4	194	1.9
MSA-SW49A	-082222	08/22/2022	1130	7.6	7.39	29.27	7.75	4.69	4.1	186	2.9

SURFACE WATER SAMPLE LOG SHEET

TETRA TECH

Event: August 2022 Surface Water Sampling
Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09567

Sample ID:	MSA-SW37A - 082222	**Sampled By:**	Zach Musser
Sample Location:	MSA-SW37A	**Sample Date:**	22 August, 2022
QA/QC Duplicate ID:		**Sample Time:**	1240
MS/MSD Collected:	YES NO		

MATRIX / CONCENTRATION:

[ ] Stream **[ ] Pond** **[X] Low Concentration**
[ ] Spring **[ ] Lake** **[ ] High Concentration**
[X] Other (Tidal creek - freshwater)

SAMPLE DATA:

Method	Depth	Color	pH (S.U.)	S.C. (mS/cm)	Temp. (C°)	Turbidity (NTU)	DO (mg/L)	Salinity (% or ppt)	ORP (mV)	Other
Grab	1 ft below surface	clear	7.71	7.26	29.71	9.62	4.99	4	162	

ANALYSIS, PRESERVATION AND BOTTLE REQUIRMENTS

Analysis	Method	Preservative	Number	Vol.	Bottle Type	Collected
VOCs, TICs	USEPA SW846 Method 8260C	HCl pH<2	3	40 mL	glass	yes

OBSERVATIONS / NOTES:

Water depth = 1.8 feet

MAP:

Coordinates:	N	E

Signature(s): *Zach Musser*

SURFACE WATER SAMPLE LOG SHEET

TETRA TECH

Event:	August 2022 Surface Water Sampling
Project Site Name:	Frog Mortar Creek, Martin State Airport
Project No.:	112IC09567

Sample ID:	MSA-SW37B - 082222	**Sampled By:**	Zach Musser
Sample Location:	MSA-SW37B	**Sample Date:**	22 August, 2022
QA/QC Duplicate ID:		**Sample Time:**	1242
MS/MSD Collected:	YES NO		

MATRIX / CONCENTRATION:

[ ] Stream **[ ] Pond** **[X] Low Concentration**
[ ] Spring **[ ] Lake** **[ ] High Concentration**
[X] Other (Tidal creek - freshwater)

SAMPLE DATA:

Method	Depth	Color	pH (S.U.)	S.C. (mS/cm)	Temp. (C°)	Turbidity (NTU)	DO (mg/L)	Salinity (% or ppt)	ORP (mV)	Other
Grab	1 ft below surface	clear	7.74	7.26	29.74	11.5	5.04	4	173	

ANALYSIS, PRESERVATION AND BOTTLE REQUIRMENTS

Analysis	Method	Preservative	Number	Vol.	Bottle Type	Collected
VOCs, TICs	USEPA SW846 Method 8260C	HCl pH<2	3	40 mL	glass	yes

OBSERVATIONS / NOTES:

Water depth = 3.8 feet

MAP:

Coordinates:	N	E

Signature(s): *Zach Musser*

SURFACE WATER SAMPLE LOG SHEET

TETRA TECH

Event:	August 2022 Surface Water Sampling
Project Site Name:	Frog Mortar Creek, Martin State Airport
Project No.:	112IC09567

Sample ID:	MSA-SW37C - 082222	**Sampled By:**	Zach Musser
Sample Location:	MSA-SW37C	**Sample Date:**	22 August, 2022
QA/QC Duplicate ID:		**Sample Time:**	1244
MS/MSD Collected:	YES NO		

MATRIX / CONCENTRATION:

[ ] Stream **[ ] Pond** **[X] Low Concentration**
[ ] Spring **[ ] Lake** **[ ] High Concentration**
[X] Other (Tidal creek - freshwater)

SAMPLE DATA:

Method	Depth	Color	pH (S.U.)	S.C. (mS/cm)	Temp. (C°)	Turbidity (NTU)	DO (mg/L)	Salinity (% or ppt)	ORP (mV)	Other
Grab	1 ft below surface	clear	7.82	7.27	29.82	9.84	5.22	4	176	

ANALYSIS, PRESERVATION AND BOTTLE REQUIRMENTS

Analysis	Method	Preservative	Number	Vol.	Bottle Type	Collected
VOCs, TICs	USEPA SW846 Method 8260C	HCl pH<2	3	40 mL	glass	yes

OBSERVATIONS / NOTES:

Water depth = 5.5 feet

MAP:

Coordinates:	N	E

Signature(s): *Zach Musser*

SURFACE WATER SAMPLE LOG SHEET

TETRA TECH

Event:	August 2022 Surface Water Sampling
Project Site Name:	Frog Mortar Creek, Martin State Airport
Project No.:	112IC09567

Sample ID:	MSA-SW37D - 082222	**Sampled By:**	Zach Musser
Sample Location:	MSA-SW37D	**Sample Date:**	22 August, 2022
QA/QC Duplicate ID:		**Sample Time:**	1247
MS/MSD Collected:	YES NO		

MATRIX / CONCENTRATION:

[ ] Stream **[ ] Pond** **[X] Low Concentration**
[ ] Spring **[ ] Lake** **[ ] High Concentration**
[X] Other (Tidal creek - freshwater)

SAMPLE DATA:

Method	Depth	Color	pH (S.U.)	S.C. (mS/cm)	Temp. (C°)	Turbidity (NTU)	DO (mg/L)	Salinity (% or ppt)	ORP (mV)	Other
Grab	1 ft below surface	clear	7.78	7.28	29.87	7.67	5.06	4	180	

ANALYSIS, PRESERVATION AND BOTTLE REQUIRMENTS

Analysis	Method	Preservative	Number	Vol.	Bottle Type	Collected
VOCs, TICs	USEPA SW846 Method 8260C	HCl pH<2	3	40 mL	glass	yes

OBSERVATIONS / NOTES:

Water depth = >6 feet

MAP:

Coordinates:	N	E

Signature(s): *Zach Musser*

SURFACE WATER SAMPLE LOG SHEET

TETRA TECH

Event: August 2022 Surface Water Sampling
Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09567

Sample ID:	MSA-SW38A - 082222	**Sampled By:**	Zach Musser
Sample Location:	MSA-SW38A	**Sample Date:**	22 August, 2022
QA/QC Duplicate ID:		**Sample Time:**	1153
MS/MSD Collected:	YES NO		

MATRIX / CONCENTRATION:

[ ] Stream **[ ] Pond** **[X] Low Concentration**
[ ] Spring **[ ] Lake** **[ ] High Concentration**
[X] Other (Tidal creek - freshwater)

SAMPLE DATA:

Method	Depth	Color	pH (S.U.)	S.C. (mS/cm)	Temp. (C°)	Turbidity (NTU)	DO (mg/L)	Salinity (% or ppt)	ORP (mV)	Other
Grab	1 ft below surface	clear	7.66	7.33	29.34	7.84	4.86	4	192	

ANALYSIS, PRESERVATION AND BOTTLE REQUIRMENTS

Analysis	Method	Preservative	Number	Vol.	Bottle Type	Collected
VOCs, TICs	USEPA SW846 Method 8260C	HCl pH<2	3	40 mL	glass	yes

OBSERVATIONS / NOTES:

Water depth = 2.1 feet

MAP:

Coordinates:	N	E

Signature(s): *Zach Musser*

SURFACE WATER SAMPLE LOG SHEET

TETRA TECH

Event: August 2022 Surface Water Sampling
Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09567

Sample ID:	MSA-SW38B - 082222	**Sampled By:**	Zach Musser
Sample Location:	MSA-SW38B	**Sample Date:**	22 August, 2022
QA/QC Duplicate ID:		**Sample Time:**	1155
MS/MSD Collected:	YES NO		

MATRIX / CONCENTRATION:

[ ] Stream **[ ] Pond** **[X] Low Concentration**
[ ] Spring **[ ] Lake** **[ ] High Concentration**
[X] Other (Tidal creek - freshwater)

SAMPLE DATA:

Method	Depth	Color	pH (S.U.)	S.C. (mS/cm)	Temp. (C°)	Turbidity (NTU)	DO (mg/L)	Salinity (% or ppt)	ORP (mV)	Other
Grab	1 ft below surface	clear	7.66	7.32	29.36	8.44	4.79	4	193	

ANALYSIS, PRESERVATION AND BOTTLE REQUIRMENTS

Analysis	Method	Preservative	Number	Vol.	Bottle Type	Collected
VOCs, TICs	USEPA SW846 Method 8260C	HCl pH<2	3	40 mL	glass	yes

OBSERVATIONS / NOTES:

Water depth = 4.9 feet

MAP:

Coordinates:	N	E

Signature(s): *Zach Musser*

SURFACE WATER SAMPLE LOG SHEET

TETRA TECH

Event:	August 2022 Surface Water Sampling
Project Site Name:	Frog Mortar Creek, Martin State Airport
Project No.:	112IC09567

Sample ID:	MSA-SW38C - 082222	**Sampled By:**	Zach Musser
Sample Location:	MSA-SW38C	**Sample Date:**	22 August, 2022
QA/QC Duplicate ID:		**Sample Time:**	1158
MS/MSD Collected:	YES NO		

MATRIX / CONCENTRATION:

[ ] Stream **[ ] Pond** **[X] Low Concentration**
[ ] Spring **[ ] Lake** **[ ] High Concentration**
[X] Other (Tidal creek - freshwater)

SAMPLE DATA:

Method	Depth	Color	pH (S.U.)	S.C. (mS/cm)	Temp. (C°)	Turbidity (NTU)	DO (mg/L)	Salinity (% or ppt)	ORP (mV)	Other
Grab	1 ft below surface	clear	7.65	7.33	29.35	8.91	4.22	4	193	

ANALYSIS, PRESERVATION AND BOTTLE REQUIRMENTS

Analysis	Method	Preservative	Number	Vol.	Bottle Type	Collected
VOCs, TICs	USEPA SW846 Method 8260C	HCl pH<2	3	40 mL	glass	yes

OBSERVATIONS / NOTES:

Water depth = 5.2 feet

MAP:

Coordinates:	N	E

Signature(s): *Zach Musser*

SURFACE WATER SAMPLE LOG SHEET

TETRA TECH

Event:	August 2022 Surface Water Sampling
Project Site Name:	Frog Mortar Creek, Martin State Airport
Project No.:	112IC09567

Sample ID:	MSA-SW38D - 082222	**Sampled By:**	Zach Musser
Sample Location:	MSA-SW38D	**Sample Date:**	22 August, 2022
QA/QC Duplicate ID:		**Sample Time:**	1200
MS/MSD Collected:	YES NO		

MATRIX / CONCENTRATION:

[ ] Stream **[ ] Pond** **[X] Low Concentration**
[ ] Spring **[ ] Lake** **[ ] High Concentration**
[X] Other (Tidal creek - freshwater)

SAMPLE DATA:

Method	Depth	Color	pH (S.U.)	S.C. (mS/cm)	Temp. (C°)	Turbidity (NTU)	DO (mg/L)	Salinity (% or ppt)	ORP (mV)	Other
Grab	1 ft below surface	clear	7.65	7.34	29.32	9.12	4.84	4	190	

ANALYSIS, PRESERVATION AND BOTTLE REQUIRMENTS

Analysis	Method	Preservative	Number	Vol.	Bottle Type	Collected
VOCs, TICs	USEPA SW846 Method 8260C	HCl pH<2	3	40 mL	glass	yes

OBSERVATIONS / NOTES:

Water depth = >6 feet

MAP:

Coordinates:	N	E

Signature(s): *Zach Musser*

SURFACE WATER SAMPLE LOG SHEET

TETRA TECH

Event:	August 2022 Surface Water Sampling
Project Site Name:	Frog Mortar Creek, Martin State Airport
Project No.:	112IC09567

Sample ID:	MSA-SW40A - 082222	**Sampled By:**	Zach Musser
Sample Location:	MSA-SW40A	**Sample Date:**	22 August, 2022
QA/QC Duplicate ID:		**Sample Time:**	1211
MS/MSD Collected:	YES NO		

MATRIX / CONCENTRATION:

[ ] Stream **[ ] Pond** **[X] Low Concentration**
[ ] Spring **[ ] Lake** **[ ] High Concentration**
[X] Other (Tidal creek - freshwater)

SAMPLE DATA:

Method	Depth	Color	pH (S.U.)	S.C. (mS/cm)	Temp. (C°)	Turbidity (NTU)	DO (mg/L)	Salinity (% or ppt)	ORP (mV)	Other
Grab	1 ft below surface	clear	7.83	7.26	29.42	6.94	5.3	4	177	

ANALYSIS, PRESERVATION AND BOTTLE REQUIRMENTS

Analysis	Method	Preservative	Number	Vol.	Bottle Type	Collected
VOCs, TICs	USEPA SW846 Method 8260C	HCl pH<2	3	40 mL	glass	yes

OBSERVATIONS / NOTES:

Water depth = 2 feet

MAP:

Coordinates:	N	E

Signature(s): *Zach Musser*

SURFACE WATER SAMPLE LOG SHEET

TETRA TECH

Event:	August 2022 Surface Water Sampling
Project Site Name:	Frog Mortar Creek, Martin State Airport
Project No.:	112IC09567

Sample ID:	MSA-SW40B - 082222	**Sampled By:**	Zach Musser
Sample Location:	MSA-SW40B	**Sample Date:**	22 August, 2022
QA/QC Duplicate ID:		**Sample Time:**	1214
MS/MSD Collected:	YES NO		

MATRIX / CONCENTRATION:

[ ] Stream **[ ] Pond** **[X] Low Concentration**
[ ] Spring **[ ] Lake** **[ ] High Concentration**
[X] Other (Tidal creek - freshwater)

SAMPLE DATA:

Method	Depth	Color	pH (S.U.)	S.C. (mS/cm)	Temp. (C°)	Turbidity (NTU)	DO (mg/L)	Salinity (% or ppt)	ORP (mV)	Other
Grab	1 ft below surface	clear	7.62	7.24	29.39	10.6	4.78	4	186	

ANALYSIS, PRESERVATION AND BOTTLE REQUIRMENTS

Analysis	Method	Preservative	Number	Vol.	Bottle Type	Collected
VOCs, TICs	USEPA SW846 Method 8260C	HCl pH<2	3	40 mL	glass	yes

OBSERVATIONS / NOTES:

Water depth = 3.1 feet

MAP:

Coordinates:	N	E

Signature(s): *Zach Musser*

SURFACE WATER SAMPLE LOG SHEET

TETRA TECH

Event:	August 2022 Surface Water Sampling
Project Site Name:	Frog Mortar Creek, Martin State Airport
Project No.:	112IC09567

Sample ID:	MSA-SW40C - 082222	**Sampled By:**	Zach Musser
Sample Location:	MSA-SW40C	**Sample Date:**	22 August, 2022
QA/QC Duplicate ID:		**Sample Time:**	1217
MS/MSD Collected:	YES NO		

MATRIX / CONCENTRATION:

[ ] Stream **[ ] Pond** **[X] Low Concentration**
[ ] Spring **[ ] Lake** **[ ] High Concentration**
[X] Other (Tidal creek - freshwater)

SAMPLE DATA:

Method	Depth	Color	pH (S.U.)	S.C. (mS/cm)	Temp. (C°)	Turbidity (NTU)	DO (mg/L)	Salinity (% or ppt)	ORP (mV)	Other
Grab	1 ft below surface	clear	7.6	7.25	29.39	9.9	4.69	4	185	

ANALYSIS, PRESERVATION AND BOTTLE REQUIRMENTS

Analysis	Method	Preservative	Number	Vol.	Bottle Type	Collected
VOCs, TICs	USEPA SW846 Method 8260C	HCl pH<2	3	40 mL	glass	yes

OBSERVATIONS / NOTES:

Water depth = 4.4 feet

MAP:

Coordinates:	N	E

Signature(s): *Zach Musser*

SURFACE WATER SAMPLE LOG SHEET

TETRA TECH

Event:	August 2022 Surface Water Sampling
Project Site Name:	Frog Mortar Creek, Martin State Airport
Project No.:	112IC09567

Sample ID:	MSA-SW40D - 082222	**Sampled By:**	Zach Musser
Sample Location:	MSA-40D	**Sample Date:**	22 August, 2022
QA/QC Duplicate ID:		**Sample Time:**	1220
MS/MSD Collected:	YES NO		

MATRIX / CONCENTRATION:

[ ] Stream **[ ] Pond** **[X] Low Concentration**
[ ] Spring **[ ] Lake** **[ ] High Concentration**
[X] Other (Tidal creek - freshwater)

SAMPLE DATA:

Method	Depth	Color	pH (S.U.)	S.C. (mS/cm)	Temp. (C°)	Turbidity (NTU)	DO (mg/L)	Salinity (% or ppt)	ORP (mV)	Other
Grab	1 ft below surface	clear	7.65	7.32	29.46	8.8	4.86	4	182	

ANALYSIS, PRESERVATION AND BOTTLE REQUIRMENTS

Analysis	Method	Preservative	Number	Vol.	Bottle Type	Collected
VOCs, TICs	USEPA SW846 Method 8260C	HCl pH<2	3	40 mL	glass	yes

OBSERVATIONS / NOTES:

Water depth = >6 feet

MAP:

Coordinates:	N	E

Signature(s): *Zach Musser*

SURFACE WATER SAMPLE LOG SHEET

TETRA TECH

Event: August 2022 Surface Water Sampling
Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09567

Sample ID:	MSA-SW41A - 082222	**Sampled By:**	Zach Musser
Sample Location:	MSA-SW41A	**Sample Date:**	22 August, 2022
QA/QC Duplicate ID:		**Sample Time:**	1134
MS/MSD Collected:	YES NO		

MATRIX / CONCENTRATION:

[ ] Stream **[ ] Pond** **[X] Low Concentration**
[ ] Spring **[ ] Lake** **[ ] High Concentration**
[X] Other (Tidal creek - freshwater)

SAMPLE DATA:

Method	Depth	Color	pH (S.U.)	S.C. (mS/cm)	Temp. (C°)	Turbidity (NTU)	DO (mg/L)	Salinity (% or ppt)	ORP (mV)	Other
Grab	1 ft below surface	clear	7.62	7.33	29.35	8.21	4.94	4	189	

ANALYSIS, PRESERVATION AND BOTTLE REQUIRMENTS

Analysis	Method	Preservative	Number	Vol.	Bottle Type	Collected
VOCs, TICs	USEPA SW846 Method 8260C	HCl pH<2	3	40 mL	glass	yes

OBSERVATIONS / NOTES:

Water depth = 2.7 feet

MAP:

Coordinates:	N	E

Signature(s): *Zach Musser*

SURFACE WATER SAMPLE LOG SHEET

TETRA TECH

Event:	August 2022 Surface Water Sampling
Project Site Name:	Frog Mortar Creek, Martin State Airport
Project No.:	112IC09567

Sample ID:	MSA-SW41B - 082222	**Sampled By:**	Zach Musser
Sample Location:	MSA-SW41B	**Sample Date:**	22 August, 2022
QA/QC Duplicate ID:		**Sample Time:**	1138
MS/MSD Collected:	YES NO		

MATRIX / CONCENTRATION:

[ ] Stream **[ ] Pond** **[X] Low Concentration**
[ ] Spring **[ ] Lake** **[ ] High Concentration**
[X] Other (Tidal creek - freshwater)

SAMPLE DATA:

Method	Depth	Color	pH (S.U.)	S.C. (mS/cm)	Temp. (C°)	Turbidity (NTU)	DO (mg/L)	Salinity (% or ppt)	ORP (mV)	Other
Grab	1 ft below surface	clear	7.66	7.33	29.34	8.27	4.96	4	192	

ANALYSIS, PRESERVATION AND BOTTLE REQUIRMENTS

Analysis	Method	Preservative	Number	Vol.	Bottle Type	Collected
VOCs, TICs	USEPA SW846 Method 8260C	HCl pH<2	3	40 mL	glass	yes

OBSERVATIONS / NOTES:

Water depth = 4 feet

MAP:

Coordinates:	N	E

Signature(s): *Zach Musser*

SURFACE WATER SAMPLE LOG SHEET

TETRA TECH

Event:	August 2022 Surface Water Sampling
Project Site Name:	Frog Mortar Creek, Martin State Airport
Project No.:	112IC09567

Sample ID:	MSA-SW41C - 082222	**Sampled By:**	Zach Musser
Sample Location:	MSA-SW41C	**Sample Date:**	22 August, 2022
QA/QC Duplicate ID:		**Sample Time:**	1140
MS/MSD Collected:	YES NO		

MATRIX / CONCENTRATION:

[ ] Stream **[ ] Pond** **[X] Low Concentration**
[ ] Spring **[ ] Lake** **[ ] High Concentration**
[X] Other (Tidal creek - freshwater)

SAMPLE DATA:

Method	Depth	Color	pH (S.U.)	S.C. (mS/cm)	Temp. (C°)	Turbidity (NTU)	DO (mg/L)	Salinity (% or ppt)	ORP (mV)	Other
Grab	1 ft below surface	clear	7.66	7.34	29.32	9.19	4.97	4	194	

ANALYSIS, PRESERVATION AND BOTTLE REQUIRMENTS

Analysis	Method	Preservative	Number	Vol.	Bottle Type	Collected
VOCs, TICs	USEPA SW846 Method 8260C	HCl pH<2	3	40 mL	glass	yes

OBSERVATIONS / NOTES:

Water depth = 5.7 feet

MAP:

Coordinates:	N	E

Signature(s): *Zach Musser*

SURFACE WATER SAMPLE LOG SHEET

TETRA TECH

Event:	August 2022 Surface Water Sampling
Project Site Name:	Frog Mortar Creek, Martin State Airport
Project No.:	112IC09567

Sample ID:	MSA-SW41D - 082222	**Sampled By:**	Zach Musser
Sample Location:	MSA-SW41D	**Sample Date:**	22 August, 2022
QA/QC Duplicate ID:		**Sample Time:**	1143
MS/MSD Collected:	YES NO		

MATRIX / CONCENTRATION:

[ ] Stream **[ ] Pond** **[X] Low Concentration**
[ ] Spring **[ ] Lake** **[ ] High Concentration**
[X] Other (Tidal creek - freshwater)

SAMPLE DATA:

Method	Depth	Color	pH (S.U.)	S.C. (mS/cm)	Temp. (C°)	Turbidity (NTU)	DO (mg/L)	Salinity (% or ppt)	ORP (mV)	Other
Grab	1 ft below surface	clear	7.64	7.36	29.3	9.1	4.85	4	196	

ANALYSIS, PRESERVATION AND BOTTLE REQUIRMENTS

Analysis	Method	Preservative	Number	Vol.	Bottle Type	Collected
VOCs, TICs	USEPA SW846 Method 8260C	HCl pH<2	3	40 mL	glass	yes

OBSERVATIONS / NOTES:

Water depth = >6 feet

MAP:

Coordinates:	N	E

Signature(s): *Zach Musser*

SURFACE WATER SAMPLE LOG SHEET

TETRA TECH

Event:	August 2022 Surface Water Sampling
Project Site Name:	Frog Mortar Creek, Martin State Airport
Project No.:	112IC09567

Sample ID:	MSA-SW42A - 082222	**Sampled By:**	Zach Musser
Sample Location:	MSA-SW42A	**Sample Date:**	22 August, 2022
QA/QC Duplicate ID:		**Sample Time:**	1226
MS/MSD Collected:	YES NO		

MATRIX / CONCENTRATION:

[ ] Stream **[ ] Pond** **[X] Low Concentration**
[ ] Spring **[ ] Lake** **[ ] High Concentration**
[X] Other (Tidal creek - freshwater)

SAMPLE DATA:

Method	Depth	Color	pH (S.U.)	S.C. (mS/cm)	Temp. (C°)	Turbidity (NTU)	DO (mg/L)	Salinity (% or ppt)	ORP (mV)	Other
Grab	1 ft below surface	clear	7.62	7.24	29.57	9.41	4.85	4	178	

ANALYSIS, PRESERVATION AND BOTTLE REQUIRMENTS

Analysis	Method	Preservative	Number	Vol.	Bottle Type	Collected
VOCs, TICs	USEPA SW846 Method 8260C	HCl pH<2	3	40 mL	glass	yes

OBSERVATIONS / NOTES:

Water depth = 2.4 feet

MAP:

Coordinates:	N	E

Signature(s): *Zach Musser*

SURFACE WATER SAMPLE LOG SHEET

TETRA TECH

Event:	August 2022 Surface Water Sampling
Project Site Name:	Frog Mortar Creek, Martin State Airport
Project No.:	112IC09567

Sample ID:	MSA-SW42B - 082222	**Sampled By:**	Zach Musser
Sample Location:	MSA-SW42B	**Sample Date:**	22 August, 2022
QA/QC Duplicate ID:		**Sample Time:**	1228
MS/MSD Collected:	YES NO		

MATRIX / CONCENTRATION:

[ ] Stream **[ ] Pond** **[X] Low Concentration**
[ ] Spring **[ ] Lake** **[ ] High Concentration**
[X] Other (Tidal creek - freshwater)

SAMPLE DATA:

Method	Depth	Color	pH (S.U.)	S.C. (mS/cm)	Temp. (C°)	Turbidity (NTU)	DO (mg/L)	Salinity (% or ppt)	ORP (mV)	Other
Grab	1 ft below surface	clear	7.67	7.27	29.67	10.7	4.79	4	178	

ANALYSIS, PRESERVATION AND BOTTLE REQUIRMENTS

Analysis	Method	Preservative	Number	Vol.	Bottle Type	Collected
VOCs, TICs	USEPA SW846 Method 8260C	HCl pH<2	3	40 mL	glass	yes

OBSERVATIONS / NOTES:

Water depth = 4.4 feet

MAP:

Coordinates:	N	E

Signature(s): *Zach Musser*

SURFACE WATER SAMPLE LOG SHEET

TETRA TECH

Event:	August 2022 Surface Water Sampling
Project Site Name:	Frog Mortar Creek, Martin State Airport
Project No.:	112IC09567

Sample ID:	MSA-SW42C - 082222	**Sampled By:**	Zach Musser
Sample Location:	MSA-SW42C	**Sample Date:**	22 August, 2022
QA/QC Duplicate ID:		**Sample Time:**	1231
MS/MSD Collected:	YES NO		

MATRIX / CONCENTRATION:

[ ] Stream **[ ] Pond** **[X] Low Concentration**
[ ] Spring **[ ] Lake** **[ ] High Concentration**
[X] Other (Tidal creek - freshwater)

SAMPLE DATA:

Method	Depth	Color	pH (S.U.)	S.C. (mS/cm)	Temp. (C°)	Turbidity (NTU)	DO (mg/L)	Salinity (% or ppt)	ORP (mV)	Other
Grab	1 ft below surface	clear	7.72	7.28	29.66	8.68	4.84	4	182	

ANALYSIS, PRESERVATION AND BOTTLE REQUIRMENTS

Analysis	Method	Preservative	Number	Vol.	Bottle Type	Collected
VOCs, TICs	USEPA SW846 Method 8260C	HCl pH<2	3	40 mL	glass	yes

OBSERVATIONS / NOTES:

Water depth = 5.7 feet

MAP:

Coordinates:	N	E

Signature(s): *Zach Musser*

SURFACE WATER SAMPLE LOG SHEET

TETRA TECH

Event:	August 2022 Surface Water Sampling
Project Site Name:	Frog Mortar Creek, Martin State Airport
Project No.:	112IC09567

Sample ID:	MSA-SW42D - 082222	**Sampled By:**	Zach Musser
Sample Location:	MSA-42D	**Sample Date:**	22 August, 2022
QA/QC Duplicate ID:		**Sample Time:**	1235
MS/MSD Collected:	YES NO		

MATRIX / CONCENTRATION:

[ ] Stream **[ ] Pond** **[X] Low Concentration**
[ ] Spring **[ ] Lake** **[ ] High Concentration**
[X] Other (Tidal creek - freshwater)

SAMPLE DATA:

Method	Depth	Color	pH (S.U.)	S.C. (mS/cm)	Temp. (C°)	Turbidity (NTU)	DO (mg/L)	Salinity (% or ppt)	ORP (mV)	Other
Grab	1 ft below surface	clear	7.74	7.28	29.7	8.97	5.12	4	177	

ANALYSIS, PRESERVATION AND BOTTLE REQUIRMENTS

Analysis	Method	Preservative	Number	Vol.	Bottle Type	Collected
VOCs, TICs	USEPA SW846 Method 8260C	HCl pH<2	3	40 mL	glass	yes

OBSERVATIONS / NOTES:

Water depth = >6 feet

MAP:

Coordinates:	N	E

Signature(s): *Zach Musser*

SURFACE WATER SAMPLE LOG SHEET

TETRA TECH

Event: August 2022 Surface Water Sampling
Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09567

Sample ID:	MSA-SW43A - 082222	**Sampled By:**	Zach Musser
Sample Location:	MSA-SW43A	**Sample Date:**	22 August, 2022
QA/QC Duplicate ID:		**Sample Time:**	1112
MS/MSD Collected:	YES NO		

MATRIX / CONCENTRATION:

[ ] Stream [ ] Pond [X] Low Concentration
[ ] Spring [ ] Lake [ ] High Concentration
[X] Other (Tidal creek - freshwater)

SAMPLE DATA:

Method	Depth	Color	pH (S.U.)	S.C. (mS/cm)	Temp. (C°)	Turbidity (NTU)	DO (mg/L)	Salinity (% or ppt)	ORP (mV)	Other
Grab	1 ft below surface	clear	7.54	7.4	29.01	10.6	5.14	4.1	166	

ANALYSIS, PRESERVATION AND BOTTLE REQUIRMENTS

Analysis	Method	Preservative	Number	Vol.	Bottle Type	Collected
VOCs, TICs	USEPA SW846 Method 8260C	HCl pH<2	3	40 mL	glass	yes

OBSERVATIONS / NOTES:

Water depth = 2.2 feet

MAP:

Coordinates:	N	E

Signature(s): *Zach Musser*

SURFACE WATER SAMPLE LOG SHEET

TETRA TECH

Event:	August 2022 Surface Water Sampling
Project Site Name:	Frog Mortar Creek, Martin State Airport
Project No.:	112IC09567

Sample ID:	MSA-SW43B - 082222	**Sampled By:**	Zach Musser
Sample Location:	MSA-SW43B	**Sample Date:**	22 August, 2022
QA/QC Duplicate ID:		**Sample Time:**	1117
MS/MSD Collected:	YES NO		

MATRIX / CONCENTRATION:

[ ] Stream **[ ] Pond** **[X] Low Concentration**
[ ] Spring **[ ] Lake** **[ ] High Concentration**
[X] Other (Tidal creek - freshwater)

SAMPLE DATA:

Method	Depth	Color	pH (S.U.)	S.C. (mS/cm)	Temp. (C°)	Turbidity (NTU)	DO (mg/L)	Salinity (% or ppt)	ORP (mV)	Other
Grab	1 ft below surface	clear	7.61	7.38	29.32	7.46	4.8	4.1	178	

ANALYSIS, PRESERVATION AND BOTTLE REQUIRMENTS

Analysis	Method	Preservative	Number	Vol.	Bottle Type	Collected
VOCs, TICs	USEPA SW846 Method 8260C	HCl pH<2	3	40 mL	glass	yes

OBSERVATIONS / NOTES:

Water depth = 3.2 feet

MAP:

Coordinates:	N	E

Signature(s): *Zach Musser*

SURFACE WATER SAMPLE LOG SHEET

TETRA TECH

Event:	August 2022 Surface Water Sampling
Project Site Name:	Frog Mortar Creek, Martin State Airport
Project No.:	112IC09567

Sample ID:	MSA-SW43C - 082222	**Sampled By:**	Zach Musser
Sample Location:	MSA-SW43C	**Sample Date:**	22 August, 2022
QA/QC Duplicate ID:		**Sample Time:**	1119
MS/MSD Collected:	YES NO		

MATRIX / CONCENTRATION:

[ ] Stream **[ ] Pond** **[X] Low Concentration**
[ ] Spring **[ ] Lake** **[ ] High Concentration**
[X] Other (Tidal creek - freshwater)

SAMPLE DATA:

Method	Depth	Color	pH (S.U.)	S.C. (mS/cm)	Temp. (C°)	Turbidity (NTU)	DO (mg/L)	Salinity (% or ppt)	ORP (mV)	Other
Grab	1 ft below surface	clear	7.6	7.37	29.34	6.42	4.88	4.1	188	

ANALYSIS, PRESERVATION AND BOTTLE REQUIRMENTS

Analysis	Method	Preservative	Number	Vol.	Bottle Type	Collected
VOCs, TICs	USEPA SW846 Method 8260C	HCl pH<2	3	40 mL	glass	yes

OBSERVATIONS / NOTES:

Water depth = 5.2 feet

MAP:

Coordinates:	N	E

Signature(s): *Zach Musser*

SURFACE WATER SAMPLE LOG SHEET

TETRA TECH

Event:	August 2022 Surface Water Sampling
Project Site Name:	Frog Mortar Creek, Martin State Airport
Project No.:	112IC09567

Sample ID:	MSA-SW43D - 082222	**Sampled By:**	Zach Musser
Sample Location:	MSA-43D	**Sample Date:**	22 August, 2022
QA/QC Duplicate ID:		**Sample Time:**	1125
MS/MSD Collected:	YES NO		

MATRIX / CONCENTRATION:

[ ] Stream **[ ] Pond** **[X] Low Concentration**
[ ] Spring **[ ] Lake** **[ ] High Concentration**
[X] Other (Tidal creek - freshwater)

SAMPLE DATA:

Method	Depth	Color	pH (S.U.)	S.C. (mS/cm)	Temp. (C°)	Turbidity (NTU)	DO (mg/L)	Salinity (% or ppt)	ORP (mV)	Other
Grab	1 ft below surface	clear	7.6	7.4	29.27	8.12	4.85	4.1	189	

ANALYSIS, PRESERVATION AND BOTTLE REQUIRMENTS

Analysis	Method	Preservative	Number	Vol.	Bottle Type	Collected
VOCs, TICs	USEPA SW846 Method 8260C	HCl pH<2	3	40 mL	glass	yes

OBSERVATIONS / NOTES:

Water depth = >6 feet

MAP:

Coordinates:	N	E

Signature(s): *Zach Musser*

SURFACE WATER SAMPLE LOG SHEET

TETRA TECH

Event: August 2022 Surface Water Sampling
Project Site Name: Frog Mortar Creek, Martin State Airport
Project No.: 112IC09567

Sample ID:	MSA-SW46A - 082222	**Sampled By:**	Zach Musser
Sample Location:	MSA-SW46A	**Sample Date:**	22 August, 2022
QA/QC Duplicate ID:		**Sample Time:**	1222
MS/MSD Collected:	YES NO		

MATRIX / CONCENTRATION:

[ ] Stream **[ ] Pond** **[X] Low Concentration**
[ ] Spring **[ ] Lake** **[ ] High Concentration**
[X] Other (Tidal creek - freshwater)

SAMPLE DATA:

Method	Depth	Color	pH (S.U.)	S.C. (mS/cm)	Temp. (C°)	Turbidity (NTU)	DO (mg/L)	Salinity (% or ppt)	ORP (mV)	Other
Grab	1 ft below surface	clear	7.59	7.25	29.47	9.91	4.59	4	174	

ANALYSIS, PRESERVATION AND BOTTLE REQUIRMENTS

Analysis	Method	Preservative	Number	Vol.	Bottle Type	Collected
VOCs, TICs	USEPA SW846 Method 8260C	HCl pH<2	3	40 mL	glass	yes

OBSERVATIONS / NOTES:

Water depth = 2.6 feet

MAP:

Coordinates:	N	E

Signature(s): *Zach Musser*

SURFACE WATER SAMPLE LOG SHEET

TETRA TECH

Event:	August 2022 Surface Water Sampling
Project Site Name:	Frog Mortar Creek, Martin State Airport
Project No.:	112IC09567

Sample ID:	MSA-SW47A - 082222	**Sampled By:**	Zach Musser
Sample Location:	MSA-SW47A	**Sample Date:**	22 August, 2022
QA/QC Duplicate ID:		**Sample Time:**	1205
MS/MSD Collected:	YES NO		

MATRIX / CONCENTRATION:

[ ] Stream **[ ] Pond** **[X] Low Concentration**
[ ] Spring **[ ] Lake** **[ ] High Concentration**
[X] Other (Tidal creek - freshwater)

SAMPLE DATA:

Method	Depth	Color	pH (S.U.)	S.C. (mS/cm)	Temp. (C°)	Turbidity (NTU)	DO (mg/L)	Salinity (% or ppt)	ORP (mV)	Other
Grab	1 ft below surface	clear	7.64	7.33	29.32	7.13	4.76	4	180	

ANALYSIS, PRESERVATION AND BOTTLE REQUIRMENTS

Analysis	Method	Preservative	Number	Vol.	Bottle Type	Collected
VOCs, TICs	USEPA SW846 Method 8260C	HCl pH<2	3	40 mL	glass	yes

OBSERVATIONS / NOTES:

Water depth = 2.2 feet

MAP:

Coordinates:	N	E

Signature(s): *Zach Musser*

SURFACE WATER SAMPLE LOG SHEET

TETRA TECH

Event:	August 2022 Surface Water Sampling
Project Site Name:	Frog Mortar Creek, Martin State Airport
Project No.:	112IC09567

Sample ID:	MSA-SW48A - 082222	**Sampled By:**	Zach Musser
Sample Location:	MSA-SW48A	**Sample Date:**	22 August, 2022
QA/QC Duplicate ID:		**Sample Time:**	1148
MS/MSD Collected:	YES NO		

MATRIX / CONCENTRATION:

[ ] Stream **[ ] Pond** **[X] Low Concentration**
[ ] Spring **[ ] Lake** **[ ] High Concentration**
[X] Other (Tidal creek - freshwater)

SAMPLE DATA:

Method	Depth	Color	pH (S.U.)	S.C. (mS/cm)	Temp. (C°)	Turbidity (NTU)	DO (mg/L)	Salinity (% or ppt)	ORP (mV)	Other
Grab	1 ft below surface	clear	7.65	7.32	29.33	8.33	4.81	4	194	

ANALYSIS, PRESERVATION AND BOTTLE REQUIRMENTS

Analysis	Method	Preservative	Number	Vol.	Bottle Type	Collected
VOCs, TICs	USEPA SW846 Method 8260C	HCl pH<2	3	40 mL	glass	yes

OBSERVATIONS / NOTES:

Water depth = 1.9 feet

MAP:

Coordinates:	N	E

Signature(s): *Zach Musser*

SURFACE WATER SAMPLE LOG SHEET

TETRA TECH

Event:	August 2022 Surface Water Sampling
Project Site Name:	Frog Mortar Creek, Martin State Airport
Project No.:	112IC09567

Sample ID:	MSA-SW49A - 082222	**Sampled By:**	Zach Musser
Sample Location:	MSA-SW49A	**Sample Date:**	22 August, 2022
QA/QC Duplicate ID:		**Sample Time:**	1130
MS/MSD Collected:	YES NO		

MATRIX / CONCENTRATION:

[ ] Stream **[ ] Pond** **[X] Low Concentration**
[ ] Spring **[ ] Lake** **[ ] High Concentration**
[X] Other (Tidal creek - freshwater)

SAMPLE DATA:

Method	Depth	Color	pH (S.U.)	S.C. (mS/cm)	Temp. (C°)	Turbidity (NTU)	DO (mg/L)	Salinity (% or ppt)	ORP (mV)	Other
Grab	1 ft below surface	clear	7.6	7.39	29.29	7.75	4.69	4.1	186	

ANALYSIS, PRESERVATION AND BOTTLE REQUIRMENTS

Analysis	Method	Preservative	Number	Vol.	Bottle Type	Collected
VOCs, TICs	USEPA SW846 Method 8260C	HCl pH<2	3	40 mL	glass	yes

OBSERVATIONS / NOTES:

Water depth = 2.9 feet

MAP:

Coordinates:	N	E

Signature(s): *Zach Musser*

APPENDIX B—DATA-VALIDATION AND FULL LABORATORY REPORTS

TETRA TECH

INTERNAL CORRESPONDENCE

TO: S. BRENNER **DATE:** SEPTEMBER 15, 2022

FROM: E. SEDLMYER **COPIES:** DV FILE

SUBJECT: **ORGANIC DATA VALIDATION – VOC**
LOCKHEED MARTIN CORPORATION (LMC) – MARTIN STATE AIRPORT (MSA)
FROG MORTAR CREEK SURFACE WATER SAMPLING
SDG 240-171981-1

SAMPLES: 30/Aqueous/VOC

MSA-SW37A-082222	MSA-SW37B-082222	MSA-SW37C-082222
MSA-SW37D-082222	MSA-SW38A-082222	MSA-SW38B-082222
MSA-SW38C-082222	MSA-SW38D-082222	MSA-SW40A-082222
MSA-SW40B-082222	MSA-SW40C-082222	MSA-SW40D-082222
MSA-SW41A-082222	MSA-SW41B-082222	MSA-SW41C-082222
MSA-SW41D-082222	MSA-SW42A-082222	MSA-SW42B-082222
MSA-SW42C-082222	MSA-SW42D-082222	MSA-SW43A-082222
MSA-SW43B-082222	MSA-SW43C-082222	MSA-SW43D-082222
MSA-SW46A-082222	MSA-SW47A-082222	MSA-SW48A-082222
MSA-SW49A-082222	MSA-SWEQB-082222	TB-082222

Overview

The sample set for LMC-MSA Frog Mortar Creek, SDG 240-171981-1 consisted of twenty-eight (28) aqueous environmental samples, one (1) equipment blank, and one (1) trip blank. All thirty (30) aqueous samples were analyzed for Volatile Organic Compounds (VOC). No field duplicate sample pair was included in this SDG.

The samples were collected by Tetra Tech, Inc. on August 22, 2022 and analyzed by Eurofins / Test America, 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 A3UX22 on 08/29/2022 @ 11:30 had Percent Differences (%Ds) for bromomethane, chloroethane, dichlorofluoromethane, tertiary-butyl alcohol, vinyl acetate, tetrachloroethene, 1,1,1,2-tetrachloroethane, and bromoform, which exceeded the 20% quality control limit. Samples MSA-SW37A-082222, MSA-SW37B-082222, MSA-SW37C-082222, MSA-SW37D-082222, MSA-SW38A-082222, MSA-SW38B-082222, MSA-

SW38C-082222, MSA-SW38D-082222, MSA-SW40A-082222, MSA-SW40B-082222, MSA-SW40C-082222, MSA-SW40D-082222, MSA-SW41A-082222, MSA-SW41B-082222, MSA-SW41C-082222, MSA-SW41D-082222, MSA-SW42A-082222, MSA-SW42B-082222, and MSA-SW42C-082222 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 A3UX22 on 08/30/2022 @ 14:10 had %Ds for bromomethane, chloroethane, tertiary-butyl alcohol, vinyl acetate, 1,1,1,2-tetrachloroethane, and bromoform, which exceeded the 20% quality control limit. Samples MSA-SW42D-082222, MSA-SW43A-082222, MSA-SW43B-082222, MSA-SW43C-082222, MSA-SW43D-082222, MSA-SW46A-082222, MSA-SW47A-082222, MSA-SW48A-082222, MSA-SW49A-082222, MSA-SWEQB-082222, and TB-082222 were affected. The non-detected results reported for these compounds in the affected samples were qualified as estimated, (UJ).

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

Notes

Non-detected results were reported to the MDL.

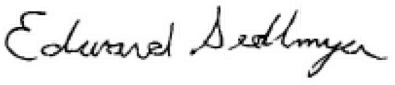
The LCS (240-540740/5) had percent recoveries greater than the quality control limits for bromoform and 1,1,1,2-tetrachloroethane. Samples MSA-SW42D-082222, MSA-SW43A-082222, MSA-SW43B-082222, MSA-SW43C-082222, MSA-SW43D-082222, MSA-SW46A-082222, MSA-SW47A-082222, MSA-SW48A-082222, MSA-SW49A-082222, MSA-SWEQB-082222, and TB-082222 were affected. No action was taken on this basis as bromoform and 1,1,1,2-tetrachloroethane were not detected in the affected samples.

Executive Summary

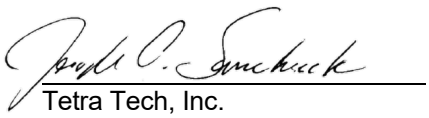
Laboratory Performance: VOC continuing calibrations contained %Ds for several compounds that exceeded 20%. Non-detected chlorodifluoromethane results were estimated because the compound was evaluated via TIC library search.

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 Superfund Methods Data Review" (November 2020). The text of this report has been formulated to address only those problem areas affecting data quality.



Tetra Tech, Inc.
Edward Sedlmyer
Data Validator



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 method detection limit for sample and method.
J	The analyte was positively identified and 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.
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.

Appendix A

Qualified Analytical Results

Qualifier Codes:

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

PROJ_NO: 09567	NSAMPLE	MSA-SW37A-082222			MSA-SW37B-082222			MSA-SW37C-082222			MSA-SW37D-082222		
SDG: 240-171981-1	LAB_ID	240-171981-1			240-171981-2			240-171981-3			240-171981-4		
FRACTION: OV	SAMP_DATE	8/22/2022			8/22/2022			8/22/2022			8/22/2022		
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	UJ	C	0.43	UJ	C	0.43	UJ	C	0.43	UJ	C
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	UJ	C	0.76	UJ	C	0.76	UJ	C	0.76	UJ	C
BROMOMETHANE		0.42	UJ	C	0.42	UJ	C	0.42	UJ	C	0.42	UJ	C

PROJ_NO: 09567	NSAMPLE	MSA-SW38A-082222			MSA-SW38B-082222			MSA-SW38C-082222			MSA-SW38D-082222		
SDG: 240-171981-1	LAB_ID	240-171981-5			240-171981-6			240-171981-7			240-171981-8		
FRACTION: OV	SAMP_DATE	8/22/2022			8/22/2022			8/22/2022			8/22/2022		
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	UJ	C	0.43	UJ	C	0.43	UJ	C	0.43	UJ	C
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	UJ	C	0.76	UJ	C	0.76	UJ	C	0.76	UJ	C
BROMOMETHANE		0.42	UJ	C	0.42	UJ	C	0.42	UJ	C	0.42	UJ	C

PROJ_NO: 09567	NSAMPLE	MSA-SW40A-082222			MSA-SW40B-082222			MSA-SW40C-082222			MSA-SW40D-082222		
SDG: 240-171981-1	LAB_ID	240-171981-9			240-171981-10			240-171981-11			240-171981-12		
FRACTION: OV	SAMP_DATE	8/22/2022			8/22/2022			8/22/2022			8/22/2022		
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	UJ	C	0.43	UJ	C	0.43	UJ	C	0.43	UJ	C
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	UJ	C	0.76	UJ	C	0.76	UJ	C	0.76	UJ	C
BROMOMETHANE		0.42	UJ	C	0.42	UJ	C	0.42	UJ	C	0.42	UJ	C

PROJ_NO: 09567	NSAMPLE	MSA-SW41A-082222			MSA-SW41B-082222			MSA-SW41C-082222			MSA-SW41D-082222		
SDG: 240-171981-1	LAB_ID	240-171981-13			240-171981-14			240-171981-15			240-171981-16		
FRACTION: OV	SAMP_DATE	8/22/2022			8/22/2022			8/22/2022			8/22/2022		
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	UJ	C	0.43	UJ	C	0.43	UJ	C	0.43	UJ	C
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	UJ	C	0.76	UJ	C	0.76	UJ	C	0.76	UJ	C
BROMOMETHANE		0.42	UJ	C	0.42	UJ	C	0.42	UJ	C	0.42	UJ	C

PROJ_NO: 09567	NSAMPLE	MSA-SW42A-082222			MSA-SW42B-082222			MSA-SW42C-082222			MSA-SW42D-082222		
SDG: 240-171981-1	LAB_ID	240-171981-17			240-171981-18			240-171981-19			240-171981-20		
FRACTION: OV	SAMP_DATE	8/22/2022			8/22/2022			8/22/2022			8/22/2022		
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	UJ	C	0.43	UJ	C	0.43	UJ	C	0.43	UJ	C
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	UJ	C	0.76	UJ	C	0.76	UJ	C	0.76	UJ	C
BROMOMETHANE		0.42	UJ	C	0.42	UJ	C	0.42	UJ	C	0.42	UJ	C

PROJ_NO: 09567	NSAMPLE	MSA-SW43A-082222			MSA-SW43B-082222			MSA-SW43C-082222			MSA-SW43D-082222		
SDG: 240-171981-1	LAB_ID	240-171981-21			240-171981-22			240-171981-23			240-171981-24		
FRACTION: OV	SAMP_DATE	8/22/2022			8/22/2022			8/22/2022			8/22/2022		
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	UJ	C	0.43	UJ	C	0.43	UJ	C	0.43	UJ	C
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	UJ	C	0.76	UJ	C	0.76	UJ	C	0.76	UJ	C
BROMOMETHANE		0.42	UJ	C	0.42	UJ	C	0.42	UJ	C	0.42	UJ	C

PROJ_NO: 09567	NSAMPLE	MSA-SW46A-082222			MSA-SW47A-082222			MSA-SW48A-082222			MSA-SW49A-082222		
SDG: 240-171981-1	LAB_ID	240-171981-26			240-171981-27			240-171981-28			240-171981-29		
FRACTION: OV	SAMP_DATE	8/22/2022			8/22/2022			8/22/2022			8/22/2022		
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	UJ	C	0.43	UJ	C	0.43	UJ	C	0.43	UJ	C
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	UJ	C	0.76	UJ	C	0.76	UJ	C	0.76	UJ	C
BROMOMETHANE		0.42	UJ	C	0.42	UJ	C	0.42	UJ	C	0.42	UJ	C

PROJ_NO: 09567	NSAMPLE	MSA-SWEQB-082222			TB-082222		
SDG: 240-171981-1	LAB_ID	240-171981-30			240-171981-25		
FRACTION: OV	SAMP_DATE	8/22/2022			8/22/2022		
MEDIA: WATER	QC_TYPE	NM			NM		
	UNITS	UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.43	UJ	C	0.43	UJ	C
1,1,1-TRICHLOROETHANE		0.48	U		0.48	U	
1,1,2,2-TETRACHLOROETHANE		0.6	U		0.6	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.41	U		0.41	U	
1,1-DICHLOROETHANE		0.47	U		0.47	U	
1,1-DICHLOROETHENE		0.49	U		0.49	U	
1,1-DICHLOROPROPENE		0.36	U		0.36	U	
1,2,3-TRICHLOROBENZENE		0.54	U		0.54	U	
1,2,3-TRICHLOROPROPANE		0.52	U		0.52	U	
1,2,3-TRIMETHYLBENZENE		0.31	U		0.31	U	
1,2,4-TRICHLOROBENZENE		0.77	U		0.77	U	
1,2,4-TRIMETHYLBENZENE		0.52	U		0.52	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.91	U		0.91	U	
1,2-DIBROMOETHANE		0.41	U		0.41	U	
1,2-DICHLOROBENZENE		0.48	U		0.48	U	
1,2-DICHLOROETHANE		0.21	U		0.21	U	
1,2-DICHLOROPROPANE		0.47	U		0.47	U	
1,3-DICHLOROBENZENE		0.45	U		0.45	U	
1,3-DICHLOROPROPANE		0.21	U		0.21	U	
1,4-DICHLOROBENZENE		0.41	U		0.41	U	
2,2-DICHLOROPROPANE		0.78	U		0.78	U	
2-BUTANONE		1.2	U		1.2	U	
2-CHLOROETHYL VINYL ETHER		1.5	UR	M	1.5	UR	M
2-CHLOROTOLUENE		0.57	U		0.57	U	
2-HEXANONE		1.1	U		1.1	U	
4-CHLOROTOLUENE		0.43	U		0.43	U	
4-ISOPROPYLTOLUENE		0.56	U		0.56	U	
4-METHYL-2-PENTANONE		0.99	U		0.99	U	
ACETONE		5.4	U		5.4	U	
BENZENE		0.42	U		0.42	U	
BROMOBENZENE		0.5	U		0.5	U	
BROMOCHLOROMETHANE		0.54	U		0.54	U	
BROMODICHLOROMETHANE		0.17	U		0.17	U	
BROMOFORM		0.76	UJ	C	0.76	UJ	C
BROMOMETHANE		0.42	UJ	C	0.42	UJ	C

PROJ_NO: 09567	NSAMPLE	MSA-SW37A-082222			MSA-SW37B-082222			MSA-SW37C-082222			MSA-SW37D-082222		
SDG: 240-171981-1	LAB_ID	240-171981-1			240-171981-2			240-171981-3			240-171981-4		
FRACTION: OV	SAMP_DATE	8/22/2022			8/22/2022			8/22/2022			8/22/2022		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.59	U		0.59	U		0.59	U		0.59	U	
CARBON TETRACHLORIDE		0.26	U		0.26	U		0.26	U		0.26	U	
CHLOROBENZENE		0.38	U		0.38	U		0.38	U		0.38	U	
CHLORODIBROMOMETHANE		0.39	U		0.39	U		0.39	U		0.39	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.83	UJ	C	0.83	UJ	C	0.83	UJ	C	0.83	UJ	C
CHLOROFORM		0.47	U		0.47	U		0.47	U		0.47	U	
CHLOROMETHANE		0.63	U		0.63	U		0.63	U		0.63	U	
CIS-1,2-DICHLOROETHENE		0.46	U		0.46	U		0.46	U		0.46	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U		0.61	U		0.61	U	
DIBROMOMETHANE		0.4	U		0.4	U		0.4	U		0.4	U	
DICHLORODIFLUOROMETHANE		0.35	UJ	C	0.35	UJ	C	0.35	UJ	C	0.35	UJ	C
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	U		0.4	U		0.4	U		0.4	U	
ETHYLBENZENE		0.42	U		0.42	U		0.42	U		0.42	U	
HEXACHLOROBUTADIENE		0.83	U		0.83	U		0.83	U		0.83	U	
ISOPROPYLBENZENE		0.49	U		0.49	U		0.49	U		0.49	U	
M+P-XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
METHYL TERT-BUTYL ETHER		0.47	U		0.47	U		0.47	U		0.47	U	
METHYLENE CHLORIDE		2.6	U		2.6	U		2.6	U		2.6	U	
NAPHTHALENE		0.8	U		0.8	U		0.8	U		0.8	U	
N-BUTYLBENZENE		0.6	U		0.6	U		0.6	U		0.6	U	
N-PROPYLBENZENE		0.57	U		0.57	U		0.57	U		0.57	U	
O-XYLENE		0.42	U		0.42	U		0.42	U		0.42	U	
SEC-BUTYLBENZENE		0.53	U		0.53	U		0.53	U		0.53	U	
STYRENE		0.45	U		0.45	U		0.45	U		0.45	U	
TERT-AMYL METHYL ETHER		0.43	U		0.43	U		0.43	U		0.43	U	
TERT-BUTYLBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
TERTIARY-BUTYL ALCOHOL		7.2	UJ	C	7.2	UJ	C	7.2	UJ	C	7.2	UJ	C
TETRACHLOROETHENE		0.44	UJ	C	0.44	UJ	C	0.44	UJ	C	0.44	UJ	C
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: 09567	NSAMPLE	MSA-SW38A-082222			MSA-SW38B-082222			MSA-SW38C-082222			MSA-SW38D-082222		
SDG: 240-171981-1	LAB_ID	240-171981-5			240-171981-6			240-171981-7			240-171981-8		
FRACTION: OV	SAMP_DATE	8/22/2022			8/22/2022			8/22/2022			8/22/2022		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.59	U		0.59	U		0.59	U		0.59	U	
CARBON TETRACHLORIDE		0.26	U		0.26	U		0.26	U		0.26	U	
CHLOROBENZENE		0.38	U		0.38	U		0.38	U		0.38	U	
CHLORODIBROMOMETHANE		0.39	U		0.39	U		0.39	U		0.39	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.83	UJ	C	0.83	UJ	C	0.83	UJ	C	0.83	UJ	C
CHLOROFORM		0.47	U		0.47	U		0.47	U		0.47	U	
CHLOROMETHANE		0.63	U		0.63	U		0.63	U		0.63	U	
CIS-1,2-DICHLOROETHENE		0.46	U		0.46	U		0.46	U		0.46	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U		0.61	U		0.61	U	
DIBROMOMETHANE		0.4	U		0.4	U		0.4	U		0.4	U	
DICHLORODIFLUOROMETHANE		0.35	UJ	C	0.35	UJ	C	0.35	UJ	C	0.35	UJ	C
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	U		0.4	U		0.4	U		0.4	U	
ETHYLBENZENE		0.42	U		0.42	U		0.42	U		0.42	U	
HEXACHLOROBUTADIENE		0.83	U		0.83	U		0.83	U		0.83	U	
ISOPROPYLBENZENE		0.49	U		0.49	U		0.49	U		0.49	U	
M+P-XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
METHYL TERT-BUTYL ETHER		0.47	U		0.47	U		0.47	U		0.47	U	
METHYLENE CHLORIDE		2.6	U		2.6	U		2.6	U		2.6	U	
NAPHTHALENE		0.8	U		0.8	U		0.8	U		0.8	U	
N-BUTYLBENZENE		0.6	U		0.6	U		0.6	U		0.6	U	
N-PROPYLBENZENE		0.57	U		0.57	U		0.57	U		0.57	U	
O-XYLENE		0.42	U		0.42	U		0.42	U		0.42	U	
SEC-BUTYLBENZENE		0.53	U		0.53	U		0.53	U		0.53	U	
STYRENE		0.45	U		0.45	U		0.45	U		0.45	U	
TERT-AMYL METHYL ETHER		0.43	U		0.43	U		0.43	U		0.43	U	
TERT-BUTYLBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
TERTIARY-BUTYL ALCOHOL		7.2	UJ	C	7.2	UJ	C	7.2	UJ	C	7.2	UJ	C
TETRACHLOROETHENE		0.44	UJ	C	0.44	UJ	C	0.44	UJ	C	0.44	UJ	C
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: 09567	NSAMPLE	MSA-SW40A-082222			MSA-SW40B-082222			MSA-SW40C-082222			MSA-SW40D-082222		
SDG: 240-171981-1	LAB_ID	240-171981-9			240-171981-10			240-171981-11			240-171981-12		
FRACTION: OV	SAMP_DATE	8/22/2022			8/22/2022			8/22/2022			8/22/2022		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.59	U		0.59	U		0.59	U		0.59	U	
CARBON TETRACHLORIDE		0.26	U		0.26	U		0.26	U		0.26	U	
CHLOROBENZENE		0.38	U		0.38	U		0.38	U		0.38	U	
CHLORODIBROMOMETHANE		0.39	U		0.39	U		0.39	U		0.39	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.83	UJ	C	0.83	UJ	C	0.83	UJ	C	0.83	UJ	C
CHLOROFORM		0.47	U		0.47	U		0.47	U		0.47	U	
CHLOROMETHANE		0.63	U		0.63	U		0.63	U		0.63	U	
CIS-1,2-DICHLOROETHENE		0.46	U		0.46	U		0.46	U		0.46	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U		0.61	U		0.61	U	
DIBROMOMETHANE		0.4	U		0.4	U		0.4	U		0.4	U	
DICHLORODIFLUOROMETHANE		0.35	UJ	C	0.35	UJ	C	0.35	UJ	C	0.35	UJ	C
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	U		0.4	U		0.4	U		0.4	U	
ETHYLBENZENE		0.42	U		0.42	U		0.42	U		0.42	U	
HEXACHLOROBUTADIENE		0.83	U		0.83	U		0.83	U		0.83	U	
ISOPROPYLBENZENE		0.49	U		0.49	U		0.49	U		0.49	U	
M+P-XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
METHYL TERT-BUTYL ETHER		0.47	U		0.47	U		0.47	U		0.47	U	
METHYLENE CHLORIDE		2.6	U		2.6	U		2.6	U		2.6	U	
NAPHTHALENE		0.8	U		0.8	U		0.8	U		0.8	U	
N-BUTYLBENZENE		0.6	U		0.6	U		0.6	U		0.6	U	
N-PROPYLBENZENE		0.57	U		0.57	U		0.57	U		0.57	U	
O-XYLENE		0.42	U		0.42	U		0.42	U		0.42	U	
SEC-BUTYLBENZENE		0.53	U		0.53	U		0.53	U		0.53	U	
STYRENE		0.45	U		0.45	U		0.45	U		0.45	U	
TERT-AMYL METHYL ETHER		0.43	U		0.43	U		0.43	U		0.43	U	
TERT-BUTYLBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
TERTIARY-BUTYL ALCOHOL		7.2	UJ	C	7.2	UJ	C	7.2	UJ	C	7.2	UJ	C
TETRACHLOROETHENE		0.44	UJ	C	0.44	UJ	C	0.44	UJ	C	0.44	UJ	C
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: 09567	NSAMPLE	MSA-SW41A-082222			MSA-SW41B-082222			MSA-SW41C-082222			MSA-SW41D-082222		
SDG: 240-171981-1	LAB_ID	240-171981-13			240-171981-14			240-171981-15			240-171981-16		
FRACTION: OV	SAMP_DATE	8/22/2022			8/22/2022			8/22/2022			8/22/2022		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.59	U		0.59	U		0.59	U		0.59	U	
CARBON TETRACHLORIDE		0.26	U		0.26	U		0.26	U		0.26	U	
CHLOROBENZENE		0.38	U		0.38	U		0.38	U		0.38	U	
CHLORODIBROMOMETHANE		0.39	U		0.39	U		0.39	U		0.39	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.83	UJ	C	0.83	UJ	C	0.83	UJ	C	0.83	UJ	C
CHLOROFORM		0.47	U		0.47	U		0.47	U		0.47	U	
CHLOROMETHANE		0.63	U		0.63	U		0.63	U		0.63	U	
CIS-1,2-DICHLOROETHENE		0.46	U		0.46	U		0.46	U		0.46	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U		0.61	U		0.61	U	
DIBROMOMETHANE		0.4	U		0.4	U		0.4	U		0.4	U	
DICHLORODIFLUOROMETHANE		0.35	UJ	C	0.35	UJ	C	0.35	UJ	C	0.35	UJ	C
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	U		0.4	U		0.4	U		0.4	U	
ETHYLBENZENE		0.42	U		0.42	U		0.42	U		0.42	U	
HEXACHLOROBUTADIENE		0.83	U		0.83	U		0.83	U		0.83	U	
ISOPROPYLBENZENE		0.49	U		0.49	U		0.49	U		0.49	U	
M+P-XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
METHYL TERT-BUTYL ETHER		0.47	U		0.47	U		0.47	U		0.47	U	
METHYLENE CHLORIDE		2.6	U		2.6	U		2.6	U		2.6	U	
NAPHTHALENE		0.8	U		0.8	U		0.8	U		0.8	U	
N-BUTYLBENZENE		0.6	U		0.6	U		0.6	U		0.6	U	
N-PROPYLBENZENE		0.57	U		0.57	U		0.57	U		0.57	U	
O-XYLENE		0.42	U		0.42	U		0.42	U		0.42	U	
SEC-BUTYLBENZENE		0.53	U		0.53	U		0.53	U		0.53	U	
STYRENE		0.45	U		0.45	U		0.45	U		0.45	U	
TERT-AMYL METHYL ETHER		0.43	U		0.43	U		0.43	U		0.43	U	
TERT-BUTYLBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
TERTIARY-BUTYL ALCOHOL		7.2	UJ	C	7.2	UJ	C	7.2	UJ	C	7.2	UJ	C
TETRACHLOROETHENE		0.44	UJ	C	0.44	UJ	C	0.44	UJ	C	0.44	UJ	C
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: 09567	NSAMPLE	MSA-SW42A-082222			MSA-SW42B-082222			MSA-SW42C-082222			MSA-SW42D-082222		
SDG: 240-171981-1	LAB_ID	240-171981-17			240-171981-18			240-171981-19			240-171981-20		
FRACTION: OV	SAMP_DATE	8/22/2022			8/22/2022			8/22/2022			8/22/2022		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.59	U		0.59	U		0.59	U		0.59	U	
CARBON TETRACHLORIDE		0.26	U		0.26	U		0.26	U		0.26	U	
CHLOROBENZENE		0.38	U		0.38	U		0.38	U		0.38	U	
CHLORODIBROMOMETHANE		0.39	U		0.39	U		0.39	U		0.39	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.83	UJ	C	0.83	UJ	C	0.83	UJ	C	0.83	UJ	C
CHLOROFORM		0.47	U		0.47	U		0.47	U		0.47	U	
CHLOROMETHANE		0.63	U		0.63	U		0.63	U		0.63	U	
CIS-1,2-DICHLOROETHENE		0.46	U		0.46	U		0.46	U		0.46	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U		0.61	U		0.61	U	
DIBROMOMETHANE		0.4	U		0.4	U		0.4	U		0.4	U	
DICHLORODIFLUOROMETHANE		0.35	UJ	C	0.35	UJ	C	0.35	UJ	C	0.35	U	
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	U		0.4	U		0.4	U		0.4	U	
ETHYLBENZENE		0.42	U		0.42	U		0.42	U		0.42	U	
HEXACHLOROBUTADIENE		0.83	U		0.83	U		0.83	U		0.83	U	
ISOPROPYLBENZENE		0.49	U		0.49	U		0.49	U		0.49	U	
M+P-XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
METHYL TERT-BUTYL ETHER		0.47	U		0.47	U		0.47	U		0.47	U	
METHYLENE CHLORIDE		2.6	U		2.6	U		2.6	U		2.6	U	
NAPHTHALENE		0.8	U		0.8	U		0.8	U		0.8	U	
N-BUTYLBENZENE		0.6	U		0.6	U		0.6	U		0.6	U	
N-PROPYLBENZENE		0.57	U		0.57	U		0.57	U		0.57	U	
O-XYLENE		0.42	U		0.42	U		0.42	U		0.42	U	
SEC-BUTYLBENZENE		0.53	U		0.53	U		0.53	U		0.53	U	
STYRENE		0.45	U		0.45	U		0.45	U		0.45	U	
TERT-AMYL METHYL ETHER		0.43	U		0.43	U		0.43	U		0.43	U	
TERT-BUTYLBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
TERTIARY-BUTYL ALCOHOL		7.2	UJ	C	7.2	UJ	C	7.2	UJ	C	7.2	UJ	C
TETRACHLOROETHENE		0.44	UJ	C	0.44	UJ	C	0.44	UJ	C	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: 09567	NSAMPLE	MSA-SW43A-082222			MSA-SW43B-082222			MSA-SW43C-082222			MSA-SW43D-082222		
SDG: 240-171981-1	LAB_ID	240-171981-21			240-171981-22			240-171981-23			240-171981-24		
FRACTION: OV	SAMP_DATE	8/22/2022			8/22/2022			8/22/2022			8/22/2022		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.59	U		0.59	U		0.59	U		0.59	U	
CARBON TETRACHLORIDE		0.26	U		0.26	U		0.26	U		0.26	U	
CHLOROBENZENE		0.38	U		0.38	U		0.38	U		0.38	U	
CHLORODIBROMOMETHANE		0.39	U		0.39	U		0.39	U		0.39	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.83	UJ	C	0.83	UJ	C	0.83	UJ	C	0.83	UJ	C
CHLOROFORM		0.47	U		0.47	U		0.47	U		0.47	U	
CHLOROMETHANE		0.63	U		0.63	U		0.63	U		0.63	U	
CIS-1,2-DICHLOROETHENE		0.46	U		0.46	U		0.46	U		0.46	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U		0.61	U		0.61	U	
DIBROMOMETHANE		0.4	U		0.4	U		0.4	U		0.4	U	
DICHLORODIFLUOROMETHANE		0.35	U		0.35	U		0.35	U		0.35	U	
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	U		0.4	U		0.4	U		0.4	U	
ETHYLBENZENE		0.42	U		0.42	U		0.42	U		0.42	U	
HEXACHLOROBUTADIENE		0.83	U		0.83	U		0.83	U		0.83	U	
ISOPROPYLBENZENE		0.49	U		0.49	U		0.49	U		0.49	U	
M+P-XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
METHYL TERT-BUTYL ETHER		0.47	U		0.47	U		0.47	U		0.47	U	
METHYLENE CHLORIDE		2.6	U		2.6	U		2.6	U		2.6	U	
NAPHTHALENE		0.8	U		0.8	U		0.8	U		0.8	U	
N-BUTYLBENZENE		0.6	U		0.6	U		0.6	U		0.6	U	
N-PROPYLBENZENE		0.57	U		0.57	U		0.57	U		0.57	U	
O-XYLENE		0.42	U		0.42	U		0.42	U		0.42	U	
SEC-BUTYLBENZENE		0.53	U		0.53	U		0.53	U		0.53	U	
STYRENE		0.45	U		0.45	U		0.45	U		0.45	U	
TERT-AMYL METHYL ETHER		0.43	U		0.43	U		0.43	U		0.43	U	
TERT-BUTYLBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
TERTIARY-BUTYL ALCOHOL		7.2	UJ	C	7.2	UJ	C	7.2	UJ	C	7.2	UJ	C
TETRACHLOROETHENE		0.44	U		0.44	U		0.44	U		0.44	U	
TOLUENE		0.44	U		0.44	U		0.44	U		0.44	U	
TOTAL XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
TRANS-1,2-DICHLOROETHENE		0.51	U		0.51	U		0.51	U		0.51	U	
TRANS-1,3-DICHLOROPROPENE		0.67	U		0.67	U		0.67	U		0.67	U	
TRICHLOROETHENE		0.44	U		0.44	U		0.44	U		0.44	U	

PROJ_NO: 09567	NSAMPLE	MSA-SW46A-082222			MSA-SW47A-082222			MSA-SW48A-082222			MSA-SW49A-082222		
SDG: 240-171981-1	LAB_ID	240-171981-26			240-171981-27			240-171981-28			240-171981-29		
FRACTION: OV	SAMP_DATE	8/22/2022			8/22/2022			8/22/2022			8/22/2022		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.59	U		0.59	U		0.59	U		0.59	U	
CARBON TETRACHLORIDE		0.26	U		0.26	U		0.26	U		0.26	U	
CHLOROBENZENE		0.38	U		0.38	U		0.38	U		0.38	U	
CHLORODIBROMOMETHANE		0.39	U		0.39	U		0.39	U		0.39	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q	1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.83	UJ	C	0.83	UJ	C	0.83	UJ	C	0.83	UJ	C
CHLOROFORM		0.47	U		0.47	U		0.47	U		0.47	U	
CHLOROMETHANE		0.63	U		0.63	U		0.63	U		0.63	U	
CIS-1,2-DICHLOROETHENE		0.46	U		0.46	U		0.46	U		0.46	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U		0.61	U		0.61	U	
DIBROMOMETHANE		0.4	U		0.4	U		0.4	U		0.4	U	
DICHLORODIFLUOROMETHANE		0.35	U		0.35	U		0.35	U		0.35	U	
DIISOPROPYL ETHER		0.17	U		0.17	U		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	U		0.4	U		0.4	U		0.4	U	
ETHYLBENZENE		0.42	U		0.42	U		0.42	U		0.42	U	
HEXACHLOROBUTADIENE		0.83	U		0.83	U		0.83	U		0.83	U	
ISOPROPYLBENZENE		0.49	U		0.49	U		0.49	U		0.49	U	
M+P-XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
METHYL TERT-BUTYL ETHER		0.47	U		0.47	U		0.47	U		0.47	U	
METHYLENE CHLORIDE		2.6	U		2.6	U		2.6	U		2.6	U	
NAPHTHALENE		0.8	U		0.8	U		0.8	U		0.8	U	
N-BUTYLBENZENE		0.6	U		0.6	U		0.6	U		0.6	U	
N-PROPYLBENZENE		0.57	U		0.57	U		0.57	U		0.57	U	
O-XYLENE		0.42	U		0.42	U		0.42	U		0.42	U	
SEC-BUTYLBENZENE		0.53	U		0.53	U		0.53	U		0.53	U	
STYRENE		0.45	U		0.45	U		0.45	U		0.45	U	
TERT-AMYL METHYL ETHER		0.43	U		0.43	U		0.43	U		0.43	U	
TERT-BUTYLBENZENE		0.48	U		0.48	U		0.48	U		0.48	U	
TERTIARY-BUTYL ALCOHOL		7.2	UJ	C	7.2	UJ	C	7.2	UJ	C	7.2	UJ	C
TETRACHLOROETHENE		0.44	U		0.44	U		0.44	U		0.44	U	
TOLUENE		0.44	U		0.44	U		0.44	U		0.44	U	
TOTAL XYLENES		0.42	U		0.42	U		0.42	U		0.42	U	
TRANS-1,2-DICHLOROETHENE		0.51	U		0.51	U		0.51	U		0.51	U	
TRANS-1,3-DICHLOROPROPENE		0.67	U		0.67	U		0.67	U		0.67	U	
TRICHLOROETHENE		0.44	U		0.44	U		0.44	U		0.44	U	

PROJ_NO: 09567	NSAMPLE	MSA-SWEQB-082222			TB-082222		
SDG: 240-171981-1	LAB_ID	240-171981-30			240-171981-25		
FRACTION: OV	SAMP_DATE	8/22/2022			8/22/2022		
MEDIA: WATER	QC_TYPE	NM			NM		
	UNITS	UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
CARBON DISULFIDE		0.59	U		0.59	U	
CARBON TETRACHLORIDE		0.26	U		0.26	U	
CHLOROBENZENE		0.38	U		0.38	U	
CHLORODIBROMOMETHANE		0.39	U		0.39	U	
CHLORODIFLUOROMETHANE		1	UJ	Q	1	UJ	Q
CHLOROETHANE		0.83	UJ	C	0.83	UJ	C
CHLOROFORM		0.47	U		0.47	U	
CHLOROMETHANE		0.63	U		0.63	U	
CIS-1,2-DICHLOROETHENE		0.46	U		0.46	U	
CIS-1,3-DICHLOROPROPENE		0.61	U		0.61	U	
DIBROMOMETHANE		0.4	U		0.4	U	
DICHLORODIFLUOROMETHANE		0.35	U		0.35	U	
DIISOPROPYL ETHER		0.17	U		0.17	U	
ETHYL TERT-BUTYL ETHER		0.4	U		0.4	U	
ETHYLBENZENE		0.42	U		0.42	U	
HEXACHLOROBUTADIENE		0.83	U		0.83	U	
ISOPROPYLBENZENE		0.49	U		0.49	U	
M+P-XYLENES		0.42	U		0.42	U	
METHYL TERT-BUTYL ETHER		0.47	U		0.47	U	
METHYLENE CHLORIDE		2.6	U		2.6	U	
NAPHTHALENE		0.8	U		0.8	U	
N-BUTYLBENZENE		0.6	U		0.6	U	
N-PROPYLBENZENE		0.57	U		0.57	U	
O-XYLENE		0.42	U		0.42	U	
SEC-BUTYLBENZENE		0.53	U		0.53	U	
STYRENE		0.45	U		0.45	U	
TERT-AMYL METHYL ETHER		0.43	U		0.43	U	
TERT-BUTYLBENZENE		0.48	U		0.48	U	
TERTIARY-BUTYL ALCOHOL		7.2	UJ	C	7.2	UJ	C
TETRACHLOROETHENE		0.44	U		0.44	U	
TOLUENE		0.44	U		0.44	U	
TOTAL XYLENES		0.42	U		0.42	U	
TRANS-1,2-DICHLOROETHENE		0.51	U		0.51	U	
TRANS-1,3-DICHLOROPROPENE		0.67	U		0.67	U	
TRICHLOROETHENE		0.44	U		0.44	U	

PROJ_NO: 09567	NSAMPLE	MSA-SW37A-082222			MSA-SW37B-082222			MSA-SW37C-082222			MSA-SW37D-082222		
SDG: 240-171981-1	LAB_ID	240-171981-1			240-171981-2			240-171981-3			240-171981-4		
FRACTION: OV	SAMP_DATE	8/22/2022			8/22/2022			8/22/2022			8/22/2022		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.45	U		0.45	U		0.45	U		0.45	U	
VINYL ACETATE		0.61	UJ	C	0.61	UJ	C	0.61	UJ	C	0.61	UJ	C
VINYL CHLORIDE		0.45	U		0.45	U		0.45	U		0.45	U	

PROJ_NO: 09567	NSAMPLE	MSA-SW38A-082222			MSA-SW38B-082222			MSA-SW38C-082222			MSA-SW38D-082222		
SDG: 240-171981-1	LAB_ID	240-171981-5			240-171981-6			240-171981-7			240-171981-8		
FRACTION: OV	SAMP_DATE	8/22/2022			8/22/2022			8/22/2022			8/22/2022		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.45	U		0.45	U		0.45	U		0.45	U	
VINYL ACETATE		0.61	UJ	C	0.61	UJ	C	0.61	UJ	C	0.61	UJ	C
VINYL CHLORIDE		0.45	U		0.45	U		0.45	U		0.45	U	

PROJ_NO: 09567	NSAMPLE	MSA-SW40A-082222			MSA-SW40B-082222			MSA-SW40C-082222			MSA-SW40D-082222		
SDG: 240-171981-1	LAB_ID	240-171981-9			240-171981-10			240-171981-11			240-171981-12		
FRACTION: OV	SAMP_DATE	8/22/2022			8/22/2022			8/22/2022			8/22/2022		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.45	U		0.45	U		0.45	U		0.45	U	
VINYL ACETATE		0.61	UJ	C	0.61	UJ	C	0.61	UJ	C	0.61	UJ	C
VINYL CHLORIDE		0.45	U		0.45	U		0.45	U		0.45	U	

PROJ_NO: 09567	NSAMPLE	MSA-SW41A-082222			MSA-SW41B-082222			MSA-SW41C-082222			MSA-SW41D-082222		
SDG: 240-171981-1	LAB_ID	240-171981-13			240-171981-14			240-171981-15			240-171981-16		
FRACTION: OV	SAMP_DATE	8/22/2022			8/22/2022			8/22/2022			8/22/2022		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.45	U		0.45	U		0.45	U		0.45	U	
VINYL ACETATE		0.61	UJ	C	0.61	UJ	C	0.61	UJ	C	0.61	UJ	C
VINYL CHLORIDE		0.45	U		0.45	U		0.45	U		0.45	U	

PROJ_NO: 09567	NSAMPLE	MSA-SW42A-082222			MSA-SW42B-082222			MSA-SW42C-082222			MSA-SW42D-082222		
SDG: 240-171981-1	LAB_ID	240-171981-17			240-171981-18			240-171981-19			240-171981-20		
FRACTION: OV	SAMP_DATE	8/22/2022			8/22/2022			8/22/2022			8/22/2022		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.45	U		0.45	U		0.45	U		0.45	U	
VINYL ACETATE		0.61	UJ	C	0.61	UJ	C	0.61	UJ	C	0.61	UJ	C
VINYL CHLORIDE		0.45	U		0.45	U		0.45	U		0.45	U	

PROJ_NO: 09567	NSAMPLE	MSA-SW43A-082222			MSA-SW43B-082222			MSA-SW43C-082222			MSA-SW43D-082222		
SDG: 240-171981-1	LAB_ID	240-171981-21			240-171981-22			240-171981-23			240-171981-24		
FRACTION: OV	SAMP_DATE	8/22/2022			8/22/2022			8/22/2022			8/22/2022		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.45	U		0.45	U		0.45	U		0.45	U	
VINYL ACETATE		0.61	UJ	C	0.61	UJ	C	0.61	UJ	C	0.61	UJ	C
VINYL CHLORIDE		0.45	U		0.45	U		0.45	U		0.45	U	

PROJ_NO: 09567	NSAMPLE	MSA-SW46A-082222			MSA-SW47A-082222			MSA-SW48A-082222			MSA-SW49A-082222		
SDG: 240-171981-1	LAB_ID	240-171981-26			240-171981-27			240-171981-28			240-171981-29		
FRACTION: OV	SAMP_DATE	8/22/2022			8/22/2022			8/22/2022			8/22/2022		
MEDIA: WATER	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/L			UG/L			UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0			0.0			0.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.45	U		0.45	U		0.45	U		0.45	U	
VINYL ACETATE		0.61	UJ	C	0.61	UJ	C	0.61	UJ	C	0.61	UJ	C
VINYL CHLORIDE		0.45	U		0.45	U		0.45	U		0.45	U	

PROJ_NO: 09567	NSAMPLE	MSA-SWEQB-082222			TB-082222		
SDG: 240-171981-1	LAB_ID	240-171981-30			240-171981-25		
FRACTION: OV	SAMP_DATE	8/22/2022			8/22/2022		
MEDIA: WATER	QC_TYPE	NM			NM		
	UNITS	UG/L			UG/L		
	PCT_SOLIDS	0.0			0.0		
	DUP_OF						
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD
TRICHLOROFLUOROMETHANE		0.45	U		0.45	U	
VINYL ACETATE		0.61	UJ	C	0.61	UJ	C
VINYL CHLORIDE		0.45	U		0.45	U	

Appendix B

Results as Reported by the Laboratory

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37A-082222 | Lab Sample ID: 240-171981-1

Matrix: Water | Lab File ID: 227982.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:40

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 13:53

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37A-082222 | Lab Sample ID: 240-171981-1

Matrix: Water | Lab File ID: 227982.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:40

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 13:53

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37A-082222 | Lab Sample ID: 240-171981-1

Matrix: Water | Lab File ID: 227982.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:40

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 13:53

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		56-136
1868-53-7	Dibromofluoromethane (Surr)	106		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		62-137
2037-26-5	Toluene-d8 (Surr)	102		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37A-082222 | Lab Sample ID: 240-171981-1

Matrix: Water | Lab File ID: 227982.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:40

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 13:53

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37B-082222 | Lab Sample ID: 240-171981-2

Matrix: Water | Lab File ID: 227983.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:42

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 14:17

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37B-082222 | Lab Sample ID: 240-171981-2

Matrix: Water | Lab File ID: 227983.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:42

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 14:17

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37B-082222 | Lab Sample ID: 240-171981-2

Matrix: Water | Lab File ID: 227983.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:42

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 14:17

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	108		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		62-137
2037-26-5	Toluene-d8 (Surr)	104		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37B-082222 | Lab Sample ID: 240-171981-2

Matrix: Water | Lab File ID: 227983.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:42

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 14:17

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37C-082222 | Lab Sample ID: 240-171981-3

Matrix: Water | Lab File ID: 227984.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:44

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 14:40

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37C-082222 | Lab Sample ID: 240-171981-3

Matrix: Water | Lab File ID: 227984.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:44

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 14:40

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37C-082222 | Lab Sample ID: 240-171981-3

Matrix: Water | Lab File ID: 227984.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:44

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 14:40

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	108		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		62-137
2037-26-5	Toluene-d8 (Surr)	102		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37C-082222 | Lab Sample ID: 240-171981-3

Matrix: Water | Lab File ID: 227984.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:44

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 14:40

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37D-082222 | Lab Sample ID: 240-171981-4

Matrix: Water | Lab File ID: 227985.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:47

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 15:04

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37D-082222 | Lab Sample ID: 240-171981-4

Matrix: Water | Lab File ID: 227985.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:47

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 15:04

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37D-082222 | Lab Sample ID: 240-171981-4

Matrix: Water | Lab File ID: 227985.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:47

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 15:04

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	108		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		62-137
2037-26-5	Toluene-d8 (Surr)	103		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37D-082222 | Lab Sample ID: 240-171981-4

Matrix: Water | Lab File ID: 227985.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:47

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 15:04

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW38A-082222 | Lab Sample ID: 240-171981-5

Matrix: Water | Lab File ID: 227986.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:53

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 15:27

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW38A-082222 | Lab Sample ID: 240-171981-5

Matrix: Water | Lab File ID: 227986.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:53

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 15:27

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW38A-082222 | Lab Sample ID: 240-171981-5

Matrix: Water | Lab File ID: 227986.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:53

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 15:27

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	108		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		62-137
2037-26-5	Toluene-d8 (Surr)	103		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW38A-082222 | Lab Sample ID: 240-171981-5

Matrix: Water | Lab File ID: 227986.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:53

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 15:27

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW38B-082222 | Lab Sample ID: 240-171981-6

Matrix: Water | Lab File ID: 227987.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:55

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 15:51

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW38B-082222 | Lab Sample ID: 240-171981-6

Matrix: Water | Lab File ID: 227987.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:55

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 15:51

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW38B-082222 | Lab Sample ID: 240-171981-6

Matrix: Water | Lab File ID: 227987.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:55

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 15:51

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	108		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		62-137
2037-26-5	Toluene-d8 (Surr)	102		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW38B-082222 | Lab Sample ID: 240-171981-6

Matrix: Water | Lab File ID: 227987.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:55

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 15:51

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW38C-082222 | Lab Sample ID: 240-171981-7

Matrix: Water | Lab File ID: 227988.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:58

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 16:15

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW38C-082222 | Lab Sample ID: 240-171981-7

Matrix: Water | Lab File ID: 227988.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:58

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 16:15

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW38C-082222 | Lab Sample ID: 240-171981-7

Matrix: Water | Lab File ID: 227988.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:58

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 16:15

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		56-136
1868-53-7	Dibromofluoromethane (Surr)	107		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		62-137
2037-26-5	Toluene-d8 (Surr)	102		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW38C-082222 | Lab Sample ID: 240-171981-7

Matrix: Water | Lab File ID: 227988.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:58

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 16:15

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW38D-082222 | Lab Sample ID: 240-171981-8

Matrix: Water | Lab File ID: 227989.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 16:38

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW38D-082222 | Lab Sample ID: 240-171981-8

Matrix: Water | Lab File ID: 227989.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 16:38

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW38D-082222 | Lab Sample ID: 240-171981-8

Matrix: Water | Lab File ID: 227989.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 16:38

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		56-136
1868-53-7	Dibromofluoromethane (Surr)	107		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		62-137
2037-26-5	Toluene-d8 (Surr)	100		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW38D-082222 | Lab Sample ID: 240-171981-8

Matrix: Water | Lab File ID: 227989.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 16:38

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW40A-082222 | Lab Sample ID: 240-171981-9

Matrix: Water | Lab File ID: 227990.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:11

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 17:02

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW40A-082222 | Lab Sample ID: 240-171981-9

Matrix: Water | Lab File ID: 227990.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:11

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 17:02

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW40A-082222 | Lab Sample ID: 240-171981-9

Matrix: Water | Lab File ID: 227990.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:11

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 17:02

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	95		56-136
1868-53-7	Dibromofluoromethane (Surr)	104		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		62-137
2037-26-5	Toluene-d8 (Surr)	101		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW40A-082222 | Lab Sample ID: 240-171981-9

Matrix: Water | Lab File ID: 227990.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:11

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 17:02

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW40B-082222 | Lab Sample ID: 240-171981-10

Matrix: Water | Lab File ID: 227991.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:14

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 17:26

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW40B-082222 | Lab Sample ID: 240-171981-10

Matrix: Water | Lab File ID: 227991.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:14

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 17:26

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW40B-082222 | Lab Sample ID: 240-171981-10

Matrix: Water | Lab File ID: 227991.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:14

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 17:26

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	107		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		62-137
2037-26-5	Toluene-d8 (Surr)	101		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW40B-082222 | Lab Sample ID: 240-171981-10

Matrix: Water | Lab File ID: 227991.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:14

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 17:26

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW40C-082222 | Lab Sample ID: 240-171981-11

Matrix: Water | Lab File ID: 227992.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:17

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 17:49

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW40C-082222 | Lab Sample ID: 240-171981-11

Matrix: Water | Lab File ID: 227992.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:17

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 17:49

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW40C-082222 | Lab Sample ID: 240-171981-11

Matrix: Water | Lab File ID: 227992.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:17

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 17:49

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	105		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		62-137
2037-26-5	Toluene-d8 (Surr)	99		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW40C-082222 | Lab Sample ID: 240-171981-11

Matrix: Water | Lab File ID: 227992.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:17

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 17:49

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW40D-082222 | Lab Sample ID: 240-171981-12

Matrix: Water | Lab File ID: 227993.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:20

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 18:13

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW40D-082222 | Lab Sample ID: 240-171981-12

Matrix: Water | Lab File ID: 227993.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:20

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 18:13

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW40D-082222 | Lab Sample ID: 240-171981-12

Matrix: Water | Lab File ID: 227993.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:20

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 18:13

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		56-136
1868-53-7	Dibromofluoromethane (Surr)	103		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		62-137
2037-26-5	Toluene-d8 (Surr)	100		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW40D-082222 | Lab Sample ID: 240-171981-12

Matrix: Water | Lab File ID: 227993.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:20

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 18:13

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW41A-082222 | Lab Sample ID: 240-171981-13

Matrix: Water | Lab File ID: 227994.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:34

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 18:37

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW41A-082222 | Lab Sample ID: 240-171981-13

Matrix: Water | Lab File ID: 227994.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:34

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 18:37

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW41A-082222 | Lab Sample ID: 240-171981-13

Matrix: Water | Lab File ID: 227994.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:34

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 18:37

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	105		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		62-137
2037-26-5	Toluene-d8 (Surr)	99		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW41A-082222 | Lab Sample ID: 240-171981-13

Matrix: Water | Lab File ID: 227994.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:34

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 18:37

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW41B-082222 | Lab Sample ID: 240-171981-14

Matrix: Water | Lab File ID: 227995.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:38

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 19:01

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW41B-082222 | Lab Sample ID: 240-171981-14

Matrix: Water | Lab File ID: 227995.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:38

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 19:01

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW41B-082222 | Lab Sample ID: 240-171981-14

Matrix: Water | Lab File ID: 227995.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:38

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 19:01

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	104		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		62-137
2037-26-5	Toluene-d8 (Surr)	98		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW41B-082222 | Lab Sample ID: 240-171981-14

Matrix: Water | Lab File ID: 227995.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:38

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 19:01

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW41C-082222 | Lab Sample ID: 240-171981-15

Matrix: Water | Lab File ID: 227996.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:40

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 19:24

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW41C-082222 | Lab Sample ID: 240-171981-15

Matrix: Water | Lab File ID: 227996.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:40

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 19:24

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW41C-082222 | Lab Sample ID: 240-171981-15

Matrix: Water | Lab File ID: 227996.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:40

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 19:24

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	95		56-136
1868-53-7	Dibromofluoromethane (Surr)	105		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		62-137
2037-26-5	Toluene-d8 (Surr)	99		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW41C-082222 | Lab Sample ID: 240-171981-15

Matrix: Water | Lab File ID: 227996.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:40

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 19:24

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW41D-082222 | Lab Sample ID: 240-171981-16

Matrix: Water | Lab File ID: 227997.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:43

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 19:48

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW41D-082222 | Lab Sample ID: 240-171981-16

Matrix: Water | Lab File ID: 227997.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:43

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 19:48

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW41D-082222 | Lab Sample ID: 240-171981-16

Matrix: Water | Lab File ID: 227997.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:43

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 19:48

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	102		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
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW41D-082222 | Lab Sample ID: 240-171981-16

Matrix: Water | Lab File ID: 227997.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:43

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 19:48

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42A-082222 | Lab Sample ID: 240-171981-17

Matrix: Water | Lab File ID: 227998.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:26

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 20:11

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42A-082222 | Lab Sample ID: 240-171981-17

Matrix: Water | Lab File ID: 227998.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:26

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 20:11

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42A-082222 | Lab Sample ID: 240-171981-17

Matrix: Water | Lab File ID: 227998.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:26

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 20:11

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	104		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		62-137
2037-26-5	Toluene-d8 (Surr)	97		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42A-082222 | Lab Sample ID: 240-171981-17

Matrix: Water | Lab File ID: 227998.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:26

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 20:11

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42B-082222 | Lab Sample ID: 240-171981-18

Matrix: Water | Lab File ID: 227999.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:28

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 20:35

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42B-082222 | Lab Sample ID: 240-171981-18

Matrix: Water | Lab File ID: 227999.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:28

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 20:35

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42B-082222 | Lab Sample ID: 240-171981-18

Matrix: Water | Lab File ID: 227999.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:28

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 20:35

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	104		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		62-137
2037-26-5	Toluene-d8 (Surr)	98		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42B-082222 | Lab Sample ID: 240-171981-18

Matrix: Water | Lab File ID: 227999.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:28

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 20:35

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42C-082222 | Lab Sample ID: 240-171981-19

Matrix: Water | Lab File ID: 228000.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:31

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 20:59

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42C-082222 | Lab Sample ID: 240-171981-19

Matrix: Water | Lab File ID: 228000.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:31

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 20:59

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42C-082222 | Lab Sample ID: 240-171981-19

Matrix: Water | Lab File ID: 228000.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:31

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 20:59

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	91		56-136
1868-53-7	Dibromofluoromethane (Surr)	103		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		62-137
2037-26-5	Toluene-d8 (Surr)	96		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42C-082222 | Lab Sample ID: 240-171981-19

Matrix: Water | Lab File ID: 228000.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:31

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 20:59

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42D-082222 | Lab Sample ID: 240-171981-20

Matrix: Water | Lab File ID: 228015.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:35

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 17:44

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42D-082222 | Lab Sample ID: 240-171981-20

Matrix: Water | Lab File ID: 228015.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:35

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 17:44

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42D-082222 | Lab Sample ID: 240-171981-20

Matrix: Water | Lab File ID: 228015.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:35

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 17:44

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	108		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		62-137
2037-26-5	Toluene-d8 (Surr)	101		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42D-082222 | Lab Sample ID: 240-171981-20

Matrix: Water | Lab File ID: 228015.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:35

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 17:44

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW43A-082222 | Lab Sample ID: 240-171981-21

Matrix: Water | Lab File ID: 228016.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:12

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 18:08

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW43A-082222 | Lab Sample ID: 240-171981-21

Matrix: Water | Lab File ID: 228016.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:12

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 18:08

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW43A-082222 | Lab Sample ID: 240-171981-21

Matrix: Water | Lab File ID: 228016.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:12

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 18:08

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	108		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		62-137
2037-26-5	Toluene-d8 (Surr)	103		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW43A-082222 | Lab Sample ID: 240-171981-21

Matrix: Water | Lab File ID: 228016.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:12

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 18:08

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW43B-082222 | Lab Sample ID: 240-171981-22

Matrix: Water | Lab File ID: 228017.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:17

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 18:31

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW43B-082222 | Lab Sample ID: 240-171981-22

Matrix: Water | Lab File ID: 228017.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:17

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 18:31

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW43B-082222 | Lab Sample ID: 240-171981-22

Matrix: Water | Lab File ID: 228017.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:17

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 18:31

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		56-136
1868-53-7	Dibromofluoromethane (Surr)	106		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		62-137
2037-26-5	Toluene-d8 (Surr)	100		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW43B-082222 | Lab Sample ID: 240-171981-22

Matrix: Water | Lab File ID: 228017.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:17

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 18:31

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW43C-082222 | Lab Sample ID: 240-171981-23

Matrix: Water | Lab File ID: 228018.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:19

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 18:55

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW43C-082222 | Lab Sample ID: 240-171981-23

Matrix: Water | Lab File ID: 228018.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:19

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 18:55

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW43C-082222 | Lab Sample ID: 240-171981-23

Matrix: Water | Lab File ID: 228018.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:19

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 18:55

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		56-136
1868-53-7	Dibromofluoromethane (Surr)	108		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		62-137
2037-26-5	Toluene-d8 (Surr)	102		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW43C-082222 | Lab Sample ID: 240-171981-23

Matrix: Water | Lab File ID: 228018.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:19

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 18:55

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW43D-082222 | Lab Sample ID: 240-171981-24

Matrix: Water | Lab File ID: 228019.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:25

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 19:18

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW43D-082222 | Lab Sample ID: 240-171981-24

Matrix: Water | Lab File ID: 228019.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:25

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 19:18

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW43D-082222 | Lab Sample ID: 240-171981-24

Matrix: Water | Lab File ID: 228019.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:25

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 19:18

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		56-136
1868-53-7	Dibromofluoromethane (Surr)	107		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		62-137
2037-26-5	Toluene-d8 (Surr)	100		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW43D-082222 | Lab Sample ID: 240-171981-24

Matrix: Water | Lab File ID: 228019.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:25

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 19:18

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: TB-082222 | Lab Sample ID: 240-171981-25

Matrix: Water | Lab File ID: 228013.D

Analysis Method: 8260C | Date Collected: 08/22/2022 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 16:57

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: TB-082222 | Lab Sample ID: 240-171981-25

Matrix: Water | Lab File ID: 228013.D

Analysis Method: 8260C | Date Collected: 08/22/2022 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 16:57

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: TB-082222 | Lab Sample ID: 240-171981-25

Matrix: Water | Lab File ID: 228013.D

Analysis Method: 8260C | Date Collected: 08/22/2022 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 16:57

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		56-136
1868-53-7	Dibromofluoromethane (Surr)	106		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		62-137
2037-26-5	Toluene-d8 (Surr)	104		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: TB-082222 | Lab Sample ID: 240-171981-25

Matrix: Water | Lab File ID: 228013.D

Analysis Method: 8260C | Date Collected: 08/22/2022 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 16:57

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW46A-082222 | Lab Sample ID: 240-171981-26

Matrix: Water | Lab File ID: 228020.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:22

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 19:42

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW46A-082222 | Lab Sample ID: 240-171981-26

Matrix: Water | Lab File ID: 228020.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:22

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 19:42

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW46A-082222 | Lab Sample ID: 240-171981-26

Matrix: Water | Lab File ID: 228020.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:22

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 19:42

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	95		56-136
1868-53-7	Dibromofluoromethane (Surr)	106		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		62-137
2037-26-5	Toluene-d8 (Surr)	99		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW46A-082222 | Lab Sample ID: 240-171981-26

Matrix: Water | Lab File ID: 228020.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:22

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 19:42

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW47A-082222 | Lab Sample ID: 240-171981-27

Matrix: Water | Lab File ID: 228021.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:05

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 20:06

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW47A-082222 | Lab Sample ID: 240-171981-27

Matrix: Water | Lab File ID: 228021.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:05

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 20:06

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW47A-082222 | Lab Sample ID: 240-171981-27

Matrix: Water | Lab File ID: 228021.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:05

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 20:06

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		56-136
1868-53-7	Dibromofluoromethane (Surr)	107		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		62-137
2037-26-5	Toluene-d8 (Surr)	101		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW47A-082222 | Lab Sample ID: 240-171981-27

Matrix: Water | Lab File ID: 228021.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:05

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 20:06

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW48A-082222 | Lab Sample ID: 240-171981-28

Matrix: Water | Lab File ID: 228022.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:48

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 20:29

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW48A-082222 | Lab Sample ID: 240-171981-28

Matrix: Water | Lab File ID: 228022.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:48

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 20:29

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW48A-082222 | Lab Sample ID: 240-171981-28

Matrix: Water | Lab File ID: 228022.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:48

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 20:29

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	95		56-136
1868-53-7	Dibromofluoromethane (Surr)	107		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		62-137
2037-26-5	Toluene-d8 (Surr)	100		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW48A-082222 | Lab Sample ID: 240-171981-28

Matrix: Water | Lab File ID: 228022.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:48

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 20:29

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW49A-082222 | Lab Sample ID: 240-171981-29

Matrix: Water | Lab File ID: 228023.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:30

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 20:53

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW49A-082222 | Lab Sample ID: 240-171981-29

Matrix: Water | Lab File ID: 228023.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:30

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 20:53

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW49A-082222 | Lab Sample ID: 240-171981-29

Matrix: Water | Lab File ID: 228023.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:30

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 20:53

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		56-136
1868-53-7	Dibromofluoromethane (Surr)	106		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		62-137
2037-26-5	Toluene-d8 (Surr)	99		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW49A-082222 | Lab Sample ID: 240-171981-29

Matrix: Water | Lab File ID: 228023.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:30

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 20:53

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SWEQB-082222 | Lab Sample ID: 240-171981-30

Matrix: Water | Lab File ID: 228014.D

Analysis Method: 8260C | Date Collected: 08/22/2022 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 17:20

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SWEQB-082222 | Lab Sample ID: 240-171981-30

Matrix: Water | Lab File ID: 228014.D

Analysis Method: 8260C | Date Collected: 08/22/2022 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 17:20

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SWEQB-082222 | Lab Sample ID: 240-171981-30

Matrix: Water | Lab File ID: 228014.D

Analysis Method: 8260C | Date Collected: 08/22/2022 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 17:20

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	108		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		62-137
2037-26-5	Toluene-d8 (Surr)	103		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SWEQB-082222 | Lab Sample ID: 240-171981-30

Matrix: Water | Lab File ID: 228014.D

Analysis Method: 8260C | Date Collected: 08/22/2022 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 17:20

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | 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: 240-171981-1

SDG Number: MSA Frog Mortar Creek

Job Description: MSA Surface Water Sampling

For:
Tetra Tech, Inc.
20251 Century Blvd
Suite 200
Germantown, MD 20874

Attention: Josh Mullis

Roxanne Cisneros

Approved for release.
Roxanne Cisneros
Senior Project Manager
9/1/2022 11:24 AM

Roxanne Cisneros, Senior Project Manager
180 S. Van Buren Avenue, Barberton, OH, 44203
(615)301-5761
roxanne.cisneros@et.eurofinsus.com
09/01/2022

Job Narrative
240-171981-1

Comments
No additional comments.

Receipt
The samples were received on 8/23/2022 3:30 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.6º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) analyzed in batch 240-540508 was outside the method criteria for Bromomethane and Chloroethane. An MRL standard at or below the reporting limit (RL) was analyzed with the affected samplesMSA-SW37A-082222 (240-171981-1), MSA-SW37B-082222 (240-171981-2), MSA-SW37C-082222 (240-171981-3), MSA-SW37D-082222 (240-171981-4), MSA-SW38A-082222 (240-171981-5), MSA-SW38B-082222 (240-171981-6), MSA-SW38C-082222 (240-171981-7), MSA-SW38D-082222 (240-171981-8), MSA-SW40A-082222 (240-171981-9), MSA-SW40B-082222 (240-171981-10), MSA-SW40C-082222 (240-171981-11), MSA-SW40D-082222 (240-171981-12), MSA-SW41A-082222 (240-171981-13), MSA-SW41B-082222 (240-171981-14), MSA-SW41C-082222 (240-171981-15), MSA-SW41D-082222 (240-171981-16), MSA-SW42A-082222 (240-171981-17), MSA-SW42B-082222 (240-171981-18), MSA-SW42C-082222 (240-171981-19), (CCV 240-540508/4), (CCVIS 240-540508/3), (LCS 240-540508/5), (LCS 240-540508/6), (MB 240-540508/8) 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) associated with batch 240-540508 recovered above the upper control limit for Bromoform, 1,1,1,2-Tetrachloroethane, 2-Methyl-2-Propanol,Vinyl Acetate, and Tetrachloroethene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MSA-SW37A-082222 (240-171981-1), MSA-SW37B-082222 (240-171981-2), MSA-SW37C-082222 (240-171981-3), MSA-SW37D-082222 (240-171981-4), MSA-SW38A-082222 (240-171981-5), MSA-SW38B-082222 (240-171981-6), MSA-SW38C-082222 (240-171981-7), MSA-SW38D-082222 (240-171981-8), MSA-SW40A-082222 (240-171981-9), MSA-SW40B-082222 (240-171981-10), MSA-SW40C-082222 (240-171981-11), MSA-SW40D-082222 (240-171981-12), MSA-SW41A-082222 (240-171981-13), MSA-SW41B-082222 (240-171981-14), MSA-SW41C-082222 (240-171981-15), MSA-SW41D-082222 (240-171981-16), MSA-SW42A-082222 (240-171981-17), MSA-SW42B-082222 (240-171981-18), MSA-SW42C-082222 (240-171981-19), (CCV 240-540508/4), (CCVIS 240-540508/3), (LCS 240-540508/5), (LCS 240-540508/6), (MB 240-540508/8)

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-082222 (240-171981-1), MSA-SW37B-082222 (240-171981-2), MSA-SW37C-082222 (240-171981-3), MSA-SW37D-082222 (240-171981-4), MSA-SW38A-082222 (240-171981-5), MSA-SW38B-082222 (240-171981-6), MSA-SW38C-082222 (240-171981-7), MSA-SW38D-082222 (240-171981-8), MSA-SW40A-082222 (240-171981-9), MSA-SW40B-082222 (240-171981-10), MSA-SW40C-082222 (240-171981-11), MSA-SW40D-082222 (240-171981-12), MSA-SW41A-082222 (240-171981-13), MSA-SW41B-082222 (240-171981-14), MSA-SW41C-082222 (240-171981-15), MSA-SW41D-082222 (240-171981-16), MSA-SW42A-082222 (240-171981-17), MSA-SW42B-082222 (240-171981-18) and MSA-SW42C-082222 (240-171981-19). The requested target analyte list includes 2-Chloroethyl vinyl ether, an acid-labile compound that degrades in an acidic medium.

Methods 8260C: The continuing calibration verification (CCV) associated with batch 240-540740 recovered above the upper control limit for Bromoform, 1,1,1,2-Tetrachloroethane, Vinyl Acetate, 2-Methyl-2-Propanol and trans-1,4-Dichloro-2-Butene>. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MSA-SW42D-082222 (240-171981-20), MSA-SW43A-082222 (240-171981-21), MSA-SW43B-082222 (240-171981-22), MSA-SW43C-082222 (240-171981-23), MSA-SW43D-082222 (240-171981-24), TB-082222 (240-171981-25), MSA-SW46A-082222 (240-171981-26), MSA-SW47A-082222 (240-171981-27), MSA-SW48A-082222 (240-171981-28), MSA-SW49A-082222 (240-171981-29), MSA-SWEQB-082222 (240-171981-30), (CCV 240-540740/4), (CCVIS 240-540740/3), (LCS 240-540740/5), (LCS 240-540740/6), (MB 240-540740/8)

Methods 8260C: The continuing calibration verification (CCV) analyzed in batch 240-540740 was outside the method criteria for Chloroethane, Bromomethane, and 2-Methylnaphthalene. An MRL standard at or below the reporting limit (RL) was analyzed with the affected samplesMSA-SW42D-082222 (240-171981-20), MSA-SW43A-082222 (240-171981-21), MSA-SW43B-082222 (240-171981-22), MSA-SW43C-082222 (240-171981-23), MSA-SW43D-082222 (240-171981-24), TB-082222 (240-171981-25), MSA-SW46A-082222 (240-171981-26), MSA-SW47A-082222 (240-171981-27), MSA-SW48A-082222 (240-171981-28), MSA-SW49A-082222 (240-171981-29), MSA-SWEQB-082222 (240-171981-30), (CCV 240-540740/4), (CCVIS 240-540740/3), (LCS 240-540740/5), (LCS 240-540740/6), (MB 240-540740/8), (240-172135-B-3) 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.

Methods 8260C: The laboratory control sample (LCS) for analytical batch 240-540740 recovered outside control limits for Bromoform and 1,1,1,2-Tetrachloroethane. These analytes were biased high in the LCS and were not detected in the associated samplesMSA-SW42D-082222 (240-171981-20), MSA-SW43A-082222 (240-171981-21), MSA-SW43B-082222 (240-171981-22), MSA-SW43C-082222 (240-171981-23), MSA-SW43D-082222 (240-171981-24), TB-082222 (240-171981-25), MSA-SW46A-082222 (240-171981-26), MSA-SW47A-082222 (240-171981-27), MSA-SW48A-082222 (240-171981-28), MSA-SW49A-082222 (240-171981-29), MSA-SWEQB-082222 (240-171981-30), (LCS 240-540740/5), (LCS 240-540740/6), (MB 240-540740/8); therefore, the data have been reported.

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-SW42D-082222 (240-171981-20), MSA-SW43A-082222 (240-171981-21), MSA-SW43B-082222 (240-171981-22), MSA-SW43C-082222 (240-171981-23), MSA-SW43D-082222 (240-171981-24), TB-082222 (240-171981-25), MSA-SW46A-082222 (240-171981-26), MSA-SW47A-082222 (240-171981-27), MSA-SW48A-082222 (240-171981-28), MSA-SW49A-082222 (240-171981-29) and MSA-SWEQB-082222 (240-171981-30). The requested target analyte list includes 2-Chloroethyl vinyl ether, an acid-labile compound that degrades in an acidic medium.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep
No additional analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Method Summary

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water Sampling

Job ID: 240-171981-1
SDG: MSA Frog Mortar Creek

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET CAN
5030C	Purge and Trap	SW846	EET CAN

Protocol References:

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

Laboratory References:

EET CAN = Eurofins Canton, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water Sampling

Job ID: 240-171981-1
SDG: MSA Frog Mortar Creek

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-171981-1	MSA-SW37A-082222	Water	08/22/22 12:40	08/23/22 15:30
240-171981-2	MSA-SW37B-082222	Water	08/22/22 12:42	08/23/22 15:30
240-171981-3	MSA-SW37C-082222	Water	08/22/22 12:44	08/23/22 15:30
240-171981-4	MSA-SW37D-082222	Water	08/22/22 12:47	08/23/22 15:30
240-171981-5	MSA-SW38A-082222	Water	08/22/22 11:53	08/23/22 15:30
240-171981-6	MSA-SW38B-082222	Water	08/22/22 11:55	08/23/22 15:30
240-171981-7	MSA-SW38C-082222	Water	08/22/22 11:58	08/23/22 15:30
240-171981-8	MSA-SW38D-082222	Water	08/22/22 12:00	08/23/22 15:30
240-171981-9	MSA-SW40A-082222	Water	08/22/22 12:11	08/23/22 15:30
240-171981-10	MSA-SW40B-082222	Water	08/22/22 12:14	08/23/22 15:30
240-171981-11	MSA-SW40C-082222	Water	08/22/22 12:17	08/23/22 15:30
240-171981-12	MSA-SW40D-082222	Water	08/22/22 12:20	08/23/22 15:30
240-171981-13	MSA-SW41A-082222	Water	08/22/22 11:34	08/23/22 15:30
240-171981-14	MSA-SW41B-082222	Water	08/22/22 11:38	08/23/22 15:30
240-171981-15	MSA-SW41C-082222	Water	08/22/22 11:40	08/23/22 15:30
240-171981-16	MSA-SW41D-082222	Water	08/22/22 11:43	08/23/22 15:30
240-171981-17	MSA-SW42A-082222	Water	08/22/22 12:26	08/23/22 15:30
240-171981-18	MSA-SW42B-082222	Water	08/22/22 12:28	08/23/22 15:30
240-171981-19	MSA-SW42C-082222	Water	08/22/22 12:31	08/23/22 15:30
240-171981-20	MSA-SW42D-082222	Water	08/22/22 12:35	08/23/22 15:30
240-171981-21	MSA-SW43A-082222	Water	08/22/22 11:12	08/23/22 15:30
240-171981-22	MSA-SW43B-082222	Water	08/22/22 11:17	08/23/22 15:30
240-171981-23	MSA-SW43C-082222	Water	08/22/22 11:19	08/23/22 15:30
240-171981-24	MSA-SW43D-082222	Water	08/22/22 11:25	08/23/22 15:30
240-171981-25	TB-082222	Water	08/22/22 00:00	08/23/22 15:30
240-171981-26	MSA-SW46A-082222	Water	08/22/22 12:22	08/23/22 15:30
240-171981-27	MSA-SW47A-082222	Water	08/22/22 12:05	08/23/22 15:30
240-171981-28	MSA-SW48A-082222	Water	08/22/22 11:48	08/23/22 15:30
240-171981-29	MSA-SW49A-082222	Water	08/22/22 11:30	08/23/22 15:30
240-171981-30	MSA-SWEQB-082222	Water	08/22/22 00:00	08/23/22 15:30

3.6/3.6

Baltimore #201

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CANTON
180 S. VAN BUREN AVE
BARBERTON, OH, 44203

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Josh Mullis	Site Contact: Josh Mullis	Date: 8/23/2022	COC No:
Tetra Tech	Tel/Fax: 410-279-2700	Lab Contact: Roxanne Cisneros	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			
PROJECT # 112IC09567	☐ 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-082322	8/23/2022	1240	SW	Water	3		x	
MSA-SW37B-082322	8/23/2022	1242	SW	Water	3		x	
MSA-SW37C-082322	8/23/2022	1244	SW	Water	3		x	
MSA-SW37D-082322	8/23/2022	1247	SW	Water	3		x	
MSA-SW38A-082322	8/23/2022	1153	SW	Water	3		x	
MSA-SW38B-082322	8/23/2022	1155	SW	Water	3		x	
MSA-SW38C-082322	8/23/2022	1158	SW	Water	3		x	
MSA-SW38D-082322	8/23/2022	1200	SW	Water	3		x	
MSA-SW40A-082322	8/23/2022	1211	SW	Water	3		x	
MSA-SW40B-082322	8/23/2022	1214	SW	Water	3		x	
MSA-SW40C-082322	8/23/2022	1217	SW	Water	3		x	
MSA-SW40D-082322	8/23/2022	1220	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* ☐ *Skin 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	1540	[signature]	TETT	8/24/22 1540
Relinquished by: [signature]	Company: TETT	Date/Time: 8/24/22 1700	Received by: [signature]	Company: CESC	Date/Time: 8-23-22 15:30
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

09/01/2022

Baltimore #201

CANTON
180 S. VAN BUREN AVE
BARBERTON, OH, 44203

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Josh Mullis	Site Contact: Josh Mullis	Date: 8/22/2022	COC No:
Tetra Tech	Tel/Fax: 410-279-2700	Lab Contact: Roxanne Cisneros	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			
PROJECT # 112IC09567	☐ 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-082222	8/22/2022	1134	SW	Water	3		x	
MSA-SW41B-082222	8/22/2022	1138	SW	Water	3		x	
MSA-SW41C-082222	8/22/2022	1140	SW	Water	3		x	
MSA-SW41D-082222	8/22/2022	1143	SW	Water	3		x	
MSA-SW42A-082222	8/22/2022	1226	SW	Water	3		x	
MSA-SW42B-082222	8/22/2022	1228	SW	Water	3		x	
MSA-SW42C-082222	8/22/2022	1231	SW	Water	3		x	
MSA-SW42D-082222	8/22/2022	1235	SW	Water	3		x	
MSA-SW43A-082222	8/22/2022	1112	SW	Water	3		x	
MSA-SW43B-082222	8/22/2022	1117	SW	Water	3		x	
MSA-SW43C-082222	8/22/2022	1119	SW	Water	3		x	
MSA-SW43D-082222	8/22/2022	1125	SW	Water	3		x	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____							2	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin 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:
Josh Mullis	Tetra Tech	1540	[signature]	TEIEST	8/22/22 1540
[signature]	TEIEST	8/22/22 1700	Mandaly Be	ETNC	8-23-22 15:30

Form No. CA-C-WI-002, Rev. 2, dated 03/06/2012

CANTON
180 S. VAN BUREN AVE
BARBERTON, OH, 44203

Baltimore #201

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Josh Mullis	Site Contact: Josh Mullis	Date: 8/22/2022	COC No
Tetra Tech	Tel/Fax: 410-279-2700	Lab Contact: Roxanne Cisneros	Carrier: Fedex	3 of 3 COCs
20251 Century Blvd, Suite 200	Analysis Turnaround Time			Job No
Germantown, MD 20874	Calendar (C) or Work Days (W)			
(301) 528-3021 Phone	TAT if different from Below STANDARD			SDG No
(301) 528-3000 FAX	☐ 2 weeks			
Project Name: MSA Surface Water Sampling	☐ 1 week			Sampler: J Mullis
Site: MSA Frog Mortar Creek	☐ 2 days			
PROJECT # 112IC09567	☐ 1 day			Sample Specific Notes:

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	VOCs + Freon 113/22 + TIC (8260C)
TB-082222	8/22/2022	0000	SW	Water	2		x
MSA-SW46A-082222	8/22/2022	1222	SW	Water	3		x
MSA-SW47A-082222	8/22/2022	1205	SW	Water	3		x
MSA-SW48A-082222	8/22/2022	1148	SW	Water	3		x
MSA-SW49A-082222	8/22/2022	1130	SW	Water	3		x
MSA-SWEQB-082222	8/22/2022	0000	SW	Water	3		X

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____ | 2

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin 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: Tetra Tech	Date/Time: 8-22-22 1540	Received by:	Company: FEDEX	Date/Time: 8/22/22 1540
Relinquished by:	Company: FEDEX	Date/Time: 8/24/22 700	Received by:	Company: eetx	Date/Time: 8-23-22 15:30
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 2, dated 03/06/2012

Eurofins - Canton Sample Receipt Form/Narrative Login # : 171981
Barberton Facility

Client TestAmerica Site Name

Cooler Received on 8-23-22 Opened on 8-23-22

Cooler unpacked by: Mandy Blair

FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off Eurofins Courier Other

Receipt After-hours: Drop-off Date/Time Storage Location

Eurofins 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-13 (CF 0.0 °C) Observed Cooler Temp. 3.6 °C Corrected Cooler Temp. 3.6 °C
   IR GUN #IR-15 (CF -0.7°C) Observed Cooler Temp. ____ °C Corrected Cooler Temp. ____ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity ____	Yes	No
-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
-Were tamper/custody seals intact and uncompromised?	Yes	No NA
3. Shippers' packing slip attached to the cooler(s)?	Yes	No
4. Did custody papers accompany the sample(s)?	Yes	No
5. Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7. Did all bottles arrive in good condition (Unbroken)?	Yes	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes	No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp(Y/N)?		
10. Were correct bottle(s) used for the test(s) indicated?	Yes	No
11. Sufficient quantity received to perform indicated analyses?	Yes	No
12. Are these work share samples and all listed on the COC?	Yes	No
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC286797
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) SW38B, SW40A, SW40B, SW41B, SW41C SW43D, Trip blank, SW48A 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: ____

WI-NC-099

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: | Lab Sample ID: MB 240-540508/8

Matrix: Water | Lab File ID: 227981.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 13:29

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: | Lab Sample ID: MB 240-540508/8

Matrix: Water | Lab File ID: 227981.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 13:29

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: | Lab Sample ID: MB 240-540508/8

Matrix: Water | Lab File ID: 227981.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 13:29

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	104		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		62-137
2037-26-5	Toluene-d8 (Surr)	113		78-122

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: | Lab Sample ID: MB 240-540740/8

Matrix: Water | Lab File ID: 228011.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 16:09

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: | Lab Sample ID: MB 240-540740/8

Matrix: Water | Lab File ID: 228011.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 16:09

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: | Lab Sample ID: MB 240-540740/8

Matrix: Water | Lab File ID: 228011.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 16:09

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	113		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		62-137
2037-26-5	Toluene-d8 (Surr)	101		78-122

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA 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-082222	240-171981-1	106	102	102	98
MSA-SW37B-082222	240-171981-2	108	101	104	97
MSA-SW37C-082222	240-171981-3	108	103	102	98
MSA-SW37D-082222	240-171981-4	108	103	103	99
MSA-SW38A-082222	240-171981-5	108	102	103	98
MSA-SW38B-082222	240-171981-6	108	103	102	97
MSA-SW38C-082222	240-171981-7	107	102	102	96
MSA-SW38D-082222	240-171981-8	107	105	100	96
MSA-SW40A-082222	240-171981-9	104	98	101	95
MSA-SW40B-082222	240-171981-10	107	101	101	92
MSA-SW40C-082222	240-171981-11	105	101	99	94
MSA-SW40D-082222	240-171981-12	103	98	100	96
MSA-SW41A-082222	240-171981-13	105	100	99	94
MSA-SW41B-082222	240-171981-14	104	98	98	93
MSA-SW41C-082222	240-171981-15	105	100	99	95
MSA-SW41D-082222	240-171981-16	102	96	98	93
MSA-SW42A-082222	240-171981-17	104	99	97	92
MSA-SW42B-082222	240-171981-18	104	97	98	93
MSA-SW42C-082222	240-171981-19	103	98	96	91
MSA-SW42D-082222	240-171981-20	108	99	101	97
MSA-SW43A-082222	240-171981-21	108	99	103	98
MSA-SW43B-082222	240-171981-22	106	97	100	96
MSA-SW43C-082222	240-171981-23	108	99	102	96
MSA-SW43D-082222	240-171981-24	107	100	100	96
TB-082222	240-171981-25	106	94	104	98
MSA-SW46A-082222	240-171981-26	106	97	99	95
MSA-SW47A-082222	240-171981-27	107	98	101	96
MSA-SW48A-082222	240-171981-28	107	97	100	95
MSA-SW49A-082222	240-171981-29	106	98	99	96
MSA-SWEQB-082222	240-171981-30	108	96	103	97
	MB 240-540508/8	104	98	113	98
	MB 240-540740/8	113	105	101	97
	LCS 240-540508/5	102	95	107	102
	LCS 240-540508/6	103	98	104	102
	LCS 240-540740/5	105	98	108	104

	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 Canton Job No.: 240-171981-1

SDG No.: MSA 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 #
	LCS 240-540740/6	105	91	102	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 Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: 227978.D

Lab ID: LCS 240-540508/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	50.0	47.6	95	50-149	
Benzene	25.0	24.3	97	77-123	
Bromobenzene	25.0	27.5	110	80-122	
Bromochloromethane	25.0	21.5	86	71-121	
Bromodichloromethane	25.0	23.7	95	69-126	
Bromoform	25.0	31.6	127	57-129	
Bromomethane	25.0	13.6	54	36-142	
2-Butanone	50.0	51.3	103	54-156	
Carbon disulfide	25.0	22.8	91	43-140	
Carbon tetrachloride	25.0	27.1	108	55-137	
Chlorobenzene	25.0	25.3	101	80-121	
Chloroethane	25.0	13.0	52	38-152	
2-Chloroethyl vinyl ether	25.0	24.3	97	40-157	
Chloroform	25.0	22.6	90	74-122	
Chloromethane	25.0	20.1	80	47-143	
2-Chlorotoluene	25.0	25.8	103	79-124	
4-Chlorotoluene	25.0	26.7	107	80-125	
cis-1,2-Dichloroethene	25.0	23.2	93	77-123	
cis-1,3-Dichloropropene	25.0	24.7	99	64-130	
Dibromochloromethane	25.0	27.2	109	70-124	
1,2-Dibromo-3-Chloropropane	25.0	27.6	111	53-135	
1,2-Dibromoethane	25.0	25.6	103	71-134	
Dibromomethane	25.0	27.3	109	67-131	
1,2-Dichlorobenzene	25.0	25.9	104	78-120	
1,3-Dichlorobenzene	25.0	26.1	104	80-120	
1,4-Dichlorobenzene	25.0	26.1	104	80-120	
Dichlorodifluoromethane	25.0	18.9	75	34-153	
1,1-Dichloroethane	25.0	22.9	92	72-127	
1,2-Dichloroethane	25.0	22.0	88	66-128	
1,1-Dichloroethene	25.0	24.3	97	63-134	
1,2-Dichloropropane	25.0	24.1	97	75-133	
1,3-Dichloropropane	25.0	24.9	100	68-139	
2,2-Dichloropropane	25.0	24.2	97	48-142	
1,1-Dichloropropene	25.0	24.7	99	71-124	
Ethylbenzene	25.0	24.6	98	80-121	
Hexachlorobutadiene	25.0	24.9	100	37-162	
2-Hexanone	50.0	51.9	104	43-167	
Isopropylbenzene	25.0	24.5	98	74-128	
Methylene Chloride	25.0	23.7	95	71-125	
4-Methyl-2-pentanone	50.0	50.5	101	46-158	
Methyl tert-butyl ether	25.0	23.4	93	65-126	
m-Xylene & p-Xylene	25.0	24.5	98	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: 227978.D

Lab ID: LCS 240-540508/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	25.0	23.7	95	53-138	
n-Butylbenzene	25.0	22.2	89	62-139	
n-Propylbenzene	25.0	24.9	100	76-127	
o-Xylene	25.0	24.5	98	80-123	
p-Isopropyltoluene	25.0	24.0	96	71-132	
sec-Butylbenzene	25.0	23.2	93	69-135	
Styrene	25.0	24.9	99	80-135	
tert-Butyl alcohol	250	286	115	33-153	
tert-Butylbenzene	25.0	24.0	96	64-134	
1,1,1,2-Tetrachloroethane	25.0	29.1	116	71-124	
1,1,2,2-Tetrachloroethane	25.0	26.3	105	58-157	
Tetrachloroethene	25.0	28.5	114	76-123	
Toluene	25.0	24.3	97	80-123	
trans-1,2-Dichloroethene	25.0	23.4	94	75-124	
trans-1,3-Dichloropropene	25.0	26.2	105	57-129	
1,2,3-Trichlorobenzene	25.0	25.1	100	45-149	
1,2,4-Trichlorobenzene	25.0	25.9	104	44-147	
1,1,1-Trichloroethane	25.0	23.7	95	64-131	
Trichloroethene	25.0	26.5	106	70-122	
Trichlorofluoromethane	25.0	17.8	71	30-170	
1,2,3-Trichloropropane	25.0	25.9	104	57-150	
1,1,2-Trichloro-1,2,2-trichfluoroethane	25.0	25.0	100	51-146	
1,2,4-Trimethylbenzene	25.0	24.3	97	77-129	
Vinyl acetate	25.0	24.1	96	44-145	
Vinyl chloride	25.0	20.6	82	60-144	
Xylenes, Total	50.0	49.0	98	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 Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: 227979.D

Lab ID: LCS 240-540508/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Diisopropyl ether	25.0	25.4	102	70-124	
Ethyl-t-butyl ether (ETBE)	25.0	23.9	95	62-135	
Tert-amyl-methyl ether (TAME)	25.0	22.3	89	60-128	
1,2,3-Trimethylbenzene	25.0	23.5	94	72-133	

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 Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: 228008.D

Lab ID: LCS 240-540740/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	50.0	49.6	99	50-149	
Benzene	25.0	24.8	99	77-123	
Bromobenzene	25.0	26.1	104	80-122	
Bromochloromethane	25.0	22.3	89	71-121	
Bromodichloromethane	25.0	24.9	100	69-126	
Bromoform	25.0	34.9	140	57-129	*+
Bromomethane	25.0	20.1	80	36-142	
2-Butanone	50.0	53.6	107	54-156	
Carbon disulfide	25.0	23.8	95	43-140	
Carbon tetrachloride	25.0	28.7	115	55-137	
Chlorobenzene	25.0	26.0	104	80-121	
Chloroethane	25.0	17.9	72	38-152	
2-Chloroethyl vinyl ether	25.0	24.5	98	40-157	
Chloroform	25.0	23.6	94	74-122	
Chloromethane	25.0	20.4	82	47-143	
2-Chlorotoluene	25.0	24.9	99	79-124	
4-Chlorotoluene	25.0	26.7	107	80-125	
cis-1,2-Dichloroethene	25.0	23.8	95	77-123	
cis-1,3-Dichloropropene	25.0	24.8	99	64-130	
Dibromochloromethane	25.0	30.3	121	70-124	
1,2-Dibromo-3-Chloropropane	25.0	29.3	117	53-135	
1,2-Dibromoethane	25.0	26.7	107	71-134	
Dibromomethane	25.0	28.0	112	67-131	
1,2-Dichlorobenzene	25.0	26.0	104	78-120	
1,3-Dichlorobenzene	25.0	26.8	107	80-120	
1,4-Dichlorobenzene	25.0	26.4	105	80-120	
Dichlorodifluoromethane	25.0	22.3	89	34-153	
1,1-Dichloroethane	25.0	23.0	92	72-127	
1,2-Dichloroethane	25.0	22.9	91	66-128	
1,1-Dichloroethene	25.0	25.1	100	63-134	
1,2-Dichloropropane	25.0	24.1	96	75-133	
1,3-Dichloropropane	25.0	25.3	101	68-139	
2,2-Dichloropropane	25.0	24.9	100	48-142	
1,1-Dichloropropene	25.0	24.1	96	71-124	
Ethylbenzene	25.0	25.2	101	80-121	
Hexachlorobutadiene	25.0	21.1	84	37-162	
2-Hexanone	50.0	57.5	115	43-167	
Isopropylbenzene	25.0	25.1	100	74-128	
Methylene Chloride	25.0	24.3	97	71-125	
4-Methyl-2-pentanone	50.0	54.7	109	46-158	
Methyl tert-butyl ether	25.0	23.7	95	65-126	
m-Xylene & p-Xylene	25.0	25.5	102	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 Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: 228008.D

Lab ID: LCS 240-540740/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	25.0	24.4	98	53-138	
n-Butylbenzene	25.0	22.5	90	62-139	
n-Propylbenzene	25.0	24.2	97	76-127	
o-Xylene	25.0	25.6	102	80-123	
p-Isopropyltoluene	25.0	24.5	98	71-132	
sec-Butylbenzene	25.0	23.8	95	69-135	
Styrene	25.0	25.8	103	80-135	
tert-Butyl alcohol	250	311	124	33-153	
tert-Butylbenzene	25.0	24.2	97	64-134	
1,1,1,2-Tetrachloroethane	25.0	31.3	125	71-124	*+
1,1,2,2-Tetrachloroethane	25.0	25.7	103	58-157	
Tetrachloroethene	25.0	29.3	117	76-123	
Toluene	25.0	24.9	100	80-123	
trans-1,2-Dichloroethene	25.0	24.4	97	75-124	
trans-1,3-Dichloropropene	25.0	27.3	109	57-129	
1,2,3-Trichlorobenzene	25.0	24.1	96	45-149	
1,2,4-Trichlorobenzene	25.0	24.2	97	44-147	
1,1,1-Trichloroethane	25.0	25.3	101	64-131	
Trichloroethene	25.0	26.6	106	70-122	
Trichlorofluoromethane	25.0	21.2	85	30-170	
1,2,3-Trichloropropane	25.0	26.4	106	57-150	
1,1,2-Trichloro-1,2,2-trichfluoroethane	25.0	25.3	101	51-146	
1,2,4-Trimethylbenzene	25.0	24.9	99	77-129	
Vinyl acetate	25.0	30.9	124	44-145	
Vinyl chloride	25.0	20.7	83	60-144	
Xylenes, Total	50.0	51.1	102	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 Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: 228009.D

Lab ID: LCS 240-540740/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Diisopropyl ether	25.0	25.1	100	70-124	
Ethyl-t-butyl ether (ETBE)	25.0	23.6	94	62-135	
Tert-amyl-methyl ether (TAME)	25.0	22.5	90	60-128	
1,2,3-Trimethylbenzene	25.0	24.2	97	72-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab File ID: 227981.D Lab Sample ID: MB 240-540508/8

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

Instrument ID: A3UX22 Date Analyzed: 08/29/2022 13:29

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-540508/5	227978.D	08/29/2022 12:18
	LCS 240-540508/6	227979.D	08/29/2022 12:41
MSA-SW37A-082222	240-171981-1	227982.D	08/29/2022 13:53
MSA-SW37B-082222	240-171981-2	227983.D	08/29/2022 14:17
MSA-SW37C-082222	240-171981-3	227984.D	08/29/2022 14:40
MSA-SW37D-082222	240-171981-4	227985.D	08/29/2022 15:04
MSA-SW38A-082222	240-171981-5	227986.D	08/29/2022 15:27
MSA-SW38B-082222	240-171981-6	227987.D	08/29/2022 15:51
MSA-SW38C-082222	240-171981-7	227988.D	08/29/2022 16:15
MSA-SW38D-082222	240-171981-8	227989.D	08/29/2022 16:38
MSA-SW40A-082222	240-171981-9	227990.D	08/29/2022 17:02
MSA-SW40B-082222	240-171981-10	227991.D	08/29/2022 17:26
MSA-SW40C-082222	240-171981-11	227992.D	08/29/2022 17:49
MSA-SW40D-082222	240-171981-12	227993.D	08/29/2022 18:13
MSA-SW41A-082222	240-171981-13	227994.D	08/29/2022 18:37
MSA-SW41B-082222	240-171981-14	227995.D	08/29/2022 19:01
MSA-SW41C-082222	240-171981-15	227996.D	08/29/2022 19:24
MSA-SW41D-082222	240-171981-16	227997.D	08/29/2022 19:48
MSA-SW42A-082222	240-171981-17	227998.D	08/29/2022 20:11
MSA-SW42B-082222	240-171981-18	227999.D	08/29/2022 20:35
MSA-SW42C-082222	240-171981-19	228000.D	08/29/2022 20:59

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab File ID: 228011.D Lab Sample ID: MB 240-540740/8

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

Instrument ID: A3UX22 Date Analyzed: 08/30/2022 16:09

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 240-540740/5	228008.D	08/30/2022 14:58
	LCS 240-540740/6	228009.D	08/30/2022 15:21
TB-082222	240-171981-25	228013.D	08/30/2022 16:57
MSA-SWEQB-082222	240-171981-30	228014.D	08/30/2022 17:20
MSA-SW42D-082222	240-171981-20	228015.D	08/30/2022 17:44
MSA-SW43A-082222	240-171981-21	228016.D	08/30/2022 18:08
MSA-SW43B-082222	240-171981-22	228017.D	08/30/2022 18:31
MSA-SW43C-082222	240-171981-23	228018.D	08/30/2022 18:55
MSA-SW43D-082222	240-171981-24	228019.D	08/30/2022 19:18
MSA-SW46A-082222	240-171981-26	228020.D	08/30/2022 19:42
MSA-SW47A-082222	240-171981-27	228021.D	08/30/2022 20:06
MSA-SW48A-082222	240-171981-28	228022.D	08/30/2022 20:29
MSA-SW49A-082222	240-171981-29	228023.D	08/30/2022 20:53

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

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab File ID: BFB22244.D BFB Injection Date: 04/07/2022

Instrument ID: A3UX22 BFB Injection Time: 15:03

Analysis Batch No.: 522080

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.5	
75	30.0 - 60.0 % of mass 95	47.2	
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	77.0	
175	5.0 - 9.0 % of mass 174	5.7	(7.4) 1
176	95.0 - 101.0 % of mass 174	74.6	(96.9) 1
177	5.0 - 9.0 % of mass 176	4.8	(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
	IC 240-522080/3	225035.D	04/07/2022	15:46
	IC 240-522080/4	225036.D	04/07/2022	16:09
	IC 240-522080/5	225037.D	04/07/2022	16:33
	IC 240-522080/6	225038.D	04/07/2022	16:56
	IC 240-522080/7	225039.D	04/07/2022	17:20
	ICIS 240-522080/8	225040.D	04/07/2022	17:44
	IC 240-522080/9	225041.D	04/07/2022	18:07
	IC 240-522080/10	225042.D	04/07/2022	18:31
	IC 240-522080/11	225043.D	04/07/2022	18:55
	IC 240-522080/18	225050.D	04/07/2022	21:40
	IC 240-522080/19	225051.D	04/07/2022	22:04
	IC 240-522080/20	225052.D	04/07/2022	22:28
	IC 240-522080/21	225053.D	04/07/2022	22:52
	IC 240-522080/22	225054.D	04/07/2022	23:15
	IC 240-522080/23	225055.D	04/07/2022	23:39
	IC 240-522080/24	225056.D	04/08/2022	0:02
	IC 240-522080/25	225057.D	04/08/2022	0:26
	IC 240-522080/26	225058.D	04/08/2022	0:50
	ICV 240-522080/28	225060.D	04/08/2022	1:37

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

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab File ID: BFB22256.D BFB Injection Date: 04/28/2022

Instrument ID: A3UX22 BFB Injection Time: 15:10

Analysis Batch No.: 524416

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.2	
75	30.0 - 60.0 % of mass 95	51.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	65.3	
175	5.0 - 9.0 % of mass 174	4.9	(7.4) 1
176	95.0 - 101.0 % of mass 174	62.5	(95.7) 1
177	5.0 - 9.0 % of mass 176	4.2	(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
	IC 240-524416/3	225395.D	04/28/2022	15:53
	IC 240-524416/4	225396.D	04/28/2022	16:16
	IC 240-524416/5	225397.D	04/28/2022	16:40
	IC 240-524416/6	225398.D	04/28/2022	17:04
	IC 240-524416/7	225399.D	04/28/2022	17:27
	ICIS 240-524416/8	225400.D	04/28/2022	17:51
	IC 240-524416/9	225401.D	04/28/2022	18:15
	IC 240-524416/10	225402.D	04/28/2022	18:39
	IC 240-524416/11	225403.D	04/28/2022	19:03
	ICV 240-524416/14	225406.D	04/28/2022	20:14

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

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab File ID: BFB22344.D BFB Injection Date: 08/29/2022

Instrument ID: A3UX22 BFB Injection Time: 10:47

Analysis Batch No.: 540508

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.0	
75	30.0 - 60.0 % of mass 95	48.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	77.2	
175	5.0 - 9.0 % of mass 174	5.9	(7.7) 1
176	95.0 - 101.0 % of mass 174	74.6	(96.6) 1
177	5.0 - 9.0 % of mass 176	5.0	(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 240-540508/3	227976.D	08/29/2022	11:30
	CCV 240-540508/4	227977.D	08/29/2022	11:54
	LCS 240-540508/5	227978.D	08/29/2022	12:18
	LCS 240-540508/6	227979.D	08/29/2022	12:41
	MB 240-540508/8	227981.D	08/29/2022	13:29
MSA-SW37A-082222	240-171981-1	227982.D	08/29/2022	13:53
MSA-SW37B-082222	240-171981-2	227983.D	08/29/2022	14:17
MSA-SW37C-082222	240-171981-3	227984.D	08/29/2022	14:40
MSA-SW37D-082222	240-171981-4	227985.D	08/29/2022	15:04
MSA-SW38A-082222	240-171981-5	227986.D	08/29/2022	15:27
MSA-SW38B-082222	240-171981-6	227987.D	08/29/2022	15:51
MSA-SW38C-082222	240-171981-7	227988.D	08/29/2022	16:15
MSA-SW38D-082222	240-171981-8	227989.D	08/29/2022	16:38
MSA-SW40A-082222	240-171981-9	227990.D	08/29/2022	17:02
MSA-SW40B-082222	240-171981-10	227991.D	08/29/2022	17:26
MSA-SW40C-082222	240-171981-11	227992.D	08/29/2022	17:49
MSA-SW40D-082222	240-171981-12	227993.D	08/29/2022	18:13
MSA-SW41A-082222	240-171981-13	227994.D	08/29/2022	18:37
MSA-SW41B-082222	240-171981-14	227995.D	08/29/2022	19:01
MSA-SW41C-082222	240-171981-15	227996.D	08/29/2022	19:24
MSA-SW41D-082222	240-171981-16	227997.D	08/29/2022	19:48
MSA-SW42A-082222	240-171981-17	227998.D	08/29/2022	20:11
MSA-SW42B-082222	240-171981-18	227999.D	08/29/2022	20:35
MSA-SW42C-082222	240-171981-19	228000.D	08/29/2022	20:59

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

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab File ID: BFB22346.D BFB Injection Date: 08/30/2022

Instrument ID: A3UX22 BFB Injection Time: 13:27

Analysis Batch No.: 540740

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.1	
75	30.0 - 60.0 % of mass 95	47.2	
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	0.2	(0.2) 1
174	Greater than 50% of mass 95	82.1	
175	5.0 - 9.0 % of mass 174	6.0	(7.3) 1
176	95.0 - 101.0 % of mass 174	78.8	(96.0) 1
177	5.0 - 9.0 % of mass 176	5.0	(6.3) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-540740/3	228006.D	08/30/2022	14:10
	CCV 240-540740/4	228007.D	08/30/2022	14:34
	LCS 240-540740/5	228008.D	08/30/2022	14:58
	LCS 240-540740/6	228009.D	08/30/2022	15:21
	MB 240-540740/8	228011.D	08/30/2022	16:09
TB-082222	240-171981-25	228013.D	08/30/2022	16:57
MSA-SWEQB-082222	240-171981-30	228014.D	08/30/2022	17:20
MSA-SW42D-082222	240-171981-20	228015.D	08/30/2022	17:44
MSA-SW43A-082222	240-171981-21	228016.D	08/30/2022	18:08
MSA-SW43B-082222	240-171981-22	228017.D	08/30/2022	18:31
MSA-SW43C-082222	240-171981-23	228018.D	08/30/2022	18:55
MSA-SW43D-082222	240-171981-24	228019.D	08/30/2022	19:18
MSA-SW46A-082222	240-171981-26	228020.D	08/30/2022	19:42
MSA-SW47A-082222	240-171981-27	228021.D	08/30/2022	20:06
MSA-SW48A-082222	240-171981-28	228022.D	08/30/2022	20:29
MSA-SW49A-082222	240-171981-29	228023.D	08/30/2022	20:53

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

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Sample No.: ICIS 240-522080/8 Date Analyzed: 04/07/2022 17:44

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 225040.D Heated Purge: (Y/N) N

Calibration ID: 65265

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1111015	6.96	814036	10.17	432421	12.18
UPPER LIMIT		2222030	7.46	1628072	10.67	864842	12.68
LOWER LIMIT		555508	6.46	407018	9.67	216211	11.68
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-522080/28		1023963	6.96	750080	10.17	392850	12.18

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 Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Sample No.: ICIS 240-524416/8 Date Analyzed: 04/28/2022 17:51

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 225400.D Heated Purge: (Y/N) N

Calibration ID: 65475

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1311546	6.96	970370	10.17	502732	12.18
UPPER LIMIT		2623092	7.46	1940740	10.67	1005464	12.68
LOWER LIMIT		655773	6.46	485185	9.67	251366	11.68
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-524416/14		1358856	6.96	1012778	10.17	520201	12.18
CCVIS 240-540508/3		1109816	6.96	823078	10.17	434851	12.17
CCVIS 240-540740/3		691024	6.96	556964	10.17	287841	12.17

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 Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Sample No.: CCVIS 240-540508/3 Date Analyzed: 08/29/2022 11:30

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 227976.D Heated Purge: (Y/N) N

Calibration ID: 65475

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1109816	6.96	823078	10.17	434851	12.17
UPPER LIMIT		2219632	7.46	1646156	10.67	869702	12.67
LOWER LIMIT		554908	6.46	411539	9.67	217426	11.67
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-540508/4		1102555	6.96	834790	10.17	424799	12.17
LCS 240-540508/5		1131958	6.96	849189	10.17	437484	12.17
LCS 240-540508/6		1113684	6.96	838802	10.17	433403	12.17
MB 240-540508/8		1091309	6.96	749476	10.17	400055	12.17
240-171981-1	MSA-SW37A-082222	1076521	6.96	826366	10.17	425626	12.17
240-171981-2	MSA-SW37B-082222	1069482	6.96	817002	10.17	420039	12.17
240-171981-3	MSA-SW37C-082222	1052529	6.96	807561	10.17	423946	12.17
240-171981-4	MSA-SW37D-082222	1072179	6.96	815052	10.17	406007	12.17
240-171981-5	MSA-SW38A-082222	1043535	6.96	792197	10.17	408286	12.17
240-171981-6	MSA-SW38B-082222	1050723	6.96	808538	10.17	418502	12.17
240-171981-7	MSA-SW38C-082222	1051795	6.95	795543	10.17	416304	12.17
240-171981-8	MSA-SW38D-082222	1054783	6.96	818013	10.17	431009	12.17
240-171981-9	MSA-SW40A-082222	1031648	6.96	782921	10.17	409455	12.17
240-171981-10	MSA-SW40B-082222	1039614	6.96	801312	10.17	394707	12.17
240-171981-11	MSA-SW40C-082222	1047102	6.96	802763	10.17	407778	12.17
240-171981-12	MSA-SW40D-082222	1049982	6.96	796242	10.17	415744	12.17
240-171981-13	MSA-SW41A-082222	1055060	6.96	808128	10.17	426682	12.17
240-171981-14	MSA-SW41B-082222	1045814	6.96	797396	10.17	419524	12.17
240-171981-15	MSA-SW41C-082222	1053774	6.96	800491	10.17	425012	12.17
240-171981-16	MSA-SW41D-082222	1059525	6.96	804281	10.17	428012	12.17
240-171981-17	MSA-SW42A-082222	1032171	6.96	795217	10.17	395222	12.17
240-171981-18	MSA-SW42B-082222	1021261	6.96	778535	10.17	400380	12.17
240-171981-19	MSA-SW42C-082222	1033523	6.96	793404	10.17	417321	12.17

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 Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Sample No.: CCVIS 240-540740/3 Date Analyzed: 08/30/2022 14:10

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 228006.D Heated Purge: (Y/N) N

Calibration ID: 65475

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		691024	6.96	556964	10.17	287841	12.17
UPPER LIMIT		1382048	7.46	1113928	10.67	575682	12.67
LOWER LIMIT		345512	6.46	278482	9.67	143921	11.67
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-540740/4		700105	6.96	537693	10.17	281020	12.17
LCS 240-540740/5		717755	6.95	538931	10.17	297318	12.17
LCS 240-540740/6		758674	6.96	576012	10.17	287673	12.17
MB 240-540740/8		670858	6.96	556544	10.17	274427	12.17
240-171981-25	TB-082222	733884	6.96	548489	10.17	280800	12.17
240-171981-30	MSA-SWEQB-082222	725060	6.96	548030	10.17	272574	12.17
240-171981-20	MSA-SW42D-082222	721141	6.95	561563	10.17	288675	12.17
240-171981-21	MSA-SW43A-082222	707179	6.96	544388	10.17	274851	12.17
240-171981-22	MSA-SW43B-082222	737860	6.96	559445	10.17	289208	12.17
240-171981-23	MSA-SW43C-082222	727046	6.95	553553	10.17	284155	12.17
240-171981-24	MSA-SW43D-082222	725838	6.95	559788	10.17	283659	12.17
240-171981-26	MSA-SW46A-082222	733468	6.96	568431	10.17	293142	12.17
240-171981-27	MSA-SW47A-082222	731473	6.96	562277	10.17	284944	12.17
240-171981-28	MSA-SW48A-082222	722685	6.96	553511	10.17	278879	12.17
240-171981-29	MSA-SW49A-082222	725792	6.96	559301	10.17	287992	12.17

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 Canton Job No.: 240-171981-1 Analy Batch No.: 522080

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2022 15:46 Calibration End Date: 04/07/2022 18:55 Calibration ID: 65265

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-522080/3	225035.D
Level 2	IC 240-522080/4	225036.D
Level 3	IC 240-522080/5	225037.D
Level 4	IC 240-522080/6	225038.D
Level 5	IC 240-522080/7	225039.D
Level 6	ICIS 240-522080/8	225040.D
Level 7	IC 240-522080/9	225041.D
Level 8	IC 240-522080/10	225042.D
Level 9	IC 240-522080/11	225043.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 9	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.2715 0.2581	0.2879 0.2652	0.3039 0.2560	0.2782 0.2650	0.2750	Ave		0.2734			0.1000	5.6		20.0			
Chloromethane	+++++ 0.2402	0.3508 0.2497	0.2691 0.2465	0.2618 0.2543	0.2552	Lin1	0.0864	0.2471			0.1000	4.1			0.9990		0.9900
Vinyl chloride	0.3778 0.2970	0.3822 0.3014	0.3430 0.2943	0.3267 0.2982	0.3216	Ave		0.3269			0.1000	10.5		20.0			
Butadiene	0.3641 0.2808	0.3639 0.2865	0.3664 0.2711	0.3166 0.2773	0.3002	Ave		0.3141				12.8		20.0			
Bromomethane	+++++ 0.1184	0.3322 0.1158	0.2235 0.1102	0.1475 0.1146	0.1392	Lin1	0.2447	0.1094			0.0500	11.0			0.9980		0.9900
Chloroethane	+++++ 0.1354	0.2797 0.1224	0.2380 0.1154	0.2107 0.1126	0.2029	Qua	0.3879	0.1360	-0.000510		0.0500	83.8			0.9900		0.9900
Trichlorofluoromethane	0.4264 0.3894	0.5081 0.3989	0.4473 0.3833	0.4303 0.3903	0.4337	Ave		0.4231			0.1000	9.3		20.0			
Dichlorofluoromethane	+++++ 0.4827	0.7893 0.4854	0.6088 0.4720	0.5581 0.4782	0.5204	Lin1	0.3518	0.4727				4.4			1.0000		0.9900
Ethyl ether	0.2361 0.1885	0.2342 0.1889	0.2171 0.1885	0.2068 0.1932	0.1971	Ave		0.2056				9.4		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2263 0.2261	0.2544 0.2219	0.2668 0.2192	0.2426 0.2302	0.2376	Ave		0.2361			0.0500	6.8		20.0			
Acrolein	0.0677 0.0536	0.0569 0.0561	0.0587 0.0550	0.0569 0.0560	0.0551	Ave		0.0573				7.2		20.0			
1,1-Dichloroethene	0.2758 0.2240	0.2730 0.2214	0.2549 0.2211	0.2415 0.2297	0.2344	Ave		0.2417			0.1000	8.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Canton | Job No.: 240-171981-1 | Analy Batch No.: 522080

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2022 15:46 | Calibration End Date: 04/07/2022 18:55 | Calibration ID: 65265

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 9	LVL 5		B	M1	M2								
Iodomethane	+++++ 0.0909	0.1202 0.1139	0.0894 0.1386	0.0761 0.1545	0.0806	Qua	0.0781	0.0504	0.0016662			9.2			0.9990		0.9900
Acetone	0.4976 0.1230	0.3189 0.1245	0.1914 0.1246	0.1422 0.1273	0.1321	Lin1	0.3722	0.1206			0.0100	5.5			0.9990		0.9900
Carbon disulfide	0.7791 0.6814	0.8179 0.6778	0.7835 0.6691	0.7387 0.6917	0.7208	Ave		0.7289			0.1000	7.4		20.0			
3-Chloro-1-propene	0.4014 0.3286	0.4232 0.3254	0.4069 0.3306	0.3593 0.3356	0.3456	Ave		0.3619				10.6		20.0			
Methyl acetate	0.2784 0.2474	0.2708 0.2543	0.2580 0.2576	0.2501 0.2654	0.2544	Ave		0.2596			0.1000	3.9		20.0			
Methylene Chloride	+++++ 0.2688	0.7211 0.2665	0.4895 0.2635	0.3577 0.2644	0.3076	Lin1	0.5155	0.2551			0.1000	9.9			0.9990		0.9900
2-Methyl-2-propanol	0.0688 0.0625	0.0669 0.0638	0.0626 0.0651	0.0638 0.0675	0.0633	Ave		0.0649				3.5		20.0			
Methyl tert-butyl ether	0.7472 0.7287	0.7258 0.7323	0.7338 0.7452	0.7442 0.7584	0.7382	Ave		0.7393			0.1000	1.4		20.0			
trans-1,2-Dichloroethene	0.3415 0.2511	0.3137 0.2476	0.2898 0.2470	0.2634 0.2529	0.2717	Ave		0.2754			0.1000	12.1		20.0			
Acrylonitrile	0.1558 0.1432	0.1563 0.1442	0.1468 0.1455	0.1505 0.1490	0.1486	Ave		0.1489				3.1		20.0			
Hexane	0.2854 0.3128	0.3130 0.3223	0.3104 0.3267	0.2960 0.3474	0.3016	Ave		0.3128				5.8		20.0			
1,1-Dichloroethane	0.5579 0.4405	0.5226 0.4398	0.4975 0.4421	0.4809 0.4501	0.4684	Ave		0.4778			0.2000	8.7		20.0			
Vinyl acetate	0.4749 0.4597	0.4596 0.5233	0.4593 0.4973	0.4647 0.4743	0.4527	Ave		0.4740				4.8		20.0			
2,2-Dichloropropane	+++++ 0.0842	0.1252 0.0794	0.0977 0.0789	0.0942 0.0797	0.0882	Lin1	0.0535	0.0793				6.1			0.9990		0.9900
cis-1,2-Dichloroethene	0.3909 0.2766	0.3434 0.2707	0.3083 0.2735	0.3087 0.2777	0.2946	Ave		0.3049			0.1000	13.1		20.0			
2-Butanone (MEK)	0.0548 0.0520	0.0527 0.0521	0.0512 0.0536	0.0513 0.0548	0.0525	Ave		0.0528			0.0100	2.5		20.0			
Chlorobromomethane	0.2371 0.1880	0.2237 0.1783	0.2236 0.1746	0.2108 0.1771	0.2032	Ave		0.2018				11.6		20.0			
Tetrahydrofuran	0.1376 0.1179	0.1443 0.1205	0.1264 0.1218	0.1236 0.1255	0.1218	Ave		0.1266				6.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Canton Job No.: 240-171981-1 Analy Batch No.: 522080

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2022 15:46 Calibration End Date: 04/07/2022 18:55 Calibration ID: 65265

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 9	LVL 5		B	M1	M2								
Chloroform	0.5039 0.4476	0.5300 0.4398	0.5175 0.4434	0.4954 0.4515	0.4833	Ave		0.4792			0.2000	7.2		20.0			
Cyclohexane	0.4862 0.3896	0.4486 0.3878	0.4294 0.3829	0.4240 0.4013	0.4090	Ave		0.4176			0.1000	8.1		20.0			
1,1,1-Trichloroethane	0.4256 0.4055	0.4507 0.3994	0.4755 0.3990	0.4445 0.4082	0.4266	Ave		0.4261			0.1000	6.2		20.0			
Carbon tetrachloride	0.3582 0.3325	0.3759 0.3283	0.3724 0.3251	0.3609 0.3364	0.3513	Ave		0.3490			0.1000	5.5		20.0			
1,1-Dichloropropene	0.3140 0.3527	0.3553 0.3482	0.3461 0.3522	0.3509 0.3604	0.3535	Ave		0.3481				3.9		20.0			
Benzene	1.1290 1.0085	1.0511 1.0062	1.0602 1.0137	1.0405 1.0396	1.0459	Ave		1.0439			0.5000	3.6		20.0			
Isobutyl alcohol	0.0167 0.0154	0.0131 0.0159	0.0137 0.0166	0.0147 0.0170	0.0149	Ave		0.0153				8.8		20.0			
1,2-Dichloroethane	0.3730 0.3288	0.3621 0.3243	0.3642 0.3255	0.3498 0.3315	0.3476	Ave		0.3452			0.1000	5.3		20.0			
n-Heptane	0.0618 0.0679	0.0774 0.0708	0.0712 0.0697	0.0724 0.0730	0.0680	Ave		0.0702				6.1		20.0			
Trichloroethene	0.2373 0.2612	0.2520 0.2569	0.2609 0.2610	0.2634 0.2690	0.2696	Ave		0.2590			0.1500	3.8		20.0			
Methylcyclohexane	0.3910 0.4273	0.4143 0.4287	0.4390 0.4289	0.4505 0.4502	0.4337	Ave		0.4293			0.1000	4.3		20.0			
1,2-Dichloropropane	0.2888 0.2455	0.2582 0.2441	0.2617 0.2477	0.2555 0.2522	0.2554	Ave		0.2566			0.1000	5.2		20.0			
Dibromomethane	0.1842 0.1557	0.1727 0.1545	0.1858 0.1554	0.1747 0.1578	0.1680	Ave		0.1676				7.4		20.0			
1,4-Dioxane	0.0079 0.0067	0.0072 0.0067	0.0071 0.0068	0.0071 0.0070	0.0067	Ave		0.0070				5.4		20.0			
Dichlorobromomethane	0.4519 0.3390	0.4011 0.3353	0.3778 0.3386	0.3650 0.3454	0.3642	Ave		0.3687			0.1500	10.3		20.0			
2-Chloroethyl vinyl ether	0.1957 0.1830	0.1902 0.1883	0.1746 0.1926	0.1822 0.1973	0.1811	Ave		0.1872				4.0		20.0			
cis-1,3-Dichloropropene	0.4250 0.4180	0.4220 0.4126	0.4151 0.4219	0.4239 0.4228	0.4222	Ave		0.4204			0.1500	1.0		20.0			
4-Methyl-2-pentanone (MIBK)	0.3149 0.3151	0.3140 0.3198	0.3145 0.3269	0.3212 0.3321	0.3220	Ave		0.3201			0.0500	2.0		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 Canton Job No.: 240-171981-1 Analy Batch No.: 522080

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2022 15:46 Calibration End Date: 04/07/2022 18:55 Calibration ID: 65265

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 9	LVL 5		B	M1	M2								
Toluene	1.7095 1.4657	1.6082 1.4376	1.4974 1.4538	1.5128 1.4890	1.4827	Ave		1.5174			0.4000	5.7		20.0			
trans-1,3-Dichloropropene	0.4777 0.5156	0.4834 0.5261	0.4781 0.5318	0.5022 0.5491	0.5067	Ave		0.5079			0.1000	5.0		20.0			
Ethyl methacrylate	0.5298 0.4925	0.4825 0.4902	0.4883 0.4931	0.4950 0.5075	0.5021	Ave		0.4979				2.8		20.0			
1,1,2-Trichloroethane	0.2977 0.3105	0.2932 0.3120	0.2888 0.3142	0.3070 0.3267	0.3082	Ave		0.3065			0.1000	3.8		20.0			
Tetrachloroethene	0.2967 0.3373	0.3210 0.3290	0.3305 0.3278	0.3291 0.3391	0.3280	Ave		0.3265			0.1500	3.8		20.0			
1,3-Dichloropropane	0.5182 0.5373	0.5135 0.5425	0.5162 0.5527	0.5262 0.5697	0.5329	Ave		0.5344				3.5		20.0			
2-Hexanone	0.3549 0.3437	0.3183 0.3434	0.3234 0.3439	0.3380 0.3566	0.3429	Ave		0.3406			0.0500	3.7		20.0			
Chlorodibromomethane	0.3527 0.3314	0.3368 0.3318	0.3326 0.3362	0.3284 0.3484	0.3305	Ave		0.3365				2.5		20.0			
Ethylene Dibromide	0.3026 0.3415	0.3548 0.3370	0.3372 0.3420	0.3290 0.3524	0.3326	Ave		0.3366				4.5		20.0			
Chlorobenzene	0.9446 0.8990	0.9306 0.8893	0.9278 0.8917	0.9263 0.9114	0.9090	Ave		0.9144			0.3000	2.1		20.0			
Ethylbenzene	0.5104 0.5140	0.5434 0.5038	0.5252 0.5062	0.5200 0.5171	0.5201	Ave		0.5178				2.3		20.0			
1,1,1,2-Tetrachloroethane	0.2913 0.3244	0.2981 0.3159	0.3117 0.3265	0.3185 0.3350	0.3212	Ave		0.3159				4.4		20.0			
m-Xylene & p-Xylene	0.6400 0.6452	0.6586 0.6270	0.6788 0.6252	0.6543 0.6357	0.6579	Ave		0.6470				2.7		20.0			
o-Xylene	0.6409 0.6152	0.6471 0.6093	0.6321 0.6058	0.6312 0.6193	0.6399	Ave		0.6267				2.4		20.0			
Styrene	1.0984 1.0649	1.0483 1.0505	1.0691 1.0437	1.0765 1.0708	1.0734	Ave		1.0662			0.3000	1.6		20.0			
Bromoform	0.2359 0.2429	0.2206 0.2400	0.2330 0.2424	0.2356 0.2539	0.2364	Ave		0.2378			0.1000	3.8		20.0			
Isopropylbenzene	1.5693 1.6512	1.6810 1.6095	1.6859 1.6094	1.6862 1.6275	1.6710	Ave		1.6434			0.1000	2.5		20.0			
Bromobenzene	0.7372 0.6934	0.6748 0.6835	0.6846 0.6885	0.7033 0.7060	0.6863	Ave		0.6953				2.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Canton | Job No.: 240-171981-1 | Analy Batch No.: 522080

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2022 15:46 | Calibration End Date: 04/07/2022 18:55 | Calibration ID: 65265

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 9	LVL 5		B	M1	M2								
1,1,2,2-Tetrachloroethane	1.0151 0.9393	0.9681 0.9721	0.9377 0.9795	0.9497 1.0092	0.9477	Ave		0.9687			0.3000	3.0		20.0			
N-Propylbenzene	0.8335 0.8512	0.8560 0.8344	0.8584 0.8459	0.8321 0.8738	0.8461	Ave		0.8479				1.6		20.0			
1,2,3-Trichloropropane	0.3025 0.3065	0.2861 0.3081	0.3034 0.3148	0.3110 0.3289	0.3123	Ave		0.3082				3.7		20.0			
trans-1,4-Dichloro-2-butene	0.3788 0.3059	0.3239 0.3088	0.2988 0.3196	0.3111 0.3332	0.3071	Ave		0.3208				7.5		20.0			
2-Chlorotoluene	0.7024 0.7091	0.7485 0.7047	0.7127 0.7058	0.7264 0.7367	0.7166	Ave		0.7181				2.2		20.0			
1,3,5-Trimethylbenzene	2.3876 2.6457	2.6368 2.6331	2.6491 2.6221	2.6626 2.7287	2.6068	Ave		2.6192				3.6		20.0			
4-Chlorotoluene	0.6716 0.7319	0.7210 0.7185	0.7322 0.7208	0.7378 0.7462	0.7311	Ave		0.7235				3.0		20.0			
tert-Butylbenzene	2.1667 2.2349	2.1970 2.1754	2.2702 2.2048	2.2345 2.2795	2.2343	Ave		2.2219				1.8		20.0			
1,2,4-Trimethylbenzene	2.6660 2.7066	2.6219 2.6450	2.6900 2.6800	2.7004 2.7545	2.6793	Ave		2.6826				1.4		20.0			
sec-Butylbenzene	3.1672 3.3309	3.1923 3.2997	3.3417 3.3426	3.3389 3.4455	3.3581	Ave		3.3130				2.6		20.0			
1,3-Dichlorobenzene	1.2509 1.3517	1.3586 1.3586	1.3998 1.3693	1.3708 1.4068	1.3823	Ave		1.3610			0.6000	3.3		20.0			
4-Isopropyltoluene	2.6660 2.8461	2.7519 2.8392	2.8242 2.8569	2.8532 2.9458	2.8383	Ave		2.8246				2.7		20.0			
1,4-Dichlorobenzene	1.3632 1.3552	1.3507 1.3639	1.3787 1.3847	1.3561 1.4120	1.3820	Ave		1.3718			0.5000	1.4		20.0			
n-Butylbenzene	2.1616 2.6468	2.4748 2.6647	2.4989 2.6774	2.6003 2.7914	2.6146	Ave		2.5700				7.0		20.0			
1,2-Dichlorobenzene	1.2938 1.2930	1.2990 1.2935	1.3348 1.2936	1.2870 1.3468	1.3209	Ave		1.3069			0.4000	1.7		20.0			
1,2-Dibromo-3-Chloropropane	0.3164 0.2969	0.3134 0.2966	0.3202 0.3022	0.3016 0.3107	0.3000	Ave		0.3065			0.0500	2.9		20.0			
1,2,4-Trichlorobenzene	0.7857 0.8392	0.8054 0.8501	0.8288 0.8627	0.8383 0.8973	0.8301	Ave		0.8375			0.2000	3.8		20.0			
Hexachlorobutadiene	0.2771 0.3407	0.3345 0.3428	0.3167 0.3415	0.3244 0.3626	0.3293	Ave		0.3300				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 Canton Job No.: 240-171981-1 Analy Batch No.: 522080

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2022 15:46 Calibration End Date: 04/07/2022 18:55 Calibration ID: 65265

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 9	LVL 5		B	M1	M2								
Naphthalene	2.9834 2.9655	2.9528 2.9639	2.9508 3.0323	2.9933 3.1473	3.0223	Ave		3.0013				2.1		20.0			
1,2,3-Trichlorobenzene	0.7503 0.7955	0.7582 0.8224	0.8193 0.8277	0.7942 0.8568	0.8143	Ave		0.8043				4.2		20.0			
Dibromofluoromethane (Surr)	+++++ 0.2729	0.2976 0.2755	0.2788 0.2759	0.2226 0.2724	0.2738	Ave		0.2712				7.9		20.0			
1,2-Dichloroethane-d4 (Surr)	+++++ 0.2918	0.3595 0.2931	0.3175 0.2927	0.2442 0.2903	0.2895	Ave		0.2973				10.8		20.0			
Toluene-d8 (Surr)	1.4238 1.3862	1.3174 1.4210	1.1990 1.4287	1.0632 1.4189	1.3166	Ave		1.3305				9.5		20.0			
4-Bromofluorobenzene (Surr)	+++++ 0.5202	0.5370 0.5382	0.4601 0.5389	0.4140 0.5329	0.4977	Ave		0.5049				9.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Canton | Job No.: 240-171981-1 | Analy Batch No.: 522080

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2022 21:40 | Calibration End Date: 04/08/2022 00:50 | Calibration ID: 65269

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-522080/18	225050.D
Level 2	IC 240-522080/19	225051.D
Level 3	IC 240-522080/20	225052.D
Level 4	IC 240-522080/21	225053.D
Level 5	IC 240-522080/22	225054.D
Level 6	IC 240-522080/23	225055.D
Level 7	IC 240-522080/24	225056.D
Level 8	IC 240-522080/25	225057.D
Level 9	IC 240-522080/26	225058.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 9	LVL 5		B	M1	M2								
Acetonitrile	0.0789 0.0565	0.0721 0.0575	0.0647 0.0557	0.0609 0.0558	0.0573	Ave		0.0622				13.3		20.0			
Diisopropyl ether	0.1729 0.2019	0.2009 0.2139	0.1960 0.2103	0.1975 0.2164	0.2000	Ave		0.2011				6.4		20.0			
2-Chloro-1,3-butadiene	0.3780 0.3788	0.4053 0.3871	0.4006 0.3897	0.3890 0.3936	0.3704	Ave		0.3881				2.9		20.0			
Ethyl-t-butyl ether (ETBE)	0.6123 0.7119	0.7059 0.7501	0.6807 0.7326	0.6889 0.7532	0.6972	Ave		0.7036				6.1		20.0			
Ethyl acetate	0.2594 0.3014	0.2930 0.3218	0.2743 0.3189	0.2797 0.3287	0.2850	Ave		0.2958				8.0		20.0			
Propionitrile	0.0685 0.0667	0.0738 0.0681	0.0706 0.0666	0.0689 0.0674	0.0665	Ave		0.0686				3.5		20.0			
Methacrylonitrile	0.1806 0.1924	0.1887 0.2003	0.1926 0.1950	0.1924 0.1977	0.1899	Ave		0.1922				2.9		20.0			
Tert-amyl-methyl ether (TAME)	0.8623 0.9642	0.9117 1.0183	0.9416 1.0059	0.9377 1.0353	0.9314	Ave		0.9565				5.8		20.0			
n-Butanol	0.0110 0.0143	0.0127 0.0154	0.0126 0.0156	0.0128 0.0161	0.0132	Ave		0.0137				12.4		20.0			
Methyl methacrylate	0.2250 0.2367	0.2296 0.2511	0.2347 0.2434	0.2326 0.2504	0.2365	Ave		0.2378				3.8		20.0			
2-Nitropropane	0.1334 0.0968	0.1210 0.1020	0.1052 0.1003	0.0965 0.1020	0.0945	Ave		0.1057				12.3		20.0			
n-Butyl acetate	0.5744 0.5883	0.5909 0.6188	0.5956 0.6025	0.5762 0.6134	0.5859	Ave		0.5940				2.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Canton Job No.: 240-171981-1 Analy Batch No.: 522080

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2022 21:40 Calibration End Date: 04/08/2022 00:50 Calibration ID: 65269

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 9	LVL 5		B	M1	M2								
1-Chlorohexane	0.5951 0.4499	0.5053 0.4582	0.4970 0.4642	0.4709 0.4792	0.4326	Ave		0.4836				9.8		20.0			
Cyclohexanone	0.0346 0.0274	0.0327 0.0288	0.0279 0.0287	0.0274 0.0287	0.0263	Ave		0.0292				9.3		20.0			
Pentachloroethane	0.1504 0.0340	0.0513 0.0500	0.0609 0.0257	0.0505 0.0413	0.0614	Ave		0.0584				62.4	*	20.0			
1,2,3-Trimethylbenzene	2.5900 2.6386	2.5479 2.7400	2.7562 2.6687	2.6595 2.7320	2.5659	Ave		2.6554				2.9		20.0			
Benzyl chloride	1.6332 1.6043	1.6962 1.6715	1.6331 1.6082	1.5966 1.6207	1.5639	Ave		1.6253				2.4		20.0			
1,3,5-Trichlorobenzene	0.8060 0.8748	0.8809 0.9296	0.8902 0.9044	0.8704 0.9319	0.8433	Ave		0.8813				4.5		20.0			
2-Methylnaphthalene	1.0989 1.3258	1.1548 1.4123	1.2255 1.3746	1.2419 1.4010	1.2641	Ave		1.2777				8.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Canton | Job No.: 240-171981-1 | Analy Batch No.: 524416

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2022 15:53 | Calibration End Date: 04/28/2022 19:03 | Calibration ID: 65475

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-524416/3	225395.D
Level 2	IC 240-524416/4	225396.D
Level 3	IC 240-524416/5	225397.D
Level 4	IC 240-524416/6	225398.D
Level 5	IC 240-524416/7	225399.D
Level 6	ICIS 240-524416/8	225400.D
Level 7	IC 240-524416/9	225401.D
Level 8	IC 240-524416/10	225402.D
Level 9	IC 240-524416/11	225403.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 9	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.2507 0.2698	0.3013 0.2709	0.3107 0.2607	0.2867 0.2543	0.2792	Ave		0.2760			0.1000	7.4		20.0			
Chloromethane	0.3767 0.2851	0.3616 0.2810	0.3412 0.2764	0.3116 0.2755	0.2907	Ave		0.3111			0.1000	12.6		20.0			
Vinyl chloride	0.3780 0.3336	0.3981 0.3239	0.3923 0.3088	0.3644 0.3089	0.3503	Ave		0.3509			0.1000	9.8		20.0			
Butadiene	0.3913 0.3257	0.4112 0.3080	0.4087 0.2972	0.3601 0.2909	0.3262	Ave		0.3466				13.7		20.0			
Bromomethane	0.3346 0.1342	0.2377 0.1383	0.1918 0.1390	0.1644 0.1435	0.1431	Lin1	0.1035	0.1377			0.0500	5.9			0.9990		0.9900
Chloroethane	+++++ 0.2249	0.3083 0.1756	0.2734 0.1569	0.2376 +++++	0.2270	Qua	-0.007	0.2671	-0.002234		0.0500	12.4			0.9960		0.9900
Trichlorofluoromethane	0.4451 0.4208	0.4817 0.4086	0.4977 0.3957	0.4621 0.3932	0.4357	Ave		0.4379			0.1000	8.5		20.0			
Dichlorofluoromethane	0.6504 0.5226	0.6414 0.5095	0.6145 0.4882	0.5661 0.4898	0.5431	Ave		0.5584				11.3		20.0			
Ethyl ether	0.2898 0.2241	0.2509 0.2231	0.2598 0.2094	0.2349 0.2070	0.2355	Ave		0.2372				11.1		20.0			
1,1,2-Trichloro-1,2,2-trichfluoroethane	+++++ 0.2243	0.2353 0.2293	0.2661 0.2232	0.2430 0.2197	0.2236	Ave		0.2330			0.0500	6.6		20.0			
Acrolein	0.0594 0.0513	0.0552 0.0535	0.0545 0.0531	0.0525 0.0517	0.0522	Ave		0.0537				4.6		20.0			
1,1-Dichloroethene	0.1970 0.2212	0.2517 0.2257	0.2470 0.2173	0.2381 0.2171	0.2295	Ave		0.2272			0.1000	7.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Canton | Job No.: 240-171981-1 | Analy Batch No.: 524416

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2022 15:53 | Calibration End Date: 04/28/2022 19:03 | Calibration ID: 65475

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 9	LVL 5		B	M1	M2								
Acetone	0.4076 0.1297	0.2663 0.1324	0.1772 0.1273	0.1412 0.1292	0.1301	Lin1	0.2727	0.1256			0.0100	4.4			0.9990		0.9900
Iodomethane	+++++ 0.1985	0.2187 0.2082	0.1871 0.2140	0.1814 0.2185	0.1876	Ave		0.2017				7.5		20.0			
Carbon disulfide	0.8024 0.6901	0.7796 0.6882	0.7803 0.6630	0.7355 0.6611	0.7034	Ave		0.7226			0.1000	7.4		20.0			
3-Chloro-1-propene	0.3990 0.3356	0.3845 0.3349	0.3548 0.3345	0.3596 0.3241	0.3565	Ave		0.3537				7.0		20.0			
Methyl acetate	0.3492 0.2699	0.2621 0.2779	0.2775 0.2730	0.2663 0.2771	0.2667	Ave		0.2800			0.1000	9.5		20.0			
Methylene Chloride	+++++ 0.2578	0.3043 0.2625	0.2991 0.2535	0.2802 0.2451	0.2688	Ave		0.2714			0.1000	7.9		20.0			
tert-Butyl alcohol	0.0391 0.0482	0.0376 0.0512	0.0401 0.0522	0.0425 0.0543	0.0437	Ave		0.0455				13.6		20.0			
Methyl tert-butyl ether	0.7593 0.7282	0.6828 0.7385	0.7584 0.7206	0.7238 0.7182	0.7210	Ave		0.7279			0.1000	3.2		20.0			
trans-1,2-Dichloroethene	0.2932 0.2513	0.2744 0.2488	0.2708 0.2427	0.2573 0.2426	0.2527	Ave		0.2593			0.1000	6.5		20.0			
Acrylonitrile	0.1635 0.1510	0.1422 0.1533	0.1557 0.1486	0.1524 0.1483	0.1519	Ave		0.1519				3.8		20.0			
Hexane	+++++ 0.3270	0.3111 0.3586	0.3233 0.3517	0.3306 0.3469	0.3112	Ave		0.3325				5.4		20.0			
1,1-Dichloroethane	0.4898 0.4509	0.4939 0.4539	0.5019 0.4381	0.4815 0.4391	0.4687	Ave		0.4686			0.2000	5.2		20.0			
Vinyl acetate	0.3568 0.3338	0.3516 0.3710	0.3281 0.4593	0.3476 +++++	0.4030	Ave		0.3689				11.7		20.0			
2,2-Dichloropropane	0.0641 0.0650	0.0599 0.0638	0.0742 0.0654	0.0596 0.0641	0.0632	Ave		0.0644				6.5		20.0			
cis-1,2-Dichloroethene	0.3411 0.2745	0.2896 0.2745	0.3152 0.2655	0.2878 0.2681	0.2840	Ave		0.2889			0.1000	8.5		20.0			
2-Butanone	+++++ 0.0528	0.0483 0.0536	0.0495 0.0528	0.0489 0.0534	0.0503	Ave		0.0512			0.0100	4.2		20.0			
Bromochloromethane	0.2623 0.2026	0.2239 0.2025	0.2412 0.1893	0.2226 0.1864	0.2152	Ave		0.2162				11.4		20.0			
Tetrahydrofuran	+++++ 0.1265	0.1606 0.1295	0.1249 0.1264	0.1255 0.1283	0.1257	Ave		0.1309				9.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Canton Job No.: 240-171981-1 Analy Batch No.: 524416

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2022 15:53 Calibration End Date: 04/28/2022 19:03 Calibration ID: 65475

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 9	LVL 5		B	M1	M2								
Chloroform	0.5483 0.4536	0.5001 0.4526	0.5056 0.4401	0.4820 0.4325	0.4587	Ave		0.4748			0.2000	7.9		20.0			
Cyclohexane	+++++ 0.3796	0.4020 0.3978	0.4347 0.3869	0.4290 0.3798	0.3898	Ave		0.4000			0.1000	5.3		20.0			
1,1,1-Trichloroethane	0.3614 0.3791	0.3959 0.3768	0.4173 0.3689	0.3964 0.3686	0.3749	Ave		0.3821			0.1000	4.6		20.0			
Carbon tetrachloride	0.2492 0.2843	0.3062 0.2855	0.3122 0.2809	0.2969 0.2834	0.2793	Ave		0.2864			0.1000	6.4		20.0			
1,1-Dichloropropene	0.3065 0.3617	0.3434 0.3589	0.3760 0.3501	0.3619 0.3519	0.3567	Ave		0.3519				5.5		20.0			
Benzene	1.1132 1.0255	1.0282 1.0361	1.0461 1.0011	1.0434 1.0048	1.0250	Ave		1.0359			0.5000	3.2		20.0			
Isobutyl alcohol	+++++ 0.0113	0.0063 0.0129	0.0070 +++++	0.0081 +++++	0.0094	Qua	-0.085	0.0081	0.0000052			10.4			1.0000		0.9900
1,2-Dichloroethane	0.4639 0.3416	0.3801 0.3464	0.3714 0.3283	0.3695 0.3218	0.3565	Ave		0.3644			0.1000	11.6		20.0			
n-Heptane	+++++ 0.0661	0.0629 0.0705	0.0674 0.0699	0.0685 0.0698	0.0635	Ave		0.0673				4.4		20.0			
Trichloroethene	0.2706 0.2605	0.2349 0.2595	0.2537 0.2474	0.2587 0.2563	0.2513	Ave		0.2548			0.1500	3.9		20.0			
Methylcyclohexane	+++++ 0.4140	0.3968 0.4375	0.4348 0.4351	0.4222 0.4274	0.4057	Ave		0.4217			0.1000	3.5		20.0			
1,2-Dichloropropane	0.2716 0.2527	0.2482 0.2561	0.2597 0.2493	0.2531 0.2486	0.2555	Ave		0.2550			0.1000	2.9		20.0			
Dibromomethane	0.1546 0.1523	0.1644 0.1551	0.1698 0.1458	0.1628 0.1447	0.1538	Ave		0.1559				5.4		20.0			
1,4-Dioxane	+++++ 0.0052	0.0036 0.0055	0.0043 0.0055	0.0047 0.0056	0.0049	Lin1	-0.056	0.0055				7.9			0.9990		0.9900
Bromodichloromethane	0.3721 0.3307	0.3463 0.3336	0.3562 0.3234	0.3359 0.3198	0.3345	Ave		0.3392			0.1500	4.9		20.0			
2-Chloroethyl vinyl ether	0.1757 0.1926	0.1622 0.2012	0.1786 0.1956	0.1745 0.1980	0.1827	Ave		0.1846				7.1		20.0			
cis-1,3-Dichloropropene	0.4067 0.3789	0.3412 0.3989	0.3702 0.3863	0.3767 0.3856	0.3739	Ave		0.3798			0.1500	4.9		20.0			
4-Methyl-2-pentanone	0.3404 0.3386	0.3058 0.3468	0.2984 0.3415	0.3095 0.3436	0.3223	Ave		0.3275			0.0500	5.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Canton | Job No.: 240-171981-1 | Analy Batch No.: 524416

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2022 15:53 | Calibration End Date: 04/28/2022 19:03 | Calibration ID: 65475

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 9	LVL 5		B	M1	M2								
Toluene	1.5693 1.4628	1.4169 1.4337	1.4974 1.4069	1.4455 1.4238	1.4208	Ave		1.4530			0.4000	3.6		20.0			
trans-1,3-Dichloropropene	0.4147 0.4447	0.3497 0.4718	0.3940 0.4622	0.3920 0.4684	0.4187	Ave		0.4240			0.1000	9.8		20.0			
Ethyl methacrylate	0.3841 0.4505	0.3262 0.4624	0.3890 0.4578	0.3905 0.4697	0.4183	Ave		0.4165				11.5		20.0			
1,1,2-Trichloroethane	0.3223 0.3141	0.2676 0.3237	0.3000 0.3063	0.3011 0.3109	0.3046	Ave		0.3056			0.1000	5.4		20.0			
Tetrachloroethene	0.2603 0.3238	0.3007 0.3207	0.3253 0.3109	0.3114 0.3191	0.3074	Ave		0.3088			0.1500	6.5		20.0			
1,3-Dichloropropane	0.5482 0.5608	0.4964 0.5650	0.5458 0.5500	0.5399 0.5471	0.5403	Ave		0.5437				3.6		20.0			
2-Hexanone	0.3530 0.3544	0.2965 0.3629	0.3113 0.3504	0.3286 0.3555	0.3341	Ave		0.3385			0.0500	6.7		20.0			
Dibromochloromethane	0.2891 0.2975	0.2842 0.3129	0.2911 0.3056	0.2917 0.3061	0.2938	Ave		0.2969				3.2		20.0			
1,2-Dibromoethane	0.3088 0.3294	0.2831 0.3420	0.3115 0.3271	0.3156 0.3318	0.3108	Ave		0.3178				5.4		20.0			
Chlorobenzene	0.9200 0.8872	0.8666 0.8820	0.9441 0.8584	0.8943 0.8696	0.8639	Ave		0.8873			0.3000	3.2		20.0			
Ethylbenzene	0.4842 0.5007	0.4734 0.4949	0.5002 0.4828	0.4889 0.4940	0.4837	Ave		0.4892				1.8		20.0			
1,1,1,2-Tetrachloroethane	0.2524 0.2783	0.2323 0.2900	0.2432 0.2840	0.2450 0.2902	0.2601	Ave		0.2639				8.4		20.0			
m-Xylene & p-Xylene	0.6070 0.6182	0.5938 0.5882	0.6410 0.5815	0.6087 0.5942	0.5853	Ave		0.6020				3.1		20.0			
o-Xylene	0.6097 0.5951	0.5777 0.5736	0.6056 0.5617	0.5878 0.5741	0.5813	Ave		0.5852				2.7		20.0			
Styrene	1.0024 1.0102	0.9053 1.0056	1.0042 0.9736	0.9799 0.9889	0.9766	Ave		0.9830			0.3000	3.3		20.0			
Bromoform	0.1945 0.1992	0.1597 0.2066	0.1751 0.2046	0.1772 0.2104	0.1862	Ave		0.1904			0.1000	9.0		20.0			
Isopropylbenzene	1.3799 1.5744	1.4777 1.5484	1.6470 1.5182	1.5686 1.5468	1.5369	Ave		1.5331			0.1000	4.8		20.0			
Bromobenzene	0.6992 0.6764	0.5962 0.6930	0.6835 0.6690	0.6599 0.6683	0.6515	Ave		0.6663				4.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Canton | Job No.: 240-171981-1 | Analy Batch No.: 524416

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2022 15:53 | Calibration End Date: 04/28/2022 19:03 | Calibration ID: 65475

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 9	LVL 5		B	M1	M2								
1,1,2,2-Tetrachloroethane	1.0169 0.9596	0.8948 0.9991	0.9218 1.0210	0.9260 0.9675	0.9454	Ave		0.9613			0.3000	4.6		20.0			
n-Propylbenzene	0.7552 0.8225	0.7298 0.8242	0.8600 0.8056	0.8028 0.8168	0.7792	Ave		0.7996				4.9		20.0			
1,2,3-Trichloropropane	0.3068 0.3209	0.2458 0.3284	0.3184 0.3216	0.3037 0.3159	0.3100	Ave		0.3079				8.0		20.0			
trans-1,4-Dichloro-2-butene	0.1871 0.2539	0.1776 0.2748	0.2088 0.2791	0.2161 0.2782	0.2322	Ave		0.2342				16.8		20.0			
2-Chlorotoluene	0.7214 0.6864	0.6037 0.6843	0.7033 0.6753	0.6765 0.6770	0.6673	Ave		0.6772				4.8		20.0			
1,3,5-Trimethylbenzene	2.3399 2.5501	2.2502 2.5067	2.5367 2.4733	2.4909 2.5029	2.4569	Ave		2.4564				4.0		20.0			
4-Chlorotoluene	0.6725 0.7032	0.6225 0.7189	0.7515 0.6871	0.6960 0.7011	0.6678	Ave		0.6912				5.2		20.0			
tert-Butylbenzene	1.7968 2.1326	2.0271 2.1495	2.2337 2.1017	2.1028 2.1397	2.1047	Ave		2.0876				5.8		20.0			
1,2,4-Trimethylbenzene	2.4653 2.6068	2.2930 2.6055	2.6224 2.5474	2.5675 2.5786	2.5723	Ave		2.5399				4.1		20.0			
sec-Butylbenzene	2.5723 3.2624	3.0914 3.3253	3.3878 3.2388	3.2676 3.2526	3.1728	Ave		3.1746				7.6		20.0			
1,3-Dichlorobenzene	1.2824 1.3163	1.2359 1.3408	1.3339 1.3136	1.3350 1.3322	1.3153	Ave		1.3117			0.6000	2.6		20.0			
p-Isopropyltoluene	2.1402 2.7375	2.3955 2.7467	2.6967 2.7218	2.6963 2.7486	2.6141	Ave		2.6108				8.0		20.0			
1,4-Dichlorobenzene	1.4984 1.3275	1.2210 1.3405	1.3590 1.3089	1.3399 1.3245	1.3017	Ave		1.3357			0.5000	5.4		20.0			
n-Butylbenzene	1.9569 2.6168	2.1831 2.6602	2.5774 2.6283	2.5558 2.6602	2.5221	Ave		2.4845				9.9		20.0			
1,2-Dichlorobenzene	1.3463 1.2813	1.2232 1.2777	1.2983 1.2481	1.2578 1.2581	1.2569	Ave		1.2720			0.4000	2.8		20.0			
1,2-Dibromo-3-Chloropropane	0.2370 0.2500	0.2071 0.2662	0.2228 0.2669	0.2216 0.2682	0.2422	Ave		0.2424			0.0500	9.2		20.0			
1,2,4-Trichlorobenzene	0.7217 0.7980	0.6883 0.8402	0.7954 0.8245	0.7814 0.8258	0.7752	Ave		0.7834			0.2000	6.4		20.0			
Hexachlorobutadiene	+++++ 0.3070	0.2904 0.3156	0.3271 0.3215	0.3071 0.3148	0.2953	Ave		0.3098				4.0		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 Canton Job No.: 240-171981-1 Analy Batch No.: 524416

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2022 15:53 Calibration End Date: 04/28/2022 19:03 Calibration ID: 65475

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 9	LVL 5		B	M1	M2								
Naphthalene	2.7556 2.8839	2.4249 3.0251	2.7692 2.9828	2.7394 2.9422	2.7451	Ave		2.8076				6.4		20.0			
1,2,3-Trichlorobenzene	0.7747 0.7583	0.6707 0.8000	0.7725 0.7846	0.7452 0.7945	0.7356	Ave		0.7596				5.2		20.0			
Dibromofluoromethane (Surr)	0.3084 0.2734	0.2614 0.2767	0.2644 0.2764	0.2178 0.2728	0.2656	Ave		0.2685				8.7		20.0			
1,2-Dichloroethane-d4 (Surr)	0.4914 0.3097	0.3953 0.3145	0.3432 0.3035	0.2637 0.3055	0.3062	Lin1	0.0781	0.3045				8.1			0.9990		0.9900
Toluene-d8 (Surr)	1.3990 1.4303	1.2717 1.4242	1.2054 1.4410	1.0396 1.4390	1.3176	Ave		1.3298				10.3		20.0			
4-Bromofluorobenzene (Surr)	0.5933 0.5282	0.4789 0.5264	0.4725 0.5279	0.3934 0.5306	0.4813	Ave		0.5036				11.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab Sample ID: ICV 240-522080/28 Calibration Date: 04/08/2022 01:37

Instrument ID: A3UX22 Calib Start Date: 04/07/2022 21:40

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/08/2022 00:50

Lab File ID: 225060.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	0.0622	0.0570		0.229	0.250	-8.4	30.0
Diisopropyl ether	Ave	0.2011	0.1997		0.0248	0.0250	-0.7	30.0
2-Chloro-1,3-butadiene	Ave	0.3881	0.3766		0.0243	0.0250	-3.0	30.0
Ethyl-t-butyl ether (ETBE)	Ave	0.7036	0.7117		0.0253	0.0250	1.1	30.0
Ethyl acetate	Ave	0.2958	0.3037		0.0513	0.0500	2.7	30.0
Propionitrile	Ave	0.0686	0.0668		0.244	0.250	-2.6	30.0
Methacrylonitrile	Ave	0.1922	0.1961		0.255	0.250	2.1	30.0
Tert-amyl-methyl ether (TAME)	Ave	0.9565	0.9665		0.0253	0.0250	1.0	30.0
n-Butanol	Ave	0.0137	0.0145		0.661	0.625	5.8	30.0
Ethyl acrylate	Ave	0.3851	0.3893		0.0253	0.0250	1.1	30.0
Methyl methacrylate	Ave	0.2378	0.2398		0.0504	0.0500	0.8	30.0
2-Nitropropane	Ave	0.1057	0.0957		0.0453	0.0500	-9.4	30.0
n-Butyl acetate	Ave	0.5940	0.6061		0.0255	0.0250	2.0	30.0
1-Chlorohexane	Ave	0.4836	0.4740		0.0245	0.0250	-2.0	30.0
Cyclohexanone	Ave	0.0292	0.0327		0.281	0.250	12.3	30.0
Pentachloroethane	Ave	0.0584	0.0234		0.0200	0.0500	-59.9*	30.0
1,2,3-Trimethylbenzene	Ave	2.655	2.851		0.0268	0.0250	7.4	30.0
Benzyl chloride	Ave	1.625	1.520		0.0234	0.0250	-6.5	30.0
1,3,5-Trichlorobenzene	Ave	0.8813	0.9467		0.0269	0.0250	7.4	30.0
2-Methylnaphthalene	Ave	1.278	1.353		0.0529	0.0500	5.9	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab Sample ID: ICV 240-524416/14 Calibration Date: 04/28/2022 20:14

Instrument ID: A3UX22 Calib Start Date: 04/28/2022 15:53

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/28/2022 19:03

Lab File ID: 225406.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	0.2760	0.2814	0.1000	0.0255	0.0250	1.9	30.0
Chloromethane	Ave	0.3111	0.3023	0.1000	0.0243	0.0250	-2.8	30.0
Vinyl chloride	Ave	0.3509	0.3444	0.1000	0.0245	0.0250	-1.9	30.0
Butadiene	Ave	0.3466	0.2713		0.0196	0.0250	-21.7	30.0
Bromomethane	Lin1		0.1663	0.0500	0.0294	0.0250	17.8	30.0
Chloroethane	Qua		0.2063	0.0500	0.0243	0.0250	-2.9	30.0
Trichlorofluoromethane	Ave	0.4379	0.3969	0.1000	0.0227	0.0250	-9.3	30.0
Dichlorofluoromethane	Ave	0.5584	0.5110		0.0229	0.0250	-8.5	30.0
Ethyl ether	Ave	0.2372	0.2067		0.0218	0.0250	-12.8	30.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.2330	0.2021	0.0500	0.0217	0.0250	-13.3	30.0
1,1-Dichloroethene	Ave	0.2272	0.2052	0.1000	0.0226	0.0250	-9.7	30.0
Acrolein	Ave	0.0537	0.0409		0.0951	0.125	-23.9	30.0
Acetone	Lin1		0.1224	0.0100	0.0465	0.0500	-6.9	50.0
Iodomethane	Ave	0.2017	0.2089		0.0259	0.0250	3.6	30.0
Carbon disulfide	Ave	0.7226	0.6027	0.1000	0.0209	0.0250	-16.6	30.0
3-Chloro-1-propene	Ave	0.3537	0.3186		0.0225	0.0250	-9.9	30.0
Methyl acetate	Ave	0.2800	0.2622	0.1000	0.0468	0.0500	-6.3	50.0
Methylene Chloride	Ave	0.2714	0.2489	0.1000	0.0229	0.0250	-8.3	50.0
tert-Butyl alcohol	Ave	0.0455	0.0519		0.285	0.250	14.2	30.0
Methyl tert-butyl ether	Ave	0.7279	0.7002	0.1000	0.0240	0.0250	-3.8	30.0
trans-1,2-Dichloroethene	Ave	0.2593	0.2313	0.1000	0.0223	0.0250	-10.8	30.0
Acrylonitrile	Ave	0.1519	0.1467		0.241	0.250	-3.4	30.0
Hexane	Ave	0.3325	0.2869		0.0216	0.0250	-13.7	30.0
1,1-Dichloroethane	Ave	0.4686	0.4207	0.2000	0.0224	0.0250	-10.2	30.0
Vinyl acetate	Ave	0.3689	0.2640		0.0179	0.0250	-28.4	30.0
2,2-Dichloropropane	Ave	0.0644	0.0571		0.0222	0.0250	-11.4	30.0
cis-1,2-Dichloroethene	Ave	0.2889	0.2664	0.1000	0.0230	0.0250	-7.8	30.0
2-Butanone	Ave	0.0512	0.0498	0.0100	0.0486	0.0500	-2.8	50.0
Bromochloromethane	Ave	0.2162	0.1873		0.0217	0.0250	-13.4	30.0
Tetrahydrofuran	Ave	0.1309	0.1232		0.0471	0.0500	-5.9	30.0
Chloroform	Ave	0.4748	0.4320	0.2000	0.0227	0.0250	-9.0	30.0
Cyclohexane	Ave	0.4000	0.3554	0.1000	0.0222	0.0250	-11.1	30.0
1,1,1-Trichloroethane	Ave	0.3821	0.3543	0.1000	0.0232	0.0250	-7.3	30.0
Carbon tetrachloride	Ave	0.2864	0.2649	0.1000	0.0231	0.0250	-7.5	30.0
1,1-Dichloropropene	Ave	0.3519	0.3310		0.0235	0.0250	-5.9	30.0
Benzene	Ave	1.036	0.9709	0.5000	0.0234	0.0250	-6.3	30.0
Isobutyl alcohol	Qua		0.0123		0.669	0.625	7.1	30.0
1,2-Dichloroethane	Ave	0.3644	0.3314	0.1000	0.0227	0.0250	-9.1	30.0
n-Heptane	Ave	0.0673	0.0605		0.0225	0.0250	-10.1	30.0
Trichloroethene	Ave	0.2548	0.2502	0.1500	0.0246	0.0250	-1.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab Sample ID: ICV 240-524416/14 Calibration Date: 04/28/2022 20:14

Instrument ID: A3UX22 Calib Start Date: 04/28/2022 15:53

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/28/2022 19:03

Lab File ID: 225406.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	0.4217	0.3833	0.1000	0.0227	0.0250	-9.1	30.0
1,2-Dichloropropane	Ave	0.2550	0.2452	0.1000	0.0240	0.0250	-3.8	30.0
Dibromomethane	Ave	0.1559	0.1462		0.0234	0.0250	-6.2	30.0
1,4-Dioxane	Lin1		0.0057		0.530	0.500	5.9	50.0
Bromodichloromethane	Ave	0.3392	0.3193	0.1500	0.0235	0.0250	-5.9	30.0
2-Chloroethyl vinyl ether	Ave	0.1846	0.1822		0.0247	0.0250	-1.3	30.0
cis-1,3-Dichloropropene	Ave	0.3798	0.3620	0.1500	0.0238	0.0250	-4.7	50.0
4-Methyl-2-pentanone	Ave	0.3275	0.3209	0.0500	0.0490	0.0500	-2.0	50.0
Toluene	Ave	1.453	1.372	0.4000	0.0236	0.0250	-5.6	30.0
trans-1,3-Dichloropropene	Ave	0.4240	0.4319	0.1000	0.0255	0.0250	1.9	30.0
Ethyl methacrylate	Ave	0.4165	0.4478		0.0269	0.0250	7.5	30.0
1,1,2-Trichloroethane	Ave	0.3056	0.3048	0.1000	0.0249	0.0250	-0.3	30.0
Tetrachloroethene	Ave	0.3088	0.3064	0.1500	0.0248	0.0250	-0.8	30.0
1,3-Dichloropropane	Ave	0.5437	0.5342		0.0246	0.0250	-1.8	30.0
2-Hexanone	Ave	0.3385	0.3423	0.0500	0.0506	0.0500	1.1	50.0
Dibromochloromethane	Ave	0.2969	0.2956		0.0249	0.0250	-0.4	30.0
1,2-Dibromoethane	Ave	0.3178	0.3201		0.0252	0.0250	0.7	30.0
Chlorobenzene	Ave	0.8873	0.8622	0.3000	0.0243	0.0250	-2.8	30.0
Ethylbenzene	Ave	0.4892	0.4786		0.0245	0.0250	-2.2	30.0
1,1,1,2-Tetrachloroethane	Ave	0.2639	0.2676		0.0253	0.0250	1.4	30.0
m-Xylene & p-Xylene	Ave	0.6020	0.5822		0.0242	0.0250	-3.3	30.0
o-Xylene	Ave	0.5852	0.5802		0.0248	0.0250	-0.8	30.0
Styrene	Ave	0.9830	0.9718	0.3000	0.0247	0.0250	-1.1	30.0
Bromoform	Ave	0.1904	0.1938	0.1000	0.0255	0.0250	1.8	30.0
Isopropylbenzene	Ave	1.533	1.517	0.1000	0.0247	0.0250	-1.0	30.0
Bromobenzene	Ave	0.6663	0.6628		0.0249	0.0250	-0.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9613	0.9334	0.3000	0.0243	0.0250	-2.9	30.0
n-Propylbenzene	Ave	0.7996	0.8082		0.0253	0.0250	1.1	30.0
1,2,3-Trichloropropane	Ave	0.3079	0.3122		0.0253	0.0250	1.4	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2342	0.2533		0.0270	0.0250	8.2	30.0
2-Chlorotoluene	Ave	0.6772	0.6792		0.0251	0.0250	0.3	30.0
1,3,5-Trimethylbenzene	Ave	2.456	2.514		0.0256	0.0250	2.4	30.0
4-Chlorotoluene	Ave	0.6912	0.6957		0.0252	0.0250	0.7	30.0
tert-Butylbenzene	Ave	2.088	2.126		0.0255	0.0250	1.8	30.0
1,2,4-Trimethylbenzene	Ave	2.540	2.571		0.0253	0.0250	1.2	30.0
sec-Butylbenzene	Ave	3.175	3.225		0.0254	0.0250	1.6	30.0
1,3-Dichlorobenzene	Ave	1.312	1.310	0.6000	0.0250	0.0250	-0.1	30.0
p-Isopropyltoluene	Ave	2.611	2.716		0.0260	0.0250	4.0	30.0
1,4-Dichlorobenzene	Ave	1.336	1.338	0.5000	0.0251	0.0250	0.2	30.0
n-Butylbenzene	Ave	2.485	2.542		0.0256	0.0250	2.3	30.0
1,2-Dichlorobenzene	Ave	1.272	1.282	0.4000	0.0252	0.0250	0.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab Sample ID: ICV 240-524416/14 Calibration Date: 04/28/2022 20:14

Instrument ID: A3UX22 Calib Start Date: 04/28/2022 15:53

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/28/2022 19:03

Lab File ID: 225406.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	0.2424	0.2457	0.0500	0.0253	0.0250	1.3	50.0
1,2,4-Trichlorobenzene	Ave	0.7834	0.7984	0.2000	0.0255	0.0250	1.9	50.0
Hexachlorobutadiene	Ave	0.3098	0.3072		0.0248	0.0250	-0.9	50.0
Naphthalene	Ave	2.808	2.856		0.0254	0.0250	1.7	50.0
1,2,3-Trichlorobenzene	Ave	0.7596	0.7503		0.0247	0.0250	-1.2	30.0
Dibromofluoromethane (Surr)	Ave	0.2685	0.2730		0.0294	0.0289	1.7	30.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.3064		0.0288	0.0289	-0.2	30.0
Toluene-d8 (Surr)	Ave	1.330	1.399		0.0304	0.0289	5.2	30.0
4-Bromofluorobenzene (Surr)	Ave	0.5036	0.5164		0.0296	0.0289	2.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab Sample ID: CCVIS 240-540508/3 Calibration Date: 08/29/2022 11:30

Instrument ID: A3UX22 Calib Start Date: 04/28/2022 15:53

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/28/2022 19:03

Lab File ID: 227976.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	0.2760	0.2962	0.1000	0.0268	0.0250	7.3	20.0
Chloromethane	Ave	0.3111	0.2889	0.1000	0.0232	0.0250	-7.1	20.0
Vinyl chloride	Ave	0.3509	0.3143	0.1000	0.0224	0.0250	-10.4	20.0
Butadiene	Ave	0.3466	0.2783		0.0201	0.0250	-19.7	20.0
Bromomethane	Lin1		0.0837	0.0500	0.0144	0.0250	-42.2*	20.0
Chloroethane	Qua		0.1435	0.0500	0.0155	0.0250	-38.2*	20.0
Trichlorofluoromethane	Ave	0.4379	0.3651	0.1000	0.0208	0.0250	-16.6	20.0
Dichlorofluoromethane	Ave	0.5584	0.4368		0.0196	0.0250	-21.8*	20.0
Ethyl ether	Ave	0.2372	0.1965		0.0207	0.0250	-17.2	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.2330	0.2411	0.0500	0.0259	0.0250	3.5	20.0
1,1-Dichloroethene	Ave	0.2272	0.2238	0.1000	0.0246	0.0250	-1.5	20.0
Acrolein	Ave	0.0537	0.0319		0.0743	0.125	-40.5*	20.0
Acetone	Lin1		0.1327	0.0100	0.0506	0.0500	1.3	50.0
Iodomethane	Ave	0.2017	0.1416		0.0175	0.0250	-29.8*	20.0
Carbon disulfide	Ave	0.7226	0.7116	0.1000	0.0246	0.0250	-1.5	20.0
3-Chloro-1-propene	Ave	0.3537	0.3346		0.0236	0.0250	-5.4	20.0
Methyl acetate	Ave	0.2800	0.2777	0.1000	0.0496	0.0500	-0.8	50.0
Methylene Chloride	Ave	0.2714	0.2711	0.1000	0.0250	0.0250	-0.1	50.0
tert-Butyl alcohol	Ave	0.0455	0.0551		0.303	0.250	21.2*	20.0
Methyl tert-butyl ether	Ave	0.7279	0.7100	0.1000	0.0244	0.0250	-2.5	20.0
trans-1,2-Dichloroethene	Ave	0.2593	0.2618	0.1000	0.0252	0.0250	1.0	20.0
Acrylonitrile	Ave	0.1519	0.1563		0.257	0.250	2.9	20.0
Hexane	Ave	0.3325	0.3482		0.0262	0.0250	4.7	20.0
1,1-Dichloroethane	Ave	0.4686	0.4645	0.2000	0.0248	0.0250	-0.9	20.0
Vinyl acetate	Ave	0.3689	0.4444		0.0301	0.0250	20.5*	20.0
2,2-Dichloropropane	Ave	0.0644	0.0696		0.0270	0.0250	8.1	20.0
cis-1,2-Dichloroethene	Ave	0.2889	0.2821	0.1000	0.0244	0.0250	-2.4	20.0
2-Butanone	Ave	0.0512	0.0549	0.0100	0.0536	0.0500	7.2	50.0
Bromochloromethane	Ave	0.2162	0.2030		0.0235	0.0250	-6.1	20.0
Tetrahydrofuran	Ave	0.1309	0.1326		0.0506	0.0500	1.3	20.0
Chloroform	Ave	0.4748	0.4525	0.2000	0.0238	0.0250	-4.7	20.0
Cyclohexane	Ave	0.4000	0.3929	0.1000	0.0246	0.0250	-1.8	20.0
1,1,1-Trichloroethane	Ave	0.3821	0.3851	0.1000	0.0252	0.0250	0.8	20.0
Carbon tetrachloride	Ave	0.2864	0.3335	0.1000	0.0291	0.0250	16.4	20.0
1,1-Dichloropropene	Ave	0.3519	0.3733		0.0265	0.0250	6.1	20.0
Benzene	Ave	1.036	1.078	0.5000	0.0260	0.0250	4.0	20.0
Isobutyl alcohol	Qua		0.0155		0.799	0.625	27.8*	20.0
1,2-Dichloroethane	Ave	0.3644	0.3414	0.1000	0.0234	0.0250	-6.3	20.0
n-Heptane	Ave	0.0673	0.0607		0.0225	0.0250	-9.8	20.0
Trichloroethene	Ave	0.2548	0.2737	0.1500	0.0269	0.0250	7.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab Sample ID: CCVIS 240-540508/3 | Calibration Date: 08/29/2022 11:30

Instrument ID: A3UX22 | Calib Start Date: 04/28/2022 15:53

GC Column: DB-624 ID: 0.18(mm) | Calib End Date: 04/28/2022 19:03

Lab File ID: 227976.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	0.4217	0.4048	0.1000	0.0240	0.0250	-4.0	20.0
1,2-Dichloropropane	Ave	0.2550	0.2581	0.1000	0.0253	0.0250	1.2	20.0
Dibromomethane	Ave	0.1559	0.1723		0.0276	0.0250	10.5	20.0
1,4-Dioxane	Lin1		0.0068		0.631	0.500	26.2	50.0
Bromodichloromethane	Ave	0.3392	0.3281	0.1500	0.0242	0.0250	-3.3	20.0
2-Chloroethyl vinyl ether	Ave	0.1846	0.1949		0.0528	0.0500	5.6	20.0
cis-1,3-Dichloropropene	Ave	0.3798	0.3989	0.1500	0.0263	0.0250	5.0	50.0
4-Methyl-2-pentanone	Ave	0.3275	0.3458	0.0500	0.0528	0.0500	5.6	50.0
Toluene	Ave	1.453	1.500	0.4000	0.0258	0.0250	3.2	20.0
trans-1,3-Dichloropropene	Ave	0.4240	0.4701	0.1000	0.0277	0.0250	10.9	20.0
Ethyl methacrylate	Ave	0.4165	0.4473		0.0268	0.0250	7.4	20.0
1,1,2-Trichloroethane	Ave	0.3056	0.3205	0.1000	0.0262	0.0250	4.9	20.0
Tetrachloroethene	Ave	0.3088	0.3718	0.1500	0.0301	0.0250	20.4*	20.0
1,3-Dichloropropane	Ave	0.5437	0.5712		0.0263	0.0250	5.1	20.0
2-Hexanone	Ave	0.3385	0.3601	0.0500	0.0532	0.0500	6.4	50.0
Dibromochloromethane	Ave	0.2969	0.3327		0.0280	0.0250	12.1	20.0
1,2-Dibromoethane	Ave	0.3178	0.3366		0.0265	0.0250	5.9	20.0
Chlorobenzene	Ave	0.8873	0.9439	0.3000	0.0266	0.0250	6.4	20.0
Ethylbenzene	Ave	0.4892	0.4989		0.0255	0.0250	2.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2639	0.3231		0.0306	0.0250	22.4*	20.0
m-Xylene & p-Xylene	Ave	0.6020	0.6167		0.0256	0.0250	2.4	20.0
o-Xylene	Ave	0.5852	0.5997		0.0256	0.0250	2.5	20.0
Styrene	Ave	0.9830	1.053	0.3000	0.0268	0.0250	7.2	20.0
Bromoform	Ave	0.1904	0.2631	0.1000	0.0346	0.0250	38.2*	20.0
Isopropylbenzene	Ave	1.533	1.590	0.1000	0.0259	0.0250	3.7	20.0
Bromobenzene	Ave	0.6663	0.7492		0.0281	0.0250	12.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9613	1.030	0.3000	0.0268	0.0250	7.1	20.0
n-Propylbenzene	Ave	0.7996	0.8141		0.0255	0.0250	1.8	20.0
1,2,3-Trichloropropane	Ave	0.3079	0.3240		0.0263	0.0250	5.2	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2342	0.2916		0.0311	0.0250	24.5*	20.0
2-Chlorotoluene	Ave	0.6772	0.7326		0.0270	0.0250	8.2	20.0
1,3,5-Trimethylbenzene	Ave	2.456	2.475		0.0252	0.0250	0.7	20.0
4-Chlorotoluene	Ave	0.6912	0.7584		0.0274	0.0250	9.7	20.0
tert-Butylbenzene	Ave	2.088	2.080		0.0249	0.0250	-0.3	20.0
1,2,4-Trimethylbenzene	Ave	2.540	2.545		0.0250	0.0250	0.2	20.0
sec-Butylbenzene	Ave	3.175	3.040		0.0239	0.0250	-4.2	20.0
1,3-Dichlorobenzene	Ave	1.312	1.434	0.6000	0.0273	0.0250	9.3	20.0
p-Isopropyltoluene	Ave	2.611	2.606		0.0249	0.0250	-0.2	20.0
1,4-Dichlorobenzene	Ave	1.336	1.433	0.5000	0.0268	0.0250	7.2	20.0
n-Butylbenzene	Ave	2.485	2.338		0.0235	0.0250	-5.9	20.0
1,2-Dichlorobenzene	Ave	1.272	1.347	0.4000	0.0265	0.0250	5.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab Sample ID: CCVIS 240-540508/3 Calibration Date: 08/29/2022 11:30

Instrument ID: A3UX22 Calib Start Date: 04/28/2022 15:53

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/28/2022 19:03

Lab File ID: 227976.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	0.2424	0.2906	0.0500	0.0300	0.0250	19.9	50.0
1,2,4-Trichlorobenzene	Ave	0.7834	0.8080	0.2000	0.0258	0.0250	3.1	50.0
Hexachlorobutadiene	Ave	0.3098	0.3046		0.0246	0.0250	-1.7	50.0
Naphthalene	Ave	2.808	2.693		0.0240	0.0250	-4.1	50.0
1,2,3-Trichlorobenzene	Ave	0.7596	0.7681		0.0253	0.0250	1.1	20.0
Dibromofluoromethane (Surr)	Ave	0.2685	0.2804		0.0302	0.0289	4.4	20.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.2958		0.0278	0.0289	-3.7	20.0
Toluene-d8 (Surr)	Ave	1.330	1.448		0.0315	0.0289	8.9	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5036	0.5341		0.0307	0.0289	6.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab Sample ID: CCV 240-540508/4 Calibration Date: 08/29/2022 11:54

Instrument ID: A3UX22 Calib Start Date: 04/07/2022 21:40

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/08/2022 00:50

Lab File ID: 227977.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	0.0622	0.0609		0.245	0.250	-2.1	20.0
Diisopropyl ether	Ave	0.2011	0.2075		0.0258	0.0250	3.2	20.0
2-Chloro-1,3-butadiene	Ave	0.3881	0.3880		0.0250	0.0250	0.0	20.0
Ethyl-t-butyl ether (ETBE)	Ave	0.7036	0.6860		0.0244	0.0250	-2.5	20.0
Ethyl acetate	Ave	0.2958	0.3390		0.0573	0.0500	14.6	20.0
Propionitrile	Ave	0.0686	0.0714		0.260	0.250	4.1	20.0
Methacrylonitrile	Ave	0.1922	0.2195		0.286	0.250	14.2	20.0
Tert-amyl-methyl ether (TAME)	Ave	0.9565	0.8660		0.0226	0.0250	-9.5	20.0
n-Butanol	Ave	0.0137	0.0130		0.593	0.625	-5.1	20.0
Methyl methacrylate	Ave	0.2378	0.2634		0.0554	0.0500	10.8	20.0
2-Nitropropane	Ave	0.1057	0.0990		0.0468	0.0500	-6.4	20.0
n-Butyl acetate	Ave	0.5940	0.5307		0.0223	0.0250	-10.7	20.0
1-Chlorohexane	Ave	0.4836	0.4592		0.0237	0.0250	-5.0	20.0
Cyclohexanone	Ave	0.0292	0.0252		0.216	0.250	-13.7	20.0
Pentachloroethane	Ave	0.0584	0.2693		0.231	0.0500	361.2*	20.0
1,2,3-Trimethylbenzene	Ave	2.655	2.559		0.0241	0.0250	-3.6	20.0
Benzyl chloride	Ave	1.625	1.358		0.0209	0.0250	-16.4	20.0
1,3,5-Trichlorobenzene	Ave	0.8813	0.9382		0.0266	0.0250	6.5	20.0
2-Methylnaphthalene	Ave	1.278	0.9825		0.0385	0.0500	-23.1*	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab Sample ID: CCVIS 240-540740/3 Calibration Date: 08/30/2022 14:10

Instrument ID: A3UX22 Calib Start Date: 04/28/2022 15:53

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/28/2022 19:03

Lab File ID: 228006.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	0.2760	0.3118	0.1000	0.0282	0.0250	13.0	20.0
Chloromethane	Ave	0.3111	0.2831	0.1000	0.0227	0.0250	-9.0	20.0
Vinyl chloride	Ave	0.3509	0.3085	0.1000	0.0220	0.0250	-12.1	20.0
Butadiene	Ave	0.3466	0.2834		0.0204	0.0250	-18.2	20.0
Bromomethane	Lin1		0.1126	0.0500	0.0197	0.0250	-21.2*	20.0
Chloroethane	Qua		0.1639	0.0500	0.0181	0.0250	-27.6*	20.0
Trichlorofluoromethane	Ave	0.4379	0.3958	0.1000	0.0226	0.0250	-9.6	20.0
Dichlorofluoromethane	Ave	0.5584	0.4663		0.0209	0.0250	-16.5	20.0
Ethyl ether	Ave	0.2372	0.2208		0.0233	0.0250	-6.9	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.2330	0.2566	0.0500	0.0275	0.0250	10.1	20.0
1,1-Dichloroethene	Ave	0.2272	0.2411	0.1000	0.0265	0.0250	6.1	20.0
Acrolein	Ave	0.0537	0.0344		0.0800	0.125	-36.0*	20.0
Acetone	Lin1		0.1453	0.0100	0.0557	0.0500	11.3	50.0
Iodomethane	Ave	0.2017	0.1638		0.0203	0.0250	-18.8	20.0
Carbon disulfide	Ave	0.7226	0.7699	0.1000	0.0266	0.0250	6.5	20.0
3-Chloro-1-propene	Ave	0.3537	0.3328		0.0235	0.0250	-5.9	20.0
Methyl acetate	Ave	0.2800	0.2855	0.1000	0.0510	0.0500	2.0	50.0
Methylene Chloride	Ave	0.2714	0.2643	0.1000	0.0243	0.0250	-2.6	50.0
tert-Butyl alcohol	Ave	0.0455	0.0561		0.308	0.250	23.4*	20.0
Methyl tert-butyl ether	Ave	0.7279	0.6877	0.1000	0.0236	0.0250	-5.5	20.0
trans-1,2-Dichloroethene	Ave	0.2593	0.2573	0.1000	0.0248	0.0250	-0.8	20.0
Acrylonitrile	Ave	0.1519	0.1550		0.255	0.250	2.1	20.0
Hexane	Ave	0.3325	0.3314		0.0249	0.0250	-0.3	20.0
1,1-Dichloroethane	Ave	0.4686	0.4354	0.2000	0.0232	0.0250	-7.1	20.0
Vinyl acetate	Ave	0.3689	0.4625		0.0313	0.0250	25.4*	20.0
2,2-Dichloropropane	Ave	0.0644	0.0686		0.0266	0.0250	6.6	20.0
cis-1,2-Dichloroethene	Ave	0.2889	0.2756	0.1000	0.0238	0.0250	-4.6	20.0
2-Butanone	Ave	0.0512	0.0559	0.0100	0.0546	0.0500	9.3	50.0
Bromochloromethane	Ave	0.2162	0.1981		0.0229	0.0250	-8.4	20.0
Tetrahydrofuran	Ave	0.1309	0.1307		0.0499	0.0500	-0.2	20.0
Chloroform	Ave	0.4748	0.4571	0.2000	0.0241	0.0250	-3.7	20.0
Cyclohexane	Ave	0.4000	0.3855	0.1000	0.0241	0.0250	-3.6	20.0
1,1,1-Trichloroethane	Ave	0.3821	0.3986	0.1000	0.0261	0.0250	4.3	20.0
Carbon tetrachloride	Ave	0.2864	0.3426	0.1000	0.0299	0.0250	19.6	20.0
1,1-Dichloropropene	Ave	0.3519	0.3538		0.0251	0.0250	0.5	20.0
Benzene	Ave	1.036	1.035	0.5000	0.0250	0.0250	-0.1	20.0
Isobutyl alcohol	Qua		0.0173		0.866	0.625	38.6*	20.0
1,2-Dichloroethane	Ave	0.3644	0.3412	0.1000	0.0234	0.0250	-6.4	20.0
n-Heptane	Ave	0.0673	0.0606		0.0225	0.0250	-10.0	20.0
Trichloroethene	Ave	0.2548	0.2736	0.1500	0.0268	0.0250	7.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab Sample ID: CCVIS 240-540740/3 | Calibration Date: 08/30/2022 14:10

Instrument ID: A3UX22 | Calib Start Date: 04/28/2022 15:53

GC Column: DB-624 ID: 0.18(mm) | Calib End Date: 04/28/2022 19:03

Lab File ID: 228006.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	0.4217	0.4001	0.1000	0.0237	0.0250	-5.1	20.0
1,2-Dichloropropane	Ave	0.2550	0.2509	0.1000	0.0246	0.0250	-1.6	20.0
Dibromomethane	Ave	0.1559	0.1761		0.0282	0.0250	13.0	20.0
1,4-Dioxane	Lin1		0.0067		0.620	0.500	24.0	50.0
Bromodichloromethane	Ave	0.3392	0.3466	0.1500	0.0255	0.0250	2.2	20.0
2-Chloroethyl vinyl ether	Ave	0.1846	0.1882		0.0510	0.0500	1.9	20.0
cis-1,3-Dichloropropene	Ave	0.3798	0.3993	0.1500	0.0263	0.0250	5.1	50.0
4-Methyl-2-pentanone	Ave	0.3275	0.3582	0.0500	0.0547	0.0500	9.4	50.0
Toluene	Ave	1.453	1.389	0.4000	0.0239	0.0250	-4.4	20.0
trans-1,3-Dichloropropene	Ave	0.4240	0.4361	0.1000	0.0257	0.0250	2.9	20.0
Ethyl methacrylate	Ave	0.4165	0.4255		0.0255	0.0250	2.2	20.0
1,1,2-Trichloroethane	Ave	0.3056	0.3060	0.1000	0.0250	0.0250	0.1	20.0
Tetrachloroethene	Ave	0.3088	0.3446	0.1500	0.0279	0.0250	11.6	20.0
1,3-Dichloropropane	Ave	0.5437	0.5079		0.0234	0.0250	-6.6	20.0
2-Hexanone	Ave	0.3385	0.3489	0.0500	0.0515	0.0500	3.1	50.0
Dibromochloromethane	Ave	0.2969	0.3360		0.0283	0.0250	13.2	20.0
1,2-Dibromoethane	Ave	0.3178	0.3367		0.0265	0.0250	6.0	20.0
Chlorobenzene	Ave	0.8873	0.9280	0.3000	0.0261	0.0250	4.6	20.0
Ethylbenzene	Ave	0.4892	0.5114		0.0261	0.0250	4.5	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2639	0.3344		0.0317	0.0250	26.7*	20.0
m-Xylene & p-Xylene	Ave	0.6020	0.6165		0.0256	0.0250	2.4	20.0
o-Xylene	Ave	0.5852	0.5534		0.0236	0.0250	-5.4	20.0
Styrene	Ave	0.9830	0.9877	0.3000	0.0251	0.0250	0.5	20.0
Bromoform	Ave	0.1904	0.2531	0.1000	0.0332	0.0250	32.9*	20.0
Isopropylbenzene	Ave	1.533	1.467	0.1000	0.0239	0.0250	-4.3	20.0
Bromobenzene	Ave	0.6663	0.7011		0.0263	0.0250	5.2	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9613	0.9835	0.3000	0.0256	0.0250	2.3	20.0
n-Propylbenzene	Ave	0.7996	0.7884		0.0247	0.0250	-1.4	20.0
1,2,3-Trichloropropane	Ave	0.3079	0.3296		0.0268	0.0250	7.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2342	0.3019		0.0322	0.0250	28.9*	20.0
2-Chlorotoluene	Ave	0.6772	0.6834		0.0252	0.0250	0.9	20.0
1,3,5-Trimethylbenzene	Ave	2.456	2.384		0.0243	0.0250	-2.9	20.0
4-Chlorotoluene	Ave	0.6912	0.7110		0.0257	0.0250	2.9	20.0
tert-Butylbenzene	Ave	2.088	1.960		0.0235	0.0250	-6.1	20.0
1,2,4-Trimethylbenzene	Ave	2.540	2.424		0.0239	0.0250	-4.6	20.0
sec-Butylbenzene	Ave	3.175	2.936		0.0231	0.0250	-7.5	20.0
1,3-Dichlorobenzene	Ave	1.312	1.380	0.6000	0.0263	0.0250	5.2	20.0
p-Isopropyltoluene	Ave	2.611	2.526		0.0242	0.0250	-3.2	20.0
1,4-Dichlorobenzene	Ave	1.336	1.407	0.5000	0.0263	0.0250	5.3	20.0
n-Butylbenzene	Ave	2.485	2.206		0.0222	0.0250	-11.2	20.0
1,2-Dichlorobenzene	Ave	1.272	1.304	0.4000	0.0256	0.0250	2.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab Sample ID: CCVIS 240-540740/3 Calibration Date: 08/30/2022 14:10

Instrument ID: A3UX22 Calib Start Date: 04/28/2022 15:53

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/28/2022 19:03

Lab File ID: 228006.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	0.2424	0.2852	0.0500	0.0294	0.0250	17.6	50.0
1,2,4-Trichlorobenzene	Ave	0.7834	0.7405	0.2000	0.0236	0.0250	-5.5	50.0
Hexachlorobutadiene	Ave	0.3098	0.2732		0.0220	0.0250	-11.8	50.0
Naphthalene	Ave	2.808	2.630		0.0234	0.0250	-6.3	50.0
1,2,3-Trichlorobenzene	Ave	0.7596	0.7167		0.0236	0.0250	-5.6	20.0
Dibromofluoromethane (Surr)	Ave	0.2685	0.2913		0.0314	0.0289	8.5	20.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.3039		0.0286	0.0289	-1.1	20.0
Toluene-d8 (Surr)	Ave	1.330	1.387		0.0302	0.0289	4.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5036	0.5024		0.0288	0.0289	-0.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab Sample ID: CCV 240-540740/4 | Calibration Date: 08/30/2022 14:34

Instrument ID: A3UX22 | Calib Start Date: 04/07/2022 21:40

GC Column: DB-624 ID: 0.18(mm) | Calib End Date: 04/08/2022 00:50

Lab File ID: 228007.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	0.0622	0.0613		0.246	0.250	-1.4	20.0
Diisopropyl ether	Ave	0.2011	0.2052		0.0255	0.0250	2.1	20.0
2-Chloro-1,3-butadiene	Ave	0.3881	0.3685		0.0237	0.0250	-5.0	20.0
Ethyl-t-butyl ether (ETBE)	Ave	0.7036	0.6442		0.0229	0.0250	-8.4	20.0
Ethyl acetate	Ave	0.2958	0.3537		0.0598	0.0500	19.6	20.0
Propionitrile	Ave	0.0686	0.0700		0.255	0.250	2.1	20.0
Methacrylonitrile	Ave	0.1922	0.2267		0.295	0.250	18.0	20.0
Tert-amyl-methyl ether (TAME)	Ave	0.9565	0.8601		0.0225	0.0250	-10.1	20.0
n-Butanol	Ave	0.0137	0.0145		0.658	0.625	5.2	20.0
Methyl methacrylate	Ave	0.2378	0.2730		0.0574	0.0500	14.8	20.0
2-Nitropropane	Ave	0.1057	0.1101		0.0521	0.0500	4.1	20.0
n-Butyl acetate	Ave	0.5940	0.5537		0.0233	0.0250	-6.8	20.0
1-Chlorohexane	Ave	0.4836	0.4467		0.0231	0.0250	-7.6	20.0
Cyclohexanone	Ave	0.0292	0.0276		0.236	0.250	-5.5	20.0
Pentachloroethane	Ave	0.0584	0.2785		0.238	0.0500	376.9*	20.0
1,2,3-Trimethylbenzene	Ave	2.655	2.584		0.0243	0.0250	-2.7	20.0
Benzyl chloride	Ave	1.625	1.521		0.0234	0.0250	-6.4	20.0
1,3,5-Trichlorobenzene	Ave	0.8813	0.8484		0.0241	0.0250	-3.7	20.0
2-Methylnaphthalene	Ave	1.278	0.9196		0.0360	0.0500	-28.0*	20.0

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 Start Date: 04/07/2022 15:03

Analysis Batch Number: 522080 End Date: 04/08/2022 02:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-522080/1		04/07/2022 15:03	1	BFB22244.D	DB-624 0.18(mm)
IC 240-522080/3		04/07/2022 15:46	1	225035.D	DB-624 0.18(mm)
IC 240-522080/4		04/07/2022 16:09	1	225036.D	DB-624 0.18(mm)
IC 240-522080/5		04/07/2022 16:33	1	225037.D	DB-624 0.18(mm)
IC 240-522080/6		04/07/2022 16:56	1	225038.D	DB-624 0.18(mm)
IC 240-522080/7		04/07/2022 17:20	1	225039.D	DB-624 0.18(mm)
ICIS 240-522080/8		04/07/2022 17:44	1	225040.D	DB-624 0.18(mm)
IC 240-522080/9		04/07/2022 18:07	1	225041.D	DB-624 0.18(mm)
IC 240-522080/10		04/07/2022 18:31	1	225042.D	DB-624 0.18(mm)
IC 240-522080/11		04/07/2022 18:55	1	225043.D	DB-624 0.18(mm)
ICV 240-522080/13		04/07/2022 19:42	1		DB-624 0.18(mm)
ZZZZZ		04/07/2022 20:06	1		DB-624 0.18(mm)
ZZZZZ		04/07/2022 20:29	1		DB-624 0.18(mm)
ZZZZZ		04/07/2022 20:53	1		DB-624 0.18(mm)
ZZZZZ		04/07/2022 21:17	1		DB-624 0.18(mm)
IC 240-522080/18		04/07/2022 21:40	1	225050.D	DB-624 0.18(mm)
IC 240-522080/19		04/07/2022 22:04	1	225051.D	DB-624 0.18(mm)
IC 240-522080/20		04/07/2022 22:28	1	225052.D	DB-624 0.18(mm)
IC 240-522080/21		04/07/2022 22:52	1	225053.D	DB-624 0.18(mm)
IC 240-522080/22		04/07/2022 23:15	1	225054.D	DB-624 0.18(mm)
IC 240-522080/23		04/07/2022 23:39	1	225055.D	DB-624 0.18(mm)
IC 240-522080/24		04/08/2022 00:02	1	225056.D	DB-624 0.18(mm)
IC 240-522080/25		04/08/2022 00:26	1	225057.D	DB-624 0.18(mm)
IC 240-522080/26		04/08/2022 00:50	1	225058.D	DB-624 0.18(mm)
ICV 240-522080/28		04/08/2022 01:37	1	225060.D	DB-624 0.18(mm)
ZZZZZ		04/08/2022 02:01	1		DB-624 0.18(mm)
ZZZZZ		04/08/2022 02:24	1		DB-624 0.18(mm)
ZZZZZ		04/08/2022 02:48	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 Start Date: 04/28/2022 15:10

Analysis Batch Number: 524416 End Date: 04/28/2022 22:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-524416/1		04/28/2022 15:10	1	BFB22256.D	DB-624 0.18(mm)
IC 240-524416/3		04/28/2022 15:53	1	225395.D	DB-624 0.18(mm)
IC 240-524416/4		04/28/2022 16:16	1	225396.D	DB-624 0.18(mm)
IC 240-524416/5		04/28/2022 16:40	1	225397.D	DB-624 0.18(mm)
IC 240-524416/6		04/28/2022 17:04	1	225398.D	DB-624 0.18(mm)
IC 240-524416/7		04/28/2022 17:27	1	225399.D	DB-624 0.18(mm)
ICIS 240-524416/8		04/28/2022 17:51	1	225400.D	DB-624 0.18(mm)
IC 240-524416/9		04/28/2022 18:15	1	225401.D	DB-624 0.18(mm)
IC 240-524416/10		04/28/2022 18:39	1	225402.D	DB-624 0.18(mm)
IC 240-524416/11		04/28/2022 19:03	1	225403.D	DB-624 0.18(mm)
CCV 240-524416/13		04/28/2022 19:50	1		DB-624 0.18(mm)
ICV 240-524416/14		04/28/2022 20:14	1	225406.D	DB-624 0.18(mm)
ZZZZZ		04/28/2022 20:37	1		DB-624 0.18(mm)
ZZZZZ		04/28/2022 21:01	1		DB-624 0.18(mm)
ZZZZZ		04/28/2022 21:25	1		DB-624 0.18(mm)
ZZZZZ		04/28/2022 21:49	1		DB-624 0.18(mm)
ZZZZZ		04/28/2022 22:13	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 Start Date: 08/29/2022 10:47

Analysis Batch Number: 540508 End Date: 08/29/2022 22:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-540508/1		08/29/2022 10:47	1	BFB22344.D	DB-624 0.18(mm)
CCVIS 240-540508/3		08/29/2022 11:30	1	227976.D	DB-624 0.18(mm)
CCV 240-540508/4		08/29/2022 11:54	1	227977.D	DB-624 0.18(mm)
LCS 240-540508/5		08/29/2022 12:18	1	227978.D	DB-624 0.18(mm)
LCS 240-540508/6		08/29/2022 12:41	1	227979.D	DB-624 0.18(mm)
ZZZZZ		08/29/2022 13:05	1		DB-624 0.18(mm)
MB 240-540508/8		08/29/2022 13:29	1	227981.D	DB-624 0.18(mm)
240-171981-1	MSA-SW37A-082222	08/29/2022 13:53	1	227982.D	DB-624 0.18(mm)
240-171981-2	MSA-SW37B-082222	08/29/2022 14:17	1	227983.D	DB-624 0.18(mm)
240-171981-3	MSA-SW37C-082222	08/29/2022 14:40	1	227984.D	DB-624 0.18(mm)
240-171981-4	MSA-SW37D-082222	08/29/2022 15:04	1	227985.D	DB-624 0.18(mm)
240-171981-5	MSA-SW38A-082222	08/29/2022 15:27	1	227986.D	DB-624 0.18(mm)
240-171981-6	MSA-SW38B-082222	08/29/2022 15:51	1	227987.D	DB-624 0.18(mm)
240-171981-7	MSA-SW38C-082222	08/29/2022 16:15	1	227988.D	DB-624 0.18(mm)
240-171981-8	MSA-SW38D-082222	08/29/2022 16:38	1	227989.D	DB-624 0.18(mm)
240-171981-9	MSA-SW40A-082222	08/29/2022 17:02	1	227990.D	DB-624 0.18(mm)
240-171981-10	MSA-SW40B-082222	08/29/2022 17:26	1	227991.D	DB-624 0.18(mm)
240-171981-11	MSA-SW40C-082222	08/29/2022 17:49	1	227992.D	DB-624 0.18(mm)
240-171981-12	MSA-SW40D-082222	08/29/2022 18:13	1	227993.D	DB-624 0.18(mm)
240-171981-13	MSA-SW41A-082222	08/29/2022 18:37	1	227994.D	DB-624 0.18(mm)
240-171981-14	MSA-SW41B-082222	08/29/2022 19:01	1	227995.D	DB-624 0.18(mm)
240-171981-15	MSA-SW41C-082222	08/29/2022 19:24	1	227996.D	DB-624 0.18(mm)
240-171981-16	MSA-SW41D-082222	08/29/2022 19:48	1	227997.D	DB-624 0.18(mm)
240-171981-17	MSA-SW42A-082222	08/29/2022 20:11	1	227998.D	DB-624 0.18(mm)
240-171981-18	MSA-SW42B-082222	08/29/2022 20:35	1	227999.D	DB-624 0.18(mm)
240-171981-19	MSA-SW42C-082222	08/29/2022 20:59	1	228000.D	DB-624 0.18(mm)
ZZZZZ		08/29/2022 21:22	5		DB-624 0.18(mm)
ZZZZZ		08/29/2022 21:46	5		DB-624 0.18(mm)
ZZZZZ		08/29/2022 22:10	5		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 Start Date: 08/30/2022 13:27

Analysis Batch Number: 540740 End Date: 08/31/2022 00:51

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-540740/10		08/30/2022 13:27	1	BFB22346.D	DB-624 0.18(mm)
CCVIS 240-540740/3		08/30/2022 14:10	1	228006.D	DB-624 0.18(mm)
CCV 240-540740/4		08/30/2022 14:34	1	228007.D	DB-624 0.18(mm)
LCS 240-540740/5		08/30/2022 14:58	1	228008.D	DB-624 0.18(mm)
LCS 240-540740/6		08/30/2022 15:21	1	228009.D	DB-624 0.18(mm)
ZZZZZ		08/30/2022 15:45	1		DB-624 0.18(mm)
MB 240-540740/8		08/30/2022 16:09	1	228011.D	DB-624 0.18(mm)
ZZZZZ		08/30/2022 16:33	1		DB-624 0.18(mm)
240-171981-25	TB-082222	08/30/2022 16:57	1	228013.D	DB-624 0.18(mm)
240-171981-30	MSA-SWEQB-082222	08/30/2022 17:20	1	228014.D	DB-624 0.18(mm)
240-171981-20	MSA-SW42D-082222	08/30/2022 17:44	1	228015.D	DB-624 0.18(mm)
240-171981-21	MSA-SW43A-082222	08/30/2022 18:08	1	228016.D	DB-624 0.18(mm)
240-171981-22	MSA-SW43B-082222	08/30/2022 18:31	1	228017.D	DB-624 0.18(mm)
240-171981-23	MSA-SW43C-082222	08/30/2022 18:55	1	228018.D	DB-624 0.18(mm)
240-171981-24	MSA-SW43D-082222	08/30/2022 19:18	1	228019.D	DB-624 0.18(mm)
240-171981-26	MSA-SW46A-082222	08/30/2022 19:42	1	228020.D	DB-624 0.18(mm)
240-171981-27	MSA-SW47A-082222	08/30/2022 20:06	1	228021.D	DB-624 0.18(mm)
240-171981-28	MSA-SW48A-082222	08/30/2022 20:29	1	228022.D	DB-624 0.18(mm)
240-171981-29	MSA-SW49A-082222	08/30/2022 20:53	1	228023.D	DB-624 0.18(mm)
ZZZZZ		08/30/2022 21:17	1		DB-624 0.18(mm)
ZZZZZ		08/30/2022 21:41	1		DB-624 0.18(mm)
ZZZZZ		08/30/2022 22:04	1		DB-624 0.18(mm)
ZZZZZ		08/30/2022 22:28	1		DB-624 0.18(mm)
ZZZZZ		08/30/2022 22:52	50		DB-624 0.18(mm)
ZZZZZ		08/30/2022 23:16	50		DB-624 0.18(mm)
ZZZZZ		08/30/2022 23:40	50		DB-624 0.18(mm)
ZZZZZ		08/31/2022 00:03	400		DB-624 0.18(mm)
ZZZZZ		08/31/2022 00:27	400		DB-624 0.18(mm)
ZZZZZ		08/31/2022 00:51	400		DB-624 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Batch Number: 522080 Batch Start Date: 04/07/22 15:03 Batch Analyst: Macenczak, Steven

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	vm25UX18IS 00004	vm25UX18SS 00005	vm50ss 00470	VMAROLISTDW 00432
BFB 240-522080/1		8260C		5 mL	5 mL				
IC 240-522080/3		8260C		5 mL	5 mL	5.78 uL		0.4 uL	0.4 uL
IC 240-522080/4		8260C		5 mL	5 mL	5.78 uL		0.8 uL	0.8 uL
IC 240-522080/5		8260C		5 mL	5 mL	5.78 uL		2 uL	2 uL
IC 240-522080/6		8260C		5 mL	5 mL	5.78 uL	1.156 uL		5 uL
IC 240-522080/7		8260C		5 mL	5 mL	5.78 uL	2.224 uL		10 uL
ICIS 240-522080/8		8260C		5 mL	5 mL	5.78 uL	5.78 uL		20 uL
IC 240-522080/9		8260C		5 mL	5 mL	5.78 uL	9.248 uL		30 uL
IC 240-522080/10		8260C		5 mL	5 mL	5.78 uL	11.56 uL		40 uL
IC 240-522080/11		8260C		5 mL	5 mL	5.78 uL	15.028 uL		50 uL
IC 240-522080/18		8260C		5 mL	5 mL	5.78 uL			
IC 240-522080/19		8260C		5 mL	5 mL	5.78 uL			
IC 240-522080/20		8260C		5 mL	5 mL	5.78 uL			
IC 240-522080/21		8260C		5 mL	5 mL	5.78 uL			
IC 240-522080/22		8260C		5 mL	5 mL	5.78 uL			
IC 240-522080/23		8260C		5 mL	5 mL	5.78 uL			
IC 240-522080/24		8260C		5 mL	5 mL	5.78 uL			
IC 240-522080/25		8260C		5 mL	5 mL	5.78 uL			
IC 240-522080/26		8260C		5 mL	5 mL	5.78 uL			
ICV 240-522080/28		8260C		5 mL	5 mL	5.78 uL	5.78 uL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00028	VMFASA9W 00354	VMRA9W 00430	VMRGAS 00421	VMRPRIMW 00476	
BFB 240-522080/1		8260C		1 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Batch Number: 522080 Batch Start Date: 04/07/22 15:03 Batch Analyst: Macenczak, Steven

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00028	VMFASA9W 00354	VMRA9W 00430	VMRGAS 00421	VMRPRIMW 00476	
IC 240-522080/3		8260C					0.4 uL	0.4 uL	
IC 240-522080/4		8260C					0.8 uL	0.8 uL	
IC 240-522080/5		8260C					2 uL	2 uL	
IC 240-522080/6		8260C					5 uL	5 uL	
IC 240-522080/7		8260C					10 uL	10 uL	
ICIS 240-522080/8		8260C					20 uL	20 uL	
IC 240-522080/9		8260C					30 uL	30 uL	
IC 240-522080/10		8260C					40 uL	40 uL	
IC 240-522080/11		8260C					50 uL	50 uL	
IC 240-522080/18		8260C				0.4 uL			
IC 240-522080/19		8260C				0.8 uL			
IC 240-522080/20		8260C				2 uL			
IC 240-522080/21		8260C				5 uL			
IC 240-522080/22		8260C				10 uL			
IC 240-522080/23		8260C				20 uL			
IC 240-522080/24		8260C				30 uL			
IC 240-522080/25		8260C				40 uL			
IC 240-522080/26		8260C				50 uL			
ICV 240-522080/28		8260C			20 uL				

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Batch Number: 522080 Batch Start Date: 04/07/22 15:03 Batch Analyst: Macenczak, Steven

Batch Method: 8260C Batch End Date:

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 Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Batch Number: 524416 Batch Start Date: 04/28/22 15:10 Batch Analyst: Macenczak, Steven

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	vm25UX18IS 00004	vm25UX18SS 00005	vm50ss 00472	VMAROLISTDW 00435
BFB 240-524416/1		8260C		5 mL	5 mL				
IC 240-524416/3		8260C		5 mL	5 mL	5.78 uL		0.4 uL	0.4 uL
IC 240-524416/4		8260C		5 mL	5 mL	5.78 uL		0.8 uL	0.8 uL
IC 240-524416/5		8260C		5 mL	5 mL	5.78 uL		2 uL	2 uL
IC 240-524416/6		8260C		5 mL	5 mL	5.78 uL	1.156 uL		5 uL
IC 240-524416/7		8260C		5 mL	5 mL	5.78 uL	2.224 uL		10 uL
ICIS 240-524416/8		8260C		5 mL	5 mL	5.78 uL	5.78 uL		20 uL
IC 240-524416/9		8260C		5 mL	5 mL	5.78 uL	9.248 uL		30 uL
IC 240-524416/10		8260C		5 mL	5 mL	5.78 uL	11.56 uL		40 uL
IC 240-524416/11		8260C		5 mL	5 mL	5.78 uL	15.028 uL		50 uL
ICV 240-524416/14		8260C		5 mL	5 mL	5.78 uL	5.78 uL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00028	VMFASAW 00415	VMFASGW 00452	VMFASPW 00441	VMRGAS 00424	VMRPRIMW 00479
BFB 240-524416/1		8260C		1 uL					
IC 240-524416/3		8260C						0.4 uL	0.4 uL
IC 240-524416/4		8260C						0.8 uL	0.8 uL
IC 240-524416/5		8260C						2 uL	2 uL
IC 240-524416/6		8260C						5 uL	5 uL
IC 240-524416/7		8260C						10 uL	10 uL
ICIS 240-524416/8		8260C						20 uL	20 uL
IC 240-524416/9		8260C						30 uL	30 uL
IC 240-524416/10		8260C						40 uL	40 uL
IC 240-524416/11		8260C						50 uL	50 uL
ICV 240-524416/14		8260C			20 uL	20 uL	20 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 Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Batch Number: 524416 Batch Start Date: 04/28/22 15:10 Batch Analyst: Macenczak, Steven

Batch Method: 8260C Batch End Date:

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Batch Number: 540508 Batch Start Date: 08/29/22 10:47 Batch Analyst: Macenczak, Steven

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	vm25UX18IS 00005	vm25UX18SS 00006	VMAROLISTDW 00451
BFB 240-540508/1		8260C		5 mL	5 mL				
CCVIS 240-540508/3		8260C		5 mL	5 mL		5.78 uL	5.78 uL	20 uL
CCV 240-540508/4		8260C		5 mL	5 mL		5.78 uL		
LCS 240-540508/5		8260C		5 mL	5 mL		5.78 uL	5.78 uL	
LCS 240-540508/6		8260C		5 mL	5 mL		5.78 uL	5.78 uL	
MB 240-540508/8		8260C		5 mL	5 mL		5.78 uL	5.78 uL	
240-171981-B-1	MSA-SW37A-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-2	MSA-SW37B-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-3	MSA-SW37C-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-4	MSA-SW37D-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-5	MSA-SW38A-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-6	MSA-SW38B-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-7	MSA-SW38C-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-C-8	MSA-SW38D-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-9	MSA-SW40A-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-10	MSA-SW40B-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-11	MSA-SW40C-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-12	MSA-SW40D-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-13	MSA-SW41A-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-14	MSA-SW41B-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-15	MSA-SW41C-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-16	MSA-SW41D-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-17	MSA-SW42A-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-18	MSA-SW42B-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-19	MSA-SW42C-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00030	VMFASA9W 00371	VMFASAW 00431	VMFASGW 00469	VMFASPW 00456	VMRA9W 00448

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 Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Batch Number: 540508 Batch Start Date: 08/29/22 10:47 Batch Analyst: Macenczak, Steven

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00030	VMFASA9W 00371	VMFASAW 00431	VMFASGW 00469	VMFASPW 00456	VMRA9W 00448
BFB 240-540508/1		8260C		1 uL					
CCVIS 240-540508/3		8260C							
CCV 240-540508/4		8260C							20 uL
LCS 240-540508/5		8260C				20 uL	20 uL	20 uL	
LCS 240-540508/6		8260C			20 uL				
MB 240-540508/8		8260C							
240-171981-B-1	MSA-SW37A-082222	8260C	T						
240-171981-B-2	MSA-SW37B-082222	8260C	T						
240-171981-B-3	MSA-SW37C-082222	8260C	T						
240-171981-B-4	MSA-SW37D-082222	8260C	T						
240-171981-B-5	MSA-SW38A-082222	8260C	T						
240-171981-B-6	MSA-SW38B-082222	8260C	T						
240-171981-B-7	MSA-SW38C-082222	8260C	T						
240-171981-C-8	MSA-SW38D-082222	8260C	T						
240-171981-B-9	MSA-SW40A-082222	8260C	T						
240-171981-B-10	MSA-SW40B-082222	8260C	T						
240-171981-B-11	MSA-SW40C-082222	8260C	T						
240-171981-B-12	MSA-SW40D-082222	8260C	T						
240-171981-B-13	MSA-SW41A-082222	8260C	T						
240-171981-B-14	MSA-SW41B-082222	8260C	T						
240-171981-B-15	MSA-SW41C-082222	8260C	T						
240-171981-B-16	MSA-SW41D-082222	8260C	T						
240-171981-B-17	MSA-SW42A-082222	8260C	T						
240-171981-B-18	MSA-SW42B-082222	8260C	T						
240-171981-B-19	MSA-SW42C-082222	8260C	T						

Lab Sample ID	Client Sample ID	Method Chain	Basis	VMRGAS 00439	VMRPRIMW 00495				
BFB 240-540508/1		8260C							

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Batch Number: 540508 Batch Start Date: 08/29/22 10:47 Batch Analyst: Macenczak, Steven

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	VMRGAS 00439	VMRPRIMW 00495				
CCVIS 240-540508/3		8260C		20 uL	20 uL				
CCV 240-540508/4		8260C							
LCS 240-540508/5		8260C							
LCS 240-540508/6		8260C							
MB 240-540508/8		8260C							
240-171981-B-1	MSA-SW37A-082222	8260C	T						
240-171981-B-2	MSA-SW37B-082222	8260C	T						
240-171981-B-3	MSA-SW37C-082222	8260C	T						
240-171981-B-4	MSA-SW37D-082222	8260C	T						
240-171981-B-5	MSA-SW38A-082222	8260C	T						
240-171981-B-6	MSA-SW38B-082222	8260C	T						
240-171981-B-7	MSA-SW38C-082222	8260C	T						
240-171981-C-8	MSA-SW38D-082222	8260C	T						
240-171981-B-9	MSA-SW40A-082222	8260C	T						
240-171981-B-10	MSA-SW40B-082222	8260C	T						
240-171981-B-11	MSA-SW40C-082222	8260C	T						
240-171981-B-12	MSA-SW40D-082222	8260C	T						
240-171981-B-13	MSA-SW41A-082222	8260C	T						
240-171981-B-14	MSA-SW41B-082222	8260C	T						
240-171981-B-15	MSA-SW41C-082222	8260C	T						
240-171981-B-16	MSA-SW41D-082222	8260C	T						
240-171981-B-17	MSA-SW42A-082222	8260C	T						
240-171981-B-18	MSA-SW42B-082222	8260C	T						
240-171981-B-19	MSA-SW42C-082222	8260C	T						

Batch Notes	
pH Indicator ID	HC281827

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 Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Batch Number: 540508 Batch Start Date: 08/29/22 10:47 Batch Analyst: Macenczak, Steven

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 Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Batch Number: 540740 Batch Start Date: 08/30/22 13:27 Batch Analyst: Macenczak, Steven

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	vm25UX18IS 00005	vm25UX18SS 00006	VMAROLISTDW 00452
CCVIS 240-540740/3		8260C		5 mL	5 mL		5.78 uL	5.78 uL	20 uL
CCV 240-540740/4		8260C		5 mL	5 mL		5.78 uL		
LCS 240-540740/5		8260C		5 mL	5 mL		5.78 uL	5.78 uL	
LCS 240-540740/6		8260C		5 mL	5 mL		5.78 uL	5.78 uL	
MB 240-540740/8		8260C		5 mL	5 mL		5.78 uL	5.78 uL	
BFB 240-540740/10		8260C		5 mL	5 mL				
240-171981-A-25	TB-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-30	MSA-SWEQB-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-20	MSA-SW42D-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-21	MSA-SW43A-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-22	MSA-SW43B-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-C-23	MSA-SW43C-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-C-24	MSA-SW43D-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-26	MSA-SW46A-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-27	MSA-SW47A-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-28	MSA-SW48A-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-29	MSA-SW49A-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00030	VMFASA9W 00371	VMFASAW 00431	VMFASGW 00470	VMFASPW 00457	VMRA9W 00448
CCVIS 240-540740/3		8260C							
CCV 240-540740/4		8260C							20 uL
LCS 240-540740/5		8260C				20 uL	20 uL	20 uL	
LCS 240-540740/6		8260C			20 uL				
MB 240-540740/8		8260C							
BFB 240-540740/10		8260C		1 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Batch Number: 540740 Batch Start Date: 08/30/22 13:27 Batch Analyst: Macenczak, Steven

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00030	VMFASA9W 00371	VMFASAW 00431	VMFASGW 00470	VMFASPW 00457	VMRA9W 00448
240-171981-A-25	TB-082222	8260C	T						
240-171981-B-30	MSA-SWEQB-082222	8260C	T						
240-171981-B-20	MSA-SW42D-082222	8260C	T						
240-171981-B-21	MSA-SW43A-082222	8260C	T						
240-171981-B-22	MSA-SW43B-082222	8260C	T						
240-171981-C-23	MSA-SW43C-082222	8260C	T						
240-171981-C-24	MSA-SW43D-082222	8260C	T						
240-171981-B-26	MSA-SW46A-082222	8260C	T						
240-171981-B-27	MSA-SW47A-082222	8260C	T						
240-171981-B-28	MSA-SW48A-082222	8260C	T						
240-171981-B-29	MSA-SW49A-082222	8260C	T						

Lab Sample ID	Client Sample ID	Method Chain	Basis	VMRGAS 00439	VMRPRIMW 00495				
CCVIS 240-540740/3		8260C		20 uL	20 uL				
CCV 240-540740/4		8260C							
LCS 240-540740/5		8260C							
LCS 240-540740/6		8260C							
MB 240-540740/8		8260C							
BFB 240-540740/10		8260C							
240-171981-A-25	TB-082222	8260C	T						
240-171981-B-30	MSA-SWEQB-082222	8260C	T						
240-171981-B-20	MSA-SW42D-082222	8260C	T						
240-171981-B-21	MSA-SW43A-082222	8260C	T						
240-171981-B-22	MSA-SW43B-082222	8260C	T						
240-171981-C-23	MSA-SW43C-082222	8260C	T						
240-171981-C-24	MSA-SW43D-082222	8260C	T						
240-171981-B-26	MSA-SW46A-082222	8260C	T						
240-171981-B-27	MSA-SW47A-082222	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 Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Batch Number: 540740 Batch Start Date: 08/30/22 13:27 Batch Analyst: Macenczak, Steven

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	VMRGAS 00439	VMRPRIMW 00495				
240-171981-B-28	MSA-SW48A-082222	8260C	T						
240-171981-B-29	MSA-SW49A-082222	8260C	T						

Batch Notes	
pH Indicator ID	HC178690

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.

VOC CALCULATION	SAMPLE		
	LCS		
TARGET ANALYTE	Benzene		
ANALYTE RESPONSE	985970		
INTERNAL STANDARD	Fluorobenzene		
I.S. RESPONSE	1131958		
I.S. CONCENTRATION	28.9	µg/l	
ANALYTE CAL. RF	1.036		
DILUTION FACTOR (DF)	1		
INITIAL SAMPLE VOLUME - V1	5	ml	
FINAL SAMPLE VOLUME - V2	5	ml	

$$\frac{\text{(ANALYTE RESPONSE) x (I.S. CONCENTRATION) X DF x V2}}{\text{(I.S. RESPONSE) x (CAL. R.F.) x V1}} = \mathbf{24.30}\ \mu g/l$$

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: | Lab Sample ID: LCS 240-540508/5

Matrix: Water | Lab File ID: 227978.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 12:18

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	47.6		10	5.4
71-43-2	Benzene	24.3		1.0	0.42
108-86-1	Bromobenzene	27.5		1.0	0.50
74-97-5	Bromochloromethane	21.5		1.0	0.54
75-27-4	Bromodichloromethane	23.7		1.0	0.17
75-25-2	Bromoform	31.6		1.0	0.76
74-83-9	Bromomethane	13.6		1.0	0.42
78-93-3	2-Butanone	51.3		10	1.2
75-15-0	Carbon disulfide	22.8		1.0	0.59
56-23-5	Carbon tetrachloride	27.1		1.0	0.26
108-90-7	Chlorobenzene	25.3		1.0	0.38
75-00-3	Chloroethane	13.0		1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	24.3		10	1.5
67-66-3	Chloroform	22.6		1.0	0.47
74-87-3	Chloromethane	20.1		1.0	0.63
95-49-8	2-Chlorotoluene	25.8		1.0	0.57
106-43-4	4-Chlorotoluene	26.7		1.0	0.43
156-59-2	cis-1,2-Dichloroethene	23.2		1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	24.7		1.0	0.61
124-48-1	Dibromochloromethane	27.2		1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	27.6		2.0	0.91
106-93-4	1,2-Dibromoethane	25.6		1.0	0.41
74-95-3	Dibromomethane	27.3		1.0	0.40
95-50-1	1,2-Dichlorobenzene	25.9		1.0	0.48
541-73-1	1,3-Dichlorobenzene	26.1		1.0	0.45
106-46-7	1,4-Dichlorobenzene	26.1		1.0	0.41
75-71-8	Dichlorodifluoromethane	18.9		1.0	0.35
75-34-3	1,1-Dichloroethane	22.9		1.0	0.47
107-06-2	1,2-Dichloroethane	22.0		1.0	0.21
75-35-4	1,1-Dichloroethene	24.3		1.0	0.49
78-87-5	1,2-Dichloropropane	24.1		1.0	0.47
142-28-9	1,3-Dichloropropane	24.9		1.0	0.21
594-20-7	2,2-Dichloropropane	24.2		1.0	0.78
563-58-6	1,1-Dichloropropene	24.7		1.0	0.36

Eurofins Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20220829-121648.b\227978.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 29-Aug-2022 12:18:00 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0121648-005
Operator ID: 002808 Instrument ID: A3UX22

Method: \\chromfs\Canton\ChromData\A3UX22\20220829-121648.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 30-Aug-2022 10:04:36 Calib Date: 28-Apr-2022 19:03:07
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20220428-118083.b\225403.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1619

First Level Reviewer: SE1B Date: 29-Aug-2022 12:48:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.955	6.955	0.000	99	1131958	28.9	28.9	
* 2 Chlorobenzene-d5	117	10.168	10.168	0.000	87	849189	28.9	28.9	
* 3 1,4-Dichlorobenzene-d4	152	12.173	12.172	0.001	96	437484	28.9	28.9	
$ 4 Dibromofluoromethane (Surr)	111	6.160	6.160	0.000	93	311062	28.9	29.6	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.611	6.611	0.000	98	331613	28.9	27.6	
$ 6 Toluene-d8 (Surr)	98	8.722	8.722	0.000	94	1208227	28.9	30.9	
$ 7 4-Bromofluorobenzene (Surr)	95	11.224	11.212	0.012	96	436141	28.9	29.5	
9 Dichlorodifluoromethane	85	1.144	1.132	0.012	99	203911	25.0	18.9	
10 Chloromethane	50	1.310	1.310	0.000	99	245051	25.0	20.1	
12 Vinyl chloride	62	1.405	1.405	0.000	98	283153	25.0	20.6	
11 Butadiene	54	1.429	1.429	0.001	89	241122	25.0	17.8	
13 Bromomethane	94	1.701	1.701	0.000	90	77434	25.0	13.6	
15 Chloroethane	64	1.796	1.796	0.000	98	120893	25.0	13.0	M
17 Trichlorofluoromethane	101	2.010	2.010	0.000	98	305466	25.0	17.8	
16 Dichlorofluoromethane	67	2.033	2.033	0.000	97	376385	25.0	17.2	
18 Ethyl ether	59	2.377	2.377	0.000	90	173973	25.0	18.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.579	2.579	0.000	94	228569	25.0	25.0	
20 1,1-Dichloroethene	96	2.603	2.603	0.001	98	216009	25.0	24.3	
19 Acrolein	56	2.603	2.603	0.001	73	219115	125.0	104.2	
22 Acetone	43	2.804	2.804	0.000	100	244904	50.0	47.6	
24 Iodomethane	142	2.804	2.804	0.000	68	146711	25.0	18.6	
25 Carbon disulfide	76	2.828	2.828	0.000	99	645224	25.0	22.8	
27 3-Chloro-1-propene	41	3.113	3.112	0.001	91	314105	25.0	22.7	
28 Methyl acetate	43	3.196	3.195	0.001	97	530378	50.0	48.4	
29 Methylene Chloride	84	3.338	3.338	0.000	90	251573	25.0	23.7	
30 2-Methyl-2-propanol	59	3.599	3.599	0.000	97	509760	250.0	286.3	
33 Methyl tert-butyl ether	73	3.646	3.646	0.000	92	666301	25.0	23.4	
32 trans-1,2-Dichloroethene	96	3.658	3.658	0.000	74	237945	25.0	23.4	
31 Acrylonitrile	53	3.848	3.848	0.000	98	1461348	250.0	245.7	
34 Hexane	57	3.966	3.966	0.000	91	312273	25.0	24.0	
35 1,1-Dichloroethane	63	4.453	4.441	0.012	96	420072	25.0	22.9	
36 Vinyl acetate	43	4.595	4.595	0.000	97	348113	25.0	24.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
42 2,2-Dichloropropane	97	5.378	5.366	0.012	92	61073	25.0	24.2	
41 cis-1,2-Dichloroethene	96	5.449	5.449	0.000	79	262557	25.0	23.2	
40 2-Butanone (MEK)	72	5.544	5.543	0.001	99	102824	50.0	51.3	
47 Tetrahydrofuran	42	5.793	5.792	0.001	86	246305	50.0	48.0	
46 Chlorobromomethane	49	5.793	5.792	0.001	90	182480	25.0	21.5	
48 Chloroform	83	5.935	5.935	0.000	93	420475	25.0	22.6	
50 Cyclohexane	84	6.006	6.006	0.000	89	365751	25.0	23.3	
49 1,1,1-Trichloroethane	97	6.065	6.065	0.000	99	354913	25.0	23.7	
52 Carbon tetrachloride	117	6.219	6.219	0.000	97	303644	25.0	27.1	
51 1,1-Dichloropropene	75	6.291	6.291	0.000	98	339852	25.0	24.7	
54 Benzene	78	6.552	6.551	0.001	95	985970	25.0	24.3	
53 Isobutyl alcohol	41	6.682	6.682	0.000	92	360489	625.0	767.9	
55 1,2-Dichloroethane	62	6.706	6.706	0.000	98	313408	25.0	22.0	
57 n-Heptane	100	6.836	6.836	0.000	90	54488	25.0	20.7	
59 Trichloroethene	130	7.370	7.370	0.000	99	264103	25.0	26.5	
61 Methylcyclohexane	83	7.477	7.476	0.000	89	382078	25.0	23.1	
62 1,2-Dichloropropane	63	7.690	7.690	0.000	96	240970	25.0	24.1	
64 Dibromomethane	174	7.820	7.820	0.000	96	166468	25.0	27.3	
65 1,4-Dioxane	88	7.844	7.844	0.000	93	129465	500.0	609.9	
66 Dichlorobromomethane	83	8.010	8.010	0.000	99	314226	25.0	23.7	
68 2-Chloroethyl vinyl ether	63	8.390	8.390	0.000	92	175583	25.0	24.3	
69 cis-1,3-Dichloropropene	75	8.508	8.508	0.000	96	366906	25.0	24.7	
70 4-Methyl-2-pentanone (MIBK)	43	8.686	8.686	0.000	96	647957	50.0	50.5	
71 Toluene	91	8.793	8.793	0.000	98	1038553	25.0	24.3	
72 trans-1,3-Dichloropropene	75	9.137	9.137	0.000	92	326371	25.0	26.2	
73 Ethyl methacrylate	69	9.184	9.184	0.000	88	318218	25.0	26.0	
74 1,1,2-Trichloroethane	97	9.303	9.303	0.000	93	227552	25.0	25.3	
75 Tetrachloroethene	166	9.315	9.314	0.001	95	258527	25.0	28.5	
76 1,3-Dichloropropane	76	9.469	9.469	0.000	89	398083	25.0	24.9	
77 2-Hexanone	43	9.540	9.540	0.000	96	515931	50.0	51.9	
79 Chlorodibromomethane	129	9.647	9.647	0.000	90	237619	25.0	27.2	
81 Ethylene Dibromide	107	9.753	9.753	0.000	99	239320	25.0	25.6	
83 Chlorobenzene	112	10.192	10.192	0.000	95	660411	25.0	25.3	
85 Ethylbenzene	106	10.263	10.263	0.000	99	353579	25.0	24.6	
84 1,1,1,2-Tetrachloroethane	131	10.287	10.287	0.000	95	225670	25.0	29.1	
86 m-Xylene & p-Xylene	106	10.382	10.382	0.000	100	434238	25.0	24.5	
87 o-Xylene	106	10.738	10.738	0.000	97	421128	25.0	24.5	
88 Styrene	104	10.761	10.761	0.000	94	718278	25.0	24.9	
89 Bromoform	173	10.939	10.939	0.000	97	176970	25.0	31.6	
90 Isopropylbenzene	105	11.046	11.046	0.000	96	1102994	25.0	24.5	
95 Bromobenzene	156	11.331	11.330	0.001	94	277838	25.0	27.5	
93 1,1,2,2-Tetrachloroethane	83	11.378	11.378	0.000	93	382162	25.0	26.3	
98 N-Propylbenzene	120	11.402	11.402	0.000	98	301817	25.0	24.9	
96 1,2,3-Trichloropropane	110	11.425	11.425	0.000	85	120786	25.0	25.9	
97 trans-1,4-Dichloro-2-butene	53	11.437	11.437	0.000	90	106694	25.0	30.1	
100 2-Chlorotoluene	126	11.485	11.485	0.000	96	264246	25.0	25.8	
101 1,3,5-Trimethylbenzene	105	11.556	11.556	0.000	95	911378	25.0	24.5	
102 4-Chlorotoluene	126	11.591	11.591	0.000	97	279778	25.0	26.7	
103 tert-Butylbenzene	119	11.817	11.817	0.000	93	759855	25.0	24.0	
105 1,2,4-Trimethylbenzene	105	11.864	11.864	0.000	97	935231	25.0	24.3	
106 sec-Butylbenzene	105	11.995	11.995	0.000	94	1116428	25.0	23.2	
108 4-Isopropyltoluene	119	12.113	12.113	0.000	97	949417	25.0	24.0	

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab Sample ID: CCVIS 240-540508/3 Calibration Date: 08/29/2022 11:30

Instrument ID: A3UX22 Calib Start Date: 04/28/2022 15:53

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/28/2022 19:03

Lab File ID: 227976.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	0.2760	0.2962	0.1000	0.0268	0.0250	7.3	20.0
Chloromethane	Ave	0.3111	0.2889	0.1000	0.0232	0.0250	-7.1	20.0
Vinyl chloride	Ave	0.3509	0.3143	0.1000	0.0224	0.0250	-10.4	20.0
Butadiene	Ave	0.3466	0.2783		0.0201	0.0250	-19.7	20.0
Bromomethane	Lin1		0.0837	0.0500	0.0144	0.0250	-42.2*	20.0
Chloroethane	Qua		0.1435	0.0500	0.0155	0.0250	-38.2*	20.0
Trichlorofluoromethane	Ave	0.4379	0.3651	0.1000	0.0208	0.0250	-16.6	20.0
Dichlorofluoromethane	Ave	0.5584	0.4368		0.0196	0.0250	-21.8*	20.0
Ethyl ether	Ave	0.2372	0.1965		0.0207	0.0250	-17.2	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.2330	0.2411	0.0500	0.0259	0.0250	3.5	20.0
1,1-Dichloroethene	Ave	0.2272	0.2238	0.1000	0.0246	0.0250	-1.5	20.0
Acrolein	Ave	0.0537	0.0319		0.0743	0.125	-40.5*	20.0
Acetone	Lin1		0.1327	0.0100	0.0506	0.0500	1.3	50.0
Iodomethane	Ave	0.2017	0.1416		0.0175	0.0250	-29.8*	20.0
Carbon disulfide	Ave	0.7226	0.7116	0.1000	0.0246	0.0250	-1.5	20.0
3-Chloro-1-propene	Ave	0.3537	0.3346		0.0236	0.0250	-5.4	20.0
Methyl acetate	Ave	0.2800	0.2777	0.1000	0.0496	0.0500	-0.8	50.0
Methylene Chloride	Ave	0.2714	0.2711	0.1000	0.0250	0.0250	-0.1	50.0
tert-Butyl alcohol	Ave	0.0455	0.0551		0.303	0.250	21.2*	20.0
Methyl tert-butyl ether	Ave	0.7279	0.7100	0.1000	0.0244	0.0250	-2.5	20.0
trans-1,2-Dichloroethene	Ave	0.2593	0.2618	0.1000	0.0252	0.0250	1.0	20.0
Acrylonitrile	Ave	0.1519	0.1563		0.257	0.250	2.9	20.0
Hexane	Ave	0.3325	0.3482		0.0262	0.0250	4.7	20.0
1,1-Dichloroethane	Ave	0.4686	0.4645	0.2000	0.0248	0.0250	-0.9	20.0
Vinyl acetate	Ave	0.3689	0.4444		0.0301	0.0250	20.5*	20.0
2,2-Dichloropropane	Ave	0.0644	0.0696		0.0270	0.0250	8.1	20.0
cis-1,2-Dichloroethene	Ave	0.2889	0.2821	0.1000	0.0244	0.0250	-2.4	20.0
2-Butanone	Ave	0.0512	0.0549	0.0100	0.0536	0.0500	7.2	50.0
Bromochloromethane	Ave	0.2162	0.2030		0.0235	0.0250	-6.1	20.0
Tetrahydrofuran	Ave	0.1309	0.1326		0.0506	0.0500	1.3	20.0
Chloroform	Ave	0.4748	0.4525	0.2000	0.0238	0.0250	-4.7	20.0
Cyclohexane	Ave	0.4000	0.3929	0.1000	0.0246	0.0250	-1.8	20.0
1,1,1-Trichloroethane	Ave	0.3821	0.3851	0.1000	0.0252	0.0250	0.8	20.0
Carbon tetrachloride	Ave	0.2864	0.3335	0.1000	0.0291	0.0250	16.4	20.0
1,1-Dichloropropene	Ave	0.3519	0.3733		0.0265	0.0250	6.1	20.0
Benzene	Ave	1.036	1.078	0.5000	0.0260	0.0250	4.0	20.0
Isobutyl alcohol	Qua		0.0155		0.799	0.625	27.8*	20.0
1,2-Dichloroethane	Ave	0.3644	0.3414	0.1000	0.0234	0.0250	-6.3	20.0
n-Heptane	Ave	0.0673	0.0607		0.0225	0.0250	-9.8	20.0
Trichloroethene	Ave	0.2548	0.2737	0.1500	0.0269	0.0250	7.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab Sample ID: CCVIS 240-540508/3 | Calibration Date: 08/29/2022 11:30

Instrument ID: A3UX22 | Calib Start Date: 04/28/2022 15:53

GC Column: DB-624 ID: 0.18(mm) | Calib End Date: 04/28/2022 19:03

Lab File ID: 227976.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	0.4217	0.4048	0.1000	0.0240	0.0250	-4.0	20.0
1,2-Dichloropropane	Ave	0.2550	0.2581	0.1000	0.0253	0.0250	1.2	20.0
Dibromomethane	Ave	0.1559	0.1723		0.0276	0.0250	10.5	20.0
1,4-Dioxane	Lin1		0.0068		0.631	0.500	26.2	50.0
Bromodichloromethane	Ave	0.3392	0.3281	0.1500	0.0242	0.0250	-3.3	20.0
2-Chloroethyl vinyl ether	Ave	0.1846	0.1949		0.0528	0.0500	5.6	20.0
cis-1,3-Dichloropropene	Ave	0.3798	0.3989	0.1500	0.0263	0.0250	5.0	50.0
4-Methyl-2-pentanone	Ave	0.3275	0.3458	0.0500	0.0528	0.0500	5.6	50.0
Toluene	Ave	1.453	1.500	0.4000	0.0258	0.0250	3.2	20.0
trans-1,3-Dichloropropene	Ave	0.4240	0.4701	0.1000	0.0277	0.0250	10.9	20.0
Ethyl methacrylate	Ave	0.4165	0.4473		0.0268	0.0250	7.4	20.0
1,1,2-Trichloroethane	Ave	0.3056	0.3205	0.1000	0.0262	0.0250	4.9	20.0
Tetrachloroethene	Ave	0.3088	0.3718	0.1500	0.0301	0.0250	20.4*	20.0
1,3-Dichloropropane	Ave	0.5437	0.5712		0.0263	0.0250	5.1	20.0
2-Hexanone	Ave	0.3385	0.3601	0.0500	0.0532	0.0500	6.4	50.0
Dibromochloromethane	Ave	0.2969	0.3327		0.0280	0.0250	12.1	20.0
1,2-Dibromoethane	Ave	0.3178	0.3366		0.0265	0.0250	5.9	20.0
Chlorobenzene	Ave	0.8873	0.9439	0.3000	0.0266	0.0250	6.4	20.0
Ethylbenzene	Ave	0.4892	0.4989		0.0255	0.0250	2.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2639	0.3231		0.0306	0.0250	22.4*	20.0
m-Xylene & p-Xylene	Ave	0.6020	0.6167		0.0256	0.0250	2.4	20.0
o-Xylene	Ave	0.5852	0.5997		0.0256	0.0250	2.5	20.0
Styrene	Ave	0.9830	1.053	0.3000	0.0268	0.0250	7.2	20.0
Bromoform	Ave	0.1904	0.2631	0.1000	0.0346	0.0250	38.2*	20.0
Isopropylbenzene	Ave	1.533	1.590	0.1000	0.0259	0.0250	3.7	20.0
Bromobenzene	Ave	0.6663	0.7492		0.0281	0.0250	12.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9613	1.030	0.3000	0.0268	0.0250	7.1	20.0
n-Propylbenzene	Ave	0.7996	0.8141		0.0255	0.0250	1.8	20.0
1,2,3-Trichloropropane	Ave	0.3079	0.3240		0.0263	0.0250	5.2	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2342	0.2916		0.0311	0.0250	24.5*	20.0
2-Chlorotoluene	Ave	0.6772	0.7326		0.0270	0.0250	8.2	20.0
1,3,5-Trimethylbenzene	Ave	2.456	2.475		0.0252	0.0250	0.7	20.0
4-Chlorotoluene	Ave	0.6912	0.7584		0.0274	0.0250	9.7	20.0
tert-Butylbenzene	Ave	2.088	2.080		0.0249	0.0250	-0.3	20.0
1,2,4-Trimethylbenzene	Ave	2.540	2.545		0.0250	0.0250	0.2	20.0
sec-Butylbenzene	Ave	3.175	3.040		0.0239	0.0250	-4.2	20.0
1,3-Dichlorobenzene	Ave	1.312	1.434	0.6000	0.0273	0.0250	9.3	20.0
p-Isopropyltoluene	Ave	2.611	2.606		0.0249	0.0250	-0.2	20.0
1,4-Dichlorobenzene	Ave	1.336	1.433	0.5000	0.0268	0.0250	7.2	20.0
n-Butylbenzene	Ave	2.485	2.338		0.0235	0.0250	-5.9	20.0
1,2-Dichlorobenzene	Ave	1.272	1.347	0.4000	0.0265	0.0250	5.9	20.0

Eurofins Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20220829-121648.b\227976.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 29-Aug-2022 11:30:49 ALS Bottle#: 0 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0121648-003
Operator ID: 002808 Instrument ID: A3UX22
Sublist: chrom-8260_22*sub1

Method: \\chromfs\Canton\ChromData\A3UX22\20220829-121648.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 30-Aug-2022 10:04:34 Calib Date: 28-Apr-2022 19:03:07
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20220428-118083.b\225403.D

Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1619

First Level Reviewer: SE1B Date: 29-Aug-2022 11:51:34

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.955	6.955	0.000	99	1109816	28.9	28.9	
* 2 Chlorobenzene-d5	117	10.168	10.168	0.000	85	823078	28.9	28.9	
* 3 1,4-Dichlorobenzene-d4	152	12.172	12.172	0.000	97	434851	28.9	28.9	
$ 4 Dibromofluoromethane (Surr)	111	6.160	6.160	0.000	93	311170	28.9	30.2	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.611	6.611	0.000	97	328270	28.9	27.8	
$ 6 Toluene-d8 (Surr)	98	8.722	8.722	0.000	94	1191886	28.9	31.5	
$ 7 4-Bromofluorobenzene (Surr)	95	11.212	11.212	0.000	91	439642	28.9	30.7	
9 Dichlorodifluoromethane	85	1.132	1.132	0.000	99	284348	25.0	26.8	
10 Chloromethane	50	1.310	1.310	0.000	99	277396	25.0	23.2	
12 Vinyl chloride	62	1.405	1.405	0.000	98	301767	25.0	22.4	
11 Butadiene	54	1.429	1.429	0.000	89	267135	25.0	20.1	
13 Bromomethane	94	1.701	1.701	0.000	89	80314	25.0	14.4	
15 Chloroethane	64	1.796	1.796	0.000	99	137802	25.0	15.5	M
17 Trichlorofluoromethane	101	2.010	2.010	0.000	98	350544	25.0	20.8	
16 Dichlorofluoromethane	67	2.033	2.033	0.000	98	419328	25.0	19.6	
18 Ethyl ether	59	2.377	2.377	0.000	90	188629	25.0	20.7	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.579	2.579	0.000	94	231491	25.0	25.9	
20 1,1-Dichloroethene	96	2.603	2.603	0.000	97	214862	25.0	24.6	
19 Acrolein	56	2.603	2.603	0.000	55	153348	125.0	74.3	
22 Acetone	43	2.804	2.804	0.000	100	254853	50.0	50.6	
24 Iodomethane	142	2.804	2.804	0.000	62	135956	25.0	17.5	
25 Carbon disulfide	76	2.828	2.828	0.000	99	683150	25.0	24.6	
27 3-Chloro-1-propene	41	3.112	3.112	0.000	92	321209	25.0	23.6	
28 Methyl acetate	43	3.195	3.195	0.000	97	533292	50.0	49.6	
29 Methylene Chloride	84	3.338	3.338	0.000	91	260233	25.0	25.0	
30 2-Methyl-2-propanol	59	3.599	3.599	0.000	97	528975	250.0	303.0	
33 Methyl tert-butyl ether	73	3.646	3.646	0.000	99	681633	25.0	24.4	
32 trans-1,2-Dichloroethene	96	3.658	3.658	0.000	99	251382	25.0	25.2	
31 Acrylonitrile	53	3.848	3.848	0.000	98	1500718	250.0	257.3	
34 Hexane	57	3.966	3.966	0.000	91	334287	25.0	26.2	
35 1,1-Dichloroethane	63	4.441	4.441	0.000	96	445933	25.0	24.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 Vinyl acetate	43	4.595	4.595	0.000	97	426606	25.0	30.1	
42 2,2-Dichloropropane	97	5.366	5.366	0.000	92	66789	25.0	27.0	
41 cis-1,2-Dichloroethene	96	5.449	5.449	0.000	79	270864	25.0	24.4	
40 2-Butanone (MEK)	72	5.543	5.543	0.000	99	105366	50.0	53.6	
47 Tetrahydrofuran	42	5.792	5.792	0.000	86	254642	50.0	50.6	
46 Chlorobromomethane	49	5.792	5.792	0.000	91	194873	25.0	23.5	
48 Chloroform	83	5.935	5.935	0.000	93	434415	25.0	23.8	
50 Cyclohexane	84	6.006	6.006	0.000	89	377250	25.0	24.6	
49 1,1,1-Trichloroethane	97	6.065	6.065	0.000	98	369671	25.0	25.2	
52 Carbon tetrachloride	117	6.219	6.219	0.000	97	320153	25.0	29.1	
51 1,1-Dichloropropene	75	6.291	6.291	0.000	98	358391	25.0	26.5	
54 Benzene	78	6.551	6.551	0.000	95	1034617	25.0	26.0	
53 Isobutyl alcohol	41	6.682	6.682	0.000	93	372684	625.0	798.7	
55 1,2-Dichloroethane	62	6.706	6.706	0.000	97	327767	25.0	23.4	
57 n-Heptane	100	6.836	6.836	0.000	89	58295	25.0	22.5	
59 Trichloroethene	130	7.370	7.370	0.000	99	262802	25.0	26.9	
61 Methylcyclohexane	83	7.476	7.476	0.000	89	388594	25.0	24.0	
62 1,2-Dichloropropane	63	7.690	7.690	0.000	97	247798	25.0	25.3	
64 Dibromomethane	174	7.820	7.820	0.000	97	165437	25.0	27.6	
65 1,4-Dioxane	88	7.844	7.844	0.000	93	131424	500.0	631.1	
66 Dichlorobromomethane	83	8.010	8.010	0.000	100	315017	25.0	24.2	
68 2-Chloroethyl vinyl ether	63	8.390	8.390	0.000	91	374295	50.0	52.8	
69 cis-1,3-Dichloropropene	75	8.508	8.508	0.000	96	383010	25.0	26.3	
70 4-Methyl-2-pentanone (MIBK)	43	8.686	8.686	0.000	96	664023	50.0	52.8	
71 Toluene	91	8.793	8.793	0.000	98	1067812	25.0	25.8	
72 trans-1,3-Dichloropropene	75	9.137	9.137	0.000	92	334740	25.0	27.7	
73 Ethyl methacrylate	69	9.184	9.184	0.000	88	318470	25.0	26.8	
74 1,1,2-Trichloroethane	97	9.303	9.303	0.000	93	228203	25.0	26.2	
75 Tetrachloroethene	166	9.314	9.314	0.000	96	264739	25.0	30.1	
76 1,3-Dichloropropane	76	9.469	9.469	0.000	89	406714	25.0	26.3	
77 2-Hexanone	43	9.540	9.540	0.000	96	512770	50.0	53.2	
79 Chlorodibromomethane	129	9.647	9.647	0.000	90	236906	25.0	28.0	
81 Ethylene Dibromide	107	9.753	9.753	0.000	99	239636	25.0	26.5	
83 Chlorobenzene	112	10.192	10.192	0.000	95	672091	25.0	26.6	
85 Ethylbenzene	106	10.263	10.263	0.000	99	355223	25.0	25.5	
84 1,1,1,2-Tetrachloroethane	131	10.287	10.287	0.000	95	230075	25.0	30.6	
86 m-Xylene & p-Xylene	106	10.382	10.382	0.000	100	439064	25.0	25.6	
87 o-Xylene	106	10.738	10.738	0.000	97	426984	25.0	25.6	
88 Styrene	104	10.761	10.761	0.000	94	750017	25.0	26.8	
89 Bromoform	173	10.939	10.939	0.000	97	187360	25.0	34.6	
90 Isopropylbenzene	105	11.046	11.046	0.000	96	1132254	25.0	25.9	
95 Bromobenzene	156	11.330	11.330	0.000	94	281841	25.0	28.1	
93 1,1,2,2-Tetrachloroethane	83	11.378	11.378	0.000	93	387273	25.0	26.8	
98 N-Propylbenzene	120	11.402	11.402	0.000	98	306229	25.0	25.5	
96 1,2,3-Trichloropropane	110	11.425	11.425	0.000	86	121862	25.0	26.3	
97 trans-1,4-Dichloro-2-butene	53	11.437	11.437	0.000	94	109687	25.0	31.1	
100 2-Chlorotoluene	126	11.485	11.485	0.000	96	275567	25.0	27.0	
101 1,3,5-Trimethylbenzene	105	11.556	11.556	0.000	95	930924	25.0	25.2	
102 4-Chlorotoluene	126	11.591	11.591	0.000	97	285274	25.0	27.4	
103 tert-Butylbenzene	119	11.817	11.817	0.000	93	782618	25.0	24.9	
105 1,2,4-Trimethylbenzene	105	11.864	11.864	0.000	97	957192	25.0	25.0	
106 sec-Butylbenzene	105	11.995	11.995	0.000	94	1143569	25.0	23.9	

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ANALYTICAL REPORT

Job Number: 240-171981-1

SDG Number: MSA Frog Mortar Creek

Job Description: MSA Surface Water Sampling

For:
Tetra Tech, Inc.
20251 Century Blvd
Suite 200
Germantown, MD 20874

Attention: Josh Mullis

Roxanne Cisneros

Approved for release.
Roxanne Cisneros
Senior Project Manager
9/1/2022 11:24 AM

Roxanne Cisneros, Senior Project Manager
180 S. Van Buren Avenue, Barberton, OH, 44203
(615)301-5761
roxanne.cisneros@et.eurofinsus.com
09/01/2022

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job Narrative
240-171981-1

Comments
No additional comments.

Receipt
The samples were received on 8/23/2022 3:30 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.6º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) analyzed in batch 240-540508 was outside the method criteria for Bromomethane and Chloroethane. An MRL standard at or below the reporting limit (RL) was analyzed with the affected samplesMSA-SW37A-082222 (240-171981-1), MSA-SW37B-082222 (240-171981-2), MSA-SW37C-082222 (240-171981-3), MSA-SW37D-082222 (240-171981-4), MSA-SW38A-082222 (240-171981-5), MSA-SW38B-082222 (240-171981-6), MSA-SW38C-082222 (240-171981-7), MSA-SW38D-082222 (240-171981-8), MSA-SW40A-082222 (240-171981-9), MSA-SW40B-082222 (240-171981-10), MSA-SW40C-082222 (240-171981-11), MSA-SW40D-082222 (240-171981-12), MSA-SW41A-082222 (240-171981-13), MSA-SW41B-082222 (240-171981-14), MSA-SW41C-082222 (240-171981-15), MSA-SW41D-082222 (240-171981-16), MSA-SW42A-082222 (240-171981-17), MSA-SW42B-082222 (240-171981-18), MSA-SW42C-082222 (240-171981-19), (CCV 240-540508/4), (CCVIS 240-540508/3), (LCS 240-540508/5), (LCS 240-540508/6), (MB 240-540508/8) 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) associated with batch 240-540508 recovered above the upper control limit for Bromoform, 1,1,1,2-Tetrachloroethane, 2-Methyl-2-Propanol,Vinyl Acetate, and Tetrachloroethene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MSA-SW37A-082222 (240-171981-1), MSA-SW37B-082222 (240-171981-2), MSA-SW37C-082222 (240-171981-3), MSA-SW37D-082222 (240-171981-4), MSA-SW38A-082222 (240-171981-5), MSA-SW38B-082222 (240-171981-6), MSA-SW38C-082222 (240-171981-7), MSA-SW38D-082222 (240-171981-8), MSA-SW40A-082222 (240-171981-9), MSA-SW40B-082222 (240-171981-10), MSA-SW40C-082222 (240-171981-11), MSA-SW40D-082222 (240-171981-12), MSA-SW41A-082222 (240-171981-13), MSA-SW41B-082222 (240-171981-14), MSA-SW41C-082222 (240-171981-15), MSA-SW41D-082222 (240-171981-16), MSA-SW42A-082222 (240-171981-17), MSA-SW42B-082222 (240-171981-18), MSA-SW42C-082222 (240-171981-19), (CCV 240-540508/4), (CCVIS 240-540508/3), (LCS 240-540508/5), (LCS 240-540508/6), (MB 240-540508/8)

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-082222 (240-171981-1), MSA-SW37B-082222 (240-171981-2), MSA-SW37C-082222 (240-171981-3), MSA-SW37D-082222 (240-171981-4), MSA-SW38A-082222 (240-171981-5), MSA-SW38B-082222 (240-171981-6), MSA-SW38C-082222 (240-171981-7), MSA-SW38D-082222 (240-171981-8), MSA-SW40A-082222 (240-171981-9), MSA-SW40B-082222 (240-171981-10), MSA-SW40C-082222 (240-171981-11), MSA-SW40D-082222 (240-171981-12), MSA-SW41A-082222 (240-171981-13), MSA-SW41B-082222 (240-171981-14), MSA-SW41C-082222 (240-171981-15), MSA-SW41D-082222 (240-171981-16), MSA-SW42A-082222 (240-171981-17), MSA-SW42B-082222 (240-171981-18) and MSA-SW42C-082222 (240-171981-19). The requested target analyte list includes 2-Chloroethyl vinyl ether, an acid-labile compound that degrades in an acidic medium.

Methods 8260C: The continuing calibration verification (CCV) associated with batch 240-540740 recovered above the upper control limit for Bromoform, 1,1,1,2-Tetrachloroethane, Vinyl Acetate, 2-Methyl-2-Propanol and trans-1,4-Dichloro-2-Butene>. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MSA-SW42D-082222 (240-171981-20), MSA-SW43A-082222 (240-171981-21), MSA-SW43B-082222 (240-171981-22), MSA-SW43C-082222 (240-171981-23), MSA-SW43D-082222 (240-171981-24), TB-082222 (240-171981-25), MSA-SW46A-082222 (240-171981-26), MSA-SW47A-082222 (240-171981-27), MSA-SW48A-082222 (240-171981-28), MSA-SW49A-082222 (240-171981-29), MSA-SWEQB-082222 (240-171981-30), (CCV 240-540740/4), (CCVIS 240-540740/3), (LCS 240-540740/5), (LCS 240-540740/6), (MB 240-540740/8)

Methods 8260C: The continuing calibration verification (CCV) analyzed in batch 240-540740 was outside the method criteria for Chloroethane, Bromomethane, and 2-Methylnaphthalene. An MRL standard at or below the reporting limit (RL) was analyzed with the affected samplesMSA-SW42D-082222 (240-171981-20), MSA-SW43A-082222 (240-171981-21), MSA-SW43B-082222 (240-171981-22), MSA-SW43C-082222 (240-171981-23), MSA-SW43D-082222 (240-171981-24), TB-082222 (240-171981-25), MSA-SW46A-082222 (240-171981-26), MSA-SW47A-082222 (240-171981-27), MSA-SW48A-082222 (240-171981-28), MSA-SW49A-082222 (240-171981-29), MSA-SWEQB-082222 (240-171981-30), (CCV 240-540740/4), (CCVIS 240-540740/3), (LCS 240-540740/5), (LCS 240-540740/6), (MB 240-540740/8), (240-172135-B-3) 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.

Methods 8260C: The laboratory control sample (LCS) for analytical batch 240-540740 recovered outside control limits for Bromoform and 1,1,1,2-Tetrachloroethane. These analytes were biased high in the LCS and were not detected in the associated samplesMSA-SW42D-082222 (240-171981-20), MSA-SW43A-082222 (240-171981-21), MSA-SW43B-082222 (240-171981-22), MSA-SW43C-082222 (240-171981-23), MSA-SW43D-082222 (240-171981-24), TB-082222 (240-171981-25), MSA-SW46A-082222 (240-171981-26), MSA-SW47A-082222 (240-171981-27), MSA-SW48A-082222 (240-171981-28), MSA-SW49A-082222 (240-171981-29), MSA-SWEQB-082222 (240-171981-30), (LCS 240-540740/5), (LCS 240-540740/6), (MB 240-540740/8); therefore, the data have been reported.

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-SW42D-082222 (240-171981-20), MSA-SW43A-082222 (240-171981-21), MSA-SW43B-082222 (240-171981-22), MSA-SW43C-082222 (240-171981-23), MSA-SW43D-082222 (240-171981-24), TB-082222 (240-171981-25), MSA-SW46A-082222 (240-171981-26), MSA-SW47A-082222 (240-171981-27), MSA-SW48A-082222 (240-171981-28), MSA-SW49A-082222 (240-171981-29) and MSA-SWEQB-082222 (240-171981-30). The requested target analyte list includes 2-Chloroethyl vinyl ether, an acid-labile compound that degrades in an acidic medium.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep
No additional 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 Sampling

Job ID: 240-171981-1
SDG: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37A-082222 — Lab Sample ID: 240-171981-1

No Detections.

Client Sample ID: MSA-SW37B-082222 — Lab Sample ID: 240-171981-2

No Detections.

Client Sample ID: MSA-SW37C-082222 — Lab Sample ID: 240-171981-3

No Detections.

Client Sample ID: MSA-SW37D-082222 — Lab Sample ID: 240-171981-4

No Detections.

Client Sample ID: MSA-SW38A-082222 — Lab Sample ID: 240-171981-5

No Detections.

Client Sample ID: MSA-SW38B-082222 — Lab Sample ID: 240-171981-6

No Detections.

Client Sample ID: MSA-SW38C-082222 — Lab Sample ID: 240-171981-7

No Detections.

Client Sample ID: MSA-SW38D-082222 — Lab Sample ID: 240-171981-8

No Detections.

Client Sample ID: MSA-SW40A-082222 — Lab Sample ID: 240-171981-9

No Detections.

Client Sample ID: MSA-SW40B-082222 — Lab Sample ID: 240-171981-10

No Detections.

Client Sample ID: MSA-SW40C-082222 — Lab Sample ID: 240-171981-11

No Detections.

Client Sample ID: MSA-SW40D-082222 — Lab Sample ID: 240-171981-12

No Detections.

Client Sample ID: MSA-SW41A-082222 — Lab Sample ID: 240-171981-13

No Detections.

Client Sample ID: MSA-SW41B-082222 — Lab Sample ID: 240-171981-14

No Detections.

Client Sample ID: MSA-SW41C-082222 — Lab Sample ID: 240-171981-15

No Detections.

Client Sample ID: MSA-SW41D-082222 — Lab Sample ID: 240-171981-16

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water Sampling

Job ID: 240-171981-1
SDG: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42A-082222 — Lab Sample ID: 240-171981-17

No Detections.

Client Sample ID: MSA-SW42B-082222 — Lab Sample ID: 240-171981-18

No Detections.

Client Sample ID: MSA-SW42C-082222 — Lab Sample ID: 240-171981-19

No Detections.

Client Sample ID: MSA-SW42D-082222 — Lab Sample ID: 240-171981-20

No Detections.

Client Sample ID: MSA-SW43A-082222 — Lab Sample ID: 240-171981-21

No Detections.

Client Sample ID: MSA-SW43B-082222 — Lab Sample ID: 240-171981-22

No Detections.

Client Sample ID: MSA-SW43C-082222 — Lab Sample ID: 240-171981-23

No Detections.

Client Sample ID: MSA-SW43D-082222 — Lab Sample ID: 240-171981-24

No Detections.

Client Sample ID: TB-082222 — Lab Sample ID: 240-171981-25

No Detections.

Client Sample ID: MSA-SW46A-082222 — Lab Sample ID: 240-171981-26

No Detections.

Client Sample ID: MSA-SW47A-082222 — Lab Sample ID: 240-171981-27

No Detections.

Client Sample ID: MSA-SW48A-082222 — Lab Sample ID: 240-171981-28

No Detections.

Client Sample ID: MSA-SW49A-082222 — Lab Sample ID: 240-171981-29

No Detections.

Client Sample ID: MSA-SWEQB-082222 — Lab Sample ID: 240-171981-30

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: MSA-SW37A-082222

Date Collected: 08/22/22 12:40
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.4	U	10	5.4	ug/L			08/29/22 13:53	1
Benzene	0.42	U	1.0	0.42	ug/L			08/29/22 13:53	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			08/29/22 13:53	1
Bromochloromethane	0.54	U	1.0	0.54	ug/L			08/29/22 13:53	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			08/29/22 13:53	1
Bromoform	0.76	U	1.0	0.76	ug/L			08/29/22 13:53	1
Bromomethane	0.42	U	1.0	0.42	ug/L			08/29/22 13:53	1
2-Butanone	1.2	U	10	1.2	ug/L			08/29/22 13:53	1
Carbon disulfide	0.59	U	1.0	0.59	ug/L			08/29/22 13:53	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			08/29/22 13:53	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			08/29/22 13:53	1
Chloroethane	0.83	U	1.0	0.83	ug/L			08/29/22 13:53	1
2-Chloroethyl vinyl ether	1.5	U	10	1.5	ug/L			08/29/22 13:53	1
Chloroform	0.47	U	1.0	0.47	ug/L			08/29/22 13:53	1
Chloromethane	0.63	U	1.0	0.63	ug/L			08/29/22 13:53	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			08/29/22 13:53	1
4-Chlorotoluene	0.43	U	1.0	0.43	ug/L			08/29/22 13:53	1
cis-1,2-Dichloroethene	0.46	U	1.0	0.46	ug/L			08/29/22 13:53	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			08/29/22 13:53	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			08/29/22 13:53	1
1,2-Dibromo-3-Chloropropane	0.91	U	2.0	0.91	ug/L			08/29/22 13:53	1
1,2-Dibromoethane	0.41	U	1.0	0.41	ug/L			08/29/22 13:53	1
Dibromomethane	0.40	U	1.0	0.40	ug/L			08/29/22 13:53	1
1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L			08/29/22 13:53	1
1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L			08/29/22 13:53	1
1,4-Dichlorobenzene	0.41	U	1.0	0.41	ug/L			08/29/22 13:53	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			08/29/22 13:53	1
1,1-Dichloroethane	0.47	U	1.0	0.47	ug/L			08/29/22 13:53	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			08/29/22 13:53	1
1,1-Dichloroethene	0.49	U	1.0	0.49	ug/L			08/29/22 13:53	1
1,2-Dichloropropane	0.47	U	1.0	0.47	ug/L			08/29/22 13:53	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			08/29/22 13:53	1
2,2-Dichloropropane	0.78	U	1.0	0.78	ug/L			08/29/22 13:53	1
1,1-Dichloropropene	0.36	U	1.0	0.36	ug/L			08/29/22 13:53	1
Diisopropyl ether	0.17	U	10	0.17	ug/L			08/29/22 13:53	1
Ethylbenzene	0.42	U	1.0	0.42	ug/L			08/29/22 13:53	1
Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40	ug/L			08/29/22 13:53	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			08/29/22 13:53	1
2-Hexanone	1.1	U	10	1.1	ug/L			08/29/22 13:53	1
Isopropylbenzene	0.49	U	1.0	0.49	ug/L			08/29/22 13:53	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			08/29/22 13:53	1
4-Methyl-2-pentanone	0.99	U	10	0.99	ug/L			08/29/22 13:53	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			08/29/22 13:53	1
m-Xylene & p-Xylene	0.42	U	2.0	0.42	ug/L			08/29/22 13:53	1
Naphthalene	0.80	U	1.0	0.80	ug/L			08/29/22 13:53	1
n-Butylbenzene	0.60	U	1.0	0.60	ug/L			08/29/22 13:53	1
n-Propylbenzene	0.57	U	1.0	0.57	ug/L			08/29/22 13:53	1
o-Xylene	0.42	U	1.0	0.42	ug/L			08/29/22 13:53	1
p-Isopropyltoluene	0.56	U	1.0	0.56	ug/L			08/29/22 13:53	1

Client Sample ID: MSA-SW37A-082222

Lab Sample ID: 240-171981-1

Date Collected: 08/22/22 12:40
Matrix: Water
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	0.53	U	1.0	0.53	ug/L			08/29/22 13:53	1
Styrene	0.45	U	1.0	0.45	ug/L			08/29/22 13:53	1
Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43	ug/L			08/29/22 13:53	1
tert-Butyl alcohol	7.2	U	40	7.2	ug/L			08/29/22 13:53	1
tert-Butylbenzene	0.48	U	1.0	0.48	ug/L			08/29/22 13:53	1
1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43	ug/L			08/29/22 13:53	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	ug/L			08/29/22 13:53	1
Tetrachloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 13:53	1
Toluene	0.44	U	1.0	0.44	ug/L			08/29/22 13:53	1
trans-1,2-Dichloroethene	0.51	U	1.0	0.51	ug/L			08/29/22 13:53	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			08/29/22 13:53	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			08/29/22 13:53	1
1,2,4-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/29/22 13:53	1
1,1,1-Trichloroethane	0.48	U	1.0	0.48	ug/L			08/29/22 13:53	1
Trichloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 13:53	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			08/29/22 13:53	1
1,2,3-Trichloropropane	0.52	U	1.0	0.52	ug/L			08/29/22 13:53	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			08/29/22 13:53	1
1,2,3-Trimethylbenzene	0.31	U	5.0	0.31	ug/L			08/29/22 13:53	1
1,2,4-Trimethylbenzene	0.52	U	1.0	0.52	ug/L			08/29/22 13:53	1
Vinyl acetate	0.61	U	2.0	0.61	ug/L			08/29/22 13:53	1
Vinyl chloride	0.45	U	1.0	0.45	ug/L			08/29/22 13:53	1
Xylenes, Total	0.42	U	2.0	0.42	ug/L			08/29/22 13:53	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/29/22 13:53*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*56 - 136*		*08/29/22 13:53*	*1*
Dibromofluoromethane (Surr)	*106*		*73 - 120*		*08/29/22 13:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*62 - 137*		*08/29/22 13:53*	*1*
Toluene-d8 (Surr)	*102*		*78 - 122*		*08/29/22 13:53*	*1*

Client Sample ID: MSA-SW37B-082222

Lab Sample ID: 240-171981-2

Date Collected: 08/22/22 12:42
Matrix: Water
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.4	U	10	5.4	ug/L			08/29/22 14:17	1
Benzene	0.42	U	1.0	0.42	ug/L			08/29/22 14:17	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			08/29/22 14:17	1
Bromochloromethane	0.54	U	1.0	0.54	ug/L			08/29/22 14:17	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			08/29/22 14:17	1
Bromoform	0.76	U	1.0	0.76	ug/L			08/29/22 14:17	1
Bromomethane	0.42	U	1.0	0.42	ug/L			08/29/22 14:17	1
2-Butanone	1.2	U	10	1.2	ug/L			08/29/22 14:17	1
Carbon disulfide	0.59	U	1.0	0.59	ug/L			08/29/22 14:17	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			08/29/22 14:17	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			08/29/22 14:17	1

Client Sample ID: MSA-SW37B-082222

Date Collected: 08/22/22 12:42
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	0.83	U	1.0	0.83	ug/L			08/29/22 14:17	1
2-Chloroethyl vinyl ether	1.5	U	10	1.5	ug/L			08/29/22 14:17	1
Chloroform	0.47	U	1.0	0.47	ug/L			08/29/22 14:17	1
Chloromethane	0.63	U	1.0	0.63	ug/L			08/29/22 14:17	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			08/29/22 14:17	1
4-Chlorotoluene	0.43	U	1.0	0.43	ug/L			08/29/22 14:17	1
cis-1,2-Dichloroethene	0.46	U	1.0	0.46	ug/L			08/29/22 14:17	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			08/29/22 14:17	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			08/29/22 14:17	1
1,2-Dibromo-3-Chloropropane	0.91	U	2.0	0.91	ug/L			08/29/22 14:17	1
1,2-Dibromoethane	0.41	U	1.0	0.41	ug/L			08/29/22 14:17	1
Dibromomethane	0.40	U	1.0	0.40	ug/L			08/29/22 14:17	1
1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L			08/29/22 14:17	1
1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L			08/29/22 14:17	1
1,4-Dichlorobenzene	0.41	U	1.0	0.41	ug/L			08/29/22 14:17	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			08/29/22 14:17	1
1,1-Dichloroethane	0.47	U	1.0	0.47	ug/L			08/29/22 14:17	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			08/29/22 14:17	1
1,1-Dichloroethene	0.49	U	1.0	0.49	ug/L			08/29/22 14:17	1
1,2-Dichloropropane	0.47	U	1.0	0.47	ug/L			08/29/22 14:17	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			08/29/22 14:17	1
2,2-Dichloropropane	0.78	U	1.0	0.78	ug/L			08/29/22 14:17	1
1,1-Dichloropropene	0.36	U	1.0	0.36	ug/L			08/29/22 14:17	1
Diisopropyl ether	0.17	U	10	0.17	ug/L			08/29/22 14:17	1
Ethylbenzene	0.42	U	1.0	0.42	ug/L			08/29/22 14:17	1
Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40	ug/L			08/29/22 14:17	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			08/29/22 14:17	1
2-Hexanone	1.1	U	10	1.1	ug/L			08/29/22 14:17	1
Isopropylbenzene	0.49	U	1.0	0.49	ug/L			08/29/22 14:17	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			08/29/22 14:17	1
4-Methyl-2-pentanone	0.99	U	10	0.99	ug/L			08/29/22 14:17	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			08/29/22 14:17	1
m-Xylene & p-Xylene	0.42	U	2.0	0.42	ug/L			08/29/22 14:17	1
Naphthalene	0.80	U	1.0	0.80	ug/L			08/29/22 14:17	1
n-Butylbenzene	0.60	U	1.0	0.60	ug/L			08/29/22 14:17	1
n-Propylbenzene	0.57	U	1.0	0.57	ug/L			08/29/22 14:17	1
o-Xylene	0.42	U	1.0	0.42	ug/L			08/29/22 14:17	1
p-Isopropyltoluene	0.56	U	1.0	0.56	ug/L			08/29/22 14:17	1
sec-Butylbenzene	0.53	U	1.0	0.53	ug/L			08/29/22 14:17	1
Styrene	0.45	U	1.0	0.45	ug/L			08/29/22 14:17	1
Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43	ug/L			08/29/22 14:17	1
tert-Butyl alcohol	7.2	U	40	7.2	ug/L			08/29/22 14:17	1
tert-Butylbenzene	0.48	U	1.0	0.48	ug/L			08/29/22 14:17	1
1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43	ug/L			08/29/22 14:17	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	ug/L			08/29/22 14:17	1
Tetrachloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 14:17	1
Toluene	0.44	U	1.0	0.44	ug/L			08/29/22 14:17	1
trans-1,2-Dichloroethene	0.51	U	1.0	0.51	ug/L			08/29/22 14:17	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			08/29/22 14:17	1

Client Sample ID: MSA-SW37B-082222

Lab Sample ID: 240-171981-2

Date Collected: 08/22/22 12:42
Matrix: Water
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			08/29/22 14:17	1
1,2,4-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/29/22 14:17	1
1,1,1-Trichloroethane	0.48	U	1.0	0.48	ug/L			08/29/22 14:17	1
Trichloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 14:17	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			08/29/22 14:17	1
1,2,3-Trichloropropane	0.52	U	1.0	0.52	ug/L			08/29/22 14:17	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			08/29/22 14:17	1
1,2,3-Trimethylbenzene	0.31	U	5.0	0.31	ug/L			08/29/22 14:17	1
1,2,4-Trimethylbenzene	0.52	U	1.0	0.52	ug/L			08/29/22 14:17	1
Vinyl acetate	0.61	U	2.0	0.61	ug/L			08/29/22 14:17	1
Vinyl chloride	0.45	U	1.0	0.45	ug/L			08/29/22 14:17	1
Xylenes, Total	0.42	U	2.0	0.42	ug/L			08/29/22 14:17	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/29/22 14:17*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*56 - 136*		*08/29/22 14:17*	*1*
Dibromofluoromethane (Surr)	*108*		*73 - 120*		*08/29/22 14:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*62 - 137*		*08/29/22 14:17*	*1*
Toluene-d8 (Surr)	*104*		*78 - 122*		*08/29/22 14:17*	*1*

Client Sample ID: MSA-SW37C-082222

Lab Sample ID: 240-171981-3

Date Collected: 08/22/22 12:44
Matrix: Water
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.4	U	10	5.4	ug/L			08/29/22 14:40	1
Benzene	0.42	U	1.0	0.42	ug/L			08/29/22 14:40	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			08/29/22 14:40	1
Bromochloromethane	0.54	U	1.0	0.54	ug/L			08/29/22 14:40	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			08/29/22 14:40	1
Bromoform	0.76	U	1.0	0.76	ug/L			08/29/22 14:40	1
Bromomethane	0.42	U	1.0	0.42	ug/L			08/29/22 14:40	1
2-Butanone	1.2	U	10	1.2	ug/L			08/29/22 14:40	1
Carbon disulfide	0.59	U	1.0	0.59	ug/L			08/29/22 14:40	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			08/29/22 14:40	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			08/29/22 14:40	1
Chloroethane	0.83	U	1.0	0.83	ug/L			08/29/22 14:40	1
2-Chloroethyl vinyl ether	1.5	U	10	1.5	ug/L			08/29/22 14:40	1
Chloroform	0.47	U	1.0	0.47	ug/L			08/29/22 14:40	1
Chloromethane	0.63	U	1.0	0.63	ug/L			08/29/22 14:40	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			08/29/22 14:40	1
4-Chlorotoluene	0.43	U	1.0	0.43	ug/L			08/29/22 14:40	1
cis-1,2-Dichloroethene	0.46	U	1.0	0.46	ug/L			08/29/22 14:40	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			08/29/22 14:40	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			08/29/22 14:40	1
1,2-Dibromo-3-Chloropropane	0.91	U	2.0	0.91	ug/L			08/29/22 14:40	1
1,2-Dibromoethane	0.41	U	1.0	0.41	ug/L			08/29/22 14:40	1

Client Sample ID: MSA-SW37C-082222

Date Collected: 08/22/22 12:44
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	0.40	U	1.0	0.40	ug/L			08/29/22 14:40	1
1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L			08/29/22 14:40	1
1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L			08/29/22 14:40	1
1,4-Dichlorobenzene	0.41	U	1.0	0.41	ug/L			08/29/22 14:40	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			08/29/22 14:40	1
1,1-Dichloroethane	0.47	U	1.0	0.47	ug/L			08/29/22 14:40	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			08/29/22 14:40	1
1,1-Dichloroethene	0.49	U	1.0	0.49	ug/L			08/29/22 14:40	1
1,2-Dichloropropane	0.47	U	1.0	0.47	ug/L			08/29/22 14:40	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			08/29/22 14:40	1
2,2-Dichloropropane	0.78	U	1.0	0.78	ug/L			08/29/22 14:40	1
1,1-Dichloropropene	0.36	U	1.0	0.36	ug/L			08/29/22 14:40	1
Diisopropyl ether	0.17	U	10	0.17	ug/L			08/29/22 14:40	1
Ethylbenzene	0.42	U	1.0	0.42	ug/L			08/29/22 14:40	1
Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40	ug/L			08/29/22 14:40	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			08/29/22 14:40	1
2-Hexanone	1.1	U	10	1.1	ug/L			08/29/22 14:40	1
Isopropylbenzene	0.49	U	1.0	0.49	ug/L			08/29/22 14:40	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			08/29/22 14:40	1
4-Methyl-2-pentanone	0.99	U	10	0.99	ug/L			08/29/22 14:40	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			08/29/22 14:40	1
m-Xylene & p-Xylene	0.42	U	2.0	0.42	ug/L			08/29/22 14:40	1
Naphthalene	0.80	U	1.0	0.80	ug/L			08/29/22 14:40	1
n-Butylbenzene	0.60	U	1.0	0.60	ug/L			08/29/22 14:40	1
n-Propylbenzene	0.57	U	1.0	0.57	ug/L			08/29/22 14:40	1
o-Xylene	0.42	U	1.0	0.42	ug/L			08/29/22 14:40	1
p-Isopropyltoluene	0.56	U	1.0	0.56	ug/L			08/29/22 14:40	1
sec-Butylbenzene	0.53	U	1.0	0.53	ug/L			08/29/22 14:40	1
Styrene	0.45	U	1.0	0.45	ug/L			08/29/22 14:40	1
Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43	ug/L			08/29/22 14:40	1
tert-Butyl alcohol	7.2	U	40	7.2	ug/L			08/29/22 14:40	1
tert-Butylbenzene	0.48	U	1.0	0.48	ug/L			08/29/22 14:40	1
1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43	ug/L			08/29/22 14:40	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	ug/L			08/29/22 14:40	1
Tetrachloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 14:40	1
Toluene	0.44	U	1.0	0.44	ug/L			08/29/22 14:40	1
trans-1,2-Dichloroethene	0.51	U	1.0	0.51	ug/L			08/29/22 14:40	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			08/29/22 14:40	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			08/29/22 14:40	1
1,2,4-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/29/22 14:40	1
1,1,1-Trichloroethane	0.48	U	1.0	0.48	ug/L			08/29/22 14:40	1
Trichloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 14:40	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			08/29/22 14:40	1
1,2,3-Trichloropropane	0.52	U	1.0	0.52	ug/L			08/29/22 14:40	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			08/29/22 14:40	1
1,2,3-Trimethylbenzene	0.31	U	5.0	0.31	ug/L			08/29/22 14:40	1
1,2,4-Trimethylbenzene	0.52	U	1.0	0.52	ug/L			08/29/22 14:40	1
Vinyl acetate	0.61	U	2.0	0.61	ug/L			08/29/22 14:40	1
Vinyl chloride	0.45	U	1.0	0.45	ug/L			08/29/22 14:40	1

Client Sample ID: MSA-SW37C-082222

Lab Sample ID: 240-171981-3

Date Collected: 08/22/22 12:44
Matrix: Water
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.42	U	2.0	0.42	ug/L			08/29/22 14:40	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/29/22 14:40*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*56 - 136*		*08/29/22 14:40*	*1*
Dibromofluoromethane (Surr)	*108*		*73 - 120*		*08/29/22 14:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*62 - 137*		*08/29/22 14:40*	*1*
Toluene-d8 (Surr)	*102*		*78 - 122*		*08/29/22 14:40*	*1*

Client Sample ID: MSA-SW37D-082222

Lab Sample ID: 240-171981-4

Date Collected: 08/22/22 12:47
Matrix: Water
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.4	U	10	5.4	ug/L			08/29/22 15:04	1
Benzene	0.42	U	1.0	0.42	ug/L			08/29/22 15:04	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			08/29/22 15:04	1
Bromochloromethane	0.54	U	1.0	0.54	ug/L			08/29/22 15:04	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			08/29/22 15:04	1
Bromoform	0.76	U	1.0	0.76	ug/L			08/29/22 15:04	1
Bromomethane	0.42	U	1.0	0.42	ug/L			08/29/22 15:04	1
2-Butanone	1.2	U	10	1.2	ug/L			08/29/22 15:04	1
Carbon disulfide	0.59	U	1.0	0.59	ug/L			08/29/22 15:04	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			08/29/22 15:04	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			08/29/22 15:04	1
Chloroethane	0.83	U	1.0	0.83	ug/L			08/29/22 15:04	1
2-Chloroethyl vinyl ether	1.5	U	10	1.5	ug/L			08/29/22 15:04	1
Chloroform	0.47	U	1.0	0.47	ug/L			08/29/22 15:04	1
Chloromethane	0.63	U	1.0	0.63	ug/L			08/29/22 15:04	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			08/29/22 15:04	1
4-Chlorotoluene	0.43	U	1.0	0.43	ug/L			08/29/22 15:04	1
cis-1,2-Dichloroethene	0.46	U	1.0	0.46	ug/L			08/29/22 15:04	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			08/29/22 15:04	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			08/29/22 15:04	1
1,2-Dibromo-3-Chloropropane	0.91	U	2.0	0.91	ug/L			08/29/22 15:04	1
1,2-Dibromoethane	0.41	U	1.0	0.41	ug/L			08/29/22 15:04	1
Dibromomethane	0.40	U	1.0	0.40	ug/L			08/29/22 15:04	1
1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L			08/29/22 15:04	1
1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L			08/29/22 15:04	1
1,4-Dichlorobenzene	0.41	U	1.0	0.41	ug/L			08/29/22 15:04	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			08/29/22 15:04	1
1,1-Dichloroethane	0.47	U	1.0	0.47	ug/L			08/29/22 15:04	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			08/29/22 15:04	1
1,1-Dichloroethene	0.49	U	1.0	0.49	ug/L			08/29/22 15:04	1
1,2-Dichloropropane	0.47	U	1.0	0.47	ug/L			08/29/22 15:04	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			08/29/22 15:04	1
2,2-Dichloropropane	0.78	U	1.0	0.78	ug/L			08/29/22 15:04	1

Client Sample ID: MSA-SW37D-082222

Date Collected: 08/22/22 12:47
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	0.36	U	1.0	0.36	ug/L			08/29/22 15:04	1
Diisopropyl ether	0.17	U	10	0.17	ug/L			08/29/22 15:04	1
Ethylbenzene	0.42	U	1.0	0.42	ug/L			08/29/22 15:04	1
Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40	ug/L			08/29/22 15:04	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			08/29/22 15:04	1
2-Hexanone	1.1	U	10	1.1	ug/L			08/29/22 15:04	1
Isopropylbenzene	0.49	U	1.0	0.49	ug/L			08/29/22 15:04	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			08/29/22 15:04	1
4-Methyl-2-pentanone	0.99	U	10	0.99	ug/L			08/29/22 15:04	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			08/29/22 15:04	1
m-Xylene & p-Xylene	0.42	U	2.0	0.42	ug/L			08/29/22 15:04	1
Naphthalene	0.80	U	1.0	0.80	ug/L			08/29/22 15:04	1
n-Butylbenzene	0.60	U	1.0	0.60	ug/L			08/29/22 15:04	1
n-Propylbenzene	0.57	U	1.0	0.57	ug/L			08/29/22 15:04	1
o-Xylene	0.42	U	1.0	0.42	ug/L			08/29/22 15:04	1
p-Isopropyltoluene	0.56	U	1.0	0.56	ug/L			08/29/22 15:04	1
sec-Butylbenzene	0.53	U	1.0	0.53	ug/L			08/29/22 15:04	1
Styrene	0.45	U	1.0	0.45	ug/L			08/29/22 15:04	1
Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43	ug/L			08/29/22 15:04	1
tert-Butyl alcohol	7.2	U	40	7.2	ug/L			08/29/22 15:04	1
tert-Butylbenzene	0.48	U	1.0	0.48	ug/L			08/29/22 15:04	1
1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43	ug/L			08/29/22 15:04	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	ug/L			08/29/22 15:04	1
Tetrachloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 15:04	1
Toluene	0.44	U	1.0	0.44	ug/L			08/29/22 15:04	1
trans-1,2-Dichloroethene	0.51	U	1.0	0.51	ug/L			08/29/22 15:04	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			08/29/22 15:04	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			08/29/22 15:04	1
1,2,4-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/29/22 15:04	1
1,1,1-Trichloroethane	0.48	U	1.0	0.48	ug/L			08/29/22 15:04	1
Trichloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 15:04	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			08/29/22 15:04	1
1,2,3-Trichloropropane	0.52	U	1.0	0.52	ug/L			08/29/22 15:04	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			08/29/22 15:04	1
1,2,3-Trimethylbenzene	0.31	U	5.0	0.31	ug/L			08/29/22 15:04	1
1,2,4-Trimethylbenzene	0.52	U	1.0	0.52	ug/L			08/29/22 15:04	1
Vinyl acetate	0.61	U	2.0	0.61	ug/L			08/29/22 15:04	1
Vinyl chloride	0.45	U	1.0	0.45	ug/L			08/29/22 15:04	1
Xylenes, Total	0.42	U	2.0	0.42	ug/L			08/29/22 15:04	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*		*08/29/22 15:04*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*56 - 136*		*08/29/22 15:04*	*1*
Dibromofluoromethane (Surr)	*108*		*73 - 120*		*08/29/22 15:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*62 - 137*		*08/29/22 15:04*	*1*
Toluene-d8 (Surr)	*103*		*78 - 122*		*08/29/22 15:04*	*1*

Client Sample ID: MSA-SW38A-082222

Date Collected: 08/22/22 11:53
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.4	U	10	5.4	ug/L			08/29/22 15:27	1
Benzene	0.42	U	1.0	0.42	ug/L			08/29/22 15:27	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			08/29/22 15:27	1
Bromochloromethane	0.54	U	1.0	0.54	ug/L			08/29/22 15:27	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			08/29/22 15:27	1
Bromoform	0.76	U	1.0	0.76	ug/L			08/29/22 15:27	1
Bromomethane	0.42	U	1.0	0.42	ug/L			08/29/22 15:27	1
2-Butanone	1.2	U	10	1.2	ug/L			08/29/22 15:27	1
Carbon disulfide	0.59	U	1.0	0.59	ug/L			08/29/22 15:27	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			08/29/22 15:27	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			08/29/22 15:27	1
Chloroethane	0.83	U	1.0	0.83	ug/L			08/29/22 15:27	1
2-Chloroethyl vinyl ether	1.5	U	10	1.5	ug/L			08/29/22 15:27	1
Chloroform	0.47	U	1.0	0.47	ug/L			08/29/22 15:27	1
Chloromethane	0.63	U	1.0	0.63	ug/L			08/29/22 15:27	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			08/29/22 15:27	1
4-Chlorotoluene	0.43	U	1.0	0.43	ug/L			08/29/22 15:27	1
cis-1,2-Dichloroethene	0.46	U	1.0	0.46	ug/L			08/29/22 15:27	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			08/29/22 15:27	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			08/29/22 15:27	1
1,2-Dibromo-3-Chloropropane	0.91	U	2.0	0.91	ug/L			08/29/22 15:27	1
1,2-Dibromoethane	0.41	U	1.0	0.41	ug/L			08/29/22 15:27	1
Dibromomethane	0.40	U	1.0	0.40	ug/L			08/29/22 15:27	1
1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L			08/29/22 15:27	1
1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L			08/29/22 15:27	1
1,4-Dichlorobenzene	0.41	U	1.0	0.41	ug/L			08/29/22 15:27	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			08/29/22 15:27	1
1,1-Dichloroethane	0.47	U	1.0	0.47	ug/L			08/29/22 15:27	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			08/29/22 15:27	1
1,1-Dichloroethene	0.49	U	1.0	0.49	ug/L			08/29/22 15:27	1
1,2-Dichloropropane	0.47	U	1.0	0.47	ug/L			08/29/22 15:27	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			08/29/22 15:27	1
2,2-Dichloropropane	0.78	U	1.0	0.78	ug/L			08/29/22 15:27	1
1,1-Dichloropropene	0.36	U	1.0	0.36	ug/L			08/29/22 15:27	1
Diisopropyl ether	0.17	U	10	0.17	ug/L			08/29/22 15:27	1
Ethylbenzene	0.42	U	1.0	0.42	ug/L			08/29/22 15:27	1
Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40	ug/L			08/29/22 15:27	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			08/29/22 15:27	1
2-Hexanone	1.1	U	10	1.1	ug/L			08/29/22 15:27	1
Isopropylbenzene	0.49	U	1.0	0.49	ug/L			08/29/22 15:27	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			08/29/22 15:27	1
4-Methyl-2-pentanone	0.99	U	10	0.99	ug/L			08/29/22 15:27	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			08/29/22 15:27	1
m-Xylene & p-Xylene	0.42	U	2.0	0.42	ug/L			08/29/22 15:27	1
Naphthalene	0.80	U	1.0	0.80	ug/L			08/29/22 15:27	1
n-Butylbenzene	0.60	U	1.0	0.60	ug/L			08/29/22 15:27	1
n-Propylbenzene	0.57	U	1.0	0.57	ug/L			08/29/22 15:27	1
o-Xylene	0.42	U	1.0	0.42	ug/L			08/29/22 15:27	1
p-Isopropyltoluene	0.56	U	1.0	0.56	ug/L			08/29/22 15:27	1

Client Sample ID: MSA-SW38A-082222 Lab Sample ID: 240-171981-5

Date Collected: 08/22/22 11:53 **Matrix: Water**
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	0.53	U	1.0	0.53	ug/L			08/29/22 15:27	1
Styrene	0.45	U	1.0	0.45	ug/L			08/29/22 15:27	1
Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43	ug/L			08/29/22 15:27	1
tert-Butyl alcohol	7.2	U	40	7.2	ug/L			08/29/22 15:27	1
tert-Butylbenzene	0.48	U	1.0	0.48	ug/L			08/29/22 15:27	1
1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43	ug/L			08/29/22 15:27	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	ug/L			08/29/22 15:27	1
Tetrachloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 15:27	1
Toluene	0.44	U	1.0	0.44	ug/L			08/29/22 15:27	1
trans-1,2-Dichloroethene	0.51	U	1.0	0.51	ug/L			08/29/22 15:27	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			08/29/22 15:27	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			08/29/22 15:27	1
1,2,4-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/29/22 15:27	1
1,1,1-Trichloroethane	0.48	U	1.0	0.48	ug/L			08/29/22 15:27	1
Trichloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 15:27	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			08/29/22 15:27	1
1,2,3-Trichloropropane	0.52	U	1.0	0.52	ug/L			08/29/22 15:27	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			08/29/22 15:27	1
1,2,3-Trimethylbenzene	0.31	U	5.0	0.31	ug/L			08/29/22 15:27	1
1,2,4-Trimethylbenzene	0.52	U	1.0	0.52	ug/L			08/29/22 15:27	1
Vinyl acetate	0.61	U	2.0	0.61	ug/L			08/29/22 15:27	1
Vinyl chloride	0.45	U	1.0	0.45	ug/L			08/29/22 15:27	1
Xylenes, Total	0.42	U	2.0	0.42	ug/L			08/29/22 15:27	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/29/22 15:27*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*56 - 136*		*08/29/22 15:27*	*1*
Dibromofluoromethane (Surr)	*108*		*73 - 120*		*08/29/22 15:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*62 - 137*		*08/29/22 15:27*	*1*
Toluene-d8 (Surr)	*103*		*78 - 122*		*08/29/22 15:27*	*1*

Client Sample ID: MSA-SW38B-082222 Lab Sample ID: 240-171981-6

Date Collected: 08/22/22 11:55 **Matrix: Water**
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.4	U	10	5.4	ug/L			08/29/22 15:51	1
Benzene	0.42	U	1.0	0.42	ug/L			08/29/22 15:51	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			08/29/22 15:51	1
Bromochloromethane	0.54	U	1.0	0.54	ug/L			08/29/22 15:51	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			08/29/22 15:51	1
Bromoform	0.76	U	1.0	0.76	ug/L			08/29/22 15:51	1
Bromomethane	0.42	U	1.0	0.42	ug/L			08/29/22 15:51	1
2-Butanone	1.2	U	10	1.2	ug/L			08/29/22 15:51	1
Carbon disulfide	0.59	U	1.0	0.59	ug/L			08/29/22 15:51	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			08/29/22 15:51	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			08/29/22 15:51	1

Client Sample ID: MSA-SW38B-082222

Date Collected: 08/22/22 11:55
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	0.83	U	1.0	0.83	ug/L			08/29/22 15:51	1
2-Chloroethyl vinyl ether	1.5	U	10	1.5	ug/L			08/29/22 15:51	1
Chloroform	0.47	U	1.0	0.47	ug/L			08/29/22 15:51	1
Chloromethane	0.63	U	1.0	0.63	ug/L			08/29/22 15:51	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			08/29/22 15:51	1
4-Chlorotoluene	0.43	U	1.0	0.43	ug/L			08/29/22 15:51	1
cis-1,2-Dichloroethene	0.46	U	1.0	0.46	ug/L			08/29/22 15:51	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			08/29/22 15:51	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			08/29/22 15:51	1
1,2-Dibromo-3-Chloropropane	0.91	U	2.0	0.91	ug/L			08/29/22 15:51	1
1,2-Dibromoethane	0.41	U	1.0	0.41	ug/L			08/29/22 15:51	1
Dibromomethane	0.40	U	1.0	0.40	ug/L			08/29/22 15:51	1
1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L			08/29/22 15:51	1
1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L			08/29/22 15:51	1
1,4-Dichlorobenzene	0.41	U	1.0	0.41	ug/L			08/29/22 15:51	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			08/29/22 15:51	1
1,1-Dichloroethane	0.47	U	1.0	0.47	ug/L			08/29/22 15:51	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			08/29/22 15:51	1
1,1-Dichloroethene	0.49	U	1.0	0.49	ug/L			08/29/22 15:51	1
1,2-Dichloropropane	0.47	U	1.0	0.47	ug/L			08/29/22 15:51	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			08/29/22 15:51	1
2,2-Dichloropropane	0.78	U	1.0	0.78	ug/L			08/29/22 15:51	1
1,1-Dichloropropene	0.36	U	1.0	0.36	ug/L			08/29/22 15:51	1
Diisopropyl ether	0.17	U	10	0.17	ug/L			08/29/22 15:51	1
Ethylbenzene	0.42	U	1.0	0.42	ug/L			08/29/22 15:51	1
Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40	ug/L			08/29/22 15:51	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			08/29/22 15:51	1
2-Hexanone	1.1	U	10	1.1	ug/L			08/29/22 15:51	1
Isopropylbenzene	0.49	U	1.0	0.49	ug/L			08/29/22 15:51	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			08/29/22 15:51	1
4-Methyl-2-pentanone	0.99	U	10	0.99	ug/L			08/29/22 15:51	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			08/29/22 15:51	1
m-Xylene & p-Xylene	0.42	U	2.0	0.42	ug/L			08/29/22 15:51	1
Naphthalene	0.80	U	1.0	0.80	ug/L			08/29/22 15:51	1
n-Butylbenzene	0.60	U	1.0	0.60	ug/L			08/29/22 15:51	1
n-Propylbenzene	0.57	U	1.0	0.57	ug/L			08/29/22 15:51	1
o-Xylene	0.42	U	1.0	0.42	ug/L			08/29/22 15:51	1
p-Isopropyltoluene	0.56	U	1.0	0.56	ug/L			08/29/22 15:51	1
sec-Butylbenzene	0.53	U	1.0	0.53	ug/L			08/29/22 15:51	1
Styrene	0.45	U	1.0	0.45	ug/L			08/29/22 15:51	1
Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43	ug/L			08/29/22 15:51	1
tert-Butyl alcohol	7.2	U	40	7.2	ug/L			08/29/22 15:51	1
tert-Butylbenzene	0.48	U	1.0	0.48	ug/L			08/29/22 15:51	1
1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43	ug/L			08/29/22 15:51	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	ug/L			08/29/22 15:51	1
Tetrachloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 15:51	1
Toluene	0.44	U	1.0	0.44	ug/L			08/29/22 15:51	1
trans-1,2-Dichloroethene	0.51	U	1.0	0.51	ug/L			08/29/22 15:51	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			08/29/22 15:51	1

Client Sample ID: MSA-SW38B-082222

Lab Sample ID: 240-171981-6

Date Collected: 08/22/22 11:55
Matrix: Water
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			08/29/22 15:51	1
1,2,4-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/29/22 15:51	1
1,1,1-Trichloroethane	0.48	U	1.0	0.48	ug/L			08/29/22 15:51	1
Trichloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 15:51	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			08/29/22 15:51	1
1,2,3-Trichloropropane	0.52	U	1.0	0.52	ug/L			08/29/22 15:51	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			08/29/22 15:51	1
1,2,3-Trimethylbenzene	0.31	U	5.0	0.31	ug/L			08/29/22 15:51	1
1,2,4-Trimethylbenzene	0.52	U	1.0	0.52	ug/L			08/29/22 15:51	1
Vinyl acetate	0.61	U	2.0	0.61	ug/L			08/29/22 15:51	1
Vinyl chloride	0.45	U	1.0	0.45	ug/L			08/29/22 15:51	1
Xylenes, Total	0.42	U	2.0	0.42	ug/L			08/29/22 15:51	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/29/22 15:51*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*56 - 136*		*08/29/22 15:51*	*1*
Dibromofluoromethane (Surr)	*108*		*73 - 120*		*08/29/22 15:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*62 - 137*		*08/29/22 15:51*	*1*
Toluene-d8 (Surr)	*102*		*78 - 122*		*08/29/22 15:51*	*1*

Client Sample ID: MSA-SW38C-082222

Lab Sample ID: 240-171981-7

Date Collected: 08/22/22 11:58
Matrix: Water
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.4	U	10	5.4	ug/L			08/29/22 16:15	1
Benzene	0.42	U	1.0	0.42	ug/L			08/29/22 16:15	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			08/29/22 16:15	1
Bromochloromethane	0.54	U	1.0	0.54	ug/L			08/29/22 16:15	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			08/29/22 16:15	1
Bromoform	0.76	U	1.0	0.76	ug/L			08/29/22 16:15	1
Bromomethane	0.42	U	1.0	0.42	ug/L			08/29/22 16:15	1
2-Butanone	1.2	U	10	1.2	ug/L			08/29/22 16:15	1
Carbon disulfide	0.59	U	1.0	0.59	ug/L			08/29/22 16:15	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			08/29/22 16:15	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			08/29/22 16:15	1
Chloroethane	0.83	U	1.0	0.83	ug/L			08/29/22 16:15	1
2-Chloroethyl vinyl ether	1.5	U	10	1.5	ug/L			08/29/22 16:15	1
Chloroform	0.47	U	1.0	0.47	ug/L			08/29/22 16:15	1
Chloromethane	0.63	U	1.0	0.63	ug/L			08/29/22 16:15	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			08/29/22 16:15	1
4-Chlorotoluene	0.43	U	1.0	0.43	ug/L			08/29/22 16:15	1
cis-1,2-Dichloroethene	0.46	U	1.0	0.46	ug/L			08/29/22 16:15	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			08/29/22 16:15	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			08/29/22 16:15	1
1,2-Dibromo-3-Chloropropane	0.91	U	2.0	0.91	ug/L			08/29/22 16:15	1
1,2-Dibromoethane	0.41	U	1.0	0.41	ug/L			08/29/22 16:15	1

Client Sample ID: MSA-SW38C-082222

Date Collected: 08/22/22 11:58
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	0.40	U	1.0	0.40	ug/L			08/29/22 16:15	1
1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L			08/29/22 16:15	1
1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L			08/29/22 16:15	1
1,4-Dichlorobenzene	0.41	U	1.0	0.41	ug/L			08/29/22 16:15	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			08/29/22 16:15	1
1,1-Dichloroethane	0.47	U	1.0	0.47	ug/L			08/29/22 16:15	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			08/29/22 16:15	1
1,1-Dichloroethene	0.49	U	1.0	0.49	ug/L			08/29/22 16:15	1
1,2-Dichloropropane	0.47	U	1.0	0.47	ug/L			08/29/22 16:15	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			08/29/22 16:15	1
2,2-Dichloropropane	0.78	U	1.0	0.78	ug/L			08/29/22 16:15	1
1,1-Dichloropropene	0.36	U	1.0	0.36	ug/L			08/29/22 16:15	1
Diisopropyl ether	0.17	U	10	0.17	ug/L			08/29/22 16:15	1
Ethylbenzene	0.42	U	1.0	0.42	ug/L			08/29/22 16:15	1
Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40	ug/L			08/29/22 16:15	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			08/29/22 16:15	1
2-Hexanone	1.1	U	10	1.1	ug/L			08/29/22 16:15	1
Isopropylbenzene	0.49	U	1.0	0.49	ug/L			08/29/22 16:15	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			08/29/22 16:15	1
4-Methyl-2-pentanone	0.99	U	10	0.99	ug/L			08/29/22 16:15	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			08/29/22 16:15	1
m-Xylene & p-Xylene	0.42	U	2.0	0.42	ug/L			08/29/22 16:15	1
Naphthalene	0.80	U	1.0	0.80	ug/L			08/29/22 16:15	1
n-Butylbenzene	0.60	U	1.0	0.60	ug/L			08/29/22 16:15	1
n-Propylbenzene	0.57	U	1.0	0.57	ug/L			08/29/22 16:15	1
o-Xylene	0.42	U	1.0	0.42	ug/L			08/29/22 16:15	1
p-Isopropyltoluene	0.56	U	1.0	0.56	ug/L			08/29/22 16:15	1
sec-Butylbenzene	0.53	U	1.0	0.53	ug/L			08/29/22 16:15	1
Styrene	0.45	U	1.0	0.45	ug/L			08/29/22 16:15	1
Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43	ug/L			08/29/22 16:15	1
tert-Butyl alcohol	7.2	U	40	7.2	ug/L			08/29/22 16:15	1
tert-Butylbenzene	0.48	U	1.0	0.48	ug/L			08/29/22 16:15	1
1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43	ug/L			08/29/22 16:15	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	ug/L			08/29/22 16:15	1
Tetrachloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 16:15	1
Toluene	0.44	U	1.0	0.44	ug/L			08/29/22 16:15	1
trans-1,2-Dichloroethene	0.51	U	1.0	0.51	ug/L			08/29/22 16:15	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			08/29/22 16:15	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			08/29/22 16:15	1
1,2,4-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/29/22 16:15	1
1,1,1-Trichloroethane	0.48	U	1.0	0.48	ug/L			08/29/22 16:15	1
Trichloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 16:15	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			08/29/22 16:15	1
1,2,3-Trichloropropane	0.52	U	1.0	0.52	ug/L			08/29/22 16:15	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			08/29/22 16:15	1
1,2,3-Trimethylbenzene	0.31	U	5.0	0.31	ug/L			08/29/22 16:15	1
1,2,4-Trimethylbenzene	0.52	U	1.0	0.52	ug/L			08/29/22 16:15	1
Vinyl acetate	0.61	U	2.0	0.61	ug/L			08/29/22 16:15	1
Vinyl chloride	0.45	U	1.0	0.45	ug/L			08/29/22 16:15	1

Client Sample ID: MSA-SW38C-082222

Lab Sample ID: 240-171981-7

Date Collected: 08/22/22 11:58
Matrix: Water
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.42	U	2.0	0.42	ug/L			08/29/22 16:15	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/29/22 16:15*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*56 - 136*		*08/29/22 16:15*	*1*
Dibromofluoromethane (Surr)	*107*		*73 - 120*		*08/29/22 16:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*62 - 137*		*08/29/22 16:15*	*1*
Toluene-d8 (Surr)	*102*		*78 - 122*		*08/29/22 16:15*	*1*

Client Sample ID: MSA-SW38D-082222

Lab Sample ID: 240-171981-8

Date Collected: 08/22/22 12:00
Matrix: Water
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.4	U	10	5.4	ug/L			08/29/22 16:38	1
Benzene	0.42	U	1.0	0.42	ug/L			08/29/22 16:38	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			08/29/22 16:38	1
Bromochloromethane	0.54	U	1.0	0.54	ug/L			08/29/22 16:38	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			08/29/22 16:38	1
Bromoform	0.76	U	1.0	0.76	ug/L			08/29/22 16:38	1
Bromomethane	0.42	U	1.0	0.42	ug/L			08/29/22 16:38	1
2-Butanone	1.2	U	10	1.2	ug/L			08/29/22 16:38	1
Carbon disulfide	0.59	U	1.0	0.59	ug/L			08/29/22 16:38	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			08/29/22 16:38	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			08/29/22 16:38	1
Chloroethane	0.83	U	1.0	0.83	ug/L			08/29/22 16:38	1
2-Chloroethyl vinyl ether	1.5	U	10	1.5	ug/L			08/29/22 16:38	1
Chloroform	0.47	U	1.0	0.47	ug/L			08/29/22 16:38	1
Chloromethane	0.63	U	1.0	0.63	ug/L			08/29/22 16:38	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			08/29/22 16:38	1
4-Chlorotoluene	0.43	U	1.0	0.43	ug/L			08/29/22 16:38	1
cis-1,2-Dichloroethene	0.46	U	1.0	0.46	ug/L			08/29/22 16:38	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			08/29/22 16:38	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			08/29/22 16:38	1
1,2-Dibromo-3-Chloropropane	0.91	U	2.0	0.91	ug/L			08/29/22 16:38	1
1,2-Dibromoethane	0.41	U	1.0	0.41	ug/L			08/29/22 16:38	1
Dibromomethane	0.40	U	1.0	0.40	ug/L			08/29/22 16:38	1
1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L			08/29/22 16:38	1
1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L			08/29/22 16:38	1
1,4-Dichlorobenzene	0.41	U	1.0	0.41	ug/L			08/29/22 16:38	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			08/29/22 16:38	1
1,1-Dichloroethane	0.47	U	1.0	0.47	ug/L			08/29/22 16:38	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			08/29/22 16:38	1
1,1-Dichloroethene	0.49	U	1.0	0.49	ug/L			08/29/22 16:38	1
1,2-Dichloropropane	0.47	U	1.0	0.47	ug/L			08/29/22 16:38	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			08/29/22 16:38	1
2,2-Dichloropropane	0.78	U	1.0	0.78	ug/L			08/29/22 16:38	1

Client Sample ID: MSA-SW38D-082222

Date Collected: 08/22/22 12:00
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	0.36	U	1.0	0.36	ug/L			08/29/22 16:38	1
Diisopropyl ether	0.17	U	10	0.17	ug/L			08/29/22 16:38	1
Ethylbenzene	0.42	U	1.0	0.42	ug/L			08/29/22 16:38	1
Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40	ug/L			08/29/22 16:38	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			08/29/22 16:38	1
2-Hexanone	1.1	U	10	1.1	ug/L			08/29/22 16:38	1
Isopropylbenzene	0.49	U	1.0	0.49	ug/L			08/29/22 16:38	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			08/29/22 16:38	1
4-Methyl-2-pentanone	0.99	U	10	0.99	ug/L			08/29/22 16:38	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			08/29/22 16:38	1
m-Xylene & p-Xylene	0.42	U	2.0	0.42	ug/L			08/29/22 16:38	1
Naphthalene	0.80	U	1.0	0.80	ug/L			08/29/22 16:38	1
n-Butylbenzene	0.60	U	1.0	0.60	ug/L			08/29/22 16:38	1
n-Propylbenzene	0.57	U	1.0	0.57	ug/L			08/29/22 16:38	1
o-Xylene	0.42	U	1.0	0.42	ug/L			08/29/22 16:38	1
p-Isopropyltoluene	0.56	U	1.0	0.56	ug/L			08/29/22 16:38	1
sec-Butylbenzene	0.53	U	1.0	0.53	ug/L			08/29/22 16:38	1
Styrene	0.45	U	1.0	0.45	ug/L			08/29/22 16:38	1
Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43	ug/L			08/29/22 16:38	1
tert-Butyl alcohol	7.2	U	40	7.2	ug/L			08/29/22 16:38	1
tert-Butylbenzene	0.48	U	1.0	0.48	ug/L			08/29/22 16:38	1
1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43	ug/L			08/29/22 16:38	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	ug/L			08/29/22 16:38	1
Tetrachloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 16:38	1
Toluene	0.44	U	1.0	0.44	ug/L			08/29/22 16:38	1
trans-1,2-Dichloroethene	0.51	U	1.0	0.51	ug/L			08/29/22 16:38	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			08/29/22 16:38	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			08/29/22 16:38	1
1,2,4-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/29/22 16:38	1
1,1,1-Trichloroethane	0.48	U	1.0	0.48	ug/L			08/29/22 16:38	1
Trichloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 16:38	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			08/29/22 16:38	1
1,2,3-Trichloropropane	0.52	U	1.0	0.52	ug/L			08/29/22 16:38	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			08/29/22 16:38	1
1,2,3-Trimethylbenzene	0.31	U	5.0	0.31	ug/L			08/29/22 16:38	1
1,2,4-Trimethylbenzene	0.52	U	1.0	0.52	ug/L			08/29/22 16:38	1
Vinyl acetate	0.61	U	2.0	0.61	ug/L			08/29/22 16:38	1
Vinyl chloride	0.45	U	1.0	0.45	ug/L			08/29/22 16:38	1
Xylenes, Total	0.42	U	2.0	0.42	ug/L			08/29/22 16:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/29/22 16:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*56 - 136*		*08/29/22 16:38*	*1*
Dibromofluoromethane (Surr)	*107*		*73 - 120*		*08/29/22 16:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*62 - 137*		*08/29/22 16:38*	*1*
Toluene-d8 (Surr)	*100*		*78 - 122*		*08/29/22 16:38*	*1*

Client Sample ID: MSA-SW40A-082222

Date Collected: 08/22/22 12:11
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.4	U	10	5.4	ug/L			08/29/22 17:02	1
Benzene	0.42	U	1.0	0.42	ug/L			08/29/22 17:02	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			08/29/22 17:02	1
Bromochloromethane	0.54	U	1.0	0.54	ug/L			08/29/22 17:02	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			08/29/22 17:02	1
Bromoform	0.76	U	1.0	0.76	ug/L			08/29/22 17:02	1
Bromomethane	0.42	U	1.0	0.42	ug/L			08/29/22 17:02	1
2-Butanone	1.2	U	10	1.2	ug/L			08/29/22 17:02	1
Carbon disulfide	0.59	U	1.0	0.59	ug/L			08/29/22 17:02	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			08/29/22 17:02	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			08/29/22 17:02	1
Chloroethane	0.83	U	1.0	0.83	ug/L			08/29/22 17:02	1
2-Chloroethyl vinyl ether	1.5	U	10	1.5	ug/L			08/29/22 17:02	1
Chloroform	0.47	U	1.0	0.47	ug/L			08/29/22 17:02	1
Chloromethane	0.63	U	1.0	0.63	ug/L			08/29/22 17:02	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			08/29/22 17:02	1
4-Chlorotoluene	0.43	U	1.0	0.43	ug/L			08/29/22 17:02	1
cis-1,2-Dichloroethene	0.46	U	1.0	0.46	ug/L			08/29/22 17:02	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			08/29/22 17:02	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			08/29/22 17:02	1
1,2-Dibromo-3-Chloropropane	0.91	U	2.0	0.91	ug/L			08/29/22 17:02	1
1,2-Dibromoethane	0.41	U	1.0	0.41	ug/L			08/29/22 17:02	1
Dibromomethane	0.40	U	1.0	0.40	ug/L			08/29/22 17:02	1
1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L			08/29/22 17:02	1
1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L			08/29/22 17:02	1
1,4-Dichlorobenzene	0.41	U	1.0	0.41	ug/L			08/29/22 17:02	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			08/29/22 17:02	1
1,1-Dichloroethane	0.47	U	1.0	0.47	ug/L			08/29/22 17:02	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			08/29/22 17:02	1
1,1-Dichloroethene	0.49	U	1.0	0.49	ug/L			08/29/22 17:02	1
1,2-Dichloropropane	0.47	U	1.0	0.47	ug/L			08/29/22 17:02	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			08/29/22 17:02	1
2,2-Dichloropropane	0.78	U	1.0	0.78	ug/L			08/29/22 17:02	1
1,1-Dichloropropene	0.36	U	1.0	0.36	ug/L			08/29/22 17:02	1
Diisopropyl ether	0.17	U	10	0.17	ug/L			08/29/22 17:02	1
Ethylbenzene	0.42	U	1.0	0.42	ug/L			08/29/22 17:02	1
Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40	ug/L			08/29/22 17:02	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			08/29/22 17:02	1
2-Hexanone	1.1	U	10	1.1	ug/L			08/29/22 17:02	1
Isopropylbenzene	0.49	U	1.0	0.49	ug/L			08/29/22 17:02	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			08/29/22 17:02	1
4-Methyl-2-pentanone	0.99	U	10	0.99	ug/L			08/29/22 17:02	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			08/29/22 17:02	1
m-Xylene & p-Xylene	0.42	U	2.0	0.42	ug/L			08/29/22 17:02	1
Naphthalene	0.80	U	1.0	0.80	ug/L			08/29/22 17:02	1
n-Butylbenzene	0.60	U	1.0	0.60	ug/L			08/29/22 17:02	1
n-Propylbenzene	0.57	U	1.0	0.57	ug/L			08/29/22 17:02	1
o-Xylene	0.42	U	1.0	0.42	ug/L			08/29/22 17:02	1
p-Isopropyltoluene	0.56	U	1.0	0.56	ug/L			08/29/22 17:02	1

Client Sample ID: MSA-SW40A-082222

Lab Sample ID: 240-171981-9

Date Collected: 08/22/22 12:11
Matrix: Water
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	0.53	U	1.0	0.53	ug/L			08/29/22 17:02	1
Styrene	0.45	U	1.0	0.45	ug/L			08/29/22 17:02	1
Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43	ug/L			08/29/22 17:02	1
tert-Butyl alcohol	7.2	U	40	7.2	ug/L			08/29/22 17:02	1
tert-Butylbenzene	0.48	U	1.0	0.48	ug/L			08/29/22 17:02	1
1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43	ug/L			08/29/22 17:02	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	ug/L			08/29/22 17:02	1
Tetrachloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 17:02	1
Toluene	0.44	U	1.0	0.44	ug/L			08/29/22 17:02	1
trans-1,2-Dichloroethene	0.51	U	1.0	0.51	ug/L			08/29/22 17:02	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			08/29/22 17:02	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			08/29/22 17:02	1
1,2,4-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/29/22 17:02	1
1,1,1-Trichloroethane	0.48	U	1.0	0.48	ug/L			08/29/22 17:02	1
Trichloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 17:02	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			08/29/22 17:02	1
1,2,3-Trichloropropane	0.52	U	1.0	0.52	ug/L			08/29/22 17:02	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			08/29/22 17:02	1
1,2,3-Trimethylbenzene	0.31	U	5.0	0.31	ug/L			08/29/22 17:02	1
1,2,4-Trimethylbenzene	0.52	U	1.0	0.52	ug/L			08/29/22 17:02	1
Vinyl acetate	0.61	U	2.0	0.61	ug/L			08/29/22 17:02	1
Vinyl chloride	0.45	U	1.0	0.45	ug/L			08/29/22 17:02	1
Xylenes, Total	0.42	U	2.0	0.42	ug/L			08/29/22 17:02	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*		*08/29/22 17:02*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*56 - 136*		*08/29/22 17:02*	*1*
Dibromofluoromethane (Surr)	*104*		*73 - 120*		*08/29/22 17:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*62 - 137*		*08/29/22 17:02*	*1*
Toluene-d8 (Surr)	*101*		*78 - 122*		*08/29/22 17:02*	*1*

Client Sample ID: MSA-SW40B-082222

Lab Sample ID: 240-171981-10

Date Collected: 08/22/22 12:14
Matrix: Water
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.4	U	10	5.4	ug/L			08/29/22 17:26	1
Benzene	0.42	U	1.0	0.42	ug/L			08/29/22 17:26	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			08/29/22 17:26	1
Bromochloromethane	0.54	U	1.0	0.54	ug/L			08/29/22 17:26	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			08/29/22 17:26	1
Bromoform	0.76	U	1.0	0.76	ug/L			08/29/22 17:26	1
Bromomethane	0.42	U	1.0	0.42	ug/L			08/29/22 17:26	1
2-Butanone	1.2	U	10	1.2	ug/L			08/29/22 17:26	1
Carbon disulfide	0.59	U	1.0	0.59	ug/L			08/29/22 17:26	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			08/29/22 17:26	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			08/29/22 17:26	1

Client Sample ID: MSA-SW40B-082222

Date Collected: 08/22/22 12:14
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	0.83	U	1.0	0.83	ug/L			08/29/22 17:26	1
2-Chloroethyl vinyl ether	1.5	U	10	1.5	ug/L			08/29/22 17:26	1
Chloroform	0.47	U	1.0	0.47	ug/L			08/29/22 17:26	1
Chloromethane	0.63	U	1.0	0.63	ug/L			08/29/22 17:26	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			08/29/22 17:26	1
4-Chlorotoluene	0.43	U	1.0	0.43	ug/L			08/29/22 17:26	1
cis-1,2-Dichloroethene	0.46	U	1.0	0.46	ug/L			08/29/22 17:26	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			08/29/22 17:26	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			08/29/22 17:26	1
1,2-Dibromo-3-Chloropropane	0.91	U	2.0	0.91	ug/L			08/29/22 17:26	1
1,2-Dibromoethane	0.41	U	1.0	0.41	ug/L			08/29/22 17:26	1
Dibromomethane	0.40	U	1.0	0.40	ug/L			08/29/22 17:26	1
1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L			08/29/22 17:26	1
1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L			08/29/22 17:26	1
1,4-Dichlorobenzene	0.41	U	1.0	0.41	ug/L			08/29/22 17:26	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			08/29/22 17:26	1
1,1-Dichloroethane	0.47	U	1.0	0.47	ug/L			08/29/22 17:26	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			08/29/22 17:26	1
1,1-Dichloroethene	0.49	U	1.0	0.49	ug/L			08/29/22 17:26	1
1,2-Dichloropropane	0.47	U	1.0	0.47	ug/L			08/29/22 17:26	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			08/29/22 17:26	1
2,2-Dichloropropane	0.78	U	1.0	0.78	ug/L			08/29/22 17:26	1
1,1-Dichloropropene	0.36	U	1.0	0.36	ug/L			08/29/22 17:26	1
Diisopropyl ether	0.17	U	10	0.17	ug/L			08/29/22 17:26	1
Ethylbenzene	0.42	U	1.0	0.42	ug/L			08/29/22 17:26	1
Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40	ug/L			08/29/22 17:26	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			08/29/22 17:26	1
2-Hexanone	1.1	U	10	1.1	ug/L			08/29/22 17:26	1
Isopropylbenzene	0.49	U	1.0	0.49	ug/L			08/29/22 17:26	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			08/29/22 17:26	1
4-Methyl-2-pentanone	0.99	U	10	0.99	ug/L			08/29/22 17:26	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			08/29/22 17:26	1
m-Xylene & p-Xylene	0.42	U	2.0	0.42	ug/L			08/29/22 17:26	1
Naphthalene	0.80	U	1.0	0.80	ug/L			08/29/22 17:26	1
n-Butylbenzene	0.60	U	1.0	0.60	ug/L			08/29/22 17:26	1
n-Propylbenzene	0.57	U	1.0	0.57	ug/L			08/29/22 17:26	1
o-Xylene	0.42	U	1.0	0.42	ug/L			08/29/22 17:26	1
p-Isopropyltoluene	0.56	U	1.0	0.56	ug/L			08/29/22 17:26	1
sec-Butylbenzene	0.53	U	1.0	0.53	ug/L			08/29/22 17:26	1
Styrene	0.45	U	1.0	0.45	ug/L			08/29/22 17:26	1
Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43	ug/L			08/29/22 17:26	1
tert-Butyl alcohol	7.2	U	40	7.2	ug/L			08/29/22 17:26	1
tert-Butylbenzene	0.48	U	1.0	0.48	ug/L			08/29/22 17:26	1
1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43	ug/L			08/29/22 17:26	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	ug/L			08/29/22 17:26	1
Tetrachloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 17:26	1
Toluene	0.44	U	1.0	0.44	ug/L			08/29/22 17:26	1
trans-1,2-Dichloroethene	0.51	U	1.0	0.51	ug/L			08/29/22 17:26	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			08/29/22 17:26	1

Client Sample ID: MSA-SW40B-082222 Lab Sample ID: 240-171981-10

Date Collected: 08/22/22 12:14 **Matrix: Water**
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			08/29/22 17:26	1
1,2,4-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/29/22 17:26	1
1,1,1-Trichloroethane	0.48	U	1.0	0.48	ug/L			08/29/22 17:26	1
Trichloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 17:26	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			08/29/22 17:26	1
1,2,3-Trichloropropane	0.52	U	1.0	0.52	ug/L			08/29/22 17:26	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			08/29/22 17:26	1
1,2,3-Trimethylbenzene	0.31	U	5.0	0.31	ug/L			08/29/22 17:26	1
1,2,4-Trimethylbenzene	0.52	U	1.0	0.52	ug/L			08/29/22 17:26	1
Vinyl acetate	0.61	U	2.0	0.61	ug/L			08/29/22 17:26	1
Vinyl chloride	0.45	U	1.0	0.45	ug/L			08/29/22 17:26	1
Xylenes, Total	0.42	U	2.0	0.42	ug/L			08/29/22 17:26	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/29/22 17:26*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*56 - 136*		*08/29/22 17:26*	*1*
Dibromofluoromethane (Surr)	*107*		*73 - 120*		*08/29/22 17:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*62 - 137*		*08/29/22 17:26*	*1*
Toluene-d8 (Surr)	*101*		*78 - 122*		*08/29/22 17:26*	*1*

Client Sample ID: MSA-SW40C-082222 Lab Sample ID: 240-171981-11

Date Collected: 08/22/22 12:17 **Matrix: Water**
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.4	U	10	5.4	ug/L			08/29/22 17:49	1
Benzene	0.42	U	1.0	0.42	ug/L			08/29/22 17:49	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			08/29/22 17:49	1
Bromochloromethane	0.54	U	1.0	0.54	ug/L			08/29/22 17:49	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			08/29/22 17:49	1
Bromoform	0.76	U	1.0	0.76	ug/L			08/29/22 17:49	1
Bromomethane	0.42	U	1.0	0.42	ug/L			08/29/22 17:49	1
2-Butanone	1.2	U	10	1.2	ug/L			08/29/22 17:49	1
Carbon disulfide	0.59	U	1.0	0.59	ug/L			08/29/22 17:49	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			08/29/22 17:49	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			08/29/22 17:49	1
Chloroethane	0.83	U	1.0	0.83	ug/L			08/29/22 17:49	1
2-Chloroethyl vinyl ether	1.5	U	10	1.5	ug/L			08/29/22 17:49	1
Chloroform	0.47	U	1.0	0.47	ug/L			08/29/22 17:49	1
Chloromethane	0.63	U	1.0	0.63	ug/L			08/29/22 17:49	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			08/29/22 17:49	1
4-Chlorotoluene	0.43	U	1.0	0.43	ug/L			08/29/22 17:49	1
cis-1,2-Dichloroethene	0.46	U	1.0	0.46	ug/L			08/29/22 17:49	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			08/29/22 17:49	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			08/29/22 17:49	1
1,2-Dibromo-3-Chloropropane	0.91	U	2.0	0.91	ug/L			08/29/22 17:49	1
1,2-Dibromoethane	0.41	U	1.0	0.41	ug/L			08/29/22 17:49	1

Client Sample ID: MSA-SW40C-082222

Date Collected: 08/22/22 12:17
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	0.40	U	1.0	0.40	ug/L			08/29/22 17:49	1
1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L			08/29/22 17:49	1
1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L			08/29/22 17:49	1
1,4-Dichlorobenzene	0.41	U	1.0	0.41	ug/L			08/29/22 17:49	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			08/29/22 17:49	1
1,1-Dichloroethane	0.47	U	1.0	0.47	ug/L			08/29/22 17:49	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			08/29/22 17:49	1
1,1-Dichloroethene	0.49	U	1.0	0.49	ug/L			08/29/22 17:49	1
1,2-Dichloropropane	0.47	U	1.0	0.47	ug/L			08/29/22 17:49	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			08/29/22 17:49	1
2,2-Dichloropropane	0.78	U	1.0	0.78	ug/L			08/29/22 17:49	1
1,1-Dichloropropene	0.36	U	1.0	0.36	ug/L			08/29/22 17:49	1
Diisopropyl ether	0.17	U	10	0.17	ug/L			08/29/22 17:49	1
Ethylbenzene	0.42	U	1.0	0.42	ug/L			08/29/22 17:49	1
Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40	ug/L			08/29/22 17:49	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			08/29/22 17:49	1
2-Hexanone	1.1	U	10	1.1	ug/L			08/29/22 17:49	1
Isopropylbenzene	0.49	U	1.0	0.49	ug/L			08/29/22 17:49	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			08/29/22 17:49	1
4-Methyl-2-pentanone	0.99	U	10	0.99	ug/L			08/29/22 17:49	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			08/29/22 17:49	1
m-Xylene & p-Xylene	0.42	U	2.0	0.42	ug/L			08/29/22 17:49	1
Naphthalene	0.80	U	1.0	0.80	ug/L			08/29/22 17:49	1
n-Butylbenzene	0.60	U	1.0	0.60	ug/L			08/29/22 17:49	1
n-Propylbenzene	0.57	U	1.0	0.57	ug/L			08/29/22 17:49	1
o-Xylene	0.42	U	1.0	0.42	ug/L			08/29/22 17:49	1
p-Isopropyltoluene	0.56	U	1.0	0.56	ug/L			08/29/22 17:49	1
sec-Butylbenzene	0.53	U	1.0	0.53	ug/L			08/29/22 17:49	1
Styrene	0.45	U	1.0	0.45	ug/L			08/29/22 17:49	1
Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43	ug/L			08/29/22 17:49	1
tert-Butyl alcohol	7.2	U	40	7.2	ug/L			08/29/22 17:49	1
tert-Butylbenzene	0.48	U	1.0	0.48	ug/L			08/29/22 17:49	1
1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43	ug/L			08/29/22 17:49	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	ug/L			08/29/22 17:49	1
Tetrachloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 17:49	1
Toluene	0.44	U	1.0	0.44	ug/L			08/29/22 17:49	1
trans-1,2-Dichloroethene	0.51	U	1.0	0.51	ug/L			08/29/22 17:49	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			08/29/22 17:49	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			08/29/22 17:49	1
1,2,4-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/29/22 17:49	1
1,1,1-Trichloroethane	0.48	U	1.0	0.48	ug/L			08/29/22 17:49	1
Trichloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 17:49	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			08/29/22 17:49	1
1,2,3-Trichloropropane	0.52	U	1.0	0.52	ug/L			08/29/22 17:49	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			08/29/22 17:49	1
1,2,3-Trimethylbenzene	0.31	U	5.0	0.31	ug/L			08/29/22 17:49	1
1,2,4-Trimethylbenzene	0.52	U	1.0	0.52	ug/L			08/29/22 17:49	1
Vinyl acetate	0.61	U	2.0	0.61	ug/L			08/29/22 17:49	1
Vinyl chloride	0.45	U	1.0	0.45	ug/L			08/29/22 17:49	1

Client Sample ID: MSA-SW40C-082222

Lab Sample ID: 240-171981-11

Date Collected: 08/22/22 12:17
Matrix: Water
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.42	U	2.0	0.42	ug/L			08/29/22 17:49	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/29/22 17:49*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*56 - 136*		*08/29/22 17:49*	*1*
Dibromofluoromethane (Surr)	*105*		*73 - 120*		*08/29/22 17:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*62 - 137*		*08/29/22 17:49*	*1*
Toluene-d8 (Surr)	*99*		*78 - 122*		*08/29/22 17:49*	*1*

Client Sample ID: MSA-SW40D-082222

Lab Sample ID: 240-171981-12

Date Collected: 08/22/22 12:20
Matrix: Water
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.4	U	10	5.4	ug/L			08/29/22 18:13	1
Benzene	0.42	U	1.0	0.42	ug/L			08/29/22 18:13	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			08/29/22 18:13	1
Bromochloromethane	0.54	U	1.0	0.54	ug/L			08/29/22 18:13	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			08/29/22 18:13	1
Bromoform	0.76	U	1.0	0.76	ug/L			08/29/22 18:13	1
Bromomethane	0.42	U	1.0	0.42	ug/L			08/29/22 18:13	1
2-Butanone	1.2	U	10	1.2	ug/L			08/29/22 18:13	1
Carbon disulfide	0.59	U	1.0	0.59	ug/L			08/29/22 18:13	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			08/29/22 18:13	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			08/29/22 18:13	1
Chloroethane	0.83	U	1.0	0.83	ug/L			08/29/22 18:13	1
2-Chloroethyl vinyl ether	1.5	U	10	1.5	ug/L			08/29/22 18:13	1
Chloroform	0.47	U	1.0	0.47	ug/L			08/29/22 18:13	1
Chloromethane	0.63	U	1.0	0.63	ug/L			08/29/22 18:13	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			08/29/22 18:13	1
4-Chlorotoluene	0.43	U	1.0	0.43	ug/L			08/29/22 18:13	1
cis-1,2-Dichloroethene	0.46	U	1.0	0.46	ug/L			08/29/22 18:13	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			08/29/22 18:13	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			08/29/22 18:13	1
1,2-Dibromo-3-Chloropropane	0.91	U	2.0	0.91	ug/L			08/29/22 18:13	1
1,2-Dibromoethane	0.41	U	1.0	0.41	ug/L			08/29/22 18:13	1
Dibromomethane	0.40	U	1.0	0.40	ug/L			08/29/22 18:13	1
1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L			08/29/22 18:13	1
1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L			08/29/22 18:13	1
1,4-Dichlorobenzene	0.41	U	1.0	0.41	ug/L			08/29/22 18:13	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			08/29/22 18:13	1
1,1-Dichloroethane	0.47	U	1.0	0.47	ug/L			08/29/22 18:13	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			08/29/22 18:13	1
1,1-Dichloroethene	0.49	U	1.0	0.49	ug/L			08/29/22 18:13	1
1,2-Dichloropropane	0.47	U	1.0	0.47	ug/L			08/29/22 18:13	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			08/29/22 18:13	1
2,2-Dichloropropane	0.78	U	1.0	0.78	ug/L			08/29/22 18:13	1

Client Sample ID: MSA-SW40D-082222

Date Collected: 08/22/22 12:20
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	0.36	U	1.0	0.36	ug/L			08/29/22 18:13	1
Diisopropyl ether	0.17	U	10	0.17	ug/L			08/29/22 18:13	1
Ethylbenzene	0.42	U	1.0	0.42	ug/L			08/29/22 18:13	1
Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40	ug/L			08/29/22 18:13	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			08/29/22 18:13	1
2-Hexanone	1.1	U	10	1.1	ug/L			08/29/22 18:13	1
Isopropylbenzene	0.49	U	1.0	0.49	ug/L			08/29/22 18:13	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			08/29/22 18:13	1
4-Methyl-2-pentanone	0.99	U	10	0.99	ug/L			08/29/22 18:13	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			08/29/22 18:13	1
m-Xylene & p-Xylene	0.42	U	2.0	0.42	ug/L			08/29/22 18:13	1
Naphthalene	0.80	U	1.0	0.80	ug/L			08/29/22 18:13	1
n-Butylbenzene	0.60	U	1.0	0.60	ug/L			08/29/22 18:13	1
n-Propylbenzene	0.57	U	1.0	0.57	ug/L			08/29/22 18:13	1
o-Xylene	0.42	U	1.0	0.42	ug/L			08/29/22 18:13	1
p-Isopropyltoluene	0.56	U	1.0	0.56	ug/L			08/29/22 18:13	1
sec-Butylbenzene	0.53	U	1.0	0.53	ug/L			08/29/22 18:13	1
Styrene	0.45	U	1.0	0.45	ug/L			08/29/22 18:13	1
Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43	ug/L			08/29/22 18:13	1
tert-Butyl alcohol	7.2	U	40	7.2	ug/L			08/29/22 18:13	1
tert-Butylbenzene	0.48	U	1.0	0.48	ug/L			08/29/22 18:13	1
1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43	ug/L			08/29/22 18:13	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	ug/L			08/29/22 18:13	1
Tetrachloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 18:13	1
Toluene	0.44	U	1.0	0.44	ug/L			08/29/22 18:13	1
trans-1,2-Dichloroethene	0.51	U	1.0	0.51	ug/L			08/29/22 18:13	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			08/29/22 18:13	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			08/29/22 18:13	1
1,2,4-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/29/22 18:13	1
1,1,1-Trichloroethane	0.48	U	1.0	0.48	ug/L			08/29/22 18:13	1
Trichloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 18:13	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			08/29/22 18:13	1
1,2,3-Trichloropropane	0.52	U	1.0	0.52	ug/L			08/29/22 18:13	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			08/29/22 18:13	1
1,2,3-Trimethylbenzene	0.31	U	5.0	0.31	ug/L			08/29/22 18:13	1
1,2,4-Trimethylbenzene	0.52	U	1.0	0.52	ug/L			08/29/22 18:13	1
Vinyl acetate	0.61	U	2.0	0.61	ug/L			08/29/22 18:13	1
Vinyl chloride	0.45	U	1.0	0.45	ug/L			08/29/22 18:13	1
Xylenes, Total	0.42	U	2.0	0.42	ug/L			08/29/22 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*		*08/29/22 18:13*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*56 - 136*		*08/29/22 18:13*	*1*
Dibromofluoromethane (Surr)	*103*		*73 - 120*		*08/29/22 18:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*62 - 137*		*08/29/22 18:13*	*1*
Toluene-d8 (Surr)	*100*		*78 - 122*		*08/29/22 18:13*	*1*

Client Sample ID: MSA-SW41A-082222

Date Collected: 08/22/22 11:34
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.4	U	10	5.4	ug/L			08/29/22 18:37	1
Benzene	0.42	U	1.0	0.42	ug/L			08/29/22 18:37	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			08/29/22 18:37	1
Bromochloromethane	0.54	U	1.0	0.54	ug/L			08/29/22 18:37	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			08/29/22 18:37	1
Bromoform	0.76	U	1.0	0.76	ug/L			08/29/22 18:37	1
Bromomethane	0.42	U	1.0	0.42	ug/L			08/29/22 18:37	1
2-Butanone	1.2	U	10	1.2	ug/L			08/29/22 18:37	1
Carbon disulfide	0.59	U	1.0	0.59	ug/L			08/29/22 18:37	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			08/29/22 18:37	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			08/29/22 18:37	1
Chloroethane	0.83	U	1.0	0.83	ug/L			08/29/22 18:37	1
2-Chloroethyl vinyl ether	1.5	U	10	1.5	ug/L			08/29/22 18:37	1
Chloroform	0.47	U	1.0	0.47	ug/L			08/29/22 18:37	1
Chloromethane	0.63	U	1.0	0.63	ug/L			08/29/22 18:37	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			08/29/22 18:37	1
4-Chlorotoluene	0.43	U	1.0	0.43	ug/L			08/29/22 18:37	1
cis-1,2-Dichloroethene	0.46	U	1.0	0.46	ug/L			08/29/22 18:37	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			08/29/22 18:37	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			08/29/22 18:37	1
1,2-Dibromo-3-Chloropropane	0.91	U	2.0	0.91	ug/L			08/29/22 18:37	1
1,2-Dibromoethane	0.41	U	1.0	0.41	ug/L			08/29/22 18:37	1
Dibromomethane	0.40	U	1.0	0.40	ug/L			08/29/22 18:37	1
1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L			08/29/22 18:37	1
1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L			08/29/22 18:37	1
1,4-Dichlorobenzene	0.41	U	1.0	0.41	ug/L			08/29/22 18:37	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			08/29/22 18:37	1
1,1-Dichloroethane	0.47	U	1.0	0.47	ug/L			08/29/22 18:37	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			08/29/22 18:37	1
1,1-Dichloroethene	0.49	U	1.0	0.49	ug/L			08/29/22 18:37	1
1,2-Dichloropropane	0.47	U	1.0	0.47	ug/L			08/29/22 18:37	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			08/29/22 18:37	1
2,2-Dichloropropane	0.78	U	1.0	0.78	ug/L			08/29/22 18:37	1
1,1-Dichloropropene	0.36	U	1.0	0.36	ug/L			08/29/22 18:37	1
Diisopropyl ether	0.17	U	10	0.17	ug/L			08/29/22 18:37	1
Ethylbenzene	0.42	U	1.0	0.42	ug/L			08/29/22 18:37	1
Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40	ug/L			08/29/22 18:37	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			08/29/22 18:37	1
2-Hexanone	1.1	U	10	1.1	ug/L			08/29/22 18:37	1
Isopropylbenzene	0.49	U	1.0	0.49	ug/L			08/29/22 18:37	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			08/29/22 18:37	1
4-Methyl-2-pentanone	0.99	U	10	0.99	ug/L			08/29/22 18:37	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			08/29/22 18:37	1
m-Xylene & p-Xylene	0.42	U	2.0	0.42	ug/L			08/29/22 18:37	1
Naphthalene	0.80	U	1.0	0.80	ug/L			08/29/22 18:37	1
n-Butylbenzene	0.60	U	1.0	0.60	ug/L			08/29/22 18:37	1
n-Propylbenzene	0.57	U	1.0	0.57	ug/L			08/29/22 18:37	1
o-Xylene	0.42	U	1.0	0.42	ug/L			08/29/22 18:37	1
p-Isopropyltoluene	0.56	U	1.0	0.56	ug/L			08/29/22 18:37	1

Client Sample ID: MSA-SW41A-082222 Lab Sample ID: 240-171981-13

Date Collected: 08/22/22 11:34 **Matrix: Water**
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	0.53	U	1.0	0.53	ug/L			08/29/22 18:37	1
Styrene	0.45	U	1.0	0.45	ug/L			08/29/22 18:37	1
Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43	ug/L			08/29/22 18:37	1
tert-Butyl alcohol	7.2	U	40	7.2	ug/L			08/29/22 18:37	1
tert-Butylbenzene	0.48	U	1.0	0.48	ug/L			08/29/22 18:37	1
1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43	ug/L			08/29/22 18:37	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	ug/L			08/29/22 18:37	1
Tetrachloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 18:37	1
Toluene	0.44	U	1.0	0.44	ug/L			08/29/22 18:37	1
trans-1,2-Dichloroethene	0.51	U	1.0	0.51	ug/L			08/29/22 18:37	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			08/29/22 18:37	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			08/29/22 18:37	1
1,2,4-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/29/22 18:37	1
1,1,1-Trichloroethane	0.48	U	1.0	0.48	ug/L			08/29/22 18:37	1
Trichloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 18:37	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			08/29/22 18:37	1
1,2,3-Trichloropropane	0.52	U	1.0	0.52	ug/L			08/29/22 18:37	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			08/29/22 18:37	1
1,2,3-Trimethylbenzene	0.31	U	5.0	0.31	ug/L			08/29/22 18:37	1
1,2,4-Trimethylbenzene	0.52	U	1.0	0.52	ug/L			08/29/22 18:37	1
Vinyl acetate	0.61	U	2.0	0.61	ug/L			08/29/22 18:37	1
Vinyl chloride	0.45	U	1.0	0.45	ug/L			08/29/22 18:37	1
Xylenes, Total	0.42	U	2.0	0.42	ug/L			08/29/22 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*		*08/29/22 18:37*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*56 - 136*		*08/29/22 18:37*	*1*
Dibromofluoromethane (Surr)	*105*		*73 - 120*		*08/29/22 18:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*62 - 137*		*08/29/22 18:37*	*1*
Toluene-d8 (Surr)	*99*		*78 - 122*		*08/29/22 18:37*	*1*

Client Sample ID: MSA-SW41B-082222 Lab Sample ID: 240-171981-14

Date Collected: 08/22/22 11:38 **Matrix: Water**
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.4	U	10	5.4	ug/L			08/29/22 19:01	1
Benzene	0.42	U	1.0	0.42	ug/L			08/29/22 19:01	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			08/29/22 19:01	1
Bromochloromethane	0.54	U	1.0	0.54	ug/L			08/29/22 19:01	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			08/29/22 19:01	1
Bromoform	0.76	U	1.0	0.76	ug/L			08/29/22 19:01	1
Bromomethane	0.42	U	1.0	0.42	ug/L			08/29/22 19:01	1
2-Butanone	1.2	U	10	1.2	ug/L			08/29/22 19:01	1
Carbon disulfide	0.59	U	1.0	0.59	ug/L			08/29/22 19:01	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			08/29/22 19:01	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			08/29/22 19:01	1

Client Sample ID: MSA-SW41B-082222

Date Collected: 08/22/22 11:38
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-14

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	0.83	U	1.0	0.83	ug/L			08/29/22 19:01	1
2-Chloroethyl vinyl ether	1.5	U	10	1.5	ug/L			08/29/22 19:01	1
Chloroform	0.47	U	1.0	0.47	ug/L			08/29/22 19:01	1
Chloromethane	0.63	U	1.0	0.63	ug/L			08/29/22 19:01	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			08/29/22 19:01	1
4-Chlorotoluene	0.43	U	1.0	0.43	ug/L			08/29/22 19:01	1
cis-1,2-Dichloroethene	0.46	U	1.0	0.46	ug/L			08/29/22 19:01	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			08/29/22 19:01	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			08/29/22 19:01	1
1,2-Dibromo-3-Chloropropane	0.91	U	2.0	0.91	ug/L			08/29/22 19:01	1
1,2-Dibromoethane	0.41	U	1.0	0.41	ug/L			08/29/22 19:01	1
Dibromomethane	0.40	U	1.0	0.40	ug/L			08/29/22 19:01	1
1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L			08/29/22 19:01	1
1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L			08/29/22 19:01	1
1,4-Dichlorobenzene	0.41	U	1.0	0.41	ug/L			08/29/22 19:01	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			08/29/22 19:01	1
1,1-Dichloroethane	0.47	U	1.0	0.47	ug/L			08/29/22 19:01	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			08/29/22 19:01	1
1,1-Dichloroethene	0.49	U	1.0	0.49	ug/L			08/29/22 19:01	1
1,2-Dichloropropane	0.47	U	1.0	0.47	ug/L			08/29/22 19:01	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			08/29/22 19:01	1
2,2-Dichloropropane	0.78	U	1.0	0.78	ug/L			08/29/22 19:01	1
1,1-Dichloropropene	0.36	U	1.0	0.36	ug/L			08/29/22 19:01	1
Diisopropyl ether	0.17	U	10	0.17	ug/L			08/29/22 19:01	1
Ethylbenzene	0.42	U	1.0	0.42	ug/L			08/29/22 19:01	1
Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40	ug/L			08/29/22 19:01	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			08/29/22 19:01	1
2-Hexanone	1.1	U	10	1.1	ug/L			08/29/22 19:01	1
Isopropylbenzene	0.49	U	1.0	0.49	ug/L			08/29/22 19:01	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			08/29/22 19:01	1
4-Methyl-2-pentanone	0.99	U	10	0.99	ug/L			08/29/22 19:01	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			08/29/22 19:01	1
m-Xylene & p-Xylene	0.42	U	2.0	0.42	ug/L			08/29/22 19:01	1
Naphthalene	0.80	U	1.0	0.80	ug/L			08/29/22 19:01	1
n-Butylbenzene	0.60	U	1.0	0.60	ug/L			08/29/22 19:01	1
n-Propylbenzene	0.57	U	1.0	0.57	ug/L			08/29/22 19:01	1
o-Xylene	0.42	U	1.0	0.42	ug/L			08/29/22 19:01	1
p-Isopropyltoluene	0.56	U	1.0	0.56	ug/L			08/29/22 19:01	1
sec-Butylbenzene	0.53	U	1.0	0.53	ug/L			08/29/22 19:01	1
Styrene	0.45	U	1.0	0.45	ug/L			08/29/22 19:01	1
Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43	ug/L			08/29/22 19:01	1
tert-Butyl alcohol	7.2	U	40	7.2	ug/L			08/29/22 19:01	1
tert-Butylbenzene	0.48	U	1.0	0.48	ug/L			08/29/22 19:01	1
1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43	ug/L			08/29/22 19:01	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	ug/L			08/29/22 19:01	1
Tetrachloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 19:01	1
Toluene	0.44	U	1.0	0.44	ug/L			08/29/22 19:01	1
trans-1,2-Dichloroethene	0.51	U	1.0	0.51	ug/L			08/29/22 19:01	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			08/29/22 19:01	1

Client Sample ID: MSA-SW41B-082222

Lab Sample ID: 240-171981-14

Date Collected: 08/22/22 11:38
Matrix: Water
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			08/29/22 19:01	1
1,2,4-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/29/22 19:01	1
1,1,1-Trichloroethane	0.48	U	1.0	0.48	ug/L			08/29/22 19:01	1
Trichloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 19:01	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			08/29/22 19:01	1
1,2,3-Trichloropropane	0.52	U	1.0	0.52	ug/L			08/29/22 19:01	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			08/29/22 19:01	1
1,2,3-Trimethylbenzene	0.31	U	5.0	0.31	ug/L			08/29/22 19:01	1
1,2,4-Trimethylbenzene	0.52	U	1.0	0.52	ug/L			08/29/22 19:01	1
Vinyl acetate	0.61	U	2.0	0.61	ug/L			08/29/22 19:01	1
Vinyl chloride	0.45	U	1.0	0.45	ug/L			08/29/22 19:01	1
Xylenes, Total	0.42	U	2.0	0.42	ug/L			08/29/22 19:01	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/29/22 19:01*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*56 - 136*		*08/29/22 19:01*	*1*
Dibromofluoromethane (Surr)	*104*		*73 - 120*		*08/29/22 19:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*62 - 137*		*08/29/22 19:01*	*1*
Toluene-d8 (Surr)	*98*		*78 - 122*		*08/29/22 19:01*	*1*

Client Sample ID: MSA-SW41C-082222

Lab Sample ID: 240-171981-15

Date Collected: 08/22/22 11:40
Matrix: Water
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.4	U	10	5.4	ug/L			08/29/22 19:24	1
Benzene	0.42	U	1.0	0.42	ug/L			08/29/22 19:24	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			08/29/22 19:24	1
Bromochloromethane	0.54	U	1.0	0.54	ug/L			08/29/22 19:24	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			08/29/22 19:24	1
Bromoform	0.76	U	1.0	0.76	ug/L			08/29/22 19:24	1
Bromomethane	0.42	U	1.0	0.42	ug/L			08/29/22 19:24	1
2-Butanone	1.2	U	10	1.2	ug/L			08/29/22 19:24	1
Carbon disulfide	0.59	U	1.0	0.59	ug/L			08/29/22 19:24	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			08/29/22 19:24	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			08/29/22 19:24	1
Chloroethane	0.83	U	1.0	0.83	ug/L			08/29/22 19:24	1
2-Chloroethyl vinyl ether	1.5	U	10	1.5	ug/L			08/29/22 19:24	1
Chloroform	0.47	U	1.0	0.47	ug/L			08/29/22 19:24	1
Chloromethane	0.63	U	1.0	0.63	ug/L			08/29/22 19:24	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			08/29/22 19:24	1
4-Chlorotoluene	0.43	U	1.0	0.43	ug/L			08/29/22 19:24	1
cis-1,2-Dichloroethene	0.46	U	1.0	0.46	ug/L			08/29/22 19:24	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			08/29/22 19:24	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			08/29/22 19:24	1
1,2-Dibromo-3-Chloropropane	0.91	U	2.0	0.91	ug/L			08/29/22 19:24	1
1,2-Dibromoethane	0.41	U	1.0	0.41	ug/L			08/29/22 19:24	1

Client Sample ID: MSA-SW41C-082222

Date Collected: 08/22/22 11:40
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	0.40	U	1.0	0.40	ug/L			08/29/22 19:24	1
1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L			08/29/22 19:24	1
1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L			08/29/22 19:24	1
1,4-Dichlorobenzene	0.41	U	1.0	0.41	ug/L			08/29/22 19:24	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			08/29/22 19:24	1
1,1-Dichloroethane	0.47	U	1.0	0.47	ug/L			08/29/22 19:24	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			08/29/22 19:24	1
1,1-Dichloroethene	0.49	U	1.0	0.49	ug/L			08/29/22 19:24	1
1,2-Dichloropropane	0.47	U	1.0	0.47	ug/L			08/29/22 19:24	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			08/29/22 19:24	1
2,2-Dichloropropane	0.78	U	1.0	0.78	ug/L			08/29/22 19:24	1
1,1-Dichloropropene	0.36	U	1.0	0.36	ug/L			08/29/22 19:24	1
Diisopropyl ether	0.17	U	10	0.17	ug/L			08/29/22 19:24	1
Ethylbenzene	0.42	U	1.0	0.42	ug/L			08/29/22 19:24	1
Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40	ug/L			08/29/22 19:24	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			08/29/22 19:24	1
2-Hexanone	1.1	U	10	1.1	ug/L			08/29/22 19:24	1
Isopropylbenzene	0.49	U	1.0	0.49	ug/L			08/29/22 19:24	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			08/29/22 19:24	1
4-Methyl-2-pentanone	0.99	U	10	0.99	ug/L			08/29/22 19:24	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			08/29/22 19:24	1
m-Xylene & p-Xylene	0.42	U	2.0	0.42	ug/L			08/29/22 19:24	1
Naphthalene	0.80	U	1.0	0.80	ug/L			08/29/22 19:24	1
n-Butylbenzene	0.60	U	1.0	0.60	ug/L			08/29/22 19:24	1
n-Propylbenzene	0.57	U	1.0	0.57	ug/L			08/29/22 19:24	1
o-Xylene	0.42	U	1.0	0.42	ug/L			08/29/22 19:24	1
p-Isopropyltoluene	0.56	U	1.0	0.56	ug/L			08/29/22 19:24	1
sec-Butylbenzene	0.53	U	1.0	0.53	ug/L			08/29/22 19:24	1
Styrene	0.45	U	1.0	0.45	ug/L			08/29/22 19:24	1
Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43	ug/L			08/29/22 19:24	1
tert-Butyl alcohol	7.2	U	40	7.2	ug/L			08/29/22 19:24	1
tert-Butylbenzene	0.48	U	1.0	0.48	ug/L			08/29/22 19:24	1
1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43	ug/L			08/29/22 19:24	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	ug/L			08/29/22 19:24	1
Tetrachloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 19:24	1
Toluene	0.44	U	1.0	0.44	ug/L			08/29/22 19:24	1
trans-1,2-Dichloroethene	0.51	U	1.0	0.51	ug/L			08/29/22 19:24	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			08/29/22 19:24	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			08/29/22 19:24	1
1,2,4-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/29/22 19:24	1
1,1,1-Trichloroethane	0.48	U	1.0	0.48	ug/L			08/29/22 19:24	1
Trichloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 19:24	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			08/29/22 19:24	1
1,2,3-Trichloropropane	0.52	U	1.0	0.52	ug/L			08/29/22 19:24	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			08/29/22 19:24	1
1,2,3-Trimethylbenzene	0.31	U	5.0	0.31	ug/L			08/29/22 19:24	1
1,2,4-Trimethylbenzene	0.52	U	1.0	0.52	ug/L			08/29/22 19:24	1
Vinyl acetate	0.61	U	2.0	0.61	ug/L			08/29/22 19:24	1
Vinyl chloride	0.45	U	1.0	0.45	ug/L			08/29/22 19:24	1

Client Sample ID: MSA-SW41C-082222

Lab Sample ID: 240-171981-15

Date Collected: 08/22/22 11:40
Matrix: Water
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.42	U	2.0	0.42	ug/L			08/29/22 19:24	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/29/22 19:24*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*56 - 136*		*08/29/22 19:24*	*1*
Dibromofluoromethane (Surr)	*105*		*73 - 120*		*08/29/22 19:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*62 - 137*		*08/29/22 19:24*	*1*
Toluene-d8 (Surr)	*99*		*78 - 122*		*08/29/22 19:24*	*1*

Client Sample ID: MSA-SW41D-082222

Lab Sample ID: 240-171981-16

Date Collected: 08/22/22 11:43
Matrix: Water
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.4	U	10	5.4	ug/L			08/29/22 19:48	1
Benzene	0.42	U	1.0	0.42	ug/L			08/29/22 19:48	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			08/29/22 19:48	1
Bromochloromethane	0.54	U	1.0	0.54	ug/L			08/29/22 19:48	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			08/29/22 19:48	1
Bromoform	0.76	U	1.0	0.76	ug/L			08/29/22 19:48	1
Bromomethane	0.42	U	1.0	0.42	ug/L			08/29/22 19:48	1
2-Butanone	1.2	U	10	1.2	ug/L			08/29/22 19:48	1
Carbon disulfide	0.59	U	1.0	0.59	ug/L			08/29/22 19:48	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			08/29/22 19:48	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			08/29/22 19:48	1
Chloroethane	0.83	U	1.0	0.83	ug/L			08/29/22 19:48	1
2-Chloroethyl vinyl ether	1.5	U	10	1.5	ug/L			08/29/22 19:48	1
Chloroform	0.47	U	1.0	0.47	ug/L			08/29/22 19:48	1
Chloromethane	0.63	U	1.0	0.63	ug/L			08/29/22 19:48	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			08/29/22 19:48	1
4-Chlorotoluene	0.43	U	1.0	0.43	ug/L			08/29/22 19:48	1
cis-1,2-Dichloroethene	0.46	U	1.0	0.46	ug/L			08/29/22 19:48	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			08/29/22 19:48	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			08/29/22 19:48	1
1,2-Dibromo-3-Chloropropane	0.91	U	2.0	0.91	ug/L			08/29/22 19:48	1
1,2-Dibromoethane	0.41	U	1.0	0.41	ug/L			08/29/22 19:48	1
Dibromomethane	0.40	U	1.0	0.40	ug/L			08/29/22 19:48	1
1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L			08/29/22 19:48	1
1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L			08/29/22 19:48	1
1,4-Dichlorobenzene	0.41	U	1.0	0.41	ug/L			08/29/22 19:48	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			08/29/22 19:48	1
1,1-Dichloroethane	0.47	U	1.0	0.47	ug/L			08/29/22 19:48	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			08/29/22 19:48	1
1,1-Dichloroethene	0.49	U	1.0	0.49	ug/L			08/29/22 19:48	1
1,2-Dichloropropane	0.47	U	1.0	0.47	ug/L			08/29/22 19:48	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			08/29/22 19:48	1
2,2-Dichloropropane	0.78	U	1.0	0.78	ug/L			08/29/22 19:48	1

Client Sample ID: MSA-SW41D-082222

Date Collected: 08/22/22 11:43
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-16

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	0.36	U	1.0	0.36	ug/L			08/29/22 19:48	1
Diisopropyl ether	0.17	U	10	0.17	ug/L			08/29/22 19:48	1
Ethylbenzene	0.42	U	1.0	0.42	ug/L			08/29/22 19:48	1
Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40	ug/L			08/29/22 19:48	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			08/29/22 19:48	1
2-Hexanone	1.1	U	10	1.1	ug/L			08/29/22 19:48	1
Isopropylbenzene	0.49	U	1.0	0.49	ug/L			08/29/22 19:48	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			08/29/22 19:48	1
4-Methyl-2-pentanone	0.99	U	10	0.99	ug/L			08/29/22 19:48	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			08/29/22 19:48	1
m-Xylene & p-Xylene	0.42	U	2.0	0.42	ug/L			08/29/22 19:48	1
Naphthalene	0.80	U	1.0	0.80	ug/L			08/29/22 19:48	1
n-Butylbenzene	0.60	U	1.0	0.60	ug/L			08/29/22 19:48	1
n-Propylbenzene	0.57	U	1.0	0.57	ug/L			08/29/22 19:48	1
o-Xylene	0.42	U	1.0	0.42	ug/L			08/29/22 19:48	1
p-Isopropyltoluene	0.56	U	1.0	0.56	ug/L			08/29/22 19:48	1
sec-Butylbenzene	0.53	U	1.0	0.53	ug/L			08/29/22 19:48	1
Styrene	0.45	U	1.0	0.45	ug/L			08/29/22 19:48	1
Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43	ug/L			08/29/22 19:48	1
tert-Butyl alcohol	7.2	U	40	7.2	ug/L			08/29/22 19:48	1
tert-Butylbenzene	0.48	U	1.0	0.48	ug/L			08/29/22 19:48	1
1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43	ug/L			08/29/22 19:48	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	ug/L			08/29/22 19:48	1
Tetrachloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 19:48	1
Toluene	0.44	U	1.0	0.44	ug/L			08/29/22 19:48	1
trans-1,2-Dichloroethene	0.51	U	1.0	0.51	ug/L			08/29/22 19:48	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			08/29/22 19:48	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			08/29/22 19:48	1
1,2,4-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/29/22 19:48	1
1,1,1-Trichloroethane	0.48	U	1.0	0.48	ug/L			08/29/22 19:48	1
Trichloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 19:48	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			08/29/22 19:48	1
1,2,3-Trichloropropane	0.52	U	1.0	0.52	ug/L			08/29/22 19:48	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			08/29/22 19:48	1
1,2,3-Trimethylbenzene	0.31	U	5.0	0.31	ug/L			08/29/22 19:48	1
1,2,4-Trimethylbenzene	0.52	U	1.0	0.52	ug/L			08/29/22 19:48	1
Vinyl acetate	0.61	U	2.0	0.61	ug/L			08/29/22 19:48	1
Vinyl chloride	0.45	U	1.0	0.45	ug/L			08/29/22 19:48	1
Xylenes, Total	0.42	U	2.0	0.42	ug/L			08/29/22 19:48	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/29/22 19:48*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*56 - 136*		*08/29/22 19:48*	*1*
Dibromofluoromethane (Surr)	*102*		*73 - 120*		*08/29/22 19:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*62 - 137*		*08/29/22 19:48*	*1*
Toluene-d8 (Surr)	*98*		*78 - 122*		*08/29/22 19:48*	*1*

Client Sample ID: MSA-SW42A-082222

Date Collected: 08/22/22 12:26
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-17

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.4	U	10	5.4	ug/L			08/29/22 20:11	1
Benzene	0.42	U	1.0	0.42	ug/L			08/29/22 20:11	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			08/29/22 20:11	1
Bromochloromethane	0.54	U	1.0	0.54	ug/L			08/29/22 20:11	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			08/29/22 20:11	1
Bromoform	0.76	U	1.0	0.76	ug/L			08/29/22 20:11	1
Bromomethane	0.42	U	1.0	0.42	ug/L			08/29/22 20:11	1
2-Butanone	1.2	U	10	1.2	ug/L			08/29/22 20:11	1
Carbon disulfide	0.59	U	1.0	0.59	ug/L			08/29/22 20:11	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			08/29/22 20:11	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			08/29/22 20:11	1
Chloroethane	0.83	U	1.0	0.83	ug/L			08/29/22 20:11	1
2-Chloroethyl vinyl ether	1.5	U	10	1.5	ug/L			08/29/22 20:11	1
Chloroform	0.47	U	1.0	0.47	ug/L			08/29/22 20:11	1
Chloromethane	0.63	U	1.0	0.63	ug/L			08/29/22 20:11	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			08/29/22 20:11	1
4-Chlorotoluene	0.43	U	1.0	0.43	ug/L			08/29/22 20:11	1
cis-1,2-Dichloroethene	0.46	U	1.0	0.46	ug/L			08/29/22 20:11	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			08/29/22 20:11	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			08/29/22 20:11	1
1,2-Dibromo-3-Chloropropane	0.91	U	2.0	0.91	ug/L			08/29/22 20:11	1
1,2-Dibromoethane	0.41	U	1.0	0.41	ug/L			08/29/22 20:11	1
Dibromomethane	0.40	U	1.0	0.40	ug/L			08/29/22 20:11	1
1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L			08/29/22 20:11	1
1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L			08/29/22 20:11	1
1,4-Dichlorobenzene	0.41	U	1.0	0.41	ug/L			08/29/22 20:11	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			08/29/22 20:11	1
1,1-Dichloroethane	0.47	U	1.0	0.47	ug/L			08/29/22 20:11	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			08/29/22 20:11	1
1,1-Dichloroethene	0.49	U	1.0	0.49	ug/L			08/29/22 20:11	1
1,2-Dichloropropane	0.47	U	1.0	0.47	ug/L			08/29/22 20:11	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			08/29/22 20:11	1
2,2-Dichloropropane	0.78	U	1.0	0.78	ug/L			08/29/22 20:11	1
1,1-Dichloropropene	0.36	U	1.0	0.36	ug/L			08/29/22 20:11	1
Diisopropyl ether	0.17	U	10	0.17	ug/L			08/29/22 20:11	1
Ethylbenzene	0.42	U	1.0	0.42	ug/L			08/29/22 20:11	1
Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40	ug/L			08/29/22 20:11	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			08/29/22 20:11	1
2-Hexanone	1.1	U	10	1.1	ug/L			08/29/22 20:11	1
Isopropylbenzene	0.49	U	1.0	0.49	ug/L			08/29/22 20:11	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			08/29/22 20:11	1
4-Methyl-2-pentanone	0.99	U	10	0.99	ug/L			08/29/22 20:11	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			08/29/22 20:11	1
m-Xylene & p-Xylene	0.42	U	2.0	0.42	ug/L			08/29/22 20:11	1
Naphthalene	0.80	U	1.0	0.80	ug/L			08/29/22 20:11	1
n-Butylbenzene	0.60	U	1.0	0.60	ug/L			08/29/22 20:11	1
n-Propylbenzene	0.57	U	1.0	0.57	ug/L			08/29/22 20:11	1
o-Xylene	0.42	U	1.0	0.42	ug/L			08/29/22 20:11	1
p-Isopropyltoluene	0.56	U	1.0	0.56	ug/L			08/29/22 20:11	1

Client Sample ID: MSA-SW42A-082222 Lab Sample ID: 240-171981-17

Date Collected: 08/22/22 12:26 **Matrix: Water**
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	0.53	U	1.0	0.53	ug/L			08/29/22 20:11	1
Styrene	0.45	U	1.0	0.45	ug/L			08/29/22 20:11	1
Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43	ug/L			08/29/22 20:11	1
tert-Butyl alcohol	7.2	U	40	7.2	ug/L			08/29/22 20:11	1
tert-Butylbenzene	0.48	U	1.0	0.48	ug/L			08/29/22 20:11	1
1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43	ug/L			08/29/22 20:11	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	ug/L			08/29/22 20:11	1
Tetrachloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 20:11	1
Toluene	0.44	U	1.0	0.44	ug/L			08/29/22 20:11	1
trans-1,2-Dichloroethene	0.51	U	1.0	0.51	ug/L			08/29/22 20:11	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			08/29/22 20:11	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			08/29/22 20:11	1
1,2,4-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/29/22 20:11	1
1,1,1-Trichloroethane	0.48	U	1.0	0.48	ug/L			08/29/22 20:11	1
Trichloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 20:11	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			08/29/22 20:11	1
1,2,3-Trichloropropane	0.52	U	1.0	0.52	ug/L			08/29/22 20:11	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			08/29/22 20:11	1
1,2,3-Trimethylbenzene	0.31	U	5.0	0.31	ug/L			08/29/22 20:11	1
1,2,4-Trimethylbenzene	0.52	U	1.0	0.52	ug/L			08/29/22 20:11	1
Vinyl acetate	0.61	U	2.0	0.61	ug/L			08/29/22 20:11	1
Vinyl chloride	0.45	U	1.0	0.45	ug/L			08/29/22 20:11	1
Xylenes, Total	0.42	U	2.0	0.42	ug/L			08/29/22 20:11	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/29/22 20:11*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*56 - 136*		*08/29/22 20:11*	*1*
Dibromofluoromethane (Surr)	*104*		*73 - 120*		*08/29/22 20:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*62 - 137*		*08/29/22 20:11*	*1*
Toluene-d8 (Surr)	*97*		*78 - 122*		*08/29/22 20:11*	*1*

Client Sample ID: MSA-SW42B-082222 Lab Sample ID: 240-171981-18

Date Collected: 08/22/22 12:28 **Matrix: Water**
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.4	U	10	5.4	ug/L			08/29/22 20:35	1
Benzene	0.42	U	1.0	0.42	ug/L			08/29/22 20:35	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			08/29/22 20:35	1
Bromochloromethane	0.54	U	1.0	0.54	ug/L			08/29/22 20:35	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			08/29/22 20:35	1
Bromoform	0.76	U	1.0	0.76	ug/L			08/29/22 20:35	1
Bromomethane	0.42	U	1.0	0.42	ug/L			08/29/22 20:35	1
2-Butanone	1.2	U	10	1.2	ug/L			08/29/22 20:35	1
Carbon disulfide	0.59	U	1.0	0.59	ug/L			08/29/22 20:35	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			08/29/22 20:35	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			08/29/22 20:35	1

Client Sample ID: MSA-SW42B-082222

Date Collected: 08/22/22 12:28
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-18

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	0.83	U	1.0	0.83	ug/L			08/29/22 20:35	1
2-Chloroethyl vinyl ether	1.5	U	10	1.5	ug/L			08/29/22 20:35	1
Chloroform	0.47	U	1.0	0.47	ug/L			08/29/22 20:35	1
Chloromethane	0.63	U	1.0	0.63	ug/L			08/29/22 20:35	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			08/29/22 20:35	1
4-Chlorotoluene	0.43	U	1.0	0.43	ug/L			08/29/22 20:35	1
cis-1,2-Dichloroethene	0.46	U	1.0	0.46	ug/L			08/29/22 20:35	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			08/29/22 20:35	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			08/29/22 20:35	1
1,2-Dibromo-3-Chloropropane	0.91	U	2.0	0.91	ug/L			08/29/22 20:35	1
1,2-Dibromoethane	0.41	U	1.0	0.41	ug/L			08/29/22 20:35	1
Dibromomethane	0.40	U	1.0	0.40	ug/L			08/29/22 20:35	1
1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L			08/29/22 20:35	1
1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L			08/29/22 20:35	1
1,4-Dichlorobenzene	0.41	U	1.0	0.41	ug/L			08/29/22 20:35	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			08/29/22 20:35	1
1,1-Dichloroethane	0.47	U	1.0	0.47	ug/L			08/29/22 20:35	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			08/29/22 20:35	1
1,1-Dichloroethene	0.49	U	1.0	0.49	ug/L			08/29/22 20:35	1
1,2-Dichloropropane	0.47	U	1.0	0.47	ug/L			08/29/22 20:35	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			08/29/22 20:35	1
2,2-Dichloropropane	0.78	U	1.0	0.78	ug/L			08/29/22 20:35	1
1,1-Dichloropropene	0.36	U	1.0	0.36	ug/L			08/29/22 20:35	1
Diisopropyl ether	0.17	U	10	0.17	ug/L			08/29/22 20:35	1
Ethylbenzene	0.42	U	1.0	0.42	ug/L			08/29/22 20:35	1
Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40	ug/L			08/29/22 20:35	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			08/29/22 20:35	1
2-Hexanone	1.1	U	10	1.1	ug/L			08/29/22 20:35	1
Isopropylbenzene	0.49	U	1.0	0.49	ug/L			08/29/22 20:35	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			08/29/22 20:35	1
4-Methyl-2-pentanone	0.99	U	10	0.99	ug/L			08/29/22 20:35	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			08/29/22 20:35	1
m-Xylene & p-Xylene	0.42	U	2.0	0.42	ug/L			08/29/22 20:35	1
Naphthalene	0.80	U	1.0	0.80	ug/L			08/29/22 20:35	1
n-Butylbenzene	0.60	U	1.0	0.60	ug/L			08/29/22 20:35	1
n-Propylbenzene	0.57	U	1.0	0.57	ug/L			08/29/22 20:35	1
o-Xylene	0.42	U	1.0	0.42	ug/L			08/29/22 20:35	1
p-Isopropyltoluene	0.56	U	1.0	0.56	ug/L			08/29/22 20:35	1
sec-Butylbenzene	0.53	U	1.0	0.53	ug/L			08/29/22 20:35	1
Styrene	0.45	U	1.0	0.45	ug/L			08/29/22 20:35	1
Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43	ug/L			08/29/22 20:35	1
tert-Butyl alcohol	7.2	U	40	7.2	ug/L			08/29/22 20:35	1
tert-Butylbenzene	0.48	U	1.0	0.48	ug/L			08/29/22 20:35	1
1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43	ug/L			08/29/22 20:35	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	ug/L			08/29/22 20:35	1
Tetrachloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 20:35	1
Toluene	0.44	U	1.0	0.44	ug/L			08/29/22 20:35	1
trans-1,2-Dichloroethene	0.51	U	1.0	0.51	ug/L			08/29/22 20:35	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			08/29/22 20:35	1

Client Sample ID: MSA-SW42B-082222 Lab Sample ID: 240-171981-18

Date Collected: 08/22/22 12:28 **Matrix: Water**
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			08/29/22 20:35	1
1,2,4-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/29/22 20:35	1
1,1,1-Trichloroethane	0.48	U	1.0	0.48	ug/L			08/29/22 20:35	1
Trichloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 20:35	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			08/29/22 20:35	1
1,2,3-Trichloropropane	0.52	U	1.0	0.52	ug/L			08/29/22 20:35	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			08/29/22 20:35	1
1,2,3-Trimethylbenzene	0.31	U	5.0	0.31	ug/L			08/29/22 20:35	1
1,2,4-Trimethylbenzene	0.52	U	1.0	0.52	ug/L			08/29/22 20:35	1
Vinyl acetate	0.61	U	2.0	0.61	ug/L			08/29/22 20:35	1
Vinyl chloride	0.45	U	1.0	0.45	ug/L			08/29/22 20:35	1
Xylenes, Total	0.42	U	2.0	0.42	ug/L			08/29/22 20:35	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*		*08/29/22 20:35*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*56 - 136*		*08/29/22 20:35*	*1*
Dibromofluoromethane (Surr)	*104*		*73 - 120*		*08/29/22 20:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*62 - 137*		*08/29/22 20:35*	*1*
Toluene-d8 (Surr)	*98*		*78 - 122*		*08/29/22 20:35*	*1*

Client Sample ID: MSA-SW42C-082222 Lab Sample ID: 240-171981-19

Date Collected: 08/22/22 12:31 **Matrix: Water**
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.4	U	10	5.4	ug/L			08/29/22 20:59	1
Benzene	0.42	U	1.0	0.42	ug/L			08/29/22 20:59	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			08/29/22 20:59	1
Bromochloromethane	0.54	U	1.0	0.54	ug/L			08/29/22 20:59	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			08/29/22 20:59	1
Bromoform	0.76	U	1.0	0.76	ug/L			08/29/22 20:59	1
Bromomethane	0.42	U	1.0	0.42	ug/L			08/29/22 20:59	1
2-Butanone	1.2	U	10	1.2	ug/L			08/29/22 20:59	1
Carbon disulfide	0.59	U	1.0	0.59	ug/L			08/29/22 20:59	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			08/29/22 20:59	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			08/29/22 20:59	1
Chloroethane	0.83	U	1.0	0.83	ug/L			08/29/22 20:59	1
2-Chloroethyl vinyl ether	1.5	U	10	1.5	ug/L			08/29/22 20:59	1
Chloroform	0.47	U	1.0	0.47	ug/L			08/29/22 20:59	1
Chloromethane	0.63	U	1.0	0.63	ug/L			08/29/22 20:59	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			08/29/22 20:59	1
4-Chlorotoluene	0.43	U	1.0	0.43	ug/L			08/29/22 20:59	1
cis-1,2-Dichloroethene	0.46	U	1.0	0.46	ug/L			08/29/22 20:59	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			08/29/22 20:59	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			08/29/22 20:59	1
1,2-Dibromo-3-Chloropropane	0.91	U	2.0	0.91	ug/L			08/29/22 20:59	1
1,2-Dibromoethane	0.41	U	1.0	0.41	ug/L			08/29/22 20:59	1

Client Sample ID: MSA-SW42C-082222

Date Collected: 08/22/22 12:31
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-19

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	0.40	U	1.0	0.40	ug/L			08/29/22 20:59	1
1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L			08/29/22 20:59	1
1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L			08/29/22 20:59	1
1,4-Dichlorobenzene	0.41	U	1.0	0.41	ug/L			08/29/22 20:59	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			08/29/22 20:59	1
1,1-Dichloroethane	0.47	U	1.0	0.47	ug/L			08/29/22 20:59	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			08/29/22 20:59	1
1,1-Dichloroethene	0.49	U	1.0	0.49	ug/L			08/29/22 20:59	1
1,2-Dichloropropane	0.47	U	1.0	0.47	ug/L			08/29/22 20:59	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			08/29/22 20:59	1
2,2-Dichloropropane	0.78	U	1.0	0.78	ug/L			08/29/22 20:59	1
1,1-Dichloropropene	0.36	U	1.0	0.36	ug/L			08/29/22 20:59	1
Diisopropyl ether	0.17	U	10	0.17	ug/L			08/29/22 20:59	1
Ethylbenzene	0.42	U	1.0	0.42	ug/L			08/29/22 20:59	1
Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40	ug/L			08/29/22 20:59	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			08/29/22 20:59	1
2-Hexanone	1.1	U	10	1.1	ug/L			08/29/22 20:59	1
Isopropylbenzene	0.49	U	1.0	0.49	ug/L			08/29/22 20:59	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			08/29/22 20:59	1
4-Methyl-2-pentanone	0.99	U	10	0.99	ug/L			08/29/22 20:59	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			08/29/22 20:59	1
m-Xylene & p-Xylene	0.42	U	2.0	0.42	ug/L			08/29/22 20:59	1
Naphthalene	0.80	U	1.0	0.80	ug/L			08/29/22 20:59	1
n-Butylbenzene	0.60	U	1.0	0.60	ug/L			08/29/22 20:59	1
n-Propylbenzene	0.57	U	1.0	0.57	ug/L			08/29/22 20:59	1
o-Xylene	0.42	U	1.0	0.42	ug/L			08/29/22 20:59	1
p-Isopropyltoluene	0.56	U	1.0	0.56	ug/L			08/29/22 20:59	1
sec-Butylbenzene	0.53	U	1.0	0.53	ug/L			08/29/22 20:59	1
Styrene	0.45	U	1.0	0.45	ug/L			08/29/22 20:59	1
Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43	ug/L			08/29/22 20:59	1
tert-Butyl alcohol	7.2	U	40	7.2	ug/L			08/29/22 20:59	1
tert-Butylbenzene	0.48	U	1.0	0.48	ug/L			08/29/22 20:59	1
1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43	ug/L			08/29/22 20:59	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	ug/L			08/29/22 20:59	1
Tetrachloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 20:59	1
Toluene	0.44	U	1.0	0.44	ug/L			08/29/22 20:59	1
trans-1,2-Dichloroethene	0.51	U	1.0	0.51	ug/L			08/29/22 20:59	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			08/29/22 20:59	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			08/29/22 20:59	1
1,2,4-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/29/22 20:59	1
1,1,1-Trichloroethane	0.48	U	1.0	0.48	ug/L			08/29/22 20:59	1
Trichloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 20:59	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			08/29/22 20:59	1
1,2,3-Trichloropropane	0.52	U	1.0	0.52	ug/L			08/29/22 20:59	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			08/29/22 20:59	1
1,2,3-Trimethylbenzene	0.31	U	5.0	0.31	ug/L			08/29/22 20:59	1
1,2,4-Trimethylbenzene	0.52	U	1.0	0.52	ug/L			08/29/22 20:59	1
Vinyl acetate	0.61	U	2.0	0.61	ug/L			08/29/22 20:59	1
Vinyl chloride	0.45	U	1.0	0.45	ug/L			08/29/22 20:59	1

Client Sample ID: MSA-SW42C-082222

Lab Sample ID: 240-171981-19

Date Collected: 08/22/22 12:31
Matrix: Water
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.42	U	2.0	0.42	ug/L			08/29/22 20:59	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*		*08/29/22 20:59*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*56 - 136*		*08/29/22 20:59*	*1*
Dibromofluoromethane (Surr)	*103*		*73 - 120*		*08/29/22 20:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*62 - 137*		*08/29/22 20:59*	*1*
Toluene-d8 (Surr)	*96*		*78 - 122*		*08/29/22 20:59*	*1*

Client Sample ID: MSA-SW42D-082222

Lab Sample ID: 240-171981-20

Date Collected: 08/22/22 12:35
Matrix: Water
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.4	U	10	5.4	ug/L			08/30/22 17:44	1
Benzene	0.42	U	1.0	0.42	ug/L			08/30/22 17:44	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			08/30/22 17:44	1
Bromochloromethane	0.54	U	1.0	0.54	ug/L			08/30/22 17:44	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			08/30/22 17:44	1
Bromoform	0.76	U *+	1.0	0.76	ug/L			08/30/22 17:44	1
Bromomethane	0.42	U	1.0	0.42	ug/L			08/30/22 17:44	1
2-Butanone	1.2	U	10	1.2	ug/L			08/30/22 17:44	1
Carbon disulfide	0.59	U	1.0	0.59	ug/L			08/30/22 17:44	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			08/30/22 17:44	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			08/30/22 17:44	1
Chloroethane	0.83	U	1.0	0.83	ug/L			08/30/22 17:44	1
2-Chloroethyl vinyl ether	1.5	U	10	1.5	ug/L			08/30/22 17:44	1
Chloroform	0.47	U	1.0	0.47	ug/L			08/30/22 17:44	1
Chloromethane	0.63	U	1.0	0.63	ug/L			08/30/22 17:44	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			08/30/22 17:44	1
4-Chlorotoluene	0.43	U	1.0	0.43	ug/L			08/30/22 17:44	1
cis-1,2-Dichloroethene	0.46	U	1.0	0.46	ug/L			08/30/22 17:44	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			08/30/22 17:44	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			08/30/22 17:44	1
1,2-Dibromo-3-Chloropropane	0.91	U	2.0	0.91	ug/L			08/30/22 17:44	1
1,2-Dibromoethane	0.41	U	1.0	0.41	ug/L			08/30/22 17:44	1
Dibromomethane	0.40	U	1.0	0.40	ug/L			08/30/22 17:44	1
1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L			08/30/22 17:44	1
1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L			08/30/22 17:44	1
1,4-Dichlorobenzene	0.41	U	1.0	0.41	ug/L			08/30/22 17:44	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			08/30/22 17:44	1
1,1-Dichloroethane	0.47	U	1.0	0.47	ug/L			08/30/22 17:44	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			08/30/22 17:44	1
1,1-Dichloroethene	0.49	U	1.0	0.49	ug/L			08/30/22 17:44	1
1,2-Dichloropropane	0.47	U	1.0	0.47	ug/L			08/30/22 17:44	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			08/30/22 17:44	1
2,2-Dichloropropane	0.78	U	1.0	0.78	ug/L			08/30/22 17:44	1

Client Sample ID: MSA-SW42D-082222

Date Collected: 08/22/22 12:35
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-20

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	0.36	U	1.0	0.36	ug/L			08/30/22 17:44	1
Diisopropyl ether	0.17	U	10	0.17	ug/L			08/30/22 17:44	1
Ethylbenzene	0.42	U	1.0	0.42	ug/L			08/30/22 17:44	1
Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40	ug/L			08/30/22 17:44	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			08/30/22 17:44	1
2-Hexanone	1.1	U	10	1.1	ug/L			08/30/22 17:44	1
Isopropylbenzene	0.49	U	1.0	0.49	ug/L			08/30/22 17:44	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			08/30/22 17:44	1
4-Methyl-2-pentanone	0.99	U	10	0.99	ug/L			08/30/22 17:44	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			08/30/22 17:44	1
m-Xylene & p-Xylene	0.42	U	2.0	0.42	ug/L			08/30/22 17:44	1
Naphthalene	0.80	U	1.0	0.80	ug/L			08/30/22 17:44	1
n-Butylbenzene	0.60	U	1.0	0.60	ug/L			08/30/22 17:44	1
n-Propylbenzene	0.57	U	1.0	0.57	ug/L			08/30/22 17:44	1
o-Xylene	0.42	U	1.0	0.42	ug/L			08/30/22 17:44	1
p-Isopropyltoluene	0.56	U	1.0	0.56	ug/L			08/30/22 17:44	1
sec-Butylbenzene	0.53	U	1.0	0.53	ug/L			08/30/22 17:44	1
Styrene	0.45	U	1.0	0.45	ug/L			08/30/22 17:44	1
Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43	ug/L			08/30/22 17:44	1
tert-Butyl alcohol	7.2	U	40	7.2	ug/L			08/30/22 17:44	1
tert-Butylbenzene	0.48	U	1.0	0.48	ug/L			08/30/22 17:44	1
1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43	ug/L			08/30/22 17:44	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	ug/L			08/30/22 17:44	1
Tetrachloroethene	0.44	U	1.0	0.44	ug/L			08/30/22 17:44	1
Toluene	0.44	U	1.0	0.44	ug/L			08/30/22 17:44	1
trans-1,2-Dichloroethene	0.51	U	1.0	0.51	ug/L			08/30/22 17:44	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			08/30/22 17:44	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			08/30/22 17:44	1
1,2,4-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/30/22 17:44	1
1,1,1-Trichloroethane	0.48	U	1.0	0.48	ug/L			08/30/22 17:44	1
Trichloroethene	0.44	U	1.0	0.44	ug/L			08/30/22 17:44	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			08/30/22 17:44	1
1,2,3-Trichloropropane	0.52	U	1.0	0.52	ug/L			08/30/22 17:44	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			08/30/22 17:44	1
1,2,3-Trimethylbenzene	0.31	U	5.0	0.31	ug/L			08/30/22 17:44	1
1,2,4-Trimethylbenzene	0.52	U	1.0	0.52	ug/L			08/30/22 17:44	1
Vinyl acetate	0.61	U	2.0	0.61	ug/L			08/30/22 17:44	1
Vinyl chloride	0.45	U	1.0	0.45	ug/L			08/30/22 17:44	1
Xylenes, Total	0.42	U	2.0	0.42	ug/L			08/30/22 17:44	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/30/22 17:44*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*56 - 136*		*08/30/22 17:44*	*1*
Dibromofluoromethane (Surr)	*108*		*73 - 120*		*08/30/22 17:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*62 - 137*		*08/30/22 17:44*	*1*
Toluene-d8 (Surr)	*101*		*78 - 122*		*08/30/22 17:44*	*1*

Client Sample ID: MSA-SW43A-082222

Date Collected: 08/22/22 11:12
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-21

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.4	U	10	5.4	ug/L			08/30/22 18:08	1
Benzene	0.42	U	1.0	0.42	ug/L			08/30/22 18:08	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			08/30/22 18:08	1
Bromochloromethane	0.54	U	1.0	0.54	ug/L			08/30/22 18:08	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			08/30/22 18:08	1
Bromoform	0.76	U *+	1.0	0.76	ug/L			08/30/22 18:08	1
Bromomethane	0.42	U	1.0	0.42	ug/L			08/30/22 18:08	1
2-Butanone	1.2	U	10	1.2	ug/L			08/30/22 18:08	1
Carbon disulfide	0.59	U	1.0	0.59	ug/L			08/30/22 18:08	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			08/30/22 18:08	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			08/30/22 18:08	1
Chloroethane	0.83	U	1.0	0.83	ug/L			08/30/22 18:08	1
2-Chloroethyl vinyl ether	1.5	U	10	1.5	ug/L			08/30/22 18:08	1
Chloroform	0.47	U	1.0	0.47	ug/L			08/30/22 18:08	1
Chloromethane	0.63	U	1.0	0.63	ug/L			08/30/22 18:08	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			08/30/22 18:08	1
4-Chlorotoluene	0.43	U	1.0	0.43	ug/L			08/30/22 18:08	1
cis-1,2-Dichloroethene	0.46	U	1.0	0.46	ug/L			08/30/22 18:08	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			08/30/22 18:08	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			08/30/22 18:08	1
1,2-Dibromo-3-Chloropropane	0.91	U	2.0	0.91	ug/L			08/30/22 18:08	1
1,2-Dibromoethane	0.41	U	1.0	0.41	ug/L			08/30/22 18:08	1
Dibromomethane	0.40	U	1.0	0.40	ug/L			08/30/22 18:08	1
1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L			08/30/22 18:08	1
1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L			08/30/22 18:08	1
1,4-Dichlorobenzene	0.41	U	1.0	0.41	ug/L			08/30/22 18:08	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			08/30/22 18:08	1
1,1-Dichloroethane	0.47	U	1.0	0.47	ug/L			08/30/22 18:08	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			08/30/22 18:08	1
1,1-Dichloroethene	0.49	U	1.0	0.49	ug/L			08/30/22 18:08	1
1,2-Dichloropropane	0.47	U	1.0	0.47	ug/L			08/30/22 18:08	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			08/30/22 18:08	1
2,2-Dichloropropane	0.78	U	1.0	0.78	ug/L			08/30/22 18:08	1
1,1-Dichloropropene	0.36	U	1.0	0.36	ug/L			08/30/22 18:08	1
Diisopropyl ether	0.17	U	10	0.17	ug/L			08/30/22 18:08	1
Ethylbenzene	0.42	U	1.0	0.42	ug/L			08/30/22 18:08	1
Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40	ug/L			08/30/22 18:08	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			08/30/22 18:08	1
2-Hexanone	1.1	U	10	1.1	ug/L			08/30/22 18:08	1
Isopropylbenzene	0.49	U	1.0	0.49	ug/L			08/30/22 18:08	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			08/30/22 18:08	1
4-Methyl-2-pentanone	0.99	U	10	0.99	ug/L			08/30/22 18:08	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			08/30/22 18:08	1
m-Xylene & p-Xylene	0.42	U	2.0	0.42	ug/L			08/30/22 18:08	1
Naphthalene	0.80	U	1.0	0.80	ug/L			08/30/22 18:08	1
n-Butylbenzene	0.60	U	1.0	0.60	ug/L			08/30/22 18:08	1
n-Propylbenzene	0.57	U	1.0	0.57	ug/L			08/30/22 18:08	1
o-Xylene	0.42	U	1.0	0.42	ug/L			08/30/22 18:08	1
p-Isopropyltoluene	0.56	U	1.0	0.56	ug/L			08/30/22 18:08	1

Client Sample ID: MSA-SW43A-082222

Lab Sample ID: 240-171981-21

Date Collected: 08/22/22 11:12
Matrix: Water
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	0.53	U	1.0	0.53	ug/L			08/30/22 18:08	1
Styrene	0.45	U	1.0	0.45	ug/L			08/30/22 18:08	1
Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43	ug/L			08/30/22 18:08	1
tert-Butyl alcohol	7.2	U	40	7.2	ug/L			08/30/22 18:08	1
tert-Butylbenzene	0.48	U	1.0	0.48	ug/L			08/30/22 18:08	1
1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43	ug/L			08/30/22 18:08	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	ug/L			08/30/22 18:08	1
Tetrachloroethene	0.44	U	1.0	0.44	ug/L			08/30/22 18:08	1
Toluene	0.44	U	1.0	0.44	ug/L			08/30/22 18:08	1
trans-1,2-Dichloroethene	0.51	U	1.0	0.51	ug/L			08/30/22 18:08	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			08/30/22 18:08	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			08/30/22 18:08	1
1,2,4-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/30/22 18:08	1
1,1,1-Trichloroethane	0.48	U	1.0	0.48	ug/L			08/30/22 18:08	1
Trichloroethene	0.44	U	1.0	0.44	ug/L			08/30/22 18:08	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			08/30/22 18:08	1
1,2,3-Trichloropropane	0.52	U	1.0	0.52	ug/L			08/30/22 18:08	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			08/30/22 18:08	1
1,2,3-Trimethylbenzene	0.31	U	5.0	0.31	ug/L			08/30/22 18:08	1
1,2,4-Trimethylbenzene	0.52	U	1.0	0.52	ug/L			08/30/22 18:08	1
Vinyl acetate	0.61	U	2.0	0.61	ug/L			08/30/22 18:08	1
Vinyl chloride	0.45	U	1.0	0.45	ug/L			08/30/22 18:08	1
Xylenes, Total	0.42	U	2.0	0.42	ug/L			08/30/22 18:08	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*		*08/30/22 18:08*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*56 - 136*		*08/30/22 18:08*	*1*
Dibromofluoromethane (Surr)	*108*		*73 - 120*		*08/30/22 18:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*62 - 137*		*08/30/22 18:08*	*1*
Toluene-d8 (Surr)	*103*		*78 - 122*		*08/30/22 18:08*	*1*

Client Sample ID: MSA-SW43B-082222

Lab Sample ID: 240-171981-22

Date Collected: 08/22/22 11:17
Matrix: Water
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.4	U	10	5.4	ug/L			08/30/22 18:31	1
Benzene	0.42	U	1.0	0.42	ug/L			08/30/22 18:31	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			08/30/22 18:31	1
Bromochloromethane	0.54	U	1.0	0.54	ug/L			08/30/22 18:31	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			08/30/22 18:31	1
Bromoform	0.76	U *+	1.0	0.76	ug/L			08/30/22 18:31	1
Bromomethane	0.42	U	1.0	0.42	ug/L			08/30/22 18:31	1
2-Butanone	1.2	U	10	1.2	ug/L			08/30/22 18:31	1
Carbon disulfide	0.59	U	1.0	0.59	ug/L			08/30/22 18:31	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			08/30/22 18:31	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			08/30/22 18:31	1

Client Sample ID: MSA-SW43B-082222

Date Collected: 08/22/22 11:17
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-22

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	0.83	U	1.0	0.83	ug/L			08/30/22 18:31	1
2-Chloroethyl vinyl ether	1.5	U	10	1.5	ug/L			08/30/22 18:31	1
Chloroform	0.47	U	1.0	0.47	ug/L			08/30/22 18:31	1
Chloromethane	0.63	U	1.0	0.63	ug/L			08/30/22 18:31	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			08/30/22 18:31	1
4-Chlorotoluene	0.43	U	1.0	0.43	ug/L			08/30/22 18:31	1
cis-1,2-Dichloroethene	0.46	U	1.0	0.46	ug/L			08/30/22 18:31	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			08/30/22 18:31	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			08/30/22 18:31	1
1,2-Dibromo-3-Chloropropane	0.91	U	2.0	0.91	ug/L			08/30/22 18:31	1
1,2-Dibromoethane	0.41	U	1.0	0.41	ug/L			08/30/22 18:31	1
Dibromomethane	0.40	U	1.0	0.40	ug/L			08/30/22 18:31	1
1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L			08/30/22 18:31	1
1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L			08/30/22 18:31	1
1,4-Dichlorobenzene	0.41	U	1.0	0.41	ug/L			08/30/22 18:31	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			08/30/22 18:31	1
1,1-Dichloroethane	0.47	U	1.0	0.47	ug/L			08/30/22 18:31	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			08/30/22 18:31	1
1,1-Dichloroethene	0.49	U	1.0	0.49	ug/L			08/30/22 18:31	1
1,2-Dichloropropane	0.47	U	1.0	0.47	ug/L			08/30/22 18:31	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			08/30/22 18:31	1
2,2-Dichloropropane	0.78	U	1.0	0.78	ug/L			08/30/22 18:31	1
1,1-Dichloropropene	0.36	U	1.0	0.36	ug/L			08/30/22 18:31	1
Diisopropyl ether	0.17	U	10	0.17	ug/L			08/30/22 18:31	1
Ethylbenzene	0.42	U	1.0	0.42	ug/L			08/30/22 18:31	1
Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40	ug/L			08/30/22 18:31	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			08/30/22 18:31	1
2-Hexanone	1.1	U	10	1.1	ug/L			08/30/22 18:31	1
Isopropylbenzene	0.49	U	1.0	0.49	ug/L			08/30/22 18:31	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			08/30/22 18:31	1
4-Methyl-2-pentanone	0.99	U	10	0.99	ug/L			08/30/22 18:31	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			08/30/22 18:31	1
m-Xylene & p-Xylene	0.42	U	2.0	0.42	ug/L			08/30/22 18:31	1
Naphthalene	0.80	U	1.0	0.80	ug/L			08/30/22 18:31	1
n-Butylbenzene	0.60	U	1.0	0.60	ug/L			08/30/22 18:31	1
n-Propylbenzene	0.57	U	1.0	0.57	ug/L			08/30/22 18:31	1
o-Xylene	0.42	U	1.0	0.42	ug/L			08/30/22 18:31	1
p-Isopropyltoluene	0.56	U	1.0	0.56	ug/L			08/30/22 18:31	1
sec-Butylbenzene	0.53	U	1.0	0.53	ug/L			08/30/22 18:31	1
Styrene	0.45	U	1.0	0.45	ug/L			08/30/22 18:31	1
Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43	ug/L			08/30/22 18:31	1
tert-Butyl alcohol	7.2	U	40	7.2	ug/L			08/30/22 18:31	1
tert-Butylbenzene	0.48	U	1.0	0.48	ug/L			08/30/22 18:31	1
1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43	ug/L			08/30/22 18:31	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	ug/L			08/30/22 18:31	1
Tetrachloroethene	0.44	U	1.0	0.44	ug/L			08/30/22 18:31	1
Toluene	0.44	U	1.0	0.44	ug/L			08/30/22 18:31	1
trans-1,2-Dichloroethene	0.51	U	1.0	0.51	ug/L			08/30/22 18:31	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			08/30/22 18:31	1

Client Sample ID: MSA-SW43B-082222 Lab Sample ID: 240-171981-22

Date Collected: 08/22/22 11:17 **Matrix: Water**
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			08/30/22 18:31	1
1,2,4-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/30/22 18:31	1
1,1,1-Trichloroethane	0.48	U	1.0	0.48	ug/L			08/30/22 18:31	1
Trichloroethene	0.44	U	1.0	0.44	ug/L			08/30/22 18:31	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			08/30/22 18:31	1
1,2,3-Trichloropropane	0.52	U	1.0	0.52	ug/L			08/30/22 18:31	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			08/30/22 18:31	1
1,2,3-Trimethylbenzene	0.31	U	5.0	0.31	ug/L			08/30/22 18:31	1
1,2,4-Trimethylbenzene	0.52	U	1.0	0.52	ug/L			08/30/22 18:31	1
Vinyl acetate	0.61	U	2.0	0.61	ug/L			08/30/22 18:31	1
Vinyl chloride	0.45	U	1.0	0.45	ug/L			08/30/22 18:31	1
Xylenes, Total	0.42	U	2.0	0.42	ug/L			08/30/22 18:31	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/30/22 18:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*56 - 136*		*08/30/22 18:31*	*1*
Dibromofluoromethane (Surr)	*106*		*73 - 120*		*08/30/22 18:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*62 - 137*		*08/30/22 18:31*	*1*
Toluene-d8 (Surr)	*100*		*78 - 122*		*08/30/22 18:31*	*1*

Client Sample ID: MSA-SW43C-082222 Lab Sample ID: 240-171981-23

Date Collected: 08/22/22 11:19 **Matrix: Water**
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.4	U	10	5.4	ug/L			08/30/22 18:55	1
Benzene	0.42	U	1.0	0.42	ug/L			08/30/22 18:55	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			08/30/22 18:55	1
Bromochloromethane	0.54	U	1.0	0.54	ug/L			08/30/22 18:55	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			08/30/22 18:55	1
Bromoform	0.76	U *+	1.0	0.76	ug/L			08/30/22 18:55	1
Bromomethane	0.42	U	1.0	0.42	ug/L			08/30/22 18:55	1
2-Butanone	1.2	U	10	1.2	ug/L			08/30/22 18:55	1
Carbon disulfide	0.59	U	1.0	0.59	ug/L			08/30/22 18:55	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			08/30/22 18:55	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			08/30/22 18:55	1
Chloroethane	0.83	U	1.0	0.83	ug/L			08/30/22 18:55	1
2-Chloroethyl vinyl ether	1.5	U	10	1.5	ug/L			08/30/22 18:55	1
Chloroform	0.47	U	1.0	0.47	ug/L			08/30/22 18:55	1
Chloromethane	0.63	U	1.0	0.63	ug/L			08/30/22 18:55	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			08/30/22 18:55	1
4-Chlorotoluene	0.43	U	1.0	0.43	ug/L			08/30/22 18:55	1
cis-1,2-Dichloroethene	0.46	U	1.0	0.46	ug/L			08/30/22 18:55	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			08/30/22 18:55	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			08/30/22 18:55	1
1,2-Dibromo-3-Chloropropane	0.91	U	2.0	0.91	ug/L			08/30/22 18:55	1
1,2-Dibromoethane	0.41	U	1.0	0.41	ug/L			08/30/22 18:55	1

Client Sample ID: MSA-SW43C-082222

Date Collected: 08/22/22 11:19
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-23

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	0.40	U	1.0	0.40	ug/L			08/30/22 18:55	1
1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L			08/30/22 18:55	1
1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L			08/30/22 18:55	1
1,4-Dichlorobenzene	0.41	U	1.0	0.41	ug/L			08/30/22 18:55	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			08/30/22 18:55	1
1,1-Dichloroethane	0.47	U	1.0	0.47	ug/L			08/30/22 18:55	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			08/30/22 18:55	1
1,1-Dichloroethene	0.49	U	1.0	0.49	ug/L			08/30/22 18:55	1
1,2-Dichloropropane	0.47	U	1.0	0.47	ug/L			08/30/22 18:55	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			08/30/22 18:55	1
2,2-Dichloropropane	0.78	U	1.0	0.78	ug/L			08/30/22 18:55	1
1,1-Dichloropropene	0.36	U	1.0	0.36	ug/L			08/30/22 18:55	1
Diisopropyl ether	0.17	U	10	0.17	ug/L			08/30/22 18:55	1
Ethylbenzene	0.42	U	1.0	0.42	ug/L			08/30/22 18:55	1
Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40	ug/L			08/30/22 18:55	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			08/30/22 18:55	1
2-Hexanone	1.1	U	10	1.1	ug/L			08/30/22 18:55	1
Isopropylbenzene	0.49	U	1.0	0.49	ug/L			08/30/22 18:55	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			08/30/22 18:55	1
4-Methyl-2-pentanone	0.99	U	10	0.99	ug/L			08/30/22 18:55	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			08/30/22 18:55	1
m-Xylene & p-Xylene	0.42	U	2.0	0.42	ug/L			08/30/22 18:55	1
Naphthalene	0.80	U	1.0	0.80	ug/L			08/30/22 18:55	1
n-Butylbenzene	0.60	U	1.0	0.60	ug/L			08/30/22 18:55	1
n-Propylbenzene	0.57	U	1.0	0.57	ug/L			08/30/22 18:55	1
o-Xylene	0.42	U	1.0	0.42	ug/L			08/30/22 18:55	1
p-Isopropyltoluene	0.56	U	1.0	0.56	ug/L			08/30/22 18:55	1
sec-Butylbenzene	0.53	U	1.0	0.53	ug/L			08/30/22 18:55	1
Styrene	0.45	U	1.0	0.45	ug/L			08/30/22 18:55	1
Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43	ug/L			08/30/22 18:55	1
tert-Butyl alcohol	7.2	U	40	7.2	ug/L			08/30/22 18:55	1
tert-Butylbenzene	0.48	U	1.0	0.48	ug/L			08/30/22 18:55	1
1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43	ug/L			08/30/22 18:55	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	ug/L			08/30/22 18:55	1
Tetrachloroethene	0.44	U	1.0	0.44	ug/L			08/30/22 18:55	1
Toluene	0.44	U	1.0	0.44	ug/L			08/30/22 18:55	1
trans-1,2-Dichloroethene	0.51	U	1.0	0.51	ug/L			08/30/22 18:55	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			08/30/22 18:55	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			08/30/22 18:55	1
1,2,4-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/30/22 18:55	1
1,1,1-Trichloroethane	0.48	U	1.0	0.48	ug/L			08/30/22 18:55	1
Trichloroethene	0.44	U	1.0	0.44	ug/L			08/30/22 18:55	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			08/30/22 18:55	1
1,2,3-Trichloropropane	0.52	U	1.0	0.52	ug/L			08/30/22 18:55	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			08/30/22 18:55	1
1,2,3-Trimethylbenzene	0.31	U	5.0	0.31	ug/L			08/30/22 18:55	1
1,2,4-Trimethylbenzene	0.52	U	1.0	0.52	ug/L			08/30/22 18:55	1
Vinyl acetate	0.61	U	2.0	0.61	ug/L			08/30/22 18:55	1
Vinyl chloride	0.45	U	1.0	0.45	ug/L			08/30/22 18:55	1

Client Sample ID: MSA-SW43C-082222

Lab Sample ID: 240-171981-23

Date Collected: 08/22/22 11:19
Matrix: Water
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.42	U	2.0	0.42	ug/L			08/30/22 18:55	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*		*08/30/22 18:55*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*56 - 136*		*08/30/22 18:55*	*1*
Dibromofluoromethane (Surr)	*108*		*73 - 120*		*08/30/22 18:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*62 - 137*		*08/30/22 18:55*	*1*
Toluene-d8 (Surr)	*102*		*78 - 122*		*08/30/22 18:55*	*1*

Client Sample ID: MSA-SW43D-082222

Lab Sample ID: 240-171981-24

Date Collected: 08/22/22 11:25
Matrix: Water
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.4	U	10	5.4	ug/L			08/30/22 19:18	1
Benzene	0.42	U	1.0	0.42	ug/L			08/30/22 19:18	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			08/30/22 19:18	1
Bromochloromethane	0.54	U	1.0	0.54	ug/L			08/30/22 19:18	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			08/30/22 19:18	1
Bromoform	0.76	U *+	1.0	0.76	ug/L			08/30/22 19:18	1
Bromomethane	0.42	U	1.0	0.42	ug/L			08/30/22 19:18	1
2-Butanone	1.2	U	10	1.2	ug/L			08/30/22 19:18	1
Carbon disulfide	0.59	U	1.0	0.59	ug/L			08/30/22 19:18	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			08/30/22 19:18	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			08/30/22 19:18	1
Chloroethane	0.83	U	1.0	0.83	ug/L			08/30/22 19:18	1
2-Chloroethyl vinyl ether	1.5	U	10	1.5	ug/L			08/30/22 19:18	1
Chloroform	0.47	U	1.0	0.47	ug/L			08/30/22 19:18	1
Chloromethane	0.63	U	1.0	0.63	ug/L			08/30/22 19:18	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			08/30/22 19:18	1
4-Chlorotoluene	0.43	U	1.0	0.43	ug/L			08/30/22 19:18	1
cis-1,2-Dichloroethene	0.46	U	1.0	0.46	ug/L			08/30/22 19:18	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			08/30/22 19:18	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			08/30/22 19:18	1
1,2-Dibromo-3-Chloropropane	0.91	U	2.0	0.91	ug/L			08/30/22 19:18	1
1,2-Dibromoethane	0.41	U	1.0	0.41	ug/L			08/30/22 19:18	1
Dibromomethane	0.40	U	1.0	0.40	ug/L			08/30/22 19:18	1
1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L			08/30/22 19:18	1
1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L			08/30/22 19:18	1
1,4-Dichlorobenzene	0.41	U	1.0	0.41	ug/L			08/30/22 19:18	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			08/30/22 19:18	1
1,1-Dichloroethane	0.47	U	1.0	0.47	ug/L			08/30/22 19:18	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			08/30/22 19:18	1
1,1-Dichloroethene	0.49	U	1.0	0.49	ug/L			08/30/22 19:18	1
1,2-Dichloropropane	0.47	U	1.0	0.47	ug/L			08/30/22 19:18	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			08/30/22 19:18	1
2,2-Dichloropropane	0.78	U	1.0	0.78	ug/L			08/30/22 19:18	1

Client Sample ID: MSA-SW43D-082222

Date Collected: 08/22/22 11:25
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-24

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	0.36	U	1.0	0.36	ug/L			08/30/22 19:18	1
Diisopropyl ether	0.17	U	10	0.17	ug/L			08/30/22 19:18	1
Ethylbenzene	0.42	U	1.0	0.42	ug/L			08/30/22 19:18	1
Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40	ug/L			08/30/22 19:18	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			08/30/22 19:18	1
2-Hexanone	1.1	U	10	1.1	ug/L			08/30/22 19:18	1
Isopropylbenzene	0.49	U	1.0	0.49	ug/L			08/30/22 19:18	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			08/30/22 19:18	1
4-Methyl-2-pentanone	0.99	U	10	0.99	ug/L			08/30/22 19:18	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			08/30/22 19:18	1
m-Xylene & p-Xylene	0.42	U	2.0	0.42	ug/L			08/30/22 19:18	1
Naphthalene	0.80	U	1.0	0.80	ug/L			08/30/22 19:18	1
n-Butylbenzene	0.60	U	1.0	0.60	ug/L			08/30/22 19:18	1
n-Propylbenzene	0.57	U	1.0	0.57	ug/L			08/30/22 19:18	1
o-Xylene	0.42	U	1.0	0.42	ug/L			08/30/22 19:18	1
p-Isopropyltoluene	0.56	U	1.0	0.56	ug/L			08/30/22 19:18	1
sec-Butylbenzene	0.53	U	1.0	0.53	ug/L			08/30/22 19:18	1
Styrene	0.45	U	1.0	0.45	ug/L			08/30/22 19:18	1
Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43	ug/L			08/30/22 19:18	1
tert-Butyl alcohol	7.2	U	40	7.2	ug/L			08/30/22 19:18	1
tert-Butylbenzene	0.48	U	1.0	0.48	ug/L			08/30/22 19:18	1
1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43	ug/L			08/30/22 19:18	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	ug/L			08/30/22 19:18	1
Tetrachloroethene	0.44	U	1.0	0.44	ug/L			08/30/22 19:18	1
Toluene	0.44	U	1.0	0.44	ug/L			08/30/22 19:18	1
trans-1,2-Dichloroethene	0.51	U	1.0	0.51	ug/L			08/30/22 19:18	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			08/30/22 19:18	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			08/30/22 19:18	1
1,2,4-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/30/22 19:18	1
1,1,1-Trichloroethane	0.48	U	1.0	0.48	ug/L			08/30/22 19:18	1
Trichloroethene	0.44	U	1.0	0.44	ug/L			08/30/22 19:18	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			08/30/22 19:18	1
1,2,3-Trichloropropane	0.52	U	1.0	0.52	ug/L			08/30/22 19:18	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			08/30/22 19:18	1
1,2,3-Trimethylbenzene	0.31	U	5.0	0.31	ug/L			08/30/22 19:18	1
1,2,4-Trimethylbenzene	0.52	U	1.0	0.52	ug/L			08/30/22 19:18	1
Vinyl acetate	0.61	U	2.0	0.61	ug/L			08/30/22 19:18	1
Vinyl chloride	0.45	U	1.0	0.45	ug/L			08/30/22 19:18	1
Xylenes, Total	0.42	U	2.0	0.42	ug/L			08/30/22 19:18	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/30/22 19:18*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*56 - 136*		*08/30/22 19:18*	*1*
Dibromofluoromethane (Surr)	*107*		*73 - 120*		*08/30/22 19:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*62 - 137*		*08/30/22 19:18*	*1*
Toluene-d8 (Surr)	*100*		*78 - 122*		*08/30/22 19:18*	*1*

Client Sample ID: TB-082222

Date Collected: 08/22/22 00:00
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-25

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.4	U	10	5.4	ug/L			08/30/22 16:57	1
Benzene	0.42	U	1.0	0.42	ug/L			08/30/22 16:57	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			08/30/22 16:57	1
Bromochloromethane	0.54	U	1.0	0.54	ug/L			08/30/22 16:57	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			08/30/22 16:57	1
Bromoform	0.76	U *+	1.0	0.76	ug/L			08/30/22 16:57	1
Bromomethane	0.42	U	1.0	0.42	ug/L			08/30/22 16:57	1
2-Butanone	1.2	U	10	1.2	ug/L			08/30/22 16:57	1
Carbon disulfide	0.59	U	1.0	0.59	ug/L			08/30/22 16:57	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			08/30/22 16:57	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			08/30/22 16:57	1
Chloroethane	0.83	U	1.0	0.83	ug/L			08/30/22 16:57	1
2-Chloroethyl vinyl ether	1.5	U	10	1.5	ug/L			08/30/22 16:57	1
Chloroform	0.47	U	1.0	0.47	ug/L			08/30/22 16:57	1
Chloromethane	0.63	U	1.0	0.63	ug/L			08/30/22 16:57	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			08/30/22 16:57	1
4-Chlorotoluene	0.43	U	1.0	0.43	ug/L			08/30/22 16:57	1
cis-1,2-Dichloroethene	0.46	U	1.0	0.46	ug/L			08/30/22 16:57	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			08/30/22 16:57	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			08/30/22 16:57	1
1,2-Dibromo-3-Chloropropane	0.91	U	2.0	0.91	ug/L			08/30/22 16:57	1
1,2-Dibromoethane	0.41	U	1.0	0.41	ug/L			08/30/22 16:57	1
Dibromomethane	0.40	U	1.0	0.40	ug/L			08/30/22 16:57	1
1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L			08/30/22 16:57	1
1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L			08/30/22 16:57	1
1,4-Dichlorobenzene	0.41	U	1.0	0.41	ug/L			08/30/22 16:57	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			08/30/22 16:57	1
1,1-Dichloroethane	0.47	U	1.0	0.47	ug/L			08/30/22 16:57	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			08/30/22 16:57	1
1,1-Dichloroethene	0.49	U	1.0	0.49	ug/L			08/30/22 16:57	1
1,2-Dichloropropane	0.47	U	1.0	0.47	ug/L			08/30/22 16:57	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			08/30/22 16:57	1
2,2-Dichloropropane	0.78	U	1.0	0.78	ug/L			08/30/22 16:57	1
1,1-Dichloropropene	0.36	U	1.0	0.36	ug/L			08/30/22 16:57	1
Diisopropyl ether	0.17	U	10	0.17	ug/L			08/30/22 16:57	1
Ethylbenzene	0.42	U	1.0	0.42	ug/L			08/30/22 16:57	1
Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40	ug/L			08/30/22 16:57	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			08/30/22 16:57	1
2-Hexanone	1.1	U	10	1.1	ug/L			08/30/22 16:57	1
Isopropylbenzene	0.49	U	1.0	0.49	ug/L			08/30/22 16:57	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			08/30/22 16:57	1
4-Methyl-2-pentanone	0.99	U	10	0.99	ug/L			08/30/22 16:57	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			08/30/22 16:57	1
m-Xylene & p-Xylene	0.42	U	2.0	0.42	ug/L			08/30/22 16:57	1
Naphthalene	0.80	U	1.0	0.80	ug/L			08/30/22 16:57	1
n-Butylbenzene	0.60	U	1.0	0.60	ug/L			08/30/22 16:57	1
n-Propylbenzene	0.57	U	1.0	0.57	ug/L			08/30/22 16:57	1
o-Xylene	0.42	U	1.0	0.42	ug/L			08/30/22 16:57	1
p-Isopropyltoluene	0.56	U	1.0	0.56	ug/L			08/30/22 16:57	1

Client Sample ID: TB-082222

Date Collected: 08/22/22 00:00
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-25

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	0.53	U	1.0	0.53	ug/L			08/30/22 16:57	1
Styrene	0.45	U	1.0	0.45	ug/L			08/30/22 16:57	1
Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43	ug/L			08/30/22 16:57	1
tert-Butyl alcohol	7.2	U	40	7.2	ug/L			08/30/22 16:57	1
tert-Butylbenzene	0.48	U	1.0	0.48	ug/L			08/30/22 16:57	1
1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43	ug/L			08/30/22 16:57	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	ug/L			08/30/22 16:57	1
Tetrachloroethene	0.44	U	1.0	0.44	ug/L			08/30/22 16:57	1
Toluene	0.44	U	1.0	0.44	ug/L			08/30/22 16:57	1
trans-1,2-Dichloroethene	0.51	U	1.0	0.51	ug/L			08/30/22 16:57	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			08/30/22 16:57	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			08/30/22 16:57	1
1,2,4-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/30/22 16:57	1
1,1,1-Trichloroethane	0.48	U	1.0	0.48	ug/L			08/30/22 16:57	1
Trichloroethene	0.44	U	1.0	0.44	ug/L			08/30/22 16:57	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			08/30/22 16:57	1
1,2,3-Trichloropropane	0.52	U	1.0	0.52	ug/L			08/30/22 16:57	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			08/30/22 16:57	1
1,2,3-Trimethylbenzene	0.31	U	5.0	0.31	ug/L			08/30/22 16:57	1
1,2,4-Trimethylbenzene	0.52	U	1.0	0.52	ug/L			08/30/22 16:57	1
Vinyl acetate	0.61	U	2.0	0.61	ug/L			08/30/22 16:57	1
Vinyl chloride	0.45	U	1.0	0.45	ug/L			08/30/22 16:57	1
Xylenes, Total	0.42	U	2.0	0.42	ug/L			08/30/22 16:57	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/30/22 16:57*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*56 - 136*		*08/30/22 16:57*	*1*
Dibromofluoromethane (Surr)	*106*		*73 - 120*		*08/30/22 16:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*62 - 137*		*08/30/22 16:57*	*1*
Toluene-d8 (Surr)	*104*		*78 - 122*		*08/30/22 16:57*	*1*

Client Sample ID: MSA-SW46A-082222

Date Collected: 08/22/22 12:22
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-26

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.4	U	10	5.4	ug/L			08/30/22 19:42	1
Benzene	0.42	U	1.0	0.42	ug/L			08/30/22 19:42	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			08/30/22 19:42	1
Bromochloromethane	0.54	U	1.0	0.54	ug/L			08/30/22 19:42	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			08/30/22 19:42	1
Bromoform	0.76	U *+	1.0	0.76	ug/L			08/30/22 19:42	1
Bromomethane	0.42	U	1.0	0.42	ug/L			08/30/22 19:42	1
2-Butanone	1.2	U	10	1.2	ug/L			08/30/22 19:42	1
Carbon disulfide	0.59	U	1.0	0.59	ug/L			08/30/22 19:42	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			08/30/22 19:42	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			08/30/22 19:42	1

Client Sample ID: MSA-SW46A-082222

Date Collected: 08/22/22 12:22
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-26

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	0.83	U	1.0	0.83	ug/L			08/30/22 19:42	1
2-Chloroethyl vinyl ether	1.5	U	10	1.5	ug/L			08/30/22 19:42	1
Chloroform	0.47	U	1.0	0.47	ug/L			08/30/22 19:42	1
Chloromethane	0.63	U	1.0	0.63	ug/L			08/30/22 19:42	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			08/30/22 19:42	1
4-Chlorotoluene	0.43	U	1.0	0.43	ug/L			08/30/22 19:42	1
cis-1,2-Dichloroethene	0.46	U	1.0	0.46	ug/L			08/30/22 19:42	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			08/30/22 19:42	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			08/30/22 19:42	1
1,2-Dibromo-3-Chloropropane	0.91	U	2.0	0.91	ug/L			08/30/22 19:42	1
1,2-Dibromoethane	0.41	U	1.0	0.41	ug/L			08/30/22 19:42	1
Dibromomethane	0.40	U	1.0	0.40	ug/L			08/30/22 19:42	1
1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L			08/30/22 19:42	1
1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L			08/30/22 19:42	1
1,4-Dichlorobenzene	0.41	U	1.0	0.41	ug/L			08/30/22 19:42	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			08/30/22 19:42	1
1,1-Dichloroethane	0.47	U	1.0	0.47	ug/L			08/30/22 19:42	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			08/30/22 19:42	1
1,1-Dichloroethene	0.49	U	1.0	0.49	ug/L			08/30/22 19:42	1
1,2-Dichloropropane	0.47	U	1.0	0.47	ug/L			08/30/22 19:42	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			08/30/22 19:42	1
2,2-Dichloropropane	0.78	U	1.0	0.78	ug/L			08/30/22 19:42	1
1,1-Dichloropropene	0.36	U	1.0	0.36	ug/L			08/30/22 19:42	1
Diisopropyl ether	0.17	U	10	0.17	ug/L			08/30/22 19:42	1
Ethylbenzene	0.42	U	1.0	0.42	ug/L			08/30/22 19:42	1
Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40	ug/L			08/30/22 19:42	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			08/30/22 19:42	1
2-Hexanone	1.1	U	10	1.1	ug/L			08/30/22 19:42	1
Isopropylbenzene	0.49	U	1.0	0.49	ug/L			08/30/22 19:42	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			08/30/22 19:42	1
4-Methyl-2-pentanone	0.99	U	10	0.99	ug/L			08/30/22 19:42	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			08/30/22 19:42	1
m-Xylene & p-Xylene	0.42	U	2.0	0.42	ug/L			08/30/22 19:42	1
Naphthalene	0.80	U	1.0	0.80	ug/L			08/30/22 19:42	1
n-Butylbenzene	0.60	U	1.0	0.60	ug/L			08/30/22 19:42	1
n-Propylbenzene	0.57	U	1.0	0.57	ug/L			08/30/22 19:42	1
o-Xylene	0.42	U	1.0	0.42	ug/L			08/30/22 19:42	1
p-Isopropyltoluene	0.56	U	1.0	0.56	ug/L			08/30/22 19:42	1
sec-Butylbenzene	0.53	U	1.0	0.53	ug/L			08/30/22 19:42	1
Styrene	0.45	U	1.0	0.45	ug/L			08/30/22 19:42	1
Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43	ug/L			08/30/22 19:42	1
tert-Butyl alcohol	7.2	U	40	7.2	ug/L			08/30/22 19:42	1
tert-Butylbenzene	0.48	U	1.0	0.48	ug/L			08/30/22 19:42	1
1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43	ug/L			08/30/22 19:42	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	ug/L			08/30/22 19:42	1
Tetrachloroethene	0.44	U	1.0	0.44	ug/L			08/30/22 19:42	1
Toluene	0.44	U	1.0	0.44	ug/L			08/30/22 19:42	1
trans-1,2-Dichloroethene	0.51	U	1.0	0.51	ug/L			08/30/22 19:42	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			08/30/22 19:42	1

Client Sample ID: MSA-SW46A-082222

Lab Sample ID: 240-171981-26

Date Collected: 08/22/22 12:22
Matrix: Water
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			08/30/22 19:42	1
1,2,4-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/30/22 19:42	1
1,1,1-Trichloroethane	0.48	U	1.0	0.48	ug/L			08/30/22 19:42	1
Trichloroethene	0.44	U	1.0	0.44	ug/L			08/30/22 19:42	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			08/30/22 19:42	1
1,2,3-Trichloropropane	0.52	U	1.0	0.52	ug/L			08/30/22 19:42	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			08/30/22 19:42	1
1,2,3-Trimethylbenzene	0.31	U	5.0	0.31	ug/L			08/30/22 19:42	1
1,2,4-Trimethylbenzene	0.52	U	1.0	0.52	ug/L			08/30/22 19:42	1
Vinyl acetate	0.61	U	2.0	0.61	ug/L			08/30/22 19:42	1
Vinyl chloride	0.45	U	1.0	0.45	ug/L			08/30/22 19:42	1
Xylenes, Total	0.42	U	2.0	0.42	ug/L			08/30/22 19:42	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/30/22 19:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*56 - 136*		*08/30/22 19:42*	*1*
Dibromofluoromethane (Surr)	*106*		*73 - 120*		*08/30/22 19:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*62 - 137*		*08/30/22 19:42*	*1*
Toluene-d8 (Surr)	*99*		*78 - 122*		*08/30/22 19:42*	*1*

Client Sample ID: MSA-SW47A-082222

Lab Sample ID: 240-171981-27

Date Collected: 08/22/22 12:05
Matrix: Water
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.4	U	10	5.4	ug/L			08/30/22 20:06	1
Benzene	0.42	U	1.0	0.42	ug/L			08/30/22 20:06	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			08/30/22 20:06	1
Bromochloromethane	0.54	U	1.0	0.54	ug/L			08/30/22 20:06	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			08/30/22 20:06	1
Bromoform	0.76	U *+	1.0	0.76	ug/L			08/30/22 20:06	1
Bromomethane	0.42	U	1.0	0.42	ug/L			08/30/22 20:06	1
2-Butanone	1.2	U	10	1.2	ug/L			08/30/22 20:06	1
Carbon disulfide	0.59	U	1.0	0.59	ug/L			08/30/22 20:06	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			08/30/22 20:06	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			08/30/22 20:06	1
Chloroethane	0.83	U	1.0	0.83	ug/L			08/30/22 20:06	1
2-Chloroethyl vinyl ether	1.5	U	10	1.5	ug/L			08/30/22 20:06	1
Chloroform	0.47	U	1.0	0.47	ug/L			08/30/22 20:06	1
Chloromethane	0.63	U	1.0	0.63	ug/L			08/30/22 20:06	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			08/30/22 20:06	1
4-Chlorotoluene	0.43	U	1.0	0.43	ug/L			08/30/22 20:06	1
cis-1,2-Dichloroethene	0.46	U	1.0	0.46	ug/L			08/30/22 20:06	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			08/30/22 20:06	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			08/30/22 20:06	1
1,2-Dibromo-3-Chloropropane	0.91	U	2.0	0.91	ug/L			08/30/22 20:06	1
1,2-Dibromoethane	0.41	U	1.0	0.41	ug/L			08/30/22 20:06	1

Client Sample ID: MSA-SW47A-082222

Date Collected: 08/22/22 12:05
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-27

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	0.40	U	1.0	0.40	ug/L			08/30/22 20:06	1
1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L			08/30/22 20:06	1
1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L			08/30/22 20:06	1
1,4-Dichlorobenzene	0.41	U	1.0	0.41	ug/L			08/30/22 20:06	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			08/30/22 20:06	1
1,1-Dichloroethane	0.47	U	1.0	0.47	ug/L			08/30/22 20:06	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			08/30/22 20:06	1
1,1-Dichloroethene	0.49	U	1.0	0.49	ug/L			08/30/22 20:06	1
1,2-Dichloropropane	0.47	U	1.0	0.47	ug/L			08/30/22 20:06	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			08/30/22 20:06	1
2,2-Dichloropropane	0.78	U	1.0	0.78	ug/L			08/30/22 20:06	1
1,1-Dichloropropene	0.36	U	1.0	0.36	ug/L			08/30/22 20:06	1
Diisopropyl ether	0.17	U	10	0.17	ug/L			08/30/22 20:06	1
Ethylbenzene	0.42	U	1.0	0.42	ug/L			08/30/22 20:06	1
Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40	ug/L			08/30/22 20:06	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			08/30/22 20:06	1
2-Hexanone	1.1	U	10	1.1	ug/L			08/30/22 20:06	1
Isopropylbenzene	0.49	U	1.0	0.49	ug/L			08/30/22 20:06	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			08/30/22 20:06	1
4-Methyl-2-pentanone	0.99	U	10	0.99	ug/L			08/30/22 20:06	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			08/30/22 20:06	1
m-Xylene & p-Xylene	0.42	U	2.0	0.42	ug/L			08/30/22 20:06	1
Naphthalene	0.80	U	1.0	0.80	ug/L			08/30/22 20:06	1
n-Butylbenzene	0.60	U	1.0	0.60	ug/L			08/30/22 20:06	1
n-Propylbenzene	0.57	U	1.0	0.57	ug/L			08/30/22 20:06	1
o-Xylene	0.42	U	1.0	0.42	ug/L			08/30/22 20:06	1
p-Isopropyltoluene	0.56	U	1.0	0.56	ug/L			08/30/22 20:06	1
sec-Butylbenzene	0.53	U	1.0	0.53	ug/L			08/30/22 20:06	1
Styrene	0.45	U	1.0	0.45	ug/L			08/30/22 20:06	1
Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43	ug/L			08/30/22 20:06	1
tert-Butyl alcohol	7.2	U	40	7.2	ug/L			08/30/22 20:06	1
tert-Butylbenzene	0.48	U	1.0	0.48	ug/L			08/30/22 20:06	1
1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43	ug/L			08/30/22 20:06	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	ug/L			08/30/22 20:06	1
Tetrachloroethene	0.44	U	1.0	0.44	ug/L			08/30/22 20:06	1
Toluene	0.44	U	1.0	0.44	ug/L			08/30/22 20:06	1
trans-1,2-Dichloroethene	0.51	U	1.0	0.51	ug/L			08/30/22 20:06	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			08/30/22 20:06	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			08/30/22 20:06	1
1,2,4-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/30/22 20:06	1
1,1,1-Trichloroethane	0.48	U	1.0	0.48	ug/L			08/30/22 20:06	1
Trichloroethene	0.44	U	1.0	0.44	ug/L			08/30/22 20:06	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			08/30/22 20:06	1
1,2,3-Trichloropropane	0.52	U	1.0	0.52	ug/L			08/30/22 20:06	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			08/30/22 20:06	1
1,2,3-Trimethylbenzene	0.31	U	5.0	0.31	ug/L			08/30/22 20:06	1
1,2,4-Trimethylbenzene	0.52	U	1.0	0.52	ug/L			08/30/22 20:06	1
Vinyl acetate	0.61	U	2.0	0.61	ug/L			08/30/22 20:06	1
Vinyl chloride	0.45	U	1.0	0.45	ug/L			08/30/22 20:06	1

Client Sample ID: MSA-SW47A-082222 Lab Sample ID: 240-171981-27

Date Collected: 08/22/22 12:05 **Matrix: Water**
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.42	U	2.0	0.42	ug/L			08/30/22 20:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/30/22 20:06*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*56 - 136*		*08/30/22 20:06*	*1*
Dibromofluoromethane (Surr)	*107*		*73 - 120*		*08/30/22 20:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*62 - 137*		*08/30/22 20:06*	*1*
Toluene-d8 (Surr)	*101*		*78 - 122*		*08/30/22 20:06*	*1*

Client Sample ID: MSA-SW48A-082222 Lab Sample ID: 240-171981-28

Date Collected: 08/22/22 11:48 **Matrix: Water**
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.4	U	10	5.4	ug/L			08/30/22 20:29	1
Benzene	0.42	U	1.0	0.42	ug/L			08/30/22 20:29	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			08/30/22 20:29	1
Bromochloromethane	0.54	U	1.0	0.54	ug/L			08/30/22 20:29	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			08/30/22 20:29	1
Bromoform	0.76	U *+	1.0	0.76	ug/L			08/30/22 20:29	1
Bromomethane	0.42	U	1.0	0.42	ug/L			08/30/22 20:29	1
2-Butanone	1.2	U	10	1.2	ug/L			08/30/22 20:29	1
Carbon disulfide	0.59	U	1.0	0.59	ug/L			08/30/22 20:29	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			08/30/22 20:29	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			08/30/22 20:29	1
Chloroethane	0.83	U	1.0	0.83	ug/L			08/30/22 20:29	1
2-Chloroethyl vinyl ether	1.5	U	10	1.5	ug/L			08/30/22 20:29	1
Chloroform	0.47	U	1.0	0.47	ug/L			08/30/22 20:29	1
Chloromethane	0.63	U	1.0	0.63	ug/L			08/30/22 20:29	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			08/30/22 20:29	1
4-Chlorotoluene	0.43	U	1.0	0.43	ug/L			08/30/22 20:29	1
cis-1,2-Dichloroethene	0.46	U	1.0	0.46	ug/L			08/30/22 20:29	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			08/30/22 20:29	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			08/30/22 20:29	1
1,2-Dibromo-3-Chloropropane	0.91	U	2.0	0.91	ug/L			08/30/22 20:29	1
1,2-Dibromoethane	0.41	U	1.0	0.41	ug/L			08/30/22 20:29	1
Dibromomethane	0.40	U	1.0	0.40	ug/L			08/30/22 20:29	1
1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L			08/30/22 20:29	1
1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L			08/30/22 20:29	1
1,4-Dichlorobenzene	0.41	U	1.0	0.41	ug/L			08/30/22 20:29	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			08/30/22 20:29	1
1,1-Dichloroethane	0.47	U	1.0	0.47	ug/L			08/30/22 20:29	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			08/30/22 20:29	1
1,1-Dichloroethene	0.49	U	1.0	0.49	ug/L			08/30/22 20:29	1
1,2-Dichloropropane	0.47	U	1.0	0.47	ug/L			08/30/22 20:29	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			08/30/22 20:29	1
2,2-Dichloropropane	0.78	U	1.0	0.78	ug/L			08/30/22 20:29	1

Client Sample ID: MSA-SW48A-082222

Date Collected: 08/22/22 11:48
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-28

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	0.36	U	1.0	0.36	ug/L			08/30/22 20:29	1
Diisopropyl ether	0.17	U	10	0.17	ug/L			08/30/22 20:29	1
Ethylbenzene	0.42	U	1.0	0.42	ug/L			08/30/22 20:29	1
Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40	ug/L			08/30/22 20:29	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			08/30/22 20:29	1
2-Hexanone	1.1	U	10	1.1	ug/L			08/30/22 20:29	1
Isopropylbenzene	0.49	U	1.0	0.49	ug/L			08/30/22 20:29	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			08/30/22 20:29	1
4-Methyl-2-pentanone	0.99	U	10	0.99	ug/L			08/30/22 20:29	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			08/30/22 20:29	1
m-Xylene & p-Xylene	0.42	U	2.0	0.42	ug/L			08/30/22 20:29	1
Naphthalene	0.80	U	1.0	0.80	ug/L			08/30/22 20:29	1
n-Butylbenzene	0.60	U	1.0	0.60	ug/L			08/30/22 20:29	1
n-Propylbenzene	0.57	U	1.0	0.57	ug/L			08/30/22 20:29	1
o-Xylene	0.42	U	1.0	0.42	ug/L			08/30/22 20:29	1
p-Isopropyltoluene	0.56	U	1.0	0.56	ug/L			08/30/22 20:29	1
sec-Butylbenzene	0.53	U	1.0	0.53	ug/L			08/30/22 20:29	1
Styrene	0.45	U	1.0	0.45	ug/L			08/30/22 20:29	1
Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43	ug/L			08/30/22 20:29	1
tert-Butyl alcohol	7.2	U	40	7.2	ug/L			08/30/22 20:29	1
tert-Butylbenzene	0.48	U	1.0	0.48	ug/L			08/30/22 20:29	1
1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43	ug/L			08/30/22 20:29	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	ug/L			08/30/22 20:29	1
Tetrachloroethene	0.44	U	1.0	0.44	ug/L			08/30/22 20:29	1
Toluene	0.44	U	1.0	0.44	ug/L			08/30/22 20:29	1
trans-1,2-Dichloroethene	0.51	U	1.0	0.51	ug/L			08/30/22 20:29	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			08/30/22 20:29	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			08/30/22 20:29	1
1,2,4-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/30/22 20:29	1
1,1,1-Trichloroethane	0.48	U	1.0	0.48	ug/L			08/30/22 20:29	1
Trichloroethene	0.44	U	1.0	0.44	ug/L			08/30/22 20:29	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			08/30/22 20:29	1
1,2,3-Trichloropropane	0.52	U	1.0	0.52	ug/L			08/30/22 20:29	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			08/30/22 20:29	1
1,2,3-Trimethylbenzene	0.31	U	5.0	0.31	ug/L			08/30/22 20:29	1
1,2,4-Trimethylbenzene	0.52	U	1.0	0.52	ug/L			08/30/22 20:29	1
Vinyl acetate	0.61	U	2.0	0.61	ug/L			08/30/22 20:29	1
Vinyl chloride	0.45	U	1.0	0.45	ug/L			08/30/22 20:29	1
Xylenes, Total	0.42	U	2.0	0.42	ug/L			08/30/22 20:29	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/30/22 20:29*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*56 - 136*		*08/30/22 20:29*	*1*
Dibromofluoromethane (Surr)	*107*		*73 - 120*		*08/30/22 20:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*62 - 137*		*08/30/22 20:29*	*1*
Toluene-d8 (Surr)	*100*		*78 - 122*		*08/30/22 20:29*	*1*

Client Sample ID: MSA-SW49A-082222

Date Collected: 08/22/22 11:30
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-29

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.4	U	10	5.4	ug/L			08/30/22 20:53	1
Benzene	0.42	U	1.0	0.42	ug/L			08/30/22 20:53	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			08/30/22 20:53	1
Bromochloromethane	0.54	U	1.0	0.54	ug/L			08/30/22 20:53	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			08/30/22 20:53	1
Bromoform	0.76	U *+	1.0	0.76	ug/L			08/30/22 20:53	1
Bromomethane	0.42	U	1.0	0.42	ug/L			08/30/22 20:53	1
2-Butanone	1.2	U	10	1.2	ug/L			08/30/22 20:53	1
Carbon disulfide	0.59	U	1.0	0.59	ug/L			08/30/22 20:53	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			08/30/22 20:53	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			08/30/22 20:53	1
Chloroethane	0.83	U	1.0	0.83	ug/L			08/30/22 20:53	1
2-Chloroethyl vinyl ether	1.5	U	10	1.5	ug/L			08/30/22 20:53	1
Chloroform	0.47	U	1.0	0.47	ug/L			08/30/22 20:53	1
Chloromethane	0.63	U	1.0	0.63	ug/L			08/30/22 20:53	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			08/30/22 20:53	1
4-Chlorotoluene	0.43	U	1.0	0.43	ug/L			08/30/22 20:53	1
cis-1,2-Dichloroethene	0.46	U	1.0	0.46	ug/L			08/30/22 20:53	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			08/30/22 20:53	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			08/30/22 20:53	1
1,2-Dibromo-3-Chloropropane	0.91	U	2.0	0.91	ug/L			08/30/22 20:53	1
1,2-Dibromoethane	0.41	U	1.0	0.41	ug/L			08/30/22 20:53	1
Dibromomethane	0.40	U	1.0	0.40	ug/L			08/30/22 20:53	1
1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L			08/30/22 20:53	1
1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L			08/30/22 20:53	1
1,4-Dichlorobenzene	0.41	U	1.0	0.41	ug/L			08/30/22 20:53	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			08/30/22 20:53	1
1,1-Dichloroethane	0.47	U	1.0	0.47	ug/L			08/30/22 20:53	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			08/30/22 20:53	1
1,1-Dichloroethene	0.49	U	1.0	0.49	ug/L			08/30/22 20:53	1
1,2-Dichloropropane	0.47	U	1.0	0.47	ug/L			08/30/22 20:53	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			08/30/22 20:53	1
2,2-Dichloropropane	0.78	U	1.0	0.78	ug/L			08/30/22 20:53	1
1,1-Dichloropropene	0.36	U	1.0	0.36	ug/L			08/30/22 20:53	1
Diisopropyl ether	0.17	U	10	0.17	ug/L			08/30/22 20:53	1
Ethylbenzene	0.42	U	1.0	0.42	ug/L			08/30/22 20:53	1
Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40	ug/L			08/30/22 20:53	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			08/30/22 20:53	1
2-Hexanone	1.1	U	10	1.1	ug/L			08/30/22 20:53	1
Isopropylbenzene	0.49	U	1.0	0.49	ug/L			08/30/22 20:53	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			08/30/22 20:53	1
4-Methyl-2-pentanone	0.99	U	10	0.99	ug/L			08/30/22 20:53	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			08/30/22 20:53	1
m-Xylene & p-Xylene	0.42	U	2.0	0.42	ug/L			08/30/22 20:53	1
Naphthalene	0.80	U	1.0	0.80	ug/L			08/30/22 20:53	1
n-Butylbenzene	0.60	U	1.0	0.60	ug/L			08/30/22 20:53	1
n-Propylbenzene	0.57	U	1.0	0.57	ug/L			08/30/22 20:53	1
o-Xylene	0.42	U	1.0	0.42	ug/L			08/30/22 20:53	1
p-Isopropyltoluene	0.56	U	1.0	0.56	ug/L			08/30/22 20:53	1

Client Sample ID: MSA-SW49A-082222

Lab Sample ID: 240-171981-29

Date Collected: 08/22/22 11:30
Matrix: Water
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	0.53	U	1.0	0.53	ug/L			08/30/22 20:53	1
Styrene	0.45	U	1.0	0.45	ug/L			08/30/22 20:53	1
Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43	ug/L			08/30/22 20:53	1
tert-Butyl alcohol	7.2	U	40	7.2	ug/L			08/30/22 20:53	1
tert-Butylbenzene	0.48	U	1.0	0.48	ug/L			08/30/22 20:53	1
1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43	ug/L			08/30/22 20:53	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	ug/L			08/30/22 20:53	1
Tetrachloroethene	0.44	U	1.0	0.44	ug/L			08/30/22 20:53	1
Toluene	0.44	U	1.0	0.44	ug/L			08/30/22 20:53	1
trans-1,2-Dichloroethene	0.51	U	1.0	0.51	ug/L			08/30/22 20:53	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			08/30/22 20:53	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			08/30/22 20:53	1
1,2,4-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/30/22 20:53	1
1,1,1-Trichloroethane	0.48	U	1.0	0.48	ug/L			08/30/22 20:53	1
Trichloroethene	0.44	U	1.0	0.44	ug/L			08/30/22 20:53	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			08/30/22 20:53	1
1,2,3-Trichloropropane	0.52	U	1.0	0.52	ug/L			08/30/22 20:53	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			08/30/22 20:53	1
1,2,3-Trimethylbenzene	0.31	U	5.0	0.31	ug/L			08/30/22 20:53	1
1,2,4-Trimethylbenzene	0.52	U	1.0	0.52	ug/L			08/30/22 20:53	1
Vinyl acetate	0.61	U	2.0	0.61	ug/L			08/30/22 20:53	1
Vinyl chloride	0.45	U	1.0	0.45	ug/L			08/30/22 20:53	1
Xylenes, Total	0.42	U	2.0	0.42	ug/L			08/30/22 20:53	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/30/22 20:53*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*56 - 136*		*08/30/22 20:53*	*1*
Dibromofluoromethane (Surr)	*106*		*73 - 120*		*08/30/22 20:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*62 - 137*		*08/30/22 20:53*	*1*
Toluene-d8 (Surr)	*99*		*78 - 122*		*08/30/22 20:53*	*1*

Client Sample ID: MSA-SWEQB-082222

Lab Sample ID: 240-171981-30

Date Collected: 08/22/22 00:00
Matrix: Water
Date Received: 08/23/22 15:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.4	U	10	5.4	ug/L			08/30/22 17:20	1
Benzene	0.42	U	1.0	0.42	ug/L			08/30/22 17:20	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			08/30/22 17:20	1
Bromochloromethane	0.54	U	1.0	0.54	ug/L			08/30/22 17:20	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			08/30/22 17:20	1
Bromoform	0.76	U *+	1.0	0.76	ug/L			08/30/22 17:20	1
Bromomethane	0.42	U	1.0	0.42	ug/L			08/30/22 17:20	1
2-Butanone	1.2	U	10	1.2	ug/L			08/30/22 17:20	1
Carbon disulfide	0.59	U	1.0	0.59	ug/L			08/30/22 17:20	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			08/30/22 17:20	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			08/30/22 17:20	1

Client Sample ID: MSA-SWEQB-082222

Date Collected: 08/22/22 00:00
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-30

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	0.83	U	1.0	0.83	ug/L			08/30/22 17:20	1
2-Chloroethyl vinyl ether	1.5	U	10	1.5	ug/L			08/30/22 17:20	1
Chloroform	0.47	U	1.0	0.47	ug/L			08/30/22 17:20	1
Chloromethane	0.63	U	1.0	0.63	ug/L			08/30/22 17:20	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			08/30/22 17:20	1
4-Chlorotoluene	0.43	U	1.0	0.43	ug/L			08/30/22 17:20	1
cis-1,2-Dichloroethene	0.46	U	1.0	0.46	ug/L			08/30/22 17:20	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			08/30/22 17:20	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			08/30/22 17:20	1
1,2-Dibromo-3-Chloropropane	0.91	U	2.0	0.91	ug/L			08/30/22 17:20	1
1,2-Dibromoethane	0.41	U	1.0	0.41	ug/L			08/30/22 17:20	1
Dibromomethane	0.40	U	1.0	0.40	ug/L			08/30/22 17:20	1
1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L			08/30/22 17:20	1
1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L			08/30/22 17:20	1
1,4-Dichlorobenzene	0.41	U	1.0	0.41	ug/L			08/30/22 17:20	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			08/30/22 17:20	1
1,1-Dichloroethane	0.47	U	1.0	0.47	ug/L			08/30/22 17:20	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			08/30/22 17:20	1
1,1-Dichloroethene	0.49	U	1.0	0.49	ug/L			08/30/22 17:20	1
1,2-Dichloropropane	0.47	U	1.0	0.47	ug/L			08/30/22 17:20	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			08/30/22 17:20	1
2,2-Dichloropropane	0.78	U	1.0	0.78	ug/L			08/30/22 17:20	1
1,1-Dichloropropene	0.36	U	1.0	0.36	ug/L			08/30/22 17:20	1
Diisopropyl ether	0.17	U	10	0.17	ug/L			08/30/22 17:20	1
Ethylbenzene	0.42	U	1.0	0.42	ug/L			08/30/22 17:20	1
Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40	ug/L			08/30/22 17:20	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			08/30/22 17:20	1
2-Hexanone	1.1	U	10	1.1	ug/L			08/30/22 17:20	1
Isopropylbenzene	0.49	U	1.0	0.49	ug/L			08/30/22 17:20	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			08/30/22 17:20	1
4-Methyl-2-pentanone	0.99	U	10	0.99	ug/L			08/30/22 17:20	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			08/30/22 17:20	1
m-Xylene & p-Xylene	0.42	U	2.0	0.42	ug/L			08/30/22 17:20	1
Naphthalene	0.80	U	1.0	0.80	ug/L			08/30/22 17:20	1
n-Butylbenzene	0.60	U	1.0	0.60	ug/L			08/30/22 17:20	1
n-Propylbenzene	0.57	U	1.0	0.57	ug/L			08/30/22 17:20	1
o-Xylene	0.42	U	1.0	0.42	ug/L			08/30/22 17:20	1
p-Isopropyltoluene	0.56	U	1.0	0.56	ug/L			08/30/22 17:20	1
sec-Butylbenzene	0.53	U	1.0	0.53	ug/L			08/30/22 17:20	1
Styrene	0.45	U	1.0	0.45	ug/L			08/30/22 17:20	1
Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43	ug/L			08/30/22 17:20	1
tert-Butyl alcohol	7.2	U	40	7.2	ug/L			08/30/22 17:20	1
tert-Butylbenzene	0.48	U	1.0	0.48	ug/L			08/30/22 17:20	1
1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43	ug/L			08/30/22 17:20	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	ug/L			08/30/22 17:20	1
Tetrachloroethene	0.44	U	1.0	0.44	ug/L			08/30/22 17:20	1
Toluene	0.44	U	1.0	0.44	ug/L			08/30/22 17:20	1
trans-1,2-Dichloroethene	0.51	U	1.0	0.51	ug/L			08/30/22 17:20	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			08/30/22 17:20	1

Client Sample ID: MSA-SWEQB-082222

Date Collected: 08/22/22 00:00
Date Received: 08/23/22 15:30

Lab Sample ID: 240-171981-30

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			08/30/22 17:20	1
1,2,4-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/30/22 17:20	1
1,1,1-Trichloroethane	0.48	U	1.0	0.48	ug/L			08/30/22 17:20	1
Trichloroethene	0.44	U	1.0	0.44	ug/L			08/30/22 17:20	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			08/30/22 17:20	1
1,2,3-Trichloropropane	0.52	U	1.0	0.52	ug/L			08/30/22 17:20	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			08/30/22 17:20	1
1,2,3-Trimethylbenzene	0.31	U	5.0	0.31	ug/L			08/30/22 17:20	1
1,2,4-Trimethylbenzene	0.52	U	1.0	0.52	ug/L			08/30/22 17:20	1
Vinyl acetate	0.61	U	2.0	0.61	ug/L			08/30/22 17:20	1
Vinyl chloride	0.45	U	1.0	0.45	ug/L			08/30/22 17:20	1
Xylenes, Total	0.42	U	2.0	0.42	ug/L			08/30/22 17:20	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Chlorodifluoromethane TIC	*1.0*	*U*	*ug/L*			*75-45-6*		*08/30/22 17:20*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*56 - 136*		*08/30/22 17:20*	*1*
Dibromofluoromethane (Surr)	*108*		*73 - 120*		*08/30/22 17:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*62 - 137*		*08/30/22 17:20*	*1*
Toluene-d8 (Surr)	*103*		*78 - 122*		*08/30/22 17:20*	*1*

Default Detection Limits

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water Sampling

Job ID: 240-171981-1
SDG: MSA Frog Mortar Creek

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 Sampling

Job ID: 240-171981-1
SDG: MSA 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 Sampling

Job ID: 240-171981-1
SDG: MSA 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)
240-171981-1	MSA-SW37A-082222	98	106	102	102
240-171981-2	MSA-SW37B-082222	97	108	101	104
240-171981-3	MSA-SW37C-082222	98	108	103	102
240-171981-4	MSA-SW37D-082222	99	108	103	103
240-171981-5	MSA-SW38A-082222	98	108	102	103
240-171981-6	MSA-SW38B-082222	97	108	103	102
240-171981-7	MSA-SW38C-082222	96	107	102	102
240-171981-8	MSA-SW38D-082222	96	107	105	100
240-171981-9	MSA-SW40A-082222	95	104	98	101
240-171981-10	MSA-SW40B-082222	92	107	101	101
240-171981-11	MSA-SW40C-082222	94	105	101	99
240-171981-12	MSA-SW40D-082222	96	103	98	100
240-171981-13	MSA-SW41A-082222	94	105	100	99
240-171981-14	MSA-SW41B-082222	93	104	98	98
240-171981-15	MSA-SW41C-082222	95	105	100	99
240-171981-16	MSA-SW41D-082222	93	102	96	98
240-171981-17	MSA-SW42A-082222	92	104	99	97
240-171981-18	MSA-SW42B-082222	93	104	97	98
240-171981-19	MSA-SW42C-082222	91	103	98	96
240-171981-20	MSA-SW42D-082222	97	108	99	101
240-171981-21	MSA-SW43A-082222	98	108	99	103
240-171981-22	MSA-SW43B-082222	96	106	97	100
240-171981-23	MSA-SW43C-082222	96	108	99	102
240-171981-24	MSA-SW43D-082222	96	107	100	100
240-171981-25	TB-082222	98	106	94	104
240-171981-26	MSA-SW46A-082222	95	106	97	99
240-171981-27	MSA-SW47A-082222	96	107	98	101
240-171981-28	MSA-SW48A-082222	95	107	97	100
240-171981-29	MSA-SW49A-082222	96	106	98	99
240-171981-30	MSA-SWEQB-082222	97	108	96	103
LCS 240-540508/5	Lab Control Sample	102	102	95	107
LCS 240-540508/6	Lab Control Sample	102	103	98	104
LCS 240-540740/5	Lab Control Sample	104	105	98	108
LCS 240-540740/6	Lab Control Sample	102	105	91	102
MB 240-540508/8	Method Blank	98	104	98	113
MB 240-540740/8	Method Blank	97	113	105	101

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 240-540508/8
Matrix: Water
Analysis Batch: 540508

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.4	U	10	5.4	ug/L			08/29/22 13:29	1
Benzene	0.42	U	1.0	0.42	ug/L			08/29/22 13:29	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			08/29/22 13:29	1
Bromochloromethane	0.54	U	1.0	0.54	ug/L			08/29/22 13:29	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			08/29/22 13:29	1
Bromoform	0.76	U	1.0	0.76	ug/L			08/29/22 13:29	1
Bromomethane	0.42	U	1.0	0.42	ug/L			08/29/22 13:29	1
2-Butanone	1.2	U	10	1.2	ug/L			08/29/22 13:29	1
Carbon disulfide	0.59	U	1.0	0.59	ug/L			08/29/22 13:29	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			08/29/22 13:29	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			08/29/22 13:29	1
Chloroethane	0.83	U	1.0	0.83	ug/L			08/29/22 13:29	1
2-Chloroethyl vinyl ether	1.5	U	10	1.5	ug/L			08/29/22 13:29	1
Chloroform	0.47	U	1.0	0.47	ug/L			08/29/22 13:29	1
Chloromethane	0.63	U	1.0	0.63	ug/L			08/29/22 13:29	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			08/29/22 13:29	1
4-Chlorotoluene	0.43	U	1.0	0.43	ug/L			08/29/22 13:29	1
cis-1,2-Dichloroethene	0.46	U	1.0	0.46	ug/L			08/29/22 13:29	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			08/29/22 13:29	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			08/29/22 13:29	1
1,2-Dibromo-3-Chloropropane	0.91	U	2.0	0.91	ug/L			08/29/22 13:29	1
1,2-Dibromoethane	0.41	U	1.0	0.41	ug/L			08/29/22 13:29	1
Dibromomethane	0.40	U	1.0	0.40	ug/L			08/29/22 13:29	1
1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L			08/29/22 13:29	1
1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L			08/29/22 13:29	1
1,4-Dichlorobenzene	0.41	U	1.0	0.41	ug/L			08/29/22 13:29	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			08/29/22 13:29	1
1,1-Dichloroethane	0.47	U	1.0	0.47	ug/L			08/29/22 13:29	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			08/29/22 13:29	1
1,1-Dichloroethene	0.49	U	1.0	0.49	ug/L			08/29/22 13:29	1
1,2-Dichloropropane	0.47	U	1.0	0.47	ug/L			08/29/22 13:29	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			08/29/22 13:29	1
2,2-Dichloropropane	0.78	U	1.0	0.78	ug/L			08/29/22 13:29	1
1,1-Dichloropropene	0.36	U	1.0	0.36	ug/L			08/29/22 13:29	1
Diisopropyl ether	0.17	U	10	0.17	ug/L			08/29/22 13:29	1
Ethylbenzene	0.42	U	1.0	0.42	ug/L			08/29/22 13:29	1
Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40	ug/L			08/29/22 13:29	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			08/29/22 13:29	1
2-Hexanone	1.1	U	10	1.1	ug/L			08/29/22 13:29	1
Isopropylbenzene	0.49	U	1.0	0.49	ug/L			08/29/22 13:29	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			08/29/22 13:29	1
4-Methyl-2-pentanone	0.99	U	10	0.99	ug/L			08/29/22 13:29	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			08/29/22 13:29	1
m-Xylene & p-Xylene	0.42	U	2.0	0.42	ug/L			08/29/22 13:29	1
Naphthalene	0.80	U	1.0	0.80	ug/L			08/29/22 13:29	1
n-Butylbenzene	0.60	U	1.0	0.60	ug/L			08/29/22 13:29	1
n-Propylbenzene	0.57	U	1.0	0.57	ug/L			08/29/22 13:29	1
o-Xylene	0.42	U	1.0	0.42	ug/L			08/29/22 13:29	1

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

Lab Sample ID: MB 240-540508/8
Matrix: Water
Analysis Batch: 540508

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	0.56	U	1.0	0.56	ug/L			08/29/22 13:29	1
sec-Butylbenzene	0.53	U	1.0	0.53	ug/L			08/29/22 13:29	1
Styrene	0.45	U	1.0	0.45	ug/L			08/29/22 13:29	1
Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43	ug/L			08/29/22 13:29	1
tert-Butyl alcohol	7.2	U	40	7.2	ug/L			08/29/22 13:29	1
tert-Butylbenzene	0.48	U	1.0	0.48	ug/L			08/29/22 13:29	1
1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43	ug/L			08/29/22 13:29	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	ug/L			08/29/22 13:29	1
Tetrachloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 13:29	1
Toluene	0.44	U	1.0	0.44	ug/L			08/29/22 13:29	1
trans-1,2-Dichloroethene	0.51	U	1.0	0.51	ug/L			08/29/22 13:29	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			08/29/22 13:29	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			08/29/22 13:29	1
1,2,4-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/29/22 13:29	1
1,1,1-Trichloroethane	0.48	U	1.0	0.48	ug/L			08/29/22 13:29	1
Trichloroethene	0.44	U	1.0	0.44	ug/L			08/29/22 13:29	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			08/29/22 13:29	1
1,2,3-Trichloropropane	0.52	U	1.0	0.52	ug/L			08/29/22 13:29	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			08/29/22 13:29	1
1,2,3-Trimethylbenzene	0.31	U	5.0	0.31	ug/L			08/29/22 13:29	1
1,2,4-Trimethylbenzene	0.52	U	1.0	0.52	ug/L			08/29/22 13:29	1
Vinyl acetate	0.61	U	2.0	0.61	ug/L			08/29/22 13:29	1
Vinyl chloride	0.45	U	1.0	0.45	ug/L			08/29/22 13:29	1
Xylenes, Total	0.42	U	2.0	0.42	ug/L			08/29/22 13:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*56 - 136*		*08/29/22 13:29*	*1*
Dibromofluoromethane (Surr)	*104*		*73 - 120*		*08/29/22 13:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*62 - 137*		*08/29/22 13:29*	*1*
Toluene-d8 (Surr)	*113*		*78 - 122*		*08/29/22 13:29*	*1*

Lab Sample ID: LCS 240-540508/5
Matrix: Water
Analysis Batch: 540508

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	47.6		ug/L		95	50 - 149
Benzene	25.0	24.3		ug/L		97	77 - 123
Bromobenzene	25.0	27.5		ug/L		110	80 - 122
Bromochloromethane	25.0	21.5		ug/L		86	71 - 121
Bromodichloromethane	25.0	23.7		ug/L		95	69 - 126
Bromoform	25.0	31.6		ug/L		127	57 - 129
Bromomethane	25.0	13.6		ug/L		54	36 - 142
2-Butanone	50.0	51.3		ug/L		103	54 - 156
Carbon disulfide	25.0	22.8		ug/L		91	43 - 140
Carbon tetrachloride	25.0	27.1		ug/L		108	55 - 137
Chlorobenzene	25.0	25.3		ug/L		101	80 - 121
Chloroethane	25.0	13.0		ug/L		52	38 - 152

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

Lab Sample ID: LCS 240-540508/5
Matrix: Water
Analysis Batch: 540508

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Chloroethyl vinyl ether	25.0	24.3		ug/L		97	40 - 157
Chloroform	25.0	22.6		ug/L		90	74 - 122
Chloromethane	25.0	20.1		ug/L		80	47 - 143
2-Chlorotoluene	25.0	25.8		ug/L		103	79 - 124
4-Chlorotoluene	25.0	26.7		ug/L		107	80 - 125
cis-1,2-Dichloroethene	25.0	23.2		ug/L		93	77 - 123
cis-1,3-Dichloropropene	25.0	24.7		ug/L		99	64 - 130
Dibromochloromethane	25.0	27.2		ug/L		109	70 - 124
1,2-Dibromo-3-Chloropropane	25.0	27.6		ug/L		111	53 - 135
1,2-Dibromoethane	25.0	25.6		ug/L		103	71 - 134
Dibromomethane	25.0	27.3		ug/L		109	67 - 131
1,2-Dichlorobenzene	25.0	25.9		ug/L		104	78 - 120
1,3-Dichlorobenzene	25.0	26.1		ug/L		104	80 - 120
1,4-Dichlorobenzene	25.0	26.1		ug/L		104	80 - 120
Dichlorodifluoromethane	25.0	18.9		ug/L		75	34 - 153
1,1-Dichloroethane	25.0	22.9		ug/L		92	72 - 127
1,2-Dichloroethane	25.0	22.0		ug/L		88	66 - 128
1,1-Dichloroethene	25.0	24.3		ug/L		97	63 - 134
1,2-Dichloropropane	25.0	24.1		ug/L		97	75 - 133
1,3-Dichloropropane	25.0	24.9		ug/L		100	68 - 139
2,2-Dichloropropane	25.0	24.2		ug/L		97	48 - 142
1,1-Dichloropropene	25.0	24.7		ug/L		99	71 - 124
Ethylbenzene	25.0	24.6		ug/L		98	80 - 121
Hexachlorobutadiene	25.0	24.9		ug/L		100	37 - 162
2-Hexanone	50.0	51.9		ug/L		104	43 - 167
Isopropylbenzene	25.0	24.5		ug/L		98	74 - 128
Methylene Chloride	25.0	23.7		ug/L		95	71 - 125
4-Methyl-2-pentanone	50.0	50.5		ug/L		101	46 - 158
Methyl tert-butyl ether	25.0	23.4		ug/L		93	65 - 126
m-Xylene & p-Xylene	25.0	24.5		ug/L		98	80 - 120
Naphthalene	25.0	23.7		ug/L		95	53 - 138
n-Butylbenzene	25.0	22.2		ug/L		89	62 - 139
n-Propylbenzene	25.0	24.9		ug/L		100	76 - 127
o-Xylene	25.0	24.5		ug/L		98	80 - 123
p-Isopropyltoluene	25.0	24.0		ug/L		96	71 - 132
sec-Butylbenzene	25.0	23.2		ug/L		93	69 - 135
Styrene	25.0	24.9		ug/L		99	80 - 135
tert-Butyl alcohol	250	286		ug/L		115	33 - 153
tert-Butylbenzene	25.0	24.0		ug/L		96	64 - 134
1,1,1,2-Tetrachloroethane	25.0	29.1		ug/L		116	71 - 124
1,1,2,2-Tetrachloroethane	25.0	26.3		ug/L		105	58 - 157
Tetrachloroethene	25.0	28.5		ug/L		114	76 - 123
Toluene	25.0	24.3		ug/L		97	80 - 123
trans-1,2-Dichloroethene	25.0	23.4		ug/L		94	75 - 124
trans-1,3-Dichloropropene	25.0	26.2		ug/L		105	57 - 129
1,2,3-Trichlorobenzene	25.0	25.1		ug/L		100	45 - 149
1,2,4-Trichlorobenzene	25.0	25.9		ug/L		104	44 - 147
1,1,1-Trichloroethane	25.0	23.7		ug/L		95	64 - 131
Trichloroethene	25.0	26.5		ug/L		106	70 - 122

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

Lab Sample ID: LCS 240-540508/5
Matrix: Water
Analysis Batch: 540508

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Trichlorofluoromethane	25.0	17.8		ug/L		71	30 - 170
1,2,3-Trichloropropane	25.0	25.9		ug/L		104	57 - 150
1,1,2-Trichloro-1,2,2-trichfluoroethane	25.0	25.0		ug/L		100	51 - 146
1,2,4-Trimethylbenzene	25.0	24.3		ug/L		97	77 - 129
Vinyl acetate	25.0	24.1		ug/L		96	44 - 145
Vinyl chloride	25.0	20.6		ug/L		82	60 - 144
Xylenes, Total	50.0	49.0		ug/L		98	80 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*56 - 136*
Dibromofluoromethane (Surr)	*102*		*73 - 120*
1,2-Dichloroethane-d4 (Surr)	*95*		*62 - 137*
Toluene-d8 (Surr)	*107*		*78 - 122*

Lab Sample ID: LCS 240-540508/6
Matrix: Water
Analysis Batch: 540508

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diisopropyl ether	25.0	25.4		ug/L		102	70 - 124
Ethyl-t-butyl ether (ETBE)	25.0	23.9		ug/L		95	62 - 135
Tert-amyl-methyl ether (TAME)	25.0	22.3		ug/L		89	60 - 128
1,2,3-Trimethylbenzene	25.0	23.5		ug/L		94	72 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*56 - 136*
Dibromofluoromethane (Surr)	*103*		*73 - 120*
1,2-Dichloroethane-d4 (Surr)	*98*		*62 - 137*
Toluene-d8 (Surr)	*104*		*78 - 122*

Lab Sample ID: MB 240-540740/8
Matrix: Water
Analysis Batch: 540740

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.4	U	10	5.4	ug/L			08/30/22 16:09	1
Benzene	0.42	U	1.0	0.42	ug/L			08/30/22 16:09	1
Bromobenzene	0.50	U	1.0	0.50	ug/L			08/30/22 16:09	1
Bromochloromethane	0.54	U	1.0	0.54	ug/L			08/30/22 16:09	1
Bromodichloromethane	0.17	U	1.0	0.17	ug/L			08/30/22 16:09	1
Bromoform	0.76	U	1.0	0.76	ug/L			08/30/22 16:09	1
Bromomethane	0.42	U	1.0	0.42	ug/L			08/30/22 16:09	1
2-Butanone	1.2	U	10	1.2	ug/L			08/30/22 16:09	1
Carbon disulfide	0.59	U	1.0	0.59	ug/L			08/30/22 16:09	1
Carbon tetrachloride	0.26	U	1.0	0.26	ug/L			08/30/22 16:09	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			08/30/22 16:09	1
Chloroethane	0.83	U	1.0	0.83	ug/L			08/30/22 16:09	1

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

Lab Sample ID: MB 240-540740/8
Matrix: Water
Analysis Batch: 540740

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloroethyl vinyl ether	1.5	U	10	1.5	ug/L			08/30/22 16:09	1
Chloroform	0.47	U	1.0	0.47	ug/L			08/30/22 16:09	1
Chloromethane	0.63	U	1.0	0.63	ug/L			08/30/22 16:09	1
2-Chlorotoluene	0.57	U	1.0	0.57	ug/L			08/30/22 16:09	1
4-Chlorotoluene	0.43	U	1.0	0.43	ug/L			08/30/22 16:09	1
cis-1,2-Dichloroethene	0.46	U	1.0	0.46	ug/L			08/30/22 16:09	1
cis-1,3-Dichloropropene	0.61	U	1.0	0.61	ug/L			08/30/22 16:09	1
Dibromochloromethane	0.39	U	1.0	0.39	ug/L			08/30/22 16:09	1
1,2-Dibromo-3-Chloropropane	0.91	U	2.0	0.91	ug/L			08/30/22 16:09	1
1,2-Dibromoethane	0.41	U	1.0	0.41	ug/L			08/30/22 16:09	1
Dibromomethane	0.40	U	1.0	0.40	ug/L			08/30/22 16:09	1
1,2-Dichlorobenzene	0.48	U	1.0	0.48	ug/L			08/30/22 16:09	1
1,3-Dichlorobenzene	0.45	U	1.0	0.45	ug/L			08/30/22 16:09	1
1,4-Dichlorobenzene	0.41	U	1.0	0.41	ug/L			08/30/22 16:09	1
Dichlorodifluoromethane	0.35	U	1.0	0.35	ug/L			08/30/22 16:09	1
1,1-Dichloroethane	0.47	U	1.0	0.47	ug/L			08/30/22 16:09	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			08/30/22 16:09	1
1,1-Dichloroethene	0.49	U	1.0	0.49	ug/L			08/30/22 16:09	1
1,2-Dichloropropane	0.47	U	1.0	0.47	ug/L			08/30/22 16:09	1
1,3-Dichloropropane	0.21	U	1.0	0.21	ug/L			08/30/22 16:09	1
2,2-Dichloropropane	0.78	U	1.0	0.78	ug/L			08/30/22 16:09	1
1,1-Dichloropropene	0.36	U	1.0	0.36	ug/L			08/30/22 16:09	1
Diisopropyl ether	0.17	U	10	0.17	ug/L			08/30/22 16:09	1
Ethylbenzene	0.42	U	1.0	0.42	ug/L			08/30/22 16:09	1
Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40	ug/L			08/30/22 16:09	1
Hexachlorobutadiene	0.83	U	1.0	0.83	ug/L			08/30/22 16:09	1
2-Hexanone	1.1	U	10	1.1	ug/L			08/30/22 16:09	1
Isopropylbenzene	0.49	U	1.0	0.49	ug/L			08/30/22 16:09	1
Methylene Chloride	2.6	U	5.0	2.6	ug/L			08/30/22 16:09	1
4-Methyl-2-pentanone	0.99	U	10	0.99	ug/L			08/30/22 16:09	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			08/30/22 16:09	1
m-Xylene & p-Xylene	0.42	U	2.0	0.42	ug/L			08/30/22 16:09	1
Naphthalene	0.80	U	1.0	0.80	ug/L			08/30/22 16:09	1
n-Butylbenzene	0.60	U	1.0	0.60	ug/L			08/30/22 16:09	1
n-Propylbenzene	0.57	U	1.0	0.57	ug/L			08/30/22 16:09	1
o-Xylene	0.42	U	1.0	0.42	ug/L			08/30/22 16:09	1
p-Isopropyltoluene	0.56	U	1.0	0.56	ug/L			08/30/22 16:09	1
sec-Butylbenzene	0.53	U	1.0	0.53	ug/L			08/30/22 16:09	1
Styrene	0.45	U	1.0	0.45	ug/L			08/30/22 16:09	1
Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43	ug/L			08/30/22 16:09	1
tert-Butyl alcohol	7.2	U	40	7.2	ug/L			08/30/22 16:09	1
tert-Butylbenzene	0.48	U	1.0	0.48	ug/L			08/30/22 16:09	1
1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43	ug/L			08/30/22 16:09	1
1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60	ug/L			08/30/22 16:09	1
Tetrachloroethene	0.44	U	1.0	0.44	ug/L			08/30/22 16:09	1
Toluene	0.44	U	1.0	0.44	ug/L			08/30/22 16:09	1
trans-1,2-Dichloroethene	0.51	U	1.0	0.51	ug/L			08/30/22 16:09	1
trans-1,3-Dichloropropene	0.67	U	1.0	0.67	ug/L			08/30/22 16:09	1
1,2,3-Trichlorobenzene	0.54	U	1.0	0.54	ug/L			08/30/22 16:09	1

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

Lab Sample ID: MB 240-540740/8
Matrix: Water
Analysis Batch: 540740

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.77	U	1.0	0.77	ug/L			08/30/22 16:09	1
1,1,1-Trichloroethane	0.48	U	1.0	0.48	ug/L			08/30/22 16:09	1
Trichloroethene	0.44	U	1.0	0.44	ug/L			08/30/22 16:09	1
Trichlorofluoromethane	0.45	U	1.0	0.45	ug/L			08/30/22 16:09	1
1,2,3-Trichloropropane	0.52	U	1.0	0.52	ug/L			08/30/22 16:09	1
1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41	ug/L			08/30/22 16:09	1
1,2,3-Trimethylbenzene	0.31	U	5.0	0.31	ug/L			08/30/22 16:09	1
1,2,4-Trimethylbenzene	0.52	U	1.0	0.52	ug/L			08/30/22 16:09	1
Vinyl acetate	0.61	U	2.0	0.61	ug/L			08/30/22 16:09	1
Vinyl chloride	0.45	U	1.0	0.45	ug/L			08/30/22 16:09	1
Xylenes, Total	0.42	U	2.0	0.42	ug/L			08/30/22 16:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*56 - 136*		*08/30/22 16:09*	*1*
Dibromofluoromethane (Surr)	*113*		*73 - 120*		*08/30/22 16:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*62 - 137*		*08/30/22 16:09*	*1*
Toluene-d8 (Surr)	*101*		*78 - 122*		*08/30/22 16:09*	*1*

Lab Sample ID: LCS 240-540740/5
Matrix: Water
Analysis Batch: 540740

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	50.0	49.6		ug/L		99	50 - 149
Benzene	25.0	24.8		ug/L		99	77 - 123
Bromobenzene	25.0	26.1		ug/L		104	80 - 122
Bromochloromethane	25.0	22.3		ug/L		89	71 - 121
Bromodichloromethane	25.0	24.9		ug/L		100	69 - 126
Bromoform	25.0	34.9	*+	ug/L		140	57 - 129
Bromomethane	25.0	20.1		ug/L		80	36 - 142
2-Butanone	50.0	53.6		ug/L		107	54 - 156
Carbon disulfide	25.0	23.8		ug/L		95	43 - 140
Carbon tetrachloride	25.0	28.7		ug/L		115	55 - 137
Chlorobenzene	25.0	26.0		ug/L		104	80 - 121
Chloroethane	25.0	17.9		ug/L		72	38 - 152
2-Chloroethyl vinyl ether	25.0	24.5		ug/L		98	40 - 157
Chloroform	25.0	23.6		ug/L		94	74 - 122
Chloromethane	25.0	20.4		ug/L		82	47 - 143
2-Chlorotoluene	25.0	24.9		ug/L		99	79 - 124
4-Chlorotoluene	25.0	26.7		ug/L		107	80 - 125
cis-1,2-Dichloroethene	25.0	23.8		ug/L		95	77 - 123
cis-1,3-Dichloropropene	25.0	24.8		ug/L		99	64 - 130
Dibromochloromethane	25.0	30.3		ug/L		121	70 - 124
1,2-Dibromo-3-Chloropropane	25.0	29.3		ug/L		117	53 - 135
1,2-Dibromoethane	25.0	26.7		ug/L		107	71 - 134
Dibromomethane	25.0	28.0		ug/L		112	67 - 131
1,2-Dichlorobenzene	25.0	26.0		ug/L		104	78 - 120
1,3-Dichlorobenzene	25.0	26.8		ug/L		107	80 - 120

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

Lab Sample ID: LCS 240-540740/5
Matrix: Water
Analysis Batch: 540740

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	25.0	26.4		ug/L		105	80 - 120
Dichlorodifluoromethane	25.0	22.3		ug/L		89	34 - 153
1,1-Dichloroethane	25.0	23.0		ug/L		92	72 - 127
1,2-Dichloroethane	25.0	22.9		ug/L		91	66 - 128
1,1-Dichloroethene	25.0	25.1		ug/L		100	63 - 134
1,2-Dichloropropane	25.0	24.1		ug/L		96	75 - 133
1,3-Dichloropropane	25.0	25.3		ug/L		101	68 - 139
2,2-Dichloropropane	25.0	24.9		ug/L		100	48 - 142
1,1-Dichloropropene	25.0	24.1		ug/L		96	71 - 124
Ethylbenzene	25.0	25.2		ug/L		101	80 - 121
Hexachlorobutadiene	25.0	21.1		ug/L		84	37 - 162
2-Hexanone	50.0	57.5		ug/L		115	43 - 167
Isopropylbenzene	25.0	25.1		ug/L		100	74 - 128
Methylene Chloride	25.0	24.3		ug/L		97	71 - 125
4-Methyl-2-pentanone	50.0	54.7		ug/L		109	46 - 158
Methyl tert-butyl ether	25.0	23.7		ug/L		95	65 - 126
m-Xylene & p-Xylene	25.0	25.5		ug/L		102	80 - 120
Naphthalene	25.0	24.4		ug/L		98	53 - 138
n-Butylbenzene	25.0	22.5		ug/L		90	62 - 139
n-Propylbenzene	25.0	24.2		ug/L		97	76 - 127
o-Xylene	25.0	25.6		ug/L		102	80 - 123
p-Isopropyltoluene	25.0	24.5		ug/L		98	71 - 132
sec-Butylbenzene	25.0	23.8		ug/L		95	69 - 135
Styrene	25.0	25.8		ug/L		103	80 - 135
tert-Butyl alcohol	250	311		ug/L		124	33 - 153
tert-Butylbenzene	25.0	24.2		ug/L		97	64 - 134
1,1,1,2-Tetrachloroethane	25.0	31.3	*+	ug/L		125	71 - 124
1,1,2,2-Tetrachloroethane	25.0	25.7		ug/L		103	58 - 157
Tetrachloroethene	25.0	29.3		ug/L		117	76 - 123
Toluene	25.0	24.9		ug/L		100	80 - 123
trans-1,2-Dichloroethene	25.0	24.4		ug/L		97	75 - 124
trans-1,3-Dichloropropene	25.0	27.3		ug/L		109	57 - 129
1,2,3-Trichlorobenzene	25.0	24.1		ug/L		96	45 - 149
1,2,4-Trichlorobenzene	25.0	24.2		ug/L		97	44 - 147
1,1,1-Trichloroethane	25.0	25.3		ug/L		101	64 - 131
Trichloroethene	25.0	26.6		ug/L		106	70 - 122
Trichlorofluoromethane	25.0	21.2		ug/L		85	30 - 170
1,2,3-Trichloropropane	25.0	26.4		ug/L		106	57 - 150
1,1,2-Trichloro-1,2,2-trichfluoroethane	25.0	25.3		ug/L		101	51 - 146
1,2,4-Trimethylbenzene	25.0	24.9		ug/L		99	77 - 129
Vinyl acetate	25.0	30.9		ug/L		124	44 - 145
Vinyl chloride	25.0	20.7		ug/L		83	60 - 144
Xylenes, Total	50.0	51.1		ug/L		102	80 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*56 - 136*
Dibromofluoromethane (Surr)	*105*		*73 - 120*

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

Lab Sample ID: LCS 240-540740/5
Matrix: Water
Analysis Batch: 540740

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*98*		*62 - 137*
Toluene-d8 (Surr)	*108*		*78 - 122*

Lab Sample ID: LCS 240-540740/6
Matrix: Water
Analysis Batch: 540740

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diisopropyl ether	25.0	25.1		ug/L		100	70 - 124
Ethyl-t-butyl ether (ETBE)	25.0	23.6		ug/L		94	62 - 135
Tert-amyl-methyl ether (TAME)	25.0	22.5		ug/L		90	60 - 128
1,2,3-Trimethylbenzene	25.0	24.2		ug/L		97	72 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*102*		*56 - 136*
Dibromofluoromethane (Surr)	*105*		*73 - 120*
1,2-Dichloroethane-d4 (Surr)	*91*		*62 - 137*
Toluene-d8 (Surr)	*102*		*78 - 122*

GC/MS VOA

Analysis Batch: 540508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-171981-1	MSA-SW37A-082222	Total/NA	Water	8260C	
240-171981-2	MSA-SW37B-082222	Total/NA	Water	8260C	
240-171981-3	MSA-SW37C-082222	Total/NA	Water	8260C	
240-171981-4	MSA-SW37D-082222	Total/NA	Water	8260C	
240-171981-5	MSA-SW38A-082222	Total/NA	Water	8260C	
240-171981-6	MSA-SW38B-082222	Total/NA	Water	8260C	
240-171981-7	MSA-SW38C-082222	Total/NA	Water	8260C	
240-171981-8	MSA-SW38D-082222	Total/NA	Water	8260C	
240-171981-9	MSA-SW40A-082222	Total/NA	Water	8260C	
240-171981-10	MSA-SW40B-082222	Total/NA	Water	8260C	
240-171981-11	MSA-SW40C-082222	Total/NA	Water	8260C	
240-171981-12	MSA-SW40D-082222	Total/NA	Water	8260C	
240-171981-13	MSA-SW41A-082222	Total/NA	Water	8260C	
240-171981-14	MSA-SW41B-082222	Total/NA	Water	8260C	
240-171981-15	MSA-SW41C-082222	Total/NA	Water	8260C	
240-171981-16	MSA-SW41D-082222	Total/NA	Water	8260C	
240-171981-17	MSA-SW42A-082222	Total/NA	Water	8260C	
240-171981-18	MSA-SW42B-082222	Total/NA	Water	8260C	
240-171981-19	MSA-SW42C-082222	Total/NA	Water	8260C	
MB 240-540508/8	Method Blank	Total/NA	Water	8260C	
LCS 240-540508/5	Lab Control Sample	Total/NA	Water	8260C	
LCS 240-540508/6	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 540740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-171981-20	MSA-SW42D-082222	Total/NA	Water	8260C	
240-171981-21	MSA-SW43A-082222	Total/NA	Water	8260C	
240-171981-22	MSA-SW43B-082222	Total/NA	Water	8260C	
240-171981-23	MSA-SW43C-082222	Total/NA	Water	8260C	
240-171981-24	MSA-SW43D-082222	Total/NA	Water	8260C	
240-171981-25	TB-082222	Total/NA	Water	8260C	
240-171981-26	MSA-SW46A-082222	Total/NA	Water	8260C	
240-171981-27	MSA-SW47A-082222	Total/NA	Water	8260C	
240-171981-28	MSA-SW48A-082222	Total/NA	Water	8260C	
240-171981-29	MSA-SW49A-082222	Total/NA	Water	8260C	
240-171981-30	MSA-SWEQB-082222	Total/NA	Water	8260C	
MB 240-540740/8	Method Blank	Total/NA	Water	8260C	
LCS 240-540740/5	Lab Control Sample	Total/NA	Water	8260C	
LCS 240-540740/6	Lab Control Sample	Total/NA	Water	8260C	

Client Sample ID: MSA-SW37A-082222
Lab Sample ID: 240-171981-1
Date Collected: 08/22/22 12:40
Matrix: Water
Date Received: 08/23/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	540508	SAM	EET CAN	08/29/22 13:53

Client Sample ID: MSA-SW37B-082222
Lab Sample ID: 240-171981-2
Date Collected: 08/22/22 12:42
Matrix: Water
Date Received: 08/23/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	540508	SAM	EET CAN	08/29/22 14:17

Client Sample ID: MSA-SW37C-082222
Lab Sample ID: 240-171981-3
Date Collected: 08/22/22 12:44
Matrix: Water
Date Received: 08/23/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	540508	SAM	EET CAN	08/29/22 14:40

Client Sample ID: MSA-SW37D-082222
Lab Sample ID: 240-171981-4
Date Collected: 08/22/22 12:47
Matrix: Water
Date Received: 08/23/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	540508	SAM	EET CAN	08/29/22 15:04

Client Sample ID: MSA-SW38A-082222
Lab Sample ID: 240-171981-5
Date Collected: 08/22/22 11:53
Matrix: Water
Date Received: 08/23/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	540508	SAM	EET CAN	08/29/22 15:27

Client Sample ID: MSA-SW38B-082222
Lab Sample ID: 240-171981-6
Date Collected: 08/22/22 11:55
Matrix: Water
Date Received: 08/23/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	540508	SAM	EET CAN	08/29/22 15:51

Client Sample ID: MSA-SW38C-082222
Lab Sample ID: 240-171981-7
Date Collected: 08/22/22 11:58
Matrix: Water
Date Received: 08/23/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	540508	SAM	EET CAN	08/29/22 16:15

Client Sample ID: MSA-SW38D-082222
Lab Sample ID: 240-171981-8
Date Collected: 08/22/22 12:00
Matrix: Water
Date Received: 08/23/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	540508	SAM	EET CAN	08/29/22 16:38

Client Sample ID: MSA-SW40A-082222
Lab Sample ID: 240-171981-9
Date Collected: 08/22/22 12:11
Matrix: Water
Date Received: 08/23/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	540508	SAM	EET CAN	08/29/22 17:02

Client Sample ID: MSA-SW40B-082222
Lab Sample ID: 240-171981-10
Date Collected: 08/22/22 12:14
Matrix: Water
Date Received: 08/23/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	540508	SAM	EET CAN	08/29/22 17:26

Client Sample ID: MSA-SW40C-082222
Lab Sample ID: 240-171981-11
Date Collected: 08/22/22 12:17
Matrix: Water
Date Received: 08/23/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	540508	SAM	EET CAN	08/29/22 17:49

Client Sample ID: MSA-SW40D-082222
Lab Sample ID: 240-171981-12
Date Collected: 08/22/22 12:20
Matrix: Water
Date Received: 08/23/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	540508	SAM	EET CAN	08/29/22 18:13

Client Sample ID: MSA-SW41A-082222
Lab Sample ID: 240-171981-13
Date Collected: 08/22/22 11:34
Matrix: Water
Date Received: 08/23/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	540508	SAM	EET CAN	08/29/22 18:37

Client Sample ID: MSA-SW41B-082222
Lab Sample ID: 240-171981-14
Date Collected: 08/22/22 11:38
Matrix: Water
Date Received: 08/23/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	540508	SAM	EET CAN	08/29/22 19:01

Client Sample ID: MSA-SW41C-082222
Lab Sample ID: 240-171981-15
Date Collected: 08/22/22 11:40
Matrix: Water
Date Received: 08/23/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	540508	SAM	EET CAN	08/29/22 19:24

Client Sample ID: MSA-SW41D-082222
Lab Sample ID: 240-171981-16
Date Collected: 08/22/22 11:43
Matrix: Water
Date Received: 08/23/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	540508	SAM	EET CAN	08/29/22 19:48

Client Sample ID: MSA-SW42A-082222
Lab Sample ID: 240-171981-17
Date Collected: 08/22/22 12:26
Matrix: Water
Date Received: 08/23/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	540508	SAM	EET CAN	08/29/22 20:11

Client Sample ID: MSA-SW42B-082222
Lab Sample ID: 240-171981-18
Date Collected: 08/22/22 12:28
Matrix: Water
Date Received: 08/23/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	540508	SAM	EET CAN	08/29/22 20:35

Client Sample ID: MSA-SW42C-082222
Lab Sample ID: 240-171981-19
Date Collected: 08/22/22 12:31
Matrix: Water
Date Received: 08/23/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	540508	SAM	EET CAN	08/29/22 20:59

Client Sample ID: MSA-SW42D-082222
Lab Sample ID: 240-171981-20
Date Collected: 08/22/22 12:35
Matrix: Water
Date Received: 08/23/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	540740	SAM	EET CAN	08/30/22 17:44

Client Sample ID: MSA-SW43A-082222
Lab Sample ID: 240-171981-21
Date Collected: 08/22/22 11:12
Matrix: Water
Date Received: 08/23/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	540740	SAM	EET CAN	08/30/22 18:08

Client Sample ID: MSA-SW43B-082222
Lab Sample ID: 240-171981-22
Date Collected: 08/22/22 11:17
Matrix: Water
Date Received: 08/23/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	540740	SAM	EET CAN	08/30/22 18:31

Client Sample ID: MSA-SW43C-082222
Lab Sample ID: 240-171981-23
Date Collected: 08/22/22 11:19
Matrix: Water
Date Received: 08/23/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	540740	SAM	EET CAN	08/30/22 18:55

Client Sample ID: MSA-SW43D-082222
Lab Sample ID: 240-171981-24
Date Collected: 08/22/22 11:25
Matrix: Water
Date Received: 08/23/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	540740	SAM	EET CAN	08/30/22 19:18

Client Sample ID: TB-082222
Lab Sample ID: 240-171981-25
Date Collected: 08/22/22 00:00
Matrix: Water
Date Received: 08/23/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	540740	SAM	EET CAN	08/30/22 16:57

Client Sample ID: MSA-SW46A-082222
Lab Sample ID: 240-171981-26
Date Collected: 08/22/22 12:22
Matrix: Water
Date Received: 08/23/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	540740	SAM	EET CAN	08/30/22 19:42

Client Sample ID: MSA-SW47A-082222
Lab Sample ID: 240-171981-27
Date Collected: 08/22/22 12:05
Matrix: Water
Date Received: 08/23/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	540740	SAM	EET CAN	08/30/22 20:06

Client Sample ID: MSA-SW48A-082222
Lab Sample ID: 240-171981-28
Date Collected: 08/22/22 11:48
Matrix: Water
Date Received: 08/23/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	540740	SAM	EET CAN	08/30/22 20:29

Lab Chronicle

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water Sampling

Job ID: 240-171981-1
SDG: MSA Frog Mortar Creek

Client Sample ID: MSA-SW49A-082222

Lab Sample ID: 240-171981-29

Date Collected: 08/22/22 11:30

Matrix: Water

Date Received: 08/23/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	540740	SAM	EET CAN	08/30/22 20:53

Client Sample ID: MSA-SWEQB-082222

Lab Sample ID: 240-171981-30

Date Collected: 08/22/22 00:00

Matrix: Water

Date Received: 08/23/22 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		1	540740	SAM	EET CAN	08/30/22 17:20

Laboratory References:

EET CAN = Eurofins Canton, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: Tetra Tech, Inc.
Job ID: 240-171981-1
Project/Site: MSA Surface Water Sampling
SDG: MSA Frog Mortar Creek

Laboratory: Eurofins 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	02-27-23
Connecticut	State	PH-0590	12-31-23
Florida	NELAP	E87225	06-30-23
Georgia	State	4062	02-27-23
Illinois	NELAP	200004	07-31-23
Iowa	State	421	06-01-23
Kentucky (UST)	State	112225	02-27-23
Kentucky (WW)	State	KY98016	12-31-22
Minnesota	NELAP	039-999-348	12-31-22
Minnesota (Petrofund)	State	3506	08-01-23
New Jersey	NELAP	OH001	06-30-23
New York	NELAP	10975	04-01-23
Ohio	State	8303	02-23-23
Ohio VAP	State	CL0024	02-27-23
Oregon	NELAP	4062	02-27-23
Pennsylvania	NELAP	68-00340	08-31-23
Texas	NELAP	T104704517-22-17	08-31-22
Virginia	NELAP	11570	09-14-22
Washington	State	C971	01-12-23
West Virginia DEP	State	210	12-31-22

Method Summary

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water Sampling

Job ID: 240-171981-1
SDG: MSA Frog Mortar Creek

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET CAN
5030C	Purge and Trap	SW846	EET CAN

Protocol References:

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

Laboratory References:

EET CAN = Eurofins Canton, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: MSA Surface Water Sampling

Job ID: 240-171981-1
SDG: MSA Frog Mortar Creek

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-171981-1	MSA-SW37A-082222	Water	08/22/22 12:40	08/23/22 15:30
240-171981-2	MSA-SW37B-082222	Water	08/22/22 12:42	08/23/22 15:30
240-171981-3	MSA-SW37C-082222	Water	08/22/22 12:44	08/23/22 15:30
240-171981-4	MSA-SW37D-082222	Water	08/22/22 12:47	08/23/22 15:30
240-171981-5	MSA-SW38A-082222	Water	08/22/22 11:53	08/23/22 15:30
240-171981-6	MSA-SW38B-082222	Water	08/22/22 11:55	08/23/22 15:30
240-171981-7	MSA-SW38C-082222	Water	08/22/22 11:58	08/23/22 15:30
240-171981-8	MSA-SW38D-082222	Water	08/22/22 12:00	08/23/22 15:30
240-171981-9	MSA-SW40A-082222	Water	08/22/22 12:11	08/23/22 15:30
240-171981-10	MSA-SW40B-082222	Water	08/22/22 12:14	08/23/22 15:30
240-171981-11	MSA-SW40C-082222	Water	08/22/22 12:17	08/23/22 15:30
240-171981-12	MSA-SW40D-082222	Water	08/22/22 12:20	08/23/22 15:30
240-171981-13	MSA-SW41A-082222	Water	08/22/22 11:34	08/23/22 15:30
240-171981-14	MSA-SW41B-082222	Water	08/22/22 11:38	08/23/22 15:30
240-171981-15	MSA-SW41C-082222	Water	08/22/22 11:40	08/23/22 15:30
240-171981-16	MSA-SW41D-082222	Water	08/22/22 11:43	08/23/22 15:30
240-171981-17	MSA-SW42A-082222	Water	08/22/22 12:26	08/23/22 15:30
240-171981-18	MSA-SW42B-082222	Water	08/22/22 12:28	08/23/22 15:30
240-171981-19	MSA-SW42C-082222	Water	08/22/22 12:31	08/23/22 15:30
240-171981-20	MSA-SW42D-082222	Water	08/22/22 12:35	08/23/22 15:30
240-171981-21	MSA-SW43A-082222	Water	08/22/22 11:12	08/23/22 15:30
240-171981-22	MSA-SW43B-082222	Water	08/22/22 11:17	08/23/22 15:30
240-171981-23	MSA-SW43C-082222	Water	08/22/22 11:19	08/23/22 15:30
240-171981-24	MSA-SW43D-082222	Water	08/22/22 11:25	08/23/22 15:30
240-171981-25	TB-082222	Water	08/22/22 00:00	08/23/22 15:30
240-171981-26	MSA-SW46A-082222	Water	08/22/22 12:22	08/23/22 15:30
240-171981-27	MSA-SW47A-082222	Water	08/22/22 12:05	08/23/22 15:30
240-171981-28	MSA-SW48A-082222	Water	08/22/22 11:48	08/23/22 15:30
240-171981-29	MSA-SW49A-082222	Water	08/22/22 11:30	08/23/22 15:30
240-171981-30	MSA-SWEQB-082222	Water	08/22/22 00:00	08/23/22 15:30

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 Analysis Batch Number: 522080

Lab Sample ID: IC 240-522080/11 Client Sample ID:

Date Analyzed: 04/07/22 18:55 Lab File ID: 225043.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	2.82	Peak assignment corrected	macenczaks	04/08/22 09:17

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 Analysis Batch Number: 524416

Lab Sample ID: IC 240-524416/3 Client Sample ID:

Date Analyzed: 04/28/22 15:53 Lab File ID: 225395.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,1,2-Trichloro-1,2,2-trichfluoroethane	2.57	Peak assignment corrected	macenczaks	04/28/22 17:07

Lab Sample ID: IC 240-524416/11 Client Sample ID:

Date Analyzed: 04/28/22 19:03 Lab File ID: 225403.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	2.80	Peak assignment corrected	macenczaks	04/29/22 09:04

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 Analysis Batch Number: 540508

Lab Sample ID: CCVIS 240-540508/3 Client Sample ID:

Date Analyzed: 08/29/22 11:30 Lab File ID: 227976.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane	1.80	Poor chromatography	SE1B	08/29/22 11:50

Lab Sample ID: LCS 240-540508/5 Client Sample ID:

Date Analyzed: 08/29/22 12:18 Lab File ID: 227978.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane	1.80	Poor chromatography	SE1B	08/29/22 12:47

Lab Sample ID: MB 240-540508/8 Client Sample ID:

Date Analyzed: 08/29/22 13:29 Lab File ID: 227981.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane		Invalid Compound ID	SE1B	08/29/22 13:49

Lab Sample ID: 240-171981-1 Client Sample ID: MSA-SW37A-082222

Date Analyzed: 08/29/22 13:53 Lab File ID: 227982.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane		Invalid Compound ID	SE1B	08/29/22 15:02

Lab Sample ID: 240-171981-2 Client Sample ID: MSA-SW37B-082222

Date Analyzed: 08/29/22 14:17 Lab File ID: 227983.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane		Invalid Compound ID	SE1B	08/29/22 15:04

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 Analysis Batch Number: 540508

Lab Sample ID: 240-171981-3 Client Sample ID: MSA-SW37C-082222

Date Analyzed: 08/29/22 14:40 Lab File ID: 227984.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane		Invalid Compound ID	SE1B	08/29/22 15:05

Lab Sample ID: 240-171981-4 Client Sample ID: MSA-SW37D-082222

Date Analyzed: 08/29/22 15:04 Lab File ID: 227985.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Hexanone		Invalid Compound ID	SE1B	08/29/22 15:25
Chloroethane		Invalid Compound ID	SE1B	08/29/22 15:25

Lab Sample ID: 240-171981-5 Client Sample ID: MSA-SW38A-082222

Date Analyzed: 08/29/22 15:27 Lab File ID: 227986.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane		Invalid Compound ID	SE1B	08/29/22 16:16

Lab Sample ID: 240-171981-6 Client Sample ID: MSA-SW38B-082222

Date Analyzed: 08/29/22 15:51 Lab File ID: 227987.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane		Invalid Compound ID	SE1B	08/29/22 16:19

Lab Sample ID: 240-171981-8 Client Sample ID: MSA-SW38D-082222

Date Analyzed: 08/29/22 16:38 Lab File ID: 227989.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichloroethane		Invalid Compound ID	SE1B	08/30/22 09:41

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 Analysis Batch Number: 540740

Lab Sample ID: 240-171981-25 Client Sample ID: TB-082222

Date Analyzed: 08/30/22 16:57 Lab File ID: 228013.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichloropropane		Invalid Compound ID	SE1B	08/31/22 10:22

Lab Sample ID: 240-171981-20 Client Sample ID: MSA-SW42D-082222

Date Analyzed: 08/30/22 17:44 Lab File ID: 228015.D GC Column: DB-624 ID: 0.18(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzene		Invalid Compound ID	SE1B	08/31/22 10:28

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
vm25UX18IS_00004	05/01/22	11/01/21	MEOH, Lot +232960000273166JL	100 mL	VM568718_00023	10 mL	1,4-Dichlorobenzene-d4	25 ug/mL
							Chlorobenzene-d5	25 ug/mL
							Fluorobenzene	25 ug/mL
.VM568718_00023	01/31/26		restek, Lot A0168626		(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
vm25UX18IS_00005	11/02/22	05/02/22	MEOH, Lot +232960000273166JL	100 mL	VM568718_00023	10 mL	1,4-Dichlorobenzene-d4	25 ug/mL
							Chlorobenzene-d5	25 ug/mL
							Fluorobenzene	25 ug/mL
.VM568718_00023	01/31/26		restek, Lot A0168626		(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
vm25UX18SS_00005	07/25/22	01/25/22	MEOH, Lot +232960000273166JL	100 mL	VM567650_00035	1 mL	1,2-Dichloroethane-d4 (Surr)	25 ug/mL
							4-Bromofluorobenzene (Surr)	25 ug/mL
							Dibromofluoromethane (Surr)	25 ug/mL
							Toluene-d8 (Surr)	25 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
vm25UX18SS_00006	01/26/23	07/26/22	MEOH, Lot +232960000273166JL	100 mL	VM567650_00036	1 mL	1,2-Dichloroethane-d4 (Surr)	25 ug/mL
							4-Bromofluorobenzene (Surr)	25 ug/mL
							Dibromofluoromethane (Surr)	25 ug/mL
							Toluene-d8 (Surr)	25 ug/mL
.VM567650_00036	01/31/25		Restek, Lot A0156891		(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_00470	04/08/22	04/01/22	MEOH, Lot na	5 mL	vm50ss_stk_00090	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_00090	06/20/22	12/20/21	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_00472	05/05/22	04/28/22	MEOH, Lot na	5 mL	vm50ss_stk_00090	5 mL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene (Surr)	50 ug/mL

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA 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
.vm50ss_stk_00090	06/20/22	12/20/21	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
VMAROLISTDW_00432	04/11/22	04/04/22	MEOH, Lot na	5 mL	VMACROLSTD_00105	5 mL	Acrolein	250 ug/mL
.VMACROLSTD_00105	04/26/22	03/26/22	MEOH, Lot 0000273166	20 mL	VM568720_00042	0.25 mL	Acrolein	250 ug/mL
..VM568720_00042	02/28/23		restek, Lot A0175809		(Purchased Reagent)		Acrolein	20000 ug/mL
VMAROLISTDW_00435	05/04/22	04/27/22	MEOH, Lot na	5 mL	VMACROLSTD_00106	5 mL	Acrolein	250 ug/mL
.VMACROLSTD_00106	05/27/22	04/27/22	MEOH, Lot 0000273166	20 mL	VM568720_00042	0.25 mL	Acrolein	250 ug/mL
..VM568720_00042	02/28/23		restek, Lot A0175809		(Purchased Reagent)		Acrolein	20000 ug/mL
VMAROLISTDW_00451	08/29/22	08/24/22	MEOH, Lot na	5 mL	VMACROLSTD_00109	5 mL	Acrolein	250 ug/mL
.VMACROLSTD_00109	08/29/22	07/29/22	MEOH, Lot 0000273166	20 mL	VM568720_00042	0.25 mL	Acrolein	250 ug/mL
..VM568720_00042	02/28/23		restek, Lot A0175809		(Purchased Reagent)		Acrolein	20000 ug/mL
VMAROLISTDW_00452	09/06/22	08/30/22	MEOH, Lot na	5 mL	VMACROLSTD_00110	5 mL	Acrolein	250 ug/mL
.VMACROLSTD_00110	09/30/22	08/30/22	MEOH, Lot 0000273166	20 mL	VM568720_00042	0.25 mL	Acrolein	250 ug/mL
..VM568720_00042	02/28/23		restek, Lot A0175809		(Purchased Reagent)		Acrolein	20000 ug/mL
vmbfb_00028							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_00030							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Total BTEX	
							Trihalomethanes, Total	
							Xylenes, Total	
					vm30026_00003	2.5 mL	BFB	50 ug/mL
.vm30026_00003	08/31/23		restek, Lot A0141187		(Purchased Reagent)		BFB	2000 ug/mL
VMFASA9W_00354	04/12/22	04/05/22	MEOH, Lot NA	5 mL	VMFASA9_00029	5 mL	Cyclohexanone	500 ug/mL
							2-Methylnaphthalene	100 ug/mL
							1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Methacrylonitrile	500 ug/mL

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n-Butanol	1250 ug/mL
							Ethyl acetate	100 ug/mL
							Methyl methacrylate	100 ug/mL
							Acetonitrile	500 ug/mL
							Diisopropyl ether	50 ug/mL
							Ethyl-t-butyl ether (ETBE)	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl-methyl ether (TAME)	50 ug/mL
.VMFASA9_00029	08/01/22	02/01/22	MEOH, Lot 0000273166	100 mL	VM569727S_00005	2 mL	Cyclohexanone	500 ug/mL
					vm570807S_00006	4 mL	2-Methylnaphthalene	100 ug/mL
					VM570808S_00011	2 mL	1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	1250 ug/mL
					VM570809S_00010	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_00005	09/30/22		RESTEK, Lot A0152945		(Purchased Reagent)		Cyclohexanone	25000 ug/mL
..vm570807S_00006	12/31/23		Restek, Lot A0144306		(Purchased Reagent)		2-Methylnaphthalene	2500 ug/mL
..VM570808S_00011	10/31/22		Restek, Lot A0171439		(Purchased Reagent)		1,2,3-Trimethylbenzene	2500 ug/mL
							1,3,5-Trichlorobenzene	2500 ug/mL
							2-Nitropropane	5000 ug/mL
							Methacrylonitrile	25000 ug/mL
							n-Butanol	62500 ug/mL
..VM570809S_00010	10/31/22		Restek, Lot A0171207		(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
VMFASA9W_00371	08/31/22	08/24/22	MEOH, Lot NA	5 mL	VMFASA9_00030	5 mL	1,2,3-Trimethylbenzene	50 ug/mL
							Diisopropyl ether	50 ug/mL
							Ethyl-t-butyl ether (ETBE)	50 ug/mL
							Tert-amyl-methyl ether (TAME)	50 ug/mL
.VMFASA9_00030	10/31/22	07/30/22	MEOH, Lot 0000273166	50 mL	VM570808S_00011	1 mL	1,2,3-Trimethylbenzene	50 ug/mL
					VM571993S_00008	1 mL	Diisopropyl ether	50 ug/mL
							Ethyl-t-butyl ether (ETBE)	50 ug/mL
							Tert-amyl-methyl ether (TAME)	50 ug/mL
..VM570808S_00011	10/31/22		Restek, Lot A0171439		(Purchased Reagent)		1,2,3-Trimethylbenzene	2500 ug/mL
..VM571993S_00008	10/31/22		restek, Lot A0165034		(Purchased Reagent)		Diisopropyl ether	2500 ug/mL
							Ethyl-t-butyl ether (ETBE)	2500 ug/mL

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SDG No.: MSA Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tert-amyl-methyl ether (TAME)	2500 ug/mL
VMFASAW_00415	05/04/22	04/27/22	MEOH, Lot NA	5 mL	VMFASA_00074	5 mL	Acrolein	250 ug/mL
.VMFASA_00074	05/24/22	11/24/21	MEOH, Lot 0000273166	100 mL	VM568720S_00039	1.25 mL	Acrolein	250 ug/mL
..VM568720S_00039	08/31/22		restek, Lot A0169469		(Purchased Reagent)		Acrolein	20000 ug/mL
VMFASGW_00452	05/04/22	04/27/22	MEOH, Lot NA	5 mL	VMFASG_00118	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_00118	05/27/22	04/27/22	MEOH, Lot 0000273166	50 mL	vm569722S_00010	1 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_00010	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_00469	08/29/22	08/24/22	MEOH, Lot NA	5 mL	VMFASG_00121	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_00121	08/29/22	07/29/22	MEOH, Lot 0000273166	50 mL	vm569722S_00010	1 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_00010	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_00470	09/06/22	08/30/22	MEOH, Lot NA	5 mL	VMFASG_00122	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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.VMFASG_00122	09/30/22	08/30/22	MEOH, Lot 0000273166	50 mL	vm569722S_00010	1 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_00010	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_00441	05/01/22	04/24/22	MEOH, Lot n/a	5 mL	VMRFASP_00080	5 mL	2-Butanone	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone	100 ug/mL
							Acetone	100 ug/mL
							2-Chloroethyl vinyl ether	50 ug/mL
							Vinyl acetate	50 ug/mL
							1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL

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SDG No.: MSA Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							Total BTEX	250 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Trihalomethanes, Total	200 ug/mL
							Xylenes, Total	100 ug/mL
.VMRFASP_00080	06/01/22	12/01/21	MEOH, Lot 0000273166	100 mL	VM569721S_00007	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_00031	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

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA 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	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA 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
							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_00007	01/31/24		Restek, Lot A0167967		(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_00031	09/30/22		Restek, Lot A0169715		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
..VM571992S_00008	06/30/23		Restek, Lot A0167172		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromochloromethane	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							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_00456	08/29/22	08/22/22	MEOH, Lot n/a	5 mL	VMRFASP_00081	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

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
.VMRFASP_00081	09/30/22	04/29/22	MEOH, Lot 0000273166	100 mL	VM569721S_00007	0.8 mL	2-Butanone	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone	100 ug/mL

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetone	100 ug/mL
					VM569723S_00009	2 mL	2-Chloroethyl vinyl ether	50 ug/mL
					VM569724S_00031	1 mL	Vinyl acetate	50 ug/mL
					VM571992S_00008	2 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00007	01/31/24		Restek, Lot A0167967		(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_00031	09/30/22		Restek, Lot A0169715		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
..VM571992S_00008	06/30/23		Restek, Lot A0167172		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromochloromethane	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00457	09/05/22	08/29/22	MEOH, Lot n/a	5 mL	VMRFASP_00081	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

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA 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
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
.VMRFASP_00081	09/30/22	04/29/22	MEOH, Lot 0000273166	100 mL	VM569721S_00007	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_00031	1 mL	Vinyl acetate	50 ug/mL

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					VM571992S_00008	2 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							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_00007	01/31/24		Restek, Lot A0167967		(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_00031	09/30/22		Restek, Lot A0169715		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
..VM571992S_00008	06/30/23		Restek, Lot A0167172		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trichfluoroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromochloromethane	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,3-Dichloropropene	2500 ug/mL
							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_00430	04/08/22	04/01/22	MEOH, Lot NA	5 mL	VMRA9_00040	5 mL	Cyclohexanone	500 ug/mL
							Pentachloroethane	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							1-Chlorohexane	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Benzyl chloride	50 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	1250 ug/mL
							Ethyl acetate	100 ug/mL
							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_00040	10/01/22	04/01/22	MEOH, Lot 0000273166	50 mL	VM569727_00006	1 mL	Cyclohexanone	500 ug/mL
					vm570806_00005	2 mL	Pentachloroethane	100 ug/mL
					vm570807_00006	2 mL	2-Methylnaphthalene	100 ug/mL
					VM570808_00008	1 mL	1,2,3-Trimethylbenzene	50 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00010	1 mL	Ethyl acetate	100 ug/mL
							Methyl methacrylate	100 ug/mL
							n-Butyl acetate	50 ug/mL
					VM571993_00005	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_00006	08/31/24		RESTEK, Lot A0175475		(Purchased Reagent)		Cyclohexanone	25000 ug/mL
..vm570806_00005	08/31/23		Restek, Lot A0140938		(Purchased Reagent)		Pentachloroethane	2500 ug/mL
..vm570807_00006	09/30/24		Restek, Lot A0153266		(Purchased Reagent)		2-Methylnaphthalene	2500 ug/mL
..VM570808_00008	04/30/23		Restek, Lot A0177095		(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_00010	12/31/22		Restek, Lot A0173205		(Purchased Reagent)		Ethyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
							n-Butyl acetate	2500 ug/mL
..VM571993_00005	06/30/23		restek, Lot A0172903		(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_00448	09/02/22	08/26/22	MEOH, Lot NA	5 mL	VMRA9_00041	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

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tert-amyl-methyl ether (TAME)	50 ug/mL
.VMRA9_00041	12/31/22	08/05/22	MEOH, Lot 0000273166	50 mL	VM569727_00006	1 mL	Cyclohexanone	500 ug/mL
					vm570806_00005	2 mL	Pentachloroethane	100 ug/mL
					vm570807_00006	2 mL	2-Methylnaphthalene	100 ug/mL
					VM570808_00008	1 mL	1,2,3-Trimethylbenzene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	1250 ug/mL
					VM570809_00010	1 mL	Ethyl acetate	100 ug/mL
							Methyl methacrylate	100 ug/mL
					VM571993_00005	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_00006	08/31/24		RESTEK, Lot A0175475		(Purchased Reagent)		Cyclohexanone	25000 ug/mL
..vm570806_00005	08/31/23		Restek, Lot A0140938		(Purchased Reagent)		Pentachloroethane	2500 ug/mL
..vm570807_00006	09/30/24		Restek, Lot A0153266		(Purchased Reagent)		2-Methylnaphthalene	2500 ug/mL
..VM570808_00008	04/30/23		Restek, Lot A0177095		(Purchased Reagent)		1,2,3-Trimethylbenzene	2500 ug/mL
							2-Nitropropane	5000 ug/mL
							Methacrylonitrile	25000 ug/mL
							n-Butanol	62500 ug/mL
..VM570809_00010	12/31/22		Restek, Lot A0173205		(Purchased Reagent)		Ethyl acetate	5000 ug/mL
							Methyl methacrylate	5000 ug/mL
..VM571993_00005	06/30/23		restek, Lot A0172903		(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_00421	04/07/22	03/31/22	MEOH, Lot 0000273166	10 mL	vm569722_00020	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_00020	04/30/24		Restek, Lot A0171131		(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_00424	05/01/22	04/24/22	MEOH, Lot 0000273166	10 mL	vm569722_00020	0.2 mL	Bromomethane	50 ug/mL
							Butadiene	50 ug/mL

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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
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.vm569722_00020	04/30/24		Restek, Lot A0171131		(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_00439	08/31/22	08/24/22	MEOH, Lot 0000273166	10 mL	vm569722_00021	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_00021	04/30/24		Restek, Lot A0171131		(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_00476	04/13/22	04/06/22	MEOH, Lot NA	5 mL	VMRPRIM_00055	5 mL	2-Butanone	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone	100 ug/mL
							Acetone	100 ug/mL
							2-Chloroethyl vinyl ether	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

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
.VMRPRIM_00055	07/31/22	02/25/22	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_00010	2 mL	2-Chloroethyl vinyl ether	100 ug/mL
					VM569724_00026	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

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							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_00010	09/30/24		restek, Lot A0176827		(Purchased Reagent)		2-Chloroethyl vinyl ether	2500 ug/mL
..VM569724_00026	07/31/22		Restek, Lot A0168154		(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

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloro-1,2,2-trichfluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromochloromethane	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL

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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
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							n-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							p-Isopropyltoluene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butyl alcohol	25000 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
VMRPRIMW_00476	04/13/22	04/06/22	MEOH, Lot NA	5 mL	VMRPRIM_00055	5 mL	Total BTEX	250 ug/mL
							Trihalomethanes, Total	200 ug/mL
							Xylenes, Total	100 ug/mL
.VMRPRIM_00055	07/31/22	02/25/22	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_00479	04/29/22	04/22/22	MEOH, Lot NA	5 mL	VMRPRIM_00055	5 mL	2-Butanone	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone	100 ug/mL
							Acetone	100 ug/mL
							2-Chloroethyl vinyl ether	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

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-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

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA 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
							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_00055	07/31/22	02/25/22	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_00010	2 mL	2-Chloroethyl vinyl ether	100 ug/mL
					VM569724_00026	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

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
..VM569721_00007	09/30/22		Restek, Lot A0152956		(Purchased Reagent)		2-Butanone	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone	12500 ug/mL
							Acetone	12500 ug/mL
..VM569723_00010	09/30/24		restek, Lot A0176827		(Purchased Reagent)		2-Chloroethyl vinyl ether	2500 ug/mL
..VM569724_00026	07/31/22		Restek, Lot A0168154		(Purchased Reagent)		Vinyl acetate	5000 ug/mL

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SDG No.: MSA 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
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dibromoethane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromochloromethane	2500 ug/mL
							Bromodichloromethane	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromochloromethane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							n-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							p-Isopropyltoluene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butyl alcohol	25000 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
VMRPRIMW_00479	04/29/22	04/22/22	MEOH, Lot NA	5 mL	VMRPRIM_00055	5 mL	Total BTEX	250 ug/mL
							Trihalomethanes, Total	200 ug/mL
							Xylenes, Total	100 ug/mL
.VMRPRIM_00055	07/31/22	02/25/22	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_00495	09/01/22	08/25/22	MEOH, Lot NA	5 mL	VMRPRIM_00058	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

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SDG No.: MSA 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-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dibromoethane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromochloromethane	50 ug/mL
							Bromodichloromethane	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dibromochloromethane	50 ug/mL
							Dibromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							p-Isopropyltoluene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butyl alcohol	500 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL

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SDG No.: MSA Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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_00058	09/30/22	07/29/22	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_00010	2 mL	2-Chloroethyl vinyl ether	100 ug/mL
					VM569724_00027	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

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SDG No.: MSA Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,3-Dichloropropene	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_00010	09/30/24		restek, Lot A0176827		(Purchased Reagent)		2-Chloroethyl vinyl ether	2500 ug/mL
..VM569724_00027	06/30/23		Restek, Lot A0179890		(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

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SDG No.: MSA Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichloroethene	2500 ug/mL
							Trihalomethanes, Total	10000 ug/mL
							Xylenes, Total	5000 ug/mL

Method 8260C

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA 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-082222	240-171981-1	106	102	102	98
MSA-SW37B-082222	240-171981-2	108	101	104	97
MSA-SW37C-082222	240-171981-3	108	103	102	98
MSA-SW37D-082222	240-171981-4	108	103	103	99
MSA-SW38A-082222	240-171981-5	108	102	103	98
MSA-SW38B-082222	240-171981-6	108	103	102	97
MSA-SW38C-082222	240-171981-7	107	102	102	96
MSA-SW38D-082222	240-171981-8	107	105	100	96
MSA-SW40A-082222	240-171981-9	104	98	101	95
MSA-SW40B-082222	240-171981-10	107	101	101	92
MSA-SW40C-082222	240-171981-11	105	101	99	94
MSA-SW40D-082222	240-171981-12	103	98	100	96
MSA-SW41A-082222	240-171981-13	105	100	99	94
MSA-SW41B-082222	240-171981-14	104	98	98	93
MSA-SW41C-082222	240-171981-15	105	100	99	95
MSA-SW41D-082222	240-171981-16	102	96	98	93
MSA-SW42A-082222	240-171981-17	104	99	97	92
MSA-SW42B-082222	240-171981-18	104	97	98	93
MSA-SW42C-082222	240-171981-19	103	98	96	91
MSA-SW42D-082222	240-171981-20	108	99	101	97
MSA-SW43A-082222	240-171981-21	108	99	103	98
MSA-SW43B-082222	240-171981-22	106	97	100	96
MSA-SW43C-082222	240-171981-23	108	99	102	96
MSA-SW43D-082222	240-171981-24	107	100	100	96
TB-082222	240-171981-25	106	94	104	98
MSA-SW46A-082222	240-171981-26	106	97	99	95
MSA-SW47A-082222	240-171981-27	107	98	101	96
MSA-SW48A-082222	240-171981-28	107	97	100	95
MSA-SW49A-082222	240-171981-29	106	98	99	96
MSA-SWEQB-082222	240-171981-30	108	96	103	97
	MB 240-540508/8	104	98	113	98
	MB 240-540740/8	113	105	101	97
	LCS 240-540508/5	102	95	107	102
	LCS 240-540508/6	103	98	104	102
	LCS 240-540740/5	105	98	108	104

	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 Canton Job No.: 240-171981-1

SDG No.: MSA 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 #
	LCS 240-540740/6	105	91	102	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 Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: 227978.D

Lab ID: LCS 240-540508/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	50.0	47.6	95	50-149	
Benzene	25.0	24.3	97	77-123	
Bromobenzene	25.0	27.5	110	80-122	
Bromochloromethane	25.0	21.5	86	71-121	
Bromodichloromethane	25.0	23.7	95	69-126	
Bromoform	25.0	31.6	127	57-129	
Bromomethane	25.0	13.6	54	36-142	
2-Butanone	50.0	51.3	103	54-156	
Carbon disulfide	25.0	22.8	91	43-140	
Carbon tetrachloride	25.0	27.1	108	55-137	
Chlorobenzene	25.0	25.3	101	80-121	
Chloroethane	25.0	13.0	52	38-152	
2-Chloroethyl vinyl ether	25.0	24.3	97	40-157	
Chloroform	25.0	22.6	90	74-122	
Chloromethane	25.0	20.1	80	47-143	
2-Chlorotoluene	25.0	25.8	103	79-124	
4-Chlorotoluene	25.0	26.7	107	80-125	
cis-1,2-Dichloroethene	25.0	23.2	93	77-123	
cis-1,3-Dichloropropene	25.0	24.7	99	64-130	
Dibromochloromethane	25.0	27.2	109	70-124	
1,2-Dibromo-3-Chloropropane	25.0	27.6	111	53-135	
1,2-Dibromoethane	25.0	25.6	103	71-134	
Dibromomethane	25.0	27.3	109	67-131	
1,2-Dichlorobenzene	25.0	25.9	104	78-120	
1,3-Dichlorobenzene	25.0	26.1	104	80-120	
1,4-Dichlorobenzene	25.0	26.1	104	80-120	
Dichlorodifluoromethane	25.0	18.9	75	34-153	
1,1-Dichloroethane	25.0	22.9	92	72-127	
1,2-Dichloroethane	25.0	22.0	88	66-128	
1,1-Dichloroethene	25.0	24.3	97	63-134	
1,2-Dichloropropane	25.0	24.1	97	75-133	
1,3-Dichloropropane	25.0	24.9	100	68-139	
2,2-Dichloropropane	25.0	24.2	97	48-142	
1,1-Dichloropropene	25.0	24.7	99	71-124	
Ethylbenzene	25.0	24.6	98	80-121	
Hexachlorobutadiene	25.0	24.9	100	37-162	
2-Hexanone	50.0	51.9	104	43-167	
Isopropylbenzene	25.0	24.5	98	74-128	
Methylene Chloride	25.0	23.7	95	71-125	
4-Methyl-2-pentanone	50.0	50.5	101	46-158	
Methyl tert-butyl ether	25.0	23.4	93	65-126	
m-Xylene & p-Xylene	25.0	24.5	98	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: 227978.D

Lab ID: LCS 240-540508/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	25.0	23.7	95	53-138	
n-Butylbenzene	25.0	22.2	89	62-139	
n-Propylbenzene	25.0	24.9	100	76-127	
o-Xylene	25.0	24.5	98	80-123	
p-Isopropyltoluene	25.0	24.0	96	71-132	
sec-Butylbenzene	25.0	23.2	93	69-135	
Styrene	25.0	24.9	99	80-135	
tert-Butyl alcohol	250	286	115	33-153	
tert-Butylbenzene	25.0	24.0	96	64-134	
1,1,1,2-Tetrachloroethane	25.0	29.1	116	71-124	
1,1,2,2-Tetrachloroethane	25.0	26.3	105	58-157	
Tetrachloroethene	25.0	28.5	114	76-123	
Toluene	25.0	24.3	97	80-123	
trans-1,2-Dichloroethene	25.0	23.4	94	75-124	
trans-1,3-Dichloropropene	25.0	26.2	105	57-129	
1,2,3-Trichlorobenzene	25.0	25.1	100	45-149	
1,2,4-Trichlorobenzene	25.0	25.9	104	44-147	
1,1,1-Trichloroethane	25.0	23.7	95	64-131	
Trichloroethene	25.0	26.5	106	70-122	
Trichlorofluoromethane	25.0	17.8	71	30-170	
1,2,3-Trichloropropane	25.0	25.9	104	57-150	
1,1,2-Trichloro-1,2,2-trichfluoroethane	25.0	25.0	100	51-146	
1,2,4-Trimethylbenzene	25.0	24.3	97	77-129	
Vinyl acetate	25.0	24.1	96	44-145	
Vinyl chloride	25.0	20.6	82	60-144	
Xylenes, Total	50.0	49.0	98	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 Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: 227979.D

Lab ID: LCS 240-540508/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Diisopropyl ether	25.0	25.4	102	70-124	
Ethyl-t-butyl ether (ETBE)	25.0	23.9	95	62-135	
Tert-amyl-methyl ether (TAME)	25.0	22.3	89	60-128	
1,2,3-Trimethylbenzene	25.0	23.5	94	72-133	

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 Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: 228008.D

Lab ID: LCS 240-540740/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Acetone	50.0	49.6	99	50-149	
Benzene	25.0	24.8	99	77-123	
Bromobenzene	25.0	26.1	104	80-122	
Bromochloromethane	25.0	22.3	89	71-121	
Bromodichloromethane	25.0	24.9	100	69-126	
Bromoform	25.0	34.9	140	57-129	*+
Bromomethane	25.0	20.1	80	36-142	
2-Butanone	50.0	53.6	107	54-156	
Carbon disulfide	25.0	23.8	95	43-140	
Carbon tetrachloride	25.0	28.7	115	55-137	
Chlorobenzene	25.0	26.0	104	80-121	
Chloroethane	25.0	17.9	72	38-152	
2-Chloroethyl vinyl ether	25.0	24.5	98	40-157	
Chloroform	25.0	23.6	94	74-122	
Chloromethane	25.0	20.4	82	47-143	
2-Chlorotoluene	25.0	24.9	99	79-124	
4-Chlorotoluene	25.0	26.7	107	80-125	
cis-1,2-Dichloroethene	25.0	23.8	95	77-123	
cis-1,3-Dichloropropene	25.0	24.8	99	64-130	
Dibromochloromethane	25.0	30.3	121	70-124	
1,2-Dibromo-3-Chloropropane	25.0	29.3	117	53-135	
1,2-Dibromoethane	25.0	26.7	107	71-134	
Dibromomethane	25.0	28.0	112	67-131	
1,2-Dichlorobenzene	25.0	26.0	104	78-120	
1,3-Dichlorobenzene	25.0	26.8	107	80-120	
1,4-Dichlorobenzene	25.0	26.4	105	80-120	
Dichlorodifluoromethane	25.0	22.3	89	34-153	
1,1-Dichloroethane	25.0	23.0	92	72-127	
1,2-Dichloroethane	25.0	22.9	91	66-128	
1,1-Dichloroethene	25.0	25.1	100	63-134	
1,2-Dichloropropane	25.0	24.1	96	75-133	
1,3-Dichloropropane	25.0	25.3	101	68-139	
2,2-Dichloropropane	25.0	24.9	100	48-142	
1,1-Dichloropropene	25.0	24.1	96	71-124	
Ethylbenzene	25.0	25.2	101	80-121	
Hexachlorobutadiene	25.0	21.1	84	37-162	
2-Hexanone	50.0	57.5	115	43-167	
Isopropylbenzene	25.0	25.1	100	74-128	
Methylene Chloride	25.0	24.3	97	71-125	
4-Methyl-2-pentanone	50.0	54.7	109	46-158	
Methyl tert-butyl ether	25.0	23.7	95	65-126	
m-Xylene & p-Xylene	25.0	25.5	102	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 Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: 228008.D

Lab ID: LCS 240-540740/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Naphthalene	25.0	24.4	98	53-138	
n-Butylbenzene	25.0	22.5	90	62-139	
n-Propylbenzene	25.0	24.2	97	76-127	
o-Xylene	25.0	25.6	102	80-123	
p-Isopropyltoluene	25.0	24.5	98	71-132	
sec-Butylbenzene	25.0	23.8	95	69-135	
Styrene	25.0	25.8	103	80-135	
tert-Butyl alcohol	250	311	124	33-153	
tert-Butylbenzene	25.0	24.2	97	64-134	
1,1,1,2-Tetrachloroethane	25.0	31.3	125	71-124	*+
1,1,2,2-Tetrachloroethane	25.0	25.7	103	58-157	
Tetrachloroethene	25.0	29.3	117	76-123	
Toluene	25.0	24.9	100	80-123	
trans-1,2-Dichloroethene	25.0	24.4	97	75-124	
trans-1,3-Dichloropropene	25.0	27.3	109	57-129	
1,2,3-Trichlorobenzene	25.0	24.1	96	45-149	
1,2,4-Trichlorobenzene	25.0	24.2	97	44-147	
1,1,1-Trichloroethane	25.0	25.3	101	64-131	
Trichloroethene	25.0	26.6	106	70-122	
Trichlorofluoromethane	25.0	21.2	85	30-170	
1,2,3-Trichloropropane	25.0	26.4	106	57-150	
1,1,2-Trichloro-1,2,2-trichfluoroethane	25.0	25.3	101	51-146	
1,2,4-Trimethylbenzene	25.0	24.9	99	77-129	
Vinyl acetate	25.0	30.9	124	44-145	
Vinyl chloride	25.0	20.7	83	60-144	
Xylenes, Total	50.0	51.1	102	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 Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Matrix: Water Level: Low Lab File ID: 228009.D

Lab ID: LCS 240-540740/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Diisopropyl ether	25.0	25.1	100	70-124	
Ethyl-t-butyl ether (ETBE)	25.0	23.6	94	62-135	
Tert-amyl-methyl ether (TAME)	25.0	22.5	90	60-128	
1,2,3-Trimethylbenzene	25.0	24.2	97	72-133	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab File ID: 227981.D Lab Sample ID: MB 240-540508/8

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

Instrument ID: A3UX22 Date Analyzed: 08/29/2022 13:29

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-540508/5	227978.D	08/29/2022 12:18
	LCS 240-540508/6	227979.D	08/29/2022 12:41
MSA-SW37A-082222	240-171981-1	227982.D	08/29/2022 13:53
MSA-SW37B-082222	240-171981-2	227983.D	08/29/2022 14:17
MSA-SW37C-082222	240-171981-3	227984.D	08/29/2022 14:40
MSA-SW37D-082222	240-171981-4	227985.D	08/29/2022 15:04
MSA-SW38A-082222	240-171981-5	227986.D	08/29/2022 15:27
MSA-SW38B-082222	240-171981-6	227987.D	08/29/2022 15:51
MSA-SW38C-082222	240-171981-7	227988.D	08/29/2022 16:15
MSA-SW38D-082222	240-171981-8	227989.D	08/29/2022 16:38
MSA-SW40A-082222	240-171981-9	227990.D	08/29/2022 17:02
MSA-SW40B-082222	240-171981-10	227991.D	08/29/2022 17:26
MSA-SW40C-082222	240-171981-11	227992.D	08/29/2022 17:49
MSA-SW40D-082222	240-171981-12	227993.D	08/29/2022 18:13
MSA-SW41A-082222	240-171981-13	227994.D	08/29/2022 18:37
MSA-SW41B-082222	240-171981-14	227995.D	08/29/2022 19:01
MSA-SW41C-082222	240-171981-15	227996.D	08/29/2022 19:24
MSA-SW41D-082222	240-171981-16	227997.D	08/29/2022 19:48
MSA-SW42A-082222	240-171981-17	227998.D	08/29/2022 20:11
MSA-SW42B-082222	240-171981-18	227999.D	08/29/2022 20:35
MSA-SW42C-082222	240-171981-19	228000.D	08/29/2022 20:59

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab File ID: 228011.D Lab Sample ID: MB 240-540740/8

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

Instrument ID: A3UX22 Date Analyzed: 08/30/2022 16:09

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 240-540740/5	228008.D	08/30/2022 14:58
	LCS 240-540740/6	228009.D	08/30/2022 15:21
TB-082222	240-171981-25	228013.D	08/30/2022 16:57
MSA-SWEQB-082222	240-171981-30	228014.D	08/30/2022 17:20
MSA-SW42D-082222	240-171981-20	228015.D	08/30/2022 17:44
MSA-SW43A-082222	240-171981-21	228016.D	08/30/2022 18:08
MSA-SW43B-082222	240-171981-22	228017.D	08/30/2022 18:31
MSA-SW43C-082222	240-171981-23	228018.D	08/30/2022 18:55
MSA-SW43D-082222	240-171981-24	228019.D	08/30/2022 19:18
MSA-SW46A-082222	240-171981-26	228020.D	08/30/2022 19:42
MSA-SW47A-082222	240-171981-27	228021.D	08/30/2022 20:06
MSA-SW48A-082222	240-171981-28	228022.D	08/30/2022 20:29
MSA-SW49A-082222	240-171981-29	228023.D	08/30/2022 20:53

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

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab File ID: BFB22244.D BFB Injection Date: 04/07/2022

Instrument ID: A3UX22 BFB Injection Time: 15:03

Analysis Batch No.: 522080

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.5	
75	30.0 - 60.0 % of mass 95	47.2	
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	77.0	
175	5.0 - 9.0 % of mass 174	5.7	(7.4) 1
176	95.0 - 101.0 % of mass 174	74.6	(96.9) 1
177	5.0 - 9.0 % of mass 176	4.8	(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
	IC 240-522080/3	225035.D	04/07/2022	15:46
	IC 240-522080/4	225036.D	04/07/2022	16:09
	IC 240-522080/5	225037.D	04/07/2022	16:33
	IC 240-522080/6	225038.D	04/07/2022	16:56
	IC 240-522080/7	225039.D	04/07/2022	17:20
	ICIS 240-522080/8	225040.D	04/07/2022	17:44
	IC 240-522080/9	225041.D	04/07/2022	18:07
	IC 240-522080/10	225042.D	04/07/2022	18:31
	IC 240-522080/11	225043.D	04/07/2022	18:55
	IC 240-522080/18	225050.D	04/07/2022	21:40
	IC 240-522080/19	225051.D	04/07/2022	22:04
	IC 240-522080/20	225052.D	04/07/2022	22:28
	IC 240-522080/21	225053.D	04/07/2022	22:52
	IC 240-522080/22	225054.D	04/07/2022	23:15
	IC 240-522080/23	225055.D	04/07/2022	23:39
	IC 240-522080/24	225056.D	04/08/2022	0:02
	IC 240-522080/25	225057.D	04/08/2022	0:26
	IC 240-522080/26	225058.D	04/08/2022	0:50
	ICV 240-522080/28	225060.D	04/08/2022	1:37

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

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab File ID: BFB22256.D BFB Injection Date: 04/28/2022

Instrument ID: A3UX22 BFB Injection Time: 15:10

Analysis Batch No.: 524416

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.2	
75	30.0 - 60.0 % of mass 95	51.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	65.3	
175	5.0 - 9.0 % of mass 174	4.9	(7.4) 1
176	95.0 - 101.0 % of mass 174	62.5	(95.7) 1
177	5.0 - 9.0 % of mass 176	4.2	(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
	IC 240-524416/3	225395.D	04/28/2022	15:53
	IC 240-524416/4	225396.D	04/28/2022	16:16
	IC 240-524416/5	225397.D	04/28/2022	16:40
	IC 240-524416/6	225398.D	04/28/2022	17:04
	IC 240-524416/7	225399.D	04/28/2022	17:27
	ICIS 240-524416/8	225400.D	04/28/2022	17:51
	IC 240-524416/9	225401.D	04/28/2022	18:15
	IC 240-524416/10	225402.D	04/28/2022	18:39
	IC 240-524416/11	225403.D	04/28/2022	19:03
	ICV 240-524416/14	225406.D	04/28/2022	20:14

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

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab File ID: BFB22344.D BFB Injection Date: 08/29/2022

Instrument ID: A3UX22 BFB Injection Time: 10:47

Analysis Batch No.: 540508

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.0	
75	30.0 - 60.0 % of mass 95	48.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	Greater than 50% of mass 95	77.2	
175	5.0 - 9.0 % of mass 174	5.9	(7.7) 1
176	95.0 - 101.0 % of mass 174	74.6	(96.6) 1
177	5.0 - 9.0 % of mass 176	5.0	(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 240-540508/3	227976.D	08/29/2022	11:30
	CCV 240-540508/4	227977.D	08/29/2022	11:54
	LCS 240-540508/5	227978.D	08/29/2022	12:18
	LCS 240-540508/6	227979.D	08/29/2022	12:41
	MB 240-540508/8	227981.D	08/29/2022	13:29
MSA-SW37A-082222	240-171981-1	227982.D	08/29/2022	13:53
MSA-SW37B-082222	240-171981-2	227983.D	08/29/2022	14:17
MSA-SW37C-082222	240-171981-3	227984.D	08/29/2022	14:40
MSA-SW37D-082222	240-171981-4	227985.D	08/29/2022	15:04
MSA-SW38A-082222	240-171981-5	227986.D	08/29/2022	15:27
MSA-SW38B-082222	240-171981-6	227987.D	08/29/2022	15:51
MSA-SW38C-082222	240-171981-7	227988.D	08/29/2022	16:15
MSA-SW38D-082222	240-171981-8	227989.D	08/29/2022	16:38
MSA-SW40A-082222	240-171981-9	227990.D	08/29/2022	17:02
MSA-SW40B-082222	240-171981-10	227991.D	08/29/2022	17:26
MSA-SW40C-082222	240-171981-11	227992.D	08/29/2022	17:49
MSA-SW40D-082222	240-171981-12	227993.D	08/29/2022	18:13
MSA-SW41A-082222	240-171981-13	227994.D	08/29/2022	18:37
MSA-SW41B-082222	240-171981-14	227995.D	08/29/2022	19:01
MSA-SW41C-082222	240-171981-15	227996.D	08/29/2022	19:24
MSA-SW41D-082222	240-171981-16	227997.D	08/29/2022	19:48
MSA-SW42A-082222	240-171981-17	227998.D	08/29/2022	20:11
MSA-SW42B-082222	240-171981-18	227999.D	08/29/2022	20:35
MSA-SW42C-082222	240-171981-19	228000.D	08/29/2022	20:59

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

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab File ID: BFB22346.D BFB Injection Date: 08/30/2022

Instrument ID: A3UX22 BFB Injection Time: 13:27

Analysis Batch No.: 540740

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.1	
75	30.0 - 60.0 % of mass 95	47.2	
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	0.2	(0.2) 1
174	Greater than 50% of mass 95	82.1	
175	5.0 - 9.0 % of mass 174	6.0	(7.3) 1
176	95.0 - 101.0 % of mass 174	78.8	(96.0) 1
177	5.0 - 9.0 % of mass 176	5.0	(6.3) 2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-540740/3	228006.D	08/30/2022	14:10
	CCV 240-540740/4	228007.D	08/30/2022	14:34
	LCS 240-540740/5	228008.D	08/30/2022	14:58
	LCS 240-540740/6	228009.D	08/30/2022	15:21
	MB 240-540740/8	228011.D	08/30/2022	16:09
TB-082222	240-171981-25	228013.D	08/30/2022	16:57
MSA-SWEQB-082222	240-171981-30	228014.D	08/30/2022	17:20
MSA-SW42D-082222	240-171981-20	228015.D	08/30/2022	17:44
MSA-SW43A-082222	240-171981-21	228016.D	08/30/2022	18:08
MSA-SW43B-082222	240-171981-22	228017.D	08/30/2022	18:31
MSA-SW43C-082222	240-171981-23	228018.D	08/30/2022	18:55
MSA-SW43D-082222	240-171981-24	228019.D	08/30/2022	19:18
MSA-SW46A-082222	240-171981-26	228020.D	08/30/2022	19:42
MSA-SW47A-082222	240-171981-27	228021.D	08/30/2022	20:06
MSA-SW48A-082222	240-171981-28	228022.D	08/30/2022	20:29
MSA-SW49A-082222	240-171981-29	228023.D	08/30/2022	20:53

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

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Sample No.: ICIS 240-522080/8 Date Analyzed: 04/07/2022 17:44

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 225040.D Heated Purge: (Y/N) N

Calibration ID: 65265

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1111015	6.96	814036	10.17	432421	12.18
UPPER LIMIT		2222030	7.46	1628072	10.67	864842	12.68
LOWER LIMIT		555508	6.46	407018	9.67	216211	11.68
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-522080/28		1023963	6.96	750080	10.17	392850	12.18

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 Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Sample No.: ICIS 240-524416/8 Date Analyzed: 04/28/2022 17:51

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 225400.D Heated Purge: (Y/N) N

Calibration ID: 65475

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1311546	6.96	970370	10.17	502732	12.18
UPPER LIMIT		2623092	7.46	1940740	10.67	1005464	12.68
LOWER LIMIT		655773	6.46	485185	9.67	251366	11.68
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-524416/14		1358856	6.96	1012778	10.17	520201	12.18
CCVIS 240-540508/3		1109816	6.96	823078	10.17	434851	12.17
CCVIS 240-540740/3		691024	6.96	556964	10.17	287841	12.17

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 Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Sample No.: CCVIS 240-540508/3 Date Analyzed: 08/29/2022 11:30

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 227976.D Heated Purge: (Y/N) N

Calibration ID: 65475

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1109816	6.96	823078	10.17	434851	12.17
UPPER LIMIT		2219632	7.46	1646156	10.67	869702	12.67
LOWER LIMIT		554908	6.46	411539	9.67	217426	11.67
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-540508/4		1102555	6.96	834790	10.17	424799	12.17
LCS 240-540508/5		1131958	6.96	849189	10.17	437484	12.17
LCS 240-540508/6		1113684	6.96	838802	10.17	433403	12.17
MB 240-540508/8		1091309	6.96	749476	10.17	400055	12.17
240-171981-1	MSA-SW37A-082222	1076521	6.96	826366	10.17	425626	12.17
240-171981-2	MSA-SW37B-082222	1069482	6.96	817002	10.17	420039	12.17
240-171981-3	MSA-SW37C-082222	1052529	6.96	807561	10.17	423946	12.17
240-171981-4	MSA-SW37D-082222	1072179	6.96	815052	10.17	406007	12.17
240-171981-5	MSA-SW38A-082222	1043535	6.96	792197	10.17	408286	12.17
240-171981-6	MSA-SW38B-082222	1050723	6.96	808538	10.17	418502	12.17
240-171981-7	MSA-SW38C-082222	1051795	6.95	795543	10.17	416304	12.17
240-171981-8	MSA-SW38D-082222	1054783	6.96	818013	10.17	431009	12.17
240-171981-9	MSA-SW40A-082222	1031648	6.96	782921	10.17	409455	12.17
240-171981-10	MSA-SW40B-082222	1039614	6.96	801312	10.17	394707	12.17
240-171981-11	MSA-SW40C-082222	1047102	6.96	802763	10.17	407778	12.17
240-171981-12	MSA-SW40D-082222	1049982	6.96	796242	10.17	415744	12.17
240-171981-13	MSA-SW41A-082222	1055060	6.96	808128	10.17	426682	12.17
240-171981-14	MSA-SW41B-082222	1045814	6.96	797396	10.17	419524	12.17
240-171981-15	MSA-SW41C-082222	1053774	6.96	800491	10.17	425012	12.17
240-171981-16	MSA-SW41D-082222	1059525	6.96	804281	10.17	428012	12.17
240-171981-17	MSA-SW42A-082222	1032171	6.96	795217	10.17	395222	12.17
240-171981-18	MSA-SW42B-082222	1021261	6.96	778535	10.17	400380	12.17
240-171981-19	MSA-SW42C-082222	1033523	6.96	793404	10.17	417321	12.17

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 Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Sample No.: CCVIS 240-540740/3 Date Analyzed: 08/30/2022 14:10

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): 228006.D Heated Purge: (Y/N) N

Calibration ID: 65475

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		691024	6.96	556964	10.17	287841	12.17
UPPER LIMIT		1382048	7.46	1113928	10.67	575682	12.67
LOWER LIMIT		345512	6.46	278482	9.67	143921	11.67
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-540740/4		700105	6.96	537693	10.17	281020	12.17
LCS 240-540740/5		717755	6.95	538931	10.17	297318	12.17
LCS 240-540740/6		758674	6.96	576012	10.17	287673	12.17
MB 240-540740/8		670858	6.96	556544	10.17	274427	12.17
240-171981-25	TB-082222	733884	6.96	548489	10.17	280800	12.17
240-171981-30	MSA-SWEQB-082222	725060	6.96	548030	10.17	272574	12.17
240-171981-20	MSA-SW42D-082222	721141	6.95	561563	10.17	288675	12.17
240-171981-21	MSA-SW43A-082222	707179	6.96	544388	10.17	274851	12.17
240-171981-22	MSA-SW43B-082222	737860	6.96	559445	10.17	289208	12.17
240-171981-23	MSA-SW43C-082222	727046	6.95	553553	10.17	284155	12.17
240-171981-24	MSA-SW43D-082222	725838	6.95	559788	10.17	283659	12.17
240-171981-26	MSA-SW46A-082222	733468	6.96	568431	10.17	293142	12.17
240-171981-27	MSA-SW47A-082222	731473	6.96	562277	10.17	284944	12.17
240-171981-28	MSA-SW48A-082222	722685	6.96	553511	10.17	278879	12.17
240-171981-29	MSA-SW49A-082222	725792	6.96	559301	10.17	287992	12.17

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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37A-082222 | Lab Sample ID: 240-171981-1

Matrix: Water | Lab File ID: 227982.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:40

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 13:53

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37A-082222 | Lab Sample ID: 240-171981-1

Matrix: Water | Lab File ID: 227982.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:40

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 13:53

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37A-082222 | Lab Sample ID: 240-171981-1

Matrix: Water | Lab File ID: 227982.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:40

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 13:53

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		56-136
1868-53-7	Dibromofluoromethane (Surr)	106		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		62-137
2037-26-5	Toluene-d8 (Surr)	102		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37A-082222 | Lab Sample ID: 240-171981-1

Matrix: Water | Lab File ID: 227982.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:40

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 13:53

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37B-082222 | Lab Sample ID: 240-171981-2

Matrix: Water | Lab File ID: 227983.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:42

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 14:17

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37B-082222 | Lab Sample ID: 240-171981-2

Matrix: Water | Lab File ID: 227983.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:42

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 14:17

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37B-082222 | Lab Sample ID: 240-171981-2

Matrix: Water | Lab File ID: 227983.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:42

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 14:17

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	108		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		62-137
2037-26-5	Toluene-d8 (Surr)	104		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37B-082222 | Lab Sample ID: 240-171981-2

Matrix: Water | Lab File ID: 227983.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:42

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 14:17

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37C-082222 | Lab Sample ID: 240-171981-3

Matrix: Water | Lab File ID: 227984.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:44

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 14:40

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37C-082222 | Lab Sample ID: 240-171981-3

Matrix: Water | Lab File ID: 227984.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:44

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 14:40

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37C-082222 | Lab Sample ID: 240-171981-3

Matrix: Water | Lab File ID: 227984.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:44

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 14:40

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	108		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		62-137
2037-26-5	Toluene-d8 (Surr)	102		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37C-082222 | Lab Sample ID: 240-171981-3

Matrix: Water | Lab File ID: 227984.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:44

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 14:40

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37D-082222 | Lab Sample ID: 240-171981-4

Matrix: Water | Lab File ID: 227985.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:47

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 15:04

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37D-082222 | Lab Sample ID: 240-171981-4

Matrix: Water | Lab File ID: 227985.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:47

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 15:04

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37D-082222 | Lab Sample ID: 240-171981-4

Matrix: Water | Lab File ID: 227985.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:47

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 15:04

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	108		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		62-137
2037-26-5	Toluene-d8 (Surr)	103		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW37D-082222 | Lab Sample ID: 240-171981-4

Matrix: Water | Lab File ID: 227985.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:47

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 15:04

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW38A-082222 | Lab Sample ID: 240-171981-5

Matrix: Water | Lab File ID: 227986.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:53

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 15:27

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW38A-082222 | Lab Sample ID: 240-171981-5

Matrix: Water | Lab File ID: 227986.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:53

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 15:27

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW38A-082222 | Lab Sample ID: 240-171981-5

Matrix: Water | Lab File ID: 227986.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:53

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 15:27

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	108		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		62-137
2037-26-5	Toluene-d8 (Surr)	103		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW38A-082222 | Lab Sample ID: 240-171981-5

Matrix: Water | Lab File ID: 227986.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:53

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 15:27

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW38B-082222 | Lab Sample ID: 240-171981-6

Matrix: Water | Lab File ID: 227987.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:55

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 15:51

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW38B-082222 | Lab Sample ID: 240-171981-6

Matrix: Water | Lab File ID: 227987.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:55

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 15:51

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW38B-082222 | Lab Sample ID: 240-171981-6

Matrix: Water | Lab File ID: 227987.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:55

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 15:51

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	108		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		62-137
2037-26-5	Toluene-d8 (Surr)	102		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW38B-082222 | Lab Sample ID: 240-171981-6

Matrix: Water | Lab File ID: 227987.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:55

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 15:51

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW38C-082222 | Lab Sample ID: 240-171981-7

Matrix: Water | Lab File ID: 227988.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:58

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 16:15

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW38C-082222 | Lab Sample ID: 240-171981-7

Matrix: Water | Lab File ID: 227988.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:58

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 16:15

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW38C-082222 | Lab Sample ID: 240-171981-7

Matrix: Water | Lab File ID: 227988.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:58

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 16:15

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		56-136
1868-53-7	Dibromofluoromethane (Surr)	107		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		62-137
2037-26-5	Toluene-d8 (Surr)	102		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW38C-082222 | Lab Sample ID: 240-171981-7

Matrix: Water | Lab File ID: 227988.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:58

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 16:15

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW38D-082222 | Lab Sample ID: 240-171981-8

Matrix: Water | Lab File ID: 227989.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 16:38

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW38D-082222 | Lab Sample ID: 240-171981-8

Matrix: Water | Lab File ID: 227989.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 16:38

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW38D-082222 | Lab Sample ID: 240-171981-8

Matrix: Water | Lab File ID: 227989.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 16:38

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		56-136
1868-53-7	Dibromofluoromethane (Surr)	107		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		62-137
2037-26-5	Toluene-d8 (Surr)	100		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW38D-082222 | Lab Sample ID: 240-171981-8

Matrix: Water | Lab File ID: 227989.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 16:38

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW40A-082222 | Lab Sample ID: 240-171981-9

Matrix: Water | Lab File ID: 227990.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:11

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 17:02

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW40A-082222 | Lab Sample ID: 240-171981-9

Matrix: Water | Lab File ID: 227990.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:11

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 17:02

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW40A-082222 | Lab Sample ID: 240-171981-9

Matrix: Water | Lab File ID: 227990.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:11

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 17:02

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	95		56-136
1868-53-7	Dibromofluoromethane (Surr)	104		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		62-137
2037-26-5	Toluene-d8 (Surr)	101		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW40A-082222 | Lab Sample ID: 240-171981-9

Matrix: Water | Lab File ID: 227990.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:11

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 17:02

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW40B-082222 | Lab Sample ID: 240-171981-10

Matrix: Water | Lab File ID: 227991.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:14

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 17:26

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW40B-082222 | Lab Sample ID: 240-171981-10

Matrix: Water | Lab File ID: 227991.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:14

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 17:26

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW40B-082222 | Lab Sample ID: 240-171981-10

Matrix: Water | Lab File ID: 227991.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:14

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 17:26

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	107		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		62-137
2037-26-5	Toluene-d8 (Surr)	101		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW40B-082222 | Lab Sample ID: 240-171981-10

Matrix: Water | Lab File ID: 227991.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:14

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 17:26

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW40C-082222 | Lab Sample ID: 240-171981-11

Matrix: Water | Lab File ID: 227992.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:17

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 17:49

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW40C-082222 | Lab Sample ID: 240-171981-11

Matrix: Water | Lab File ID: 227992.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:17

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 17:49

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW40C-082222 | Lab Sample ID: 240-171981-11

Matrix: Water | Lab File ID: 227992.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:17

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 17:49

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	105		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		62-137
2037-26-5	Toluene-d8 (Surr)	99		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW40C-082222 | Lab Sample ID: 240-171981-11

Matrix: Water | Lab File ID: 227992.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:17

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 17:49

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW40D-082222 | Lab Sample ID: 240-171981-12

Matrix: Water | Lab File ID: 227993.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:20

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 18:13

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW40D-082222 | Lab Sample ID: 240-171981-12

Matrix: Water | Lab File ID: 227993.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:20

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 18:13

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW40D-082222 | Lab Sample ID: 240-171981-12

Matrix: Water | Lab File ID: 227993.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:20

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 18:13

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		56-136
1868-53-7	Dibromofluoromethane (Surr)	103		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		62-137
2037-26-5	Toluene-d8 (Surr)	100		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW40D-082222 | Lab Sample ID: 240-171981-12

Matrix: Water | Lab File ID: 227993.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:20

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 18:13

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW41A-082222 | Lab Sample ID: 240-171981-13

Matrix: Water | Lab File ID: 227994.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:34

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 18:37

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW41A-082222 | Lab Sample ID: 240-171981-13

Matrix: Water | Lab File ID: 227994.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:34

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 18:37

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW41A-082222 | Lab Sample ID: 240-171981-13

Matrix: Water | Lab File ID: 227994.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:34

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 18:37

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	105		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		62-137
2037-26-5	Toluene-d8 (Surr)	99		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW41A-082222 | Lab Sample ID: 240-171981-13

Matrix: Water | Lab File ID: 227994.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:34

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 18:37

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW41B-082222 | Lab Sample ID: 240-171981-14

Matrix: Water | Lab File ID: 227995.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:38

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 19:01

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW41B-082222 | Lab Sample ID: 240-171981-14

Matrix: Water | Lab File ID: 227995.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:38

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 19:01

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW41B-082222 | Lab Sample ID: 240-171981-14

Matrix: Water | Lab File ID: 227995.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:38

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 19:01

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	104		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		62-137
2037-26-5	Toluene-d8 (Surr)	98		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW41B-082222 | Lab Sample ID: 240-171981-14

Matrix: Water | Lab File ID: 227995.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:38

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 19:01

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW41C-082222 | Lab Sample ID: 240-171981-15

Matrix: Water | Lab File ID: 227996.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:40

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 19:24

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW41C-082222 | Lab Sample ID: 240-171981-15

Matrix: Water | Lab File ID: 227996.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:40

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 19:24

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW41C-082222 | Lab Sample ID: 240-171981-15

Matrix: Water | Lab File ID: 227996.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:40

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 19:24

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	95		56-136
1868-53-7	Dibromofluoromethane (Surr)	105		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		62-137
2037-26-5	Toluene-d8 (Surr)	99		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW41C-082222 | Lab Sample ID: 240-171981-15

Matrix: Water | Lab File ID: 227996.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:40

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 19:24

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW41D-082222 | Lab Sample ID: 240-171981-16

Matrix: Water | Lab File ID: 227997.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:43

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 19:48

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW41D-082222 | Lab Sample ID: 240-171981-16

Matrix: Water | Lab File ID: 227997.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:43

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 19:48

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW41D-082222 | Lab Sample ID: 240-171981-16

Matrix: Water | Lab File ID: 227997.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:43

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 19:48

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	102		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
TARGETED TENATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW41D-082222 | Lab Sample ID: 240-171981-16

Matrix: Water | Lab File ID: 227997.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:43

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 19:48

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42A-082222 | Lab Sample ID: 240-171981-17

Matrix: Water | Lab File ID: 227998.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:26

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 20:11

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42A-082222 | Lab Sample ID: 240-171981-17

Matrix: Water | Lab File ID: 227998.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:26

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 20:11

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42A-082222 | Lab Sample ID: 240-171981-17

Matrix: Water | Lab File ID: 227998.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:26

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 20:11

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	104		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		62-137
2037-26-5	Toluene-d8 (Surr)	97		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42A-082222 | Lab Sample ID: 240-171981-17

Matrix: Water | Lab File ID: 227998.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:26

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 20:11

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42B-082222 | Lab Sample ID: 240-171981-18

Matrix: Water | Lab File ID: 227999.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:28

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 20:35

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42B-082222 | Lab Sample ID: 240-171981-18

Matrix: Water | Lab File ID: 227999.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:28

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 20:35

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42B-082222 | Lab Sample ID: 240-171981-18

Matrix: Water | Lab File ID: 227999.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:28

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 20:35

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	104		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		62-137
2037-26-5	Toluene-d8 (Surr)	98		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42B-082222 | Lab Sample ID: 240-171981-18

Matrix: Water | Lab File ID: 227999.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:28

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 20:35

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42C-082222 | Lab Sample ID: 240-171981-19

Matrix: Water | Lab File ID: 228000.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:31

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 20:59

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42C-082222 | Lab Sample ID: 240-171981-19

Matrix: Water | Lab File ID: 228000.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:31

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 20:59

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42C-082222 | Lab Sample ID: 240-171981-19

Matrix: Water | Lab File ID: 228000.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:31

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 20:59

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	91		56-136
1868-53-7	Dibromofluoromethane (Surr)	103		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		62-137
2037-26-5	Toluene-d8 (Surr)	96		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42C-082222 | Lab Sample ID: 240-171981-19

Matrix: Water | Lab File ID: 228000.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:31

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 20:59

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42D-082222 | Lab Sample ID: 240-171981-20

Matrix: Water | Lab File ID: 228015.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:35

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 17:44

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42D-082222 | Lab Sample ID: 240-171981-20

Matrix: Water | Lab File ID: 228015.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:35

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 17:44

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42D-082222 | Lab Sample ID: 240-171981-20

Matrix: Water | Lab File ID: 228015.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:35

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 17:44

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	108		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		62-137
2037-26-5	Toluene-d8 (Surr)	101		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW42D-082222 | Lab Sample ID: 240-171981-20

Matrix: Water | Lab File ID: 228015.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:35

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 17:44

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW43A-082222 | Lab Sample ID: 240-171981-21

Matrix: Water | Lab File ID: 228016.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:12

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 18:08

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW43A-082222 | Lab Sample ID: 240-171981-21

Matrix: Water | Lab File ID: 228016.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:12

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 18:08

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW43A-082222 | Lab Sample ID: 240-171981-21

Matrix: Water | Lab File ID: 228016.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:12

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 18:08

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	108		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		62-137
2037-26-5	Toluene-d8 (Surr)	103		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW43A-082222 | Lab Sample ID: 240-171981-21

Matrix: Water | Lab File ID: 228016.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:12

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 18:08

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW43B-082222 | Lab Sample ID: 240-171981-22

Matrix: Water | Lab File ID: 228017.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:17

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 18:31

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW43B-082222 | Lab Sample ID: 240-171981-22

Matrix: Water | Lab File ID: 228017.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:17

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 18:31

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW43B-082222 | Lab Sample ID: 240-171981-22

Matrix: Water | Lab File ID: 228017.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:17

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 18:31

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		56-136
1868-53-7	Dibromofluoromethane (Surr)	106		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		62-137
2037-26-5	Toluene-d8 (Surr)	100		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW43B-082222 | Lab Sample ID: 240-171981-22

Matrix: Water | Lab File ID: 228017.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:17

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 18:31

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW43C-082222 | Lab Sample ID: 240-171981-23

Matrix: Water | Lab File ID: 228018.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:19

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 18:55

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW43C-082222 | Lab Sample ID: 240-171981-23

Matrix: Water | Lab File ID: 228018.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:19

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 18:55

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW43C-082222 | Lab Sample ID: 240-171981-23

Matrix: Water | Lab File ID: 228018.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:19

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 18:55

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		56-136
1868-53-7	Dibromofluoromethane (Surr)	108		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		62-137
2037-26-5	Toluene-d8 (Surr)	102		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW43C-082222 | Lab Sample ID: 240-171981-23

Matrix: Water | Lab File ID: 228018.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:19

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 18:55

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW43D-082222 | Lab Sample ID: 240-171981-24

Matrix: Water | Lab File ID: 228019.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:25

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 19:18

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW43D-082222 | Lab Sample ID: 240-171981-24

Matrix: Water | Lab File ID: 228019.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:25

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 19:18

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW43D-082222 | Lab Sample ID: 240-171981-24

Matrix: Water | Lab File ID: 228019.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:25

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 19:18

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		56-136
1868-53-7	Dibromofluoromethane (Surr)	107		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		62-137
2037-26-5	Toluene-d8 (Surr)	100		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW43D-082222 | Lab Sample ID: 240-171981-24

Matrix: Water | Lab File ID: 228019.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:25

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 19:18

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: TB-082222 | Lab Sample ID: 240-171981-25

Matrix: Water | Lab File ID: 228013.D

Analysis Method: 8260C | Date Collected: 08/22/2022 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 16:57

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: TB-082222 | Lab Sample ID: 240-171981-25

Matrix: Water | Lab File ID: 228013.D

Analysis Method: 8260C | Date Collected: 08/22/2022 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 16:57

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: TB-082222 | Lab Sample ID: 240-171981-25

Matrix: Water | Lab File ID: 228013.D

Analysis Method: 8260C | Date Collected: 08/22/2022 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 16:57

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		56-136
1868-53-7	Dibromofluoromethane (Surr)	106		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		62-137
2037-26-5	Toluene-d8 (Surr)	104		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: TB-082222 | Lab Sample ID: 240-171981-25

Matrix: Water | Lab File ID: 228013.D

Analysis Method: 8260C | Date Collected: 08/22/2022 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 16:57

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW46A-082222 | Lab Sample ID: 240-171981-26

Matrix: Water | Lab File ID: 228020.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:22

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 19:42

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW46A-082222 | Lab Sample ID: 240-171981-26

Matrix: Water | Lab File ID: 228020.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:22

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 19:42

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW46A-082222 | Lab Sample ID: 240-171981-26

Matrix: Water | Lab File ID: 228020.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:22

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 19:42

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	95		56-136
1868-53-7	Dibromofluoromethane (Surr)	106		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		62-137
2037-26-5	Toluene-d8 (Surr)	99		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW46A-082222 | Lab Sample ID: 240-171981-26

Matrix: Water | Lab File ID: 228020.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:22

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 19:42

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW47A-082222 | Lab Sample ID: 240-171981-27

Matrix: Water | Lab File ID: 228021.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:05

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 20:06

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW47A-082222 | Lab Sample ID: 240-171981-27

Matrix: Water | Lab File ID: 228021.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:05

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 20:06

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW47A-082222 | Lab Sample ID: 240-171981-27

Matrix: Water | Lab File ID: 228021.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:05

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 20:06

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		56-136
1868-53-7	Dibromofluoromethane (Surr)	107		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		62-137
2037-26-5	Toluene-d8 (Surr)	101		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW47A-082222 | Lab Sample ID: 240-171981-27

Matrix: Water | Lab File ID: 228021.D

Analysis Method: 8260C | Date Collected: 08/22/2022 12:05

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 20:06

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW48A-082222 | Lab Sample ID: 240-171981-28

Matrix: Water | Lab File ID: 228022.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:48

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 20:29

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW48A-082222 | Lab Sample ID: 240-171981-28

Matrix: Water | Lab File ID: 228022.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:48

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 20:29

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW48A-082222 | Lab Sample ID: 240-171981-28

Matrix: Water | Lab File ID: 228022.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:48

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 20:29

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	95		56-136
1868-53-7	Dibromofluoromethane (Surr)	107		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		62-137
2037-26-5	Toluene-d8 (Surr)	100		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW48A-082222 | Lab Sample ID: 240-171981-28

Matrix: Water | Lab File ID: 228022.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:48

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 20:29

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW49A-082222 | Lab Sample ID: 240-171981-29

Matrix: Water | Lab File ID: 228023.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:30

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 20:53

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW49A-082222 | Lab Sample ID: 240-171981-29

Matrix: Water | Lab File ID: 228023.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:30

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 20:53

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW49A-082222 | Lab Sample ID: 240-171981-29

Matrix: Water | Lab File ID: 228023.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:30

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 20:53

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	U	2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		56-136
1868-53-7	Dibromofluoromethane (Surr)	106		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		62-137
2037-26-5	Toluene-d8 (Surr)	99		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SW49A-082222 | Lab Sample ID: 240-171981-29

Matrix: Water | Lab File ID: 228023.D

Analysis Method: 8260C | Date Collected: 08/22/2022 11:30

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 20:53

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | 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 Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SWEQB-082222 | Lab Sample ID: 240-171981-30

Matrix: Water | Lab File ID: 228014.D

Analysis Method: 8260C | Date Collected: 08/22/2022 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 17:20

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SWEQB-082222 | Lab Sample ID: 240-171981-30

Matrix: Water | Lab File ID: 228014.D

Analysis Method: 8260C | Date Collected: 08/22/2022 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 17:20

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U *+	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SWEQB-082222 | Lab Sample ID: 240-171981-30

Matrix: Water | Lab File ID: 228014.D

Analysis Method: 8260C | Date Collected: 08/22/2022 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 17:20

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	108		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		62-137
2037-26-5	Toluene-d8 (Surr)	103		78-122

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

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: MSA-SWEQB-082222 | Lab Sample ID: 240-171981-30

Matrix: Water | Lab File ID: 228014.D

Analysis Method: 8260C | Date Collected: 08/22/2022 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 17:20

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

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

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Canton Job No.: 240-171981-1 Analy Batch No.: 522080

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2022 15:46 Calibration End Date: 04/07/2022 18:55 Calibration ID: 65265

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-522080/3	225035.D
Level 2	IC 240-522080/4	225036.D
Level 3	IC 240-522080/5	225037.D
Level 4	IC 240-522080/6	225038.D
Level 5	IC 240-522080/7	225039.D
Level 6	ICIS 240-522080/8	225040.D
Level 7	IC 240-522080/9	225041.D
Level 8	IC 240-522080/10	225042.D
Level 9	IC 240-522080/11	225043.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 9	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.2715 0.2581	0.2879 0.2652	0.3039 0.2560	0.2782 0.2650	0.2750	Ave		0.2734			0.1000	5.6		20.0			
Chloromethane	+++++ 0.2402	0.3508 0.2497	0.2691 0.2465	0.2618 0.2543	0.2552	Lin1	0.0864	0.2471			0.1000	4.1			0.9990		0.9900
Vinyl chloride	0.3778 0.2970	0.3822 0.3014	0.3430 0.2943	0.3267 0.2982	0.3216	Ave		0.3269			0.1000	10.5		20.0			
Butadiene	0.3641 0.2808	0.3639 0.2865	0.3664 0.2711	0.3166 0.2773	0.3002	Ave		0.3141				12.8		20.0			
Bromomethane	+++++ 0.1184	0.3322 0.1158	0.2235 0.1102	0.1475 0.1146	0.1392	Lin1	0.2447	0.1094			0.0500	11.0			0.9980		0.9900
Chloroethane	+++++ 0.1354	0.2797 0.1224	0.2380 0.1154	0.2107 0.1126	0.2029	Qua	0.3879	0.1360	-0.000510		0.0500	83.8			0.9900		0.9900
Trichlorofluoromethane	0.4264 0.3894	0.5081 0.3989	0.4473 0.3833	0.4303 0.3903	0.4337	Ave		0.4231			0.1000	9.3		20.0			
Dichlorofluoromethane	+++++ 0.4827	0.7893 0.4854	0.6088 0.4720	0.5581 0.4782	0.5204	Lin1	0.3518	0.4727				4.4			1.0000		0.9900
Ethyl ether	0.2361 0.1885	0.2342 0.1889	0.2171 0.1885	0.2068 0.1932	0.1971	Ave		0.2056				9.4		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2263 0.2261	0.2544 0.2219	0.2668 0.2192	0.2426 0.2302	0.2376	Ave		0.2361			0.0500	6.8		20.0			
Acrolein	0.0677 0.0536	0.0569 0.0561	0.0587 0.0550	0.0569 0.0560	0.0551	Ave		0.0573				7.2		20.0			
1,1-Dichloroethene	0.2758 0.2240	0.2730 0.2214	0.2549 0.2211	0.2415 0.2297	0.2344	Ave		0.2417			0.1000	8.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Canton | Job No.: 240-171981-1 | Analy Batch No.: 522080

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2022 15:46 | Calibration End Date: 04/07/2022 18:55 | Calibration ID: 65265

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 9	LVL 5		B	M1	M2								
Iodomethane	+++++ 0.0909	0.1202 0.1139	0.0894 0.1386	0.0761 0.1545	0.0806	Qua	0.0781	0.0504	0.0016662			9.2			0.9990		0.9900
Acetone	0.4976 0.1230	0.3189 0.1245	0.1914 0.1246	0.1422 0.1273	0.1321	Lin1	0.3722	0.1206			0.0100	5.5			0.9990		0.9900
Carbon disulfide	0.7791 0.6814	0.8179 0.6778	0.7835 0.6691	0.7387 0.6917	0.7208	Ave		0.7289			0.1000	7.4		20.0			
3-Chloro-1-propene	0.4014 0.3286	0.4232 0.3254	0.4069 0.3306	0.3593 0.3356	0.3456	Ave		0.3619				10.6		20.0			
Methyl acetate	0.2784 0.2474	0.2708 0.2543	0.2580 0.2576	0.2501 0.2654	0.2544	Ave		0.2596			0.1000	3.9		20.0			
Methylene Chloride	+++++ 0.2688	0.7211 0.2665	0.4895 0.2635	0.3577 0.2644	0.3076	Lin1	0.5155	0.2551			0.1000	9.9			0.9990		0.9900
2-Methyl-2-propanol	0.0688 0.0625	0.0669 0.0638	0.0626 0.0651	0.0638 0.0675	0.0633	Ave		0.0649				3.5		20.0			
Methyl tert-butyl ether	0.7472 0.7287	0.7258 0.7323	0.7338 0.7452	0.7442 0.7584	0.7382	Ave		0.7393			0.1000	1.4		20.0			
trans-1,2-Dichloroethene	0.3415 0.2511	0.3137 0.2476	0.2898 0.2470	0.2634 0.2529	0.2717	Ave		0.2754			0.1000	12.1		20.0			
Acrylonitrile	0.1558 0.1432	0.1563 0.1442	0.1468 0.1455	0.1505 0.1490	0.1486	Ave		0.1489				3.1		20.0			
Hexane	0.2854 0.3128	0.3130 0.3223	0.3104 0.3267	0.2960 0.3474	0.3016	Ave		0.3128				5.8		20.0			
1,1-Dichloroethane	0.5579 0.4405	0.5226 0.4398	0.4975 0.4421	0.4809 0.4501	0.4684	Ave		0.4778			0.2000	8.7		20.0			
Vinyl acetate	0.4749 0.4597	0.4596 0.5233	0.4593 0.4973	0.4647 0.4743	0.4527	Ave		0.4740				4.8		20.0			
2,2-Dichloropropane	+++++ 0.0842	0.1252 0.0794	0.0977 0.0789	0.0942 0.0797	0.0882	Lin1	0.0535	0.0793				6.1			0.9990		0.9900
cis-1,2-Dichloroethene	0.3909 0.2766	0.3434 0.2707	0.3083 0.2735	0.3087 0.2777	0.2946	Ave		0.3049			0.1000	13.1		20.0			
2-Butanone (MEK)	0.0548 0.0520	0.0527 0.0521	0.0512 0.0536	0.0513 0.0548	0.0525	Ave		0.0528			0.0100	2.5		20.0			
Chlorobromomethane	0.2371 0.1880	0.2237 0.1783	0.2236 0.1746	0.2108 0.1771	0.2032	Ave		0.2018				11.6		20.0			
Tetrahydrofuran	0.1376 0.1179	0.1443 0.1205	0.1264 0.1218	0.1236 0.1255	0.1218	Ave		0.1266				6.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Canton Job No.: 240-171981-1 Analy Batch No.: 522080

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2022 15:46 Calibration End Date: 04/07/2022 18:55 Calibration ID: 65265

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 9	LVL 5		B	M1	M2								
Chloroform	0.5039 0.4476	0.5300 0.4398	0.5175 0.4434	0.4954 0.4515	0.4833	Ave		0.4792			0.2000	7.2		20.0			
Cyclohexane	0.4862 0.3896	0.4486 0.3878	0.4294 0.3829	0.4240 0.4013	0.4090	Ave		0.4176			0.1000	8.1		20.0			
1,1,1-Trichloroethane	0.4256 0.4055	0.4507 0.3994	0.4755 0.3990	0.4445 0.4082	0.4266	Ave		0.4261			0.1000	6.2		20.0			
Carbon tetrachloride	0.3582 0.3325	0.3759 0.3283	0.3724 0.3251	0.3609 0.3364	0.3513	Ave		0.3490			0.1000	5.5		20.0			
1,1-Dichloropropene	0.3140 0.3527	0.3553 0.3482	0.3461 0.3522	0.3509 0.3604	0.3535	Ave		0.3481				3.9		20.0			
Benzene	1.1290 1.0085	1.0511 1.0062	1.0602 1.0137	1.0405 1.0396	1.0459	Ave		1.0439			0.5000	3.6		20.0			
Isobutyl alcohol	0.0167 0.0154	0.0131 0.0159	0.0137 0.0166	0.0147 0.0170	0.0149	Ave		0.0153				8.8		20.0			
1,2-Dichloroethane	0.3730 0.3288	0.3621 0.3243	0.3642 0.3255	0.3498 0.3315	0.3476	Ave		0.3452			0.1000	5.3		20.0			
n-Heptane	0.0618 0.0679	0.0774 0.0708	0.0712 0.0697	0.0724 0.0730	0.0680	Ave		0.0702				6.1		20.0			
Trichloroethene	0.2373 0.2612	0.2520 0.2569	0.2609 0.2610	0.2634 0.2690	0.2696	Ave		0.2590			0.1500	3.8		20.0			
Methylcyclohexane	0.3910 0.4273	0.4143 0.4287	0.4390 0.4289	0.4505 0.4502	0.4337	Ave		0.4293			0.1000	4.3		20.0			
1,2-Dichloropropane	0.2888 0.2455	0.2582 0.2441	0.2617 0.2477	0.2555 0.2522	0.2554	Ave		0.2566			0.1000	5.2		20.0			
Dibromomethane	0.1842 0.1557	0.1727 0.1545	0.1858 0.1554	0.1747 0.1578	0.1680	Ave		0.1676				7.4		20.0			
1,4-Dioxane	0.0079 0.0067	0.0072 0.0067	0.0071 0.0068	0.0071 0.0070	0.0067	Ave		0.0070				5.4		20.0			
Dichlorobromomethane	0.4519 0.3390	0.4011 0.3353	0.3778 0.3386	0.3650 0.3454	0.3642	Ave		0.3687			0.1500	10.3		20.0			
2-Chloroethyl vinyl ether	0.1957 0.1830	0.1902 0.1883	0.1746 0.1926	0.1822 0.1973	0.1811	Ave		0.1872				4.0		20.0			
cis-1,3-Dichloropropene	0.4250 0.4180	0.4220 0.4126	0.4151 0.4219	0.4239 0.4228	0.4222	Ave		0.4204			0.1500	1.0		20.0			
4-Methyl-2-pentanone (MIBK)	0.3149 0.3151	0.3140 0.3198	0.3145 0.3269	0.3212 0.3321	0.3220	Ave		0.3201			0.0500	2.0		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 Canton Job No.: 240-171981-1 Analy Batch No.: 522080

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2022 15:46 Calibration End Date: 04/07/2022 18:55 Calibration ID: 65265

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 9	LVL 5		B	M1	M2								
Toluene	1.7095 1.4657	1.6082 1.4376	1.4974 1.4538	1.5128 1.4890	1.4827	Ave		1.5174			0.4000	5.7		20.0			
trans-1,3-Dichloropropene	0.4777 0.5156	0.4834 0.5261	0.4781 0.5318	0.5022 0.5491	0.5067	Ave		0.5079			0.1000	5.0		20.0			
Ethyl methacrylate	0.5298 0.4925	0.4825 0.4902	0.4883 0.4931	0.4950 0.5075	0.5021	Ave		0.4979				2.8		20.0			
1,1,2-Trichloroethane	0.2977 0.3105	0.2932 0.3120	0.2888 0.3142	0.3070 0.3267	0.3082	Ave		0.3065			0.1000	3.8		20.0			
Tetrachloroethene	0.2967 0.3373	0.3210 0.3290	0.3305 0.3278	0.3291 0.3391	0.3280	Ave		0.3265			0.1500	3.8		20.0			
1,3-Dichloropropane	0.5182 0.5373	0.5135 0.5425	0.5162 0.5527	0.5262 0.5697	0.5329	Ave		0.5344				3.5		20.0			
2-Hexanone	0.3549 0.3437	0.3183 0.3434	0.3234 0.3439	0.3380 0.3566	0.3429	Ave		0.3406			0.0500	3.7		20.0			
Chlorodibromomethane	0.3527 0.3314	0.3368 0.3318	0.3326 0.3362	0.3284 0.3484	0.3305	Ave		0.3365				2.5		20.0			
Ethylene Dibromide	0.3026 0.3415	0.3548 0.3370	0.3372 0.3420	0.3290 0.3524	0.3326	Ave		0.3366				4.5		20.0			
Chlorobenzene	0.9446 0.8990	0.9306 0.8893	0.9278 0.8917	0.9263 0.9114	0.9090	Ave		0.9144			0.3000	2.1		20.0			
Ethylbenzene	0.5104 0.5140	0.5434 0.5038	0.5252 0.5062	0.5200 0.5171	0.5201	Ave		0.5178				2.3		20.0			
1,1,1,2-Tetrachloroethane	0.2913 0.3244	0.2981 0.3159	0.3117 0.3265	0.3185 0.3350	0.3212	Ave		0.3159				4.4		20.0			
m-Xylene & p-Xylene	0.6400 0.6452	0.6586 0.6270	0.6788 0.6252	0.6543 0.6357	0.6579	Ave		0.6470				2.7		20.0			
o-Xylene	0.6409 0.6152	0.6471 0.6093	0.6321 0.6058	0.6312 0.6193	0.6399	Ave		0.6267				2.4		20.0			
Styrene	1.0984 1.0649	1.0483 1.0505	1.0691 1.0437	1.0765 1.0708	1.0734	Ave		1.0662			0.3000	1.6		20.0			
Bromoform	0.2359 0.2429	0.2206 0.2400	0.2330 0.2424	0.2356 0.2539	0.2364	Ave		0.2378			0.1000	3.8		20.0			
Isopropylbenzene	1.5693 1.6512	1.6810 1.6095	1.6859 1.6094	1.6862 1.6275	1.6710	Ave		1.6434			0.1000	2.5		20.0			
Bromobenzene	0.7372 0.6934	0.6748 0.6835	0.6846 0.6885	0.7033 0.7060	0.6863	Ave		0.6953				2.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Canton | Job No.: 240-171981-1 | Analy Batch No.: 522080

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2022 15:46 | Calibration End Date: 04/07/2022 18:55 | Calibration ID: 65265

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 9	LVL 5		B	M1	M2								
1,1,2,2-Tetrachloroethane	1.0151 0.9393	0.9681 0.9721	0.9377 0.9795	0.9497 1.0092	0.9477	Ave		0.9687			0.3000	3.0		20.0			
N-Propylbenzene	0.8335 0.8512	0.8560 0.8344	0.8584 0.8459	0.8321 0.8738	0.8461	Ave		0.8479				1.6		20.0			
1,2,3-Trichloropropane	0.3025 0.3065	0.2861 0.3081	0.3034 0.3148	0.3110 0.3289	0.3123	Ave		0.3082				3.7		20.0			
trans-1,4-Dichloro-2-butene	0.3788 0.3059	0.3239 0.3088	0.2988 0.3196	0.3111 0.3332	0.3071	Ave		0.3208				7.5		20.0			
2-Chlorotoluene	0.7024 0.7091	0.7485 0.7047	0.7127 0.7058	0.7264 0.7367	0.7166	Ave		0.7181				2.2		20.0			
1,3,5-Trimethylbenzene	2.3876 2.6457	2.6368 2.6331	2.6491 2.6221	2.6626 2.7287	2.6068	Ave		2.6192				3.6		20.0			
4-Chlorotoluene	0.6716 0.7319	0.7210 0.7185	0.7322 0.7208	0.7378 0.7462	0.7311	Ave		0.7235				3.0		20.0			
tert-Butylbenzene	2.1667 2.2349	2.1970 2.1754	2.2702 2.2048	2.2345 2.2795	2.2343	Ave		2.2219				1.8		20.0			
1,2,4-Trimethylbenzene	2.6660 2.7066	2.6219 2.6450	2.6900 2.6800	2.7004 2.7545	2.6793	Ave		2.6826				1.4		20.0			
sec-Butylbenzene	3.1672 3.3309	3.1923 3.2997	3.3417 3.3426	3.3389 3.4455	3.3581	Ave		3.3130				2.6		20.0			
1,3-Dichlorobenzene	1.2509 1.3517	1.3586 1.3586	1.3998 1.3693	1.3708 1.4068	1.3823	Ave		1.3610			0.6000	3.3		20.0			
4-Isopropyltoluene	2.6660 2.8461	2.7519 2.8392	2.8242 2.8569	2.8532 2.9458	2.8383	Ave		2.8246				2.7		20.0			
1,4-Dichlorobenzene	1.3632 1.3552	1.3507 1.3639	1.3787 1.3847	1.3561 1.4120	1.3820	Ave		1.3718			0.5000	1.4		20.0			
n-Butylbenzene	2.1616 2.6468	2.4748 2.6647	2.4989 2.6774	2.6003 2.7914	2.6146	Ave		2.5700				7.0		20.0			
1,2-Dichlorobenzene	1.2938 1.2930	1.2990 1.2935	1.3348 1.2936	1.2870 1.3468	1.3209	Ave		1.3069			0.4000	1.7		20.0			
1,2-Dibromo-3-Chloropropane	0.3164 0.2969	0.3134 0.2966	0.3202 0.3022	0.3016 0.3107	0.3000	Ave		0.3065			0.0500	2.9		20.0			
1,2,4-Trichlorobenzene	0.7857 0.8392	0.8054 0.8501	0.8288 0.8627	0.8383 0.8973	0.8301	Ave		0.8375			0.2000	3.8		20.0			
Hexachlorobutadiene	0.2771 0.3407	0.3345 0.3428	0.3167 0.3415	0.3244 0.3626	0.3293	Ave		0.3300				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 Canton Job No.: 240-171981-1 Analy Batch No.: 522080

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2022 15:46 Calibration End Date: 04/07/2022 18:55 Calibration ID: 65265

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 9	LVL 5		B	M1	M2								
Naphthalene	2.9834 2.9655	2.9528 2.9639	2.9508 3.0323	2.9933 3.1473	3.0223	Ave		3.0013				2.1		20.0			
1,2,3-Trichlorobenzene	0.7503 0.7955	0.7582 0.8224	0.8193 0.8277	0.7942 0.8568	0.8143	Ave		0.8043				4.2		20.0			
Dibromofluoromethane (Surr)	+++++ 0.2729	0.2976 0.2755	0.2788 0.2759	0.2226 0.2724	0.2738	Ave		0.2712				7.9		20.0			
1,2-Dichloroethane-d4 (Surr)	+++++ 0.2918	0.3595 0.2931	0.3175 0.2927	0.2442 0.2903	0.2895	Ave		0.2973				10.8		20.0			
Toluene-d8 (Surr)	1.4238 1.3862	1.3174 1.4210	1.1990 1.4287	1.0632 1.4189	1.3166	Ave		1.3305				9.5		20.0			
4-Bromofluorobenzene (Surr)	+++++ 0.5202	0.5370 0.5382	0.4601 0.5389	0.4140 0.5329	0.4977	Ave		0.5049				9.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Canton Job No.: 240-171981-1 Analy Batch No.: 522080

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2022 15:46 Calibration End Date: 04/07/2022 18:55 Calibration ID: 65265

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-522080/3	225035.D
Level 2	IC 240-522080/4	225036.D
Level 3	IC 240-522080/5	225037.D
Level 4	IC 240-522080/6	225038.D
Level 5	IC 240-522080/7	225039.D
Level 6	ICIS 240-522080/8	225040.D
Level 7	IC 240-522080/9	225041.D
Level 8	IC 240-522080/10	225042.D
Level 9	IC 240-522080/11	225043.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 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Dichlorodifluoromethane	FB	Ave	4343 248034	9370 381358	25276 492765	59863 642501	120973	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Chloromethane	FB	Lin1	+++++ 230845	11420 359037	22378 474566	56329 616519	112277	+++++ 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Vinyl chloride	FB	Ave	6044 285490	12441 433351	28527 566594	70297 722915	141468	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Butadiene	FB	Ave	5824 269901	11846 411957	30470 521992	68113 672429	132060	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Bromomethane	FB	Lin1	+++++ 113824	10812 166522	18584 212172	31741 277839	61241	+++++ 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Chloroethane	FB	Qua	+++++ 130106	9105 175983	19795 222215	45345 272897	89274	+++++ 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Trichlorofluoromethane	FB	Ave	6820 374287	16539 573527	37201 737940	92581 946406	190772	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Dichlorofluoromethane	FB	Lin1	+++++ 463920	25694 697877	50633 908587	120073 1159470	228912	+++++ 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Ethyl ether	FB	Ave	3777 181211	7625 271596	18056 362874	44491 468320	86697	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	3620 217258	8280 319029	22190 422002	52203 558236	104499	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Acrolein	FB	Ave	5416 257498	9269 403422	24413 529387	61201 679199	121279	2.50 125	5.00 188	12.5 250	31.3 313	62.5
1,1-Dichloroethene	FB	Ave	4411 215239	8888 318336	21198 425666	51954 556932	103096	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Canton Job No.: 240-171981-1 Analy Batch No.: 522080

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2022 15:46 Calibration End Date: 04/07/2022 18:55 Calibration ID: 65265

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Iodomethane	FB	Qua	+++++ 87326	3914 163718	7431 266877	16372 374567	35457	+++++ 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Acetone	FB	Lin1	15919 236335	20760 357914	31830 479666	61178 617494	116248	1.00 50.0	2.00 75.0	5.00 100	12.5 125	25.0
Carbon disulfide	FB	Ave	12462 654896	26624 974491	65163 1288020	158940 1677168	317085	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
3-Chloro-1-propene	FB	Ave	6421 315814	13777 467883	33844 636536	77312 813674	152030	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Methyl acetate	FB	Ave	8908 475508	17628 731354	42922 991987	107616 1286990	223785	1.00 50.0	2.00 75.0	5.00 100	12.5 125	25.0
Methylene Chloride	FB	Lin1	+++++ 258337	23474 383201	40711 507288	76960 641148	135301	+++++ 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
2-Methyl-2-propanol	FB	Ave	11011 600263	21780 917913	52045 1253907	137309 1635944	278528	5.00 250	10.0 375	25.0 500	62.5 625	125
Methyl tert-butyl ether	FB	Ave	11952 700358	23627 1052838	61031 1434583	160117 1838853	324730	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
trans-1,2-Dichloroethene	FB	Ave	5463 241347	10211 356027	24099 475497	56683 613152	119526	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Acrylonitrile	FB	Ave	24918 1376712	50865 2073942	122104 2800155	323809 3612149	653601	5.00 250	10.0 375	25.0 500	62.5 625	125
Hexane	FB	Ave	4565 300671	10188 463423	25813 628963	63681 842269	132671	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,1-Dichloroethane	FB	Ave	8924 423366	17011 632291	41377 851100	103467 1091341	206040	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Vinyl acetate	FB	Ave	7596 441827	14960 752420	38198 957402	99991 1149854	199124	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
2,2-Dichloropropane	FB	Lin1	+++++ 80915	4077 114088	8129 151913	20261 193138	38809	+++++ 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
cis-1,2-Dichloroethene	FB	Ave	6253 265825	11178 389149	25640 526538	66426 673322	129600	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
2-Butanone (MEK)	FB	Ave	1752 100032	3433 149747	8517 206507	22065 265513	46148	1.00 50.0	2.00 75.0	5.00 100	12.5 125	25.0
Chlorobromomethane	FB	Ave	3793 180719	7283 256414	18595 336092	45362 429318	89372	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Tetrahydrofuran	FB	Ave	4401 226598	9397 346402	21026 469138	53189 608684	107176	1.00 50.0	2.00 75.0	5.00 100	12.5 125	25.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Canton Job No.: 240-171981-1 Analy Batch No.: 522080

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2022 15:46 Calibration End Date: 04/07/2022 18:55 Calibration ID: 65265

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Chloroform	FB	Ave	8061 430181	17252 632295	43037 853569	106592 1094645	212604	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Cyclohexane	FB	Ave	7777 374469	14603 557503	35709 737137	91238 972923	179926	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,1,1-Trichloroethane	FB	Ave	6808 389680	14670 574184	39547 768070	95633 989745	187681	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Carbon tetrachloride	FB	Ave	5729 319586	12237 472037	30974 625908	77654 815608	154541	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,1-Dichloropropene	FB	Ave	5022 339004	11565 500627	28780 677966	75502 873889	155483	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Benzene	FB	Ave	18060 969292	34216 1446716	88173 1951495	223875 2520668	460105	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Isobutyl alcohol	FB	Ave	6683 369581	10684 571488	28445 796836	79048 1030772	164209	12.5 625	25.0 938	62.5 1250	156 1563	313
1,2-Dichloroethane	FB	Ave	5966 316031	11787 466296	30291 626655	75260 803843	152916	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
n-Heptane	FB	Ave	988 65296	2521 101852	5918 134141	15577 176897	29926	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Trichloroethene	FB	Ave	3796 251067	8203 369355	21697 502425	56682 652291	118589	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Methylcyclohexane	FB	Ave	6254 410691	13485 616402	36511 825602	96937 1091473	190771	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,2-Dichloropropane	FB	Ave	4620 235964	8404 350995	21764 476804	54966 611537	112333	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Dibromomethane	FB	Ave	2946 149637	5622 222063	15452 299204	37589 382649	73884	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,4-Dioxane	FB	Ave	2538 129325	4674 193633	11728 262222	30519 338279	59297	10.0 500	20.0 750	50.0 1000	125 1250	250
Dichlorobromomethane	FB	Ave	7228 325838	13056 482060	31418 651930	78531 837352	160197	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
2-Chloroethyl vinyl ether	FB	Ave	6260 351769	12382 541355	29050 741746	78387 956533	159298	1.00 50.0	2.00 75.0	5.00 100	12.5 125	25.0
cis-1,3-Dichloropropene	FB	Ave	6799 401702	13738 593277	34524 812248	91201 1024996	185736	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
4-Methyl-2-pentanone (MIBK)	FB	Ave	10073 605633	20441 919701	52312 1258473	138241 1610526	283334	1.00 50.0	2.00 75.0	5.00 100	12.5 125	25.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Canton Job No.: 240-171981-1 Analy Batch No.: 522080

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2022 15:46 Calibration End Date: 04/07/2022 18:55 Calibration ID: 65265

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Toluene	CBNZ d5	Ave	22050	41949	99961	252879	500906	0.500	1.00	2.50	6.25	12.5
			1032117	1514016	2045914	2607669		25.0	37.5	50.0	62.5	
trans-1,3-Dichloropropene	CBNZ d5	Ave	6161	12610	31915	83952	171168	0.500	1.00	2.50	6.25	12.5
			363099	554032	748366	961678		25.0	37.5	50.0	62.5	
Ethyl methacrylate	CBNZ d5	Ave	6834	12585	32597	82749	169613	0.500	1.00	2.50	6.25	12.5
			346830	516282	693984	888871		25.0	37.5	50.0	62.5	
1,1,2-Trichloroethane	CBNZ d5	Ave	3840	7647	19281	51317	104122	0.500	1.00	2.50	6.25	12.5
			218637	328575	442109	572234		25.0	37.5	50.0	62.5	
Tetrachloroethene	CBNZ d5	Ave	3827	8372	22066	55008	110817	0.500	1.00	2.50	6.25	12.5
			237505	346518	461246	593867		25.0	37.5	50.0	62.5	
1,3-Dichloropropane	CBNZ d5	Ave	6684	13393	34462	87952	180028	0.500	1.00	2.50	6.25	12.5
			378356	571339	777827	997701		25.0	37.5	50.0	62.5	
2-Hexanone	CBNZ d5	Ave	9155	16603	43180	112989	231668	1.00	2.00	5.00	12.5	25.0
			484099	723277	967895	1249086		50.0	75.0	100	125	
Chlorodibromomethane	CBNZ d5	Ave	4549	8786	22200	54895	111649	0.500	1.00	2.50	6.25	12.5
			233345	349455	473162	610219		25.0	37.5	50.0	62.5	
Ethylene Dibromide	CBNZ d5	Ave	3903	9254	22513	54999	112374	0.500	1.00	2.50	6.25	12.5
			240501	354889	481228	617216		25.0	37.5	50.0	62.5	
Chlorobenzene	CBNZ d5	Ave	12184	24273	61939	154840	307082	0.500	1.00	2.50	6.25	12.5
			633089	936592	1254836	1596147		25.0	37.5	50.0	62.5	
Ethylbenzene	CBNZ d5	Ave	6584	14175	35060	86923	175691	0.500	1.00	2.50	6.25	12.5
			361982	530614	712358	905569		25.0	37.5	50.0	62.5	
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	3757	7776	20810	53239	108521	0.500	1.00	2.50	6.25	12.5
			228427	332699	459529	586642		25.0	37.5	50.0	62.5	

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Canton Job No.: 240-171981-1 Analy Batch No.: 522080

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2022 15:46 Calibration End Date: 04/07/2022 18:55 Calibration ID: 65265

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
m-Xylene & p-Xylene	CBNZ d5	Ave	8255 454356	17179 660386	45317 879859	109374 1113308	222247	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
o-Xylene	CBNZ d5	Ave	8267 433217	16878 641682	42199 852509	105505 1084559	216157	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Styrene	CBNZ d5	Ave	14168 749897	27343 1106317	71371 1468841	179940 1875300	362606	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Bromoform	CBNZ d5	Ave	3043 171040	5753 252805	15552 341067	39374 444595	79848	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Isopropylbenzene	CBNZ d5	Ave	20242 1162760	43848 1695067	112542 2264840	281862 2850261	564497	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Bromobenzene	DCBd 4	Ave	5174 259382	9607 378136	24541 503955	63417 636486	123913	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	7125 351378	13782 537774	33616 716913	85634 909885	171114	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
N-Propylbenzene	DCBd 4	Ave	5850 318418	12187 461618	30775 619182	75031 787794	152768	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,2,3-Trichloropropane	DCBd 4	Ave	2123 114655	4073 170463	10876 230385	28044 296524	56392	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	2659 114422	4611 170830	10711 233944	28053 300436	55451	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
2-Chlorotoluene	DCBd 4	Ave	4930 265237	10656 389875	25550 516606	65501 664153	129383	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,3,5-Trimethylbenzene	DCBd 4	Ave	16758 989681	37540 1456680	94971 1919229	240075 2460074	470695	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Canton Job No.: 240-171981-1 Analy Batch No.: 522080

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2022 15:46 Calibration End Date: 04/07/2022 18:55 Calibration ID: 65265

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
4-Chlorotoluene	DCBd 4	Ave	4714 273765	10265 397510	26249 527560	66526 672715	132010	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
tert-Butylbenzene	DCBd 4	Ave	15208 836003	31278 1203460	81387 1613764	201481 2055129	403437	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,2,4-Trimethylbenzene	DCBd 4	Ave	18712 1012465	37328 1463284	96437 1961593	243488 2483333	483780	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
sec-Butylbenzene	DCBd 4	Ave	22230 1245969	45449 1825503	119800 2446619	301057 3106304	606346	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,3-Dichlorobenzene	DCBd 4	Ave	8780 505609	19342 751628	50184 1002284	123600 1268349	249586	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
4-Isopropyltoluene	DCBd 4	Ave	18712 1064644	39179 1570734	101246 2091115	257259 2655855	512493	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,4-Dichlorobenzene	DCBd 4	Ave	9568 506952	19230 754547	49426 1013492	122279 1272987	249533	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
n-Butylbenzene	DCBd 4	Ave	15172 990074	35233 1474165	89585 1959705	234463 2516576	472090	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,2-Dichlorobenzene	DCBd 4	Ave	9081 483678	18494 715607	47851 946852	116047 1214183	238498	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	2221 111060	4462 164082	11479 221189	27198 280146	54171	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,2,4-Trichlorobenzene	DCBd 4	Ave	5515 313917	11466 470303	29711 631441	75583 808997	149884	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Hexachlorobutadiene	DCBd 4	Ave	1945 127441	4762 189622	11355 249940	29250 326909	59459	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Canton Job No.: 240-171981-1 Analy Batch No.: 522080

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2022 15:46 Calibration End Date: 04/07/2022 18:55 Calibration ID: 65265

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Naphthalene	DCBd 4	Ave	20940 1109290	42039 1639686	105784 2219512	269897 2837518	545713	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,2,3-Trichlorobenzene	DCBd 4	Ave	5266 297567	10794 454956	29371 605811	71608 772447	147028	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Dibromofluoromethane (Surr)	FB	Ave	+++++ 303249	9688 488384	23189 613966	44286 794087	107131	+++++ 28.9	1.00 46.2	2.50 57.8	5.78 75.1	11.1
1,2-Dichloroethane-d4 (Surr)	FB	Ave	+++++ 324164	11701 519626	26406 651425	48591 846304	113286	+++++ 28.9	1.00 46.2	2.50 57.8	5.78 75.1	11.1
Toluene-d8 (Surr)	CBNZ d5	Ave	18365 1128409	34362 1845317	80041 2324281	164365 2987507	395679	0.500 28.9	1.00 46.2	2.50 57.8	5.78 75.1	11.1
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	+++++ 423427	14006 698968	30716 876656	64004 1122028	149563	+++++ 28.9	1.00 46.2	2.50 57.8	5.78 75.1	11.1

Curve Type Legend
Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Canton | Job No.: 240-171981-1 | Analy Batch No.: 522080

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2022 15:46 | Calibration End Date: 04/07/2022 18:55 | Calibration ID: 65265

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-522080/3	225035.D
Level 2	IC 240-522080/4	225036.D
Level 3	IC 240-522080/5	225037.D
Level 4	IC 240-522080/6	225038.D
Level 5	IC 240-522080/7	225039.D
Level 6	ICIS 240-522080/8	225040.D
Level 7	IC 240-522080/9	225041.D
Level 8	IC 240-522080/10	225042.D
Level 9	IC 240-522080/11	225043.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4	LVL 5	LVL 6
Chloromethane	+++++	7.0						50				
Bromomethane	+++++	-20.1						50				
Chloroethane	+++++	-179.3 *						50				
Dichlorofluoromethane	+++++	-7.4						50				
Iodomethane	+++++	-18.6						50				
Acetone	4.0						50					
Methylene Chloride	+++++	-19.4						50				
2,2-Dichloropropane	+++++	-9.5						50				

Calibration / Dichlorodifluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

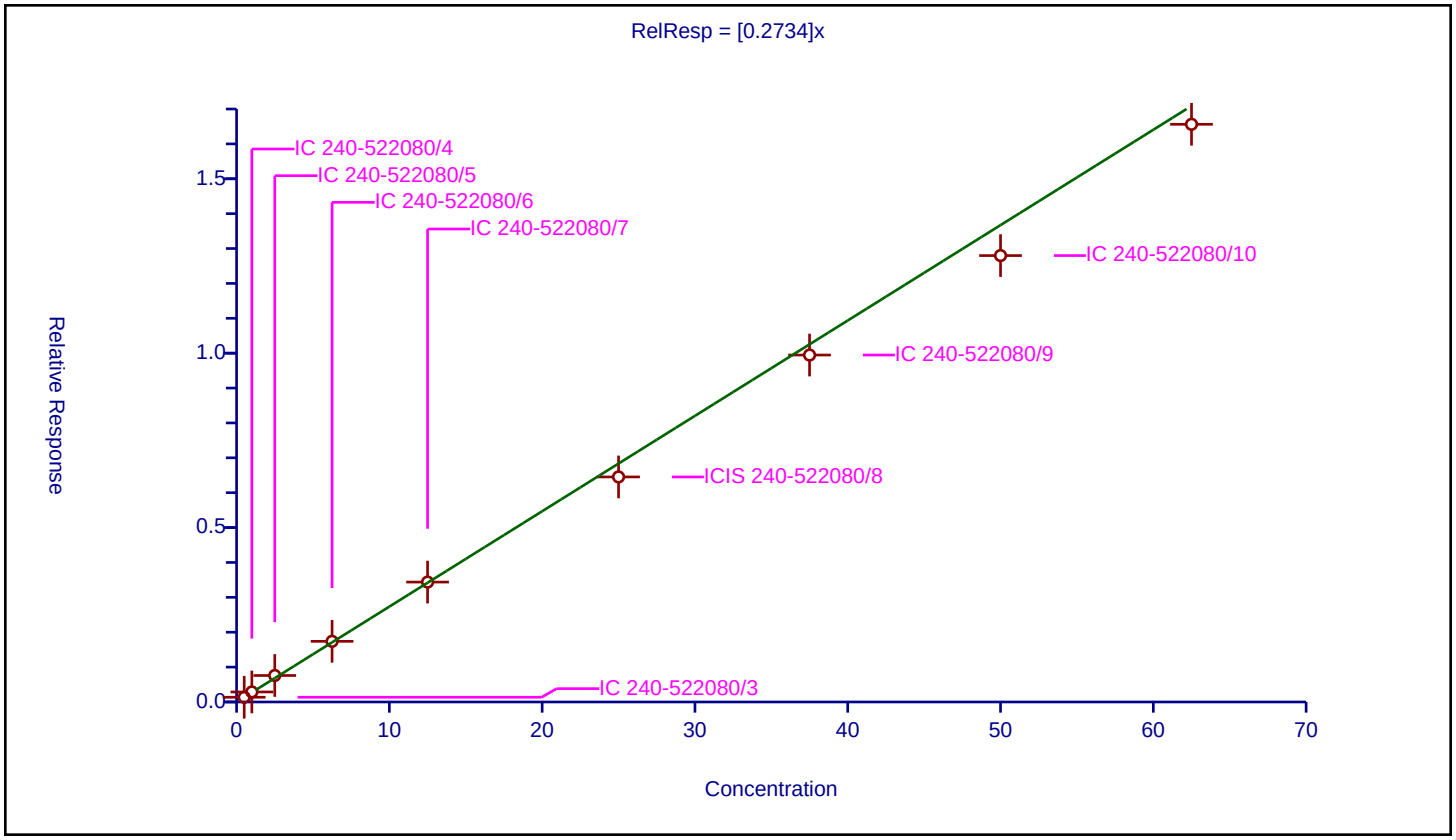
Curve Coefficients

Intercept:	0
Slope:	0.2734

Error Coefficients

Standard Error:	332000
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	IC 240-522080/3	0.5	0.135754	28.9	924557.0	0.271509	Y
2	IC 240-522080/4	1.0	0.287853	28.9	940735.0	0.287853	Y
3	IC 240-522080/5	2.5	0.759799	28.9	961407.0	0.30392	Y
4	IC 240-522080/6	6.25	1.738888	28.9	994912.0	0.278222	Y
5	IC 240-522080/7	12.5	3.437517	28.9	1017048.0	0.275001	Y
6	ICIS 240-522080/8	25.0	6.451922	28.9	1111015.0	0.258077	Y
7	IC 240-522080/9	37.5	9.946776	28.9	1108022.0	0.265247	Y
8	IC 240-522080/10	50.0	12.798171	28.9	1112730.0	0.255963	Y
9	IC 240-522080/11	62.5	16.562229	28.9	1121122.0	0.264996	Y



Calibration / Chloromethane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

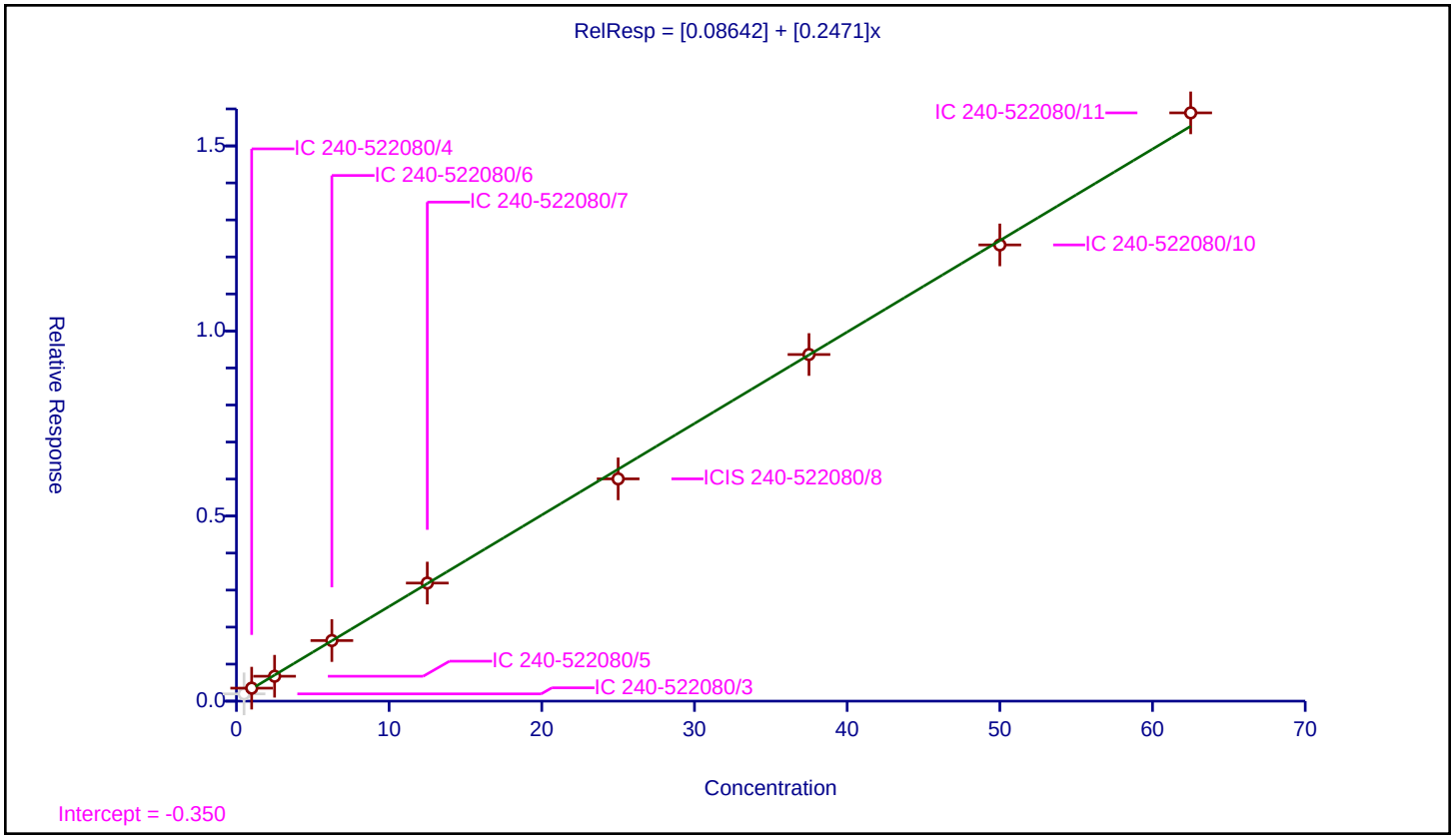
Curve Coefficients

Intercept:	0.08642
Slope:	0.2471

Error Coefficients

Standard Error:	366000
Relative Standard Error:	4.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.196239	28.9	924557.0	0.392478	N
2	IC 240-522080/4	1.0	0.35083	28.9	940735.0	0.35083	Y
3	IC 240-522080/5	2.5	0.672685	28.9	961407.0	0.269074	Y
4	IC 240-522080/6	6.25	1.636233	28.9	994912.0	0.261797	Y
5	IC 240-522080/7	12.5	3.190415	28.9	1017048.0	0.255233	Y
6	ICIS 240-522080/8	25.0	6.004798	28.9	1111015.0	0.240192	Y
7	IC 240-522080/9	37.5	9.364588	28.9	1108022.0	0.249722	Y
8	IC 240-522080/10	50.0	12.325503	28.9	1112730.0	0.24651	Y
9	IC 240-522080/11	62.5	15.892471	28.9	1121122.0	0.25428	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

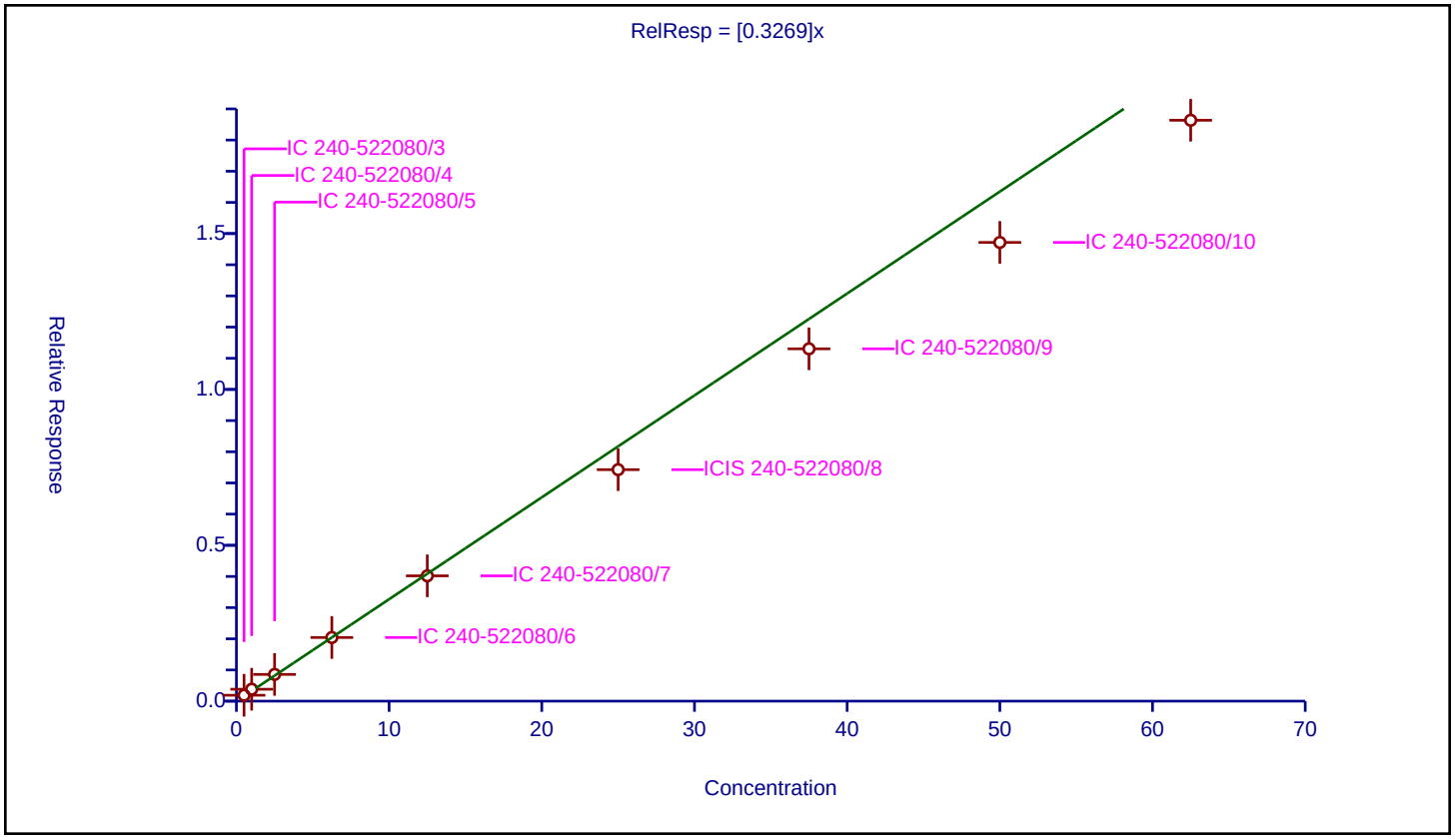
Curve Coefficients

Intercept:	0
Slope:	0.3269

Error Coefficients

Standard Error:	377000
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	IC 240-522080/3	0.5	0.188925	28.9	924557.0	0.377849	Y
2	IC 240-522080/4	1.0	0.382196	28.9	940735.0	0.382196	Y
3	IC 240-522080/5	2.5	0.857525	28.9	961407.0	0.34301	Y
4	IC 240-522080/6	6.25	2.041973	28.9	994912.0	0.326716	Y
5	IC 240-522080/7	12.5	4.019894	28.9	1017048.0	0.321592	Y
6	ICIS 240-522080/8	25.0	7.426237	28.9	1111015.0	0.297049	Y
7	IC 240-522080/9	37.5	11.302884	28.9	1108022.0	0.30141	Y
8	IC 240-522080/10	50.0	14.715669	28.9	1112730.0	0.294313	Y
9	IC 240-522080/11	62.5	18.63512	28.9	1121122.0	0.298162	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

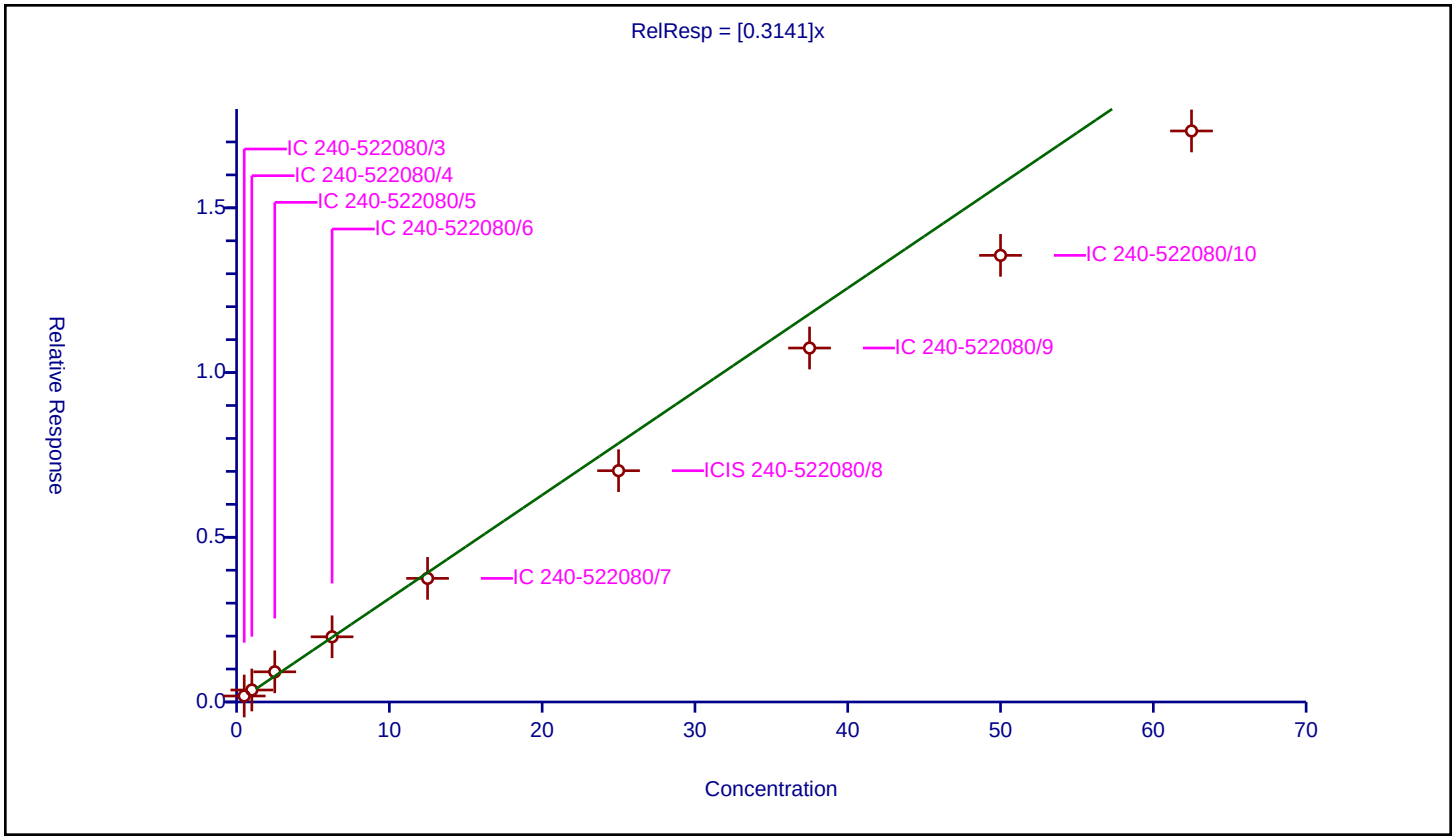
Curve Coefficients

Intercept:	0
Slope:	0.3141

Error Coefficients

Standard Error:	352000
Relative Standard Error:	12.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.182048	28.9	924557.0	0.364096	Y
2	IC 240-522080/4	1.0	0.363917	28.9	940735.0	0.363917	Y
3	IC 240-522080/5	2.5	0.915932	28.9	961407.0	0.366373	Y
4	IC 240-522080/6	6.25	1.978532	28.9	994912.0	0.316565	Y
5	IC 240-522080/7	12.5	3.75256	28.9	1017048.0	0.300205	Y
6	ICIS 240-522080/8	25.0	7.020732	28.9	1111015.0	0.280829	Y
7	IC 240-522080/9	37.5	10.744874	28.9	1108022.0	0.28653	Y
8	IC 240-522080/10	50.0	13.557259	28.9	1112730.0	0.271145	Y
9	IC 240-522080/11	62.5	17.333705	28.9	1121122.0	0.277339	Y



Calibration / Bromomethane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

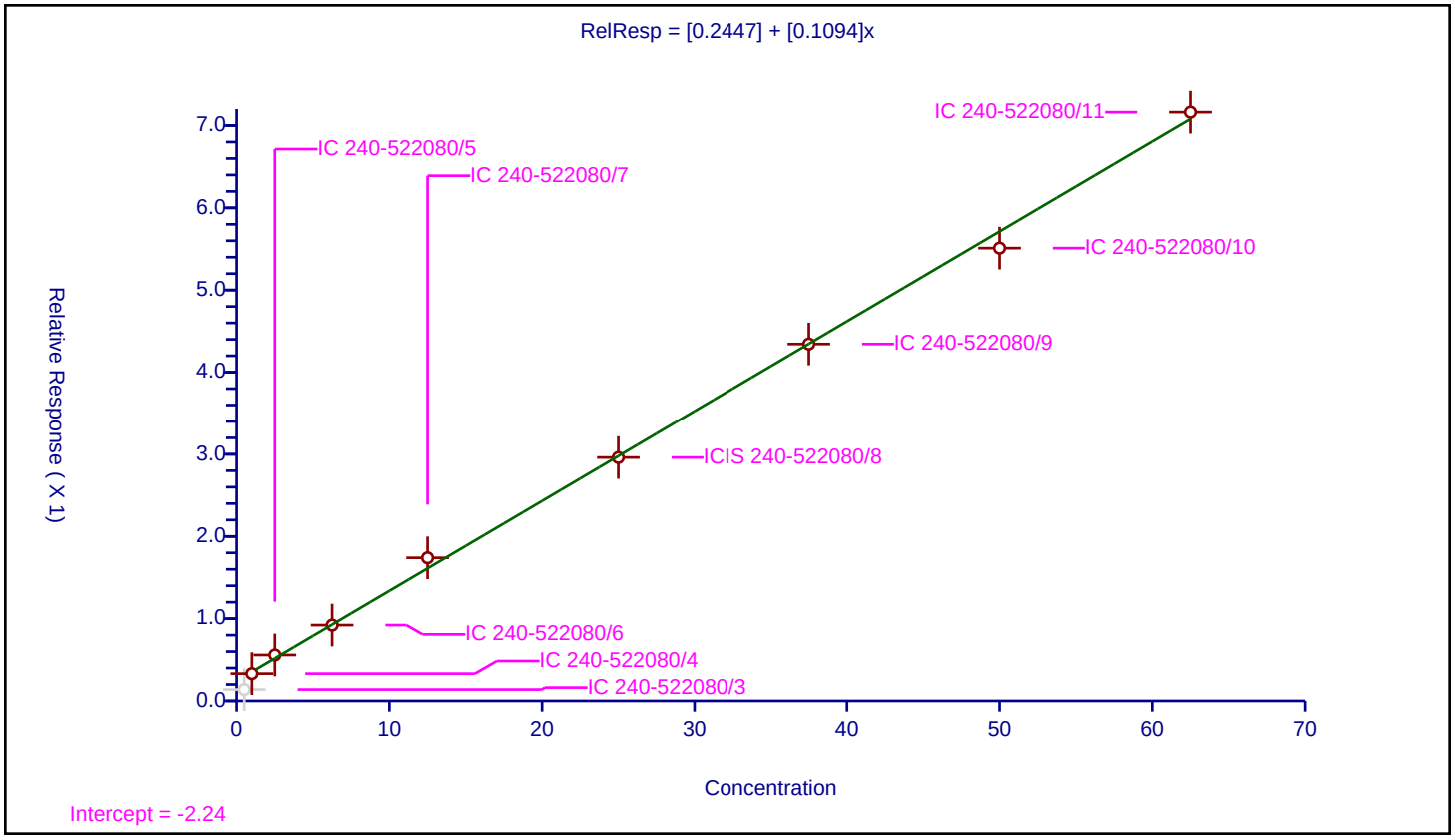
Curve Coefficients

Intercept:	0.2447
Slope:	0.1094

Error Coefficients

Standard Error:	167000
Relative Standard Error:	11.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.13838	28.9	924557.0	0.27676	N
2	IC 240-522080/4	1.0	0.332152	28.9	940735.0	0.332152	Y
3	IC 240-522080/5	2.5	0.558637	28.9	961407.0	0.223455	Y
4	IC 240-522080/6	6.25	0.922006	28.9	994912.0	0.147521	Y
5	IC 240-522080/7	12.5	1.740198	28.9	1017048.0	0.139216	Y
6	ICIS 240-522080/8	25.0	2.960818	28.9	1111015.0	0.118433	Y
7	IC 240-522080/9	37.5	4.343312	28.9	1108022.0	0.115822	Y
8	IC 240-522080/10	50.0	5.510565	28.9	1112730.0	0.110211	Y
9	IC 240-522080/11	62.5	7.162064	28.9	1121122.0	0.114593	Y



Curve Type:	Quadratic
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

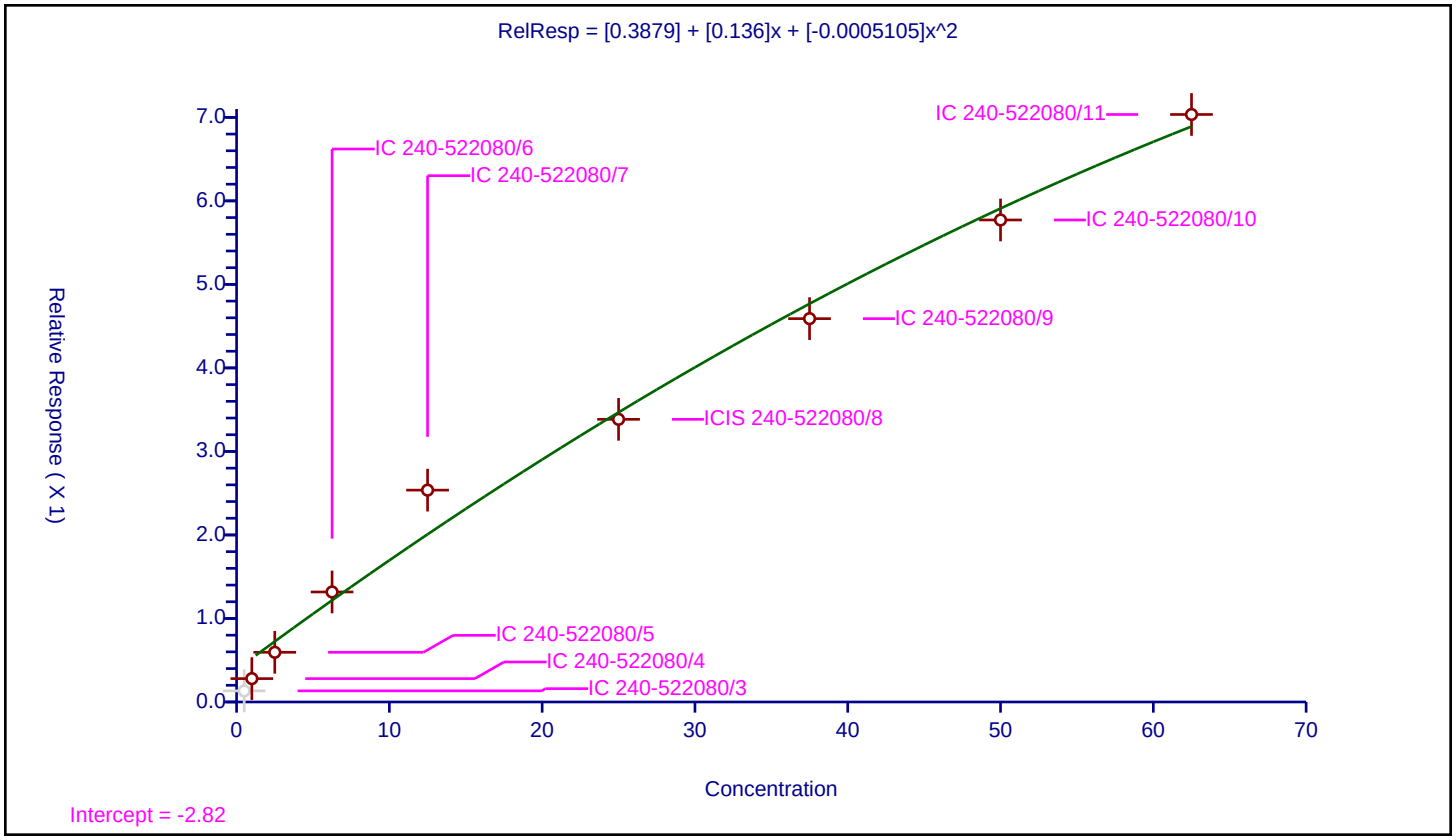
Curve Coefficients

Intercept:	0.3879
Slope:	0.136
Second Order:	-0.0005105

Error Coefficients

Standard Error:	191000
Relative Standard Error:	83.8
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.13341	28.9	924557.0	0.26682	N
2	IC 240-522080/4	1.0	0.279712	28.9	940735.0	0.279712	Y
3	IC 240-522080/5	2.5	0.59504	28.9	961407.0	0.238016	Y
4	IC 240-522080/6	6.25	1.317172	28.9	994912.0	0.210748	Y
5	IC 240-522080/7	12.5	2.536772	28.9	1017048.0	0.202942	Y
6	ICIS 240-522080/8	25.0	3.38435	28.9	1111015.0	0.135374	Y
7	IC 240-522080/9	37.5	4.590079	28.9	1108022.0	0.122402	Y
8	IC 240-522080/10	50.0	5.771403	28.9	1112730.0	0.115428	Y
9	IC 240-522080/11	62.5	7.03467	28.9	1121122.0	0.112555	Y



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

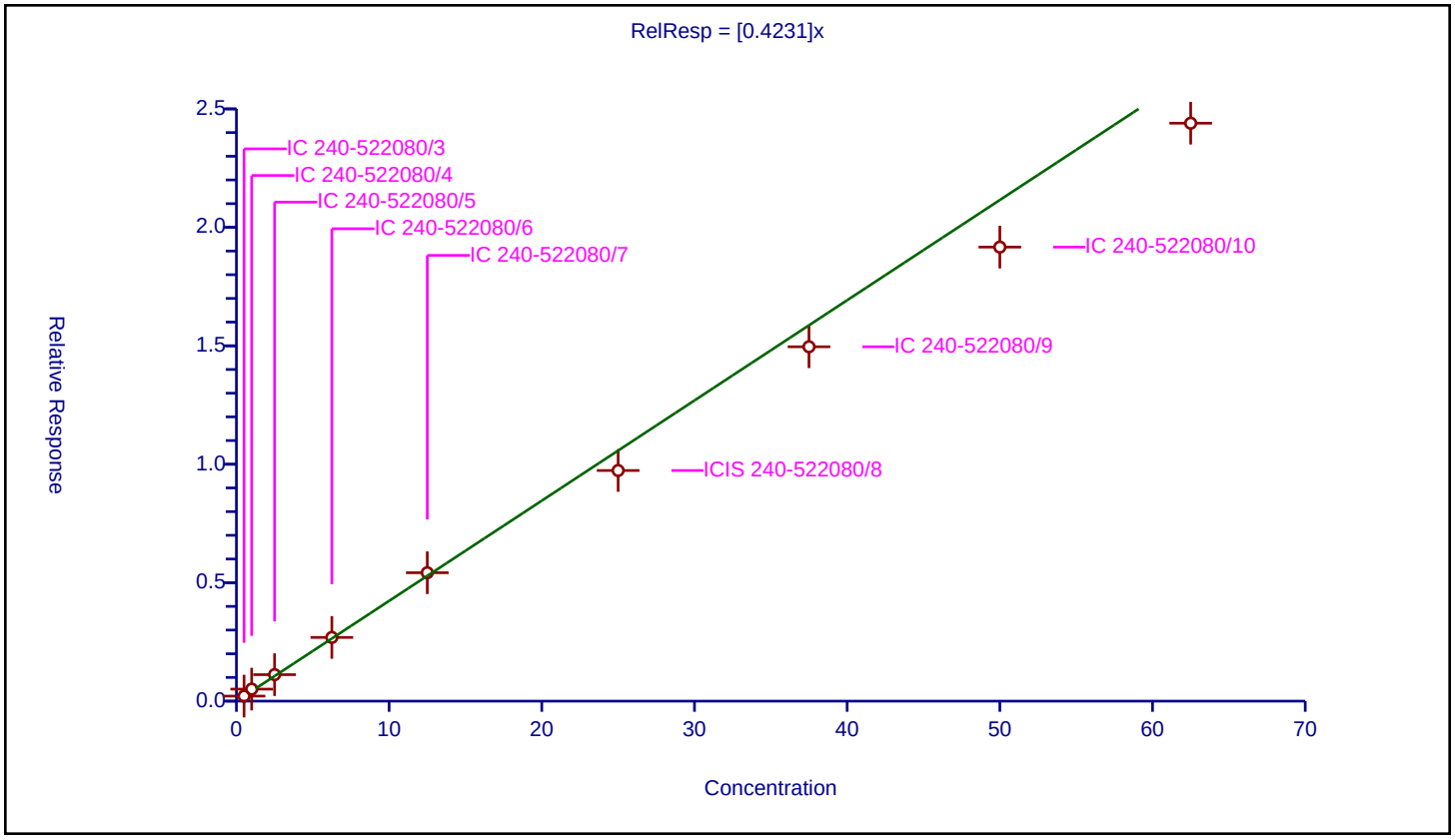
Curve Coefficients

Intercept:	0
Slope:	0.4231

Error Coefficients

Standard Error:	494000
Relative Standard Error:	9.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.213181	28.9	924557.0	0.426362	Y
2	IC 240-522080/4	1.0	0.508089	28.9	940735.0	0.508089	Y
3	IC 240-522080/5	2.5	1.118266	28.9	961407.0	0.447306	Y
4	IC 240-522080/6	6.25	2.689274	28.9	994912.0	0.430284	Y
5	IC 240-522080/7	12.5	5.420895	28.9	1017048.0	0.433672	Y
6	ICIS 240-522080/8	25.0	9.736047	28.9	1111015.0	0.389442	Y
7	IC 240-522080/9	37.5	14.959026	28.9	1108022.0	0.398907	Y
8	IC 240-522080/10	50.0	19.165895	28.9	1112730.0	0.383318	Y
9	IC 240-522080/11	62.5	24.396215	28.9	1121122.0	0.390339	Y



Calibration / Dichlorofluoromethane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

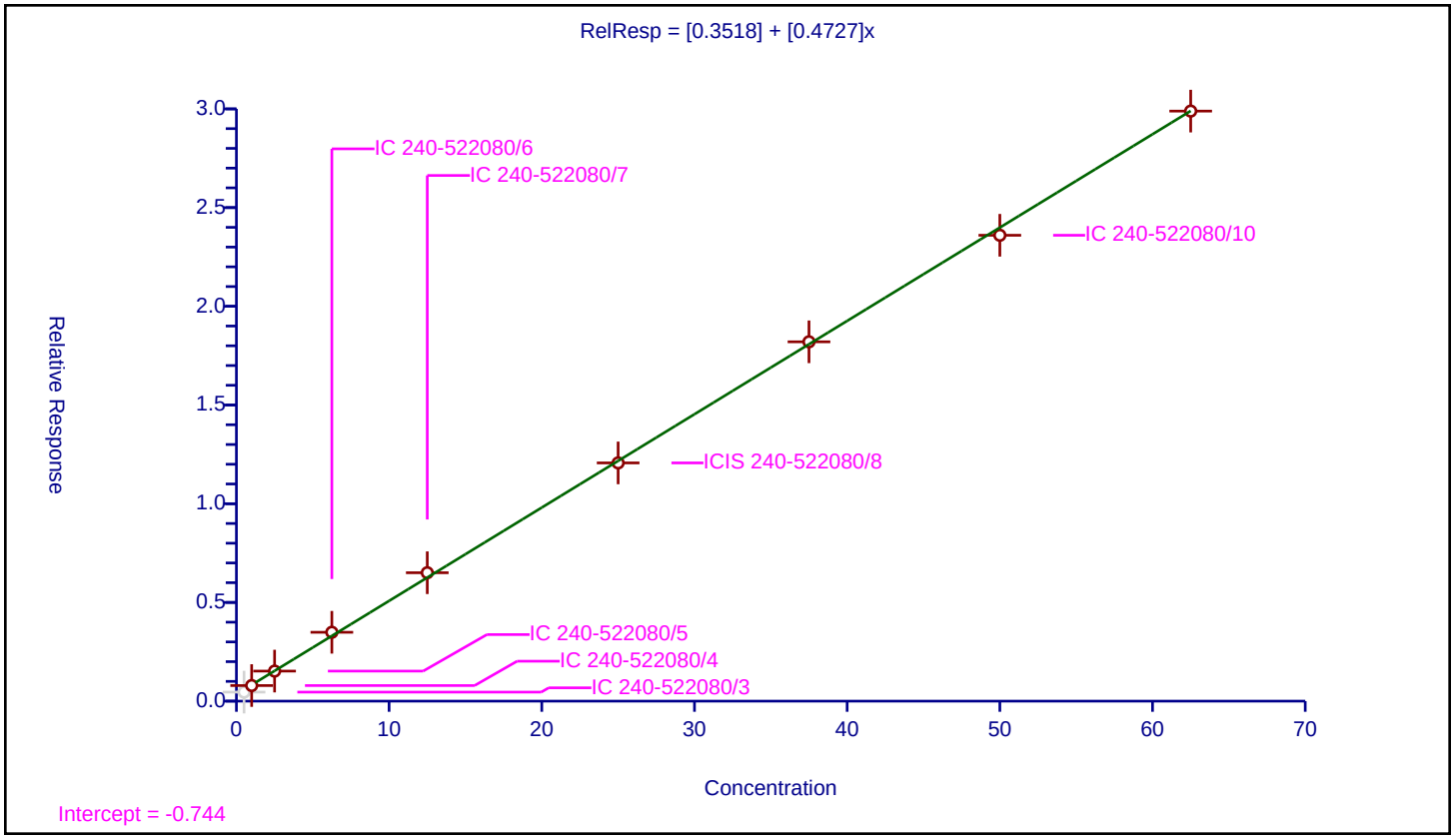
Curve Coefficients

Intercept:	0.3518
Slope:	0.4727

Error Coefficients

Standard Error:	700000
Relative Standard Error:	4.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.458214	28.9	924557.0	0.916428	N
2	IC 240-522080/4	1.0	0.789337	28.9	940735.0	0.789337	Y
3	IC 240-522080/5	2.5	1.522034	28.9	961407.0	0.608813	Y
4	IC 240-522080/6	6.25	3.487856	28.9	994912.0	0.558057	Y
5	IC 240-522080/7	12.5	6.504665	28.9	1017048.0	0.520373	Y
6	ICIS 240-522080/8	25.0	12.067603	28.9	1111015.0	0.482704	Y
7	IC 240-522080/9	37.5	18.202387	28.9	1108022.0	0.485397	Y
8	IC 240-522080/10	50.0	23.597966	28.9	1112730.0	0.471959	Y
9	IC 240-522080/11	62.5	29.888525	28.9	1121122.0	0.478216	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

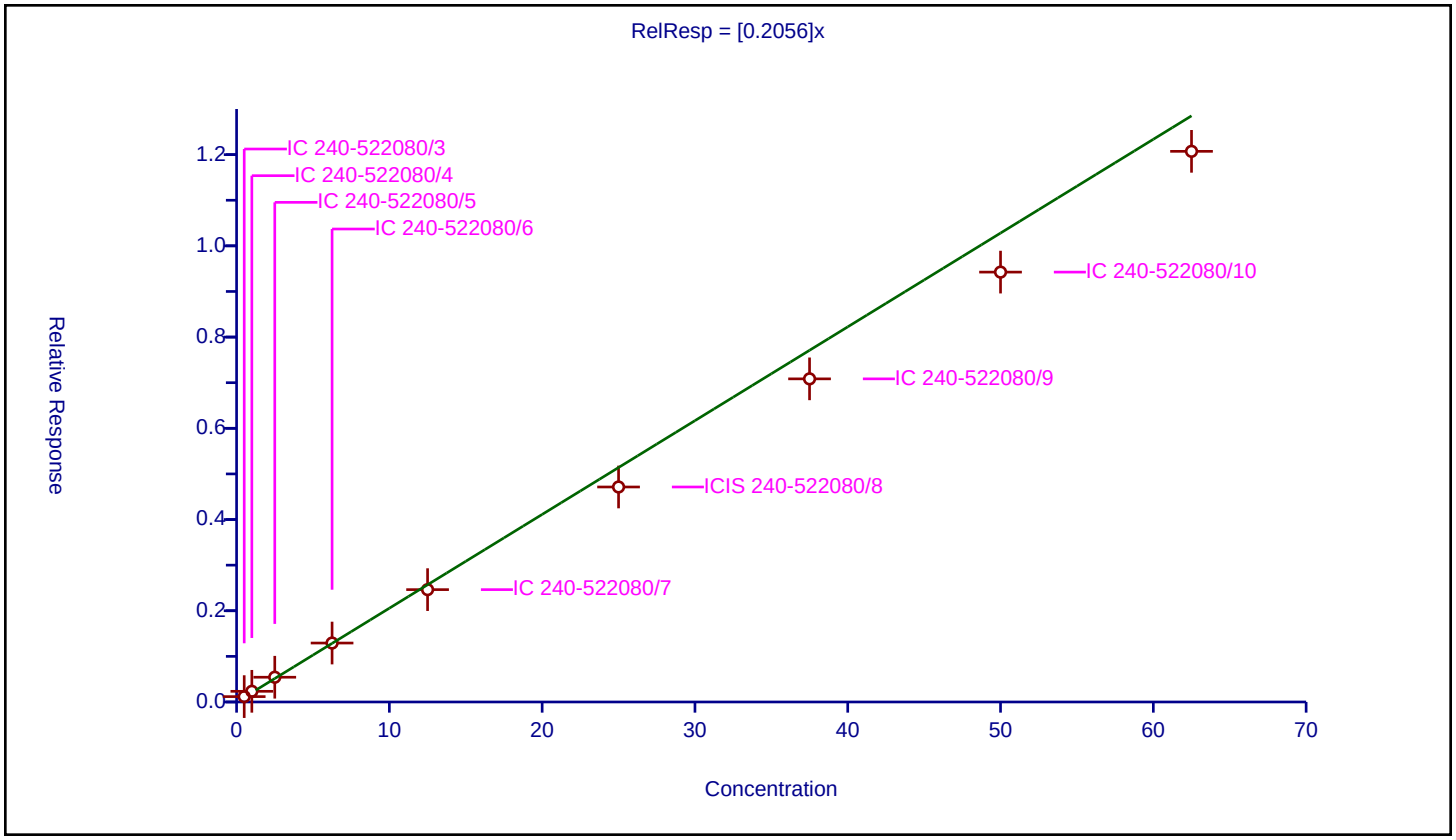
Curve Coefficients

Intercept:	0
Slope:	0.2056

Error Coefficients

Standard Error:	242000
Relative Standard Error:	9.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.118062	28.9	924557.0	0.236125	Y
2	IC 240-522080/4	1.0	0.234245	28.9	940735.0	0.234245	Y
3	IC 240-522080/5	2.5	0.542765	28.9	961407.0	0.217106	Y
4	IC 240-522080/6	6.25	1.292365	28.9	994912.0	0.206778	Y
5	IC 240-522080/7	12.5	2.463545	28.9	1017048.0	0.197084	Y
6	ICIS 240-522080/8	25.0	4.713706	28.9	1111015.0	0.188548	Y
7	IC 240-522080/9	37.5	7.083907	28.9	1108022.0	0.188904	Y
8	IC 240-522080/10	50.0	9.424621	28.9	1112730.0	0.188492	Y
9	IC 240-522080/11	62.5	12.072235	28.9	1121122.0	0.193156	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

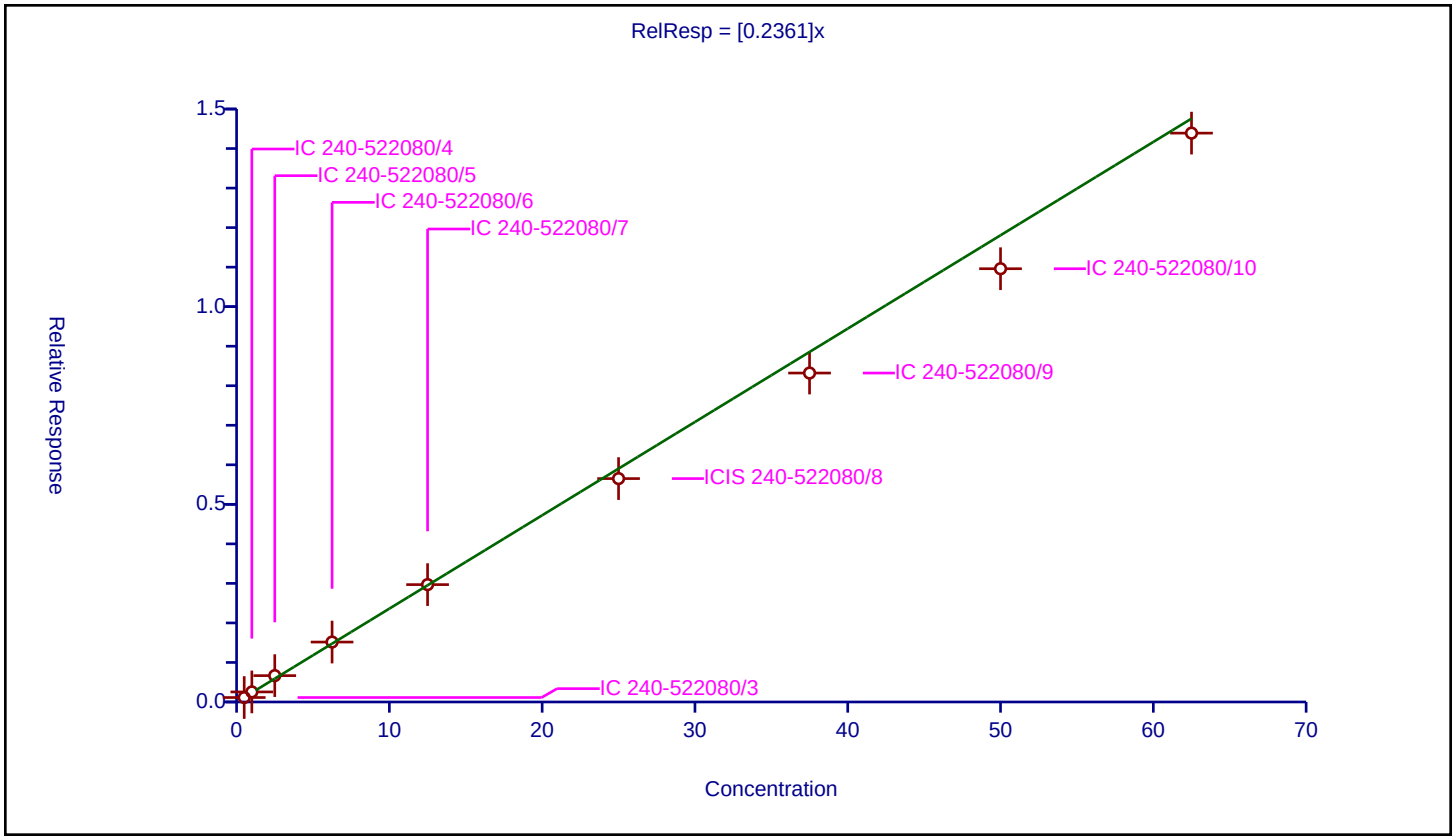
Curve Coefficients

Intercept:	0
Slope:	0.2361

Error Coefficients

Standard Error:	286000
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	IC 240-522080/3	0.5	0.113155	28.9	924557.0	0.226309	Y
2	IC 240-522080/4	1.0	0.254367	28.9	940735.0	0.254367	Y
3	IC 240-522080/5	2.5	0.667034	28.9	961407.0	0.266814	Y
4	IC 240-522080/6	6.25	1.516382	28.9	994912.0	0.242621	Y
5	IC 240-522080/7	12.5	2.969399	28.9	1017048.0	0.237552	Y
6	ICIS 240-522080/8	25.0	5.651369	28.9	1111015.0	0.226055	Y
7	IC 240-522080/9	37.5	8.321079	28.9	1108022.0	0.221895	Y
8	IC 240-522080/10	50.0	10.960303	28.9	1112730.0	0.219206	Y
9	IC 240-522080/11	62.5	14.390067	28.9	1121122.0	0.230241	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

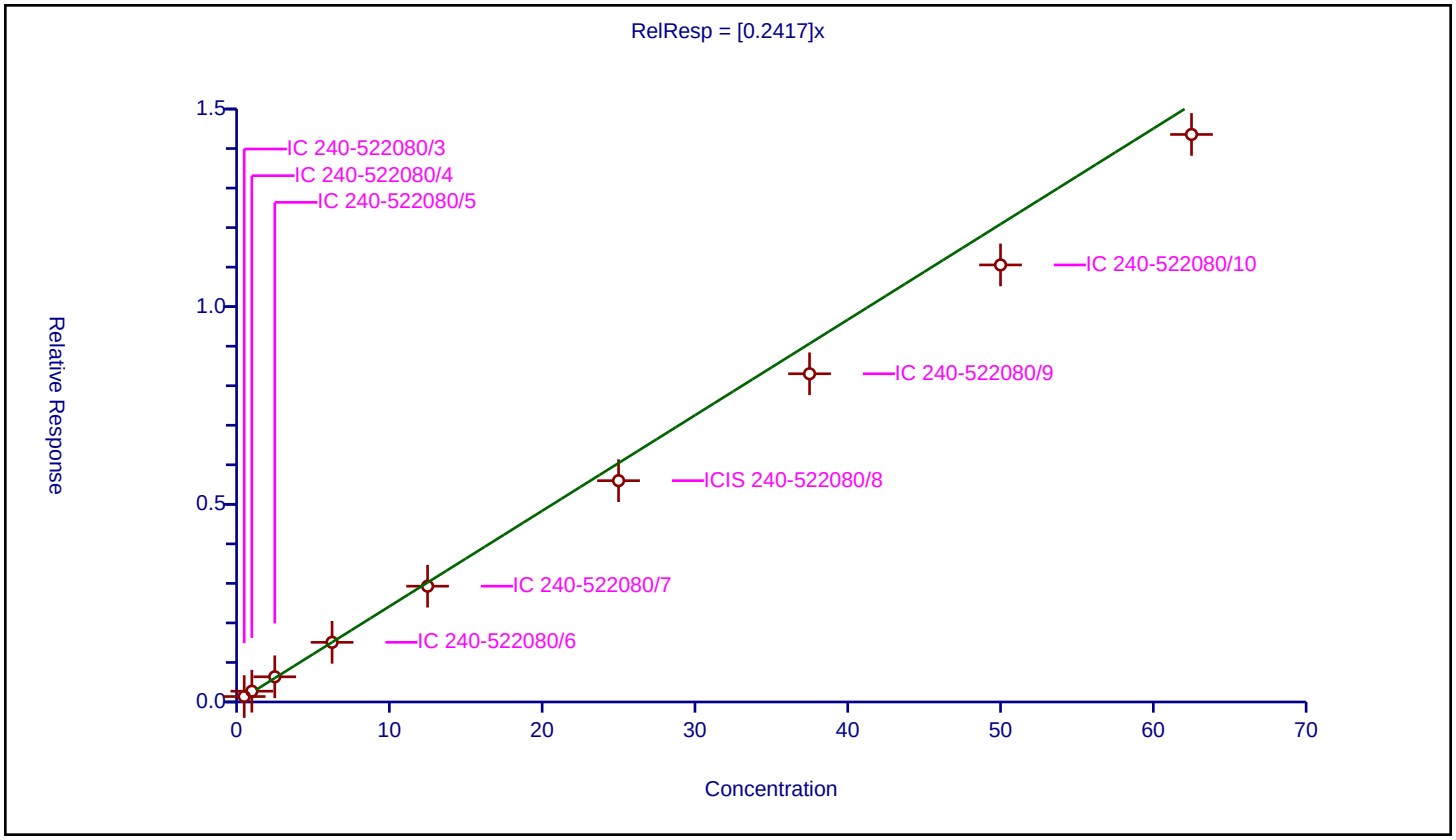
Curve Coefficients

Intercept:	0
Slope:	0.2417

Error Coefficients

Standard Error:	286000
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	IC 240-522080/3	0.5	0.13788	28.9	924557.0	0.27576	Y
2	IC 240-522080/4	1.0	0.273045	28.9	940735.0	0.273045	Y
3	IC 240-522080/5	2.5	0.637214	28.9	961407.0	0.254886	Y
4	IC 240-522080/6	6.25	1.509149	28.9	994912.0	0.241464	Y
5	IC 240-522080/7	12.5	2.929532	28.9	1017048.0	0.234363	Y
6	ICIS 240-522080/8	25.0	5.598851	28.9	1111015.0	0.223954	Y
7	IC 240-522080/9	37.5	8.303003	28.9	1108022.0	0.221413	Y
8	IC 240-522080/10	50.0	11.055465	28.9	1112730.0	0.221109	Y
9	IC 240-522080/11	62.5	14.356453	28.9	1121122.0	0.229703	Y



Calibration / Acrolein

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

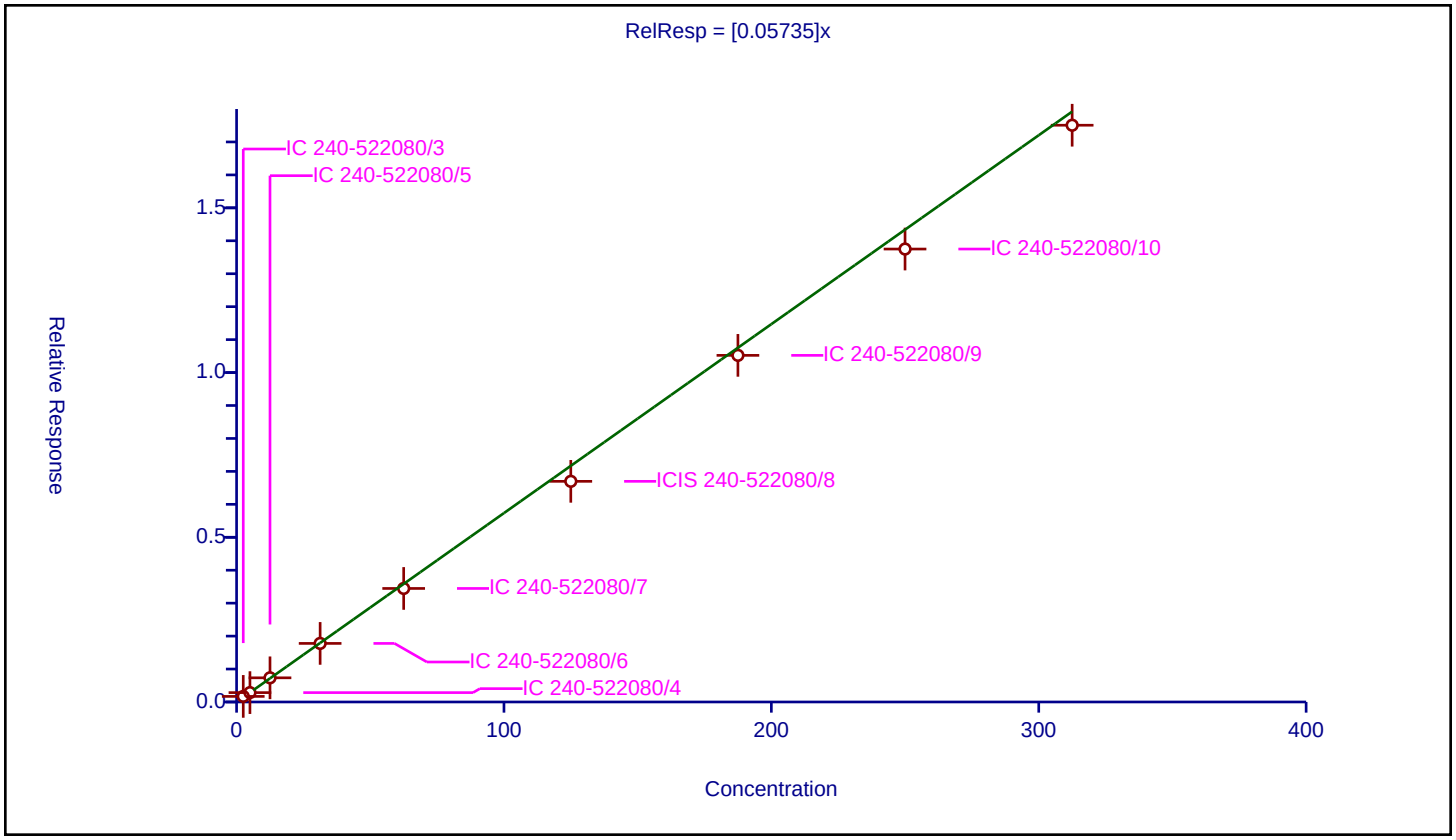
Curve Coefficients

Intercept:	0
Slope:	0.05735

Error Coefficients

Standard Error:	352000
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	IC 240-522080/3	2.5	0.169294	28.9	924557.0	0.067718	Y
2	IC 240-522080/4	5.0	0.28475	28.9	940735.0	0.05695	Y
3	IC 240-522080/5	12.5	0.733857	28.9	961407.0	0.058709	Y
4	IC 240-522080/6	31.25	1.777754	28.9	994912.0	0.056888	Y
5	IC 240-522080/7	62.5	3.446212	28.9	1017048.0	0.055139	Y
6	ICIS 240-522080/8	125.0	6.698102	28.9	1111015.0	0.053585	Y
7	IC 240-522080/9	187.5	10.52226	28.9	1108022.0	0.056119	Y
8	IC 240-522080/10	250.0	13.749323	28.9	1112730.0	0.054997	Y
9	IC 240-522080/11	312.5	17.50822	28.9	1121122.0	0.056026	Y



Curve Type:	Quadratic
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

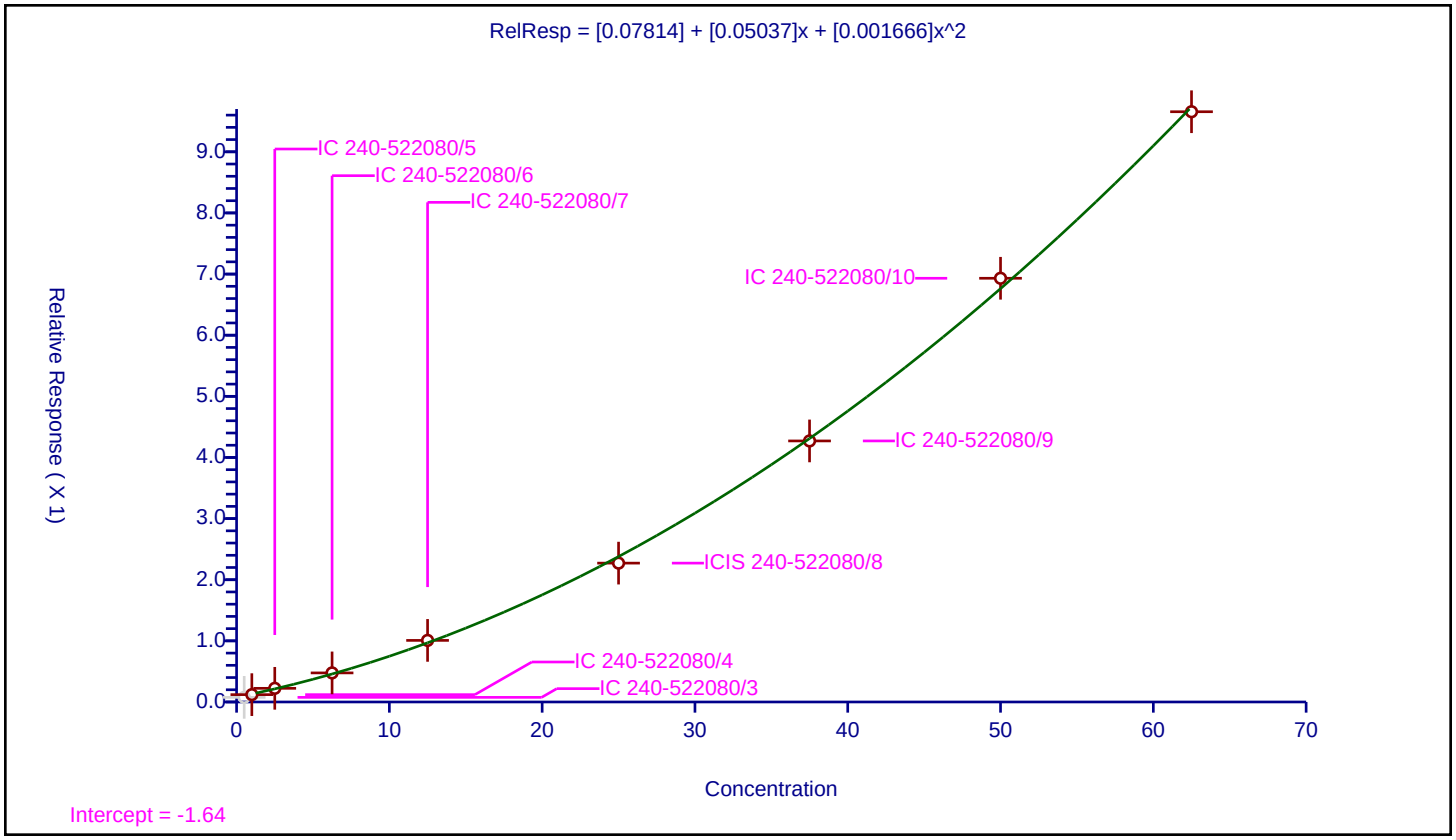
Curve Coefficients

Intercept:	0.07814
Slope:	0.05037
Second Order:	0.001666

Error Coefficients

Standard Error:	223000
Relative Standard Error:	9.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.075864	28.9	924557.0	0.151727	N
2	IC 240-522080/4	1.0	0.120241	28.9	940735.0	0.120241	Y
3	IC 240-522080/5	2.5	0.223377	28.9	961407.0	0.089351	Y
4	IC 240-522080/6	6.25	0.475571	28.9	994912.0	0.076091	Y
5	IC 240-522080/7	12.5	1.007531	28.9	1017048.0	0.080602	Y
6	ICIS 240-522080/8	25.0	2.271546	28.9	1111015.0	0.090862	Y
7	IC 240-522080/9	37.5	4.270177	28.9	1108022.0	0.113871	Y
8	IC 240-522080/10	50.0	6.931372	28.9	1112730.0	0.138627	Y
9	IC 240-522080/11	62.5	9.655494	28.9	1121122.0	0.154488	Y



Calibration / Acetone

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

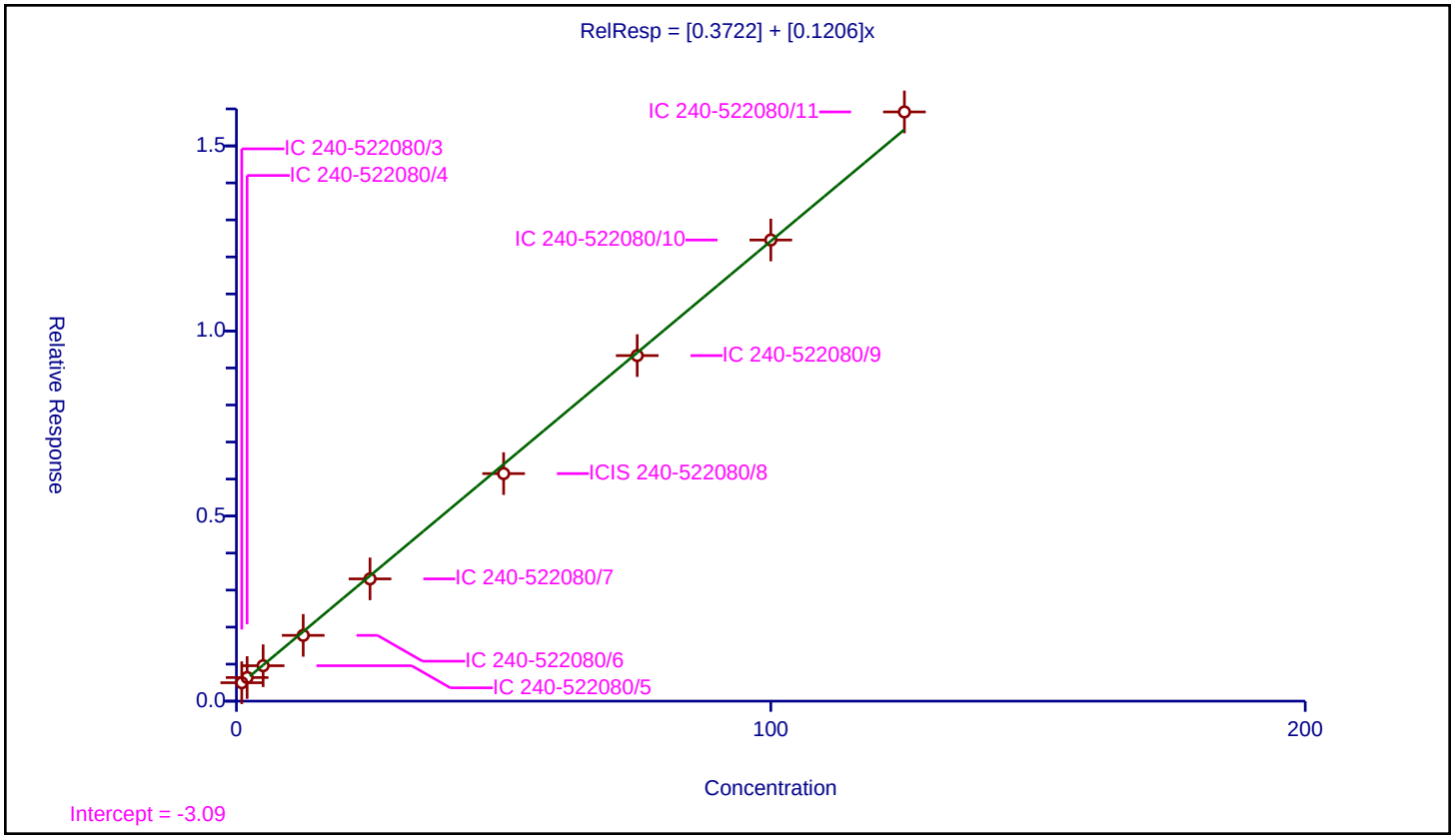
Curve Coefficients

Intercept:	0.3722
Slope:	0.1206

Error Coefficients

Standard Error:	341000
Relative Standard Error:	5.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	1.0	0.497599	28.9	924557.0	0.497599	Y
2	IC 240-522080/4	2.0	0.637761	28.9	940735.0	0.31888	Y
3	IC 240-522080/5	5.0	0.956813	28.9	961407.0	0.191363	Y
4	IC 240-522080/6	12.5	1.777086	28.9	994912.0	0.142167	Y
5	IC 240-522080/7	25.0	3.303253	28.9	1017048.0	0.13213	Y
6	ICIS 240-522080/8	50.0	6.147605	28.9	1111015.0	0.122952	Y
7	IC 240-522080/9	75.0	9.335297	28.9	1108022.0	0.124471	Y
8	IC 240-522080/10	100.0	12.457961	28.9	1112730.0	0.12458	Y
9	IC 240-522080/11	125.0	15.917605	28.9	1121122.0	0.127341	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

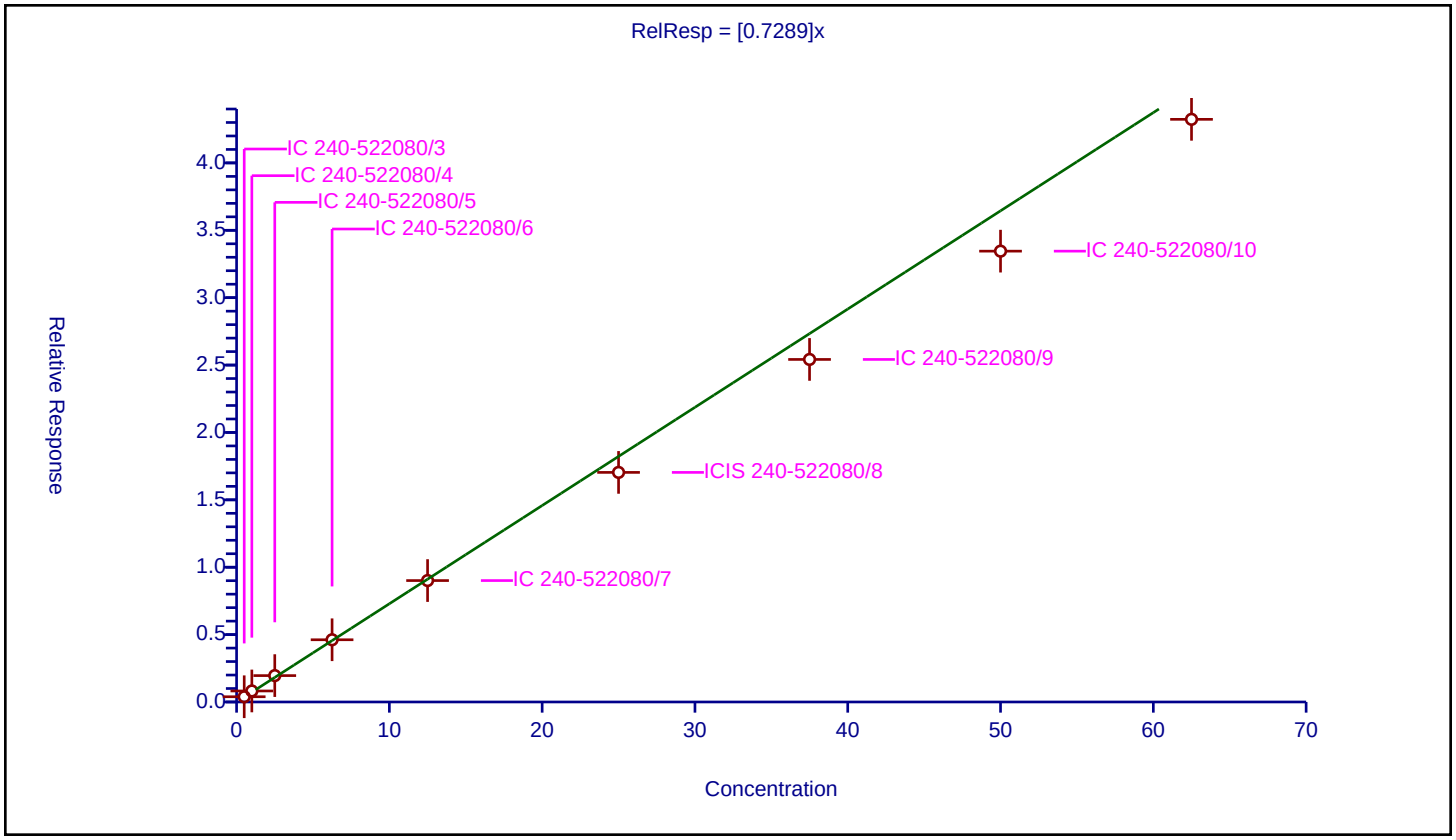
Curve Coefficients

Intercept:	0
Slope:	0.7289

Error Coefficients

Standard Error:	865000
Relative Standard Error:	7.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.38954	28.9	924557.0	0.77908	Y
2	IC 240-522080/4	1.0	0.817907	28.9	940735.0	0.817907	Y
3	IC 240-522080/5	2.5	1.958807	28.9	961407.0	0.783523	Y
4	IC 240-522080/6	6.25	4.616857	28.9	994912.0	0.738697	Y
5	IC 240-522080/7	12.5	9.010151	28.9	1017048.0	0.720812	Y
6	ICIS 240-522080/8	25.0	17.035319	28.9	1111015.0	0.681413	Y
7	IC 240-522080/9	37.5	25.417176	28.9	1108022.0	0.677791	Y
8	IC 240-522080/10	50.0	33.45266	28.9	1112730.0	0.669053	Y
9	IC 240-522080/11	62.5	43.233613	28.9	1121122.0	0.691738	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

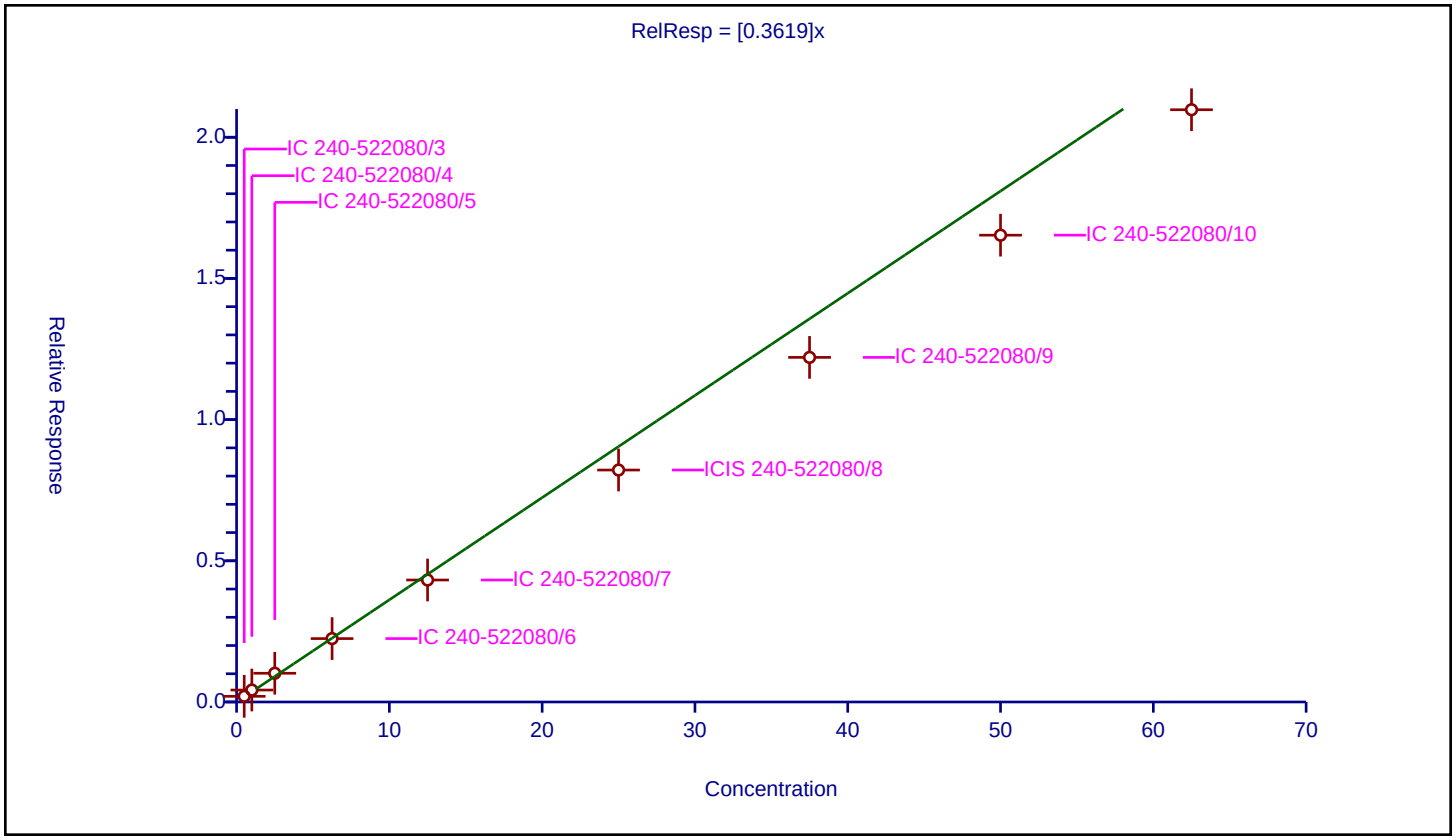
Curve Coefficients

Intercept:	0
Slope:	0.3619

Error Coefficients

Standard Error:	421000
Relative Standard Error:	10.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.200709	28.9	924557.0	0.401418	Y
2	IC 240-522080/4	1.0	0.423239	28.9	940735.0	0.423239	Y
3	IC 240-522080/5	2.5	1.017354	28.9	961407.0	0.406942	Y
4	IC 240-522080/6	6.25	2.245743	28.9	994912.0	0.359319	Y
5	IC 240-522080/7	12.5	4.320019	28.9	1017048.0	0.345602	Y
6	ICIS 240-522080/8	25.0	8.215033	28.9	1111015.0	0.328601	Y
7	IC 240-522080/9	37.5	12.203565	28.9	1108022.0	0.325428	Y
8	IC 240-522080/10	50.0	16.532214	28.9	1112730.0	0.330644	Y
9	IC 240-522080/11	62.5	20.974683	28.9	1121122.0	0.335595	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

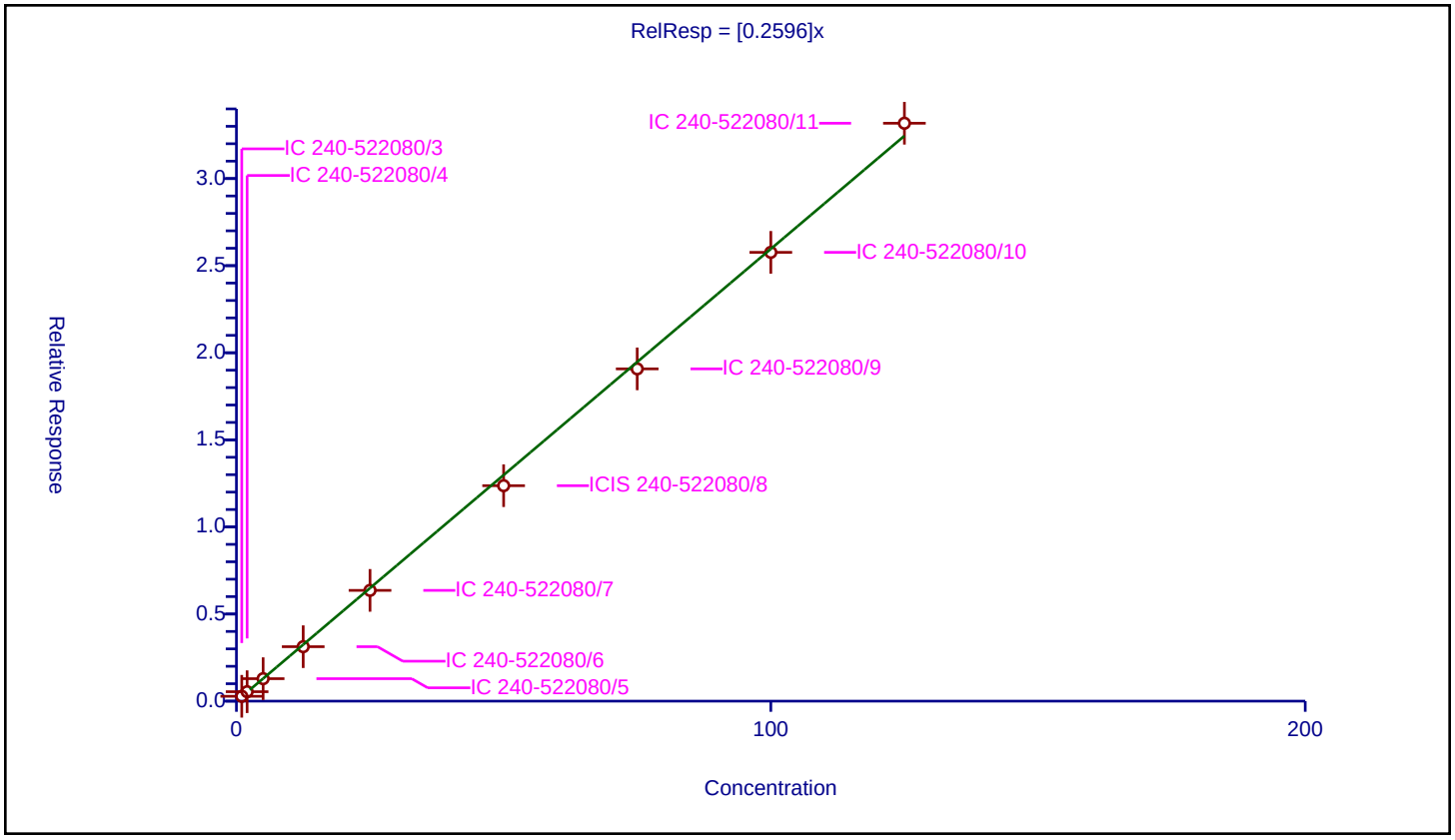
Curve Coefficients

Intercept:	0
Slope:	0.2596

Error Coefficients

Standard Error:	658000
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	IC 240-522080/3	1.0	0.278448	28.9	924557.0	0.278448	Y
2	IC 240-522080/4	2.0	0.541544	28.9	940735.0	0.270772	Y
3	IC 240-522080/5	5.0	1.29024	28.9	961407.0	0.258048	Y
4	IC 240-522080/6	12.5	3.126008	28.9	994912.0	0.250081	Y
5	IC 240-522080/7	25.0	6.358979	28.9	1017048.0	0.254359	Y
6	ICIS 240-522080/8	50.0	12.369033	28.9	1111015.0	0.247381	Y
7	IC 240-522080/9	75.0	19.075551	28.9	1108022.0	0.254341	Y
8	IC 240-522080/10	100.0	25.764044	28.9	1112730.0	0.25764	Y
9	IC 240-522080/11	125.0	33.175703	28.9	1121122.0	0.265406	Y



Calibration / Methylene Chloride

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

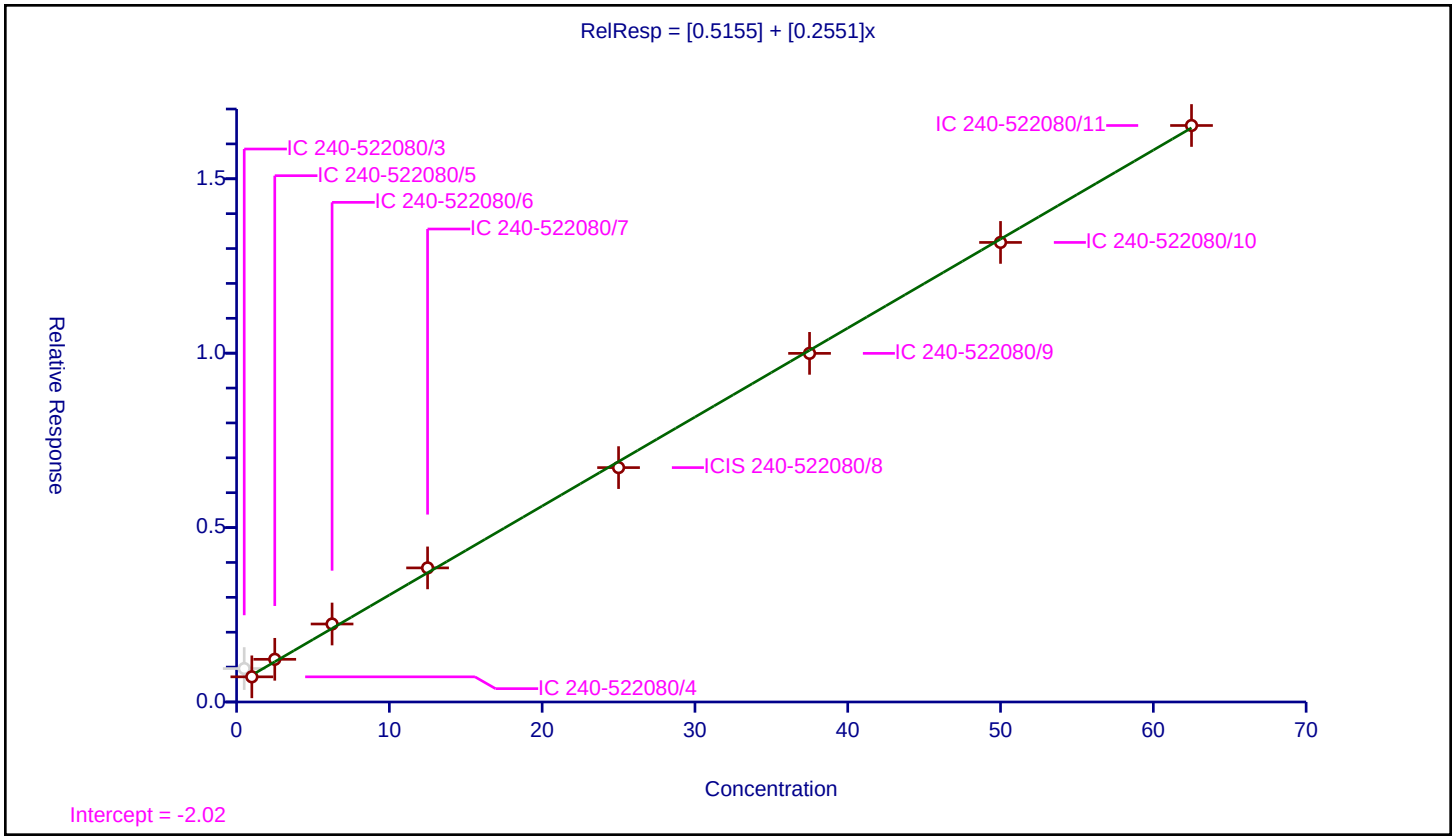
Curve Coefficients

Intercept:	0.5155
Slope:	0.2551

Error Coefficients

Standard Error:	389000
Relative Standard Error:	9.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.958189	28.9	924557.0	1.916379	N
2	IC 240-522080/4	1.0	0.721137	28.9	940735.0	0.721137	Y
3	IC 240-522080/5	2.5	1.223777	28.9	961407.0	0.489511	Y
4	IC 240-522080/6	6.25	2.235518	28.9	994912.0	0.357683	Y
5	IC 240-522080/7	12.5	3.844655	28.9	1017048.0	0.307572	Y
6	ICIS 240-522080/8	25.0	6.719927	28.9	1111015.0	0.268797	Y
7	IC 240-522080/9	37.5	9.994846	28.9	1108022.0	0.266529	Y
8	IC 240-522080/10	50.0	13.175364	28.9	1112730.0	0.263507	Y
9	IC 240-522080/11	62.5	16.527351	28.9	1121122.0	0.264438	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

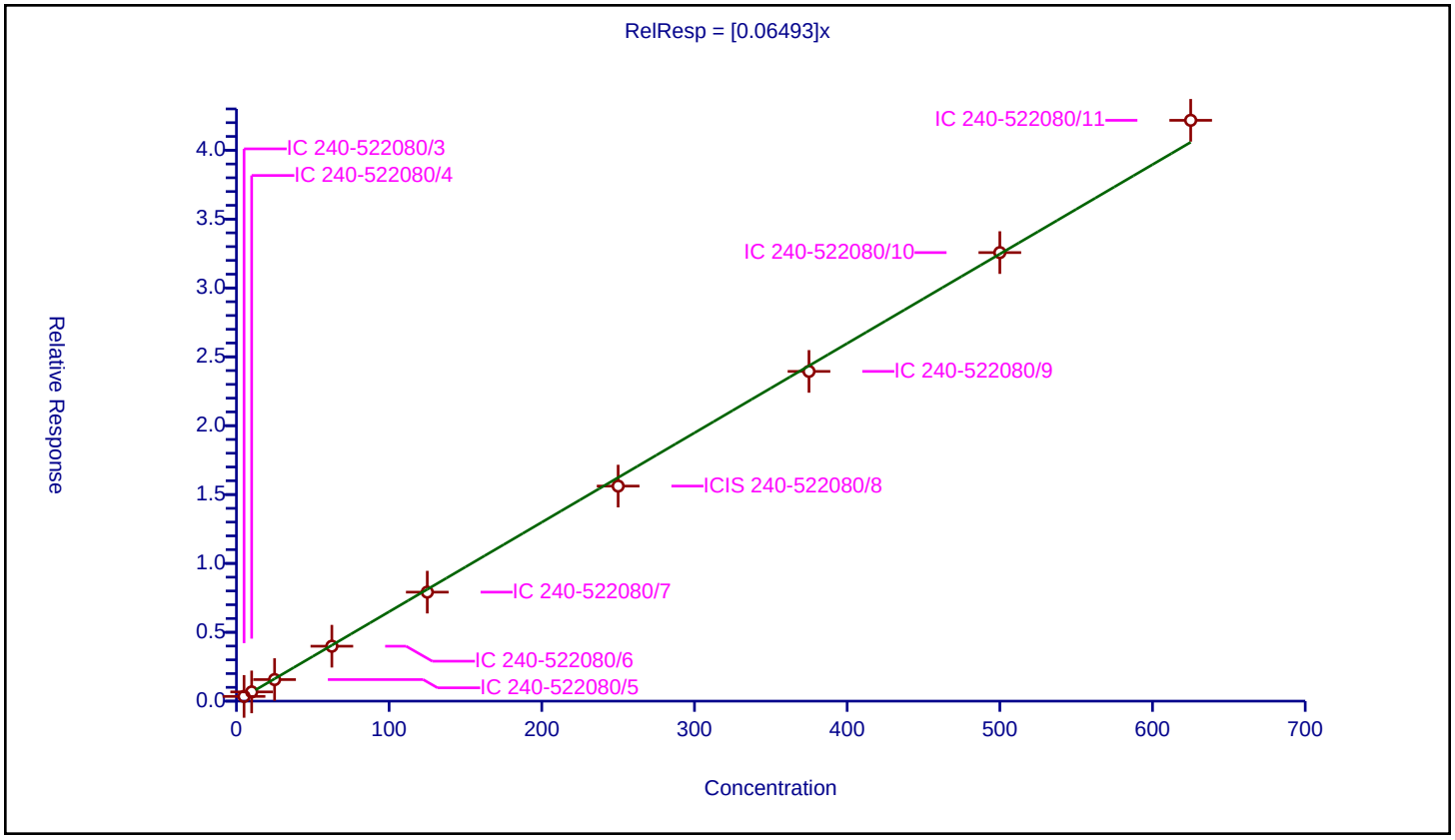
Curve Coefficients

Intercept:	0
Slope:	0.06493

Error Coefficients

Standard Error:	833000
Relative Standard Error:	3.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	5.0	0.344184	28.9	924557.0	0.068837	Y
2	IC 240-522080/4	10.0	0.669096	28.9	940735.0	0.06691	Y
3	IC 240-522080/5	25.0	1.564478	28.9	961407.0	0.062579	Y
4	IC 240-522080/6	62.5	3.988524	28.9	994912.0	0.063816	Y
5	IC 240-522080/7	125.0	7.914532	28.9	1017048.0	0.063316	Y
6	ICIS 240-522080/8	250.0	15.614191	28.9	1111015.0	0.062457	Y
7	IC 240-522080/9	375.0	23.941479	28.9	1108022.0	0.063844	Y
8	IC 240-522080/10	500.0	32.566671	28.9	1112730.0	0.065133	Y
9	IC 240-522080/11	625.0	42.170952	28.9	1121122.0	0.067474	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

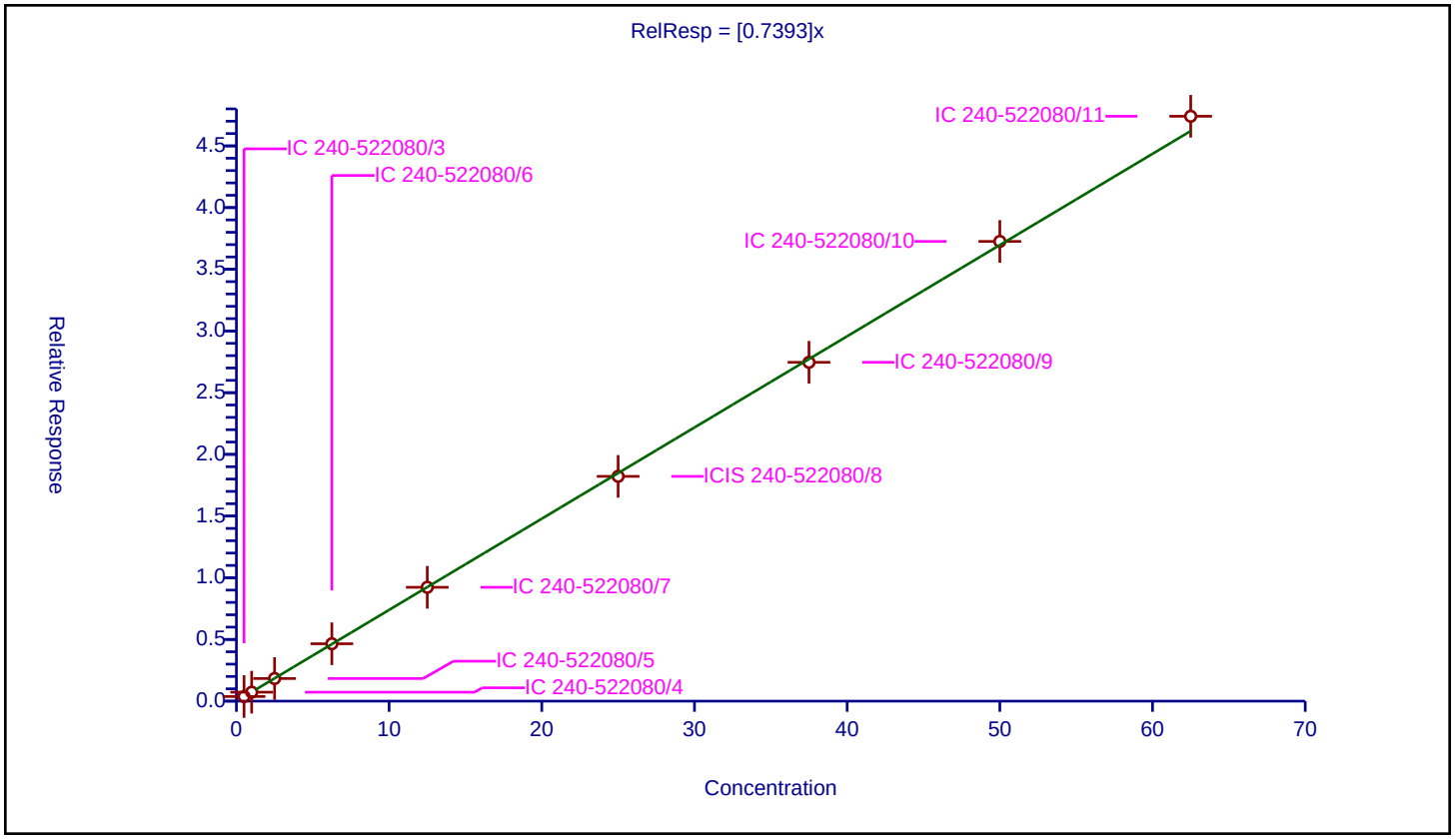
Curve Coefficients

Intercept:	0
Slope:	0.7393

Error Coefficients

Standard Error:	947000
Relative Standard Error:	1.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.373598	28.9	924557.0	0.747196	Y
2	IC 240-522080/4	1.0	0.725837	28.9	940735.0	0.725837	Y
3	IC 240-522080/5	2.5	1.834599	28.9	961407.0	0.733839	Y
4	IC 240-522080/6	6.25	4.651046	28.9	994912.0	0.744167	Y
5	IC 240-522080/7	12.5	9.227388	28.9	1017048.0	0.738191	Y
6	ICIS 240-522080/8	25.0	18.217887	28.9	1111015.0	0.728715	Y
7	IC 240-522080/9	37.5	27.460663	28.9	1108022.0	0.732284	Y
8	IC 240-522080/10	50.0	37.259217	28.9	1112730.0	0.745184	Y
9	IC 240-522080/11	62.5	47.401489	28.9	1121122.0	0.758424	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

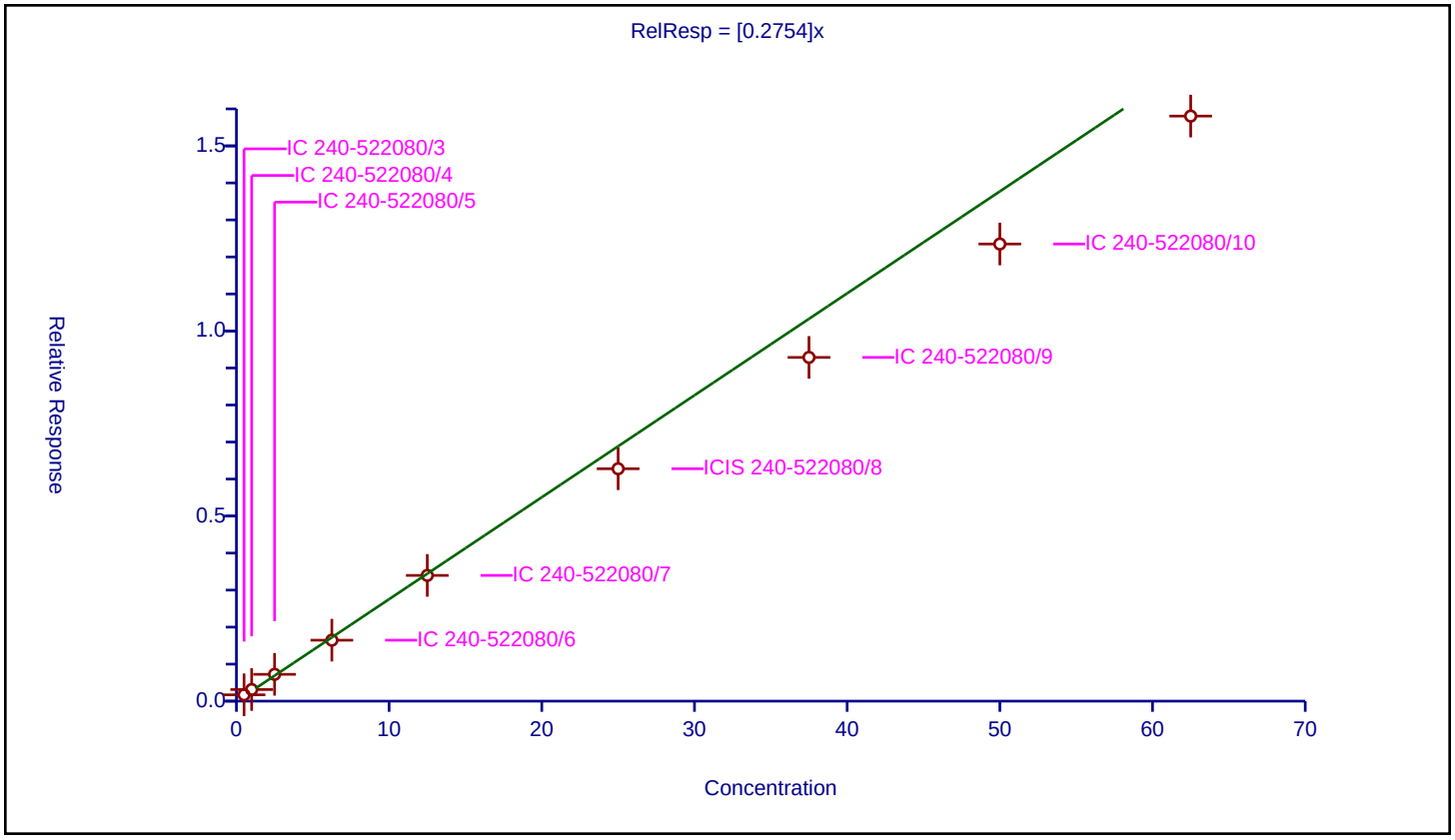
Curve Coefficients

Intercept:	0
Slope:	0.2754

Error Coefficients

Standard Error:	317000
Relative Standard Error:	12.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.170764	28.9	924557.0	0.341527	Y
2	IC 240-522080/4	1.0	0.313689	28.9	940735.0	0.313689	Y
3	IC 240-522080/5	2.5	0.724419	28.9	961407.0	0.289767	Y
4	IC 240-522080/6	6.25	1.646516	28.9	994912.0	0.263443	Y
5	IC 240-522080/7	12.5	3.3964	28.9	1017048.0	0.271712	Y
6	ICIS 240-522080/8	25.0	6.277979	28.9	1111015.0	0.251119	Y
7	IC 240-522080/9	37.5	9.286079	28.9	1108022.0	0.247629	Y
8	IC 240-522080/10	50.0	12.349683	28.9	1112730.0	0.246994	Y
9	IC 240-522080/11	62.5	15.805678	28.9	1121122.0	0.252891	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

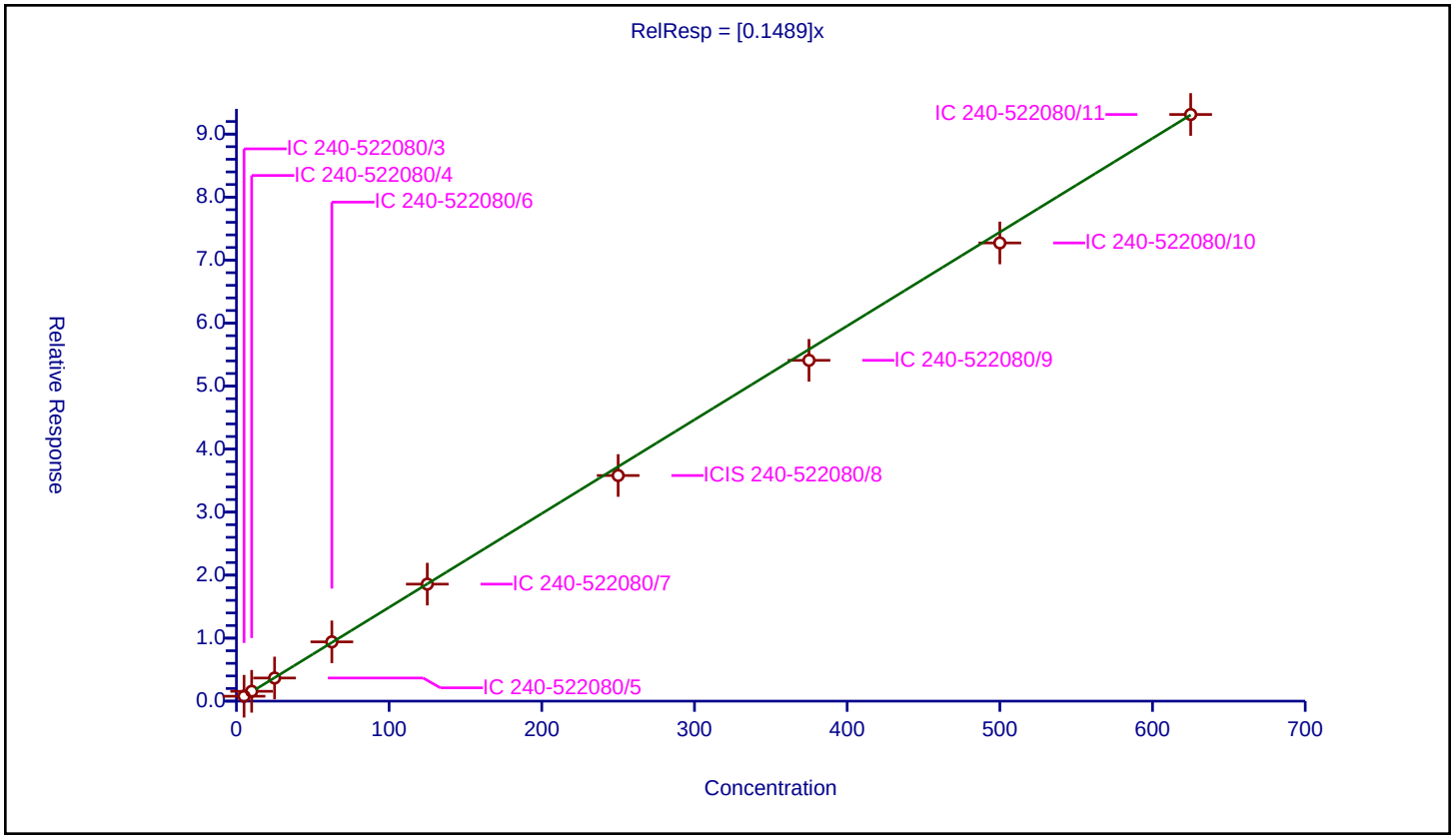
Curve Coefficients

Intercept:	0
Slope:	0.1489

Error Coefficients

Standard Error:	1860000
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	IC 240-522080/3	5.0	0.778892	28.9	924557.0	0.155778	Y
2	IC 240-522080/4	10.0	1.562606	28.9	940735.0	0.156261	Y
3	IC 240-522080/5	25.0	3.67046	28.9	961407.0	0.146818	Y
4	IC 240-522080/6	62.5	9.405938	28.9	994912.0	0.150495	Y
5	IC 240-522080/7	125.0	18.572446	28.9	1017048.0	0.14858	Y
6	ICIS 240-522080/8	250.0	35.811377	28.9	1111015.0	0.143246	Y
7	IC 240-522080/9	375.0	54.093623	28.9	1108022.0	0.14425	Y
8	IC 240-522080/10	500.0	72.72607	28.9	1112730.0	0.145452	Y
9	IC 240-522080/11	625.0	93.113065	28.9	1121122.0	0.148981	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

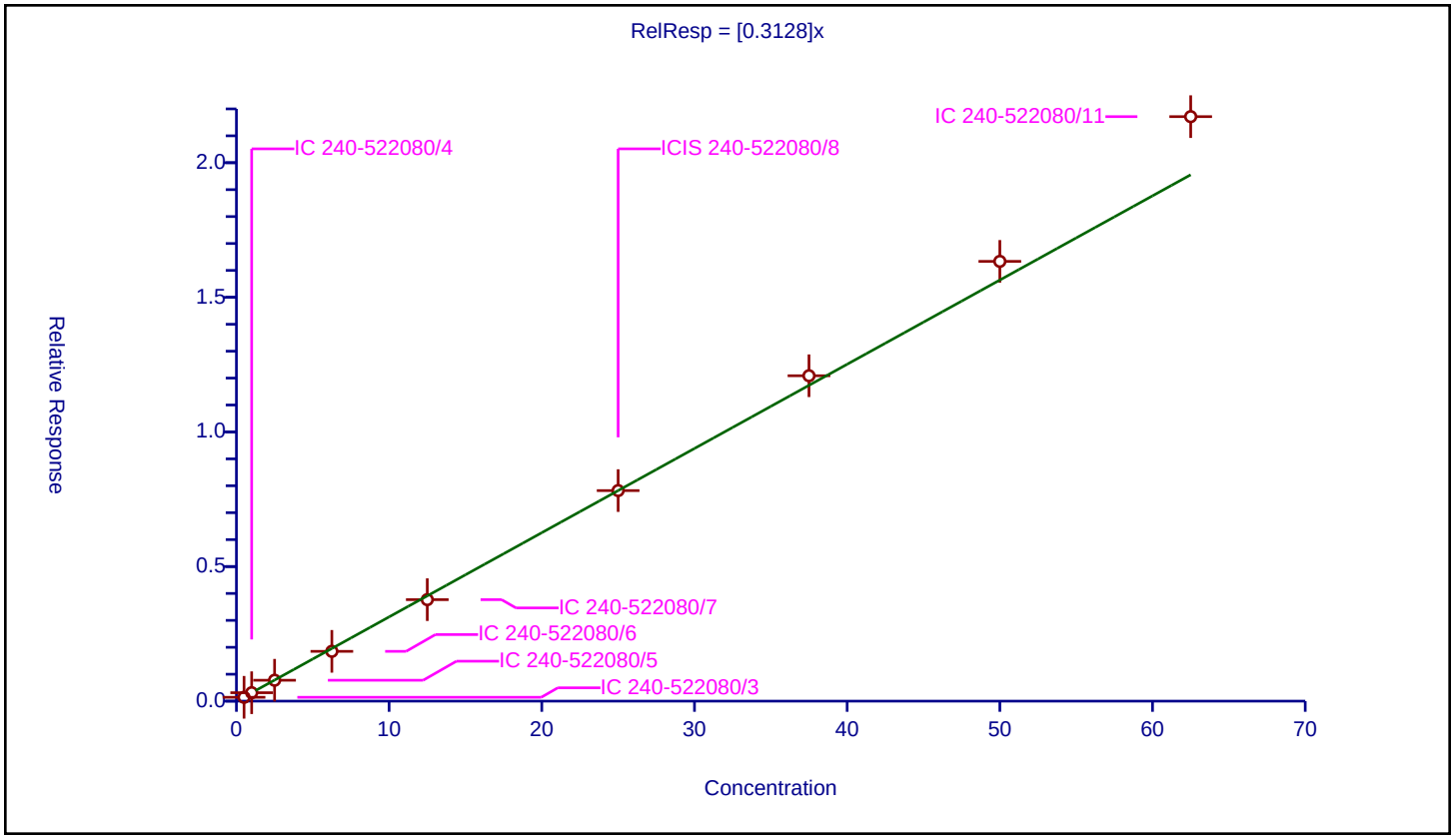
Curve Coefficients

Intercept:	0
Slope:	0.3128

Error Coefficients

Standard Error:	423000
Relative Standard Error:	5.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.142694	28.9	924557.0	0.285387	Y
2	IC 240-522080/4	1.0	0.312982	28.9	940735.0	0.312982	Y
3	IC 240-522080/5	2.5	0.775942	28.9	961407.0	0.310377	Y
4	IC 240-522080/6	6.25	1.849793	28.9	994912.0	0.295967	Y
5	IC 240-522080/7	12.5	3.769922	28.9	1017048.0	0.301594	Y
6	ICIS 240-522080/8	25.0	7.821129	28.9	1111015.0	0.312845	Y
7	IC 240-522080/9	37.5	12.087237	28.9	1108022.0	0.322326	Y
8	IC 240-522080/10	50.0	16.335527	28.9	1112730.0	0.326711	Y
9	IC 240-522080/11	62.5	21.711798	28.9	1121122.0	0.347389	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

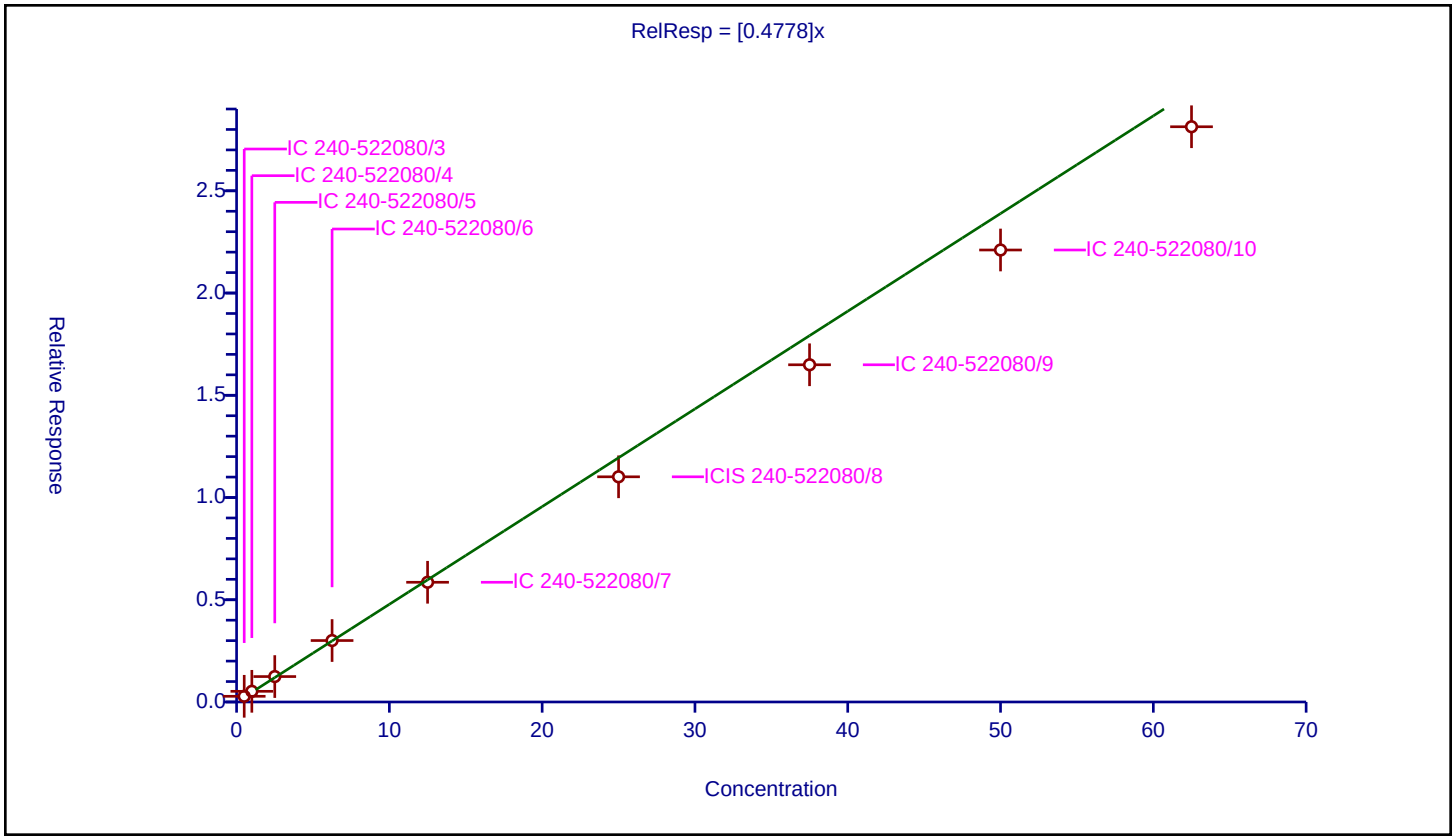
Curve Coefficients

Intercept:	0
Slope:	0.4778

Error Coefficients

Standard Error:	565000
Relative Standard Error:	8.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.278948	28.9	924557.0	0.557897	Y
2	IC 240-522080/4	1.0	0.522589	28.9	940735.0	0.522589	Y
3	IC 240-522080/5	2.5	1.243797	28.9	961407.0	0.497519	Y
4	IC 240-522080/6	6.25	3.005488	28.9	994912.0	0.480878	Y
5	IC 240-522080/7	12.5	5.854744	28.9	1017048.0	0.46838	Y
6	ICIS 240-522080/8	25.0	11.012702	28.9	1111015.0	0.440508	Y
7	IC 240-522080/9	37.5	16.491739	28.9	1108022.0	0.43978	Y
8	IC 240-522080/10	50.0	22.104904	28.9	1112730.0	0.442098	Y
9	IC 240-522080/11	62.5	28.132313	28.9	1121122.0	0.450117	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

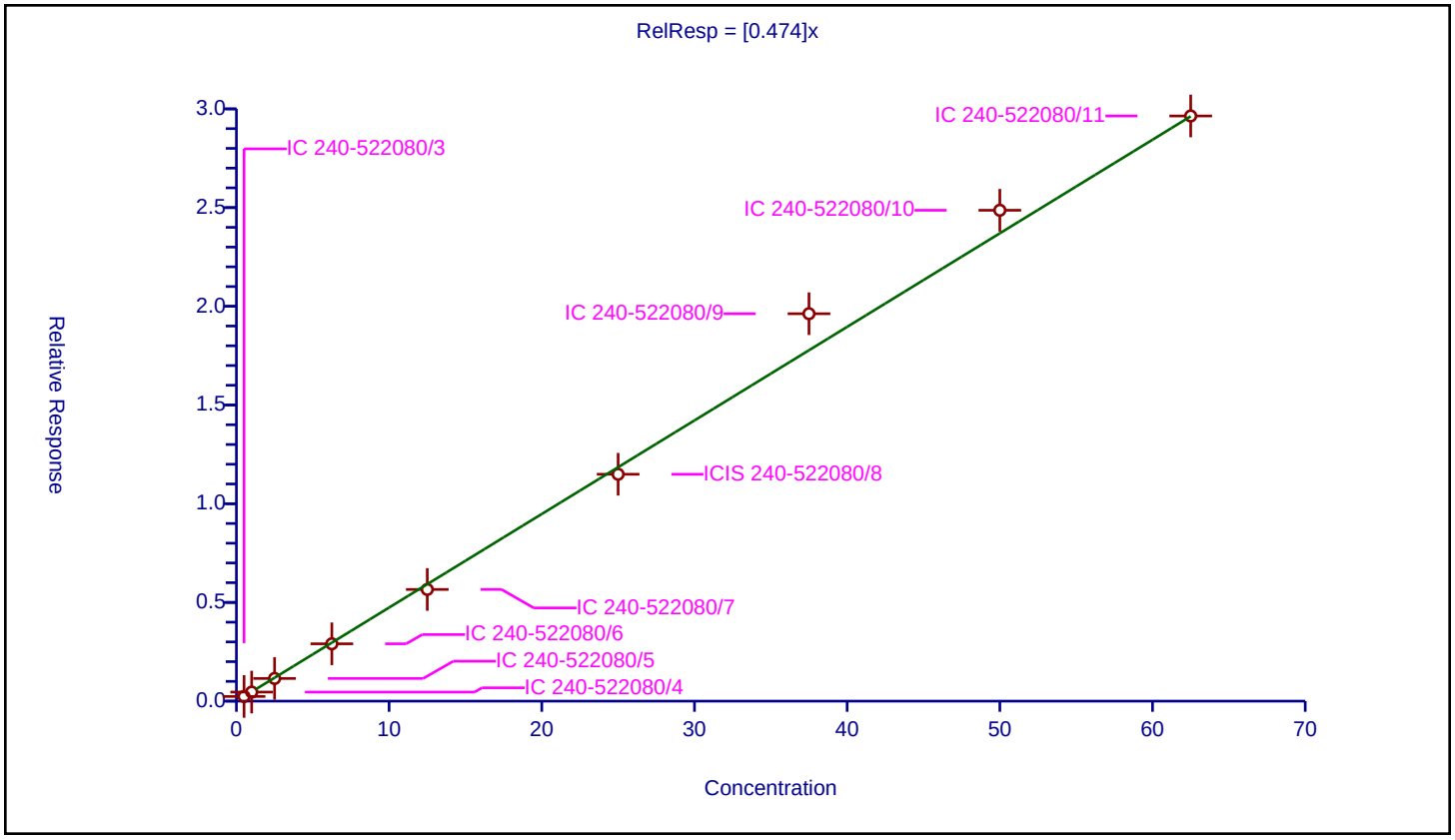
Curve Coefficients

Intercept:	0
Slope:	0.474

Error Coefficients

Standard Error:	618000
Relative Standard Error:	4.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.237437	28.9	924557.0	0.474875	Y
2	IC 240-522080/4	1.0	0.459581	28.9	940735.0	0.459581	Y
3	IC 240-522080/5	2.5	1.148236	28.9	961407.0	0.459294	Y
4	IC 240-522080/6	6.25	2.904518	28.9	994912.0	0.464723	Y
5	IC 240-522080/7	12.5	5.658222	28.9	1017048.0	0.452658	Y
6	ICIS 240-522080/8	25.0	11.492914	28.9	1111015.0	0.459717	Y
7	IC 240-522080/9	37.5	19.625006	28.9	1108022.0	0.523333	Y
8	IC 240-522080/10	50.0	24.865797	28.9	1112730.0	0.497316	Y
9	IC 240-522080/11	62.5	29.640646	28.9	1121122.0	0.47425	Y



Calibration / 2,2-Dichloropropane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

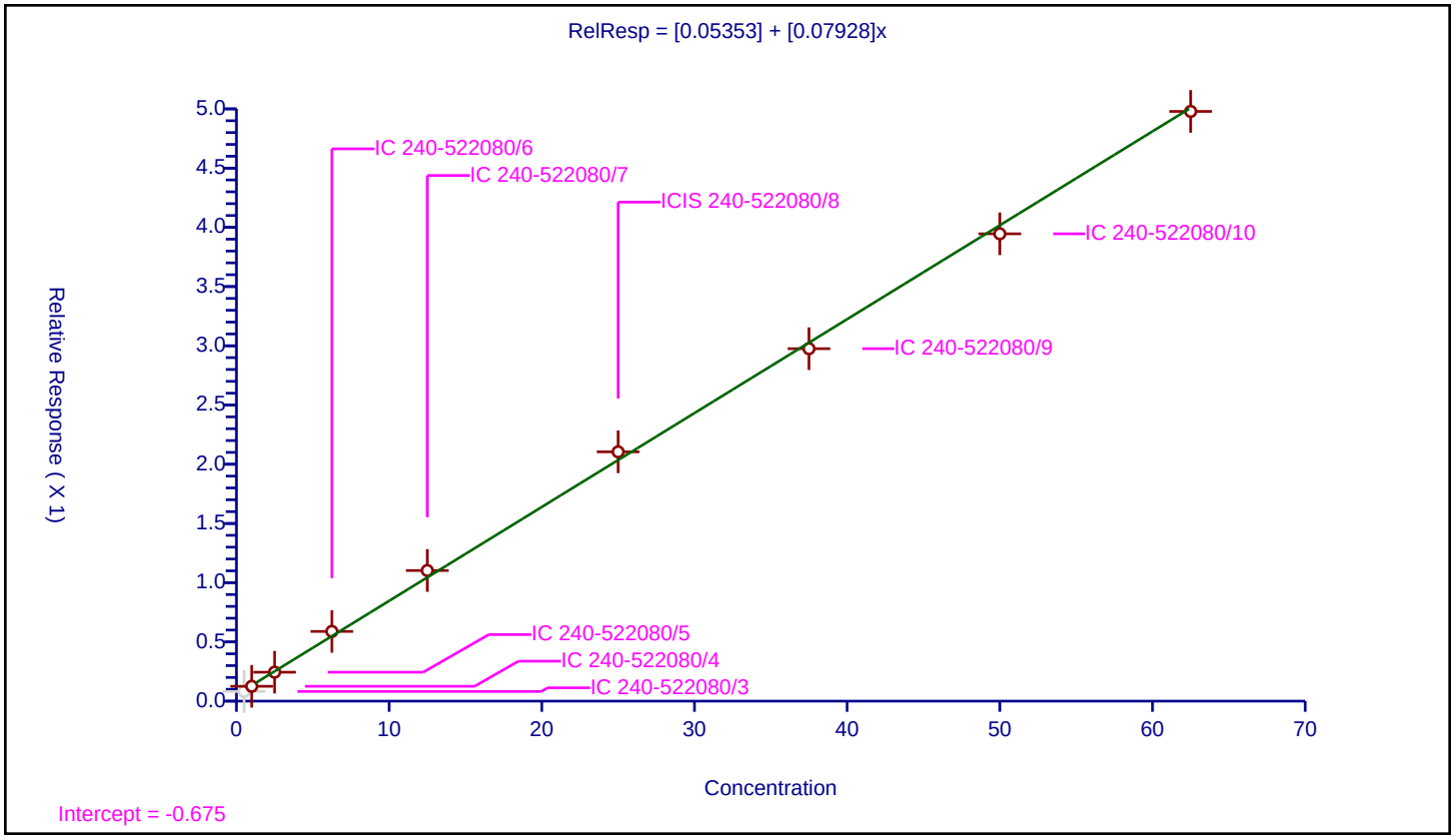
Curve Coefficients

Intercept:	0.05353
Slope:	0.07928

Error Coefficients

Standard Error:	117000
Relative Standard Error:	6.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.081646	28.9	924557.0	0.163293	N
2	IC 240-522080/4	1.0	0.125248	28.9	940735.0	0.125248	Y
3	IC 240-522080/5	2.5	0.244359	28.9	961407.0	0.097743	Y
4	IC 240-522080/6	6.25	0.588537	28.9	994912.0	0.094166	Y
5	IC 240-522080/7	12.5	1.10278	28.9	1017048.0	0.088222	Y
6	ICIS 240-522080/8	25.0	2.104781	28.9	1111015.0	0.084191	Y
7	IC 240-522080/9	37.5	2.975702	28.9	1108022.0	0.079352	Y
8	IC 240-522080/10	50.0	3.945509	28.9	1112730.0	0.07891	Y
9	IC 240-522080/11	62.5	4.978663	28.9	1121122.0	0.079659	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

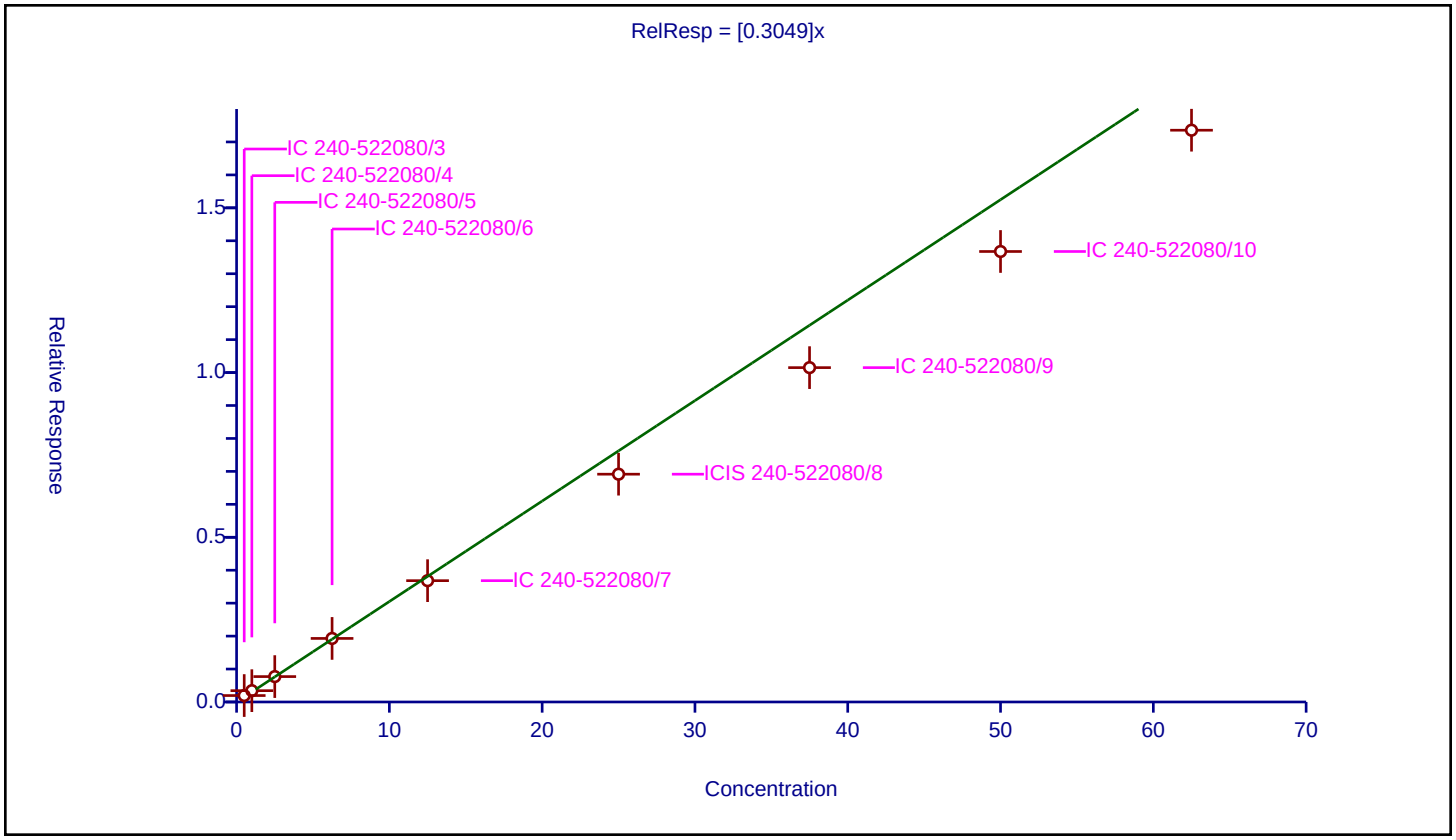
Curve Coefficients

Intercept:	0
Slope:	0.3049

Error Coefficients

Standard Error:	349000
Relative Standard Error:	13.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.195458	28.9	924557.0	0.390915	Y
2	IC 240-522080/4	1.0	0.343396	28.9	940735.0	0.343396	Y
3	IC 240-522080/5	2.5	0.770741	28.9	961407.0	0.308296	Y
4	IC 240-522080/6	6.25	1.929529	28.9	994912.0	0.308725	Y
5	IC 240-522080/7	12.5	3.682658	28.9	1017048.0	0.294613	Y
6	ICIS 240-522080/8	25.0	6.914706	28.9	1111015.0	0.276588	Y
7	IC 240-522080/9	37.5	10.149984	28.9	1108022.0	0.270666	Y
8	IC 240-522080/10	50.0	13.675328	28.9	1112730.0	0.273507	Y
9	IC 240-522080/11	62.5	17.356725	28.9	1121122.0	0.277708	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

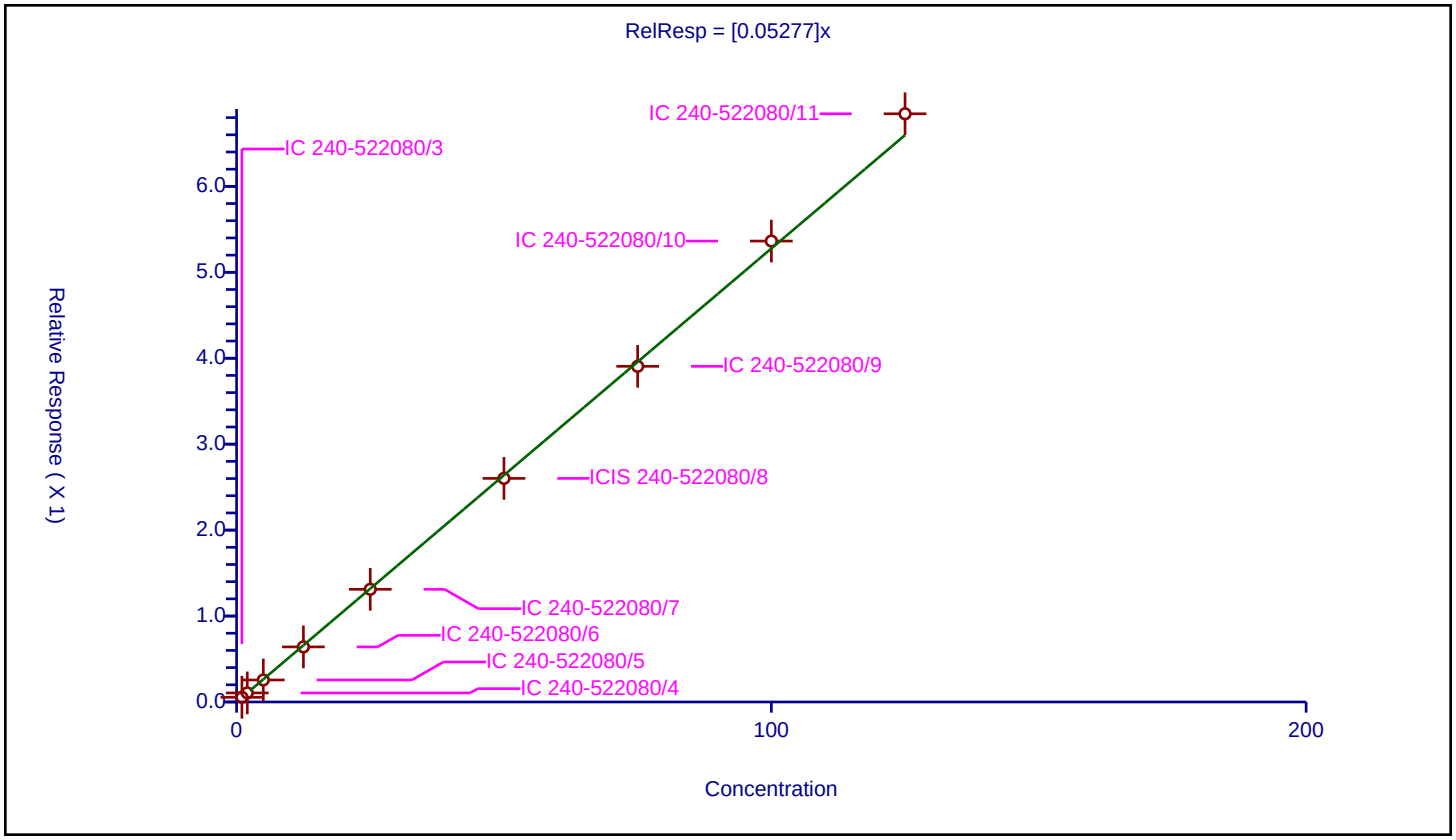
Curve Coefficients

Intercept:	0
Slope:	0.05277

Error Coefficients

Standard Error:	136000
Relative Standard Error:	2.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	1.0	0.054764	28.9	924557.0	0.054764	Y
2	IC 240-522080/4	2.0	0.105464	28.9	940735.0	0.052732	Y
3	IC 240-522080/5	5.0	0.256022	28.9	961407.0	0.051204	Y
4	IC 240-522080/6	12.5	0.64094	28.9	994912.0	0.051275	Y
5	IC 240-522080/7	25.0	1.311322	28.9	1017048.0	0.052453	Y
6	ICIS 240-522080/8	50.0	2.602057	28.9	1111015.0	0.052041	Y
7	IC 240-522080/9	75.0	3.905778	28.9	1108022.0	0.052077	Y
8	IC 240-522080/10	100.0	5.363433	28.9	1112730.0	0.053634	Y
9	IC 240-522080/11	125.0	6.844327	28.9	1121122.0	0.054755	Y



Calibration / Chlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

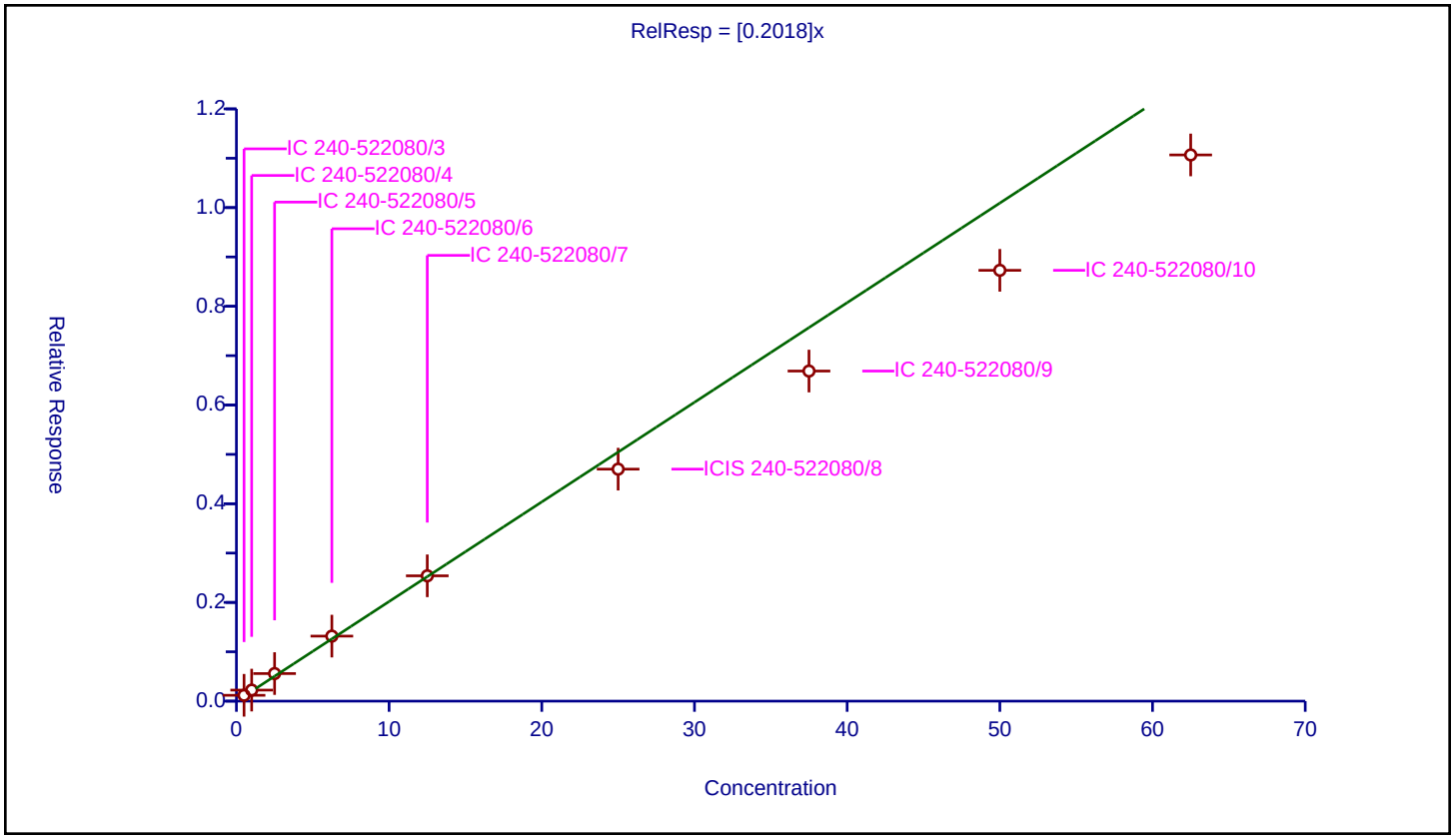
Curve Coefficients

Intercept:	0
Slope:	0.2018

Error Coefficients

Standard Error:	225000
Relative Standard Error:	11.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.118562	28.9	924557.0	0.237125	Y
2	IC 240-522080/4	1.0	0.223739	28.9	940735.0	0.223739	Y
3	IC 240-522080/5	2.5	0.558968	28.9	961407.0	0.223587	Y
4	IC 240-522080/6	6.25	1.317666	28.9	994912.0	0.210827	Y
5	IC 240-522080/7	12.5	2.539556	28.9	1017048.0	0.203165	Y
6	ICIS 240-522080/8	25.0	4.700908	28.9	1111015.0	0.188036	Y
7	IC 240-522080/9	37.5	6.687922	28.9	1108022.0	0.178345	Y
8	IC 240-522080/10	50.0	8.729035	28.9	1112730.0	0.174581	Y
9	IC 240-522080/11	62.5	11.066851	28.9	1121122.0	0.17707	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

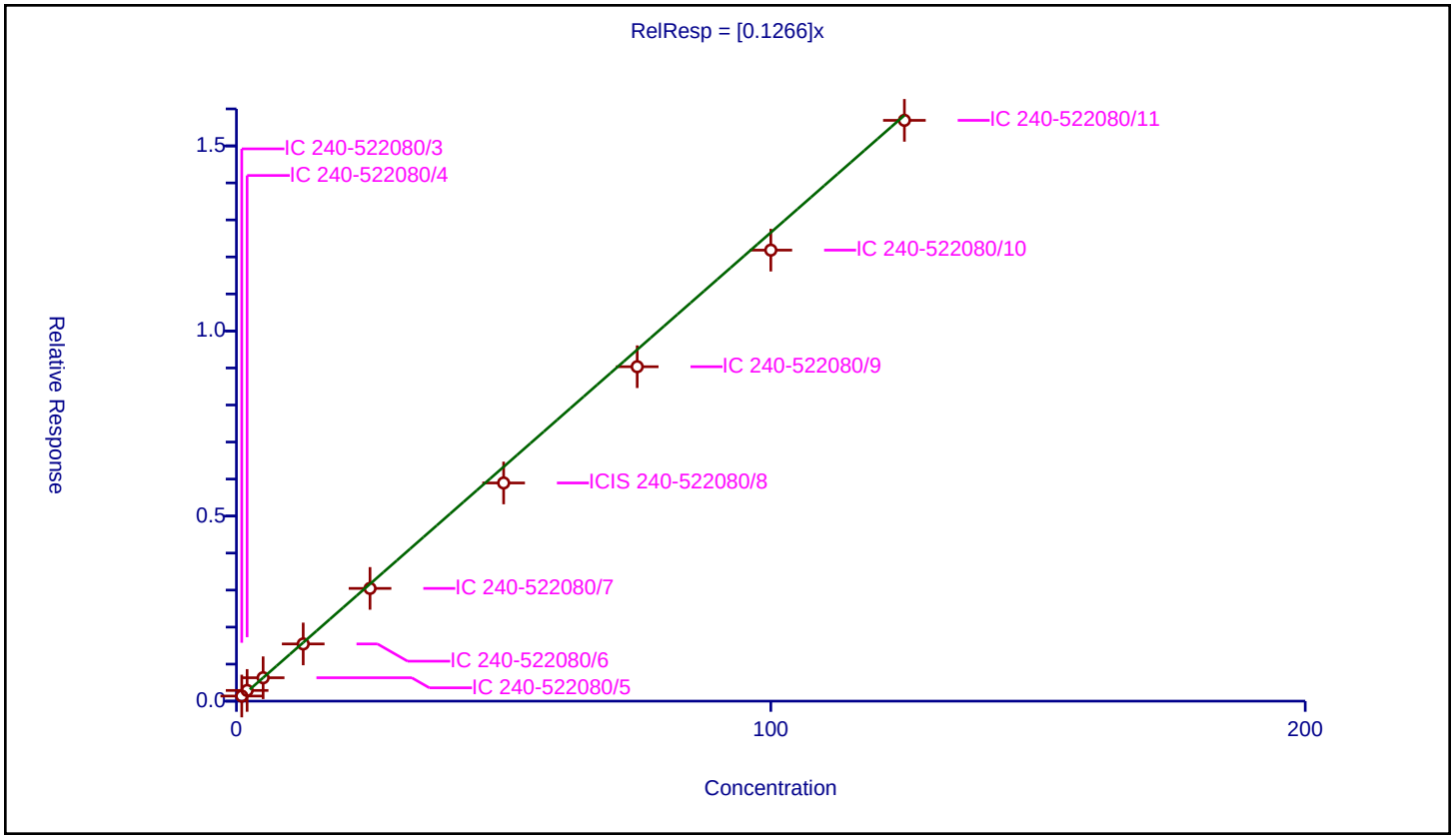
Curve Coefficients

Intercept:	0
Slope:	0.1266

Error Coefficients

Standard Error:	312000
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	IC 240-522080/3	1.0	0.137567	28.9	924557.0	0.137567	Y
2	IC 240-522080/4	2.0	0.288682	28.9	940735.0	0.144341	Y
3	IC 240-522080/5	5.0	0.632044	28.9	961407.0	0.126409	Y
4	IC 240-522080/6	12.5	1.545023	28.9	994912.0	0.123602	Y
5	IC 240-522080/7	25.0	3.045467	28.9	1017048.0	0.121819	Y
6	ICIS 240-522080/8	50.0	5.894324	28.9	1111015.0	0.117886	Y
7	IC 240-522080/9	75.0	9.035035	28.9	1108022.0	0.120467	Y
8	IC 240-522080/10	100.0	12.184527	28.9	1112730.0	0.121845	Y
9	IC 240-522080/11	125.0	15.690503	28.9	1121122.0	0.125524	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

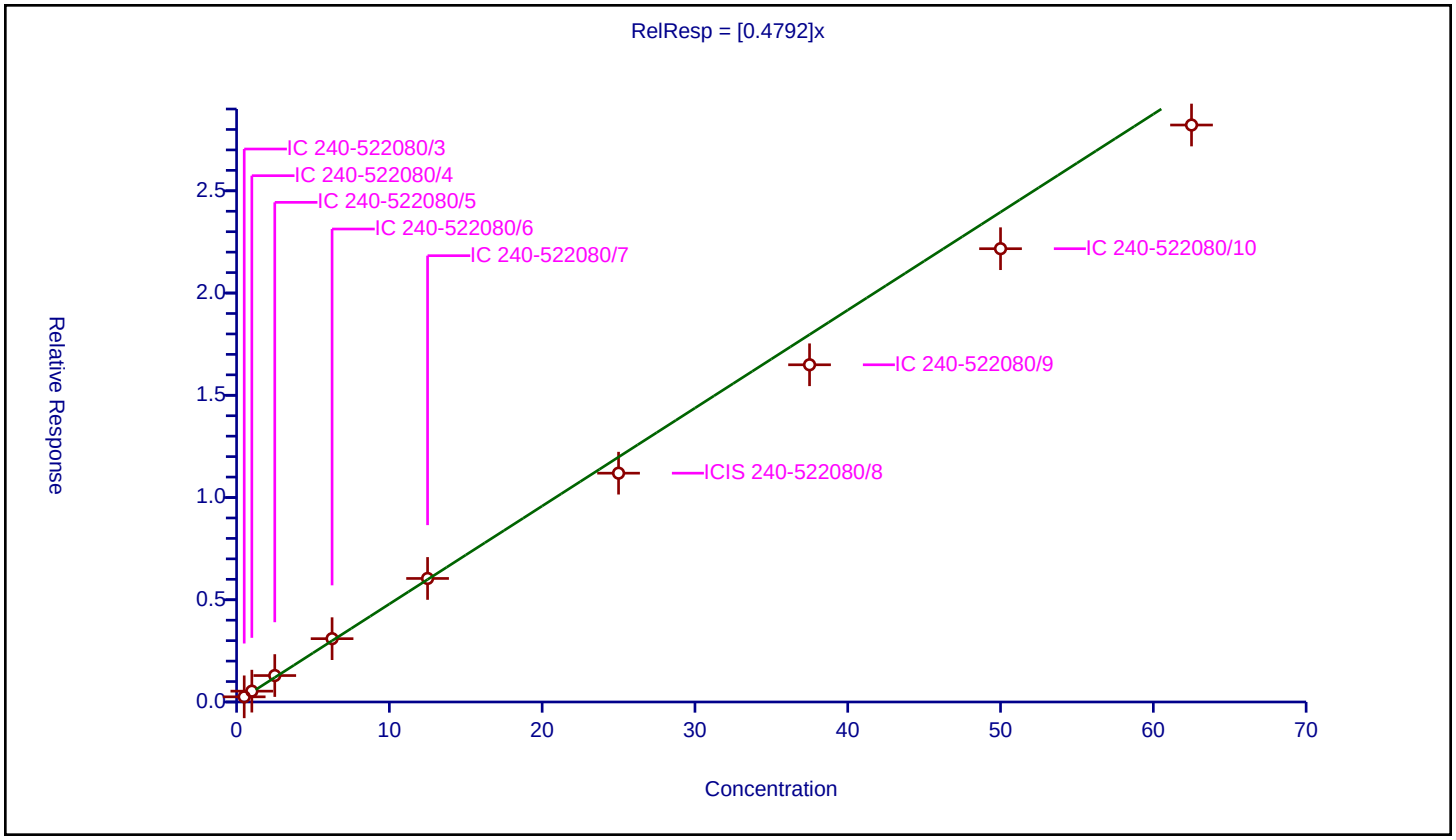
Curve Coefficients

Intercept:	0
Slope:	0.4792

Error Coefficients

Standard Error:	567000
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	IC 240-522080/3	0.5	0.251972	28.9	924557.0	0.503945	Y
2	IC 240-522080/4	1.0	0.529993	28.9	940735.0	0.529993	Y
3	IC 240-522080/5	2.5	1.293697	28.9	961407.0	0.517479	Y
4	IC 240-522080/6	6.25	3.096263	28.9	994912.0	0.495402	Y
5	IC 240-522080/7	12.5	6.041264	28.9	1017048.0	0.483301	Y
6	ICIS 240-522080/8	25.0	11.189976	28.9	1111015.0	0.447599	Y
7	IC 240-522080/9	37.5	16.491844	28.9	1108022.0	0.439782	Y
8	IC 240-522080/10	50.0	22.169029	28.9	1112730.0	0.443381	Y
9	IC 240-522080/11	62.5	28.217483	28.9	1121122.0	0.45148	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

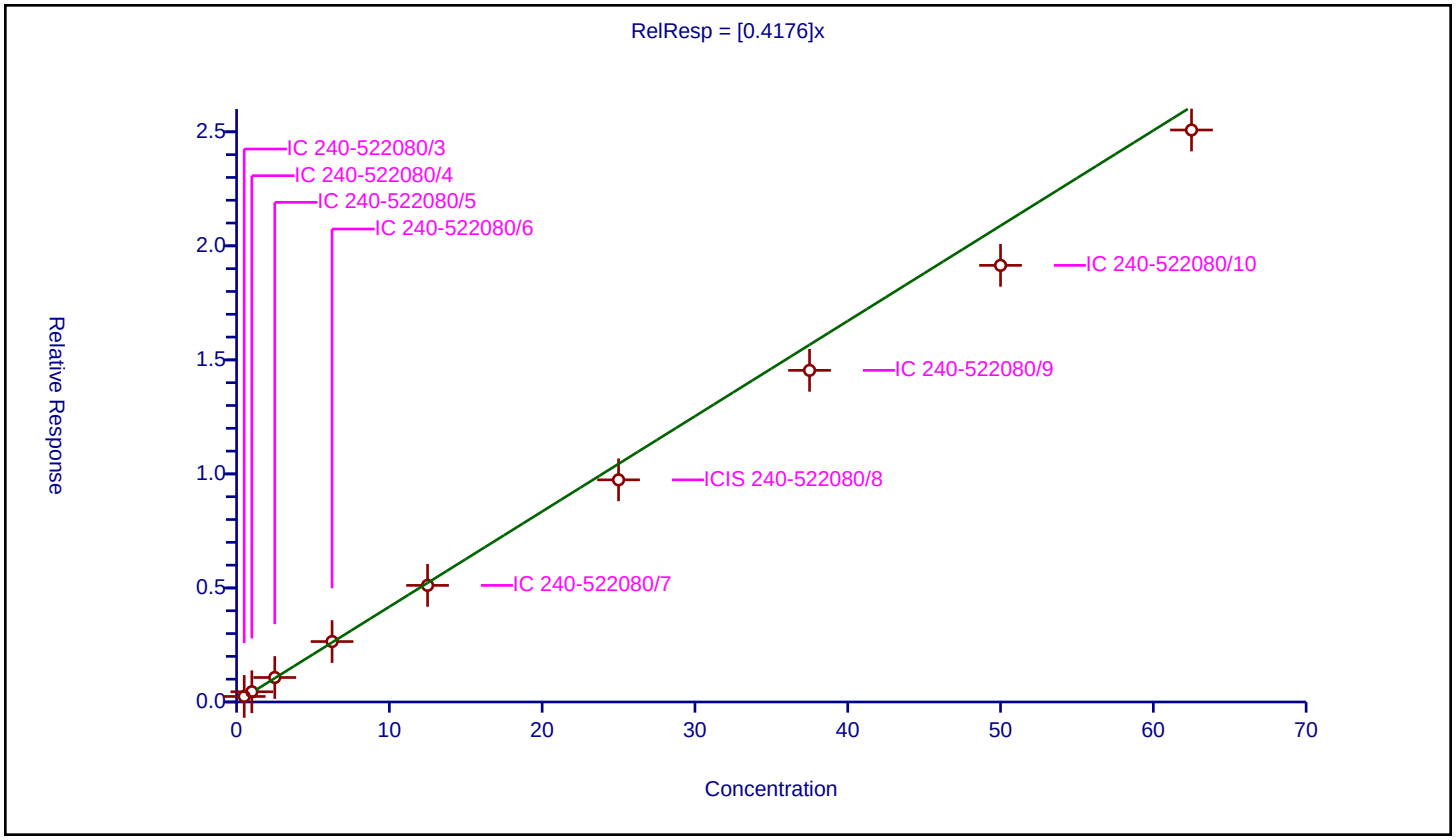
Curve Coefficients

Intercept:	0
Slope:	0.4176

Error Coefficients

Standard Error:	498000
Relative Standard Error:	8.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.243095	28.9	924557.0	0.48619	Y
2	IC 240-522080/4	1.0	0.448614	28.9	940735.0	0.448614	Y
3	IC 240-522080/5	2.5	1.073416	28.9	961407.0	0.429367	Y
4	IC 240-522080/6	6.25	2.650263	28.9	994912.0	0.424042	Y
5	IC 240-522080/7	12.5	5.1127	28.9	1017048.0	0.409016	Y
6	ICIS 240-522080/8	25.0	9.740781	28.9	1111015.0	0.389631	Y
7	IC 240-522080/9	37.5	14.54108	28.9	1108022.0	0.387762	Y
8	IC 240-522080/10	50.0	19.145039	28.9	1112730.0	0.382901	Y
9	IC 240-522080/11	62.5	25.079764	28.9	1121122.0	0.401276	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

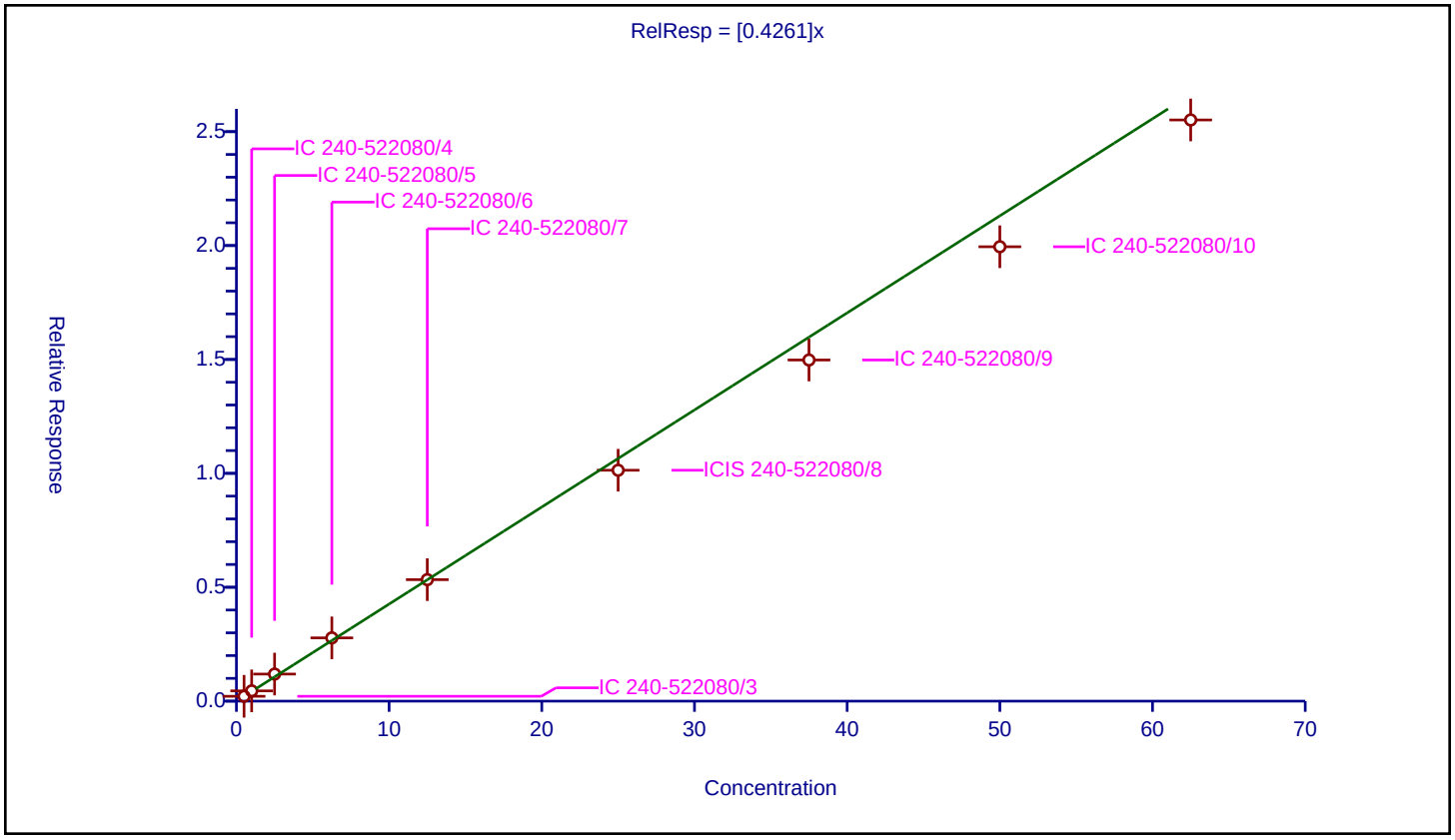
Curve Coefficients

Intercept:	0
Slope:	0.4261

Error Coefficients

Standard Error:	512000
Relative Standard Error:	6.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.212806	28.9	924557.0	0.425612	Y
2	IC 240-522080/4	1.0	0.450672	28.9	940735.0	0.450672	Y
3	IC 240-522080/5	2.5	1.188787	28.9	961407.0	0.475515	Y
4	IC 240-522080/6	6.25	2.777928	28.9	994912.0	0.444468	Y
5	IC 240-522080/7	12.5	5.333063	28.9	1017048.0	0.426645	Y
6	ICIS 240-522080/8	25.0	10.136454	28.9	1111015.0	0.405458	Y
7	IC 240-522080/9	37.5	14.976163	28.9	1108022.0	0.399364	Y
8	IC 240-522080/10	50.0	19.948436	28.9	1112730.0	0.398969	Y
9	IC 240-522080/11	62.5	25.513397	28.9	1121122.0	0.408214	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

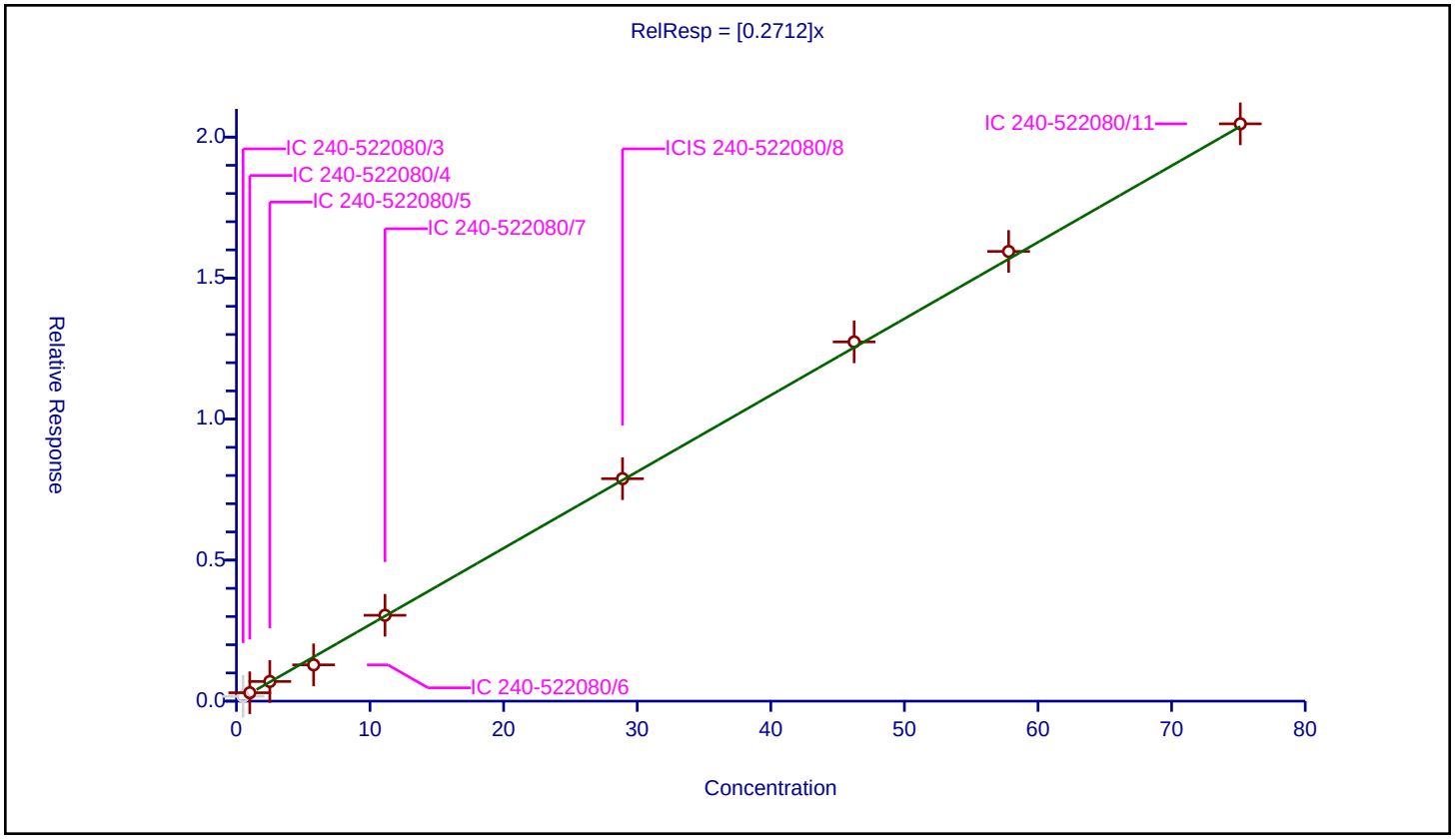
Curve Coefficients

Intercept:	0
Slope:	0.2712

Error Coefficients

Standard Error:	439000
Relative Standard Error:	7.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.171576	28.9	924557.0	0.343153	N
2	IC 240-522080/4	1.0	0.297622	28.9	940735.0	0.297622	Y
3	IC 240-522080/5	2.5	0.697064	28.9	961407.0	0.278826	Y
4	IC 240-522080/6	5.78	1.286411	28.9	994912.0	0.222562	Y
5	IC 240-522080/7	11.12	3.044189	28.9	1017048.0	0.273758	Y
6	ICIS 240-522080/8	28.9	7.888189	28.9	1111015.0	0.272948	Y
7	IC 240-522080/9	46.24	12.738283	28.9	1108022.0	0.275482	Y
8	IC 240-522080/10	57.8	15.946022	28.9	1112730.0	0.275883	Y
9	IC 240-522080/11	75.14	20.469774	28.9	1121122.0	0.272422	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

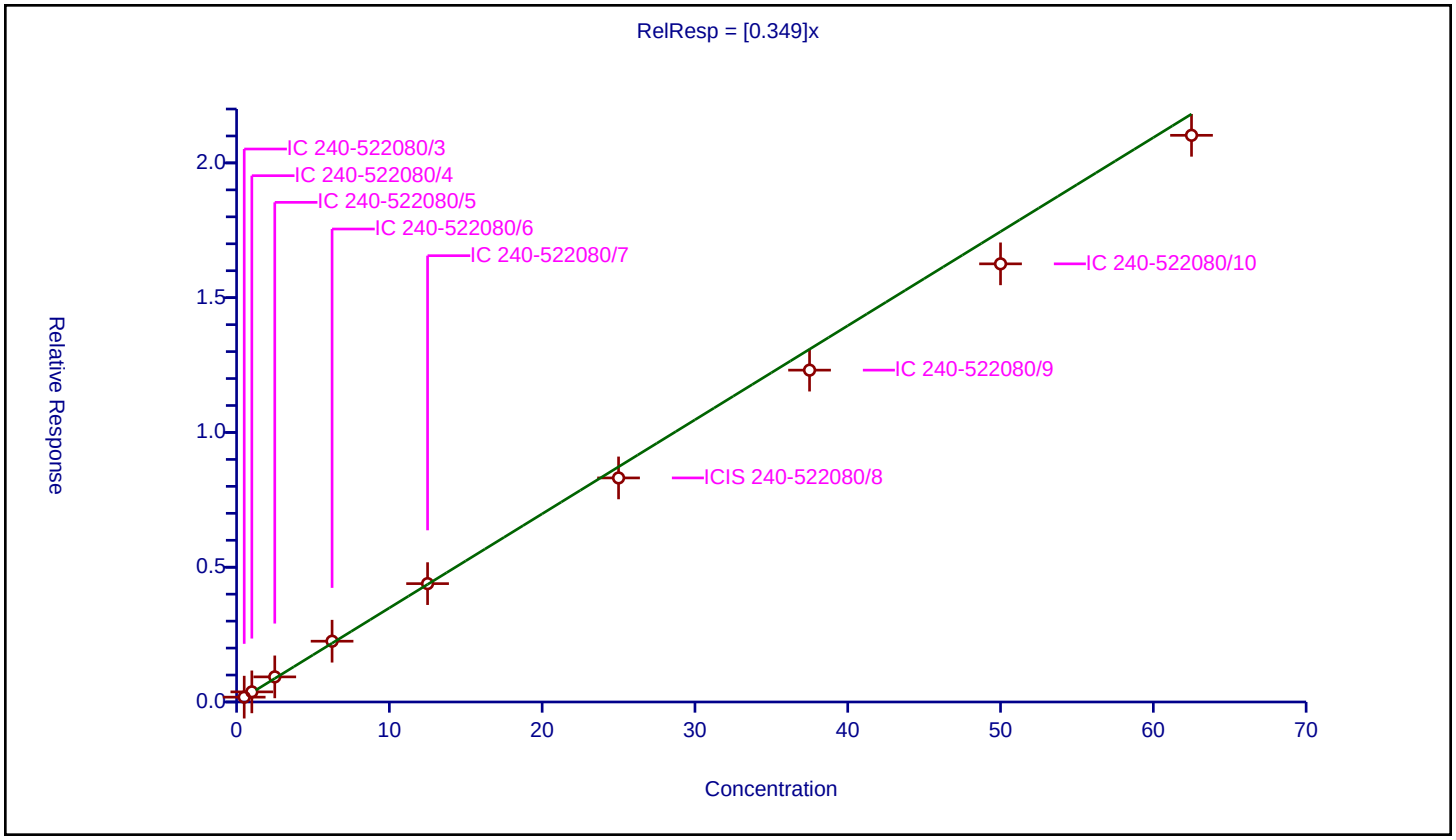
Curve Coefficients

Intercept:	0
Slope:	0.349

Error Coefficients

Standard Error:	420000
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	IC 240-522080/3	0.5	0.179078	28.9	924557.0	0.358157	Y
2	IC 240-522080/4	1.0	0.375929	28.9	940735.0	0.375929	Y
3	IC 240-522080/5	2.5	0.931082	28.9	961407.0	0.372433	Y
4	IC 240-522080/6	6.25	2.255677	28.9	994912.0	0.360908	Y
5	IC 240-522080/7	12.5	4.391371	28.9	1017048.0	0.35131	Y
6	ICIS 240-522080/8	25.0	8.313151	28.9	1111015.0	0.332526	Y
7	IC 240-522080/9	37.5	12.311912	28.9	1108022.0	0.328318	Y
8	IC 240-522080/10	50.0	16.256182	28.9	1112730.0	0.325124	Y
9	IC 240-522080/11	62.5	21.024537	28.9	1121122.0	0.336393	Y



Calibration / 1,1-Dichloropropene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

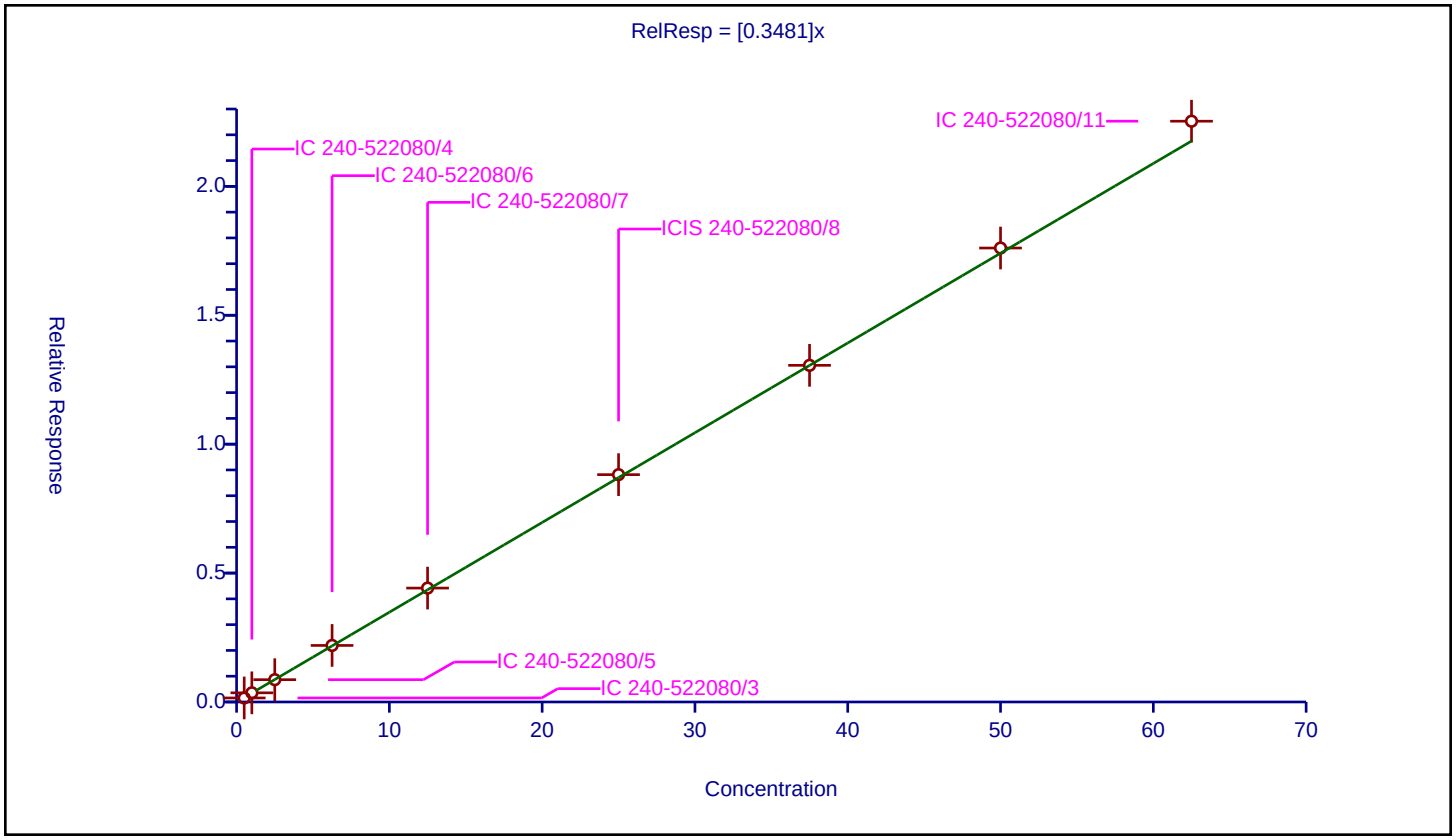
Curve Coefficients

Intercept:	0
Slope:	0.3481

Error Coefficients

Standard Error:	450000
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	IC 240-522080/3	0.5	0.156979	28.9	924557.0	0.313957	Y
2	IC 240-522080/4	1.0	0.355284	28.9	940735.0	0.355284	Y
3	IC 240-522080/5	2.5	0.86513	28.9	961407.0	0.346052	Y
4	IC 240-522080/6	6.25	2.193167	28.9	994912.0	0.350907	Y
5	IC 240-522080/7	12.5	4.418138	28.9	1017048.0	0.353451	Y
6	ICIS 240-522080/8	25.0	8.818257	28.9	1111015.0	0.35273	Y
7	IC 240-522080/9	37.5	13.057611	28.9	1108022.0	0.348203	Y
8	IC 240-522080/10	50.0	17.60824	28.9	1112730.0	0.352165	Y
9	IC 240-522080/11	62.5	22.52689	28.9	1121122.0	0.36043	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

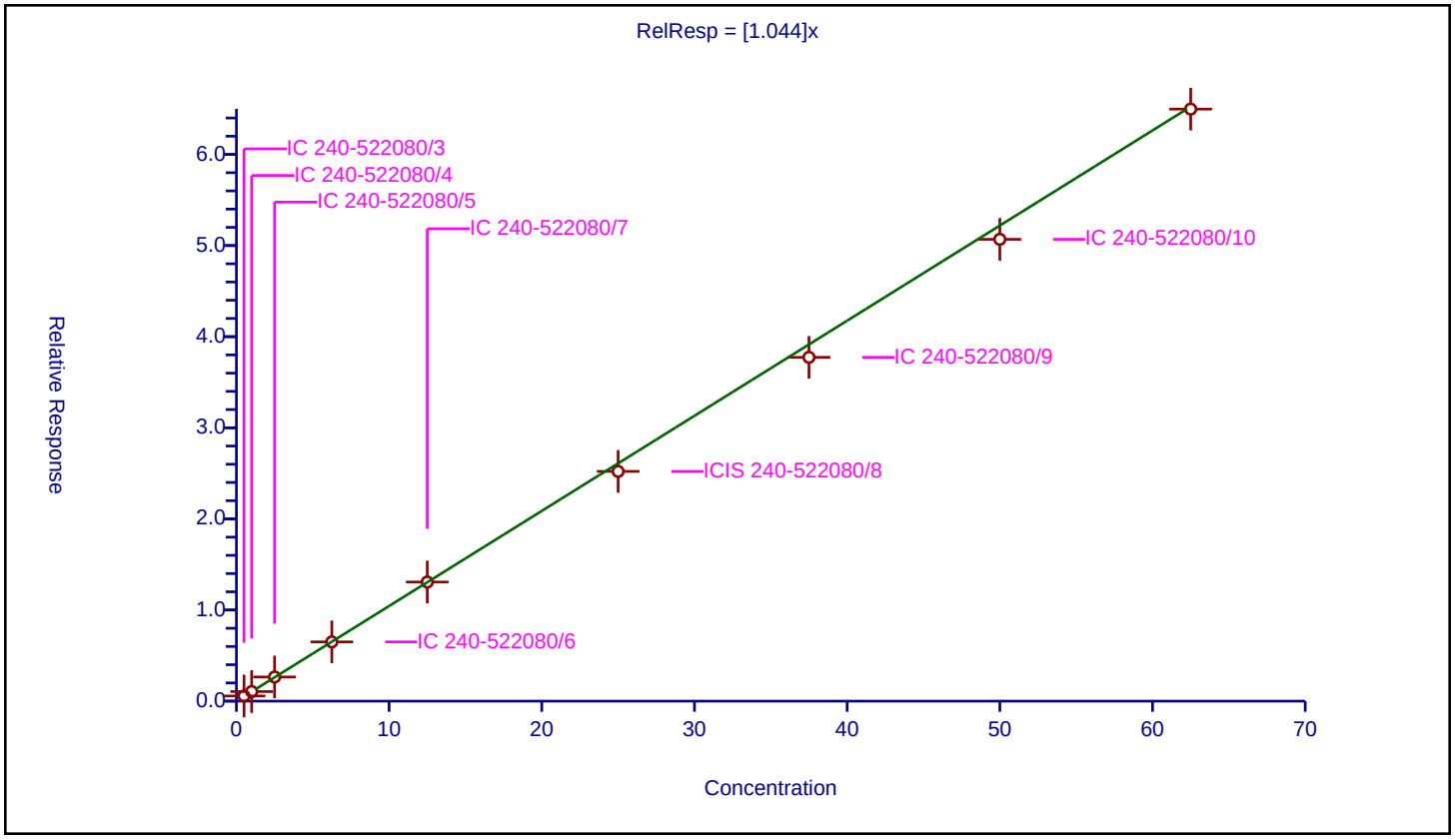
Curve Coefficients

Intercept:	0
Slope:	1.044

Error Coefficients

Standard Error:	1300000
Relative Standard Error:	3.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.564523	28.9	924557.0	1.129047	Y
2	IC 240-522080/4	1.0	1.051138	28.9	940735.0	1.051138	Y
3	IC 240-522080/5	2.5	2.65049	28.9	961407.0	1.060196	Y
4	IC 240-522080/6	6.25	6.503075	28.9	994912.0	1.040492	Y
5	IC 240-522080/7	12.5	13.074146	28.9	1017048.0	1.045932	Y
6	ICIS 240-522080/8	25.0	25.213466	28.9	1111015.0	1.008539	Y
7	IC 240-522080/9	37.5	37.733991	28.9	1108022.0	1.00624	Y
8	IC 240-522080/10	50.0	50.684538	28.9	1112730.0	1.013691	Y
9	IC 240-522080/11	62.5	64.977144	28.9	1121122.0	1.039634	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

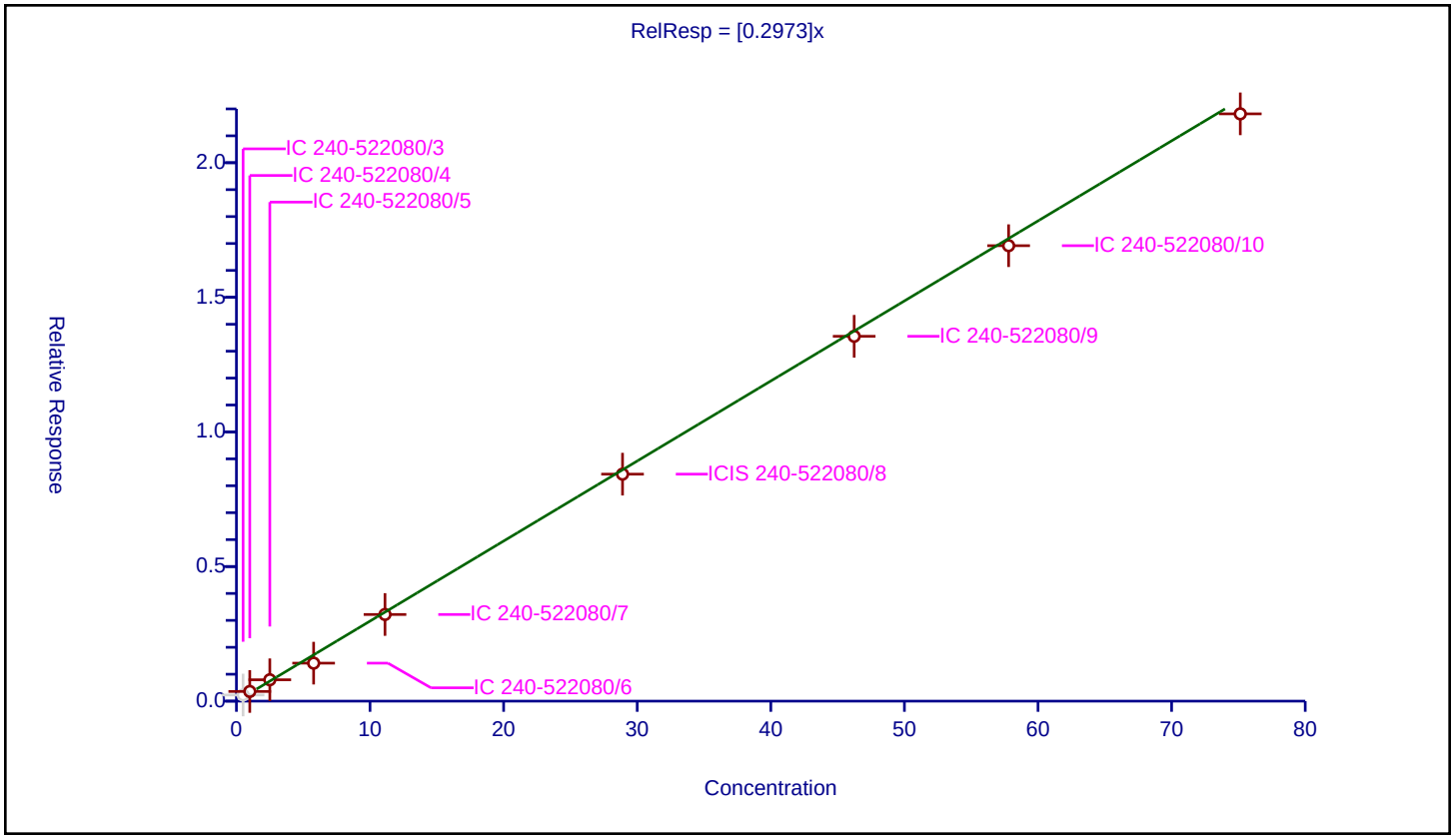
Curve Coefficients

Intercept:	0
Slope:	0.2973

Error Coefficients

Standard Error:	468000
Relative Standard Error:	10.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.227841	28.9	924557.0	0.455682	N
2	IC 240-522080/4	1.0	0.359462	28.9	940735.0	0.359462	Y
3	IC 240-522080/5	2.5	0.793767	28.9	961407.0	0.317507	Y
4	IC 240-522080/6	5.78	1.411461	28.9	994912.0	0.244197	Y
5	IC 240-522080/7	11.12	3.219086	28.9	1017048.0	0.289486	Y
6	ICIS 240-522080/8	28.9	8.432235	28.9	1111015.0	0.291773	Y
7	IC 240-522080/9	46.24	13.553153	28.9	1108022.0	0.293105	Y
8	IC 240-522080/10	57.8	16.918913	28.9	1112730.0	0.292715	Y
9	IC 240-522080/11	75.14	21.815811	28.9	1121122.0	0.290336	Y



Calibration / Isobutyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

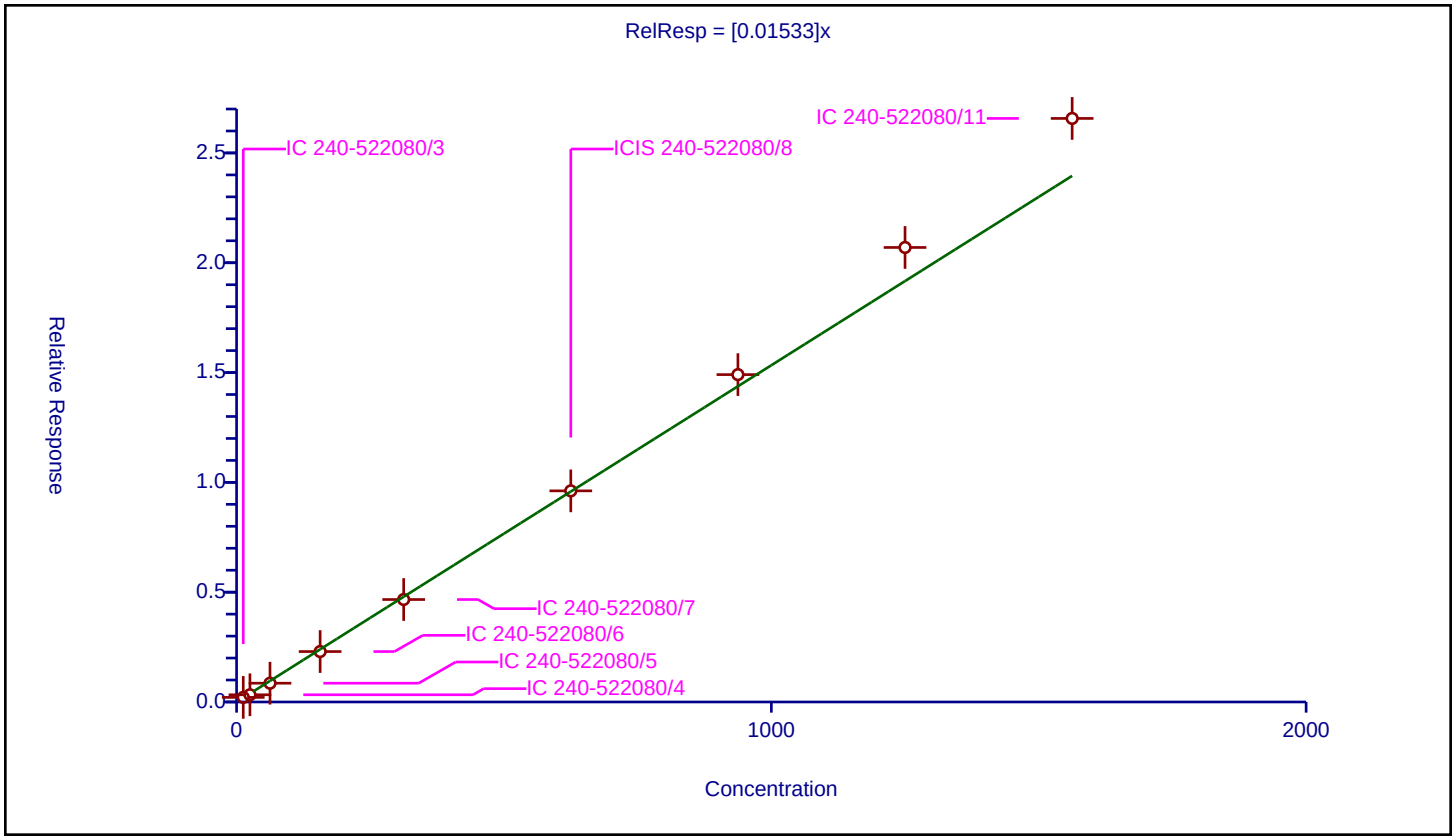
Curve Coefficients

Intercept:	0
Slope:	0.01533

Error Coefficients

Standard Error:	524000
Relative Standard Error:	8.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	12.5	0.208899	28.9	924557.0	0.016712	Y
2	IC 240-522080/4	25.0	0.32822	28.9	940735.0	0.013129	Y
3	IC 240-522080/5	62.5	0.85506	28.9	961407.0	0.013681	Y
4	IC 240-522080/6	156.25	2.29617	28.9	994912.0	0.014695	Y
5	IC 240-522080/7	312.5	4.666093	28.9	1017048.0	0.014931	Y
6	ICIS 240-522080/8	625.0	9.613633	28.9	1111015.0	0.015382	Y
7	IC 240-522080/9	937.5	14.905844	28.9	1108022.0	0.0159	Y
8	IC 240-522080/10	1250.0	20.695551	28.9	1112730.0	0.016556	Y
9	IC 240-522080/11	1562.5	26.57098	28.9	1121122.0	0.017005	Y



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

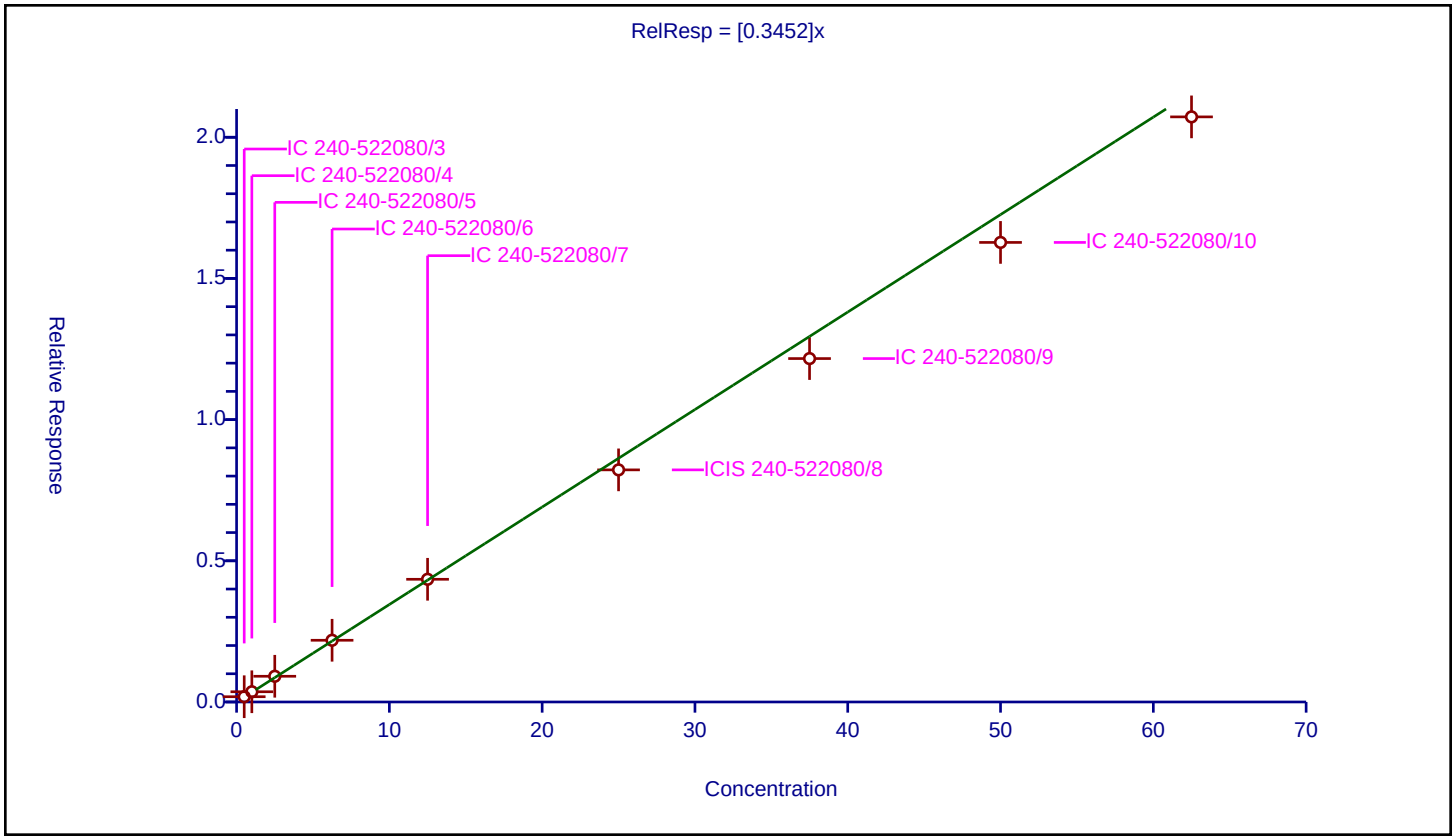
Curve Coefficients

Intercept:	0
Slope:	0.3452

Error Coefficients

Standard Error:	416000
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	IC 240-522080/3	0.5	0.186487	28.9	924557.0	0.372973	Y
2	IC 240-522080/4	1.0	0.362104	28.9	940735.0	0.362104	Y
3	IC 240-522080/5	2.5	0.910551	28.9	961407.0	0.36422	Y
4	IC 240-522080/6	6.25	2.186137	28.9	994912.0	0.349782	Y
5	IC 240-522080/7	12.5	4.345196	28.9	1017048.0	0.347616	Y
6	ICIS 240-522080/8	25.0	8.220677	28.9	1111015.0	0.328827	Y
7	IC 240-522080/9	37.5	12.162172	28.9	1108022.0	0.324325	Y
8	IC 240-522080/10	50.0	16.275583	28.9	1112730.0	0.325512	Y
9	IC 240-522080/11	62.5	20.721262	28.9	1121122.0	0.33154	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

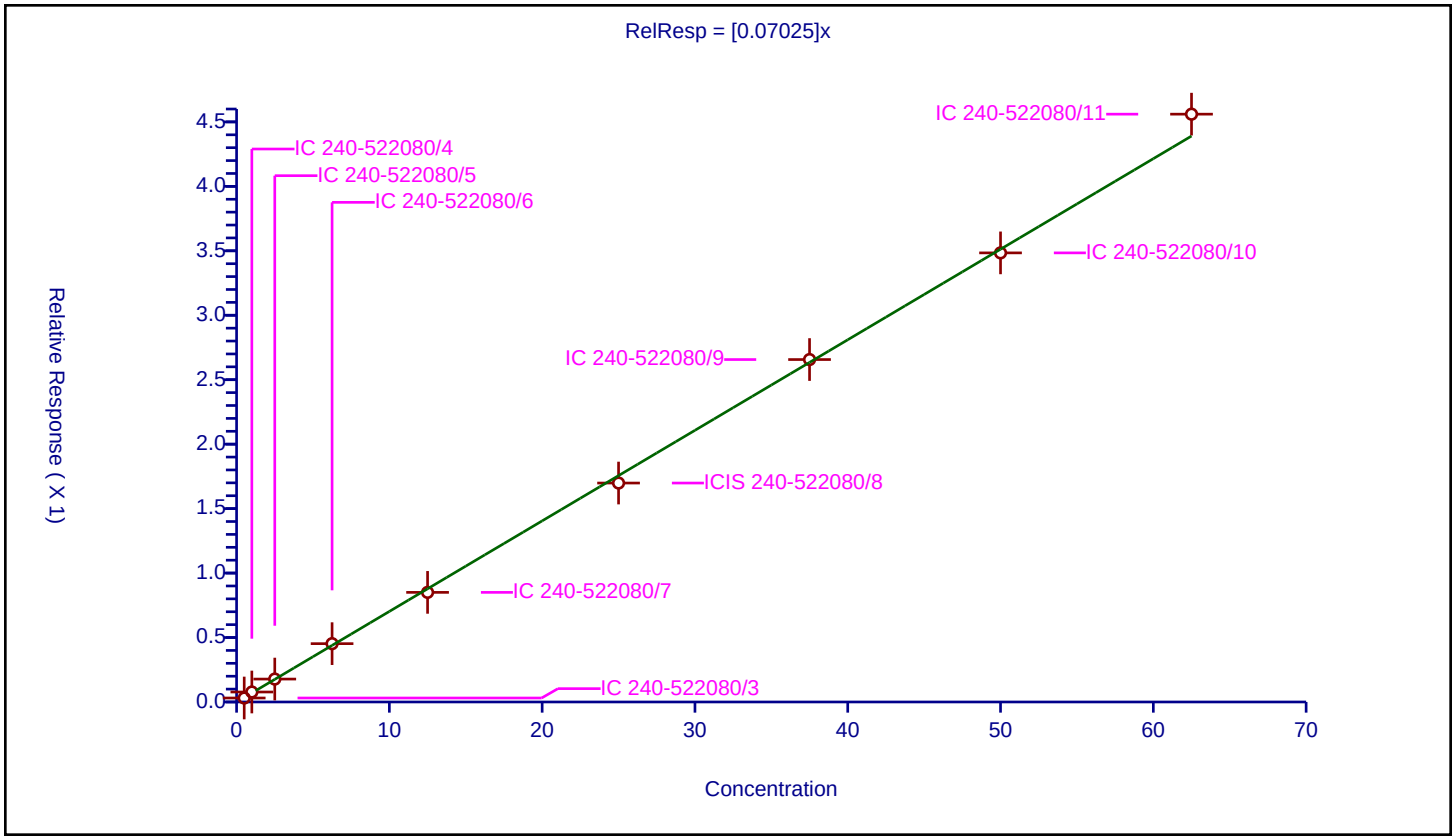
Curve Coefficients

Intercept:	0
Slope:	0.07025

Error Coefficients

Standard Error:	90200
Relative Standard Error:	6.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.030883	28.9	924557.0	0.061766	Y
2	IC 240-522080/4	1.0	0.077447	28.9	940735.0	0.077447	Y
3	IC 240-522080/5	2.5	0.177896	28.9	961407.0	0.071158	Y
4	IC 240-522080/6	6.25	0.452478	28.9	994912.0	0.072396	Y
5	IC 240-522080/7	12.5	0.850364	28.9	1017048.0	0.068029	Y
6	ICIS 240-522080/8	25.0	1.698496	28.9	1111015.0	0.06794	Y
7	IC 240-522080/9	37.5	2.656556	28.9	1108022.0	0.070842	Y
8	IC 240-522080/10	50.0	3.483931	28.9	1112730.0	0.069679	Y
9	IC 240-522080/11	62.5	4.560006	28.9	1121122.0	0.07296	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

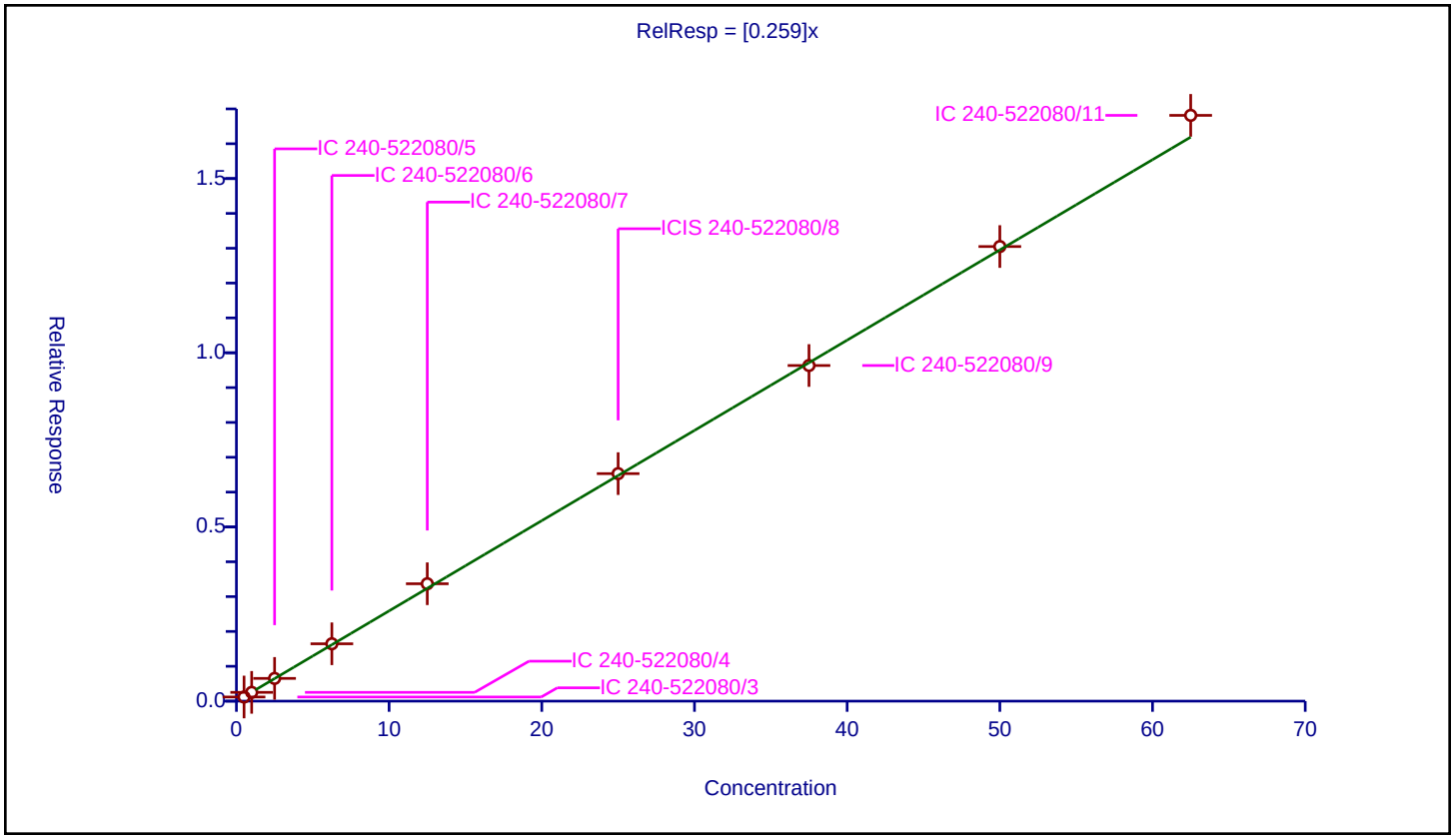
Curve Coefficients

Intercept:	0
Slope:	0.259

Error Coefficients

Standard Error:	335000
Relative Standard Error:	3.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.118656	28.9	924557.0	0.237312	Y
2	IC 240-522080/4	1.0	0.252002	28.9	940735.0	0.252002	Y
3	IC 240-522080/5	2.5	0.652214	28.9	961407.0	0.260886	Y
4	IC 240-522080/6	6.25	1.646487	28.9	994912.0	0.263438	Y
5	IC 240-522080/7	12.5	3.369774	28.9	1017048.0	0.269582	Y
6	ICIS 240-522080/8	25.0	6.530818	28.9	1111015.0	0.261233	Y
7	IC 240-522080/9	37.5	9.633707	28.9	1108022.0	0.256899	Y
8	IC 240-522080/10	50.0	13.049062	28.9	1112730.0	0.260981	Y
9	IC 240-522080/11	62.5	16.814593	28.9	1121122.0	0.269033	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

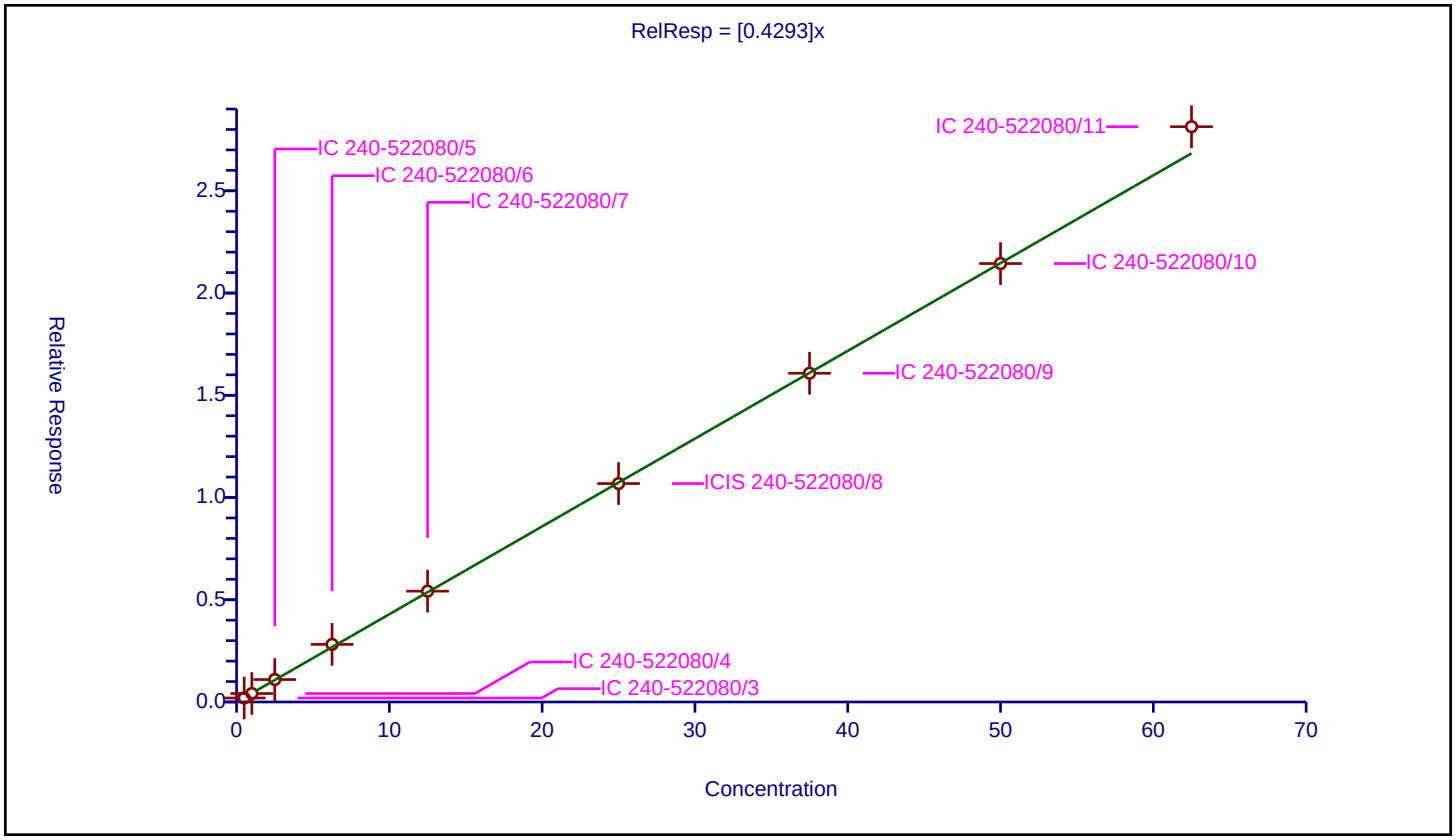
Curve Coefficients

Intercept:	0
Slope:	0.4293

Error Coefficients

Standard Error:	556000
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	IC 240-522080/3	0.5	0.195489	28.9	924557.0	0.390978	Y
2	IC 240-522080/4	1.0	0.414268	28.9	940735.0	0.414268	Y
3	IC 240-522080/5	2.5	1.097525	28.9	961407.0	0.43901	Y
4	IC 240-522080/6	6.25	2.815806	28.9	994912.0	0.450529	Y
5	IC 240-522080/7	12.5	5.420867	28.9	1017048.0	0.433669	Y
6	ICIS 240-522080/8	25.0	10.682997	28.9	1111015.0	0.42732	Y
7	IC 240-522080/9	37.5	16.077314	28.9	1108022.0	0.428728	Y
8	IC 240-522080/10	50.0	21.442666	28.9	1112730.0	0.428853	Y
9	IC 240-522080/11	62.5	28.135716	28.9	1121122.0	0.450171	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

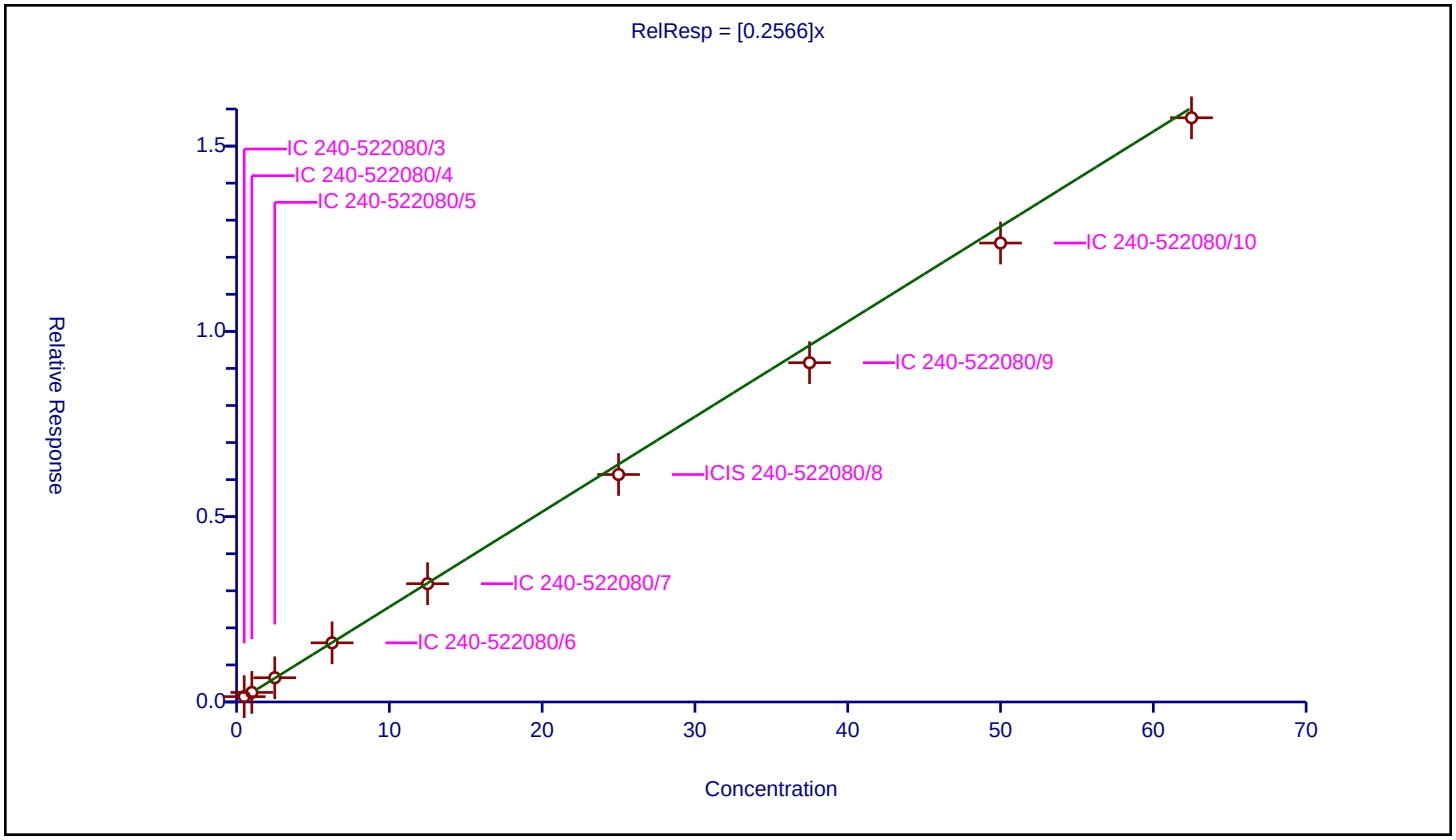
Curve Coefficients

Intercept:	0
Slope:	0.2566

Error Coefficients

Standard Error:	316000
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	IC 240-522080/3	0.5	0.144413	28.9	924557.0	0.288826	Y
2	IC 240-522080/4	1.0	0.258176	28.9	940735.0	0.258176	Y
3	IC 240-522080/5	2.5	0.654228	28.9	961407.0	0.261691	Y
4	IC 240-522080/6	6.25	1.596641	28.9	994912.0	0.255463	Y
5	IC 240-522080/7	12.5	3.192006	28.9	1017048.0	0.255361	Y
6	ICIS 240-522080/8	25.0	6.137955	28.9	1111015.0	0.245518	Y
7	IC 240-522080/9	37.5	9.154832	28.9	1108022.0	0.244129	Y
8	IC 240-522080/10	50.0	12.383629	28.9	1112730.0	0.247673	Y
9	IC 240-522080/11	62.5	15.764046	28.9	1121122.0	0.252225	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

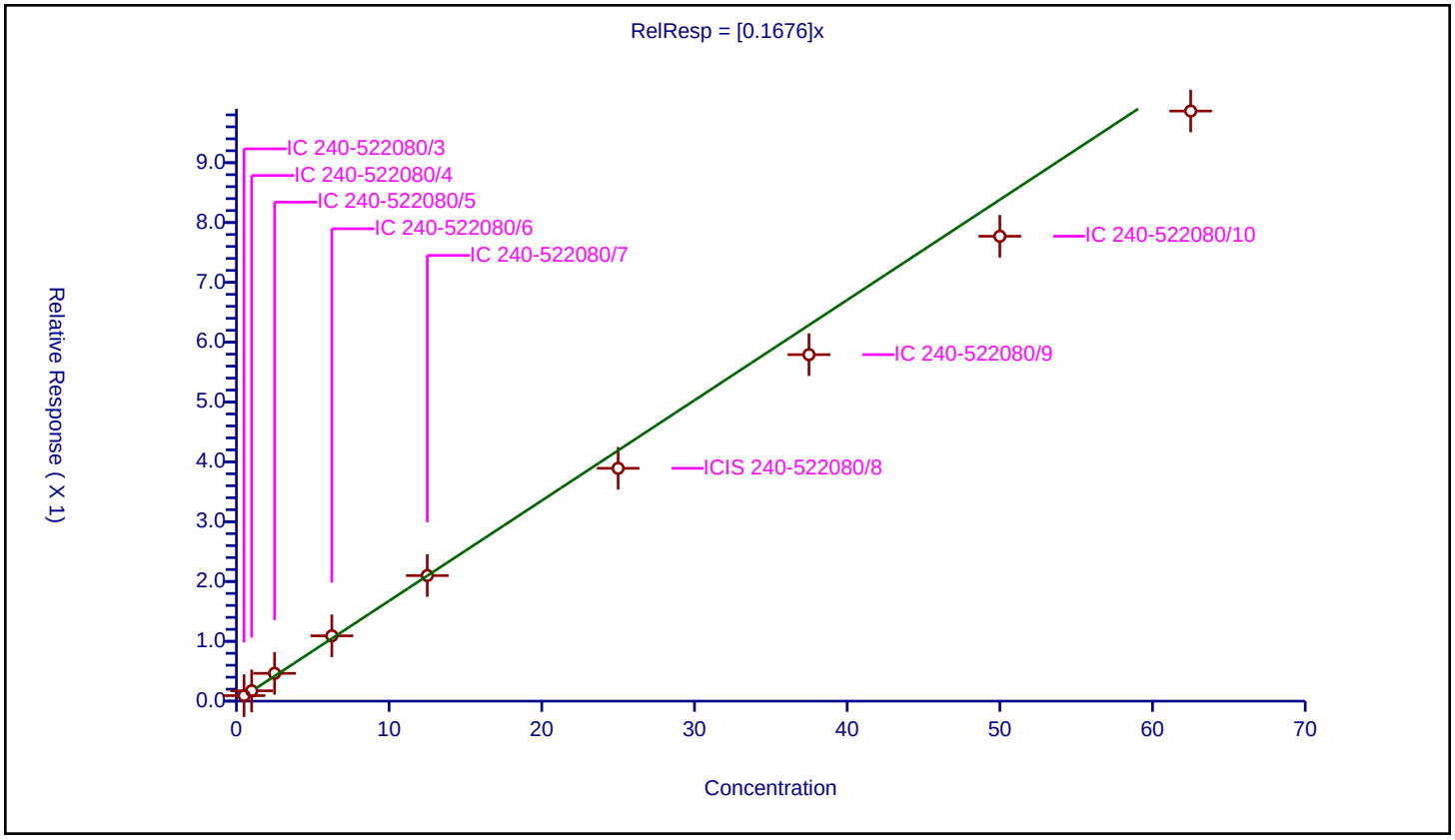
Curve Coefficients

Intercept:	0
Slope:	0.1676

Error Coefficients

Standard Error:	198000
Relative Standard Error:	7.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.092087	28.9	924557.0	0.184173	Y
2	IC 240-522080/4	1.0	0.172712	28.9	940735.0	0.172712	Y
3	IC 240-522080/5	2.5	0.464489	28.9	961407.0	0.185796	Y
4	IC 240-522080/6	6.25	1.091878	28.9	994912.0	0.1747	Y
5	IC 240-522080/7	12.5	2.099456	28.9	1017048.0	0.167956	Y
6	ICIS 240-522080/8	25.0	3.892395	28.9	1111015.0	0.155696	Y
7	IC 240-522080/9	37.5	5.791961	28.9	1108022.0	0.154452	Y
8	IC 240-522080/10	50.0	7.770974	28.9	1112730.0	0.155419	Y
9	IC 240-522080/11	62.5	9.863829	28.9	1121122.0	0.157821	Y



Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

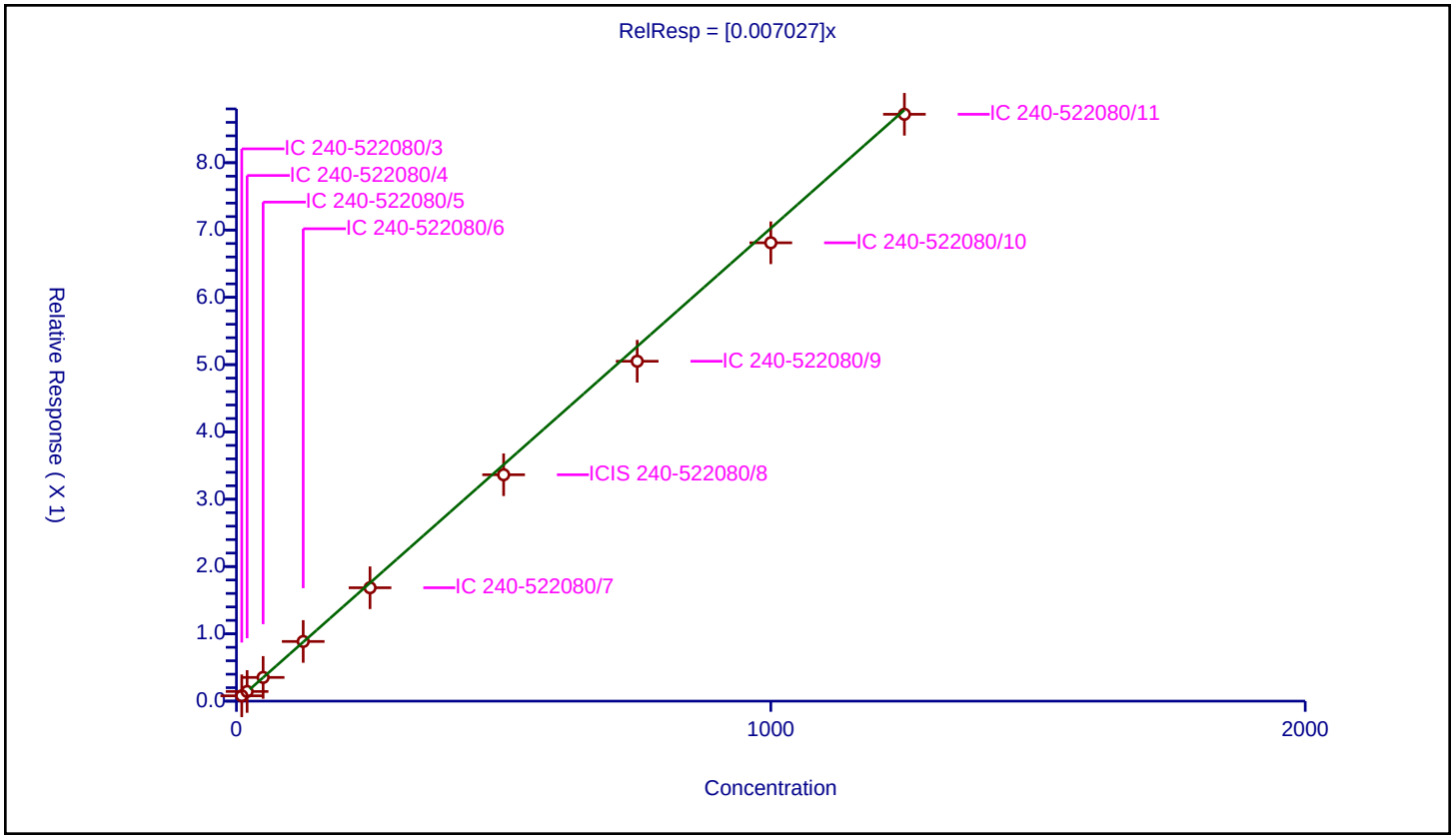
Curve Coefficients

Intercept:	0
Slope:	0.007027

Error Coefficients

Standard Error:	174000
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	IC 240-522080/3	10.0	0.079333	28.9	924557.0	0.007933	Y
2	IC 240-522080/4	20.0	0.143588	28.9	940735.0	0.007179	Y
3	IC 240-522080/5	50.0	0.352545	28.9	961407.0	0.007051	Y
4	IC 240-522080/6	125.0	0.88651	28.9	994912.0	0.007092	Y
5	IC 240-522080/7	250.0	1.684958	28.9	1017048.0	0.00674	Y
6	ICIS 240-522080/8	500.0	3.364034	28.9	1111015.0	0.006728	Y
7	IC 240-522080/9	750.0	5.050436	28.9	1108022.0	0.006734	Y
8	IC 240-522080/10	1000.0	6.810471	28.9	1112730.0	0.00681	Y
9	IC 240-522080/11	1250.0	8.720071	28.9	1121122.0	0.006976	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

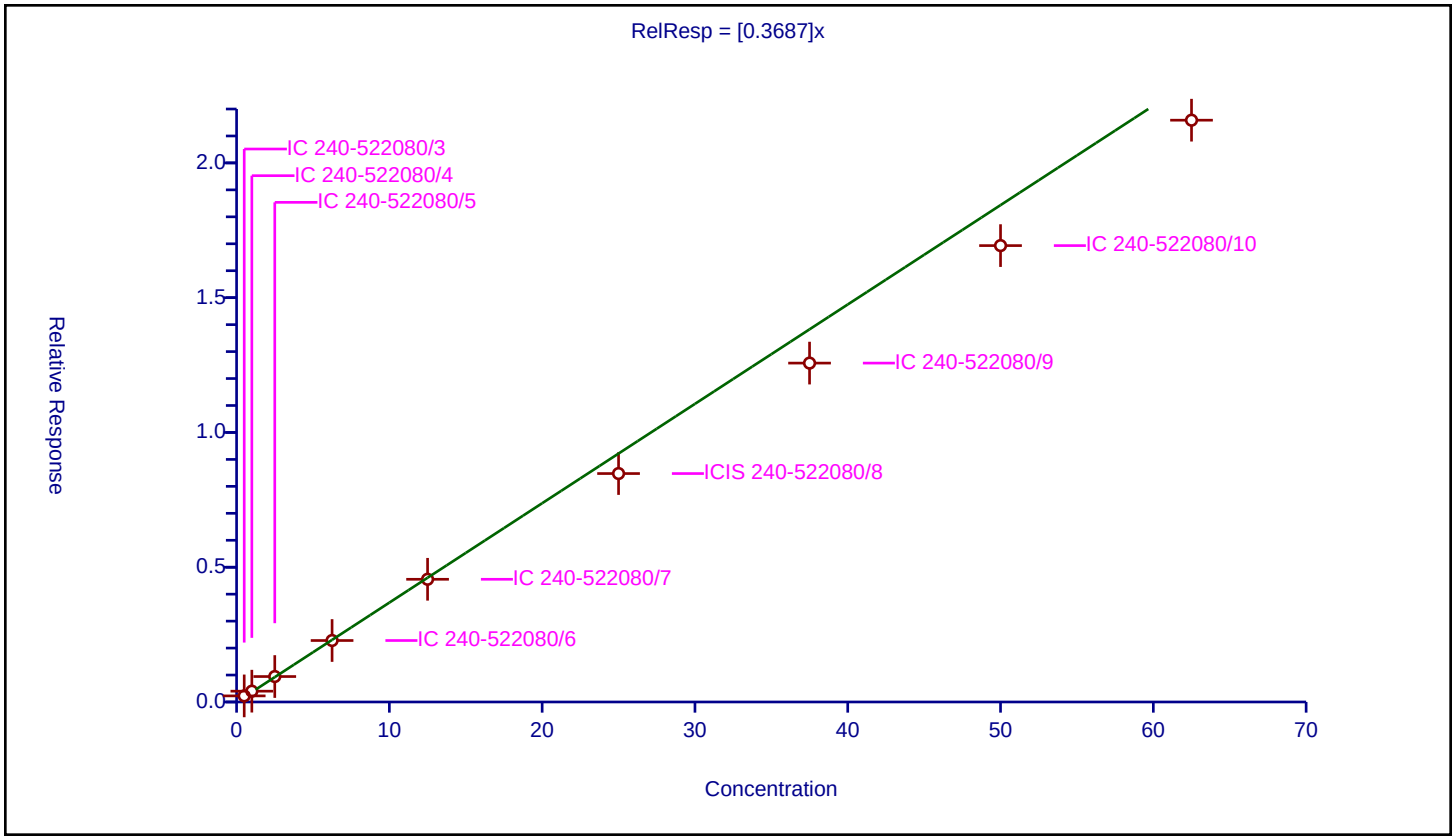
Curve Coefficients

Intercept:	0
Slope:	0.3687

Error Coefficients

Standard Error:	433000
Relative Standard Error:	10.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.225934	28.9	924557.0	0.451869	Y
2	IC 240-522080/4	1.0	0.401089	28.9	940735.0	0.401089	Y
3	IC 240-522080/5	2.5	0.944429	28.9	961407.0	0.377771	Y
4	IC 240-522080/6	6.25	2.281152	28.9	994912.0	0.364984	Y
5	IC 240-522080/7	12.5	4.552089	28.9	1017048.0	0.364167	Y
6	ICIS 240-522080/8	25.0	8.47578	28.9	1111015.0	0.339031	Y
7	IC 240-522080/9	37.5	12.573337	28.9	1108022.0	0.335289	Y
8	IC 240-522080/10	50.0	16.932029	28.9	1112730.0	0.338641	Y
9	IC 240-522080/11	62.5	21.585049	28.9	1121122.0	0.345361	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

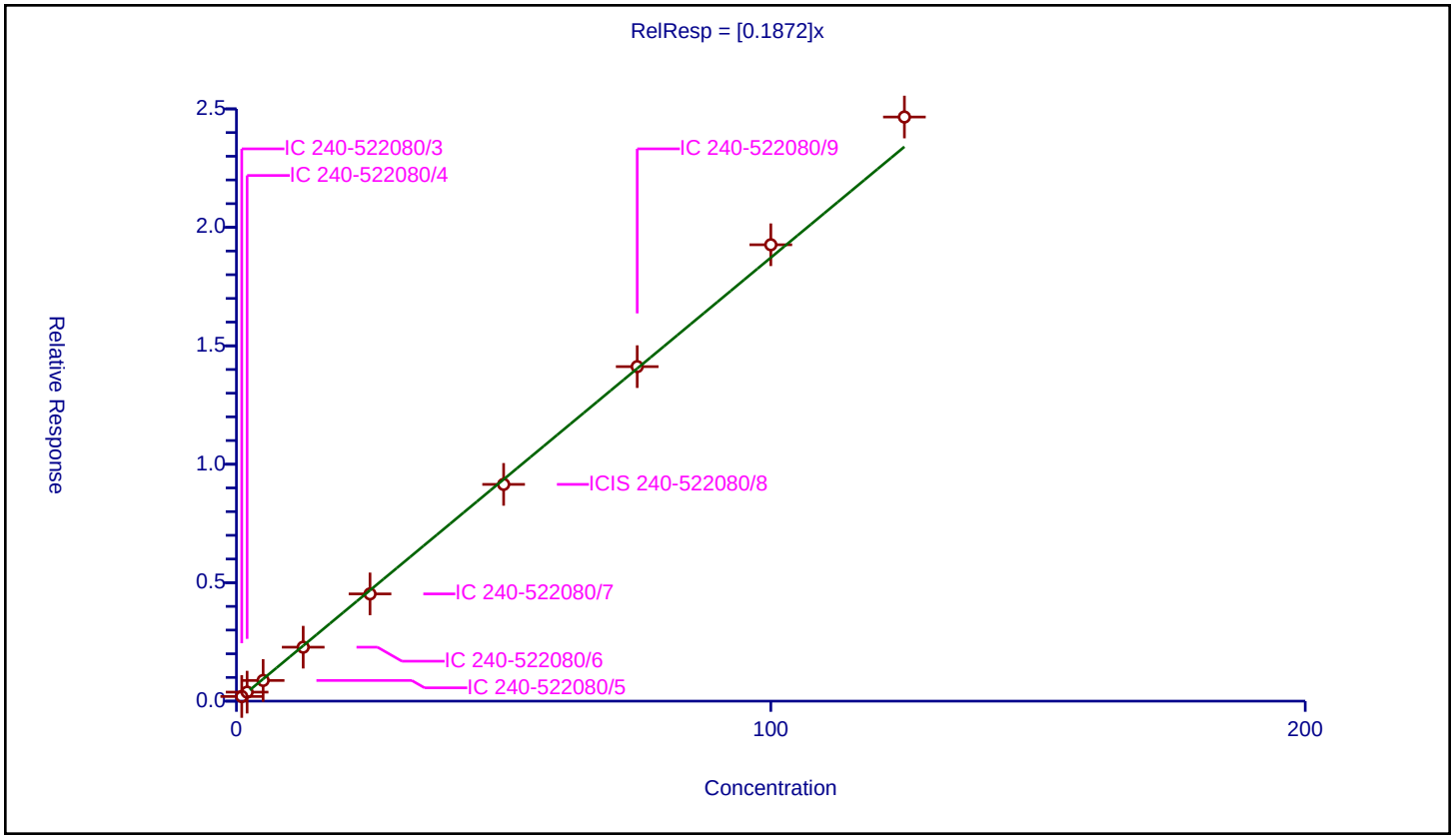
Curve Coefficients

Intercept:	0
Slope:	0.1872

Error Coefficients

Standard Error:	489000
Relative Standard Error:	4.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	1.0	0.195676	28.9	924557.0	0.195676	Y
2	IC 240-522080/4	2.0	0.380383	28.9	940735.0	0.190192	Y
3	IC 240-522080/5	5.0	0.873246	28.9	961407.0	0.174649	Y
4	IC 240-522080/6	12.5	2.27697	28.9	994912.0	0.182158	Y
5	IC 240-522080/7	25.0	4.526544	28.9	1017048.0	0.181062	Y
6	ICIS 240-522080/8	50.0	9.150303	28.9	1111015.0	0.183006	Y
7	IC 240-522080/9	75.0	14.1199	28.9	1108022.0	0.188265	Y
8	IC 240-522080/10	100.0	19.264745	28.9	1112730.0	0.192647	Y
9	IC 240-522080/11	125.0	24.657266	28.9	1121122.0	0.197258	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

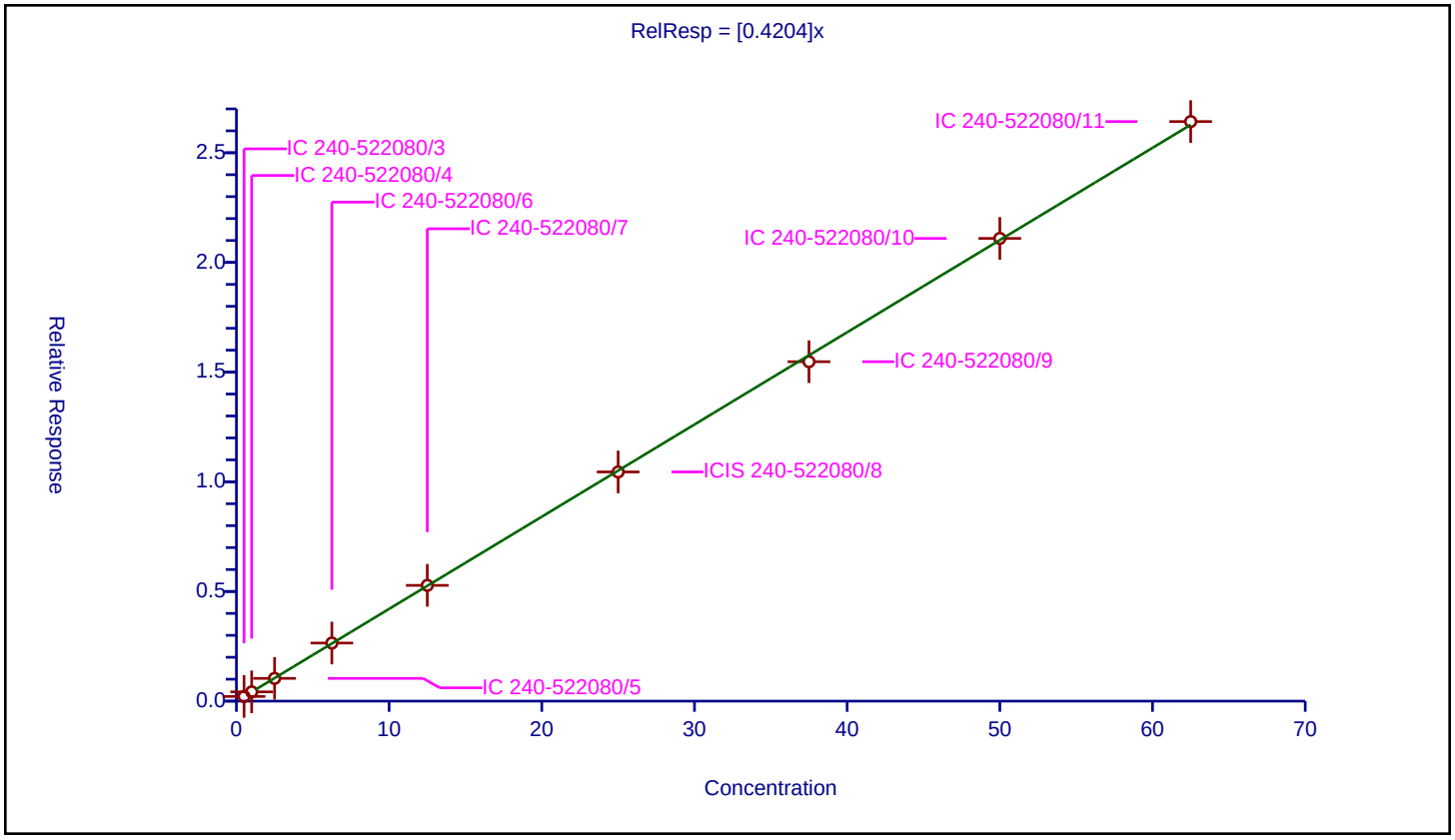
Curve Coefficients

Intercept:	0
Slope:	0.4204

Error Coefficients

Standard Error:	532000
Relative Standard Error:	1.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.212525	28.9	924557.0	0.425049	Y
2	IC 240-522080/4	1.0	0.42204	28.9	940735.0	0.42204	Y
3	IC 240-522080/5	2.5	1.037795	28.9	961407.0	0.415118	Y
4	IC 240-522080/6	6.25	2.649188	28.9	994912.0	0.42387	Y
5	IC 240-522080/7	12.5	5.277795	28.9	1017048.0	0.422224	Y
6	ICIS 240-522080/8	25.0	10.449173	28.9	1111015.0	0.417967	Y
7	IC 240-522080/9	37.5	15.474156	28.9	1108022.0	0.412644	Y
8	IC 240-522080/10	50.0	21.095834	28.9	1112730.0	0.421917	Y
9	IC 240-522080/11	62.5	26.422088	28.9	1121122.0	0.422753	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

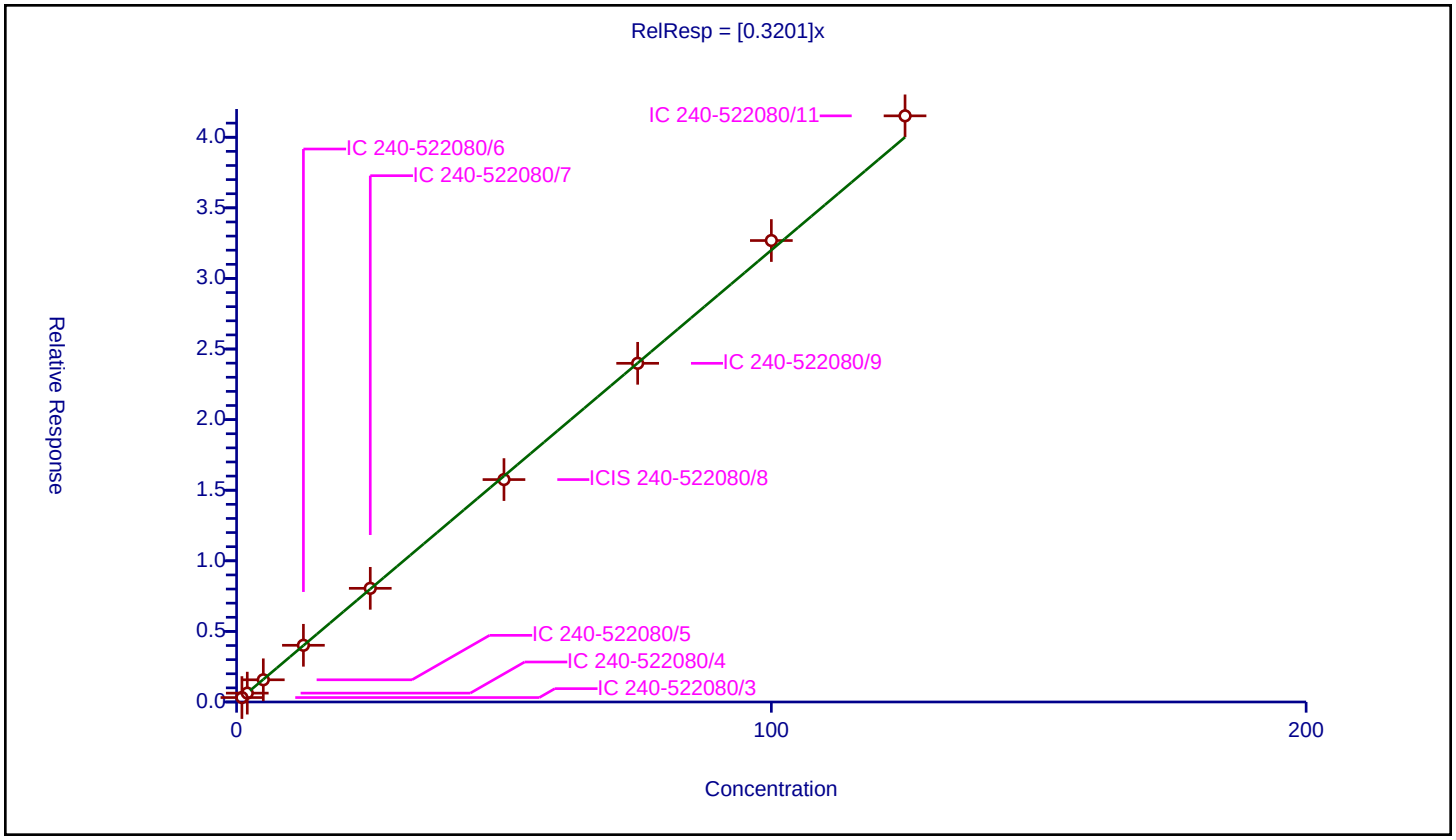
Curve Coefficients

Intercept:	0
Slope:	0.3201

Error Coefficients

Standard Error:	829000
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	IC 240-522080/3	1.0	0.314864	28.9	924557.0	0.314864	Y
2	IC 240-522080/4	2.0	0.627961	28.9	940735.0	0.313981	Y
3	IC 240-522080/5	5.0	1.572504	28.9	961407.0	0.314501	Y
4	IC 240-522080/6	12.5	4.015596	28.9	994912.0	0.321248	Y
5	IC 240-522080/7	25.0	8.051097	28.9	1017048.0	0.322044	Y
6	ICIS 240-522080/8	50.0	15.753877	28.9	1111015.0	0.315078	Y
7	IC 240-522080/9	75.0	23.988115	28.9	1108022.0	0.319842	Y
8	IC 240-522080/10	100.0	32.68526	28.9	1112730.0	0.326853	Y
9	IC 240-522080/11	125.0	41.515733	28.9	1121122.0	0.332126	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

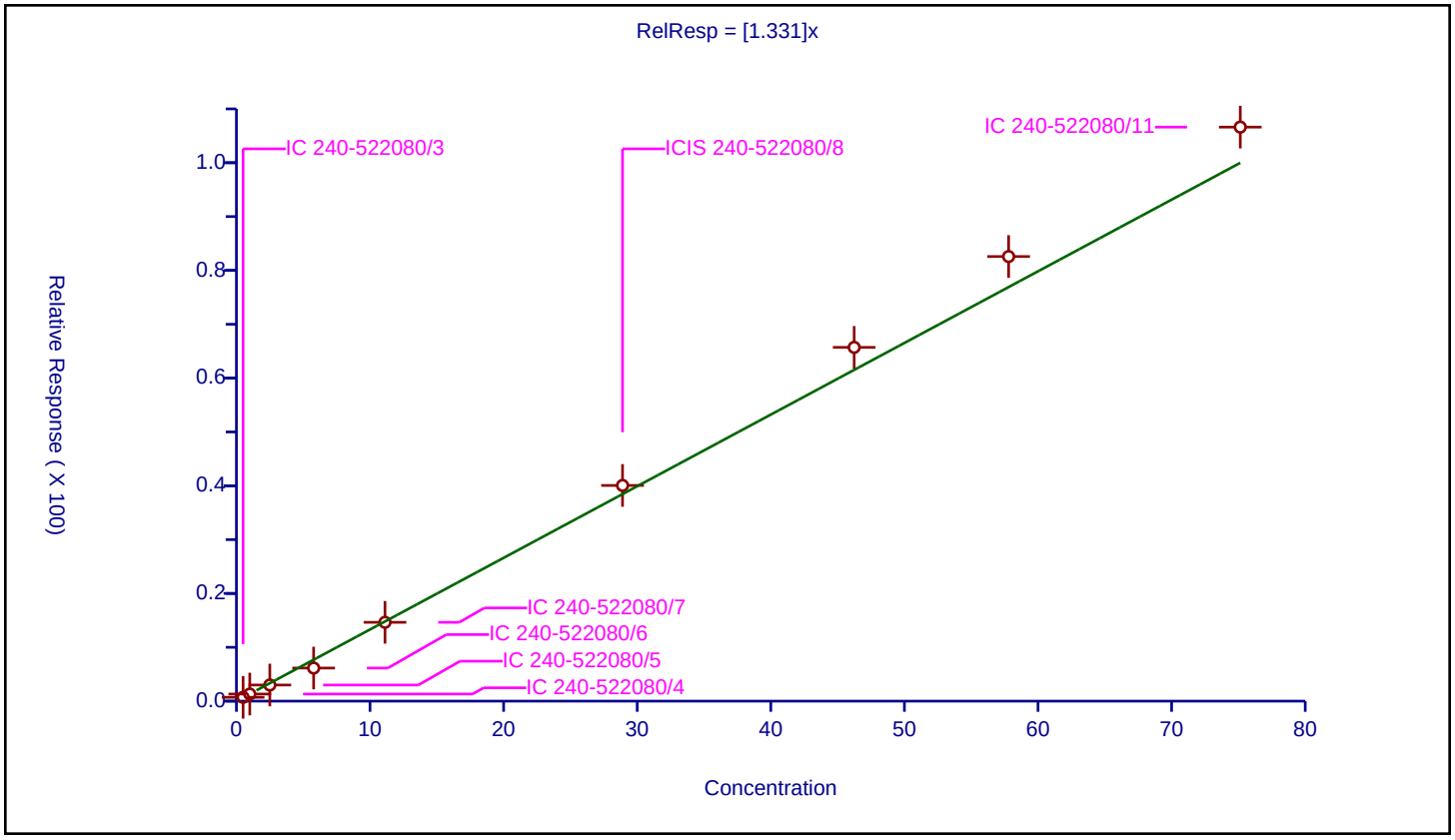
Curve Coefficients

Intercept:	0
Slope:	1.331

Error Coefficients

Standard Error:	1550000
Relative Standard Error:	9.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.711904	28.9	745534.0	1.423808	Y
2	IC 240-522080/4	1.0	1.317374	28.9	753819.0	1.317374	Y
3	IC 240-522080/5	2.5	2.997534	28.9	771696.0	1.199014	Y
4	IC 240-522080/6	5.78	6.145583	28.9	772937.0	1.06325	Y
5	IC 240-522080/7	11.12	14.640706	28.9	781050.0	1.31661	Y
6	ICIS 240-522080/8	28.9	40.060907	28.9	814036.0	1.386191	Y
7	IC 240-522080/9	46.24	65.705973	28.9	811641.0	1.420977	Y
8	IC 240-522080/10	57.8	82.580093	28.9	813413.0	1.428721	Y
9	IC 240-522080/11	75.14	106.617624	28.9	809800.0	1.41892	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

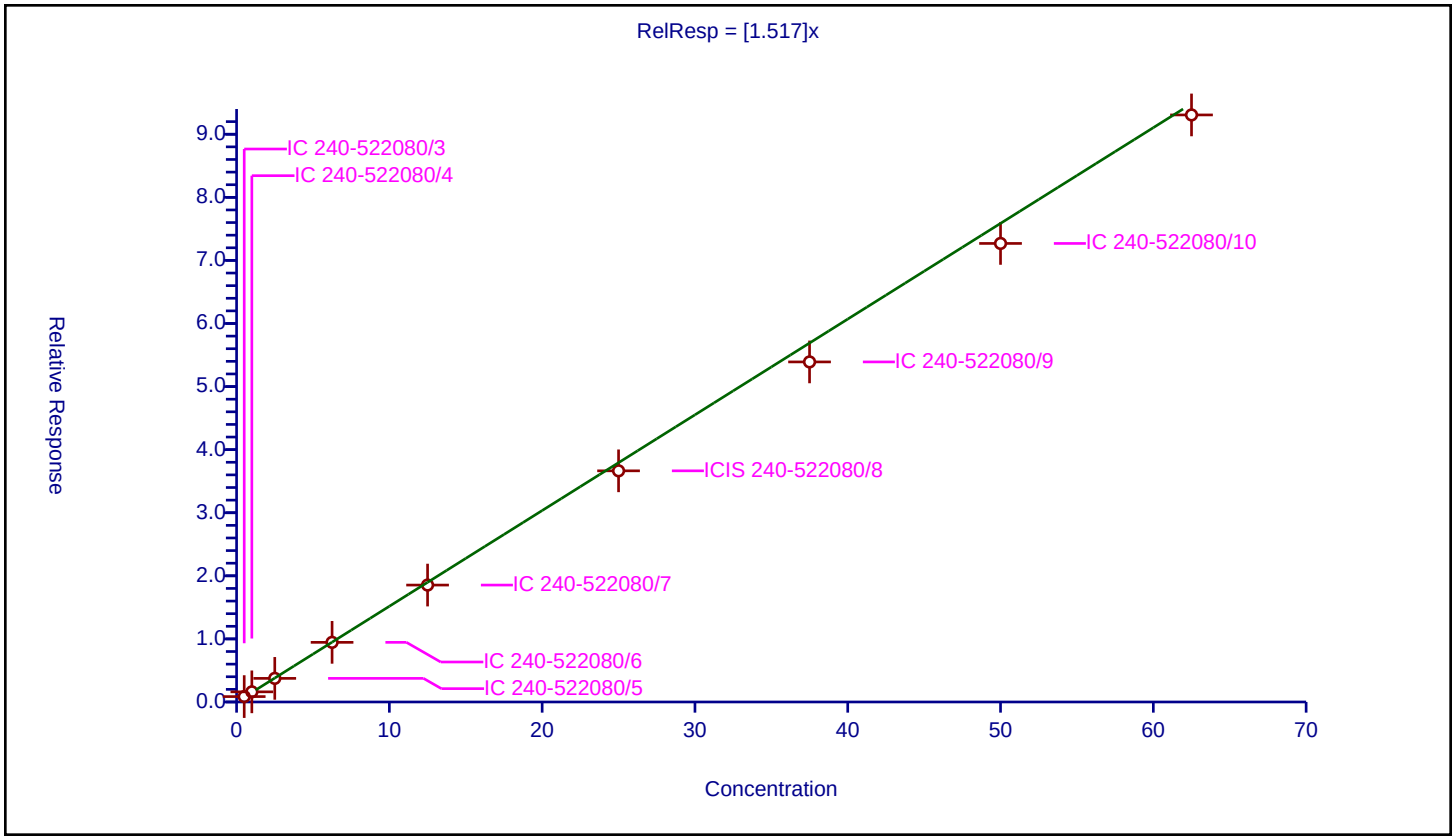
Curve Coefficients

Intercept:	0
Slope:	1.517

Error Coefficients

Standard Error:	1350000
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	IC 240-522080/3	0.5	0.85475	28.9	745534.0	1.709499	Y
2	IC 240-522080/4	1.0	1.608246	28.9	753819.0	1.608246	Y
3	IC 240-522080/5	2.5	3.743537	28.9	771696.0	1.497415	Y
4	IC 240-522080/6	6.25	9.455108	28.9	772937.0	1.512817	Y
5	IC 240-522080/7	12.5	18.53426	28.9	781050.0	1.482741	Y
6	ICIS 240-522080/8	25.0	36.642337	28.9	814036.0	1.465693	Y
7	IC 240-522080/9	37.5	53.909379	28.9	811641.0	1.437583	Y
8	IC 240-522080/10	50.0	72.689906	28.9	813413.0	1.453798	Y
9	IC 240-522080/11	62.5	93.062033	28.9	809800.0	1.488993	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

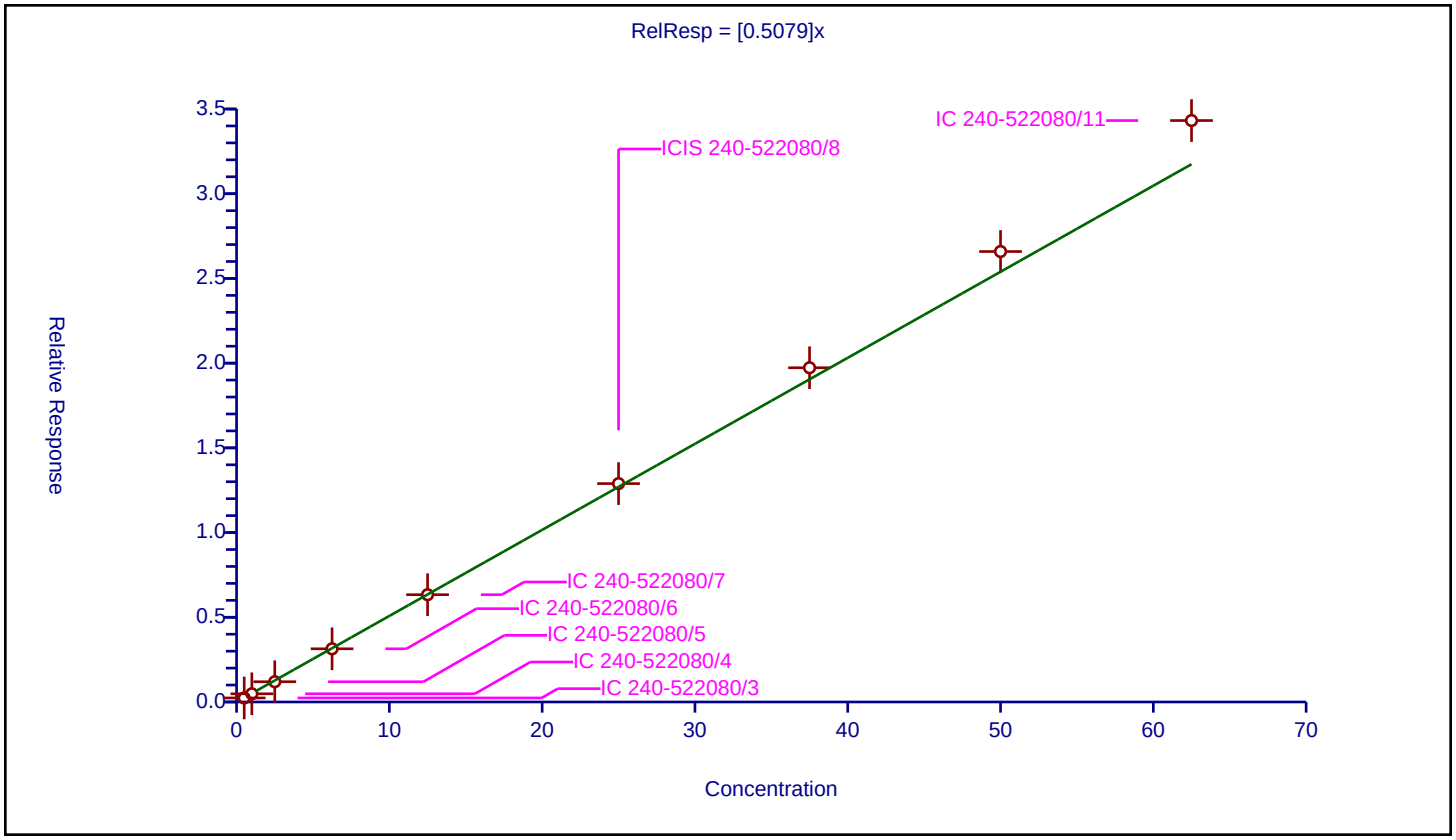
Curve Coefficients

Intercept:	0
Slope:	0.5079

Error Coefficients

Standard Error:	495000
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	IC 240-522080/3	0.5	0.238826	28.9	745534.0	0.477652	Y
2	IC 240-522080/4	1.0	0.483444	28.9	753819.0	0.483444	Y
3	IC 240-522080/5	2.5	1.195216	28.9	771696.0	0.478086	Y
4	IC 240-522080/6	6.25	3.138953	28.9	772937.0	0.502232	Y
5	IC 240-522080/7	12.5	6.333468	28.9	781050.0	0.506677	Y
6	ICIS 240-522080/8	25.0	12.890783	28.9	814036.0	0.515631	Y
7	IC 240-522080/9	37.5	19.727348	28.9	811641.0	0.526063	Y
8	IC 240-522080/10	50.0	26.588925	28.9	813413.0	0.531779	Y
9	IC 240-522080/11	62.5	34.320195	28.9	809800.0	0.549123	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

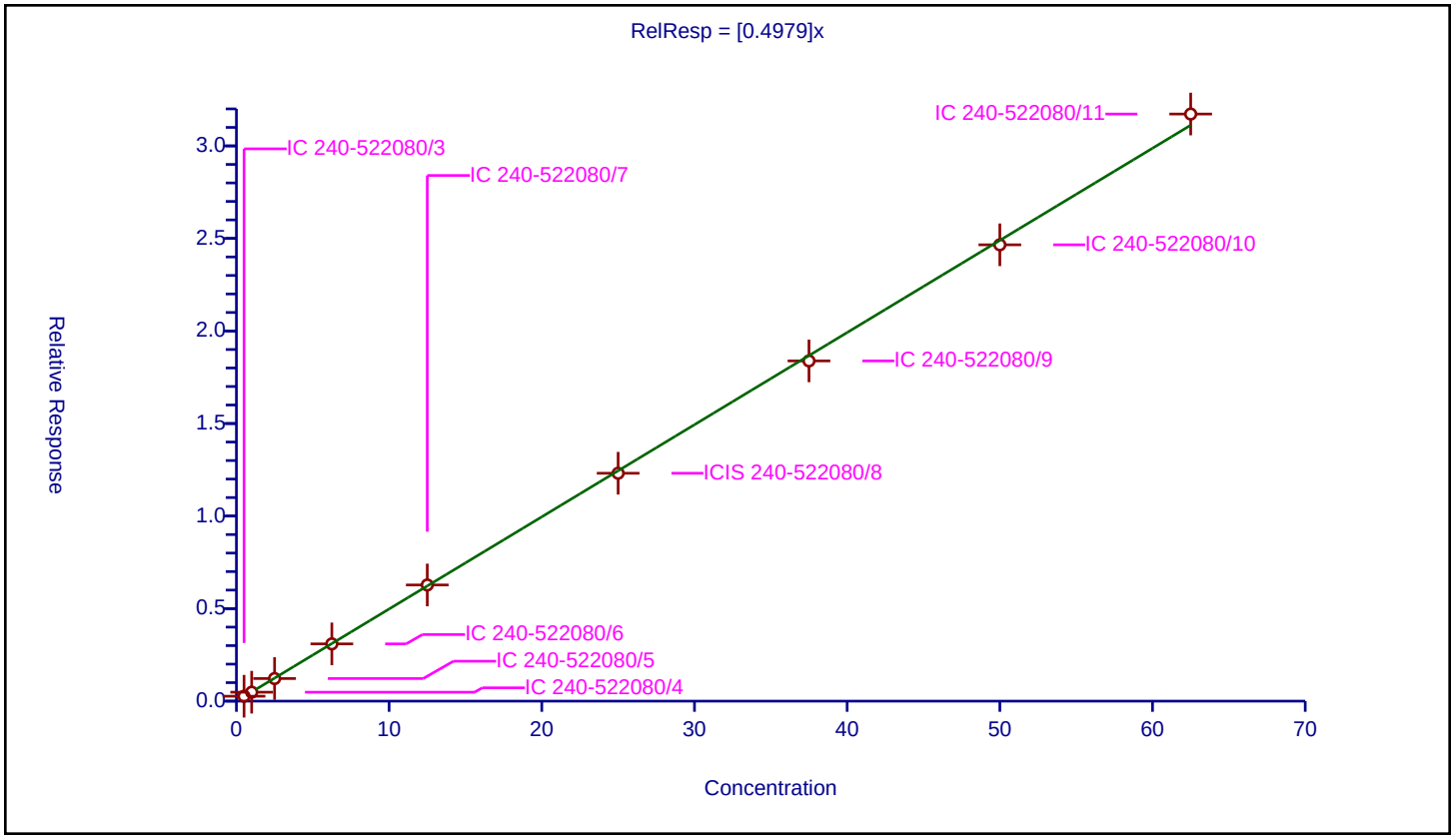
Curve Coefficients

Intercept:	0
Slope:	0.4979

Error Coefficients

Standard Error:	460000
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	IC 240-522080/3	0.5	0.264914	28.9	745534.0	0.529829	Y
2	IC 240-522080/4	1.0	0.482485	28.9	753819.0	0.482485	Y
3	IC 240-522080/5	2.5	1.220757	28.9	771696.0	0.488303	Y
4	IC 240-522080/6	6.25	3.093973	28.9	772937.0	0.495036	Y
5	IC 240-522080/7	12.5	6.275931	28.9	781050.0	0.502074	Y
6	ICIS 240-522080/8	25.0	12.313199	28.9	814036.0	0.492528	Y
7	IC 240-522080/9	37.5	18.383189	28.9	811641.0	0.490218	Y
8	IC 240-522080/10	50.0	24.65677	28.9	813413.0	0.493135	Y
9	IC 240-522080/11	62.5	31.721872	28.9	809800.0	0.50755	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

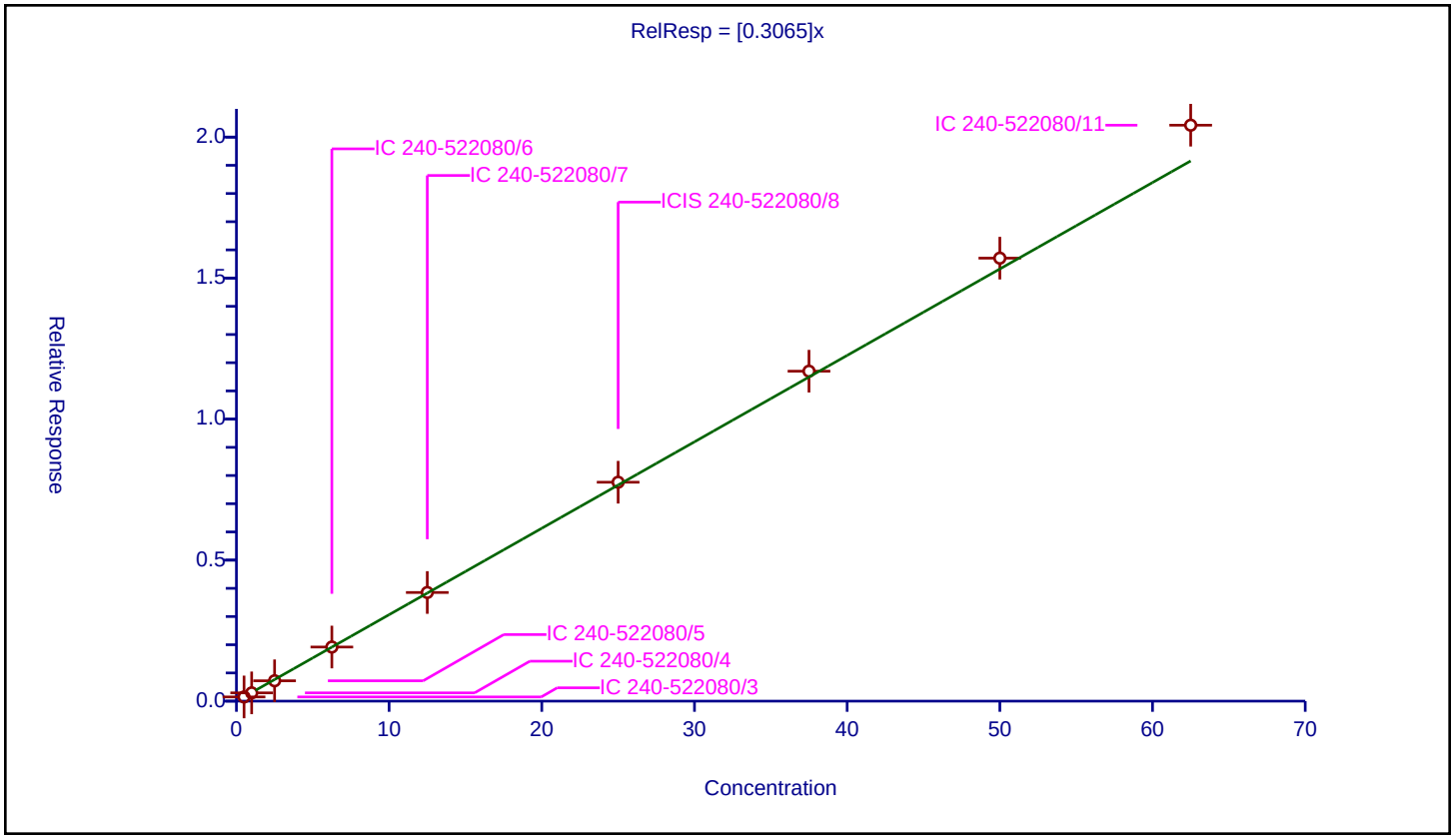
Curve Coefficients

Intercept:	0
Slope:	0.3065

Error Coefficients

Standard Error:	294000
Relative Standard Error:	3.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.148854	28.9	745534.0	0.297709	Y
2	IC 240-522080/4	1.0	0.293172	28.9	753819.0	0.293172	Y
3	IC 240-522080/5	2.5	0.722073	28.9	771696.0	0.288829	Y
4	IC 240-522080/6	6.25	1.918735	28.9	772937.0	0.306998	Y
5	IC 240-522080/7	12.5	3.852667	28.9	781050.0	0.308213	Y
6	ICIS 240-522080/8	25.0	7.762076	28.9	814036.0	0.310483	Y
7	IC 240-522080/9	37.5	11.699529	28.9	811641.0	0.311987	Y
8	IC 240-522080/10	50.0	15.707826	28.9	813413.0	0.314157	Y
9	IC 240-522080/11	62.5	20.421786	28.9	809800.0	0.326749	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

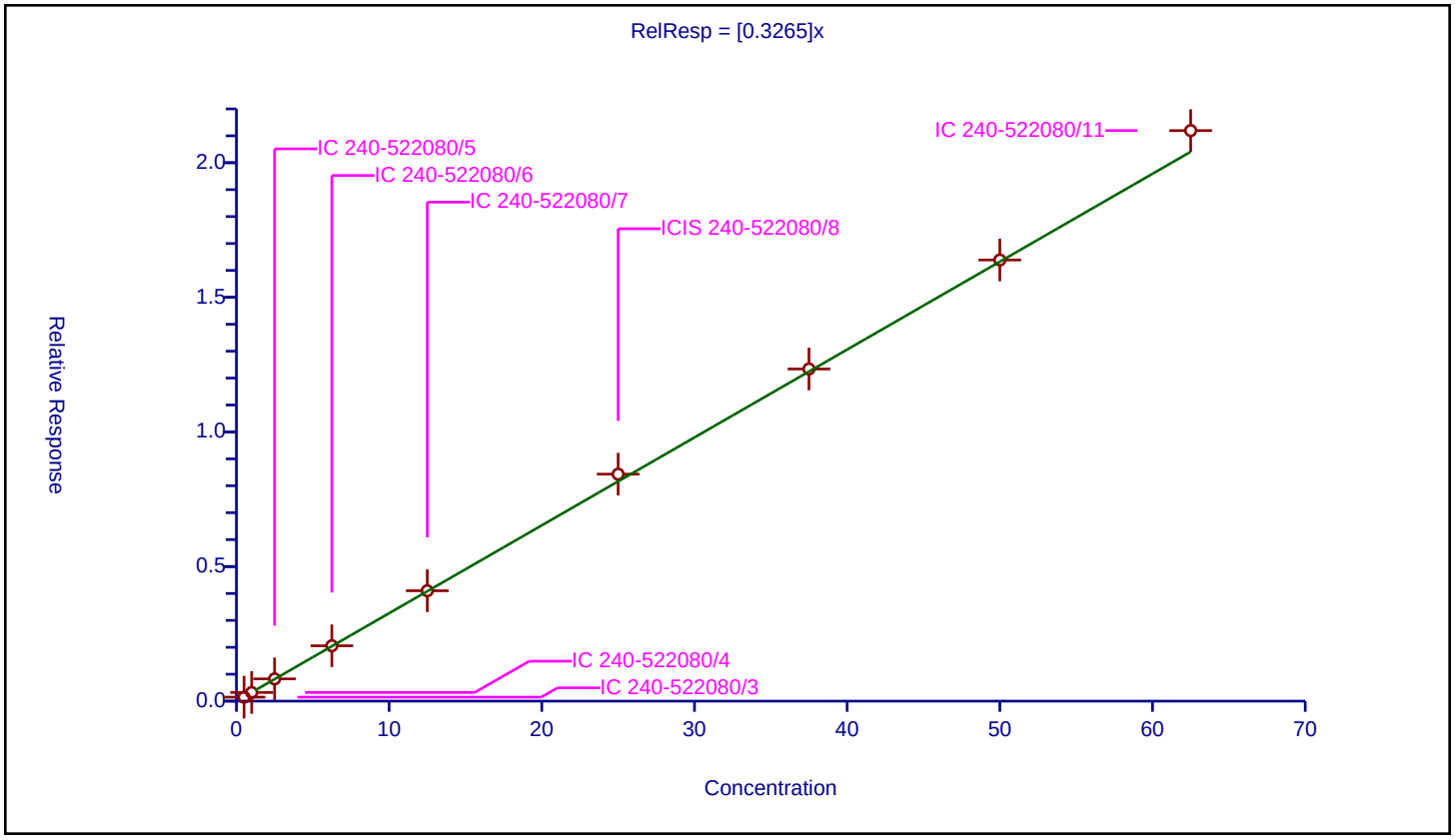
Curve Coefficients

Intercept:	0
Slope:	0.3265

Error Coefficients

Standard Error:	308000
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	IC 240-522080/3	0.5	0.14835	28.9	745534.0	0.296701	Y
2	IC 240-522080/4	1.0	0.320967	28.9	753819.0	0.320967	Y
3	IC 240-522080/5	2.5	0.826371	28.9	771696.0	0.330549	Y
4	IC 240-522080/6	6.25	2.056741	28.9	772937.0	0.329079	Y
5	IC 240-522080/7	12.5	4.100392	28.9	781050.0	0.328031	Y
6	ICIS 240-522080/8	25.0	8.43193	28.9	814036.0	0.337277	Y
7	IC 240-522080/9	37.5	12.338423	28.9	811641.0	0.329025	Y
8	IC 240-522080/10	50.0	16.387751	28.9	813413.0	0.327755	Y
9	IC 240-522080/11	62.5	21.193821	28.9	809800.0	0.339101	Y



Calibration / 1,3-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

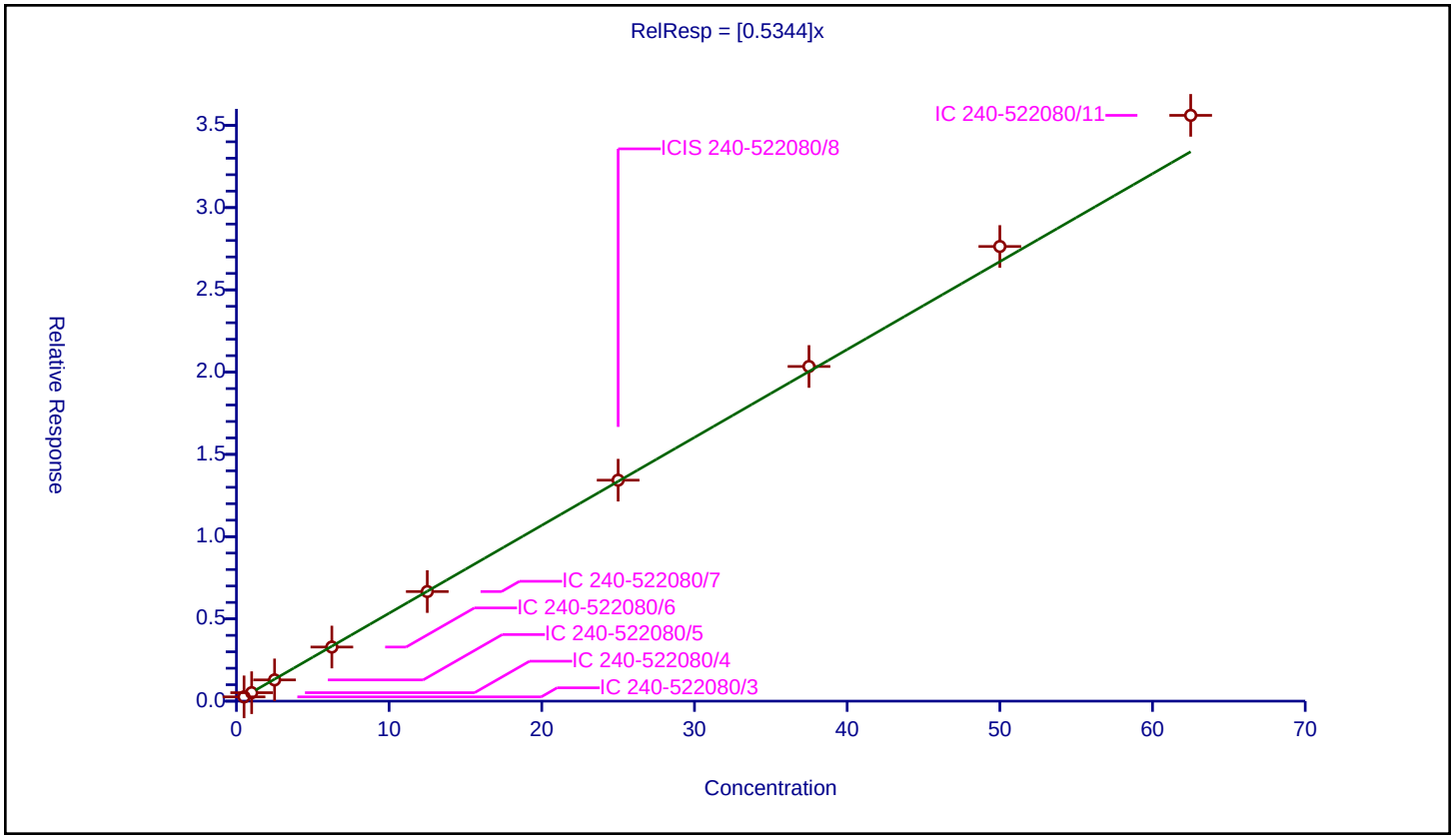
Curve Coefficients

Intercept:	0
Slope:	0.5344

Error Coefficients

Standard Error:	514000
Relative Standard Error:	3.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.2591	28.9	745534.0	0.518199	Y
2	IC 240-522080/4	1.0	0.513462	28.9	753819.0	0.513462	Y
3	IC 240-522080/5	2.5	1.290601	28.9	771696.0	0.51624	Y
4	IC 240-522080/6	6.25	3.288512	28.9	772937.0	0.526162	Y
5	IC 240-522080/7	12.5	6.661301	28.9	781050.0	0.532904	Y
6	ICIS 240-522080/8	25.0	13.432438	28.9	814036.0	0.537298	Y
7	IC 240-522080/9	37.5	20.343597	28.9	811641.0	0.542496	Y
8	IC 240-522080/10	50.0	27.635654	28.9	813413.0	0.552713	Y
9	IC 240-522080/11	62.5	35.605778	28.9	809800.0	0.569692	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

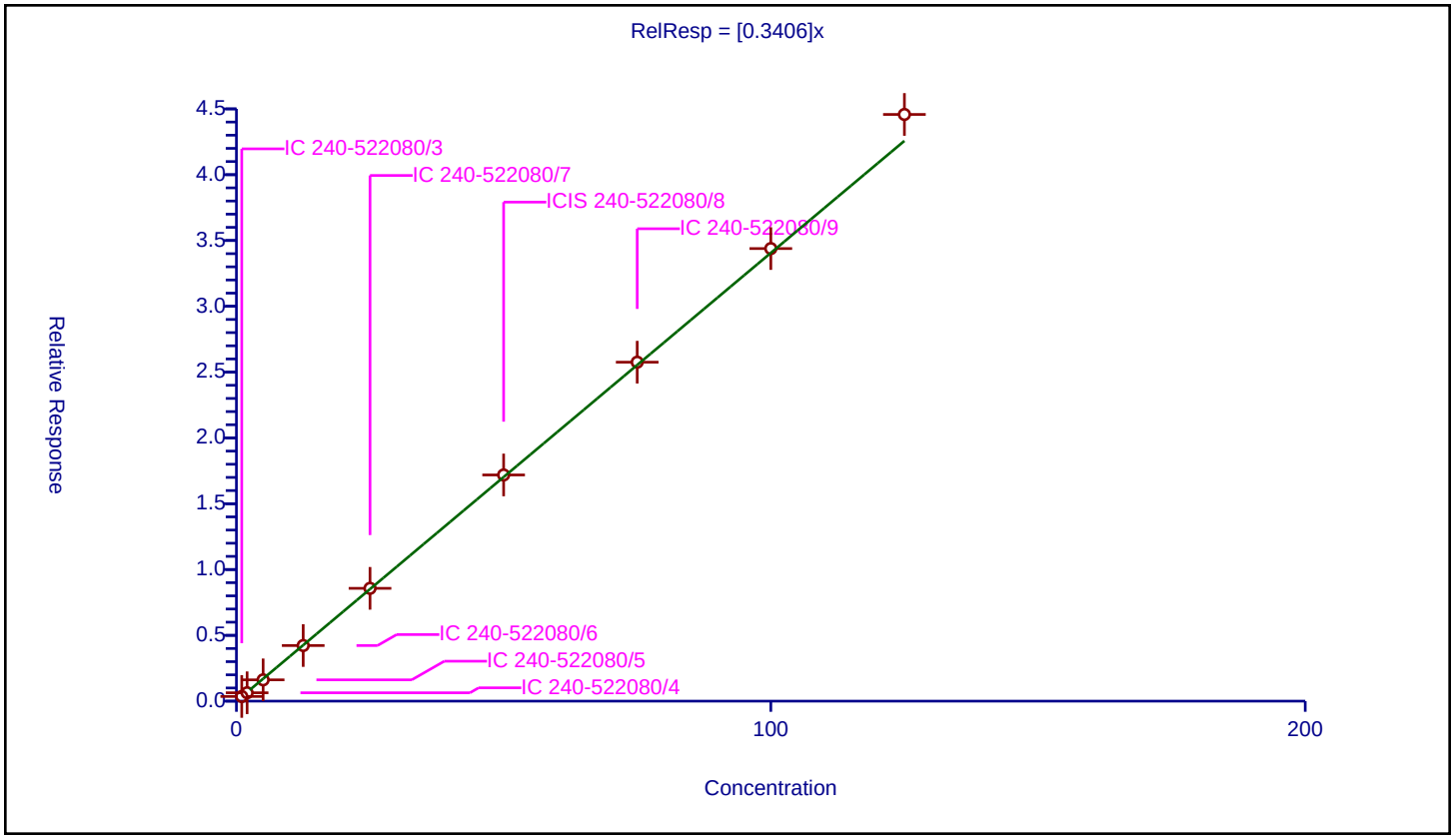
Curve Coefficients

Intercept:	0
Slope:	0.3406

Error Coefficients

Standard Error:	644000
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	IC 240-522080/3	1.0	0.354886	28.9	745534.0	0.354886	Y
2	IC 240-522080/4	2.0	0.636528	28.9	753819.0	0.318264	Y
3	IC 240-522080/5	5.0	1.61709	28.9	771696.0	0.323418	Y
4	IC 240-522080/6	12.5	4.224642	28.9	772937.0	0.337971	Y
5	IC 240-522080/7	25.0	8.572057	28.9	781050.0	0.342882	Y
6	ICIS 240-522080/8	50.0	17.186539	28.9	814036.0	0.343731	Y
7	IC 240-522080/9	75.0	25.753634	28.9	811641.0	0.343382	Y
8	IC 240-522080/10	100.0	34.388638	28.9	813413.0	0.343886	Y
9	IC 240-522080/11	125.0	44.577162	28.9	809800.0	0.356617	Y



Calibration / Chlorodibromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

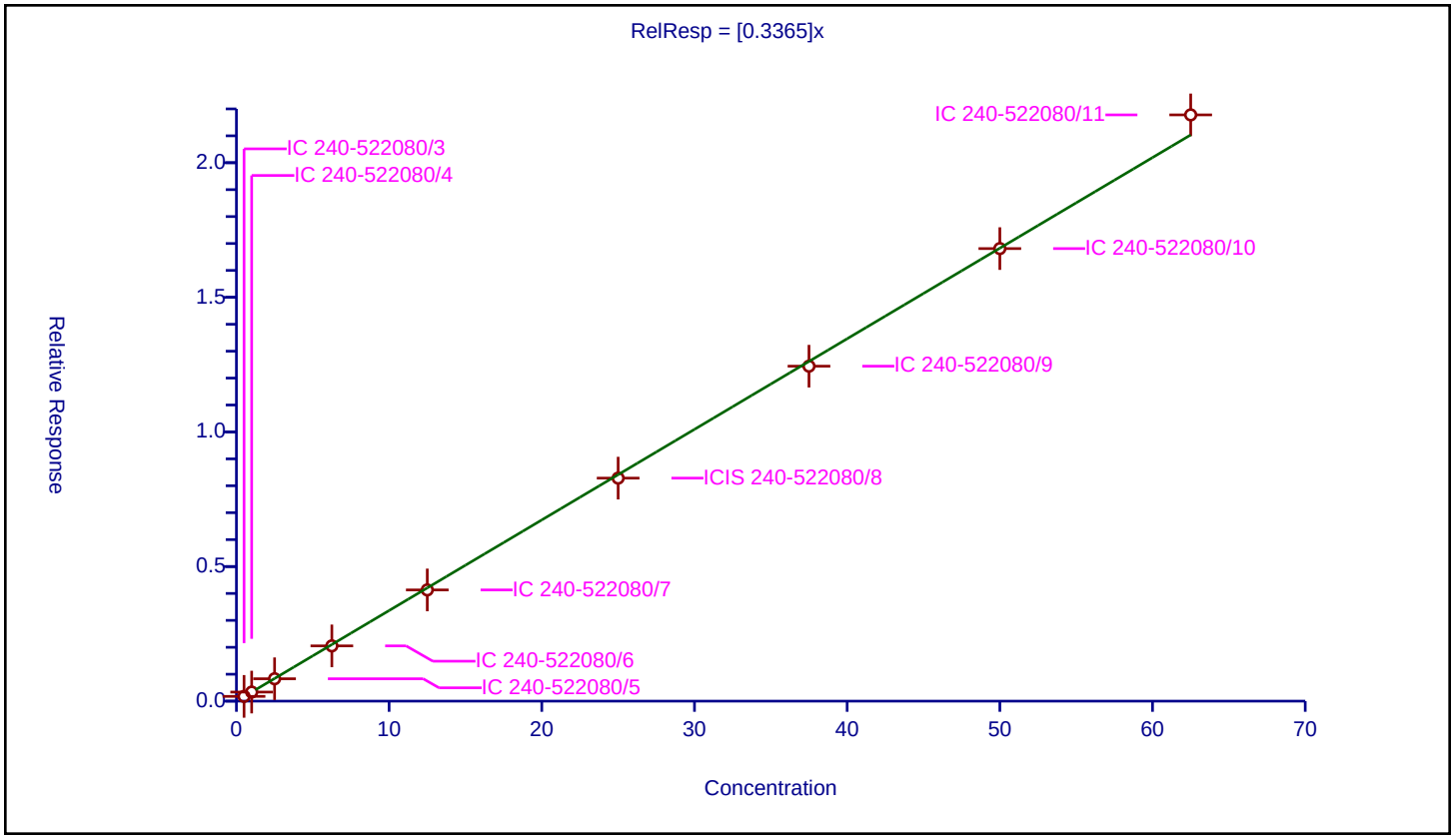
Curve Coefficients

Intercept:	0
Slope:	0.3365

Error Coefficients

Standard Error:	314000
Relative Standard Error:	2.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.176338	28.9	745534.0	0.352676	Y
2	IC 240-522080/4	1.0	0.336839	28.9	753819.0	0.336839	Y
3	IC 240-522080/5	2.5	0.83139	28.9	771696.0	0.332556	Y
4	IC 240-522080/6	6.25	2.052516	28.9	772937.0	0.328403	Y
5	IC 240-522080/7	12.5	4.131177	28.9	781050.0	0.330494	Y
6	ICIS 240-522080/8	25.0	8.284241	28.9	814036.0	0.33137	Y
7	IC 240-522080/9	37.5	12.443001	28.9	811641.0	0.331813	Y
8	IC 240-522080/10	50.0	16.811118	28.9	813413.0	0.336222	Y
9	IC 240-522080/11	62.5	21.777388	28.9	809800.0	0.348438	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

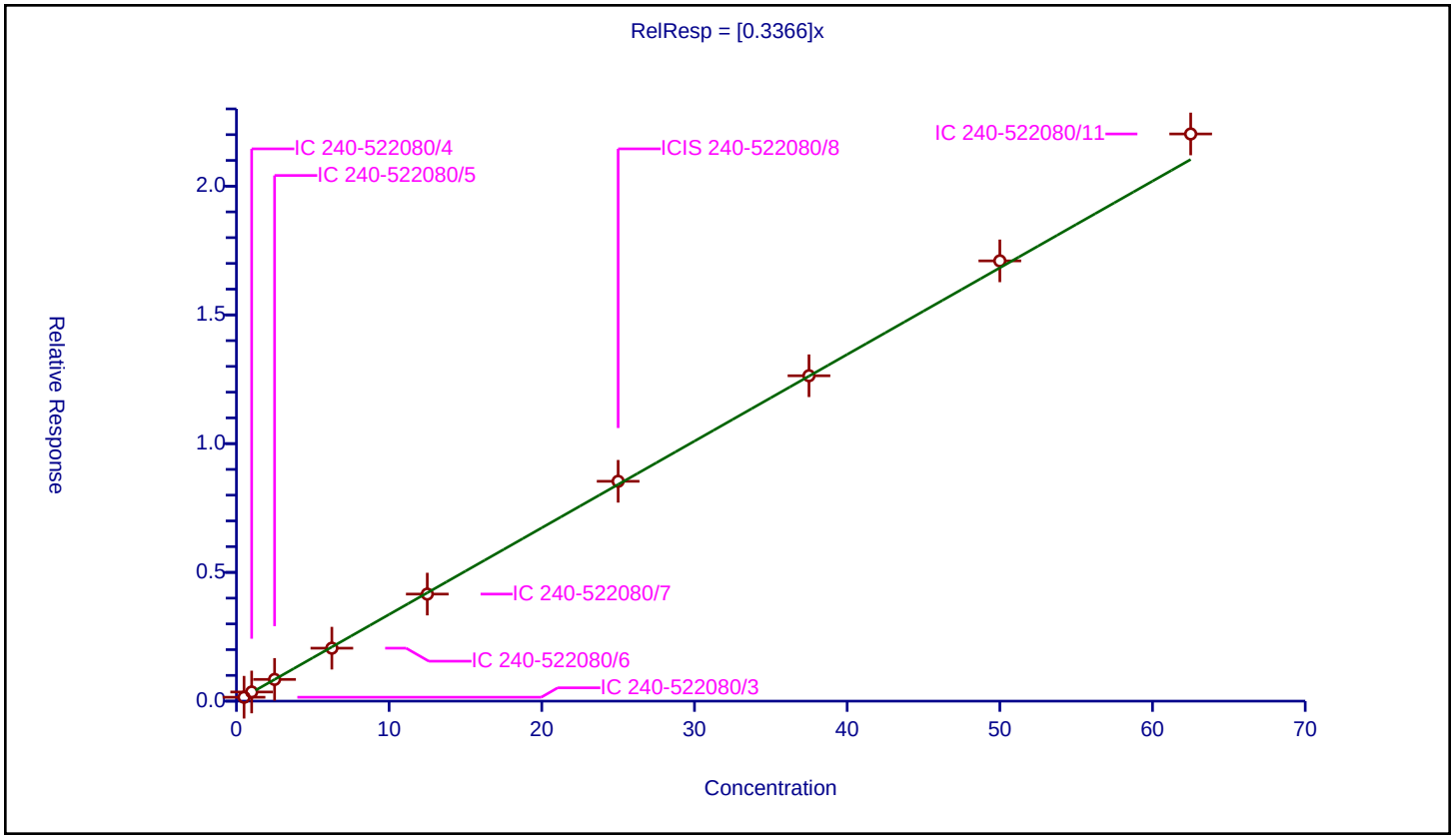
Curve Coefficients

Intercept:	0
Slope:	0.3366

Error Coefficients

Standard Error:	319000
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	IC 240-522080/3	0.5	0.151297	28.9	745534.0	0.302593	Y
2	IC 240-522080/4	1.0	0.354781	28.9	753819.0	0.354781	Y
3	IC 240-522080/5	2.5	0.843111	28.9	771696.0	0.337245	Y
4	IC 240-522080/6	6.25	2.056404	28.9	772937.0	0.329025	Y
5	IC 240-522080/7	12.5	4.158003	28.9	781050.0	0.33264	Y
6	ICIS 240-522080/8	25.0	8.538294	28.9	814036.0	0.341532	Y
7	IC 240-522080/9	37.5	12.636488	28.9	811641.0	0.336973	Y
8	IC 240-522080/10	50.0	17.097697	28.9	813413.0	0.341954	Y
9	IC 240-522080/11	62.5	22.027096	28.9	809800.0	0.352434	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

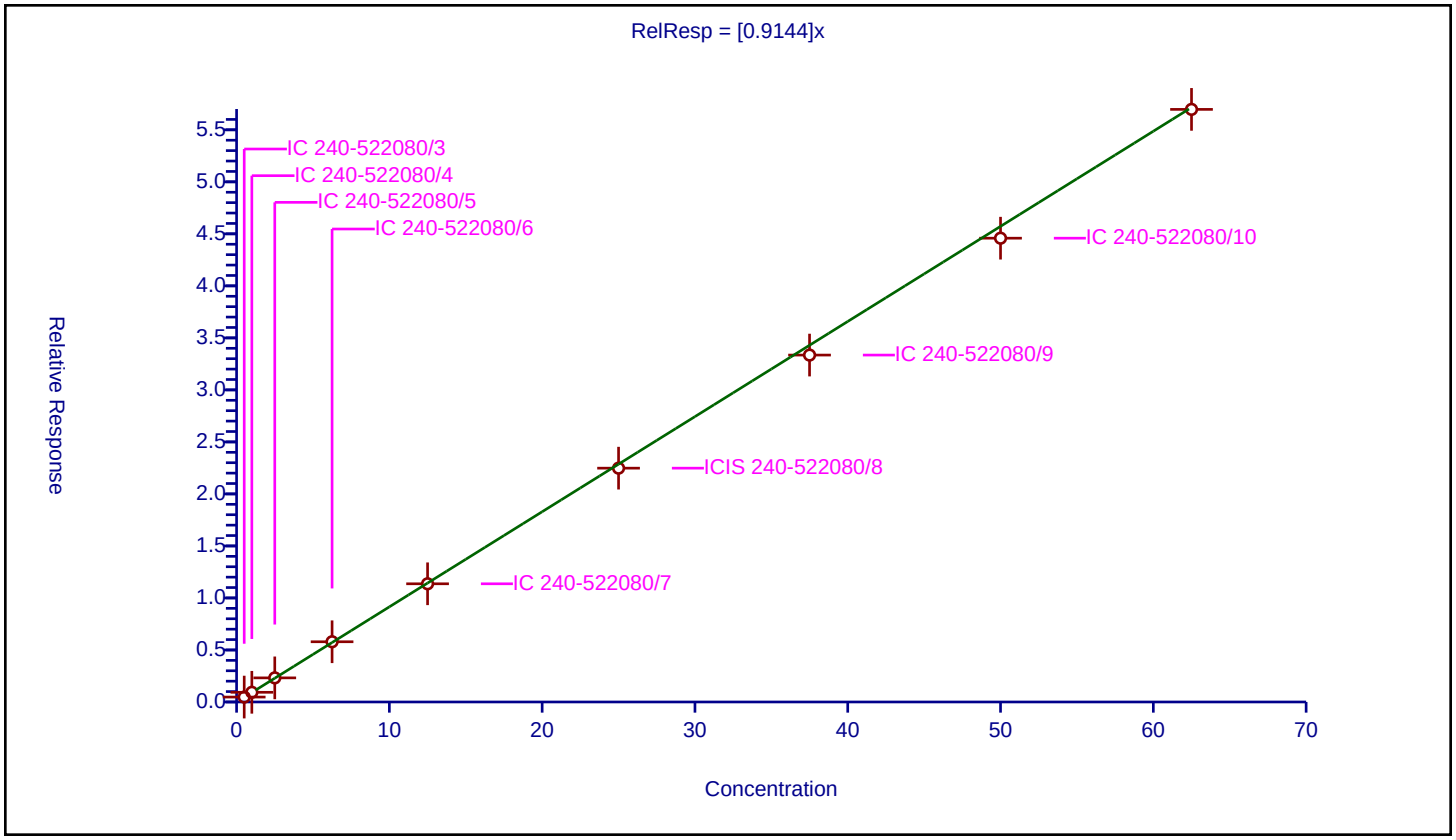
Curve Coefficients

Intercept:	0
Slope:	0.9144

Error Coefficients

Standard Error:	831000
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	IC 240-522080/3	0.5	0.472303	28.9	745534.0	0.944605	Y
2	IC 240-522080/4	1.0	0.930581	28.9	753819.0	0.930581	Y
3	IC 240-522080/5	2.5	2.319614	28.9	771696.0	0.927846	Y
4	IC 240-522080/6	6.25	5.789445	28.9	772937.0	0.926311	Y
5	IC 240-522080/7	12.5	11.362486	28.9	781050.0	0.908999	Y
6	ICIS 240-522080/8	25.0	22.475999	28.9	814036.0	0.89904	Y
7	IC 240-522080/9	37.5	33.349115	28.9	811641.0	0.88931	Y
8	IC 240-522080/10	50.0	44.583453	28.9	813413.0	0.891669	Y
9	IC 240-522080/11	62.5	56.963013	28.9	809800.0	0.911408	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

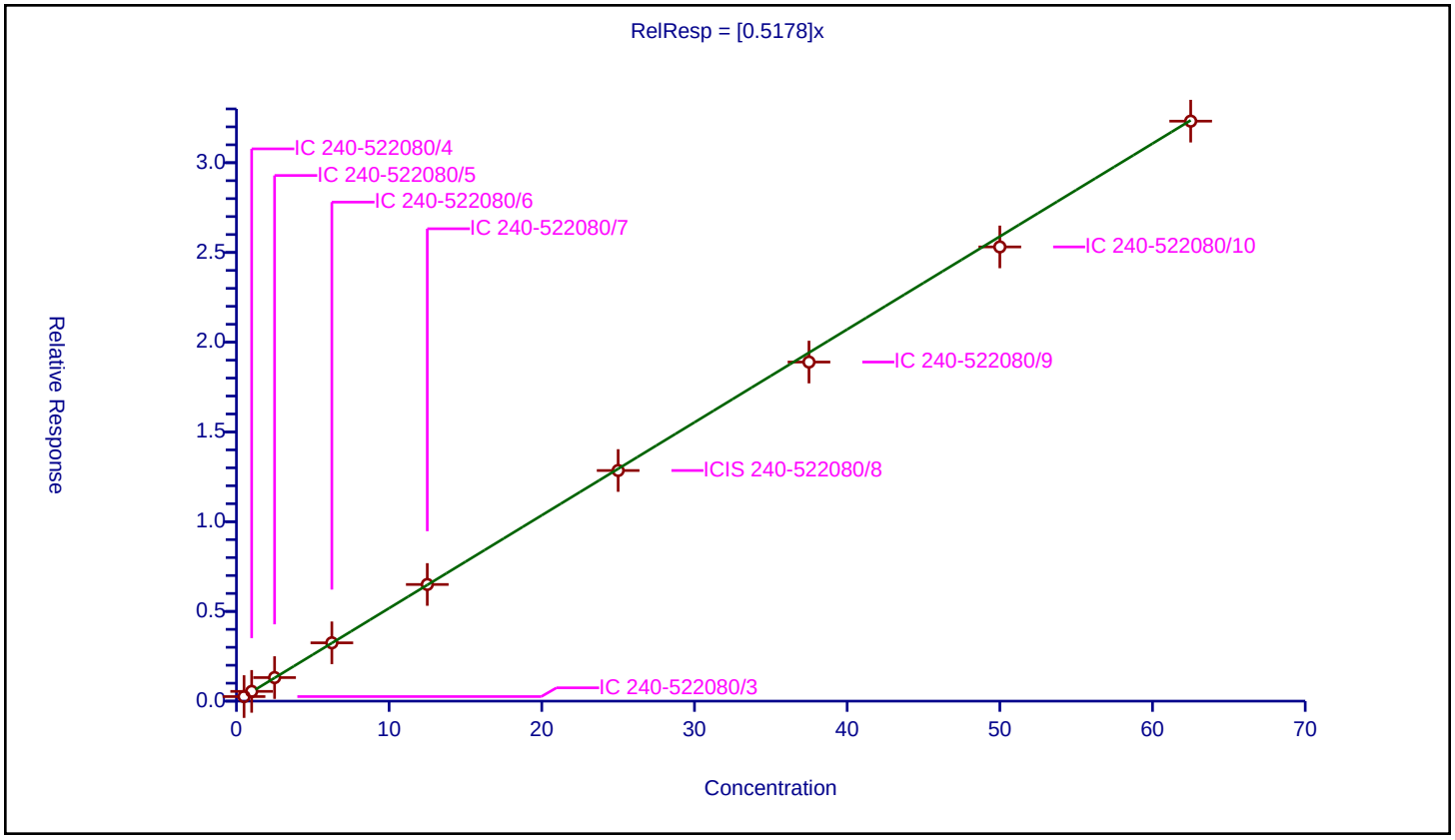
Curve Coefficients

Intercept:	0
Slope:	0.5178

Error Coefficients

Standard Error:	472000
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	IC 240-522080/3	0.5	0.255223	28.9	745534.0	0.510446	Y
2	IC 240-522080/4	1.0	0.543443	28.9	753819.0	0.543443	Y
3	IC 240-522080/5	2.5	1.312996	28.9	771696.0	0.525199	Y
4	IC 240-522080/6	6.25	3.250038	28.9	772937.0	0.520006	Y
5	IC 240-522080/7	12.5	6.500826	28.9	781050.0	0.520066	Y
6	ICIS 240-522080/8	25.0	12.851127	28.9	814036.0	0.514045	Y
7	IC 240-522080/9	37.5	18.893507	28.9	811641.0	0.503827	Y
8	IC 240-522080/10	50.0	25.309586	28.9	813413.0	0.506192	Y
9	IC 240-522080/11	62.5	32.317787	28.9	809800.0	0.517085	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

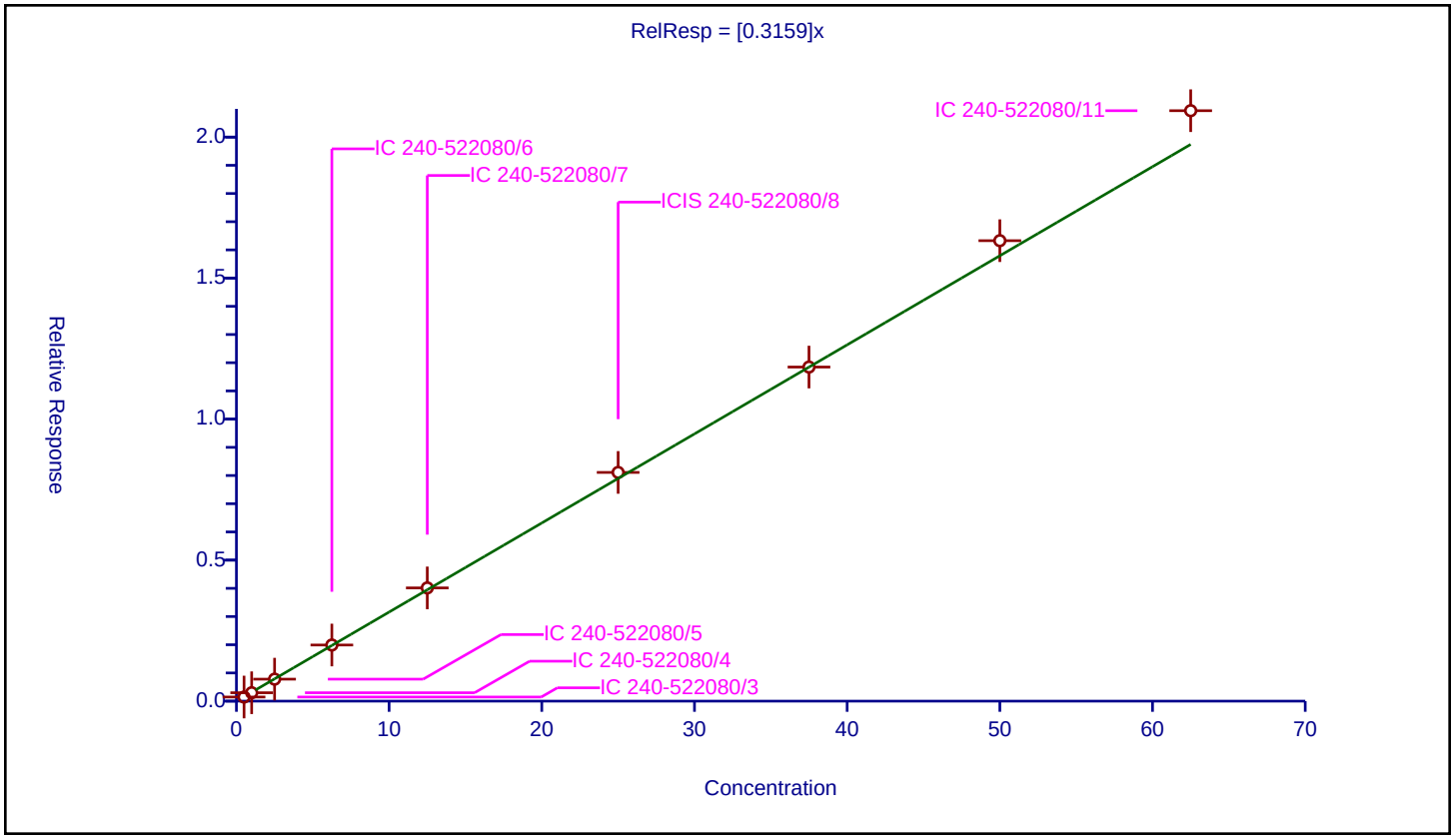
Curve Coefficients

Intercept:	0
Slope:	0.3159

Error Coefficients

Standard Error:	303000
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	IC 240-522080/3	0.5	0.145637	28.9	745534.0	0.291274	Y
2	IC 240-522080/4	1.0	0.298117	28.9	753819.0	0.298117	Y
3	IC 240-522080/5	2.5	0.779334	28.9	771696.0	0.311734	Y
4	IC 240-522080/6	6.25	1.990598	28.9	772937.0	0.318496	Y
5	IC 240-522080/7	12.5	4.015437	28.9	781050.0	0.321235	Y
6	ICIS 240-522080/8	25.0	8.109642	28.9	814036.0	0.324386	Y
7	IC 240-522080/9	37.5	11.846372	28.9	811641.0	0.315903	Y
8	IC 240-522080/10	50.0	16.326747	28.9	813413.0	0.326535	Y
9	IC 240-522080/11	62.5	20.935977	28.9	809800.0	0.334976	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

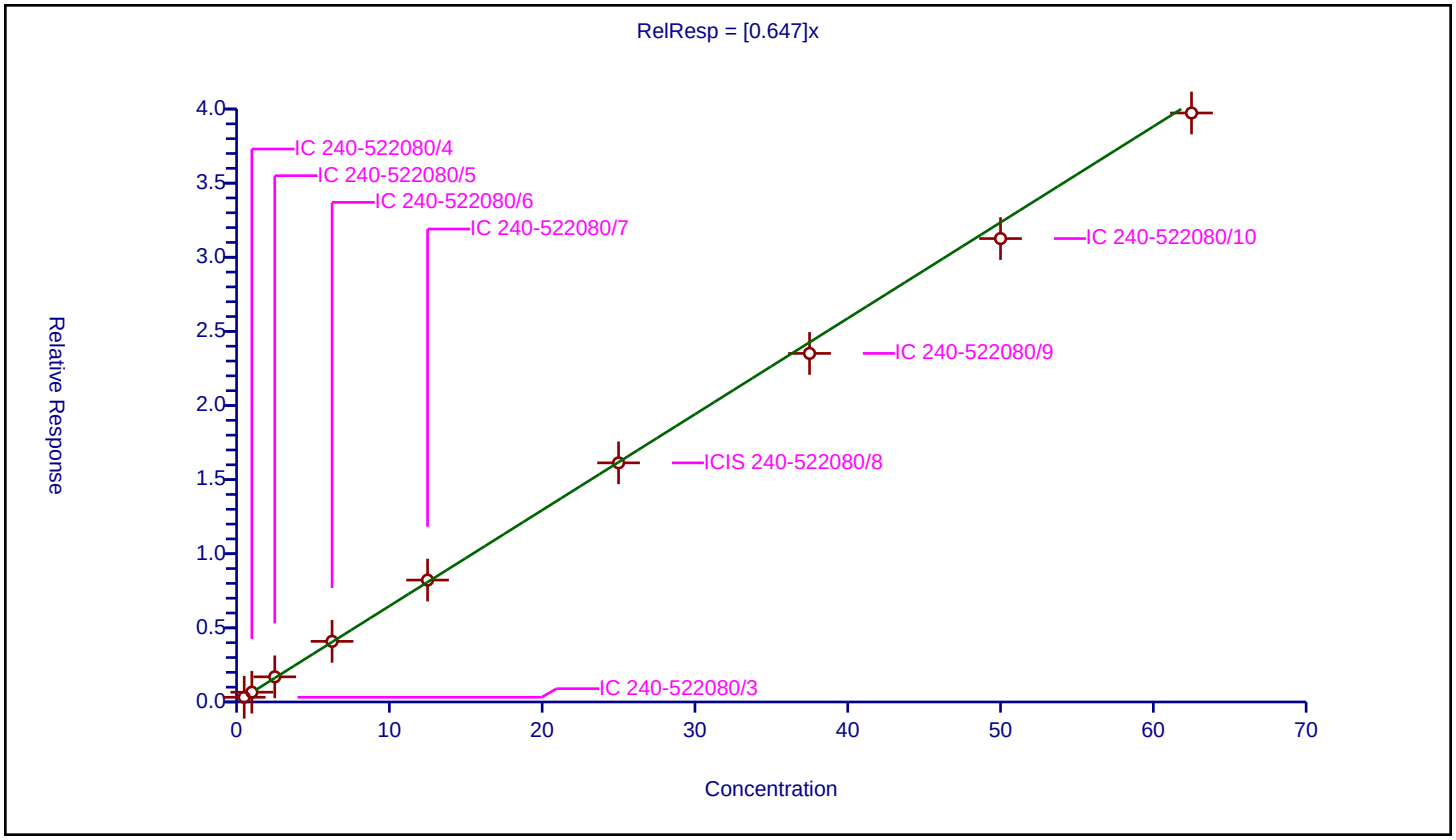
Curve Coefficients

Intercept:	0
Slope:	0.647

Error Coefficients

Standard Error:	583000
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	IC 240-522080/3	0.5	0.319998	28.9	745534.0	0.639996	Y
2	IC 240-522080/4	1.0	0.65861	28.9	753819.0	0.65861	Y
3	IC 240-522080/5	2.5	1.697121	28.9	771696.0	0.678848	Y
4	IC 240-522080/6	6.25	4.089478	28.9	772937.0	0.654316	Y
5	IC 240-522080/7	12.5	8.223466	28.9	781050.0	0.657877	Y
6	ICIS 240-522080/8	25.0	16.130599	28.9	814036.0	0.645224	Y
7	IC 240-522080/9	37.5	23.514282	28.9	811641.0	0.627048	Y
8	IC 240-522080/10	50.0	31.26078	28.9	813413.0	0.625216	Y
9	IC 240-522080/11	62.5	39.73154	28.9	809800.0	0.635705	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

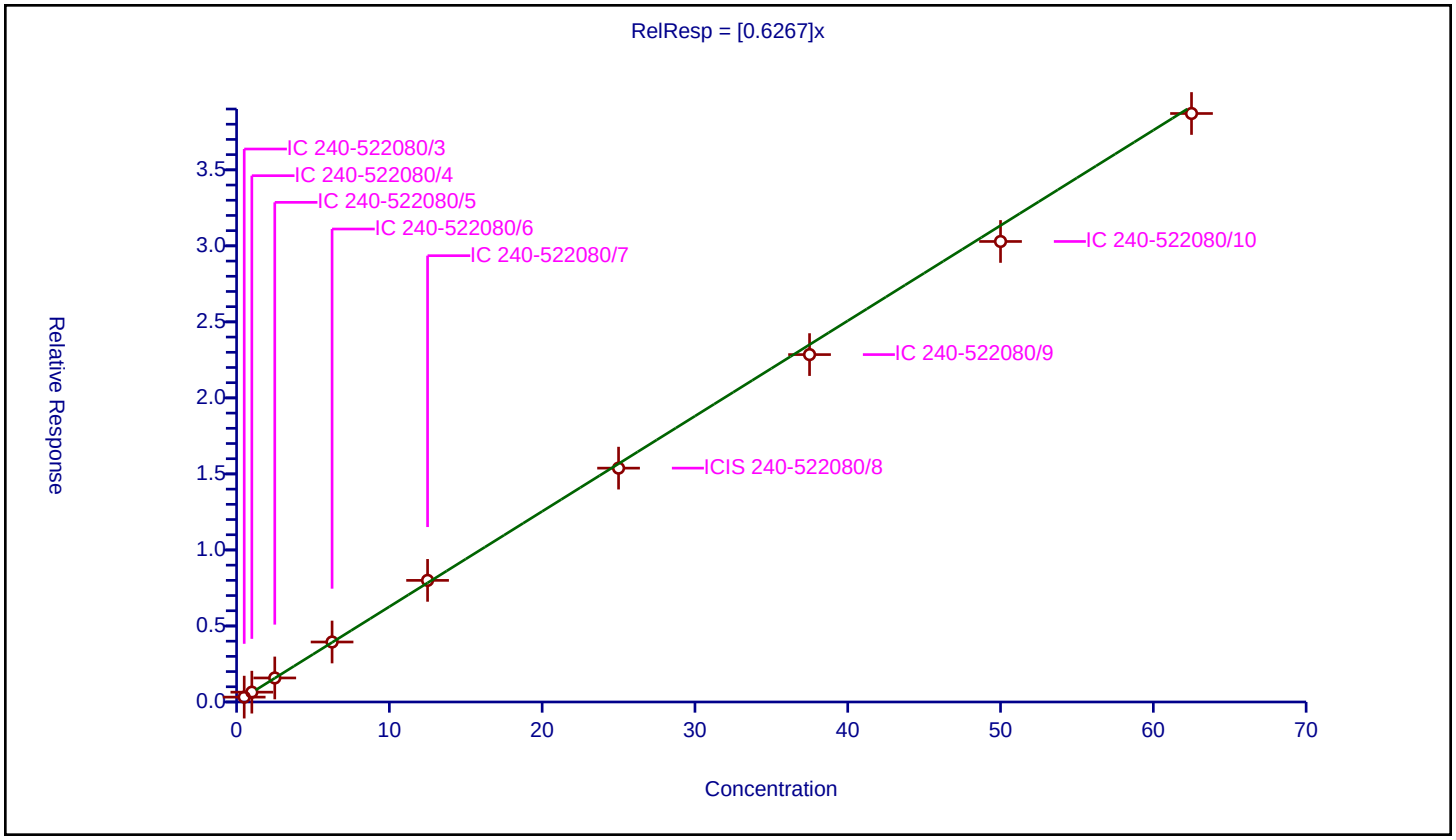
Curve Coefficients

Intercept:	0
Slope:	0.6267

Error Coefficients

Standard Error:	566000
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	IC 240-522080/3	0.5	0.320463	28.9	745534.0	0.640927	Y
2	IC 240-522080/4	1.0	0.647071	28.9	753819.0	0.647071	Y
3	IC 240-522080/5	2.5	1.580352	28.9	771696.0	0.632141	Y
4	IC 240-522080/6	6.25	3.944816	28.9	772937.0	0.631171	Y
5	IC 240-522080/7	12.5	7.998127	28.9	781050.0	0.63985	Y
6	ICIS 240-522080/8	25.0	15.38012	28.9	814036.0	0.615205	Y
7	IC 240-522080/9	37.5	22.848291	28.9	811641.0	0.609288	Y
8	IC 240-522080/10	50.0	30.289054	28.9	813413.0	0.605781	Y
9	IC 240-522080/11	62.5	38.705551	28.9	809800.0	0.619289	Y



Calibration / Styrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

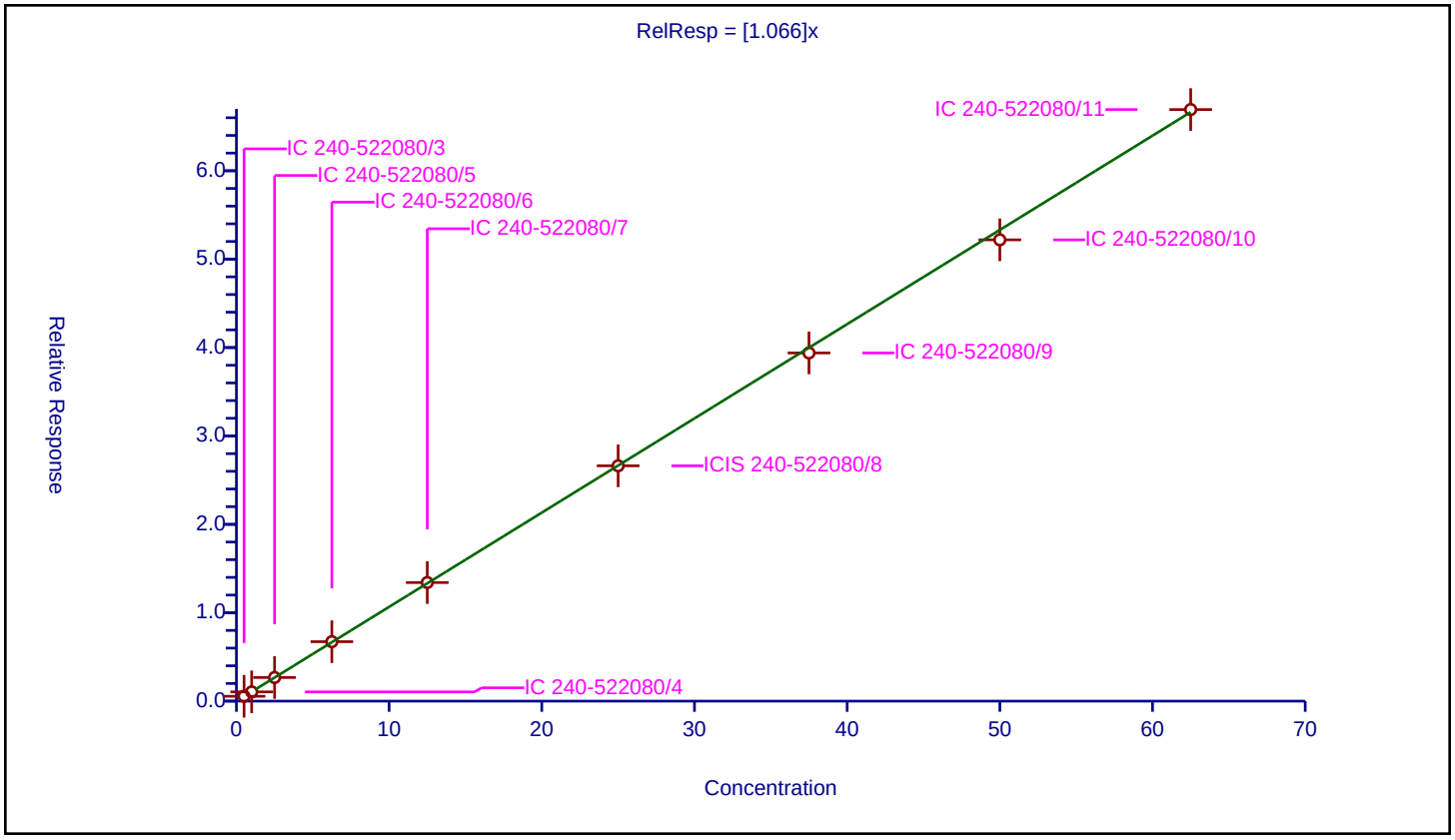
Curve Coefficients

Intercept:	0
Slope:	1.066

Error Coefficients

Standard Error:	977000
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	IC 240-522080/3	0.5	0.549211	28.9	745534.0	1.098421	Y
2	IC 240-522080/4	1.0	1.048279	28.9	753819.0	1.048279	Y
3	IC 240-522080/5	2.5	2.672843	28.9	771696.0	1.069137	Y
4	IC 240-522080/6	6.25	6.72793	28.9	772937.0	1.076469	Y
5	IC 240-522080/7	12.5	13.416956	28.9	781050.0	1.073356	Y
6	ICIS 240-522080/8	25.0	26.62293	28.9	814036.0	1.064917	Y
7	IC 240-522080/9	37.5	39.392492	28.9	811641.0	1.050466	Y
8	IC 240-522080/10	50.0	52.186902	28.9	813413.0	1.043738	Y
9	IC 240-522080/11	62.5	66.925377	28.9	809800.0	1.070806	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

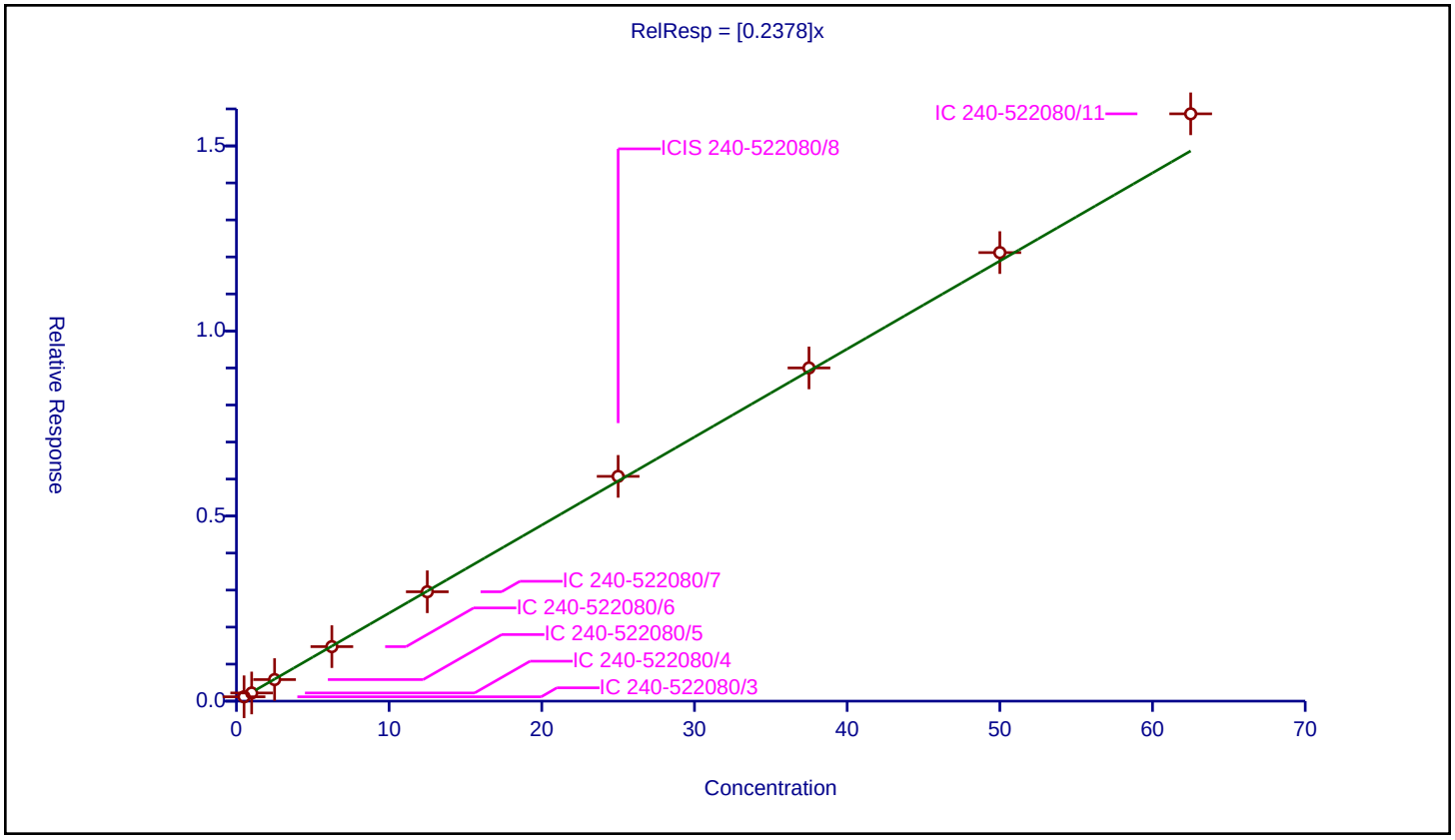
Curve Coefficients

Intercept:	0
Slope:	0.2378

Error Coefficients

Standard Error:	228000
Relative Standard Error:	3.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.117959	28.9	745534.0	0.235919	Y
2	IC 240-522080/4	1.0	0.220559	28.9	753819.0	0.220559	Y
3	IC 240-522080/5	2.5	0.582422	28.9	771696.0	0.232969	Y
4	IC 240-522080/6	6.25	1.472188	28.9	772937.0	0.23555	Y
5	IC 240-522080/7	12.5	2.954494	28.9	781050.0	0.236359	Y
6	ICIS 240-522080/8	25.0	6.072282	28.9	814036.0	0.242891	Y
7	IC 240-522080/9	37.5	9.001596	28.9	811641.0	0.240043	Y
8	IC 240-522080/10	50.0	12.117874	28.9	813413.0	0.242357	Y
9	IC 240-522080/11	62.5	15.866628	28.9	809800.0	0.253866	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

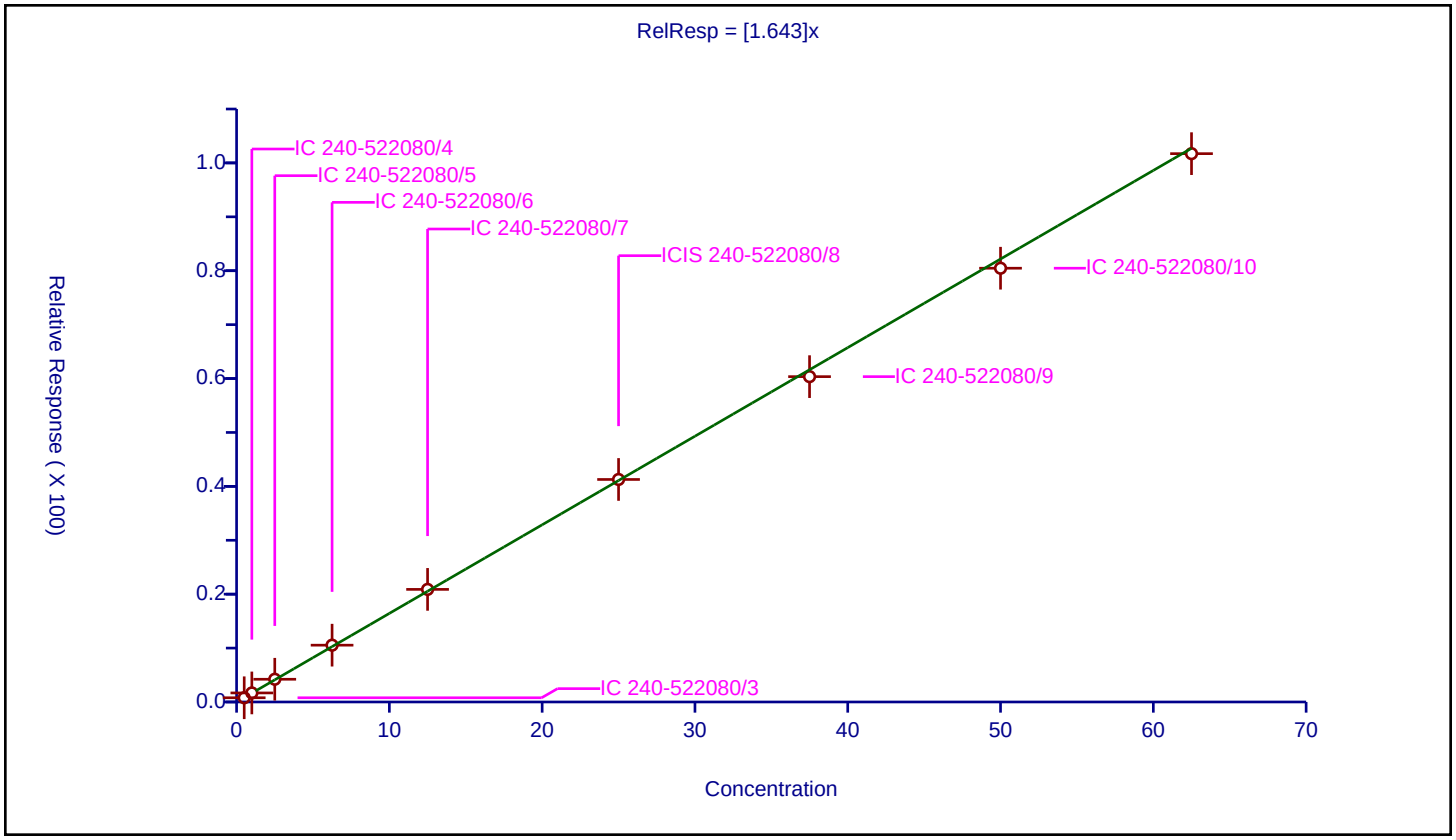
Curve Coefficients

Intercept:	0
Slope:	1.643

Error Coefficients

Standard Error:	1500000
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	IC 240-522080/3	0.5	0.784664	28.9	745534.0	1.569328	Y
2	IC 240-522080/4	1.0	1.68105	28.9	753819.0	1.68105	Y
3	IC 240-522080/5	2.5	4.214696	28.9	771696.0	1.685878	Y
4	IC 240-522080/6	6.25	10.538778	28.9	772937.0	1.686205	Y
5	IC 240-522080/7	12.5	20.88722	28.9	781050.0	1.670978	Y
6	ICIS 240-522080/8	25.0	41.28044	28.9	814036.0	1.651218	Y
7	IC 240-522080/9	37.5	60.35604	28.9	811641.0	1.609494	Y
8	IC 240-522080/10	50.0	80.468195	28.9	813413.0	1.609364	Y
9	IC 240-522080/11	62.5	101.719613	28.9	809800.0	1.627514	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

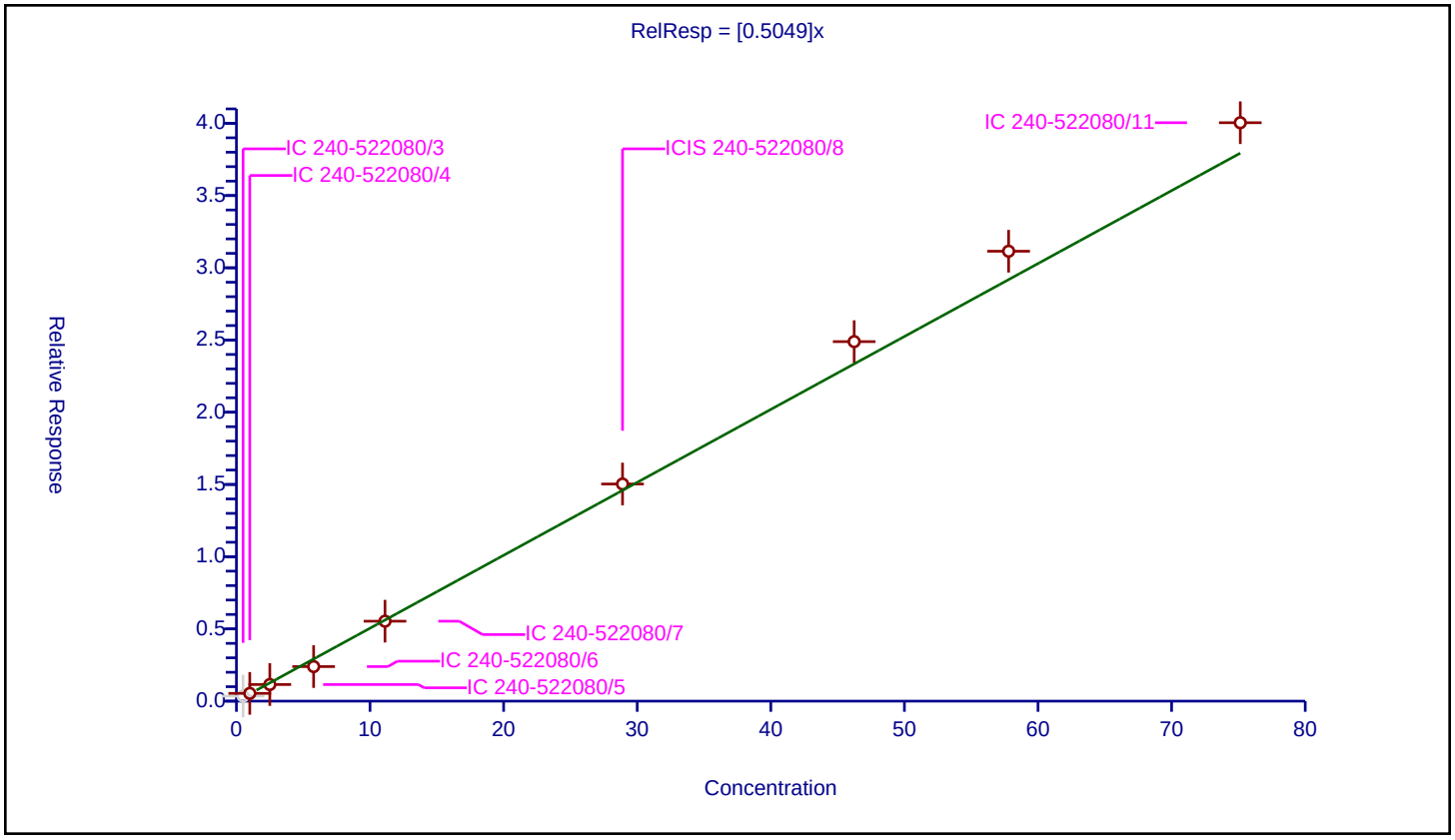
Curve Coefficients

Intercept:	0
Slope:	0.5049

Error Coefficients

Standard Error:	624000
Relative Standard Error:	9.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.351707	28.9	745534.0	0.703414	N
2	IC 240-522080/4	1.0	0.536964	28.9	753819.0	0.536964	Y
3	IC 240-522080/5	2.5	1.150314	28.9	771696.0	0.460125	Y
4	IC 240-522080/6	5.78	2.3931	28.9	772937.0	0.414031	Y
5	IC 240-522080/7	11.12	5.534051	28.9	781050.0	0.497666	Y
6	ICIS 240-522080/8	28.9	15.032554	28.9	814036.0	0.520158	Y
7	IC 240-522080/9	46.24	24.888067	28.9	811641.0	0.538237	Y
8	IC 240-522080/10	57.8	31.14698	28.9	813413.0	0.538875	Y
9	IC 240-522080/11	75.14	40.042738	28.9	809800.0	0.532908	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

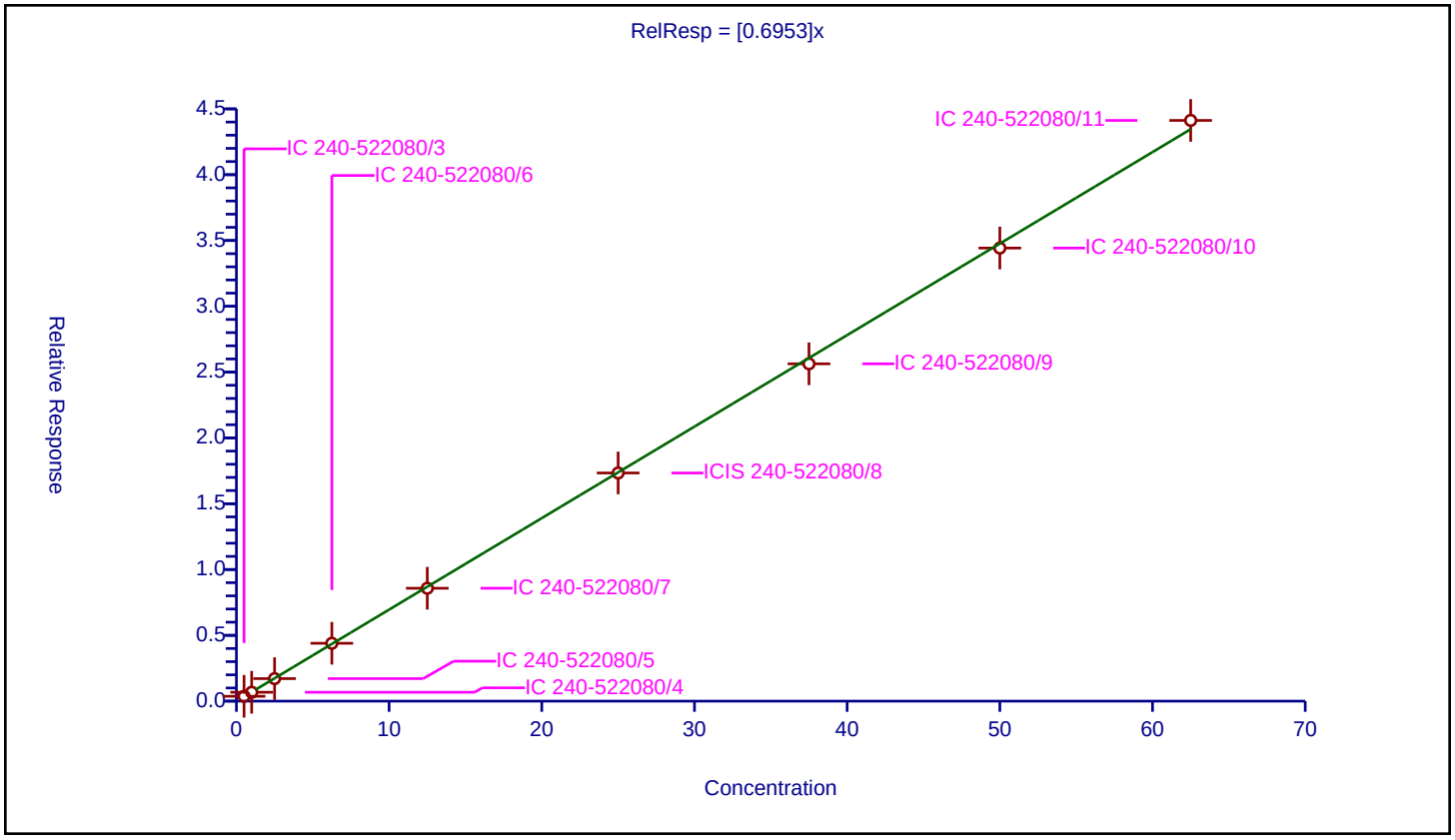
Curve Coefficients

Intercept:	0
Slope:	0.6953

Error Coefficients

Standard Error:	333000
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	IC 240-522080/3	0.5	0.368579	28.9	405689.0	0.737159	Y
2	IC 240-522080/4	1.0	0.674798	28.9	411445.0	0.674798	Y
3	IC 240-522080/5	2.5	1.711379	28.9	414423.0	0.684552	Y
4	IC 240-522080/6	6.25	4.395825	28.9	416930.0	0.703332	Y
5	IC 240-522080/7	12.5	8.578314	28.9	417458.0	0.686265	Y
6	ICIS 240-522080/8	25.0	17.335282	28.9	432421.0	0.693411	Y
7	IC 240-522080/9	37.5	25.631709	28.9	426352.0	0.683512	Y
8	IC 240-522080/10	50.0	34.425759	28.9	423064.0	0.688515	Y
9	IC 240-522080/11	62.5	44.123972	28.9	416881.0	0.705984	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

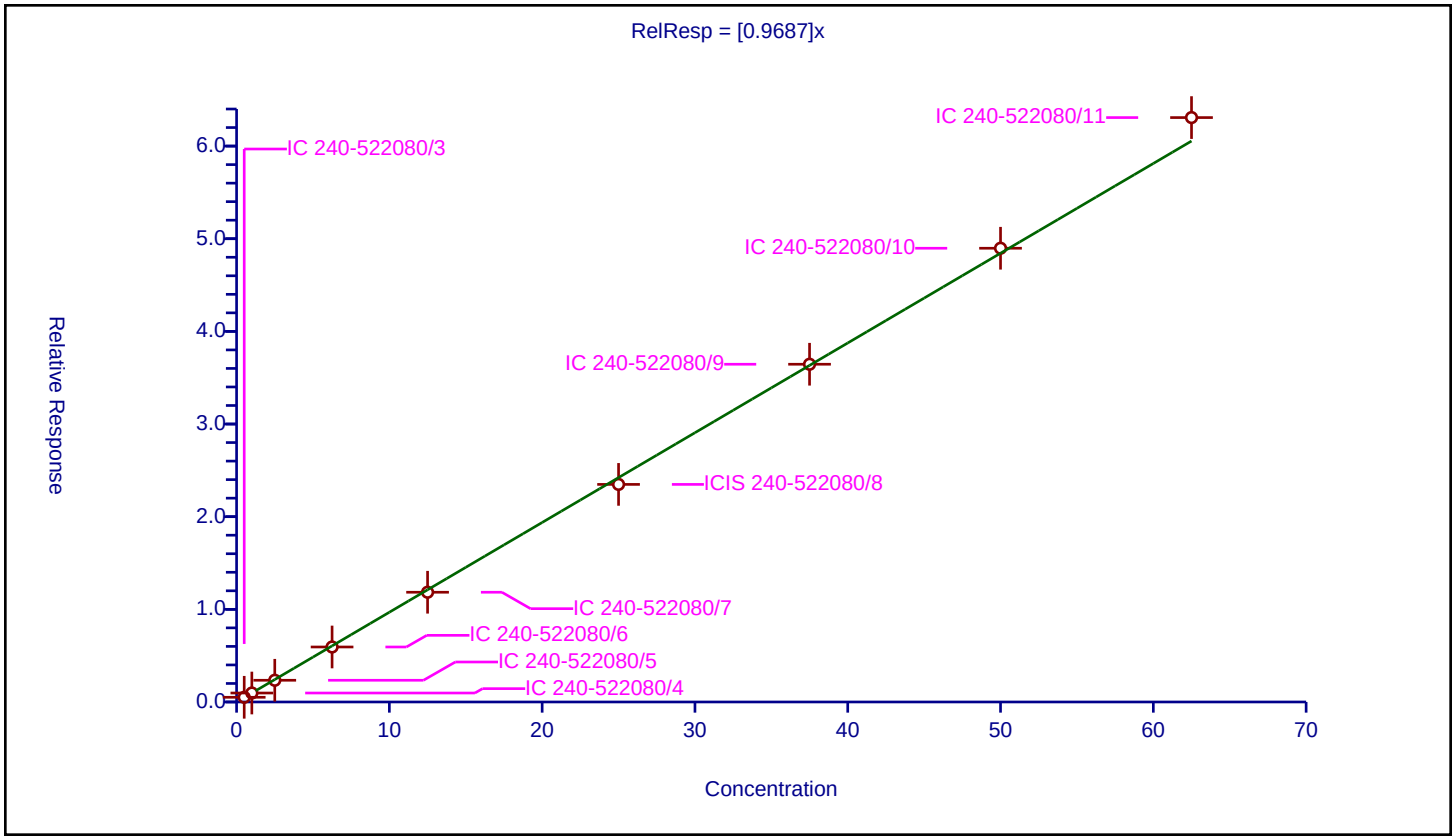
Curve Coefficients

Intercept:	0
Slope:	0.9687

Error Coefficients

Standard Error:	473000
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	IC 240-522080/3	0.5	0.507562	28.9	405689.0	1.015125	Y
2	IC 240-522080/4	1.0	0.968051	28.9	411445.0	0.968051	Y
3	IC 240-522080/5	2.5	2.344229	28.9	414423.0	0.937692	Y
4	IC 240-522080/6	6.25	5.935823	28.9	416930.0	0.949732	Y
5	IC 240-522080/7	12.5	11.845969	28.9	417458.0	0.947678	Y
6	ICIS 240-522080/8	25.0	23.483652	28.9	432421.0	0.939346	Y
7	IC 240-522080/9	37.5	36.45267	28.9	426352.0	0.972071	Y
8	IC 240-522080/10	50.0	48.973171	28.9	423064.0	0.979463	Y
9	IC 240-522080/11	62.5	63.077177	28.9	416881.0	1.009235	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

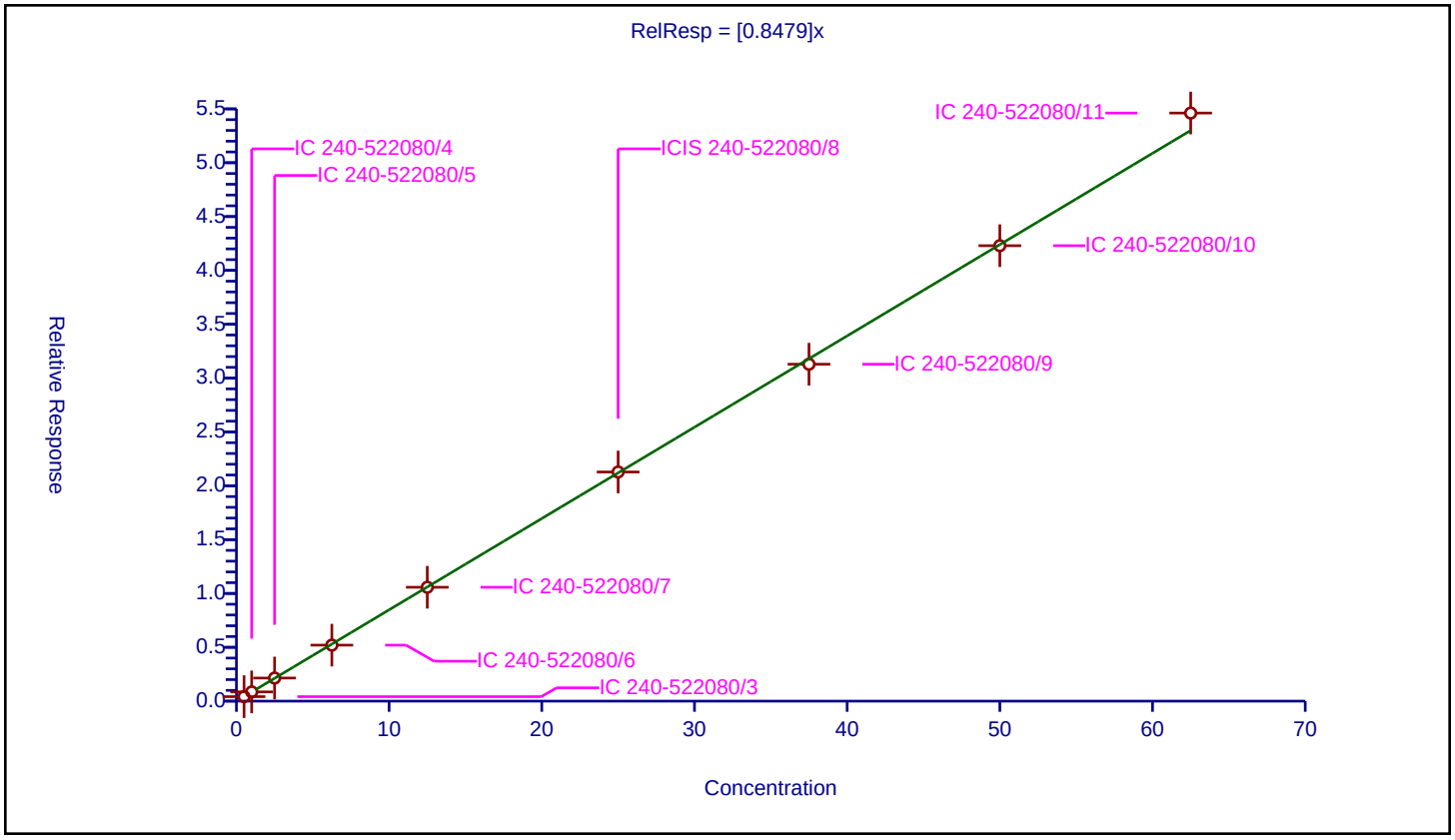
Curve Coefficients

Intercept:	0
Slope:	0.8479

Error Coefficients

Standard Error:	411000
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	IC 240-522080/3	0.5	0.416735	28.9	405689.0	0.833471	Y
2	IC 240-522080/4	1.0	0.856018	28.9	411445.0	0.856018	Y
3	IC 240-522080/5	2.5	2.14611	28.9	414423.0	0.858444	Y
4	IC 240-522080/6	6.25	5.200863	28.9	416930.0	0.832138	Y
5	IC 240-522080/7	12.5	10.575903	28.9	417458.0	0.846072	Y
6	ICIS 240-522080/8	25.0	21.280836	28.9	432421.0	0.851233	Y
7	IC 240-522080/9	37.5	31.290483	28.9	426352.0	0.834413	Y
8	IC 240-522080/10	50.0	42.297052	28.9	423064.0	0.845941	Y
9	IC 240-522080/11	62.5	54.613299	28.9	416881.0	0.873813	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

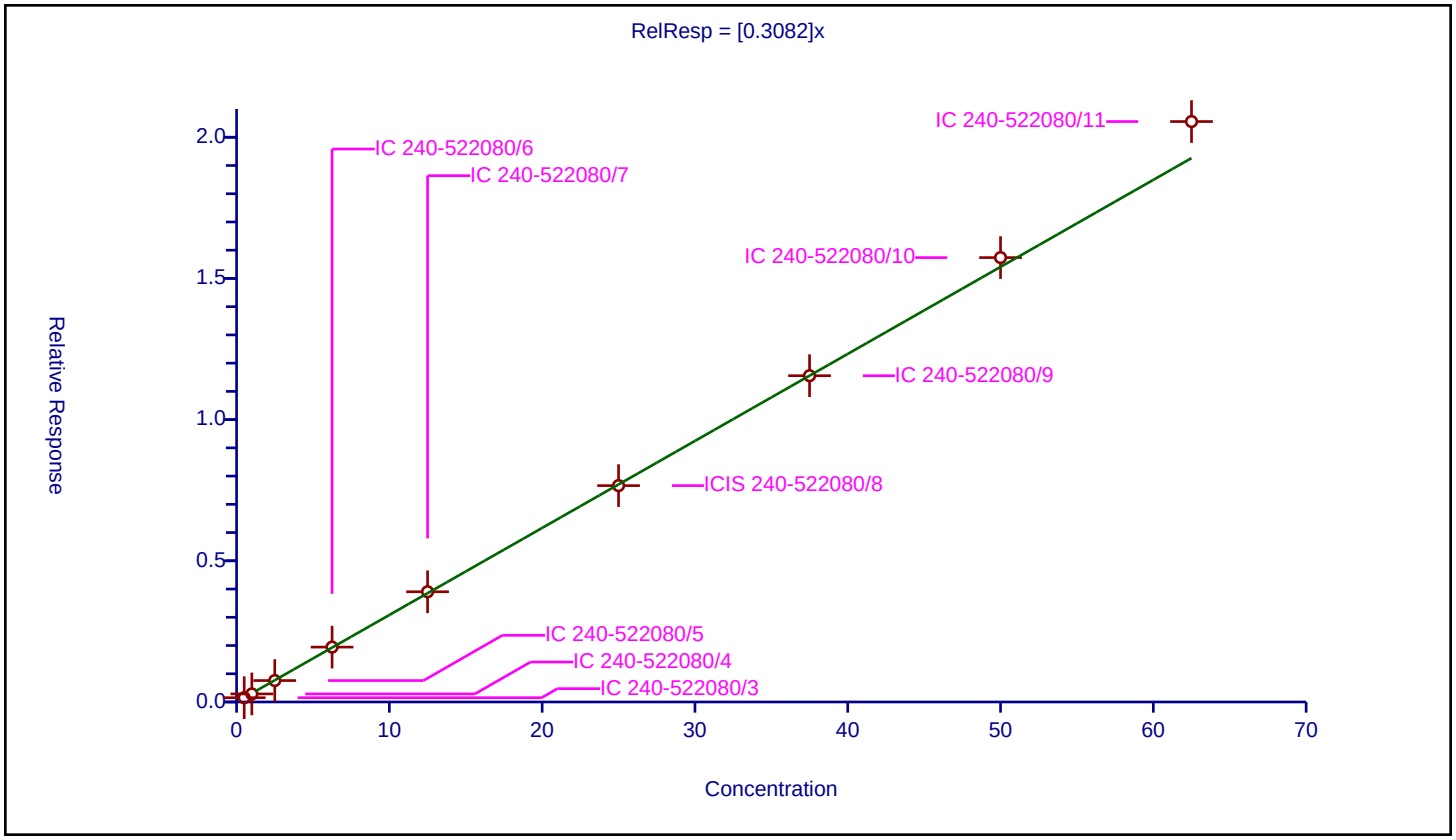
Curve Coefficients

Intercept:	0
Slope:	0.3082

Error Coefficients

Standard Error:	153000
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	IC 240-522080/3	0.5	0.151236	28.9	405689.0	0.302472	Y
2	IC 240-522080/4	1.0	0.286089	28.9	411445.0	0.286089	Y
3	IC 240-522080/5	2.5	0.758443	28.9	414423.0	0.303377	Y
4	IC 240-522080/6	6.25	1.943903	28.9	416930.0	0.311025	Y
5	IC 240-522080/7	12.5	3.903935	28.9	417458.0	0.312315	Y
6	ICIS 240-522080/8	25.0	7.66274	28.9	432421.0	0.30651	Y
7	IC 240-522080/9	37.5	11.554726	28.9	426352.0	0.308126	Y
8	IC 240-522080/10	50.0	15.737871	28.9	423064.0	0.314757	Y
9	IC 240-522080/11	62.5	20.55633	28.9	416881.0	0.328901	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

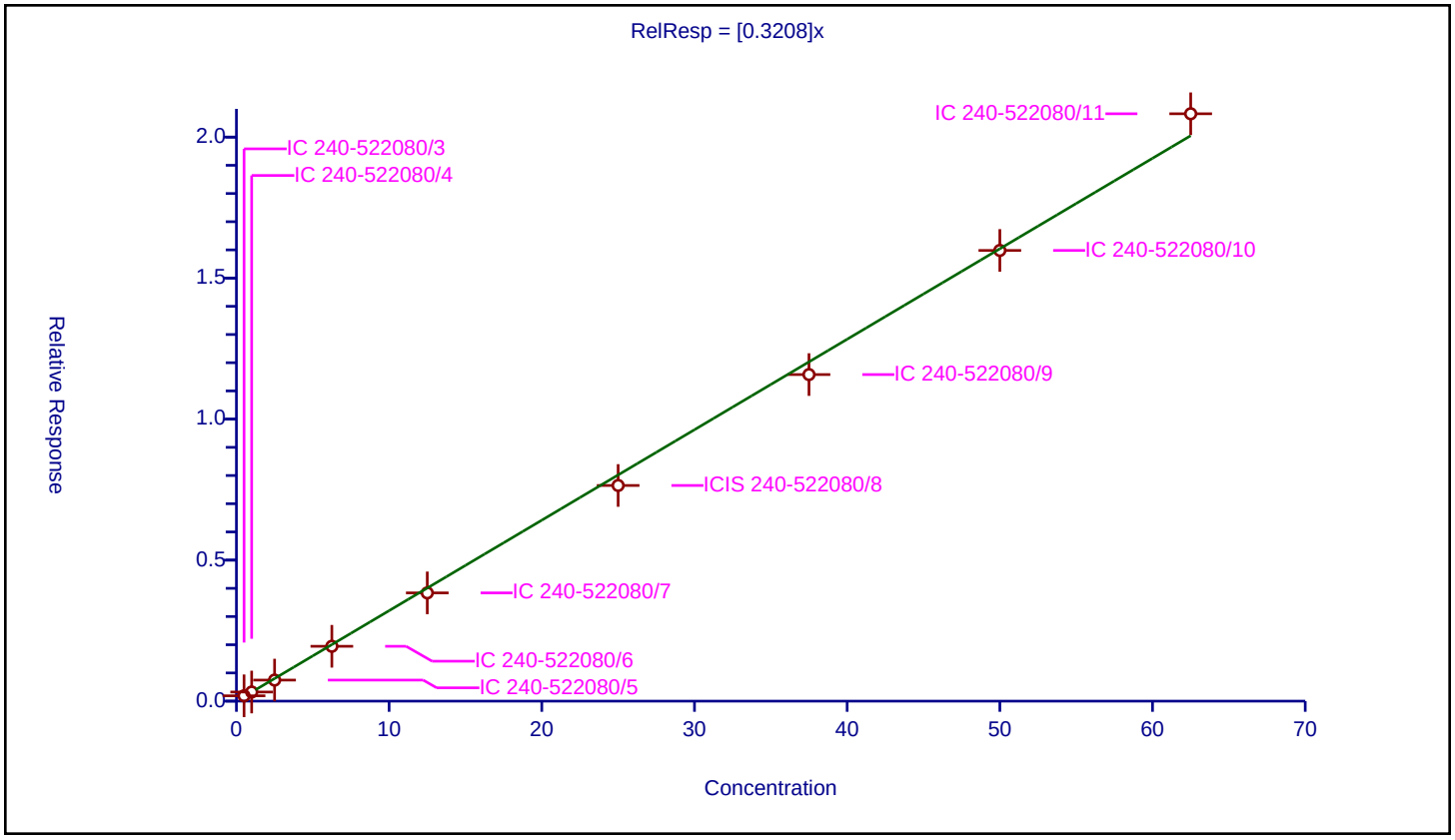
Curve Coefficients

Intercept:	0
Slope:	0.3208

Error Coefficients

Standard Error:	155000
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	IC 240-522080/3	0.5	0.189419	28.9	405689.0	0.378837	Y
2	IC 240-522080/4	1.0	0.323878	28.9	411445.0	0.323878	Y
3	IC 240-522080/5	2.5	0.746937	28.9	414423.0	0.298775	Y
4	IC 240-522080/6	6.25	1.944527	28.9	416930.0	0.311124	Y
5	IC 240-522080/7	12.5	3.838791	28.9	417458.0	0.307103	Y
6	ICIS 240-522080/8	25.0	7.647167	28.9	432421.0	0.305887	Y
7	IC 240-522080/9	37.5	11.579603	28.9	426352.0	0.308789	Y
8	IC 240-522080/10	50.0	15.98099	28.9	423064.0	0.31962	Y
9	IC 240-522080/11	62.5	20.827527	28.9	416881.0	0.33324	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

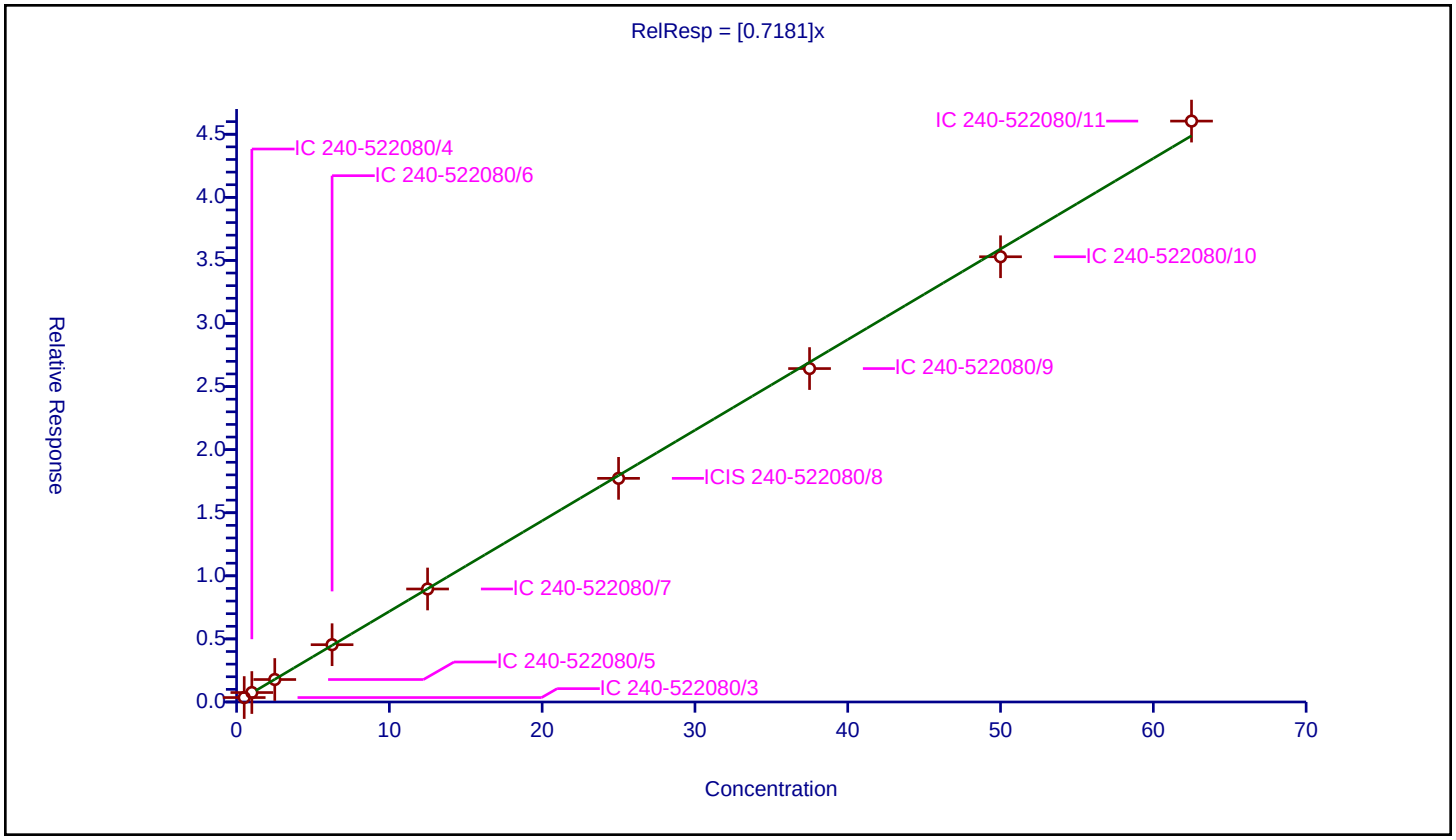
Curve Coefficients

Intercept:	0
Slope:	0.7181

Error Coefficients

Standard Error:	345000
Relative Standard Error:	2.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.351198	28.9	405689.0	0.702395	Y
2	IC 240-522080/4	1.0	0.74848	28.9	411445.0	0.74848	Y
3	IC 240-522080/5	2.5	1.781742	28.9	414423.0	0.712697	Y
4	IC 240-522080/6	6.25	4.54028	28.9	416930.0	0.726445	Y
5	IC 240-522080/7	12.5	8.956994	28.9	417458.0	0.71656	Y
6	ICIS 240-522080/8	25.0	17.726589	28.9	432421.0	0.709064	Y
7	IC 240-522080/9	37.5	26.42743	28.9	426352.0	0.704731	Y
8	IC 240-522080/10	50.0	35.289964	28.9	423064.0	0.705799	Y
9	IC 240-522080/11	62.5	46.041968	28.9	416881.0	0.736671	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

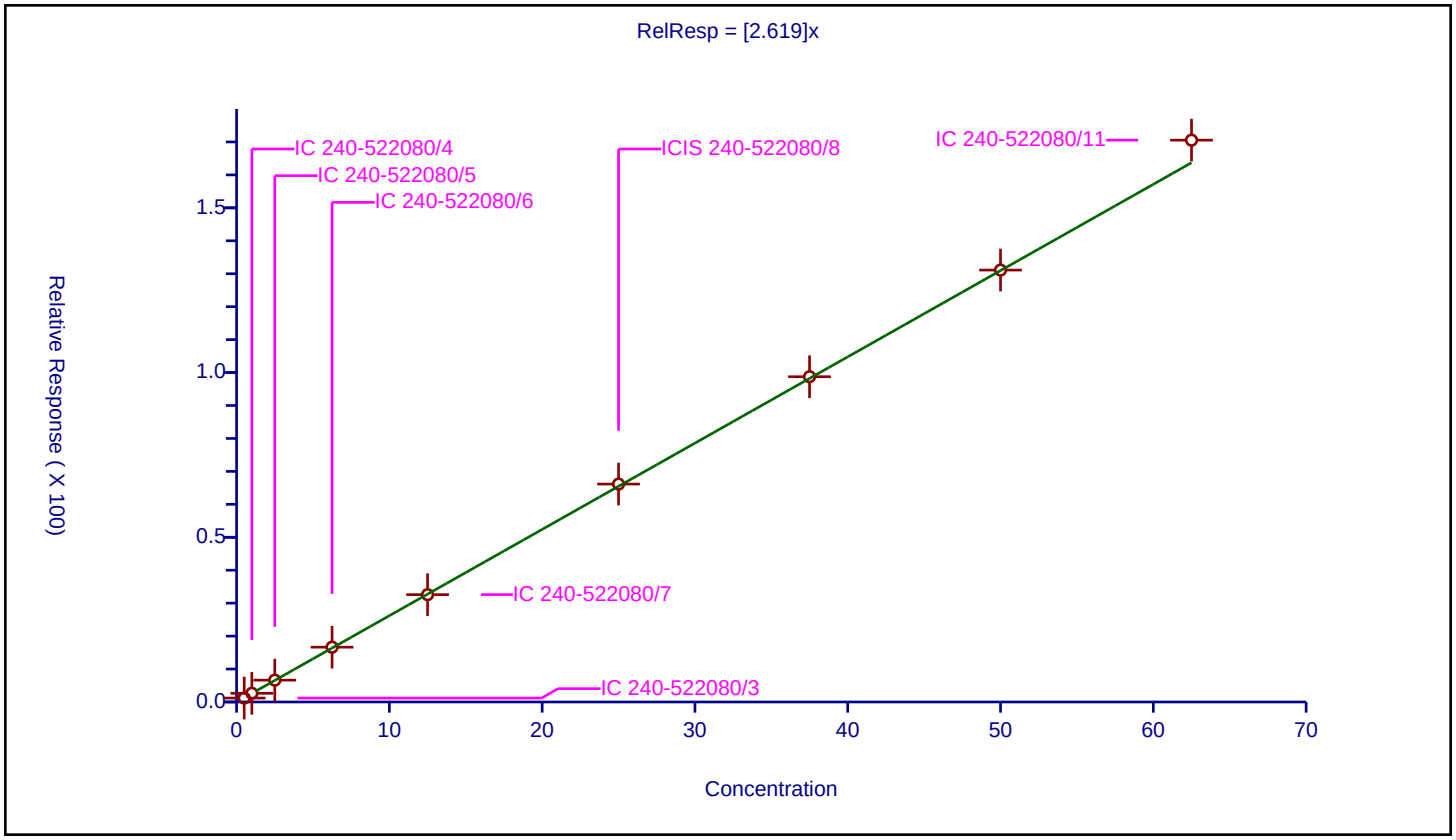
Curve Coefficients

Intercept:	0
Slope:	2.619

Error Coefficients

Standard Error:	1280000
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	IC 240-522080/3	0.5	1.193787	28.9	405689.0	2.387574	Y
2	IC 240-522080/4	1.0	2.636819	28.9	411445.0	2.636819	Y
3	IC 240-522080/5	2.5	6.622851	28.9	414423.0	2.649141	Y
4	IC 240-522080/6	6.25	16.641085	28.9	416930.0	2.662574	Y
5	IC 240-522080/7	12.5	32.585519	28.9	417458.0	2.606842	Y
6	ICIS 240-522080/8	25.0	66.143367	28.9	432421.0	2.645735	Y
7	IC 240-522080/9	37.5	98.74013	28.9	426352.0	2.63307	Y
8	IC 240-522080/10	50.0	131.104793	28.9	423064.0	2.622096	Y
9	IC 240-522080/11	62.5	170.543005	28.9	416881.0	2.728688	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

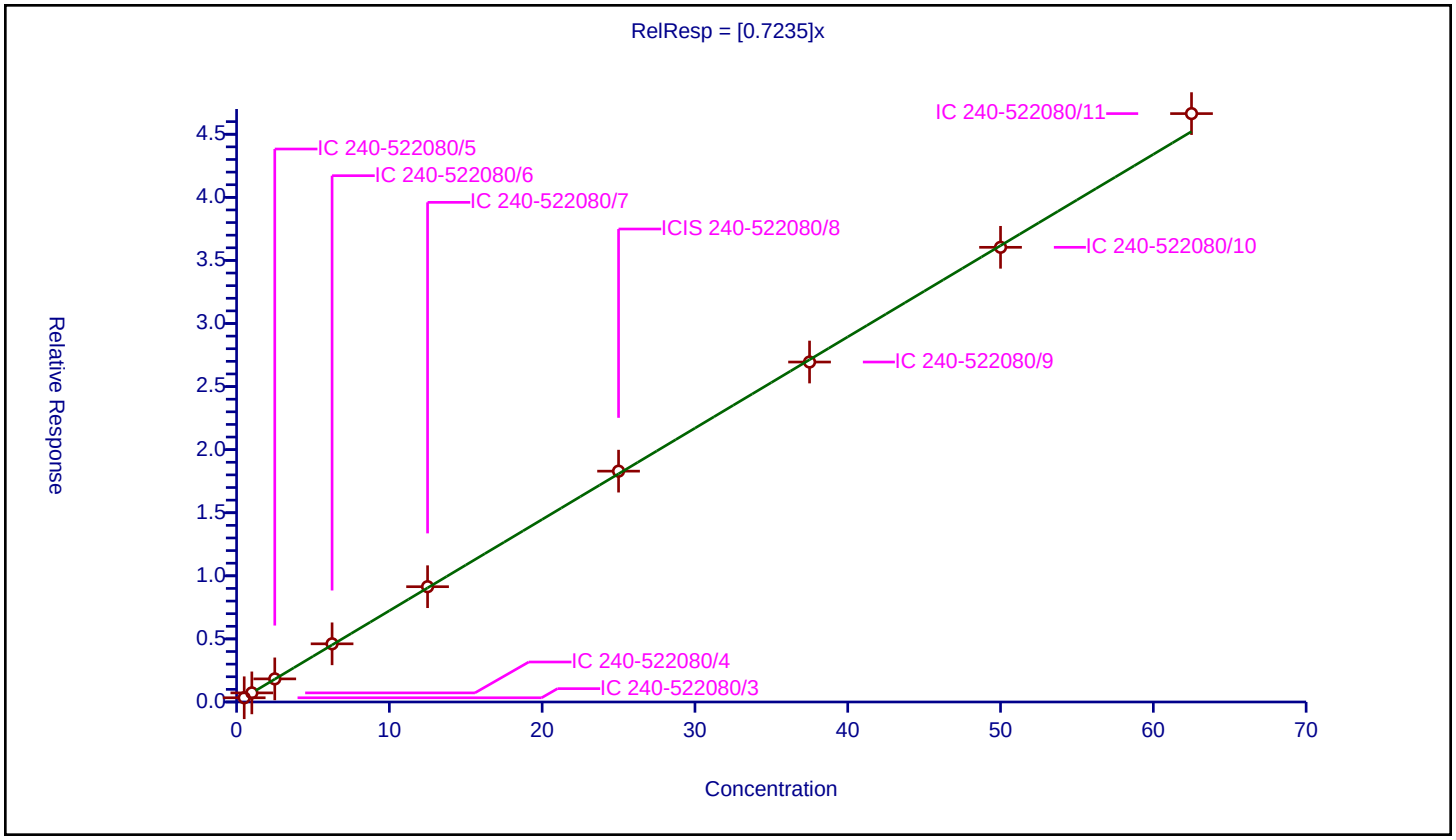
Curve Coefficients

Intercept:	0
Slope:	0.7235

Error Coefficients

Standard Error:	351000
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	IC 240-522080/3	0.5	0.33581	28.9	405689.0	0.671621	Y
2	IC 240-522080/4	1.0	0.721016	28.9	411445.0	0.721016	Y
3	IC 240-522080/5	2.5	1.830487	28.9	414423.0	0.732195	Y
4	IC 240-522080/6	6.25	4.611329	28.9	416930.0	0.737813	Y
5	IC 240-522080/7	12.5	9.138857	28.9	417458.0	0.731109	Y
6	ICIS 240-522080/8	25.0	18.296541	28.9	432421.0	0.731862	Y
7	IC 240-522080/9	37.5	26.944963	28.9	426352.0	0.718532	Y
8	IC 240-522080/10	50.0	36.038245	28.9	423064.0	0.720765	Y
9	IC 240-522080/11	62.5	46.635523	28.9	416881.0	0.746168	Y



Calibration / tert-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

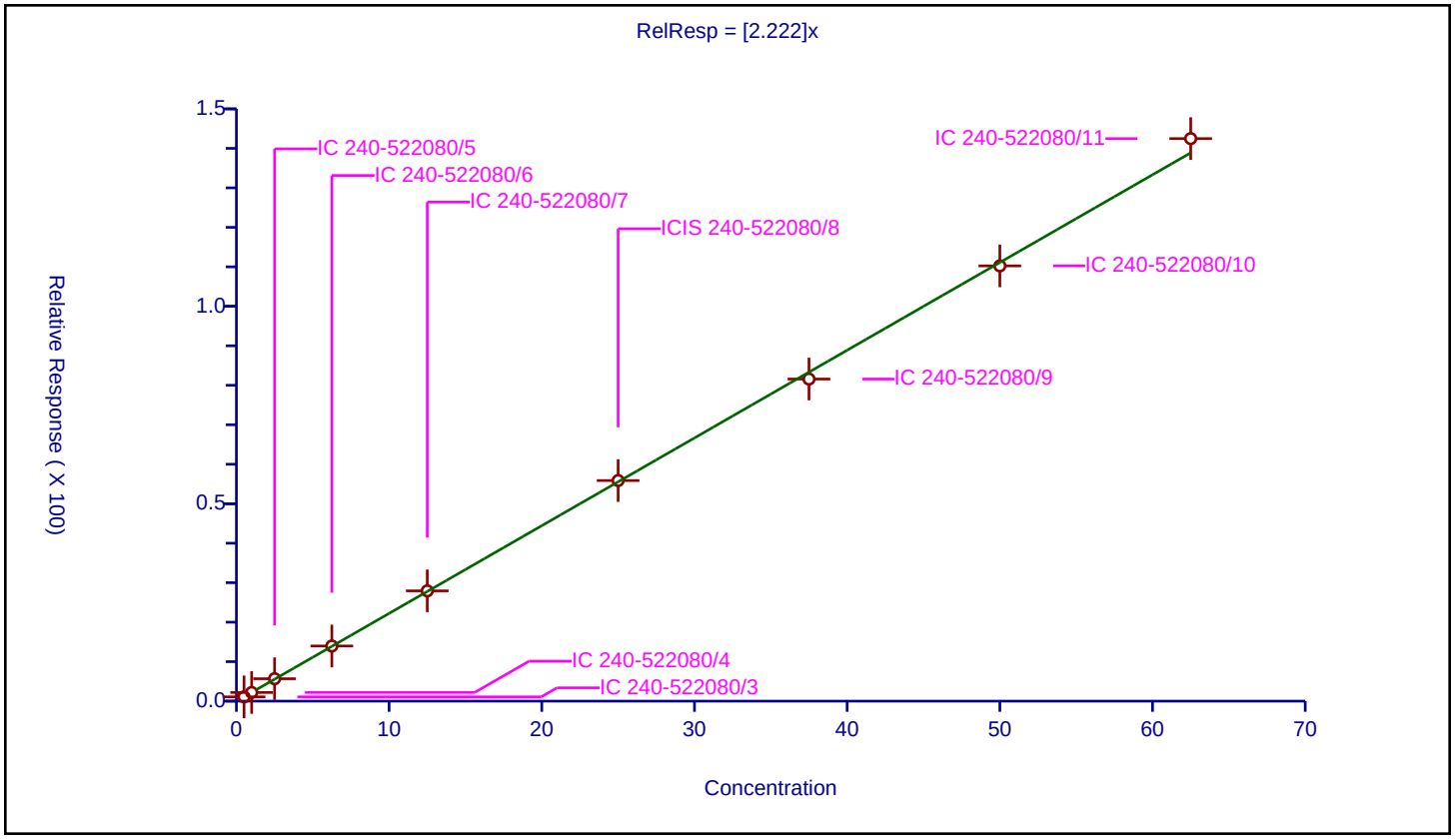
Curve Coefficients

Intercept:	0
Slope:	2.222

Error Coefficients

Standard Error:	1070000
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	IC 240-522080/3	0.5	1.08337	28.9	405689.0	2.16674	Y
2	IC 240-522080/4	1.0	2.196975	28.9	411445.0	2.196975	Y
3	IC 240-522080/5	2.5	5.675564	28.9	414423.0	2.270226	Y
4	IC 240-522080/6	6.25	13.965896	28.9	416930.0	2.234543	Y
5	IC 240-522080/7	12.5	27.929347	28.9	417458.0	2.234348	Y
6	ICIS 240-522080/8	25.0	55.872603	28.9	432421.0	2.234904	Y
7	IC 240-522080/9	37.5	81.575773	28.9	426352.0	2.175354	Y
8	IC 240-522080/10	50.0	110.238119	28.9	423064.0	2.204762	Y
9	IC 240-522080/11	62.5	142.470461	28.9	416881.0	2.279527	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

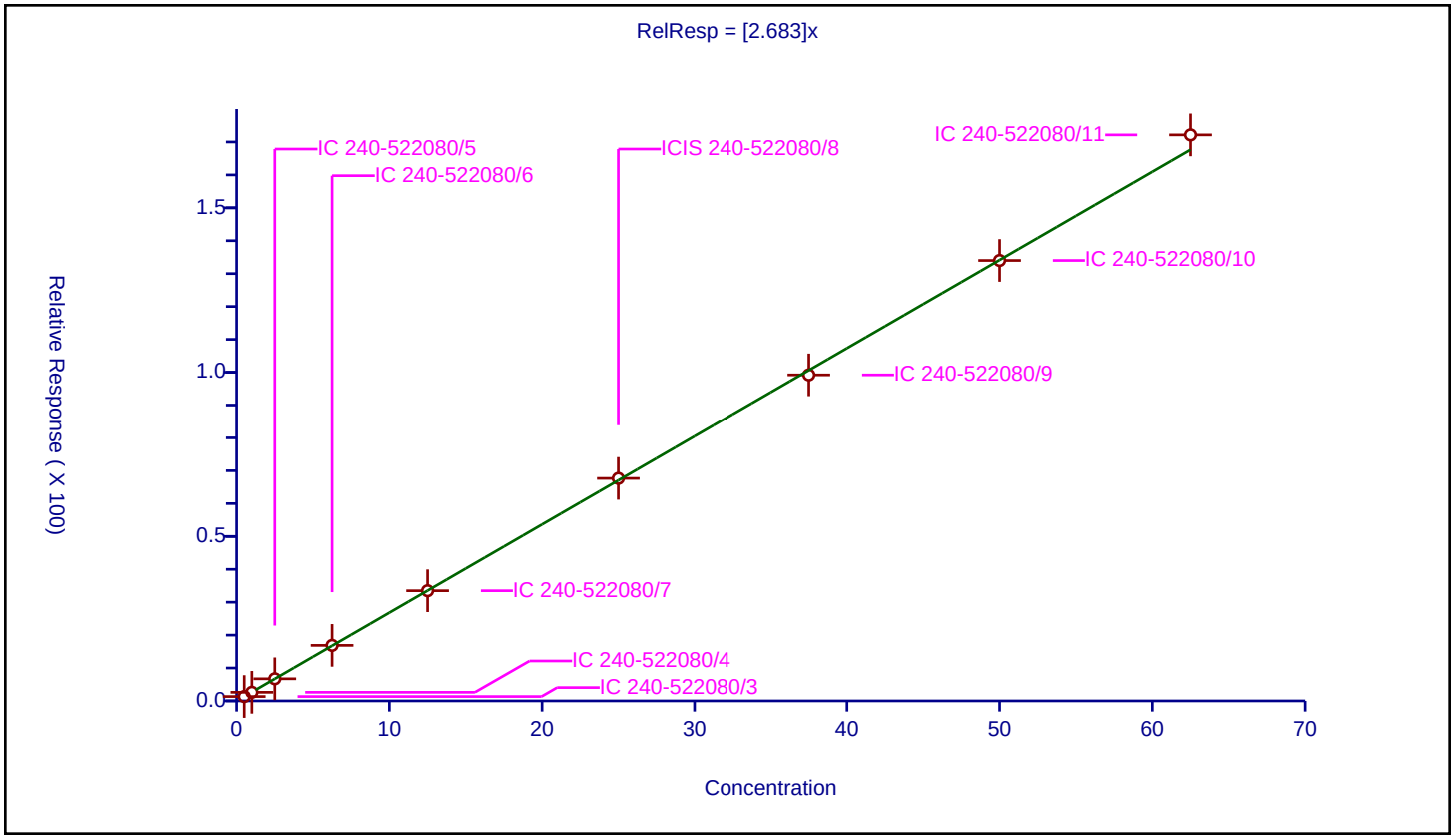
Curve Coefficients

Intercept:	0
Slope:	2.683

Error Coefficients

Standard Error:	1300000
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	IC 240-522080/3	0.5	1.332984	28.9	405689.0	2.665967	Y
2	IC 240-522080/4	1.0	2.621928	28.9	411445.0	2.621928	Y
3	IC 240-522080/5	2.5	6.725084	28.9	414423.0	2.690033	Y
4	IC 240-522080/6	6.25	16.877661	28.9	416930.0	2.700426	Y
5	IC 240-522080/7	12.5	33.491374	28.9	417458.0	2.67931	Y
6	ICIS 240-522080/8	25.0	67.66609	28.9	432421.0	2.706644	Y
7	IC 240-522080/9	37.5	99.187778	28.9	426352.0	2.645007	Y
8	IC 240-522080/10	50.0	133.998728	28.9	423064.0	2.679975	Y
9	IC 240-522080/11	62.5	172.15542	28.9	416881.0	2.754487	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

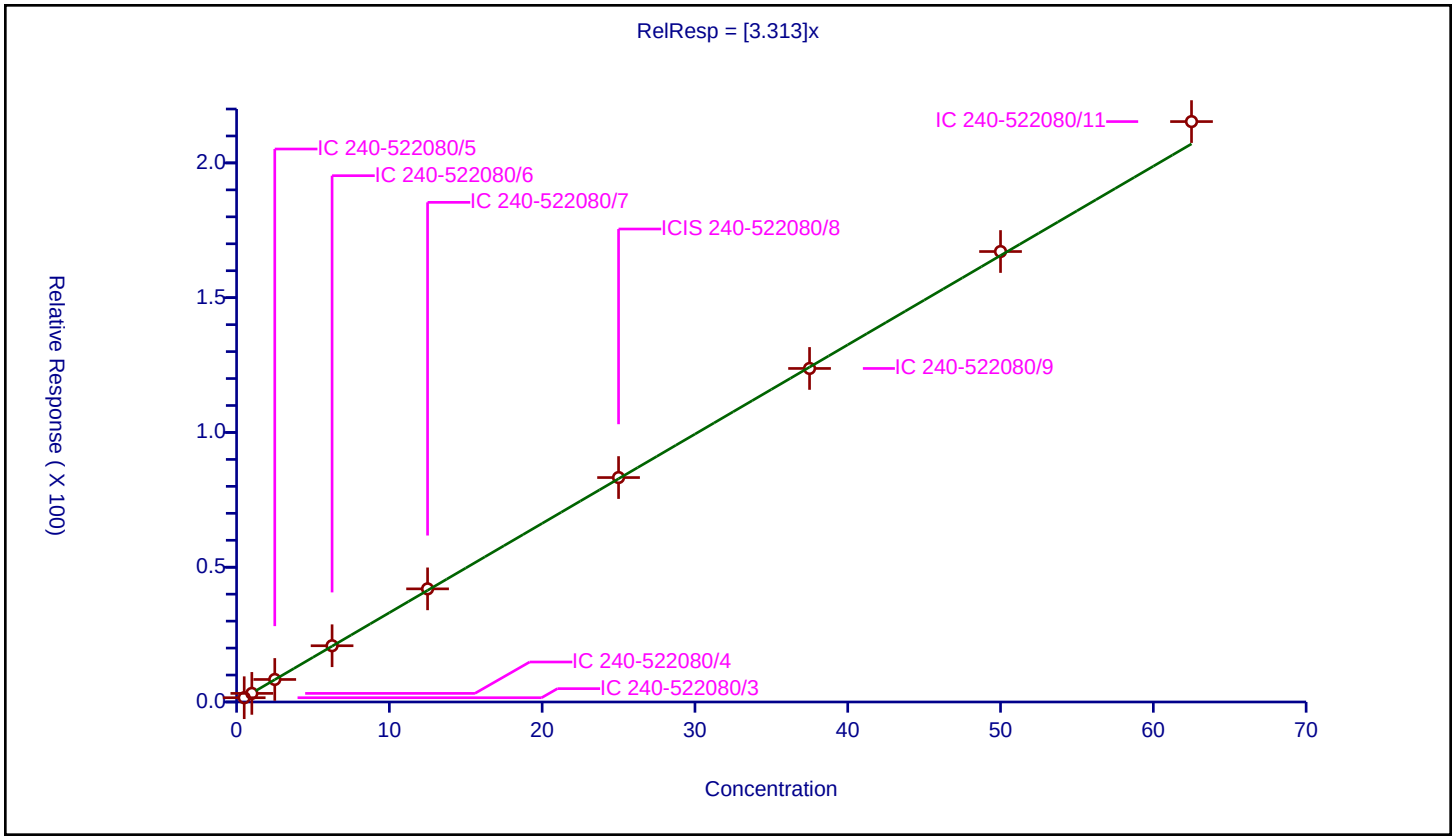
Curve Coefficients

Intercept:	0
Slope:	3.313

Error Coefficients

Standard Error:	1620000
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	IC 240-522080/3	0.5	1.583595	28.9	405689.0	3.16719	Y
2	IC 240-522080/4	1.0	3.192349	28.9	411445.0	3.192349	Y
3	IC 240-522080/5	2.5	8.354314	28.9	414423.0	3.341726	Y
4	IC 240-522080/6	6.25	20.868125	28.9	416930.0	3.3389	Y
5	IC 240-522080/7	12.5	41.976437	28.9	417458.0	3.358115	Y
6	ICIS 240-522080/8	25.0	83.271867	28.9	432421.0	3.330875	Y
7	IC 240-522080/9	37.5	123.740563	28.9	426352.0	3.299748	Y
8	IC 240-522080/10	50.0	167.131425	28.9	423064.0	3.342628	Y
9	IC 240-522080/11	62.5	215.342473	28.9	416881.0	3.44548	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

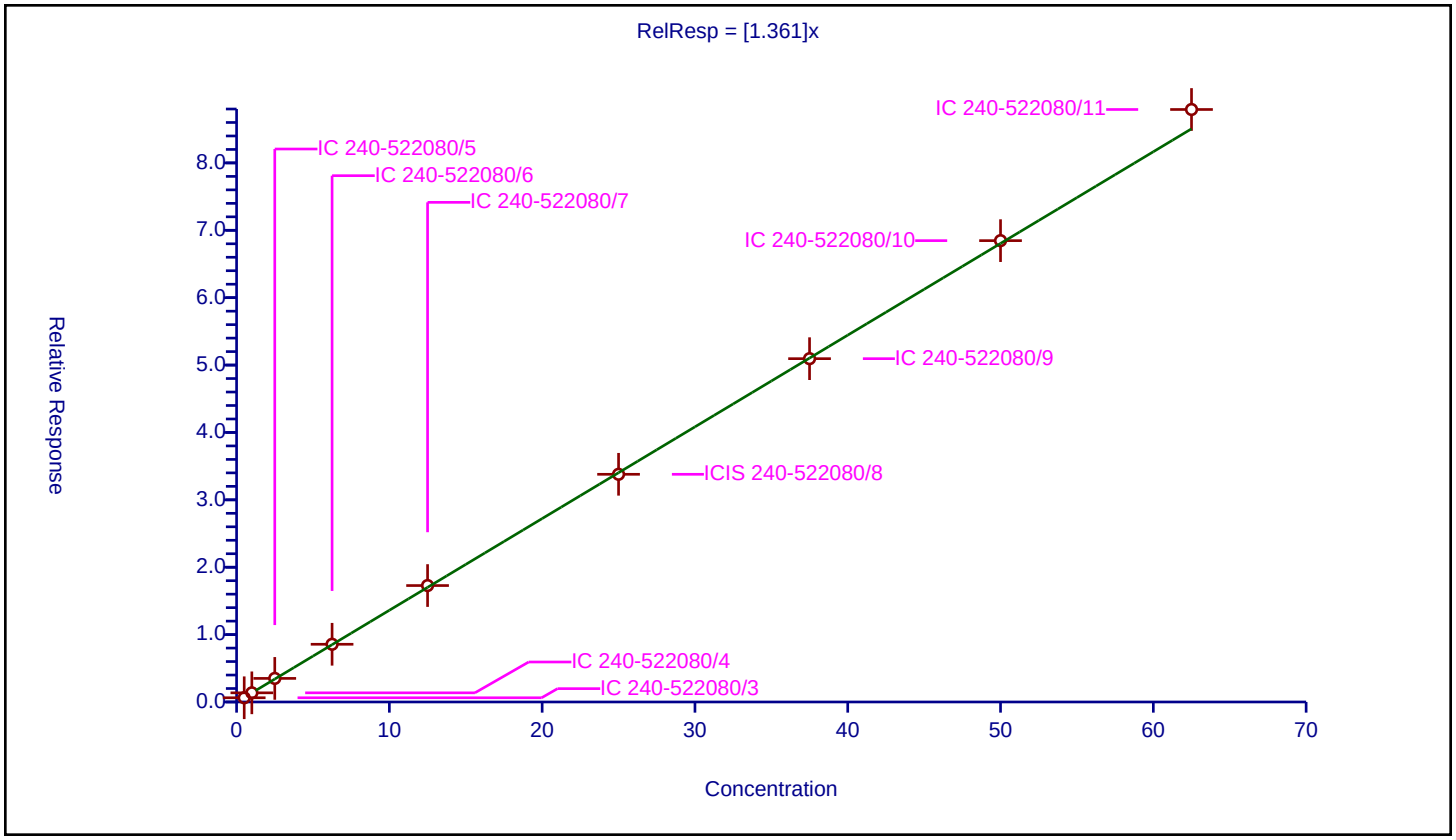
Curve Coefficients

Intercept:	0
Slope:	1.361

Error Coefficients

Standard Error:	663000
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	IC 240-522080/3	0.5	0.625459	28.9	405689.0	1.250919	Y
2	IC 240-522080/4	1.0	1.358587	28.9	411445.0	1.358587	Y
3	IC 240-522080/5	2.5	3.499607	28.9	414423.0	1.399843	Y
4	IC 240-522080/6	6.25	8.567481	28.9	416930.0	1.370797	Y
5	IC 240-522080/7	12.5	17.27847	28.9	417458.0	1.382278	Y
6	ICIS 240-522080/8	25.0	33.791375	28.9	432421.0	1.351655	Y
7	IC 240-522080/9	37.5	50.948627	28.9	426352.0	1.35863	Y
8	IC 240-522080/10	50.0	68.4672	28.9	423064.0	1.369344	Y
9	IC 240-522080/11	62.5	87.927457	28.9	416881.0	1.406839	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

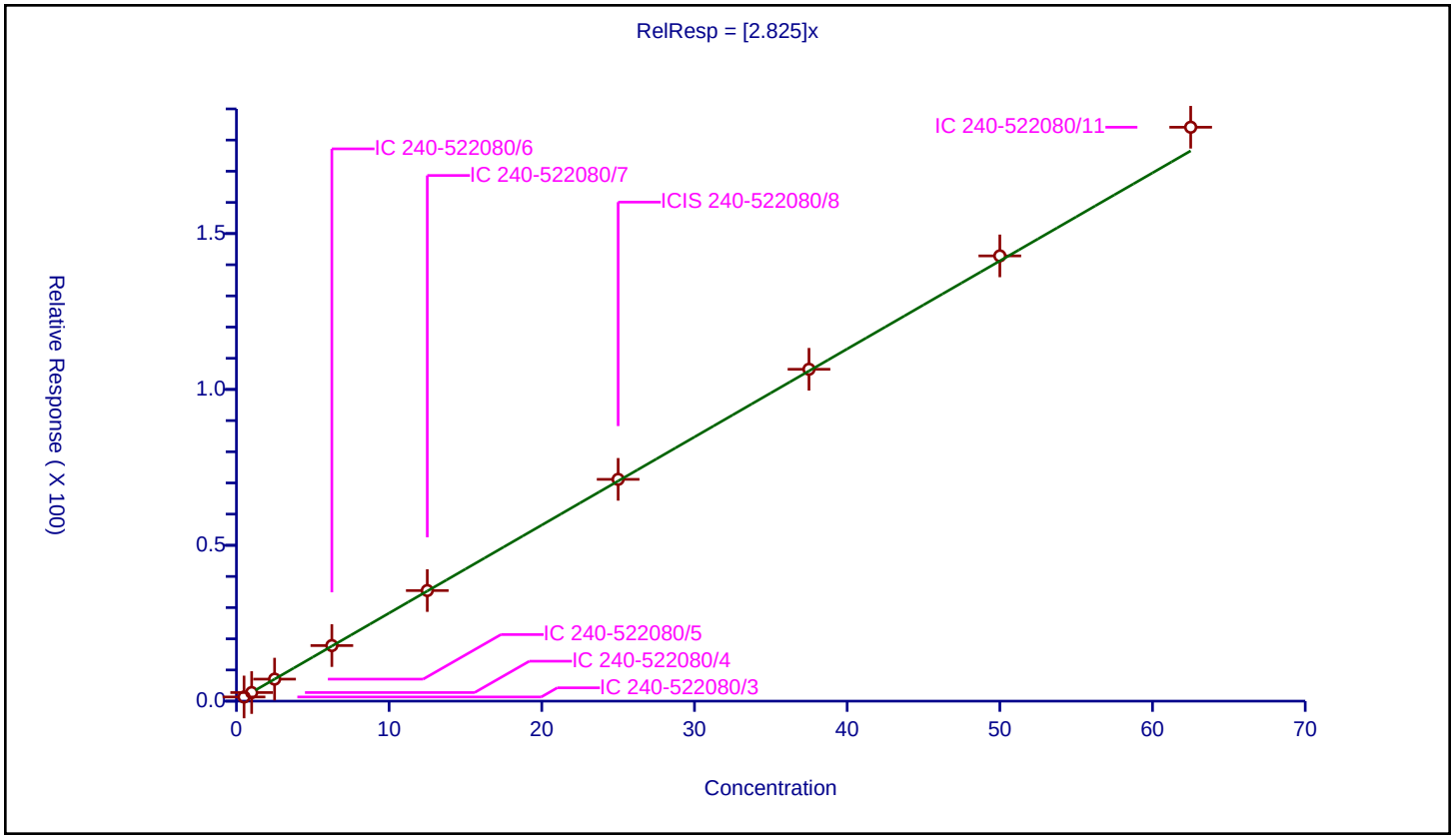
Curve Coefficients

Intercept:	0
Slope:	2.825

Error Coefficients

Standard Error:	1390000
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	IC 240-522080/3	0.5	1.332984	28.9	405689.0	2.665967	Y
2	IC 240-522080/4	1.0	2.751943	28.9	411445.0	2.751943	Y
3	IC 240-522080/5	2.5	7.060442	28.9	414423.0	2.824177	Y
4	IC 240-522080/6	6.25	17.832214	28.9	416930.0	2.853154	Y
5	IC 240-522080/7	12.5	35.479133	28.9	417458.0	2.838331	Y
6	ICIS 240-522080/8	25.0	71.15337	28.9	432421.0	2.846135	Y
7	IC 240-522080/9	37.5	106.471208	28.9	426352.0	2.839232	Y
8	IC 240-522080/10	50.0	142.846528	28.9	423064.0	2.856931	Y
9	IC 240-522080/11	62.5	184.115394	28.9	416881.0	2.945846	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

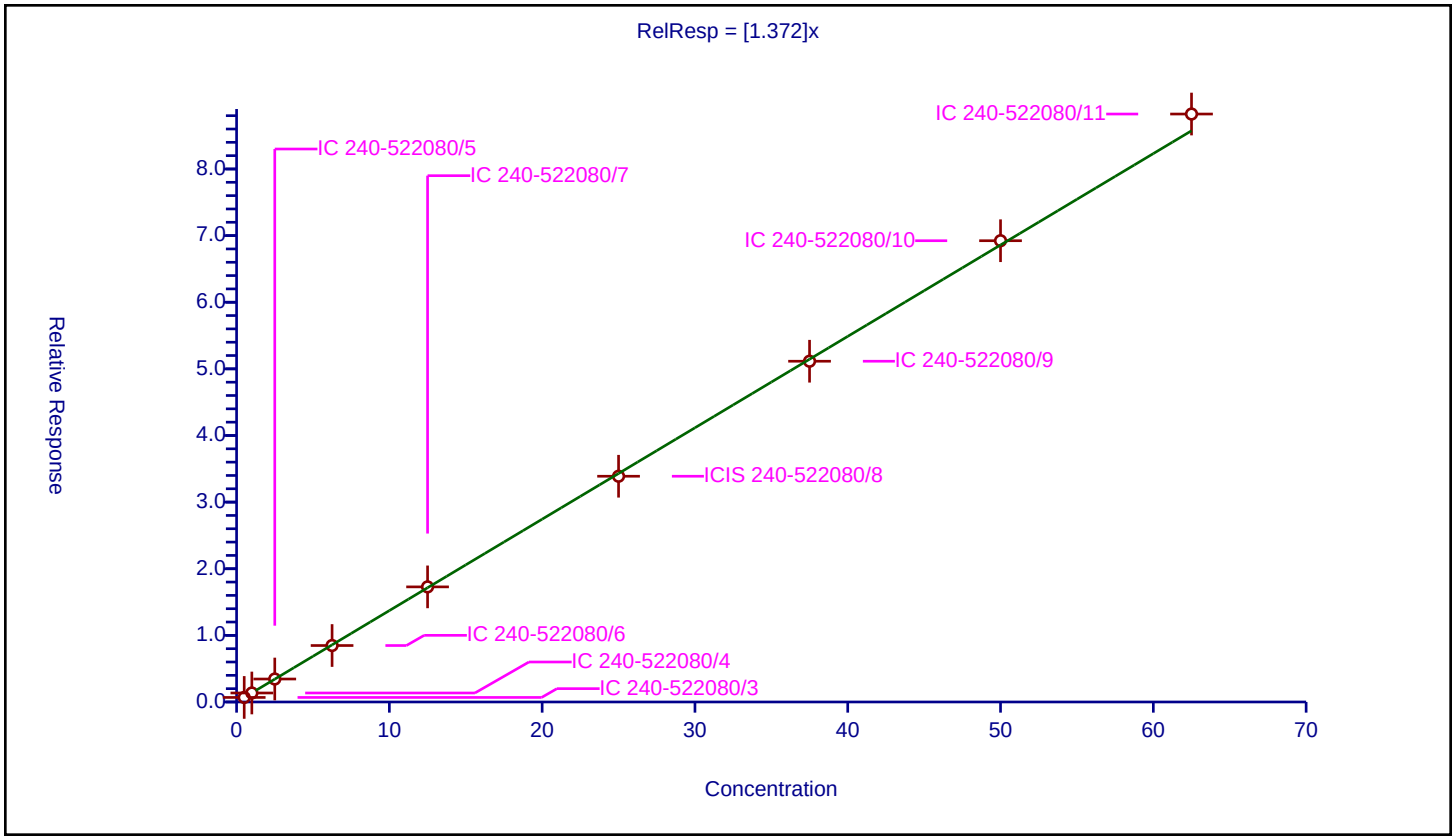
Curve Coefficients

Intercept:	0
Slope:	1.372

Error Coefficients

Standard Error:	666000
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	IC 240-522080/3	0.5	0.681594	28.9	405689.0	1.363188	Y
2	IC 240-522080/4	1.0	1.35072	28.9	411445.0	1.35072	Y
3	IC 240-522080/5	2.5	3.446747	28.9	414423.0	1.378699	Y
4	IC 240-522080/6	6.25	8.475915	28.9	416930.0	1.356146	Y
5	IC 240-522080/7	12.5	17.274801	28.9	417458.0	1.381984	Y
6	ICIS 240-522080/8	25.0	33.881132	28.9	432421.0	1.355245	Y
7	IC 240-522080/9	37.5	51.14649	28.9	426352.0	1.363906	Y
8	IC 240-522080/10	50.0	69.232832	28.9	423064.0	1.384657	Y
9	IC 240-522080/11	62.5	88.248983	28.9	416881.0	1.411984	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

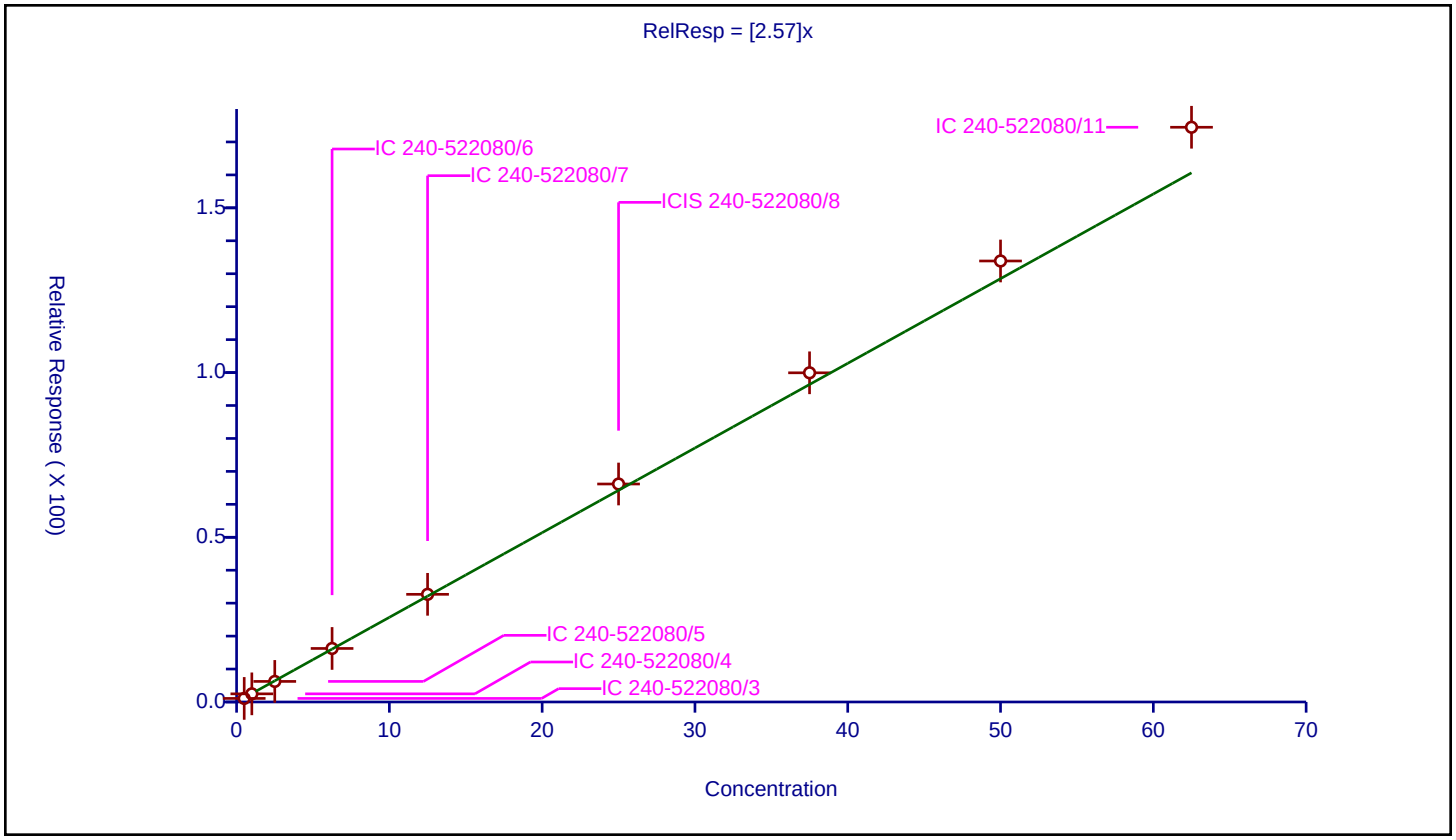
Curve Coefficients

Intercept:	0
Slope:	2.57

Error Coefficients

Standard Error:	1300000
Relative Standard Error:	7.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	1.080805	28.9	405689.0	2.16161	Y
2	IC 240-522080/4	1.0	2.474775	28.9	411445.0	2.474775	Y
3	IC 240-522080/5	2.5	6.247256	28.9	414423.0	2.498902	Y
4	IC 240-522080/6	6.25	16.252082	28.9	416930.0	2.600333	Y
5	IC 240-522080/7	12.5	32.682093	28.9	417458.0	2.614567	Y
6	ICIS 240-522080/8	25.0	66.169632	28.9	432421.0	2.646785	Y
7	IC 240-522080/9	37.5	99.92534	28.9	426352.0	2.664676	Y
8	IC 240-522080/10	50.0	133.869756	28.9	423064.0	2.677395	Y
9	IC 240-522080/11	62.5	174.459969	28.9	416881.0	2.79136	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

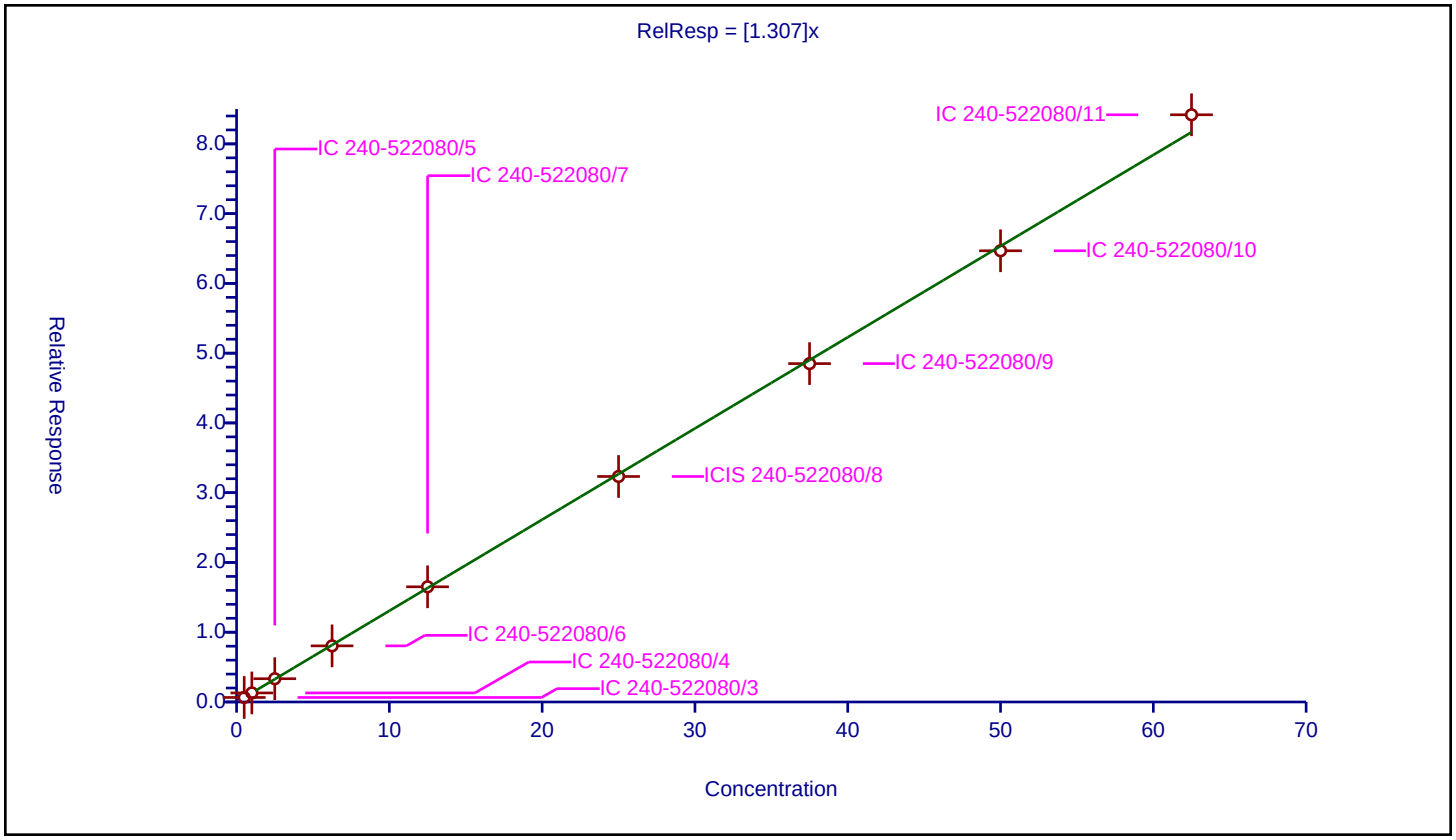
Curve Coefficients

Intercept:	0
Slope:	1.307

Error Coefficients

Standard Error:	631000
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	IC 240-522080/3	0.5	0.646902	28.9	405689.0	1.293803	Y
2	IC 240-522080/4	1.0	1.299023	28.9	411445.0	1.299023	Y
3	IC 240-522080/5	2.5	3.336914	28.9	414423.0	1.334766	Y
4	IC 240-522080/6	6.25	8.043936	28.9	416930.0	1.28703	Y
5	IC 240-522080/7	12.5	16.510864	28.9	417458.0	1.320869	Y
6	ICIS 240-522080/8	25.0	32.32566	28.9	432421.0	1.293026	Y
7	IC 240-522080/9	37.5	48.506967	28.9	426352.0	1.293519	Y
8	IC 240-522080/10	50.0	64.680575	28.9	423064.0	1.293612	Y
9	IC 240-522080/11	62.5	84.172435	28.9	416881.0	1.346759	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

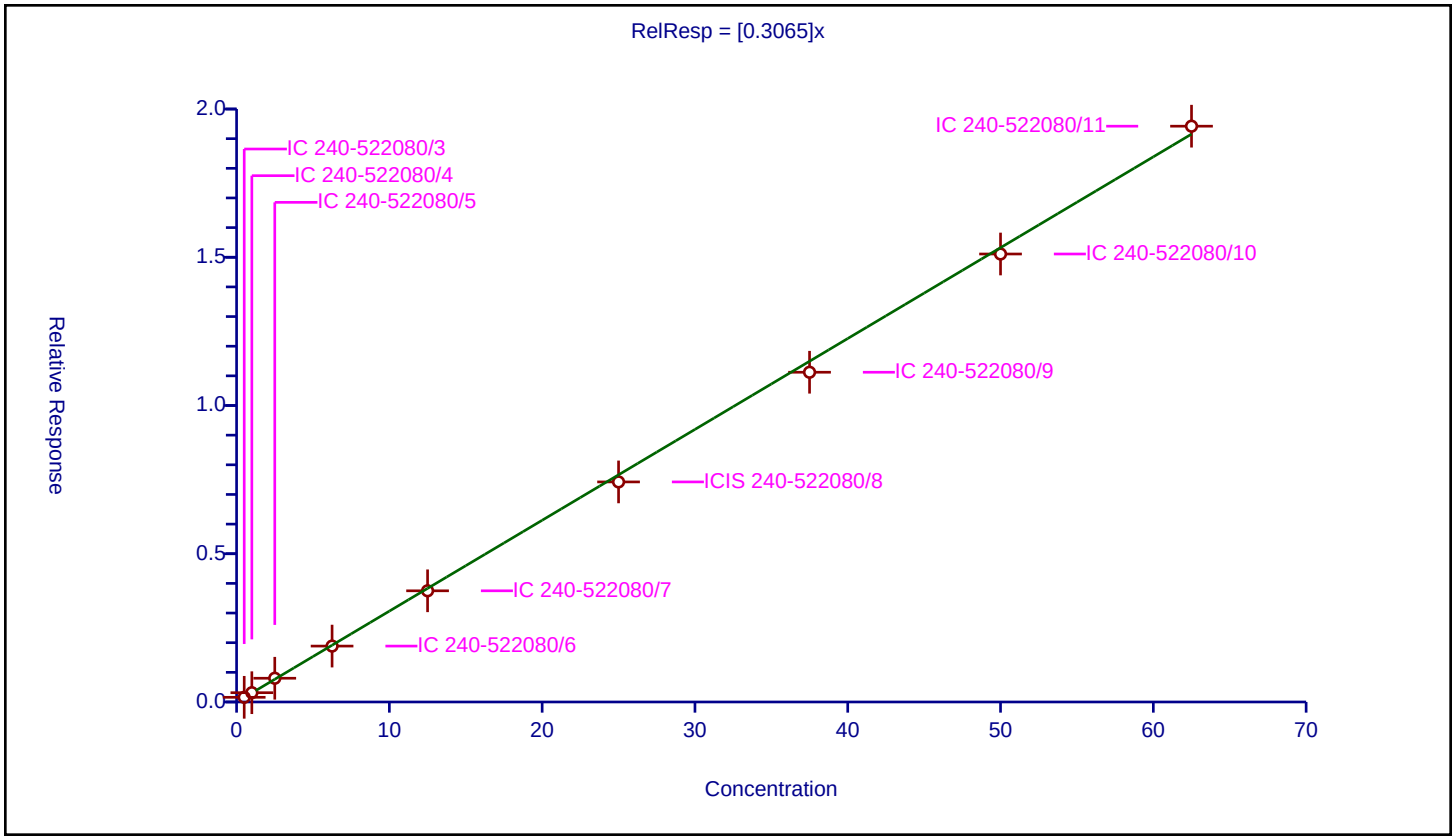
Curve Coefficients

Intercept:	0
Slope:	0.3065

Error Coefficients

Standard Error:	146000
Relative Standard Error:	2.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.158217	28.9	405689.0	0.316434	Y
2	IC 240-522080/4	1.0	0.313412	28.9	411445.0	0.313412	Y
3	IC 240-522080/5	2.5	0.800494	28.9	414423.0	0.320198	Y
4	IC 240-522080/6	6.25	1.885262	28.9	416930.0	0.301642	Y
5	IC 240-522080/7	12.5	3.750178	28.9	417458.0	0.300014	Y
6	ICIS 240-522080/8	25.0	7.422475	28.9	432421.0	0.296899	Y
7	IC 240-522080/9	37.5	11.122194	28.9	426352.0	0.296592	Y
8	IC 240-522080/10	50.0	15.109681	28.9	423064.0	0.302194	Y
9	IC 240-522080/11	62.5	19.420936	28.9	416881.0	0.310735	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

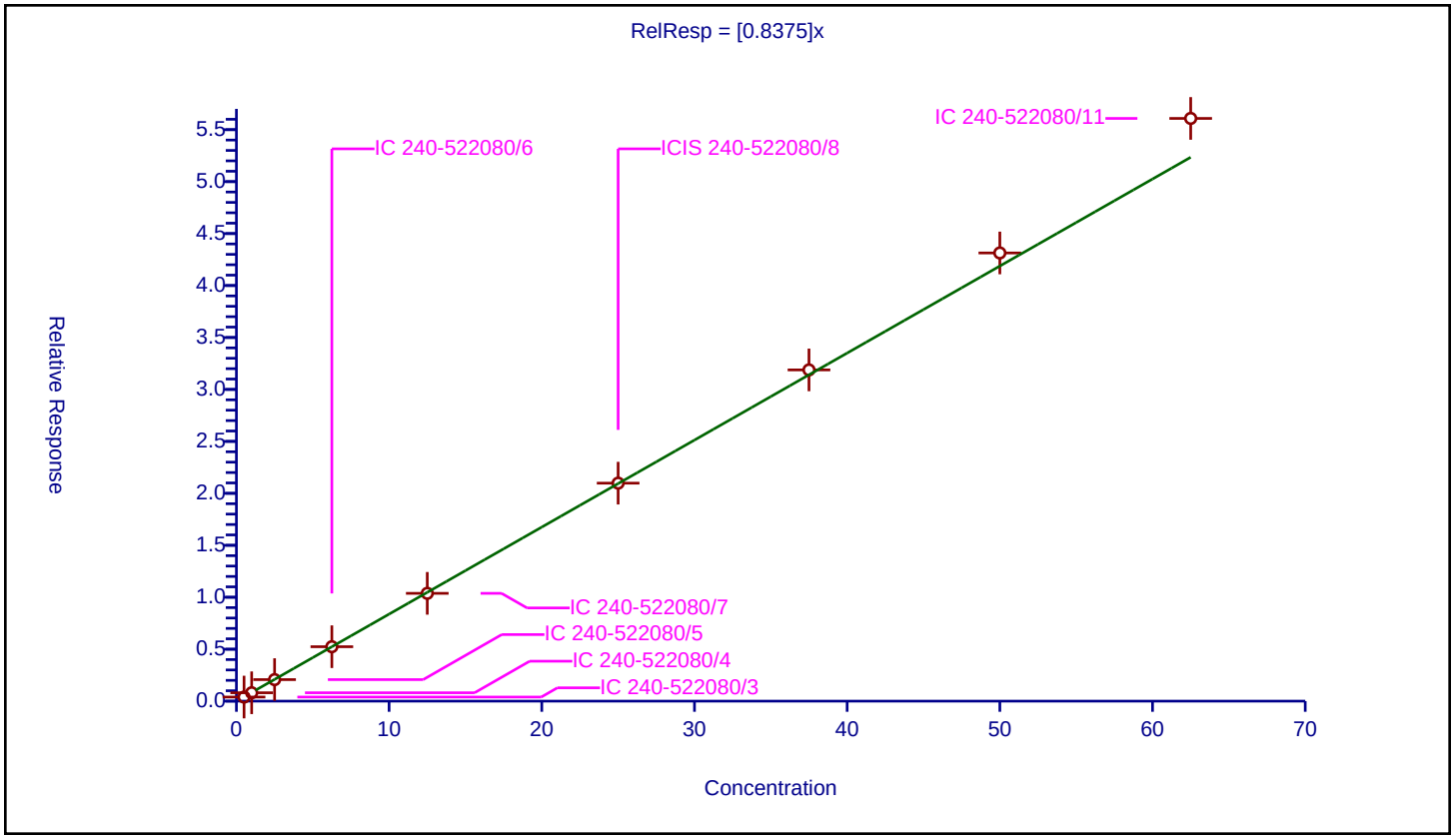
Curve Coefficients

Intercept:	0
Slope:	0.8375

Error Coefficients

Standard Error:	419000
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	IC 240-522080/3	0.5	0.392871	28.9	405689.0	0.785742	Y
2	IC 240-522080/4	1.0	0.805375	28.9	411445.0	0.805375	Y
3	IC 240-522080/5	2.5	2.071912	28.9	414423.0	0.828765	Y
4	IC 240-522080/6	6.25	5.239126	28.9	416930.0	0.83826	Y
5	IC 240-522080/7	12.5	10.376248	28.9	417458.0	0.8301	Y
6	ICIS 240-522080/8	25.0	20.98002	28.9	432421.0	0.839201	Y
7	IC 240-522080/9	37.5	31.879191	28.9	426352.0	0.850112	Y
8	IC 240-522080/10	50.0	43.134478	28.9	423064.0	0.86269	Y
9	IC 240-522080/11	62.5	56.083183	28.9	416881.0	0.897331	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

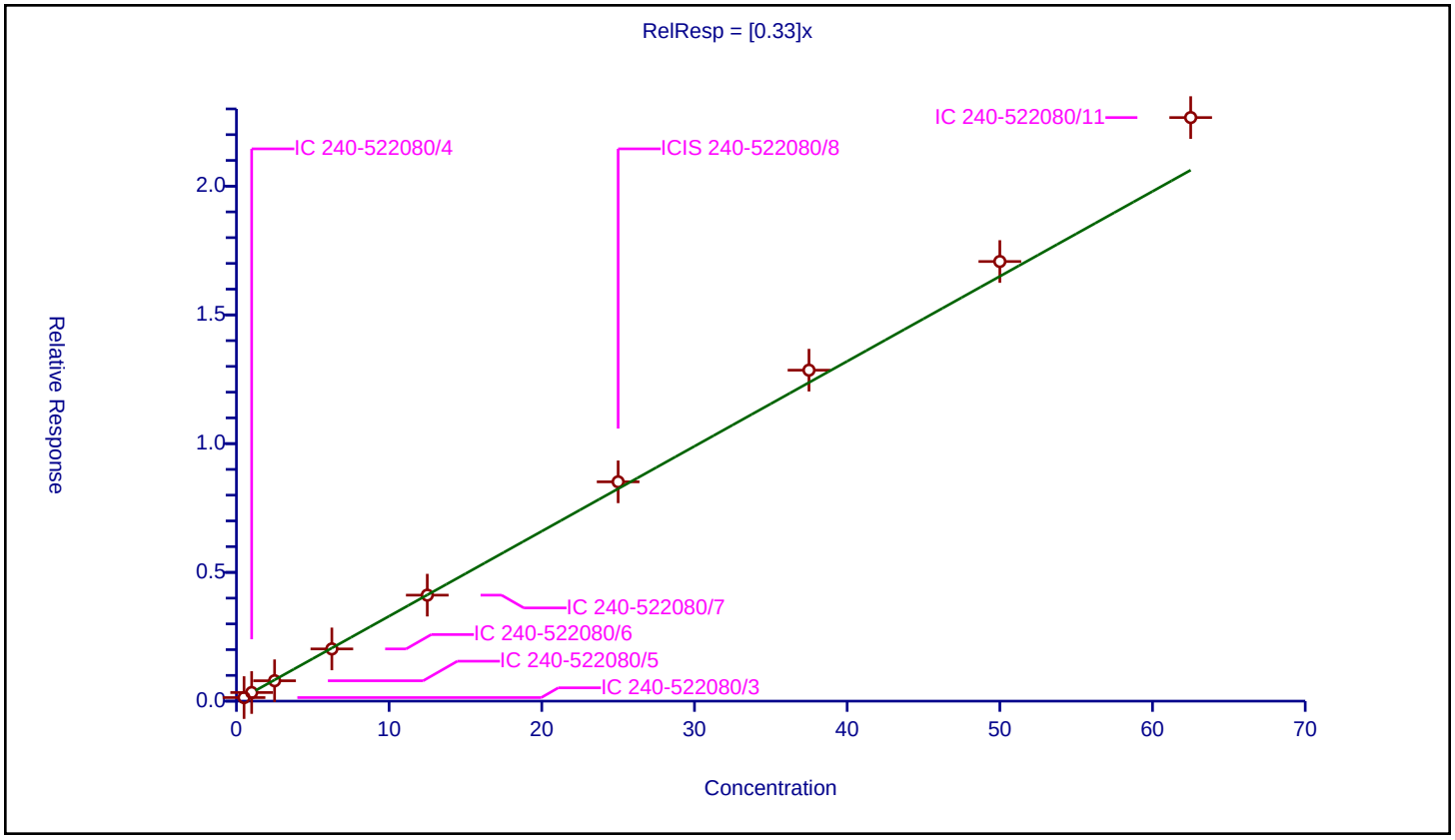
Curve Coefficients

Intercept:	0
Slope:	0.33

Error Coefficients

Standard Error:	168000
Relative Standard Error:	7.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/3	0.5	0.138556	28.9	405689.0	0.277111	Y
2	IC 240-522080/4	1.0	0.334484	28.9	411445.0	0.334484	Y
3	IC 240-522080/5	2.5	0.791847	28.9	414423.0	0.316739	Y
4	IC 240-522080/6	6.25	2.027499	28.9	416930.0	0.3244	Y
5	IC 240-522080/7	12.5	4.116259	28.9	417458.0	0.329301	Y
6	ICIS 240-522080/8	25.0	8.517267	28.9	432421.0	0.340691	Y
7	IC 240-522080/9	37.5	12.853407	28.9	426352.0	0.342758	Y
8	IC 240-522080/10	50.0	17.073696	28.9	423064.0	0.341474	Y
9	IC 240-522080/11	62.5	22.662751	28.9	416881.0	0.362604	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

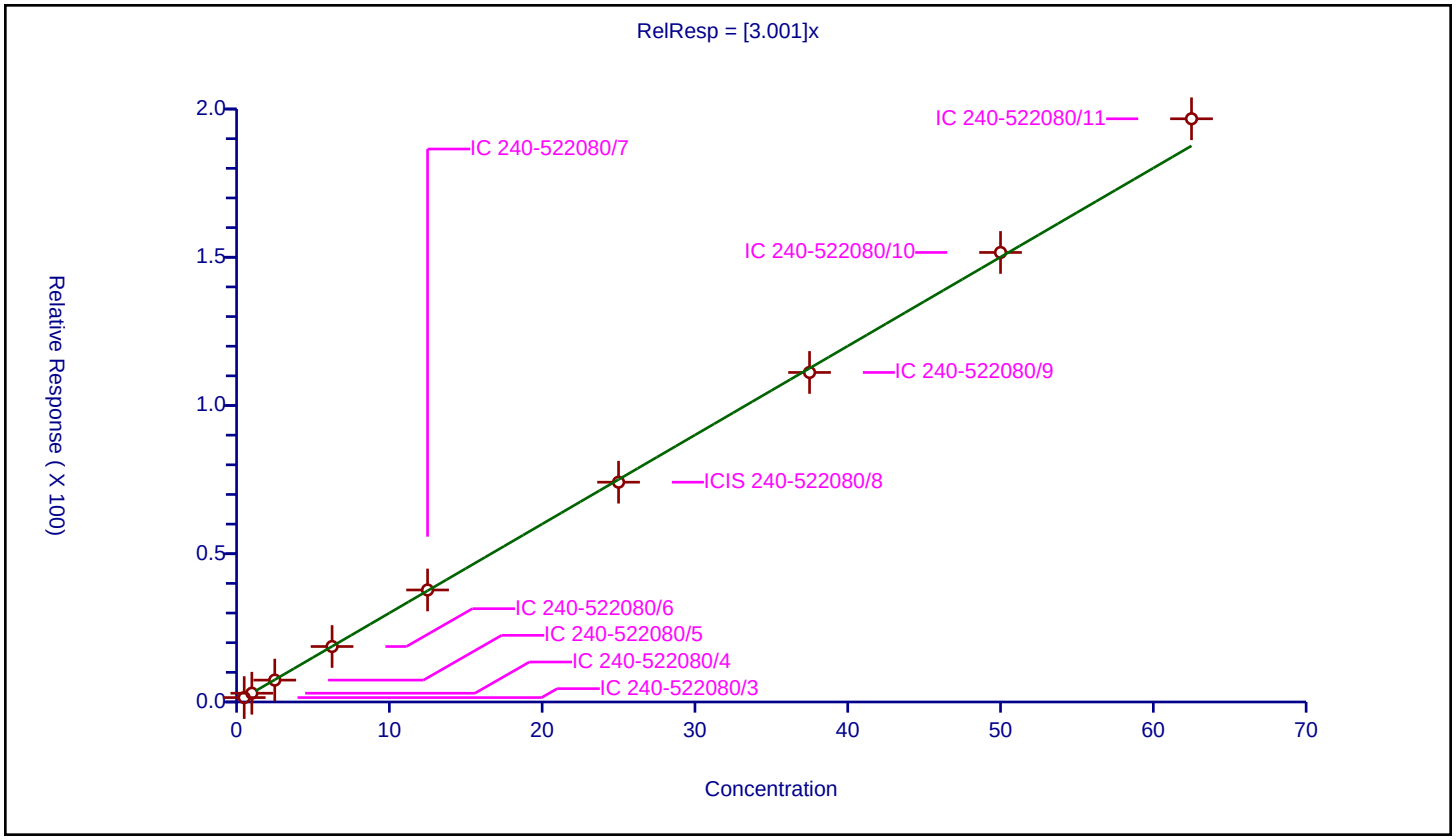
Curve Coefficients

Intercept:	0
Slope:	3.001

Error Coefficients

Standard Error:	1470000
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	IC 240-522080/3	0.5	1.491699	28.9	405689.0	2.983399	Y
2	IC 240-522080/4	1.0	2.95283	28.9	411445.0	2.95283	Y
3	IC 240-522080/5	2.5	7.376901	28.9	414423.0	2.950761	Y
4	IC 240-522080/6	6.25	18.708232	28.9	416930.0	2.993317	Y
5	IC 240-522080/7	12.5	37.778904	28.9	417458.0	3.022312	Y
6	ICIS 240-522080/8	25.0	74.137197	28.9	432421.0	2.965488	Y
7	IC 240-522080/9	37.5	111.145076	28.9	426352.0	2.963869	Y
8	IC 240-522080/10	50.0	151.617478	28.9	423064.0	3.03235	Y
9	IC 240-522080/11	62.5	196.709061	28.9	416881.0	3.147345	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

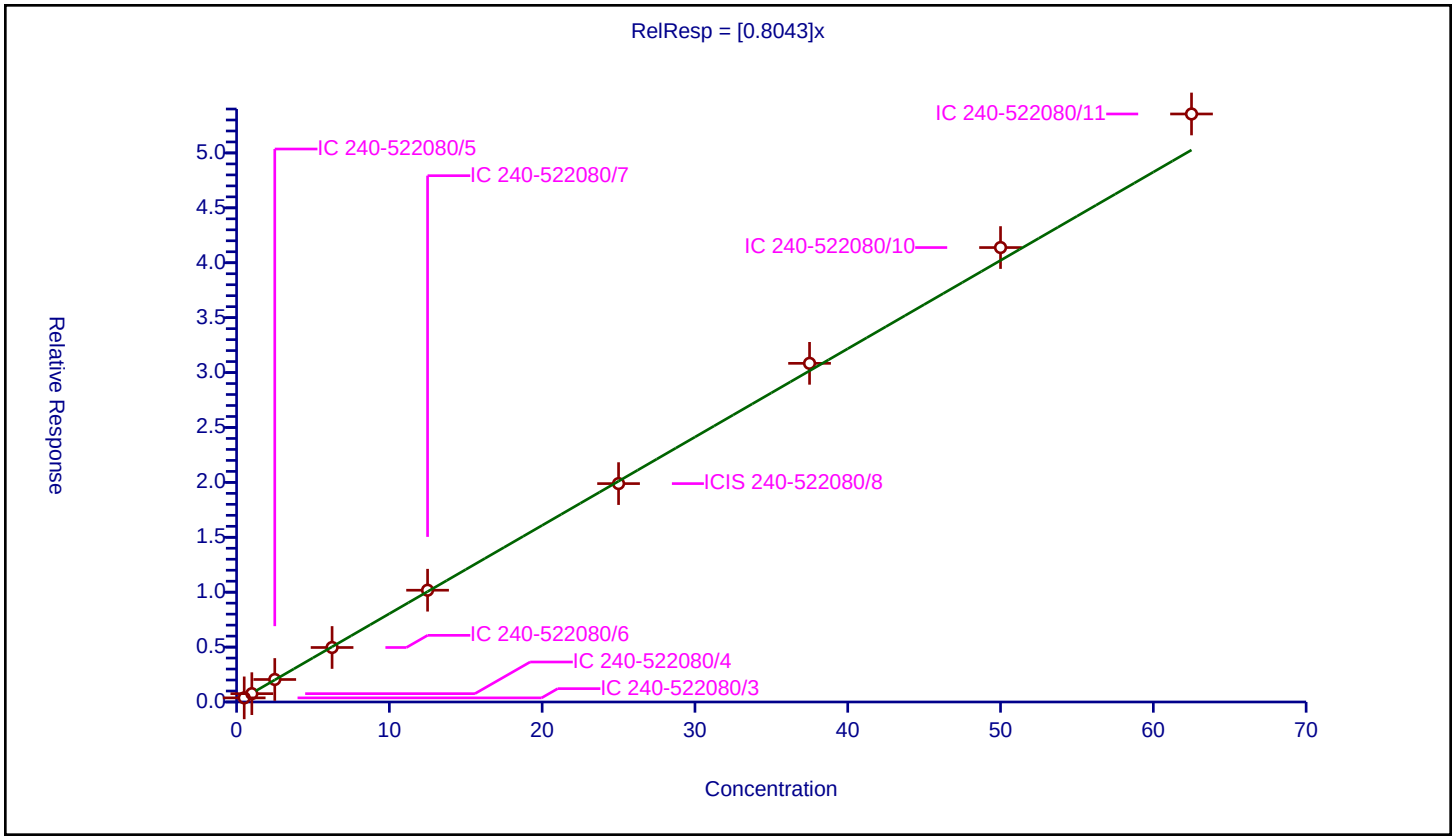
Curve Coefficients

Intercept:	0
Slope:	0.8043

Error Coefficients

Standard Error:	401000
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	IC 240-522080/3	0.5	0.375133	28.9	405689.0	0.750266	Y
2	IC 240-522080/4	1.0	0.758173	28.9	411445.0	0.758173	Y
3	IC 240-522080/5	2.5	2.048202	28.9	414423.0	0.819281	Y
4	IC 240-522080/6	6.25	4.963594	28.9	416930.0	0.794175	Y
5	IC 240-522080/7	12.5	10.178531	28.9	417458.0	0.814282	Y
6	ICIS 240-522080/8	25.0	19.8873	28.9	432421.0	0.795492	Y
7	IC 240-522080/9	37.5	30.838904	28.9	426352.0	0.822371	Y
8	IC 240-522080/10	50.0	41.383663	28.9	423064.0	0.827673	Y
9	IC 240-522080/11	62.5	53.549378	28.9	416881.0	0.85679	Y



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Canton | Job No.: 240-171981-1 | Analy Batch No.: 522080

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2022 21:40 | Calibration End Date: 04/08/2022 00:50 | Calibration ID: 65269

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-522080/18	225050.D
Level 2	IC 240-522080/19	225051.D
Level 3	IC 240-522080/20	225052.D
Level 4	IC 240-522080/21	225053.D
Level 5	IC 240-522080/22	225054.D
Level 6	IC 240-522080/23	225055.D
Level 7	IC 240-522080/24	225056.D
Level 8	IC 240-522080/25	225057.D
Level 9	IC 240-522080/26	225058.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 9	LVL 5		B	M1	M2								
Acetonitrile	0.0789 0.0565	0.0721 0.0575	0.0647 0.0557	0.0609 0.0558	0.0573	Ave		0.0622				13.3		20.0			
Diisopropyl ether	0.1729 0.2019	0.2009 0.2139	0.1960 0.2103	0.1975 0.2164	0.2000	Ave		0.2011				6.4		20.0			
2-Chloro-1,3-butadiene	0.3780 0.3788	0.4053 0.3871	0.4006 0.3897	0.3890 0.3936	0.3704	Ave		0.3881				2.9		20.0			
Ethyl-t-butyl ether (ETBE)	0.6123 0.7119	0.7059 0.7501	0.6807 0.7326	0.6889 0.7532	0.6972	Ave		0.7036				6.1		20.0			
Ethyl acetate	0.2594 0.3014	0.2930 0.3218	0.2743 0.3189	0.2797 0.3287	0.2850	Ave		0.2958				8.0		20.0			
Propionitrile	0.0685 0.0667	0.0738 0.0681	0.0706 0.0666	0.0689 0.0674	0.0665	Ave		0.0686				3.5		20.0			
Methacrylonitrile	0.1806 0.1924	0.1887 0.2003	0.1926 0.1950	0.1924 0.1977	0.1899	Ave		0.1922				2.9		20.0			
Tert-amyl-methyl ether (TAME)	0.8623 0.9642	0.9117 1.0183	0.9416 1.0059	0.9377 1.0353	0.9314	Ave		0.9565				5.8		20.0			
n-Butanol	0.0110 0.0143	0.0127 0.0154	0.0126 0.0156	0.0128 0.0161	0.0132	Ave		0.0137				12.4		20.0			
Methyl methacrylate	0.2250 0.2367	0.2296 0.2511	0.2347 0.2434	0.2326 0.2504	0.2365	Ave		0.2378				3.8		20.0			
2-Nitropropane	0.1334 0.0968	0.1210 0.1020	0.1052 0.1003	0.0965 0.1020	0.0945	Ave		0.1057				12.3		20.0			
n-Butyl acetate	0.5744 0.5883	0.5909 0.6188	0.5956 0.6025	0.5762 0.6134	0.5859	Ave		0.5940				2.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Canton Job No.: 240-171981-1 Analy Batch No.: 522080

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2022 21:40 Calibration End Date: 04/08/2022 00:50 Calibration ID: 65269

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 9	LVL 5		B	M1	M2								
1-Chlorohexane	0.5951 0.4499	0.5053 0.4582	0.4970 0.4642	0.4709 0.4792	0.4326	Ave		0.4836				9.8		20.0			
Cyclohexanone	0.0346 0.0274	0.0327 0.0288	0.0279 0.0287	0.0274 0.0287	0.0263	Ave		0.0292				9.3		20.0			
Pentachloroethane	0.1504 0.0340	0.0513 0.0500	0.0609 0.0257	0.0505 0.0413	0.0614	Ave		0.0584				62.4	*	20.0			
1,2,3-Trimethylbenzene	2.5900 2.6386	2.5479 2.7400	2.7562 2.6687	2.6595 2.7320	2.5659	Ave		2.6554				2.9		20.0			
Benzyl chloride	1.6332 1.6043	1.6962 1.6715	1.6331 1.6082	1.5966 1.6207	1.5639	Ave		1.6253				2.4		20.0			
1,3,5-Trichlorobenzene	0.8060 0.8748	0.8809 0.9296	0.8902 0.9044	0.8704 0.9319	0.8433	Ave		0.8813				4.5		20.0			
2-Methylnaphthalene	1.0989 1.3258	1.1548 1.4123	1.2255 1.3746	1.2419 1.4010	1.2641	Ave		1.2777				8.6		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 Canton Job No.: 240-171981-1 Analy Batch No.: 522080

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2022 21:40 Calibration End Date: 04/08/2022 00:50 Calibration ID: 65269

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-522080/18	225050.D
Level 2	IC 240-522080/19	225051.D
Level 3	IC 240-522080/20	225052.D
Level 4	IC 240-522080/21	225053.D
Level 5	IC 240-522080/22	225054.D
Level 6	IC 240-522080/23	225055.D
Level 7	IC 240-522080/24	225056.D
Level 8	IC 240-522080/25	225057.D
Level 9	IC 240-522080/26	225058.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 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Acetonitrile	FB	Ave	13299 502707	23860 768505	53428 1013917	129373 1287792	248863	5.00 250	10.0 375	25.0 500	62.5 625	125
Diisopropyl ether	FB	Ave	2915 179621	6645 285911	16180 382585	41940 499608	86890	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
2-Chloro-1,3-butadiene	FB	Ave	6372 336931	13404 517435	33081 708998	82584 908654	160933	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Ethyl-t-butyl ether (ETBE)	FB	Ave	10321 633179	23344 1002700	56206 1332852	146264 1738773	302942	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Ethyl acetate	FB	Ave	8744 536172	19381 860216	45303 1160381	118781 1517627	247651	1.00 50.0	2.00 75.0	5.00 100	12.5 125	25.0
Propionitrile	FB	Ave	11545 593182	24421 910824	58308 1212388	146229 1556990	288818	5.00 250	10.0 375	25.0 500	62.5 625	125
Methacrylonitrile	FB	Ave	30442 1711142	62403 2677688	159046 3548473	408566 4563702	824890	5.00 250	10.0 375	25.0 500	62.5 625	125
Tert-amyl-methyl ether (TAME)	FB	Ave	14534 857616	30151 1361174	77750 1830122	199107 2390065	404693	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
n-Butanol	FB	Ave	4635 317418	10539 513690	25964 711210	67962 930622	143523	12.5 625	25.0 938	62.5 1250	156 1563	313
Methyl methacrylate	FB	Ave	7586 421074	15186 671366	38756 885845	98792 1156068	205522	1.00 50.0	2.00 75.0	5.00 100	12.5 125	25.0
2-Nitropropane	FB	Ave	4497 172151	8003 272819	17378 365112	40959 470799	82097	1.00 50.0	2.00 75.0	5.00 100	12.5 125	25.0
n-Butyl acetate	CBNZ d5	Ave	7560 385390	15379 603931	38122 787393	93678 1011355	191953	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Canton Job No.: 240-171981-1 Analy Batch No.: 522080

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/07/2022 21:40 Calibration End Date: 04/08/2022 00:50 Calibration ID: 65269

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1-Chlorohexane	CBNZ d5	Ave	7833 294707	13152 447228	31809 606585	76561 790051	141733	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Cyclohexanone	CBNZ d5	Ave	4556 179592	8511 280610	17889 374711	44565 472883	86087	5.00 250	10.0 375	25.0 500	62.5 625	125
Pentachloroethane	DCBd 4	Ave	2134 23769	1440 51573	4152 35519	8756 72497	21482	1.00 50.0	2.00 75.0	5.00 100	12.5 125	25.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	18377 922086	35792 1411793	93975 1844123	230593 2396508	449000	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Benzyl chloride	DCBd 4	Ave	11588 560631	23827 861243	55682 1111312	138435 1421620	273664	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,3,5-Trichlorobenzene	DCBd 4	Ave	5719 305699	12374 478991	30352 624946	75472 817469	147564	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
2-Methylnaphthalene	DCBd 4	Ave	15594 926603	32445 1455412	83566 1899785	215367 2457915	442391	1.00 50.0	2.00 75.0	5.00 100	12.5 125	25.0

Curve Type Legend
Ave = Average ISTD

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

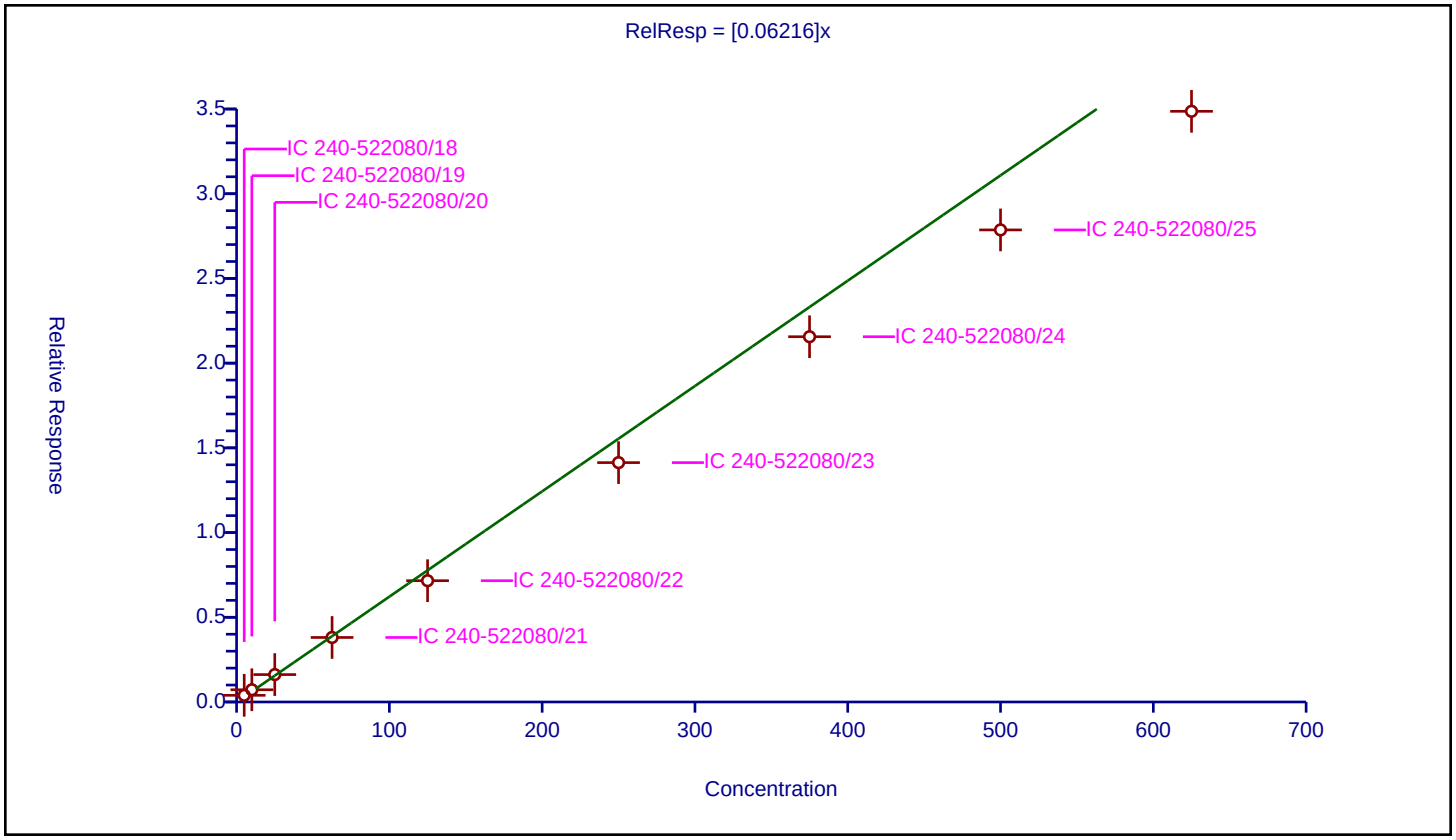
Curve Coefficients

Intercept:	0
Slope:	0.06216

Error Coefficients

Standard Error:	672000
Relative Standard Error:	13.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/18	5.0	0.394492	28.9	974268.0	0.078898	Y
2	IC 240-522080/19	10.0	0.721462	28.9	955773.0	0.072146	Y
3	IC 240-522080/20	25.0	1.617636	28.9	954522.0	0.064705	Y
4	IC 240-522080/21	62.5	3.80822	28.9	981792.0	0.060932	Y
5	IC 240-522080/22	125.0	7.159629	28.9	1004541.0	0.057277	Y
6	IC 240-522080/23	250.0	14.129319	28.9	1028233.0	0.056517	Y
7	IC 240-522080/24	375.0	21.559161	28.9	1030179.0	0.057491	Y
8	IC 240-522080/25	500.0	27.863974	28.9	1051616.0	0.055728	Y
9	IC 240-522080/26	625.0	34.865347	28.9	1067455.0	0.055785	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

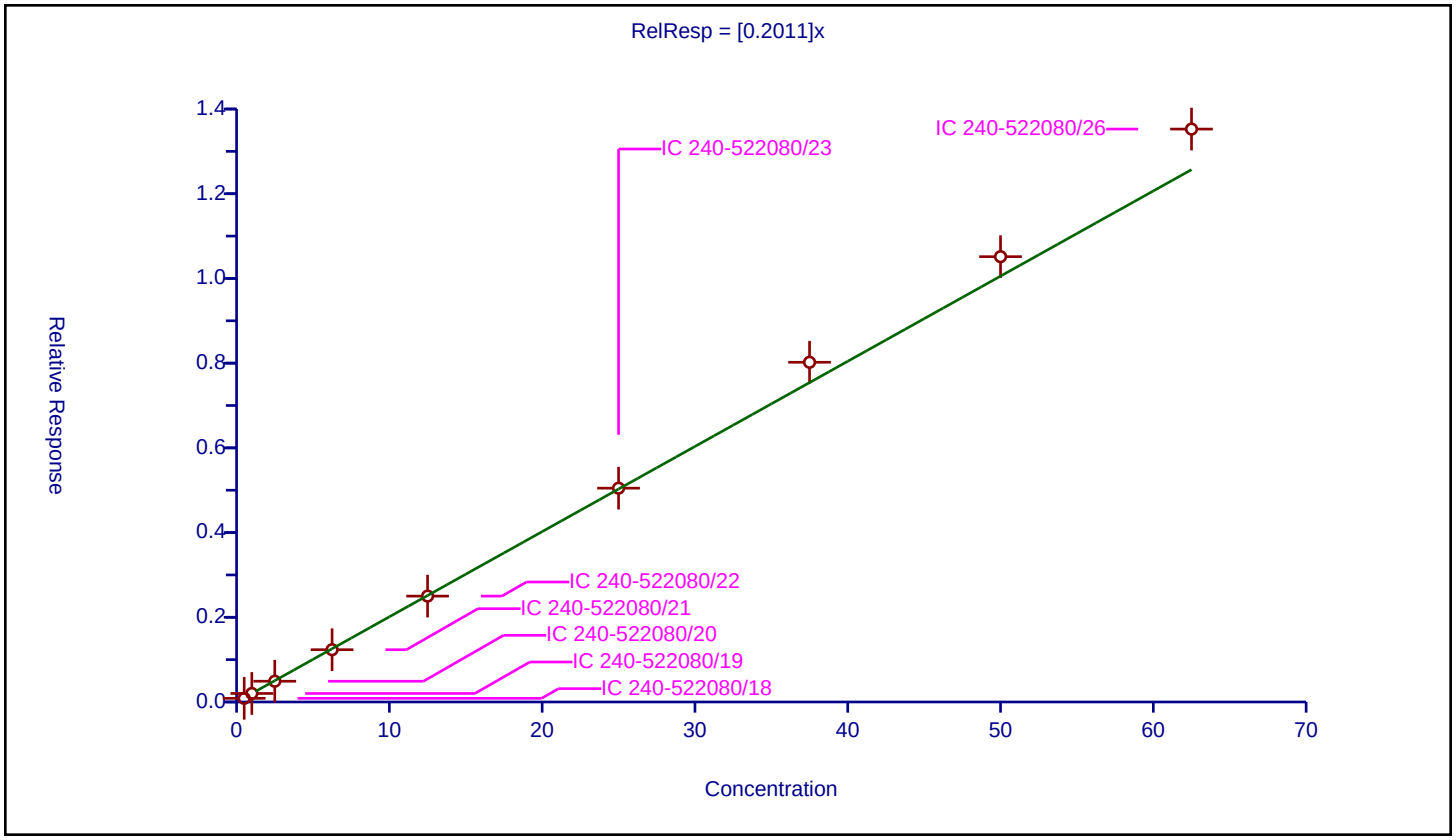
Curve Coefficients

Intercept:	0
Slope:	0.2011

Error Coefficients

Standard Error:	255000
Relative Standard Error:	6.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/18	0.5	0.086469	28.9	974268.0	0.172937	Y
2	IC 240-522080/19	1.0	0.200927	28.9	955773.0	0.200927	Y
3	IC 240-522080/20	2.5	0.489881	28.9	954522.0	0.195952	Y
4	IC 240-522080/21	6.25	1.234545	28.9	981792.0	0.197527	Y
5	IC 240-522080/22	12.5	2.49977	28.9	1004541.0	0.199982	Y
6	IC 240-522080/23	25.0	5.048512	28.9	1028233.0	0.20194	Y
7	IC 240-522080/24	37.5	8.020769	28.9	1030179.0	0.213887	Y
8	IC 240-522080/25	50.0	10.514015	28.9	1051616.0	0.21028	Y
9	IC 240-522080/26	62.5	13.526258	28.9	1067455.0	0.21642	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

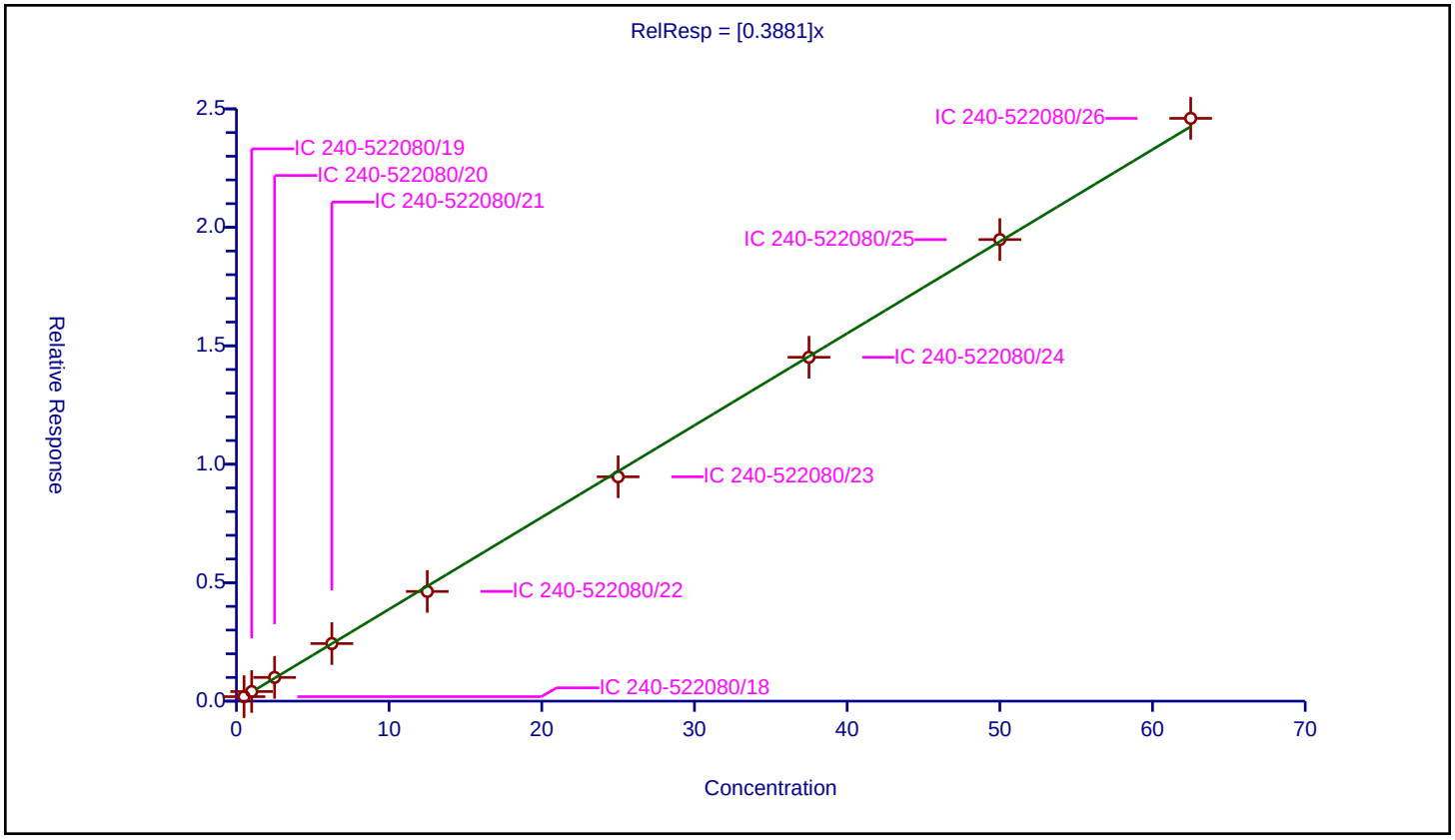
Curve Coefficients

Intercept:	0
Slope:	0.3881

Error Coefficients

Standard Error:	467000
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	IC 240-522080/18	0.5	0.189015	28.9	974268.0	0.378029	Y
2	IC 240-522080/19	1.0	0.405301	28.9	955773.0	0.405301	Y
3	IC 240-522080/20	2.5	1.001591	28.9	954522.0	0.400637	Y
4	IC 240-522080/21	6.25	2.43094	28.9	981792.0	0.38895	Y
5	IC 240-522080/22	12.5	4.629939	28.9	1004541.0	0.370395	Y
6	IC 240-522080/23	25.0	9.469941	28.9	1028233.0	0.378798	Y
7	IC 240-522080/24	37.5	14.515799	28.9	1030179.0	0.387088	Y
8	IC 240-522080/25	50.0	19.484339	28.9	1051616.0	0.389687	Y
9	IC 240-522080/26	62.5	24.600663	28.9	1067455.0	0.393611	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

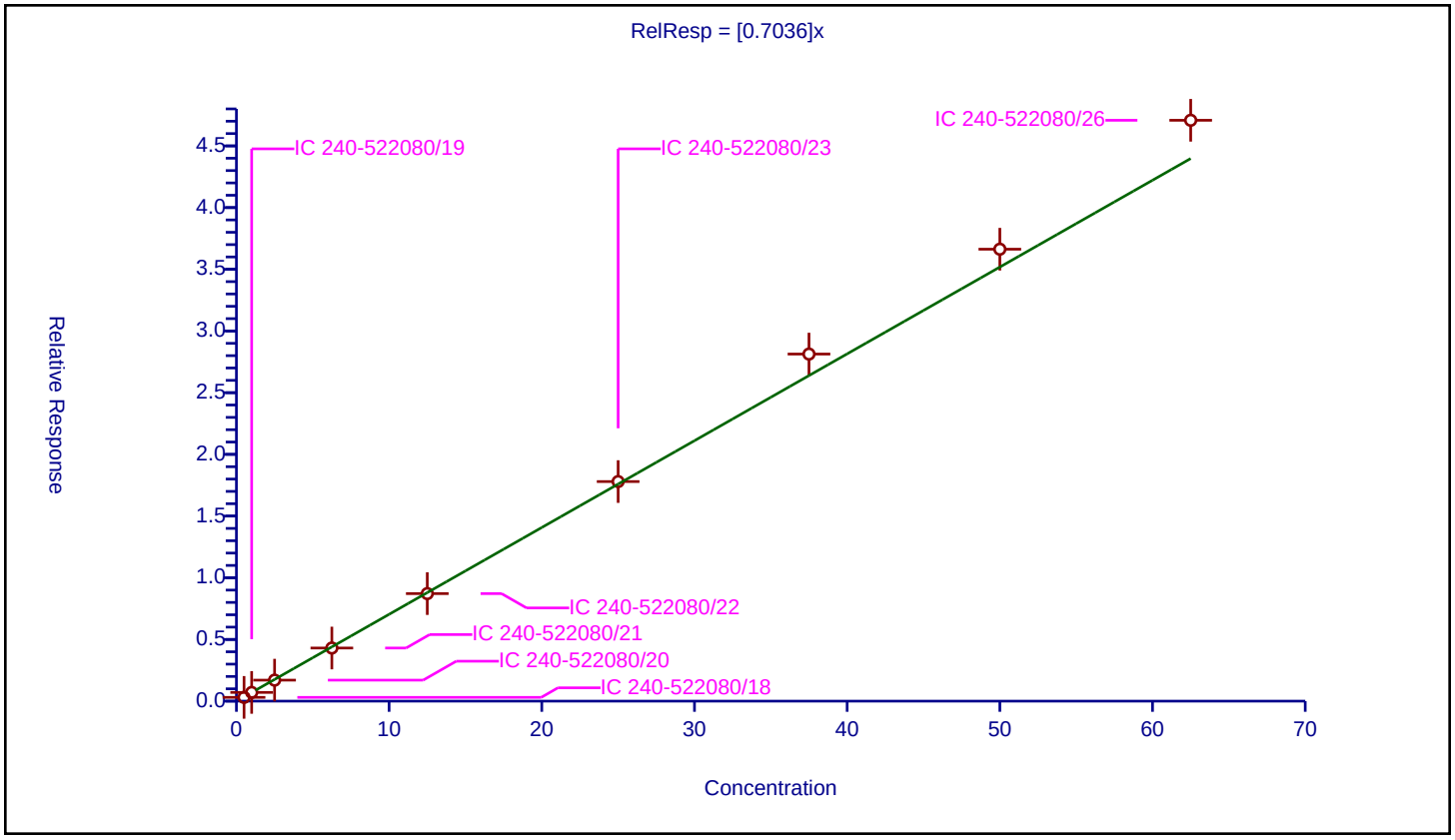
Curve Coefficients

Intercept:	0
Slope:	0.7036

Error Coefficients

Standard Error:	889000
Relative Standard Error:	6.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/18	0.5	0.306155	28.9	974268.0	0.61231	Y
2	IC 240-522080/19	1.0	0.70586	28.9	955773.0	0.70586	Y
3	IC 240-522080/20	2.5	1.701745	28.9	954522.0	0.680698	Y
4	IC 240-522080/21	6.25	4.305423	28.9	981792.0	0.688868	Y
5	IC 240-522080/22	12.5	8.715447	28.9	1004541.0	0.697236	Y
6	IC 240-522080/23	25.0	17.796427	28.9	1028233.0	0.711857	Y
7	IC 240-522080/24	37.5	28.129121	28.9	1030179.0	0.75011	Y
8	IC 240-522080/25	50.0	36.628791	28.9	1051616.0	0.732576	Y
9	IC 240-522080/26	62.5	47.07509	28.9	1067455.0	0.753201	Y



Calibration / Ethyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

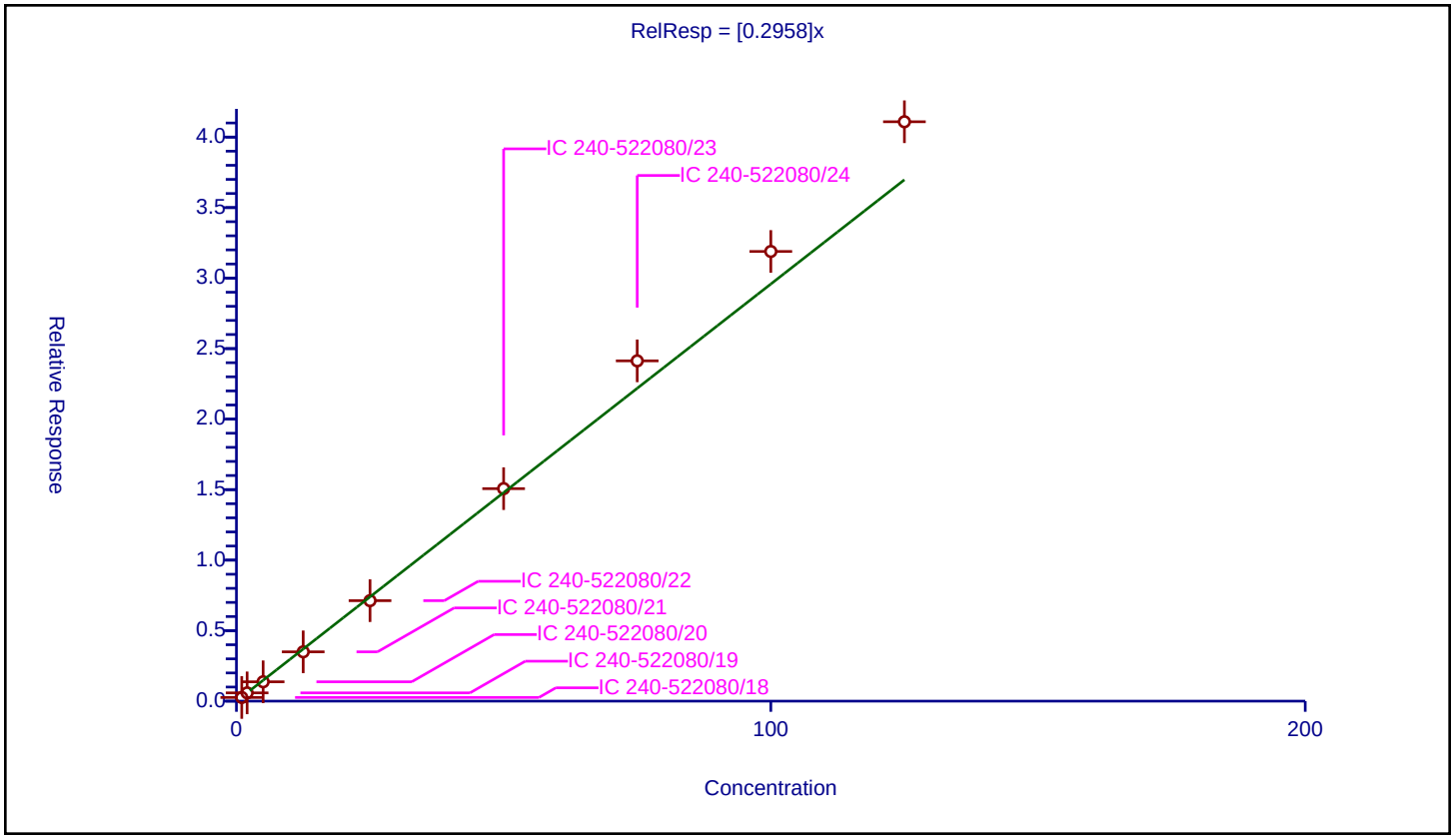
Curve Coefficients

Intercept:	0
Slope:	0.2958

Error Coefficients

Standard Error:	771000
Relative Standard Error:	8.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/18	1.0	0.259376	28.9	974268.0	0.259376	Y
2	IC 240-522080/19	2.0	0.586029	28.9	955773.0	0.293015	Y
3	IC 240-522080/20	5.0	1.371636	28.9	954522.0	0.274327	Y
4	IC 240-522080/21	12.5	3.496434	28.9	981792.0	0.279715	Y
5	IC 240-522080/22	25.0	7.12476	28.9	1004541.0	0.28499	Y
6	IC 240-522080/23	50.0	15.069902	28.9	1028233.0	0.301398	Y
7	IC 240-522080/24	75.0	24.131964	28.9	1030179.0	0.32176	Y
8	IC 240-522080/25	100.0	31.889027	28.9	1051616.0	0.31889	Y
9	IC 240-522080/26	125.0	41.08784	28.9	1067455.0	0.328703	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

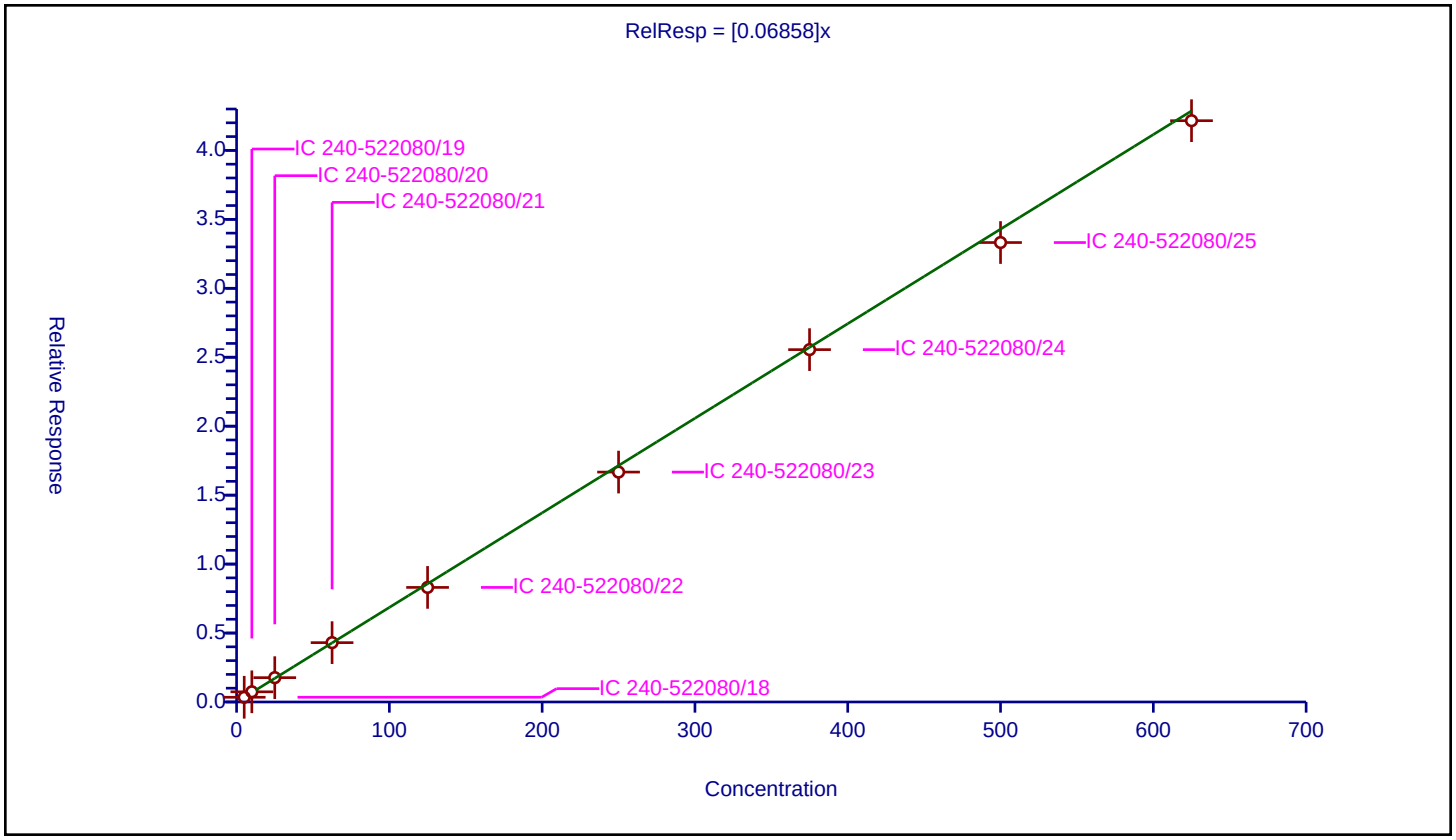
Curve Coefficients

Intercept:	0
Slope:	0.06858

Error Coefficients

Standard Error:	805000
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	IC 240-522080/18	5.0	0.342463	28.9	974268.0	0.068493	Y
2	IC 240-522080/19	10.0	0.738425	28.9	955773.0	0.073843	Y
3	IC 240-522080/20	25.0	1.765387	28.9	954522.0	0.070615	Y
4	IC 240-522080/21	62.5	4.304392	28.9	981792.0	0.06887	Y
5	IC 240-522080/22	125.0	8.309109	28.9	1004541.0	0.066473	Y
6	IC 240-522080/23	250.0	16.672252	28.9	1028233.0	0.066689	Y
7	IC 240-522080/24	375.0	25.551689	28.9	1030179.0	0.068138	Y
8	IC 240-522080/25	500.0	33.318258	28.9	1051616.0	0.066637	Y
9	IC 240-522080/26	625.0	42.153544	28.9	1067455.0	0.067446	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

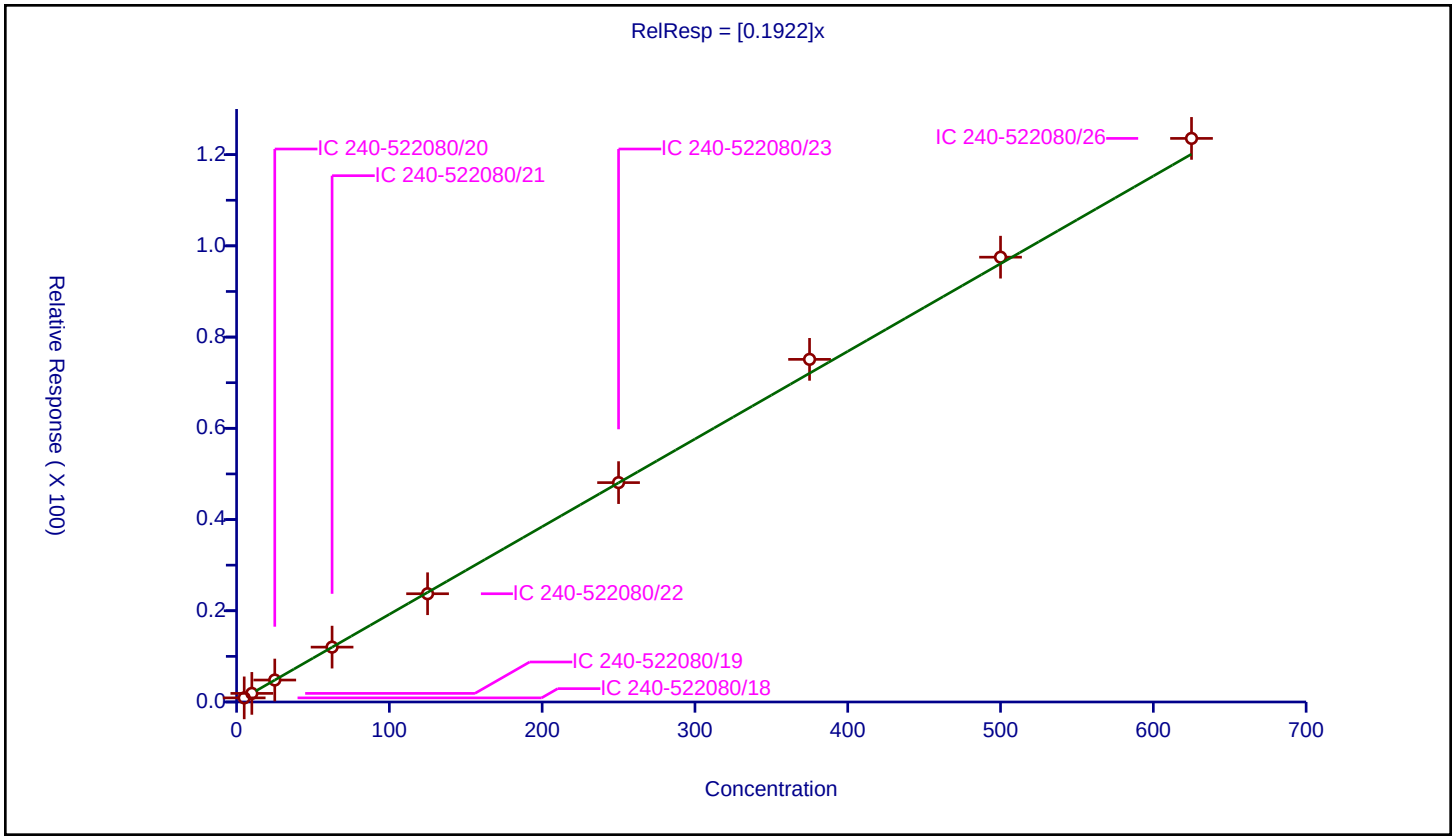
Curve Coefficients

Intercept:	0
Slope:	0.1922

Error Coefficients

Standard Error:	2360000
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	IC 240-522080/18	5.0	0.90301	28.9	974268.0	0.180602	Y
2	IC 240-522080/19	10.0	1.886899	28.9	955773.0	0.18869	Y
3	IC 240-522080/20	25.0	4.815425	28.9	954522.0	0.192617	Y
4	IC 240-522080/21	62.5	12.026537	28.9	981792.0	0.192425	Y
5	IC 240-522080/22	125.0	23.731556	28.9	1004541.0	0.189852	Y
6	IC 240-522080/23	250.0	48.094161	28.9	1028233.0	0.192377	Y
7	IC 240-522080/24	375.0	75.118191	28.9	1030179.0	0.200315	Y
8	IC 240-522080/25	500.0	97.517411	28.9	1051616.0	0.195035	Y
9	IC 240-522080/26	625.0	123.556485	28.9	1067455.0	0.19769	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

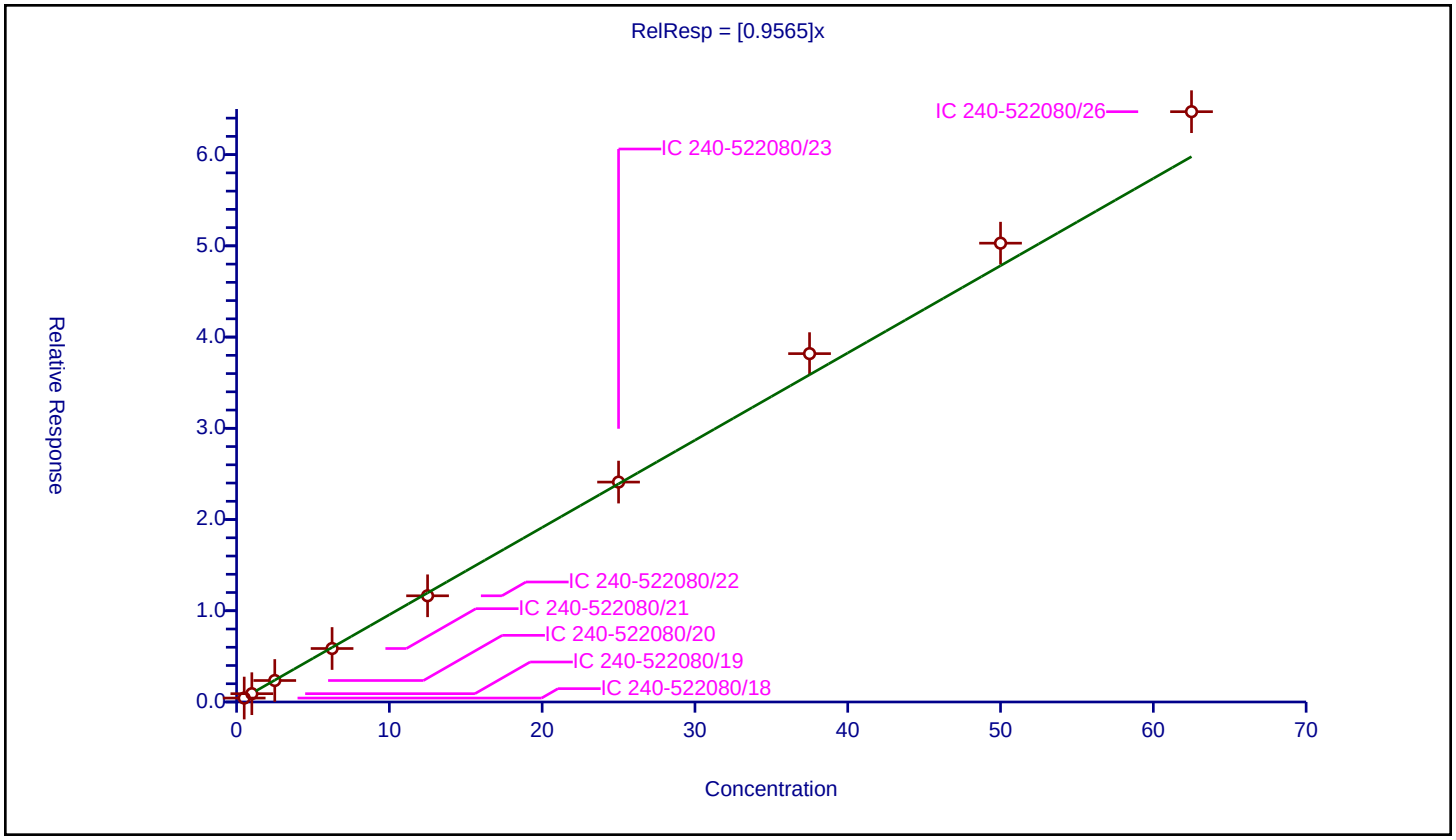
Curve Coefficients

Intercept:	0
Slope:	0.9565

Error Coefficients

Standard Error:	1220000
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	IC 240-522080/18	0.5	0.431126	28.9	974268.0	0.862253	Y
2	IC 240-522080/19	1.0	0.911685	28.9	955773.0	0.911685	Y
3	IC 240-522080/20	2.5	2.354032	28.9	954522.0	0.941613	Y
4	IC 240-522080/21	6.25	5.860908	28.9	981792.0	0.937745	Y
5	IC 240-522080/22	12.5	11.642758	28.9	1004541.0	0.931421	Y
6	IC 240-522080/23	25.0	24.104558	28.9	1028233.0	0.964182	Y
7	IC 240-522080/24	37.5	38.185528	28.9	1030179.0	1.018281	Y
8	IC 240-522080/25	50.0	50.294524	28.9	1051616.0	1.00589	Y
9	IC 240-522080/26	62.5	64.708	28.9	1067455.0	1.035328	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

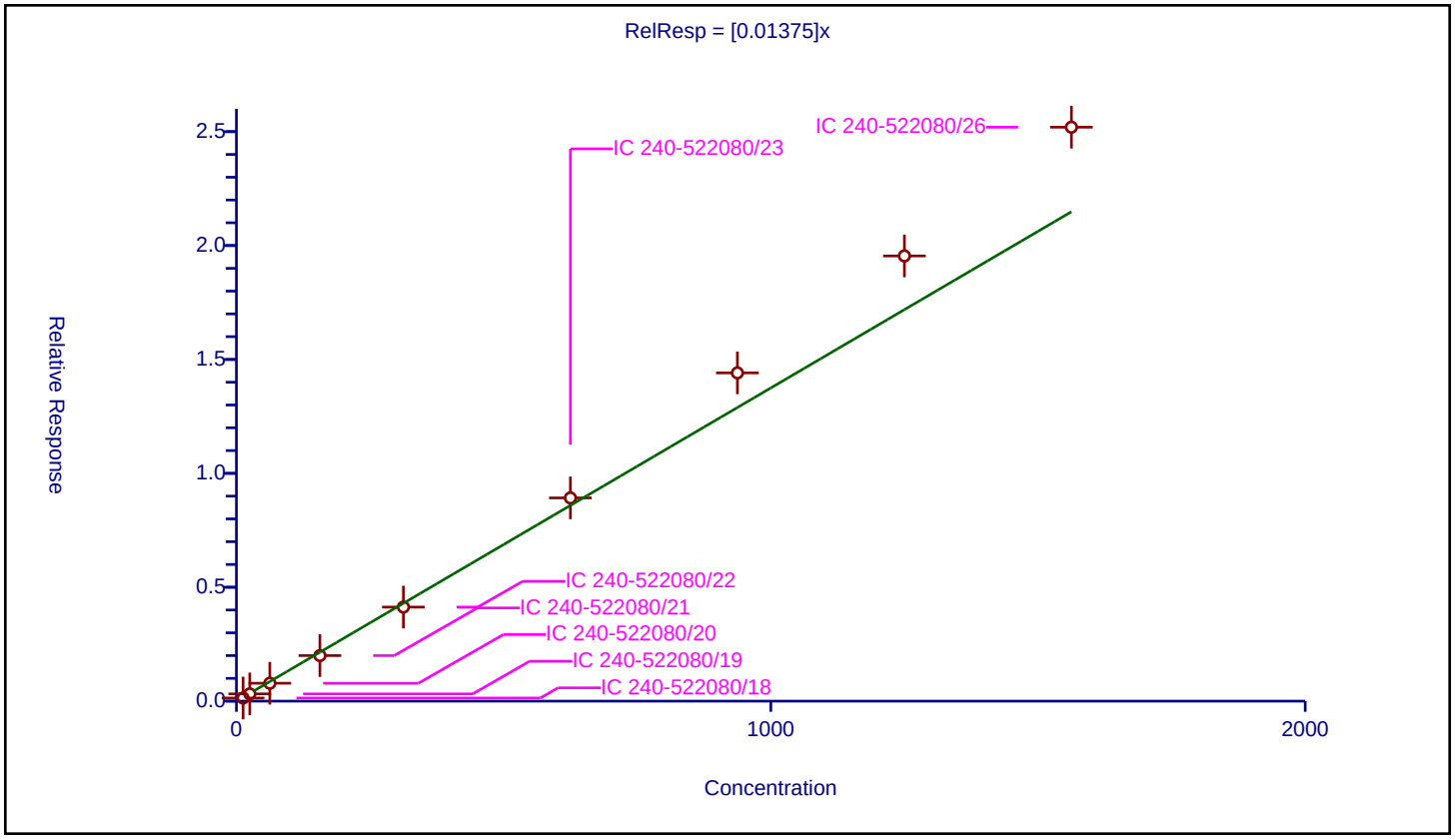
Curve Coefficients

Intercept:	0
Slope:	0.01375

Error Coefficients

Standard Error:	469000
Relative Standard Error:	12.4
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/18	12.5	0.137489	28.9	974268.0	0.010999	Y
2	IC 240-522080/19	25.0	0.318671	28.9	955773.0	0.012747	Y
3	IC 240-522080/20	62.5	0.78611	28.9	954522.0	0.012578	Y
4	IC 240-522080/21	156.25	2.000527	28.9	981792.0	0.012803	Y
5	IC 240-522080/22	312.5	4.129065	28.9	1004541.0	0.013213	Y
6	IC 240-522080/23	625.0	8.9215	28.9	1028233.0	0.014274	Y
7	IC 240-522080/24	937.5	14.410739	28.9	1030179.0	0.015371	Y
8	IC 240-522080/25	1250.0	19.545128	28.9	1051616.0	0.015636	Y
9	IC 240-522080/26	1562.5	25.195419	28.9	1067455.0	0.016125	Y



Calibration / Methyl methacrylate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

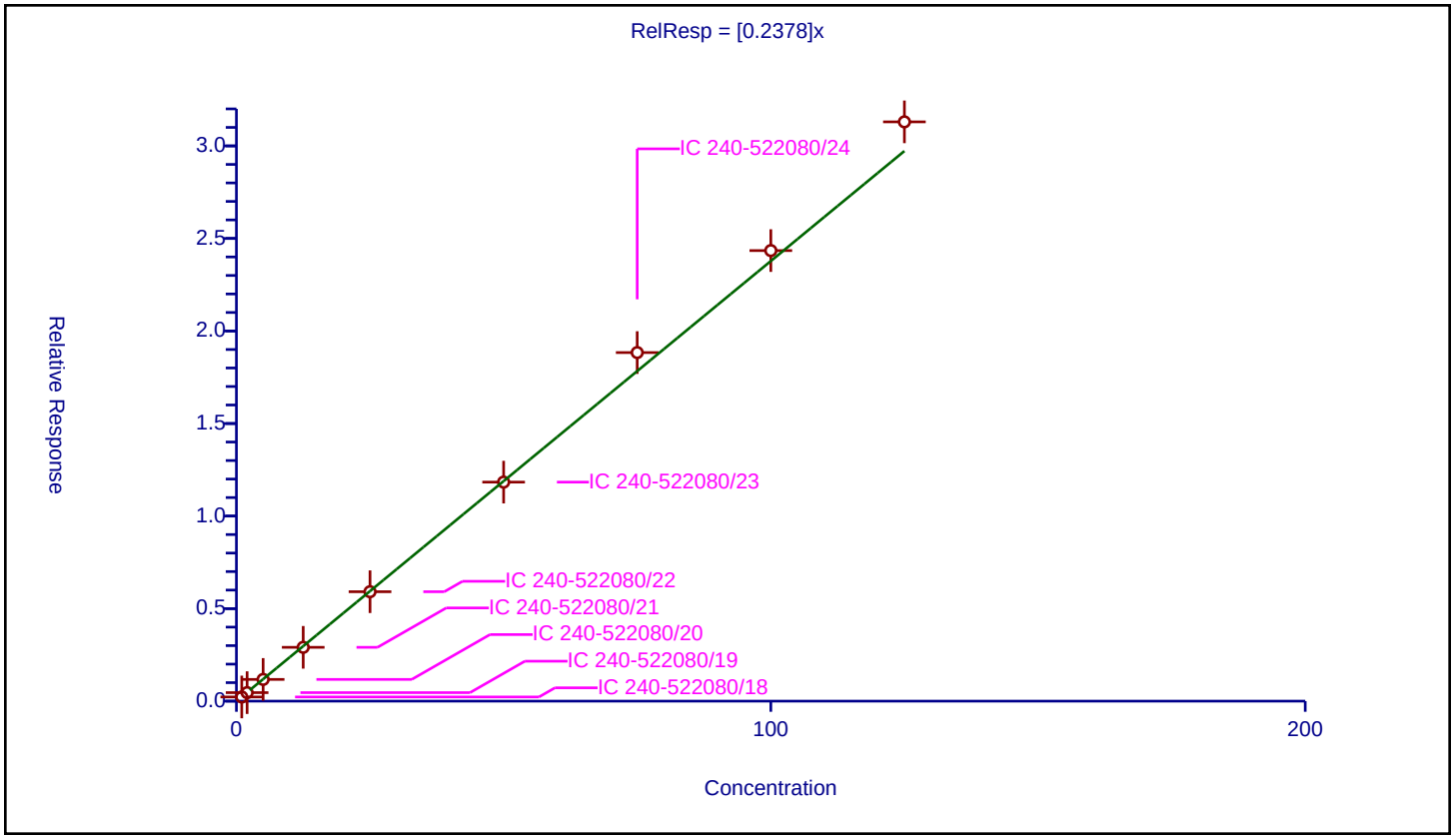
Curve Coefficients

Intercept:	0
Slope:	0.2378

Error Coefficients

Standard Error:	592000
Relative Standard Error:	3.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/18	1.0	0.225026	28.9	974268.0	0.225026	Y
2	IC 240-522080/19	2.0	0.459184	28.9	955773.0	0.229592	Y
3	IC 240-522080/20	5.0	1.173413	28.9	954522.0	0.234683	Y
4	IC 240-522080/21	12.5	2.908038	28.9	981792.0	0.232643	Y
5	IC 240-522080/22	25.0	5.912736	28.9	1004541.0	0.236509	Y
6	IC 240-522080/23	50.0	11.834904	28.9	1028233.0	0.236698	Y
7	IC 240-522080/24	75.0	18.834084	28.9	1030179.0	0.251121	Y
8	IC 240-522080/25	100.0	24.344362	28.9	1051616.0	0.243444	Y
9	IC 240-522080/26	125.0	31.299085	28.9	1067455.0	0.250393	Y



Calibration / 2-Nitropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

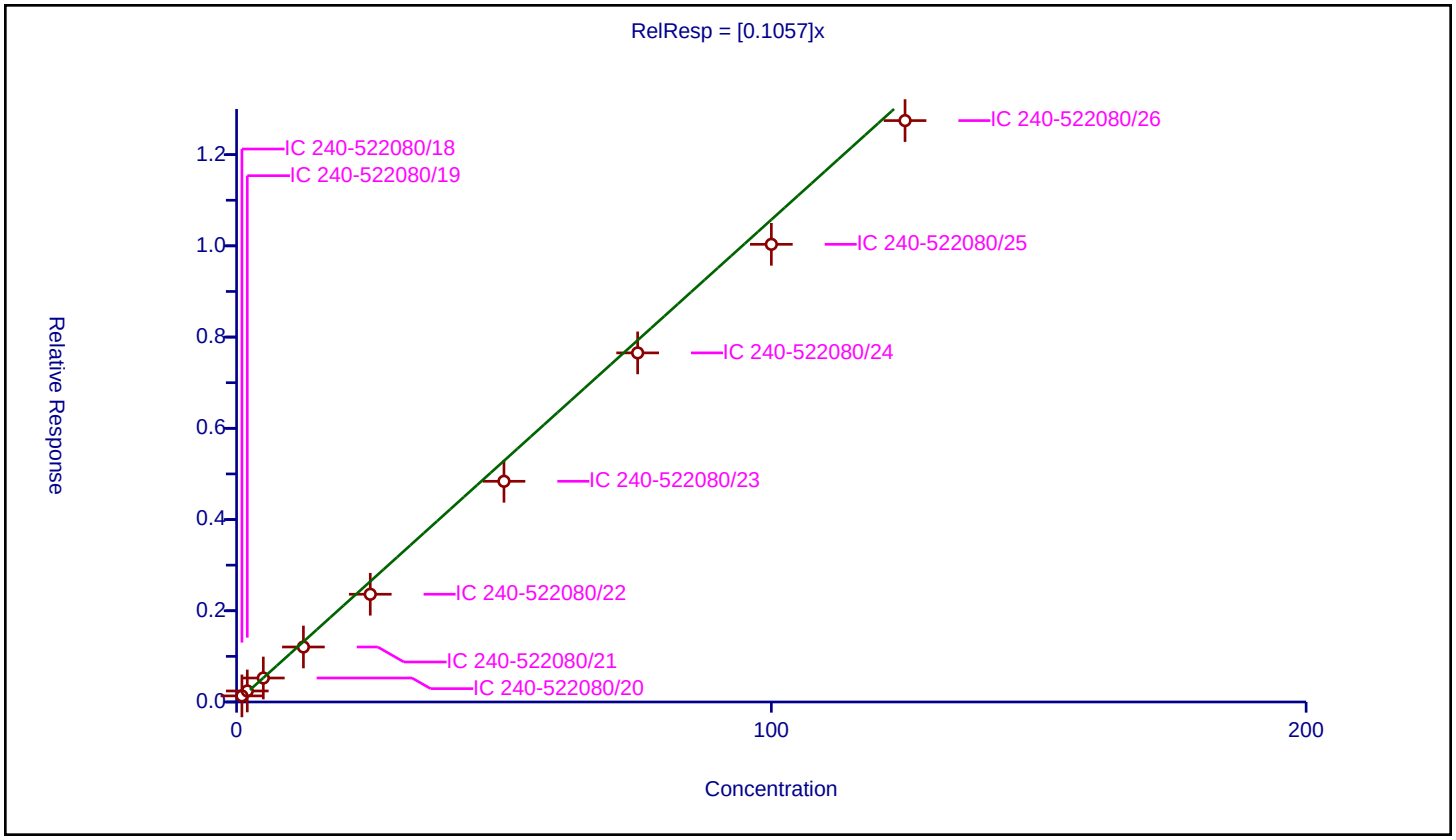
Curve Coefficients

Intercept:	0
Slope:	0.1057

Error Coefficients

Standard Error:	242000
Relative Standard Error:	12.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/18	1.0	0.133396	28.9	974268.0	0.133396	Y
2	IC 240-522080/19	2.0	0.241989	28.9	955773.0	0.120995	Y
3	IC 240-522080/20	5.0	0.526153	28.9	954522.0	0.105231	Y
4	IC 240-522080/21	12.5	1.205668	28.9	981792.0	0.096453	Y
5	IC 240-522080/22	25.0	2.361878	28.9	1004541.0	0.094475	Y
6	IC 240-522080/23	50.0	4.838557	28.9	1028233.0	0.096771	Y
7	IC 240-522080/24	75.0	7.653494	28.9	1030179.0	0.102047	Y
8	IC 240-522080/25	100.0	10.033831	28.9	1051616.0	0.100338	Y
9	IC 240-522080/26	125.0	12.74629	28.9	1067455.0	0.10197	Y



Calibration / n-Butyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

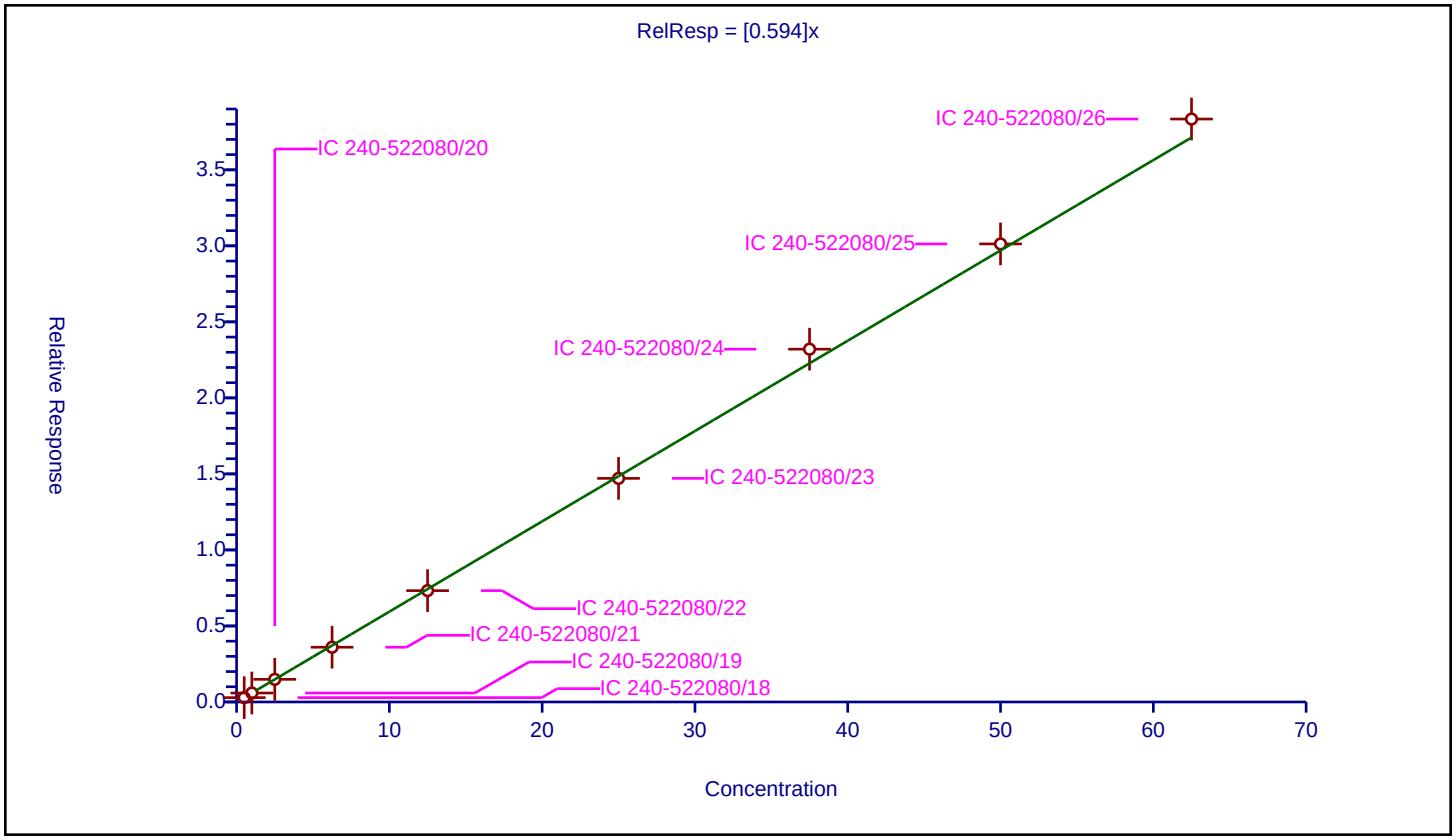
Curve Coefficients

Intercept:	0
Slope:	0.594

Error Coefficients

Standard Error:	525000
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	IC 240-522080/18	0.5	0.287182	28.9	760786.0	0.574364	Y
2	IC 240-522080/19	1.0	0.590857	28.9	752218.0	0.590857	Y
3	IC 240-522080/20	2.5	1.489032	28.9	739894.0	0.595613	Y
4	IC 240-522080/21	6.25	3.601275	28.9	751760.0	0.576204	Y
5	IC 240-522080/22	12.5	7.323607	28.9	757474.0	0.585889	Y
6	IC 240-522080/23	25.0	14.7069	28.9	757316.0	0.588276	Y
7	IC 240-522080/24	37.5	23.2052	28.9	752142.0	0.618805	Y
8	IC 240-522080/25	50.0	30.126656	28.9	755333.0	0.602533	Y
9	IC 240-522080/26	62.5	38.340208	28.9	762337.0	0.613443	Y



Calibration / 1-Chlorohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

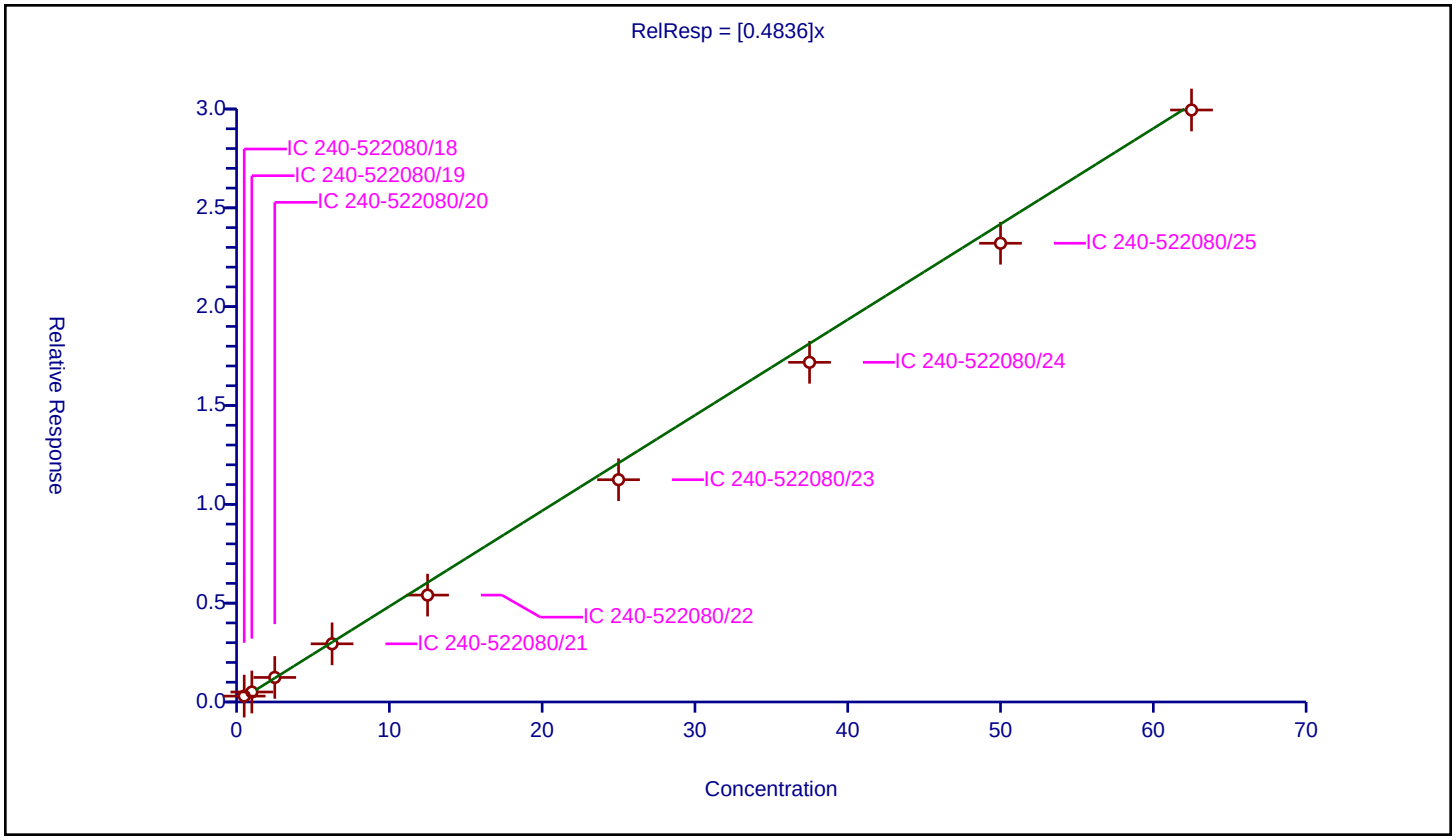
Curve Coefficients

Intercept:	0
Slope:	0.4836

Error Coefficients

Standard Error:	404000
Relative Standard Error:	9.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/18	0.5	0.297552	28.9	760786.0	0.595105	Y
2	IC 240-522080/19	1.0	0.505296	28.9	752218.0	0.505296	Y
3	IC 240-522080/20	2.5	1.242448	28.9	739894.0	0.496979	Y
4	IC 240-522080/21	6.25	2.943244	28.9	751760.0	0.470919	Y
5	IC 240-522080/22	12.5	5.407557	28.9	757474.0	0.432605	Y
6	IC 240-522080/23	25.0	11.246339	28.9	757316.0	0.449854	Y
7	IC 240-522080/24	37.5	17.184108	28.9	752142.0	0.458243	Y
8	IC 240-522080/25	50.0	23.208713	28.9	755333.0	0.464174	Y
9	IC 240-522080/26	62.5	29.950631	28.9	762337.0	0.47921	Y



Calibration / Cyclohexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

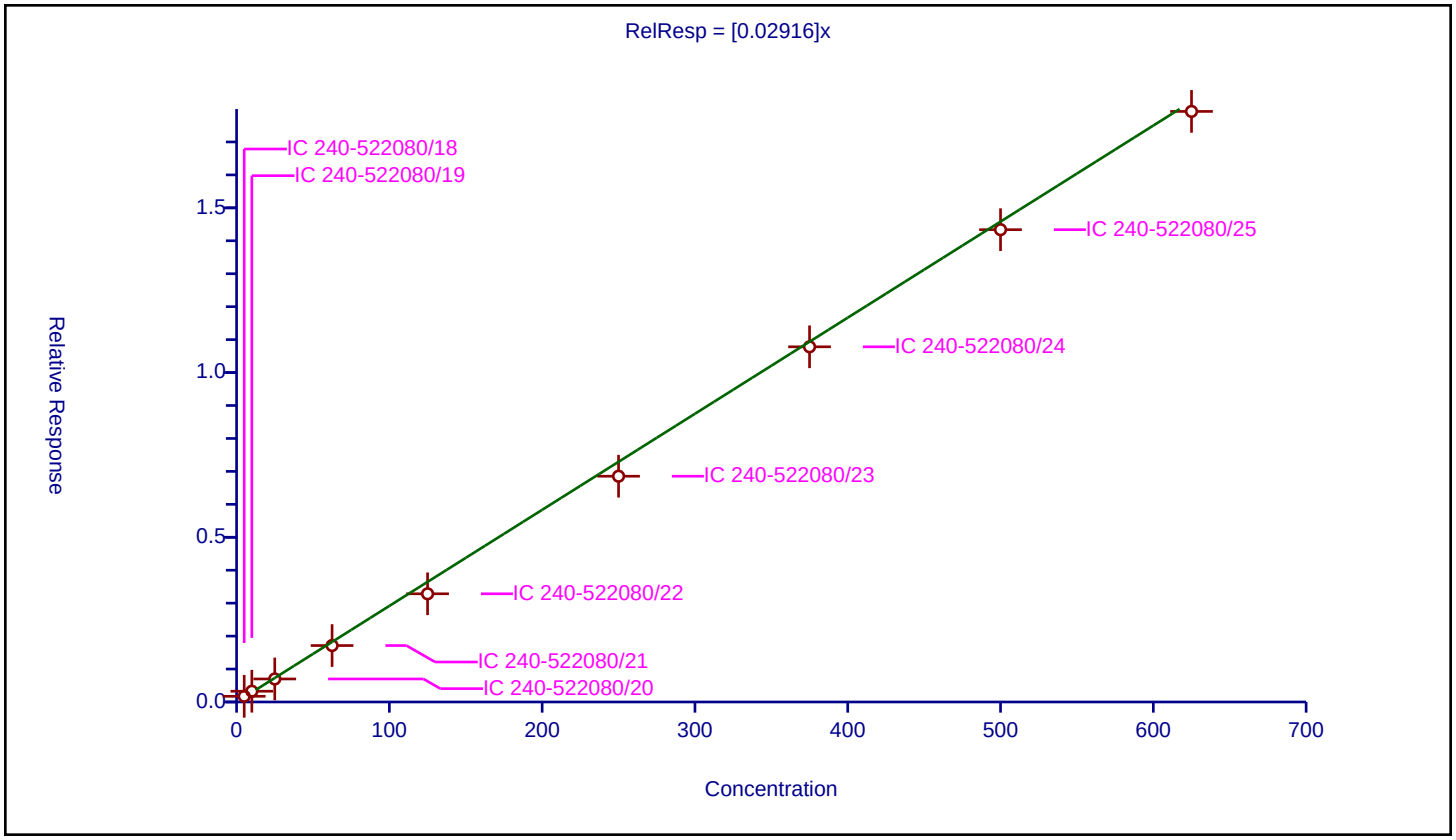
Curve Coefficients

Intercept:	0
Slope:	0.02916

Error Coefficients

Standard Error:	246000
Relative Standard Error:	9.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/18	5.0	0.173069	28.9	760786.0	0.034614	Y
2	IC 240-522080/19	10.0	0.32699	28.9	752218.0	0.032699	Y
3	IC 240-522080/20	25.0	0.698738	28.9	739894.0	0.02795	Y
4	IC 240-522080/21	62.5	1.713218	28.9	751760.0	0.027411	Y
5	IC 240-522080/22	125.0	3.284488	28.9	757474.0	0.026276	Y
6	IC 240-522080/23	250.0	6.853426	28.9	757316.0	0.027414	Y
7	IC 240-522080/24	375.0	10.782045	28.9	752142.0	0.028752	Y
8	IC 240-522080/25	500.0	14.336919	28.9	755333.0	0.028674	Y
9	IC 240-522080/26	625.0	17.926873	28.9	762337.0	0.028683	Y



Calibration / Pentachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

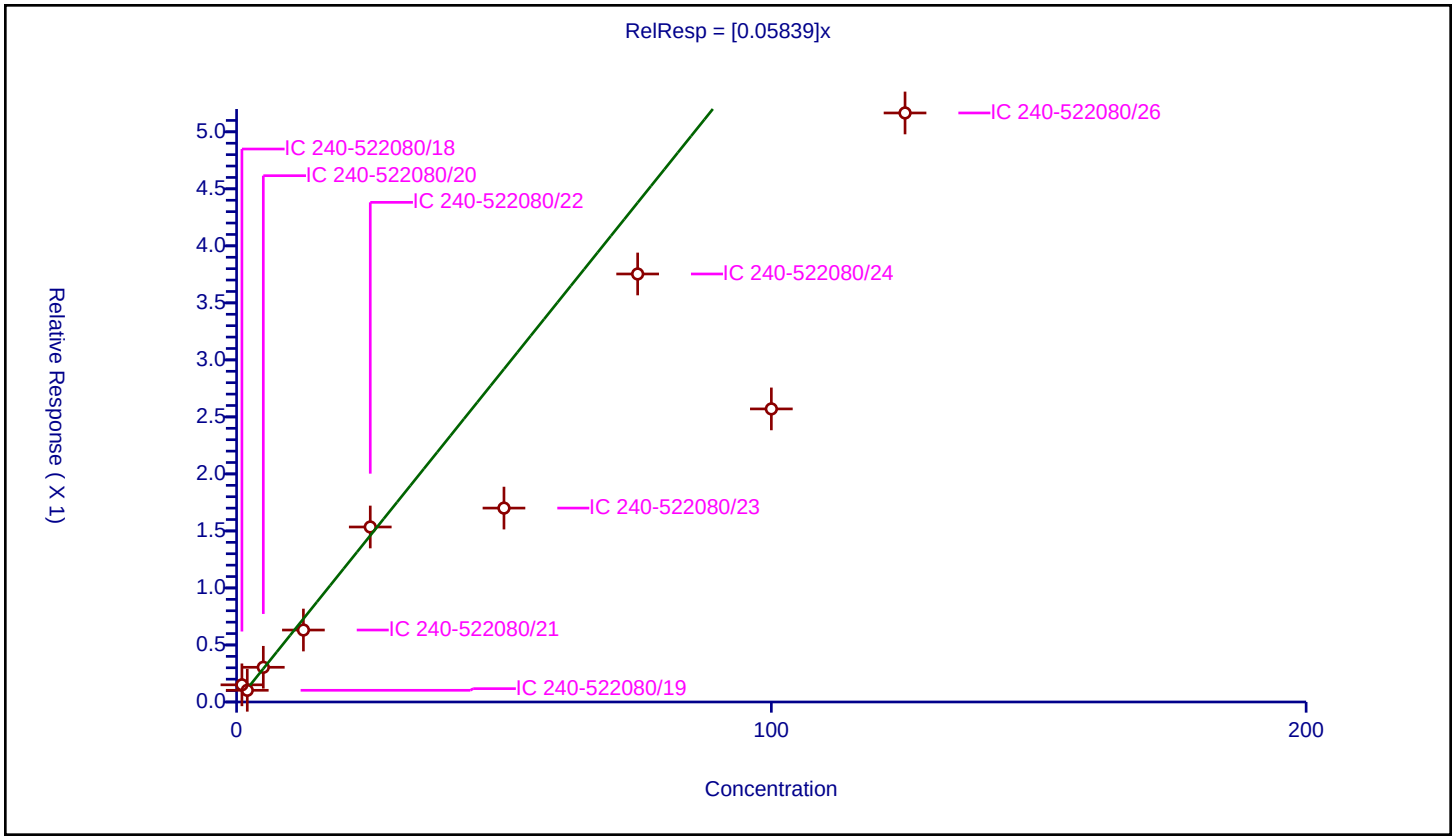
Curve Coefficients

Intercept:	0
Slope:	0.05839

Error Coefficients

Standard Error:	35900
Relative Standard Error:	62.4
Correlation Coefficient:	0.889
Coefficient of Determination (Adjusted):	0.0794

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/18	1.0	0.15038	28.9	410112.0	0.15038	Y
2	IC 240-522080/19	2.0	0.102509	28.9	405975.0	0.051254	Y
3	IC 240-522080/20	5.0	0.304441	28.9	394141.0	0.060888	Y
4	IC 240-522080/21	12.5	0.631154	28.9	400930.0	0.050492	Y
5	IC 240-522080/22	25.0	1.53455	28.9	404568.0	0.061382	Y
6	IC 240-522080/23	50.0	1.7004	28.9	403978.0	0.034008	Y
7	IC 240-522080/24	75.0	3.753446	28.9	397091.0	0.050046	Y
8	IC 240-522080/25	100.0	2.570039	28.9	399410.0	0.0257	Y
9	IC 240-522080/26	125.0	5.165424	28.9	405613.0	0.041323	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

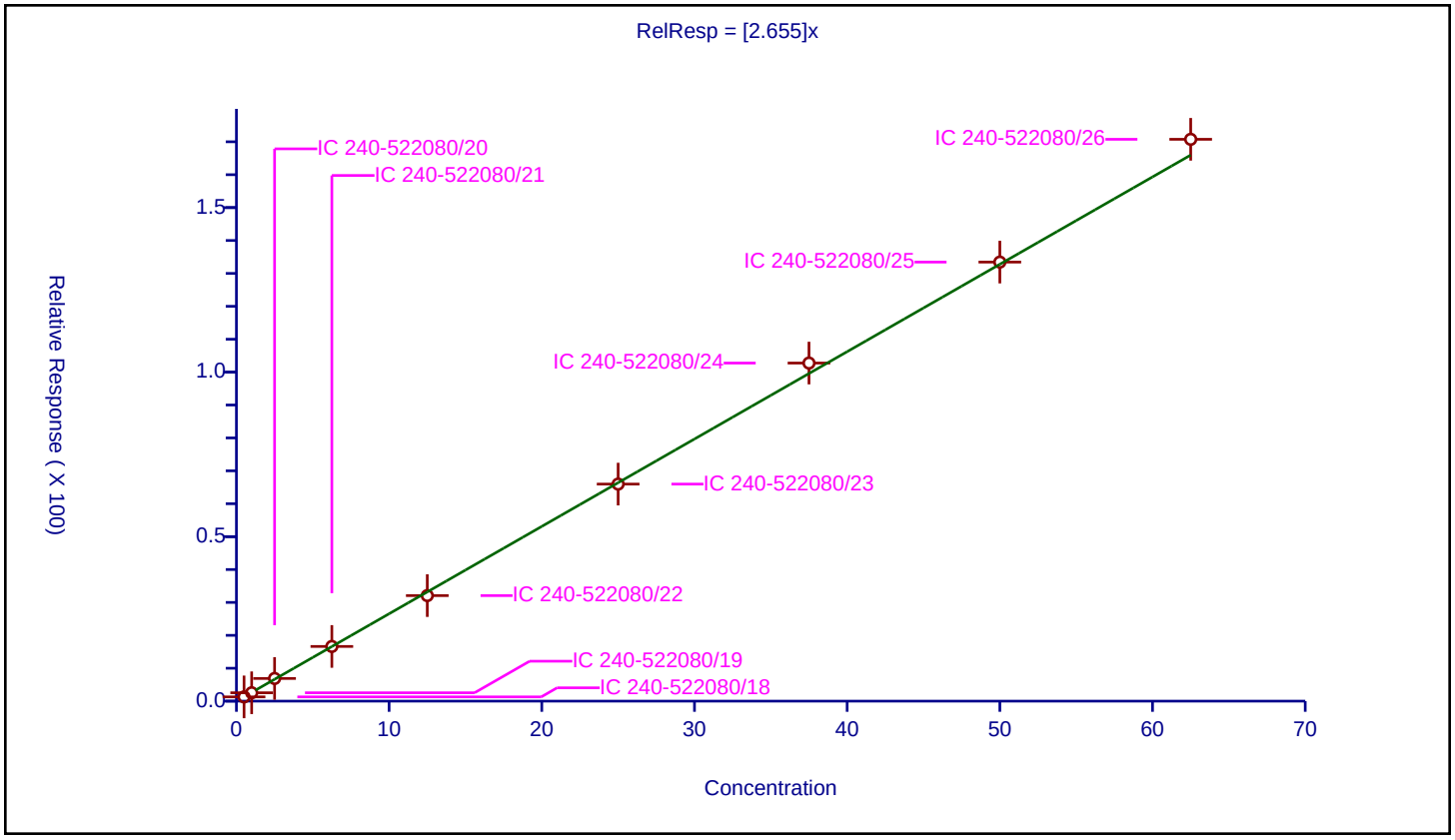
Curve Coefficients

Intercept:	0
Slope:	2.655

Error Coefficients

Standard Error:	1240000
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	IC 240-522080/18	0.5	1.295001	28.9	410112.0	2.590001	Y
2	IC 240-522080/19	1.0	2.547913	28.9	405975.0	2.547913	Y
3	IC 240-522080/20	2.5	6.890624	28.9	394141.0	2.75625	Y
4	IC 240-522080/21	6.25	16.621699	28.9	400930.0	2.659472	Y
5	IC 240-522080/22	12.5	32.073965	28.9	404568.0	2.565917	Y
6	IC 240-522080/23	25.0	65.964695	28.9	403978.0	2.638588	Y
7	IC 240-522080/24	37.5	102.749288	28.9	397091.0	2.739981	Y
8	IC 240-522080/25	50.0	133.434703	28.9	399410.0	2.668694	Y
9	IC 240-522080/26	62.5	170.751631	28.9	405613.0	2.732026	Y



Calibration / Benzyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

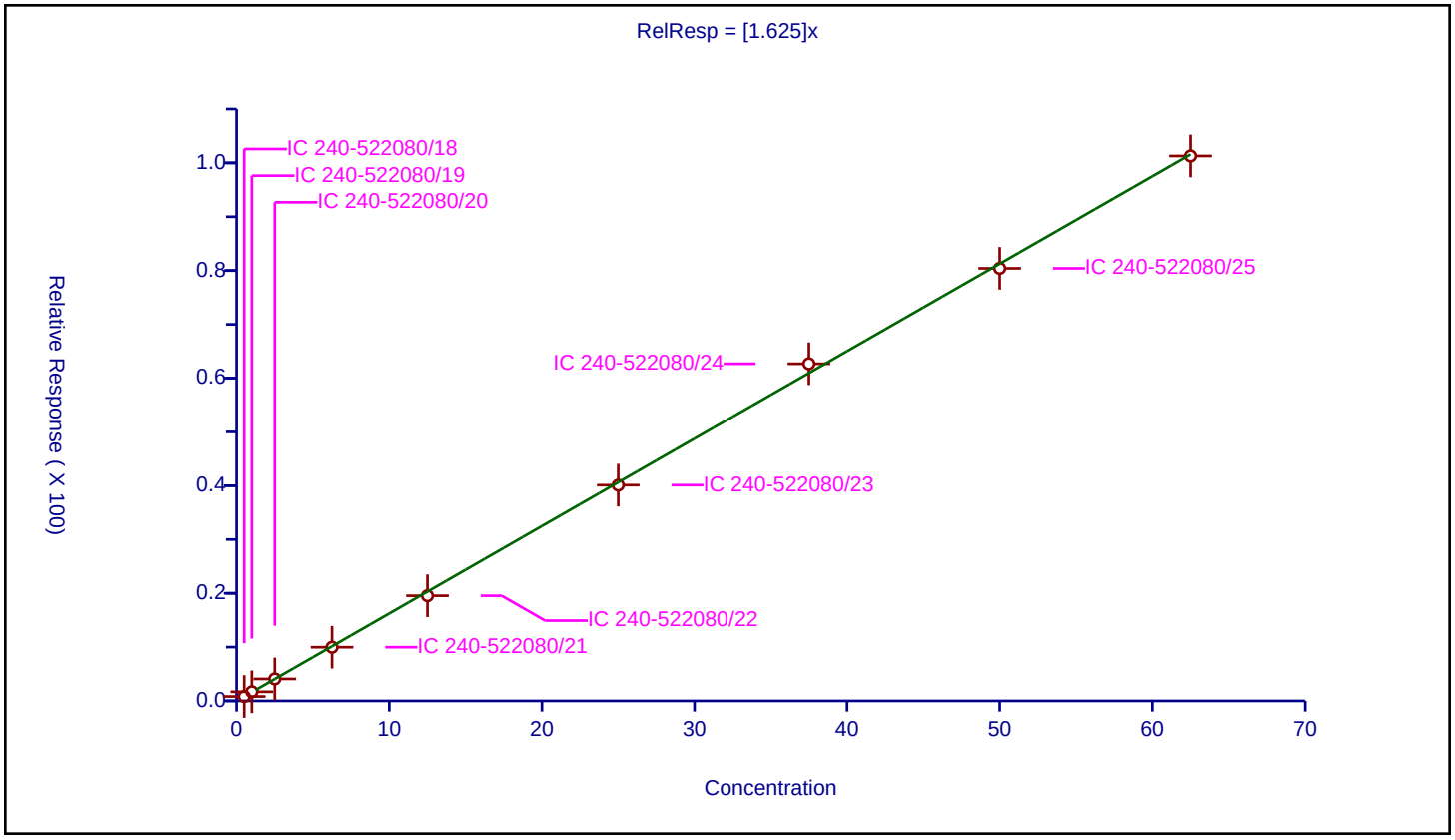
Curve Coefficients

Intercept:	0
Slope:	1.625

Error Coefficients

Standard Error:	742000
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	IC 240-522080/18	0.5	0.81659	28.9	410112.0	1.633179	Y
2	IC 240-522080/19	1.0	1.696164	28.9	405975.0	1.696164	Y
3	IC 240-522080/20	2.5	4.082828	28.9	394141.0	1.633131	Y
4	IC 240-522080/21	6.25	9.978728	28.9	400930.0	1.596597	Y
5	IC 240-522080/22	12.5	19.548975	28.9	404568.0	1.563918	Y
6	IC 240-522080/23	25.0	40.106728	28.9	403978.0	1.604269	Y
7	IC 240-522080/24	37.5	62.680652	28.9	397091.0	1.671484	Y
8	IC 240-522080/25	50.0	80.410898	28.9	399410.0	1.608218	Y
9	IC 240-522080/26	62.5	101.290683	28.9	405613.0	1.620651	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

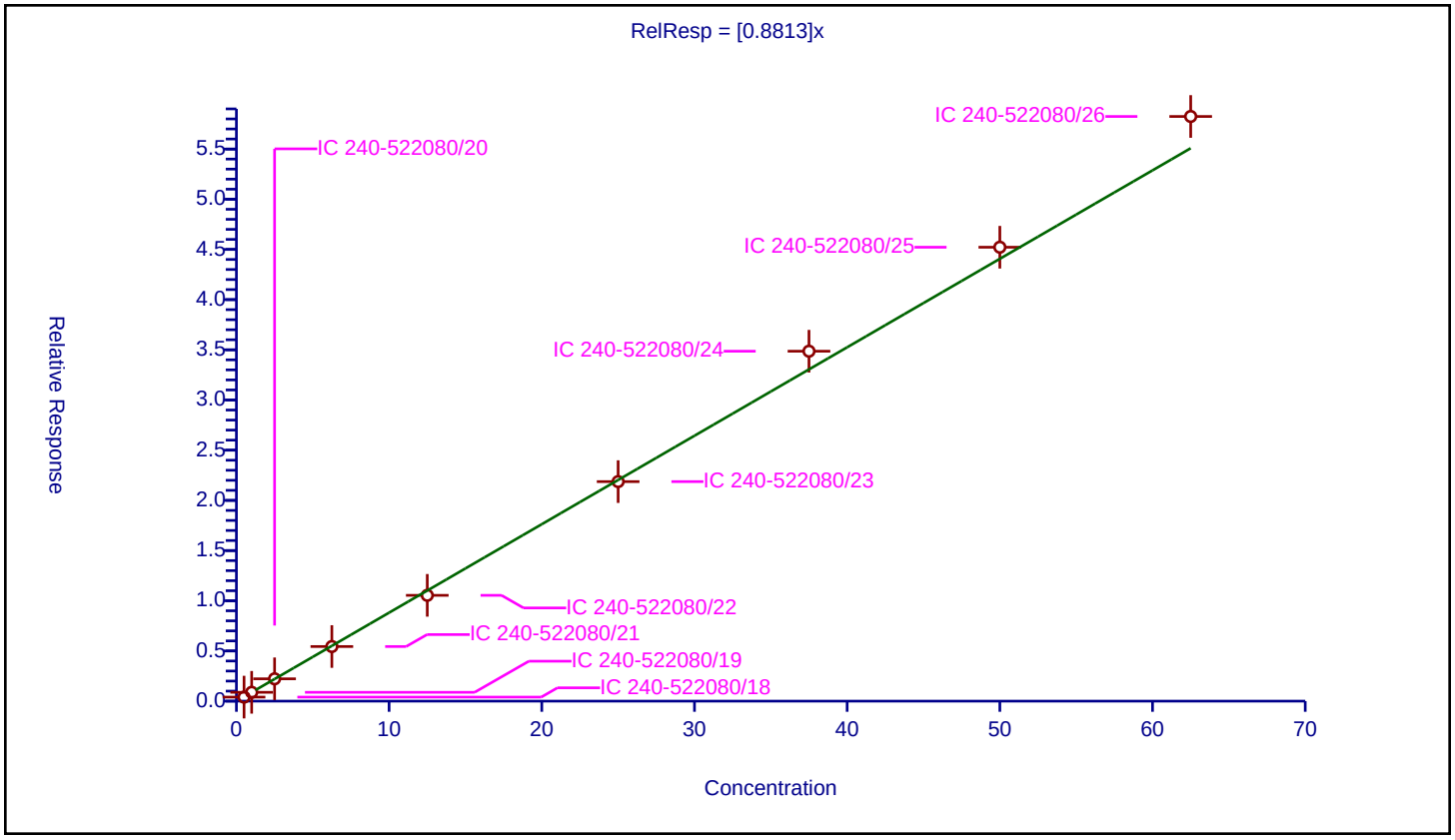
Curve Coefficients

Intercept:	0
Slope:	0.8813

Error Coefficients

Standard Error:	420000
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	IC 240-522080/18	0.5	0.40301	28.9	410112.0	0.806019	Y
2	IC 240-522080/19	1.0	0.880864	28.9	405975.0	0.880864	Y
3	IC 240-522080/20	2.5	2.22553	28.9	394141.0	0.890212	Y
4	IC 240-522080/21	6.25	5.440204	28.9	400930.0	0.870433	Y
5	IC 240-522080/22	12.5	10.541119	28.9	404568.0	0.84329	Y
6	IC 240-522080/23	25.0	21.869263	28.9	403978.0	0.874771	Y
7	IC 240-522080/24	37.5	34.860624	28.9	397091.0	0.929617	Y
8	IC 240-522080/25	50.0	45.219047	28.9	399410.0	0.904381	Y
9	IC 240-522080/26	62.5	58.244815	28.9	405613.0	0.931917	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

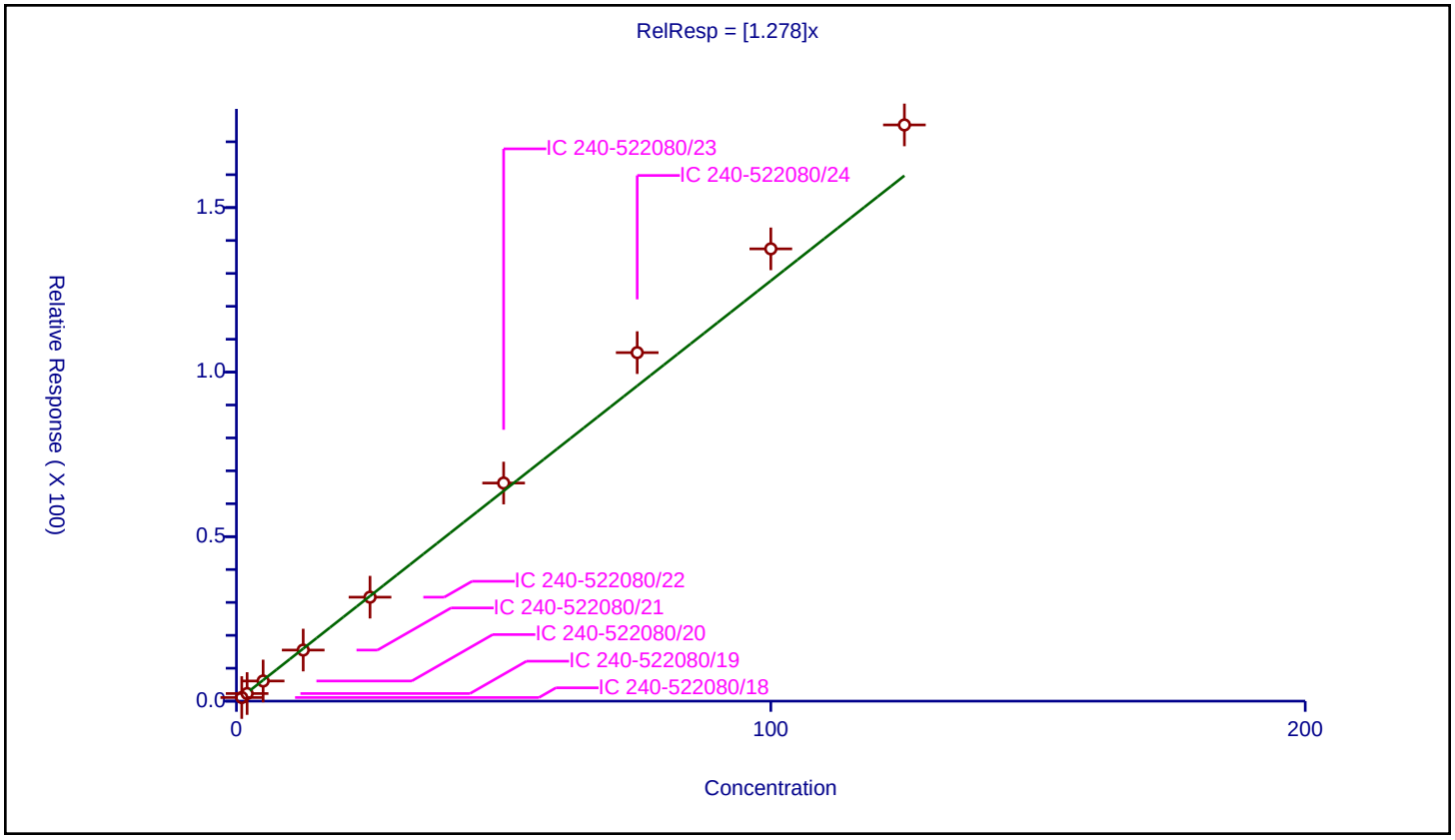
Curve Coefficients

Intercept:	0
Slope:	1.278

Error Coefficients

Standard Error:	1270000
Relative Standard Error:	8.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-522080/18	1.0	1.098887	28.9	410112.0	1.098887	Y
2	IC 240-522080/19	2.0	2.309651	28.9	405975.0	1.154825	Y
3	IC 240-522080/20	5.0	6.127395	28.9	394141.0	1.225479	Y
4	IC 240-522080/21	12.5	15.524172	28.9	400930.0	1.241934	Y
5	IC 240-522080/22	25.0	31.601857	28.9	404568.0	1.264074	Y
6	IC 240-522080/23	50.0	66.287834	28.9	403978.0	1.325757	Y
7	IC 240-522080/24	75.0	105.923848	28.9	397091.0	1.412318	Y
8	IC 240-522080/25	100.0	137.462223	28.9	399410.0	1.374622	Y
9	IC 240-522080/26	125.0	175.126891	28.9	405613.0	1.401015	Y



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Canton | Job No.: 240-171981-1 | Analy Batch No.: 524416

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2022 15:53 | Calibration End Date: 04/28/2022 19:03 | Calibration ID: 65475

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-524416/3	225395.D
Level 2	IC 240-524416/4	225396.D
Level 3	IC 240-524416/5	225397.D
Level 4	IC 240-524416/6	225398.D
Level 5	IC 240-524416/7	225399.D
Level 6	ICIS 240-524416/8	225400.D
Level 7	IC 240-524416/9	225401.D
Level 8	IC 240-524416/10	225402.D
Level 9	IC 240-524416/11	225403.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 9	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.2507 0.2698	0.3013 0.2709	0.3107 0.2607	0.2867 0.2543	0.2792	Ave		0.2760			0.1000	7.4		20.0			
Chloromethane	0.3767 0.2851	0.3616 0.2810	0.3412 0.2764	0.3116 0.2755	0.2907	Ave		0.3111			0.1000	12.6		20.0			
Vinyl chloride	0.3780 0.3336	0.3981 0.3239	0.3923 0.3088	0.3644 0.3089	0.3503	Ave		0.3509			0.1000	9.8		20.0			
Butadiene	0.3913 0.3257	0.4112 0.3080	0.4087 0.2972	0.3601 0.2909	0.3262	Ave		0.3466				13.7		20.0			
Bromomethane	0.3346 0.1342	0.2377 0.1383	0.1918 0.1390	0.1644 0.1435	0.1431	Lin1	0.1035	0.1377			0.0500	5.9			0.9990		0.9900
Chloroethane	+++++ 0.2249	0.3083 0.1756	0.2734 0.1569	0.2376 +++++	0.2270	Qua	-0.007	0.2671	-0.002234		0.0500	12.4			0.9960		0.9900
Trichlorofluoromethane	0.4451 0.4208	0.4817 0.4086	0.4977 0.3957	0.4621 0.3932	0.4357	Ave		0.4379			0.1000	8.5		20.0			
Dichlorofluoromethane	0.6504 0.5226	0.6414 0.5095	0.6145 0.4882	0.5661 0.4898	0.5431	Ave		0.5584				11.3		20.0			
Ethyl ether	0.2898 0.2241	0.2509 0.2231	0.2598 0.2094	0.2349 0.2070	0.2355	Ave		0.2372				11.1		20.0			
1,1,2-Trichloro-1,2,2-trichfluoroethane	+++++ 0.2243	0.2353 0.2293	0.2661 0.2232	0.2430 0.2197	0.2236	Ave		0.2330			0.0500	6.6		20.0			
Acrolein	0.0594 0.0513	0.0552 0.0535	0.0545 0.0531	0.0525 0.0517	0.0522	Ave		0.0537				4.6		20.0			
1,1-Dichloroethene	0.1970 0.2212	0.2517 0.2257	0.2470 0.2173	0.2381 0.2171	0.2295	Ave		0.2272			0.1000	7.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Canton | Job No.: 240-171981-1 | Analy Batch No.: 524416

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2022 15:53 | Calibration End Date: 04/28/2022 19:03 | Calibration ID: 65475

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 9	LVL 5		B	M1	M2								
Acetone	0.4076 0.1297	0.2663 0.1324	0.1772 0.1273	0.1412 0.1292	0.1301	Lin1	0.2727	0.1256			0.0100	4.4			0.9990		0.9900
Iodomethane	+++++ 0.1985	0.2187 0.2082	0.1871 0.2140	0.1814 0.2185	0.1876	Ave		0.2017				7.5		20.0			
Carbon disulfide	0.8024 0.6901	0.7796 0.6882	0.7803 0.6630	0.7355 0.6611	0.7034	Ave		0.7226			0.1000	7.4		20.0			
3-Chloro-1-propene	0.3990 0.3356	0.3845 0.3349	0.3548 0.3345	0.3596 0.3241	0.3565	Ave		0.3537				7.0		20.0			
Methyl acetate	0.3492 0.2699	0.2621 0.2779	0.2775 0.2730	0.2663 0.2771	0.2667	Ave		0.2800			0.1000	9.5		20.0			
Methylene Chloride	+++++ 0.2578	0.3043 0.2625	0.2991 0.2535	0.2802 0.2451	0.2688	Ave		0.2714			0.1000	7.9		20.0			
tert-Butyl alcohol	0.0391 0.0482	0.0376 0.0512	0.0401 0.0522	0.0425 0.0543	0.0437	Ave		0.0455				13.6		20.0			
Methyl tert-butyl ether	0.7593 0.7282	0.6828 0.7385	0.7584 0.7206	0.7238 0.7182	0.7210	Ave		0.7279			0.1000	3.2		20.0			
trans-1,2-Dichloroethene	0.2932 0.2513	0.2744 0.2488	0.2708 0.2427	0.2573 0.2426	0.2527	Ave		0.2593			0.1000	6.5		20.0			
Acrylonitrile	0.1635 0.1510	0.1422 0.1533	0.1557 0.1486	0.1524 0.1483	0.1519	Ave		0.1519				3.8		20.0			
Hexane	+++++ 0.3270	0.3111 0.3586	0.3233 0.3517	0.3306 0.3469	0.3112	Ave		0.3325				5.4		20.0			
1,1-Dichloroethane	0.4898 0.4509	0.4939 0.4539	0.5019 0.4381	0.4815 0.4391	0.4687	Ave		0.4686			0.2000	5.2		20.0			
Vinyl acetate	0.3568 0.3338	0.3516 0.3710	0.3281 0.4593	0.3476 +++++	0.4030	Ave		0.3689				11.7		20.0			
2,2-Dichloropropane	0.0641 0.0650	0.0599 0.0638	0.0742 0.0654	0.0596 0.0641	0.0632	Ave		0.0644				6.5		20.0			
cis-1,2-Dichloroethene	0.3411 0.2745	0.2896 0.2745	0.3152 0.2655	0.2878 0.2681	0.2840	Ave		0.2889			0.1000	8.5		20.0			
2-Butanone	+++++ 0.0528	0.0483 0.0536	0.0495 0.0528	0.0489 0.0534	0.0503	Ave		0.0512			0.0100	4.2		20.0			
Bromochloromethane	0.2623 0.2026	0.2239 0.2025	0.2412 0.1893	0.2226 0.1864	0.2152	Ave		0.2162				11.4		20.0			
Tetrahydrofuran	+++++ 0.1265	0.1606 0.1295	0.1249 0.1264	0.1255 0.1283	0.1257	Ave		0.1309				9.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Canton | Job No.: 240-171981-1 | Analy Batch No.: 524416

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2022 15:53 | Calibration End Date: 04/28/2022 19:03 | Calibration ID: 65475

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 9	LVL 5		B	M1	M2								
Chloroform	0.5483 0.4536	0.5001 0.4526	0.5056 0.4401	0.4820 0.4325	0.4587	Ave		0.4748			0.2000	7.9		20.0			
Cyclohexane	+++++ 0.3796	0.4020 0.3978	0.4347 0.3869	0.4290 0.3798	0.3898	Ave		0.4000			0.1000	5.3		20.0			
1,1,1-Trichloroethane	0.3614 0.3791	0.3959 0.3768	0.4173 0.3689	0.3964 0.3686	0.3749	Ave		0.3821			0.1000	4.6		20.0			
Carbon tetrachloride	0.2492 0.2843	0.3062 0.2855	0.3122 0.2809	0.2969 0.2834	0.2793	Ave		0.2864			0.1000	6.4		20.0			
1,1-Dichloropropene	0.3065 0.3617	0.3434 0.3589	0.3760 0.3501	0.3619 0.3519	0.3567	Ave		0.3519				5.5		20.0			
Benzene	1.1132 1.0255	1.0282 1.0361	1.0461 1.0011	1.0434 1.0048	1.0250	Ave		1.0359			0.5000	3.2		20.0			
Isobutyl alcohol	+++++ 0.0113	0.0063 0.0129	0.0070 +++++	0.0081 +++++	0.0094	Qua	-0.085	0.0081	0.0000052			10.4			1.0000		0.9900
1,2-Dichloroethane	0.4639 0.3416	0.3801 0.3464	0.3714 0.3283	0.3695 0.3218	0.3565	Ave		0.3644			0.1000	11.6		20.0			
n-Heptane	+++++ 0.0661	0.0629 0.0705	0.0674 0.0699	0.0685 0.0698	0.0635	Ave		0.0673				4.4		20.0			
Trichloroethene	0.2706 0.2605	0.2349 0.2595	0.2537 0.2474	0.2587 0.2563	0.2513	Ave		0.2548			0.1500	3.9		20.0			
Methylcyclohexane	+++++ 0.4140	0.3968 0.4375	0.4348 0.4351	0.4222 0.4274	0.4057	Ave		0.4217			0.1000	3.5		20.0			
1,2-Dichloropropane	0.2716 0.2527	0.2482 0.2561	0.2597 0.2493	0.2531 0.2486	0.2555	Ave		0.2550			0.1000	2.9		20.0			
Dibromomethane	0.1546 0.1523	0.1644 0.1551	0.1698 0.1458	0.1628 0.1447	0.1538	Ave		0.1559				5.4		20.0			
1,4-Dioxane	+++++ 0.0052	0.0036 0.0055	0.0043 0.0055	0.0047 0.0056	0.0049	Lin1	-0.056	0.0055				7.9			0.9990		0.9900
Bromodichloromethane	0.3721 0.3307	0.3463 0.3336	0.3562 0.3234	0.3359 0.3198	0.3345	Ave		0.3392			0.1500	4.9		20.0			
2-Chloroethyl vinyl ether	0.1757 0.1926	0.1622 0.2012	0.1786 0.1956	0.1745 0.1980	0.1827	Ave		0.1846				7.1		20.0			
cis-1,3-Dichloropropene	0.4067 0.3789	0.3412 0.3989	0.3702 0.3863	0.3767 0.3856	0.3739	Ave		0.3798			0.1500	4.9		20.0			
4-Methyl-2-pentanone	0.3404 0.3386	0.3058 0.3468	0.2984 0.3415	0.3095 0.3436	0.3223	Ave		0.3275			0.0500	5.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Canton Job No.: 240-171981-1 Analy Batch No.: 524416

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2022 15:53 Calibration End Date: 04/28/2022 19:03 Calibration ID: 65475

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 9	LVL 5		B	M1	M2								
Toluene	1.5693 1.4628	1.4169 1.4337	1.4974 1.4069	1.4455 1.4238	1.4208	Ave		1.4530			0.4000	3.6		20.0			
trans-1,3-Dichloropropene	0.4147 0.4447	0.3497 0.4718	0.3940 0.4622	0.3920 0.4684	0.4187	Ave		0.4240			0.1000	9.8		20.0			
Ethyl methacrylate	0.3841 0.4505	0.3262 0.4624	0.3890 0.4578	0.3905 0.4697	0.4183	Ave		0.4165				11.5		20.0			
1,1,2-Trichloroethane	0.3223 0.3141	0.2676 0.3237	0.3000 0.3063	0.3011 0.3109	0.3046	Ave		0.3056			0.1000	5.4		20.0			
Tetrachloroethene	0.2603 0.3238	0.3007 0.3207	0.3253 0.3109	0.3114 0.3191	0.3074	Ave		0.3088			0.1500	6.5		20.0			
1,3-Dichloropropane	0.5482 0.5608	0.4964 0.5650	0.5458 0.5500	0.5399 0.5471	0.5403	Ave		0.5437				3.6		20.0			
2-Hexanone	0.3530 0.3544	0.2965 0.3629	0.3113 0.3504	0.3286 0.3555	0.3341	Ave		0.3385			0.0500	6.7		20.0			
Dibromochloromethane	0.2891 0.2975	0.2842 0.3129	0.2911 0.3056	0.2917 0.3061	0.2938	Ave		0.2969				3.2		20.0			
1,2-Dibromoethane	0.3088 0.3294	0.2831 0.3420	0.3115 0.3271	0.3156 0.3318	0.3108	Ave		0.3178				5.4		20.0			
Chlorobenzene	0.9200 0.8872	0.8666 0.8820	0.9441 0.8584	0.8943 0.8696	0.8639	Ave		0.8873			0.3000	3.2		20.0			
Ethylbenzene	0.4842 0.5007	0.4734 0.4949	0.5002 0.4828	0.4889 0.4940	0.4837	Ave		0.4892				1.8		20.0			
1,1,1,2-Tetrachloroethane	0.2524 0.2783	0.2323 0.2900	0.2432 0.2840	0.2450 0.2902	0.2601	Ave		0.2639				8.4		20.0			
m-Xylene & p-Xylene	0.6070 0.6182	0.5938 0.5882	0.6410 0.5815	0.6087 0.5942	0.5853	Ave		0.6020				3.1		20.0			
o-Xylene	0.6097 0.5951	0.5777 0.5736	0.6056 0.5617	0.5878 0.5741	0.5813	Ave		0.5852				2.7		20.0			
Styrene	1.0024 1.0102	0.9053 1.0056	1.0042 0.9736	0.9799 0.9889	0.9766	Ave		0.9830			0.3000	3.3		20.0			
Bromoform	0.1945 0.1992	0.1597 0.2066	0.1751 0.2046	0.1772 0.2104	0.1862	Ave		0.1904			0.1000	9.0		20.0			
Isopropylbenzene	1.3799 1.5744	1.4777 1.5484	1.6470 1.5182	1.5686 1.5468	1.5369	Ave		1.5331			0.1000	4.8		20.0			
Bromobenzene	0.6992 0.6764	0.5962 0.6930	0.6835 0.6690	0.6599 0.6683	0.6515	Ave		0.6663				4.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Canton | Job No.: 240-171981-1 | Analy Batch No.: 524416

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2022 15:53 | Calibration End Date: 04/28/2022 19:03 | Calibration ID: 65475

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 9	LVL 5		B	M1	M2								
1,1,2,2-Tetrachloroethane	1.0169 0.9596	0.8948 0.9991	0.9218 1.0210	0.9260 0.9675	0.9454	Ave		0.9613			0.3000	4.6		20.0			
n-Propylbenzene	0.7552 0.8225	0.7298 0.8242	0.8600 0.8056	0.8028 0.8168	0.7792	Ave		0.7996				4.9		20.0			
1,2,3-Trichloropropane	0.3068 0.3209	0.2458 0.3284	0.3184 0.3216	0.3037 0.3159	0.3100	Ave		0.3079				8.0		20.0			
trans-1,4-Dichloro-2-butene	0.1871 0.2539	0.1776 0.2748	0.2088 0.2791	0.2161 0.2782	0.2322	Ave		0.2342				16.8		20.0			
2-Chlorotoluene	0.7214 0.6864	0.6037 0.6843	0.7033 0.6753	0.6765 0.6770	0.6673	Ave		0.6772				4.8		20.0			
1,3,5-Trimethylbenzene	2.3399 2.5501	2.2502 2.5067	2.5367 2.4733	2.4909 2.5029	2.4569	Ave		2.4564				4.0		20.0			
4-Chlorotoluene	0.6725 0.7032	0.6225 0.7189	0.7515 0.6871	0.6960 0.7011	0.6678	Ave		0.6912				5.2		20.0			
tert-Butylbenzene	1.7968 2.1326	2.0271 2.1495	2.2337 2.1017	2.1028 2.1397	2.1047	Ave		2.0876				5.8		20.0			
1,2,4-Trimethylbenzene	2.4653 2.6068	2.2930 2.6055	2.6224 2.5474	2.5675 2.5786	2.5723	Ave		2.5399				4.1		20.0			
sec-Butylbenzene	2.5723 3.2624	3.0914 3.3253	3.3878 3.2388	3.2676 3.2526	3.1728	Ave		3.1746				7.6		20.0			
1,3-Dichlorobenzene	1.2824 1.3163	1.2359 1.3408	1.3339 1.3136	1.3350 1.3322	1.3153	Ave		1.3117			0.6000	2.6		20.0			
p-Isopropyltoluene	2.1402 2.7375	2.3955 2.7467	2.6967 2.7218	2.6963 2.7486	2.6141	Ave		2.6108				8.0		20.0			
1,4-Dichlorobenzene	1.4984 1.3275	1.2210 1.3405	1.3590 1.3089	1.3399 1.3245	1.3017	Ave		1.3357			0.5000	5.4		20.0			
n-Butylbenzene	1.9569 2.6168	2.1831 2.6602	2.5774 2.6283	2.5558 2.6602	2.5221	Ave		2.4845				9.9		20.0			
1,2-Dichlorobenzene	1.3463 1.2813	1.2232 1.2777	1.2983 1.2481	1.2578 1.2581	1.2569	Ave		1.2720			0.4000	2.8		20.0			
1,2-Dibromo-3-Chloropropane	0.2370 0.2500	0.2071 0.2662	0.2228 0.2669	0.2216 0.2682	0.2422	Ave		0.2424			0.0500	9.2		20.0			
1,2,4-Trichlorobenzene	0.7217 0.7980	0.6883 0.8402	0.7954 0.8245	0.7814 0.8258	0.7752	Ave		0.7834			0.2000	6.4		20.0			
Hexachlorobutadiene	+++++ 0.3070	0.2904 0.3156	0.3271 0.3215	0.3071 0.3148	0.2953	Ave		0.3098				4.0		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 Canton Job No.: 240-171981-1 Analy Batch No.: 524416

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2022 15:53 Calibration End Date: 04/28/2022 19:03 Calibration ID: 65475

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 9	LVL 5		B	M1	M2								
Naphthalene	2.7556 2.8839	2.4249 3.0251	2.7692 2.9828	2.7394 2.9422	2.7451	Ave		2.8076				6.4		20.0			
1,2,3-Trichlorobenzene	0.7747 0.7583	0.6707 0.8000	0.7725 0.7846	0.7452 0.7945	0.7356	Ave		0.7596				5.2		20.0			
Dibromofluoromethane (Surr)	0.3084 0.2734	0.2614 0.2767	0.2644 0.2764	0.2178 0.2728	0.2656	Ave		0.2685				8.7		20.0			
1,2-Dichloroethane-d4 (Surr)	0.4914 0.3097	0.3953 0.3145	0.3432 0.3035	0.2637 0.3055	0.3062	Lin1	0.0781	0.3045				8.1			0.9990		0.9900
Toluene-d8 (Surr)	1.3990 1.4303	1.2717 1.4242	1.2054 1.4410	1.0396 1.4390	1.3176	Ave		1.3298				10.3		20.0			
4-Bromofluorobenzene (Surr)	0.5933 0.5282	0.4789 0.5264	0.4725 0.5279	0.3934 0.5306	0.4813	Ave		0.5036				11.0		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
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Canton Job No.: 240-171981-1 Analy Batch No.: 524416

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2022 15:53 Calibration End Date: 04/28/2022 19:03 Calibration ID: 65475

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-524416/3	225395.D
Level 2	IC 240-524416/4	225396.D
Level 3	IC 240-524416/5	225397.D
Level 4	IC 240-524416/6	225398.D
Level 5	IC 240-524416/7	225399.D
Level 6	ICIS 240-524416/8	225400.D
Level 7	IC 240-524416/9	225401.D
Level 8	IC 240-524416/10	225402.D
Level 9	IC 240-524416/11	225403.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 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Dichlorodifluoromethane	FB	Ave	4890	12057	31006	75147	153879	0.500	1.00	2.50	6.25	12.5
			306047	476987	636869	788787		25.0	37.5	50.0	62.5	
Chloromethane	FB	Ave	7348	14471	34042	81682	160233	0.500	1.00	2.50	6.25	12.5
			323479	494729	675227	854516		25.0	37.5	50.0	62.5	
Vinyl chloride	FB	Ave	7373	15931	39143	95511	193065	0.500	1.00	2.50	6.25	12.5
			378467	570285	754463	958130		25.0	37.5	50.0	62.5	
Butadiene	FB	Ave	7632	16454	40784	94402	179788	0.500	1.00	2.50	6.25	12.5
			369508	542314	726282	902252		25.0	37.5	50.0	62.5	
Bromomethane	FB	Lin1	6525	9510	19134	43108	78884	0.500	1.00	2.50	6.25	12.5
			152205	243565	339512	444930		25.0	37.5	50.0	62.5	
Chloroethane	FB	Qua	+++++	12338	27282	62284	125140	+++++	1.00	2.50	6.25	12.5
			255150	309149	383261	+++++		25.0	37.5	50.0	+++++	
Trichlorofluoromethane	FB	Ave	8682	19276	49656	121142	240158	0.500	1.00	2.50	6.25	12.5
			477378	719458	966916	1219541		25.0	37.5	50.0	62.5	
Dichlorofluoromethane	FB	Ave	12685	25663	61316	148396	299337	0.500	1.00	2.50	6.25	12.5
			592964	896982	1192925	1518883		25.0	37.5	50.0	62.5	
Ethyl ether	FB	Ave	5653	10041	25919	61585	129778	0.500	1.00	2.50	6.25	12.5
			254270	392841	511633	641851		25.0	37.5	50.0	62.5	
1,1,2-Trichloro-1,2,2-trichfluoroethane	FB	Ave	+++++	9417	26547	63703	123231	+++++	1.00	2.50	6.25	12.5
			254431	403723	545312	681195		25.0	37.5	50.0	62.5	
Acrolein	FB	Ave	5795	11042	27211	68854	143849	2.50	5.00	12.5	31.3	62.5
			290895	470837	648423	801408		125	188	250	313	
1,1-Dichloroethene	FB	Ave	3843	10073	24642	62412	126497	0.500	1.00	2.50	6.25	12.5
			250988	397388	530841	673331		25.0	37.5	50.0	62.5	

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Canton Job No.: 240-171981-1 Analy Batch No.: 524416

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2022 15:53 Calibration End Date: 04/28/2022 19:03 Calibration ID: 65475

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Acetone	FB	Lin1	15901 294401	21311 466343	35370 622155	74009 801514	143374	1.00 50.0	2.00 75.0	5.00 100	12.5 125	25.0
Iodomethane	FB	Ave	+++++ 225186	8750 366525	18668 522847	47562 677687	103392	+++++ 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Carbon disulfide	FB	Ave	15649 783001	31195 1211711	77854 1619917	192808 2050318	387699	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
3-Chloro-1-propene	FB	Ave	7781 380804	15387 589603	35397 817206	94277 1005013	196489	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Methyl acetate	FB	Ave	13620 612444	20976 978418	55384 1334224	139606 1718778	294046	1.00 50.0	2.00 75.0	5.00 100	12.5 125	25.0
Methylene Chloride	FB	Ave	+++++ 292484	12176 462218	29846 619482	73446 760232	148165	+++++ 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
tert-Butyl alcohol	FB	Ave	7635 547213	15040 902259	40043 1276020	111508 1683191	241097	5.00 250	10.0 375	25.0 500	62.5 625	125
Methyl tert-butyl ether	FB	Ave	14810 826138	27322 1300264	75675 1760755	189732 2227260	397423	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
trans-1,2-Dichloroethene	FB	Ave	5718 285161	10979 438034	27025 593115	67438 752370	139307	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Acrylonitrile	FB	Ave	31883 1713489	56892 2698332	155323 3629901	399563 4600449	837176	5.00 250	10.0 375	25.0 500	62.5 625	125
Hexane	FB	Ave	+++++ 370985	12447 631339	32255 859375	86670 1075945	171506	+++++ 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,1-Dichloroethane	FB	Ave	9553 511547	19762 799070	50080 1070354	126229 1361763	258351	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Vinyl acetate	FB	Ave	6959 378713	14068 653195	32737 1122294	91114 +++++	222115	0.500 25.0	1.00 37.5	2.50 50.0	6.25 +++++	12.5
2,2-Dichloropropane	FB	Ave	1251 73719	2396 112334	7402 159748	15633 198800	34820	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
cis-1,2-Dichloroethene	FB	Ave	6653 311384	11590 483278	31450 648784	75446 831484	156538	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
2-Butanone	FB	Ave	+++++ 119728	3864 188724	9880 258088	25637 331011	55425	+++++ 50.0	2.00 75.0	5.00 100	12.5 125	25.0
Bromochloromethane	FB	Ave	5115 229841	8961 356551	24062 462606	58359 577966	118589	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Tetrahydrofuran	FB	Ave	+++++ 287130	12849 456055	24927 617596	65772 795750	138573	+++++ 50.0	2.00 75.0	5.00 100	12.5 125	25.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Canton Job No.: 240-171981-1 Analy Batch No.: 524416

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2022 15:53 Calibration End Date: 04/28/2022 19:03 Calibration ID: 65475

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Chloroform	FB	Ave	10694 514619	20013 796798	50453 1075323	126345 1341162	252852	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Cyclohexane	FB	Ave	+++++ 430716	16087 700308	43374 945364	112454 1177771	214856	+++++ 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,1,1-Trichloroethane	FB	Ave	7048 430164	15842 663381	41634 901396	103908 1143024	206647	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Carbon tetrachloride	FB	Ave	4860 322531	12252 502568	31154 686332	77839 878759	153945	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,1-Dichloropropene	FB	Ave	5978 410352	13740 631882	37522 855441	94880 1091323	196583	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Benzene	FB	Ave	21712 1163436	41143 1824141	104383 2446172	273519 3116242	564967	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Isobutyl alcohol	FB	Qua	+++++ 319841	6303 566758	17405 +++++	53032 +++++	129300	+++++ 625	25.0 938	62.5 +++++	156 +++++	313
1,2-Dichloroethane	FB	Ave	9048 387607	15209 609813	37060 802120	96856 998019	196518	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
n-Heptane	FB	Ave	+++++ 75006	2515 124189	6730 170720	17944 216415	35011	+++++ 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Trichloroethene	FB	Ave	5278 295526	9401 456818	25319 604413	67802 794710	138523	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Methylcyclohexane	FB	Ave	+++++ 469665	15879 770286	43386 1063091	110679 1325520	223632	+++++ 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,2-Dichloropropane	FB	Ave	5298 286736	9931 450909	25912 609223	66359 770838	140850	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Dibromomethane	FB	Ave	3016 172771	6579 273143	16942 356188	42669 448875	84763	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,4-Dioxane	FB	Lin1	+++++ 117664	2880 192204	8555 268548	24554 348083	54056	+++++ 500	20.0 750	50.0 1000	125 1250	250
Bromodichloromethane	FB	Ave	7258 375236	13855 587411	35544 790129	88052 991870	184377	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
2-Chloroethyl vinyl ether	FB	Ave	6852 437072	12983 708494	35650 955950	91507 1227873	201405	1.00 50.0	2.00 75.0	5.00 100	12.5 125	25.0
cis-1,3-Dichloropropene	FB	Ave	7933 429917	13652 702229	36943 943839	98747 1195806	206082	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
4-Methyl-2-pentanone	FB	Ave	13280 768371	24476 1221184	59540 1668749	162272 2131426	355333	1.00 50.0	2.00 75.0	5.00 100	12.5 125	25.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Canton Job No.: 240-171981-1 Analy Batch No.: 524416

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2022 15:53 Calibration End Date: 04/28/2022 19:03 Calibration ID: 65475

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Toluene	CBNZ d5	Ave	24159 1227866	44018 1873986	113828 2525370	290594 3230252	598257	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
trans-1,3-Dichloropropene	CBNZ d5	Ave	6384 373291	10863 616655	29948 829593	78806 1062754	176282	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Ethyl methacrylate	CBNZ d5	Ave	5913 378127	10135 604408	29573 821658	78498 1065502	176151	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,1,2-Trichloroethane	CBNZ d5	Ave	4962 263663	8313 423066	22805 549840	60522 705422	128273	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Tetrachloroethene	CBNZ d5	Ave	4007 271788	9340 419228	24730 558035	62600 723997	129442	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,3-Dichloropropane	CBNZ d5	Ave	8440 470735	15422 738454	41488 987279	108547 1241301	227524	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
2-Hexanone	CBNZ d5	Ave	10868 595003	18424 948825	47327 1257803	132119 1613251	281394	1.00 50.0	2.00 75.0	5.00 100	12.5 125	25.0
Dibromochloromethane	CBNZ d5	Ave	4450 249759	8830 408956	22132 548506	58639 694358	123717	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,2-Dibromoethane	CBNZ d5	Ave	4754 276529	8795 447027	23680 587173	63447 752757	130862	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Chlorobenzene	CBNZ d5	Ave	14163 744741	26920 1152890	71767 1540786	179784 1972916	363767	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Ethylbenzene	CBNZ d5	Ave	7454 420266	14708 646911	38024 866569	98280 1120715	203670	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	3885 233604	7218 379101	18489 509811	49247 658299	109533	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Canton Job No.: 240-171981-1 Analy Batch No.: 524416

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2022 15:53 Calibration End Date: 04/28/2022 19:03 Calibration ID: 65475

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
m-Xylene & p-Xylene	CBNZ d5	Ave	9344	18448	48726	122359	246468	0.500	1.00	2.50	6.25	12.5
			518936	768849	1043820	1347974		25.0	37.5	50.0	62.5	
o-Xylene	CBNZ d5	Ave	9387	17947	46038	118176	244757	0.500	1.00	2.50	6.25	12.5
			499538	749816	1008228	1302435		25.0	37.5	50.0	62.5	
Styrene	CBNZ d5	Ave	15432	28124	76335	196994	411219	0.500	1.00	2.50	6.25	12.5
			847965	1314431	1747633	2243613		25.0	37.5	50.0	62.5	
Bromoform	CBNZ d5	Ave	2994	4961	13309	35616	78392	0.500	1.00	2.50	6.25	12.5
			167229	270087	367222	477235		25.0	37.5	50.0	62.5	
Isopropylbenzene	CBNZ d5	Ave	21243	45905	125200	315340	647135	0.500	1.00	2.50	6.25	12.5
			1321567	2023943	2725077	3509282		25.0	37.5	50.0	62.5	
Bromobenzene	DCBd 4	Ave	5695	10082	27430	69672	142424	0.500	1.00	2.50	6.25	12.5
			294176	458215	602100	772441		25.0	37.5	50.0	62.5	
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	8283	15131	36990	97759	206664	0.500	1.00	2.50	6.25	12.5
			417332	660631	918859	1118252		25.0	37.5	50.0	62.5	
n-Propylbenzene	DCBd 4	Ave	6151	12341	34513	84755	170341	0.500	1.00	2.50	6.25	12.5
			357715	545010	724979	944066		25.0	37.5	50.0	62.5	
1,2,3-Trichloropropane	DCBd 4	Ave	2499	4156	12776	32066	67760	0.500	1.00	2.50	6.25	12.5
			139537	217157	289452	365101		25.0	37.5	50.0	62.5	
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	1524	3004	8379	22815	50762	0.500	1.00	2.50	6.25	12.5
			110398	181691	251175	321563		25.0	37.5	50.0	62.5	
2-Chlorotoluene	DCBd 4	Ave	5876	10208	28224	71420	145868	0.500	1.00	2.50	6.25	12.5
			298517	452486	607758	782543		25.0	37.5	50.0	62.5	
1,3,5-Trimethylbenzene	DCBd 4	Ave	19059	38051	101797	262981	537089	0.500	1.00	2.50	6.25	12.5
			1109015	1657552	2225847	2893023		25.0	37.5	50.0	62.5	

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Canton Job No.: 240-171981-1 Analy Batch No.: 524416

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2022 15:53 Calibration End Date: 04/28/2022 19:03 Calibration ID: 65475

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
4-Chlorotoluene	DCBd 4	Ave	5478	10527	30159	73484	145990	0.500	1.00	2.50	6.25	12.5
			305812	475362	618313	810351		25.0	37.5	50.0	62.5	
tert-Butylbenzene	DCBd 4	Ave	14635	34279	89639	222006	460091	0.500	1.00	2.50	6.25	12.5
			927450	1421344	1891414	2473232		25.0	37.5	50.0	62.5	
1,2,4-Trimethylbenzene	DCBd 4	Ave	20080	38775	105238	271066	562319	0.500	1.00	2.50	6.25	12.5
			1133664	1722866	2292582	2980435		25.0	37.5	50.0	62.5	
sec-Butylbenzene	DCBd 4	Ave	20952	52276	135953	344977	693587	0.500	1.00	2.50	6.25	12.5
			1418784	2198829	2914743	3759534		25.0	37.5	50.0	62.5	
1,3-Dichlorobenzene	DCBd 4	Ave	10445	20899	53531	140947	287535	0.500	1.00	2.50	6.25	12.5
			572447	886573	1182187	1539858		25.0	37.5	50.0	62.5	
p-Isopropyltoluene	DCBd 4	Ave	17432	40509	108217	284658	571463	0.500	1.00	2.50	6.25	12.5
			1190522	1816214	2449535	3176930		25.0	37.5	50.0	62.5	
1,4-Dichlorobenzene	DCBd 4	Ave	12205	20648	54537	141463	284563	0.500	1.00	2.50	6.25	12.5
			577314	886410	1177904	1530950		25.0	37.5	50.0	62.5	
n-Butylbenzene	DCBd 4	Ave	15939	36916	103431	269829	551343	0.500	1.00	2.50	6.25	12.5
			1137997	1759052	2365365	3074761		25.0	37.5	50.0	62.5	
1,2-Dichlorobenzene	DCBd 4	Ave	10966	20685	52100	132791	274756	0.500	1.00	2.50	6.25	12.5
			557212	844871	1123217	1454127		25.0	37.5	50.0	62.5	
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	1930	3502	8941	23394	52956	0.500	1.00	2.50	6.25	12.5
			108722	175994	240185	310005		25.0	37.5	50.0	62.5	
1,2,4-Trichlorobenzene	DCBd 4	Ave	5878	11640	31918	82494	169465	0.500	1.00	2.50	6.25	12.5
			347035	555578	741990	954523		25.0	37.5	50.0	62.5	
Hexachlorobutadiene	DCBd 4	Ave	+++++	4911	13127	32421	64554	+++++	1.00	2.50	6.25	12.5
			133510	208661	289324	363900		25.0	37.5	50.0	62.5	

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Canton Job No.: 240-171981-1 Analy Batch No.: 524416

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2022 15:53 Calibration End Date: 04/28/2022 19:03 Calibration ID: 65475

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Naphthalene	DCBd 4	Ave	22445	41005	111128	289218	600091	0.500	1.00	2.50	6.25	12.5
			1254161	2000320	2684412	3400764		25.0	37.5	50.0	62.5	
1,2,3-Trichlorobenzene	DCBd 4	Ave	6310	11342	30999	78676	160802	0.500	1.00	2.50	6.25	12.5
			329781	528966	706115	918304		25.0	37.5	50.0	62.5	
Dibromofluoromethane (Surr)	FB	Ave	6014	10458	26384	52809	130220	0.500	1.00	2.50	5.78	11.1
			358529	600627	780567	1017253		28.9	46.2	57.8	75.1	
1,2-Dichloroethane-d4 (Surr)	FB	Lin1	9585	15819	34243	63925	150149	0.500	1.00	2.50	5.78	11.1
			406171	682822	857296	1138947		28.9	46.2	57.8	75.1	
Toluene-d8 (Surr)	CBNZ d5	Ave	21538	39507	91630	193272	493544	0.500	1.00	2.50	5.78	11.1
			1387962	2295473	2989937	3924763		28.9	46.2	57.8	75.1	
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	9134	14877	35915	73130	180281	0.500	1.00	2.50	5.78	11.1
			512564	848479	1095308	1447101		28.9	46.2	57.8	75.1	

Curve Type Legend
Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Canton Job No.: 240-171981-1 Analy Batch No.: 524416

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/28/2022 15:53 Calibration End Date: 04/28/2022 19:03 Calibration ID: 65475

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-524416/3	225395.D
Level 2	IC 240-524416/4	225396.D
Level 3	IC 240-524416/5	225397.D
Level 4	IC 240-524416/6	225398.D
Level 5	IC 240-524416/7	225399.D
Level 6	ICIS 240-524416/8	225400.D
Level 7	IC 240-524416/9	225401.D
Level 8	IC 240-524416/10	225402.D
Level 9	IC 240-524416/11	225403.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4	LVL 5	LVL 6
Bromomethane	-7.4						50					
Chloroethane	+++++	19.1	+++++					50				
Acetone	7.4						50					
Isobutyl alcohol	+++++	17.9 +++++	+++++					50				
1,4-Dioxane	+++++	16.0						50				
1,2-Dichloroethane-d4 (Surr)	10.1						50					

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

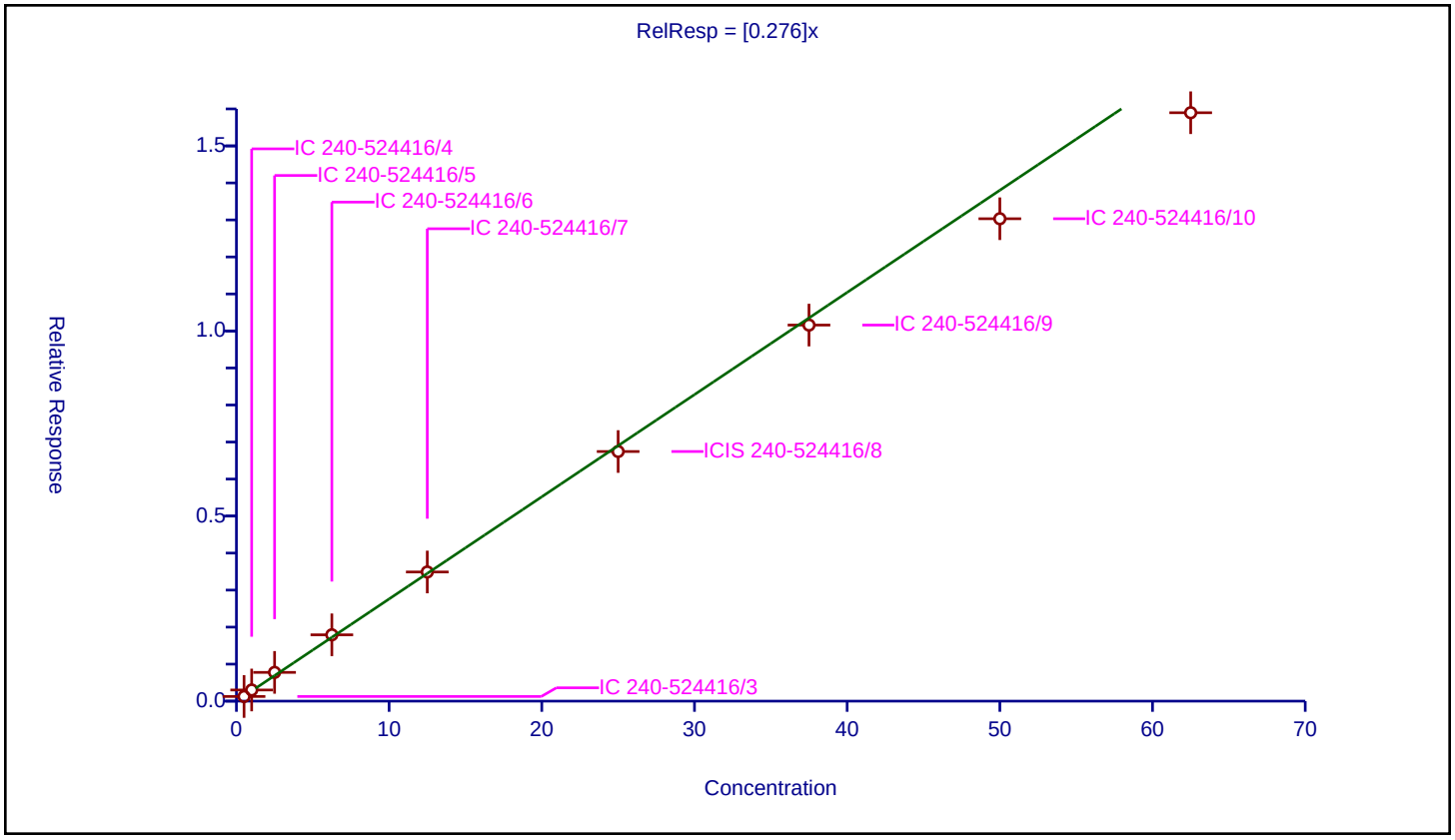
Curve Coefficients

Intercept:	0
Slope:	0.276

Error Coefficients

Standard Error:	415000
Relative Standard Error:	7.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.125361	28.9	1127312.0	0.250722	Y
2	IC 240-524416/4	1.0	0.301319	28.9	1156405.0	0.301319	Y
3	IC 240-524416/5	2.5	0.776858	28.9	1153458.0	0.310743	Y
4	IC 240-524416/6	6.25	1.791691	28.9	1212122.0	0.286671	Y
5	IC 240-524416/7	12.5	3.489703	28.9	1274350.0	0.279176	Y
6	ICIS 240-524416/8	25.0	6.743765	28.9	1311546.0	0.269751	Y
7	IC 240-524416/9	37.5	10.159565	28.9	1356842.0	0.270922	Y
8	IC 240-524416/10	50.0	13.032575	28.9	1412270.0	0.260651	Y
9	IC 240-524416/11	62.5	15.896476	28.9	1434025.0	0.254344	Y



Calibration / Chloromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

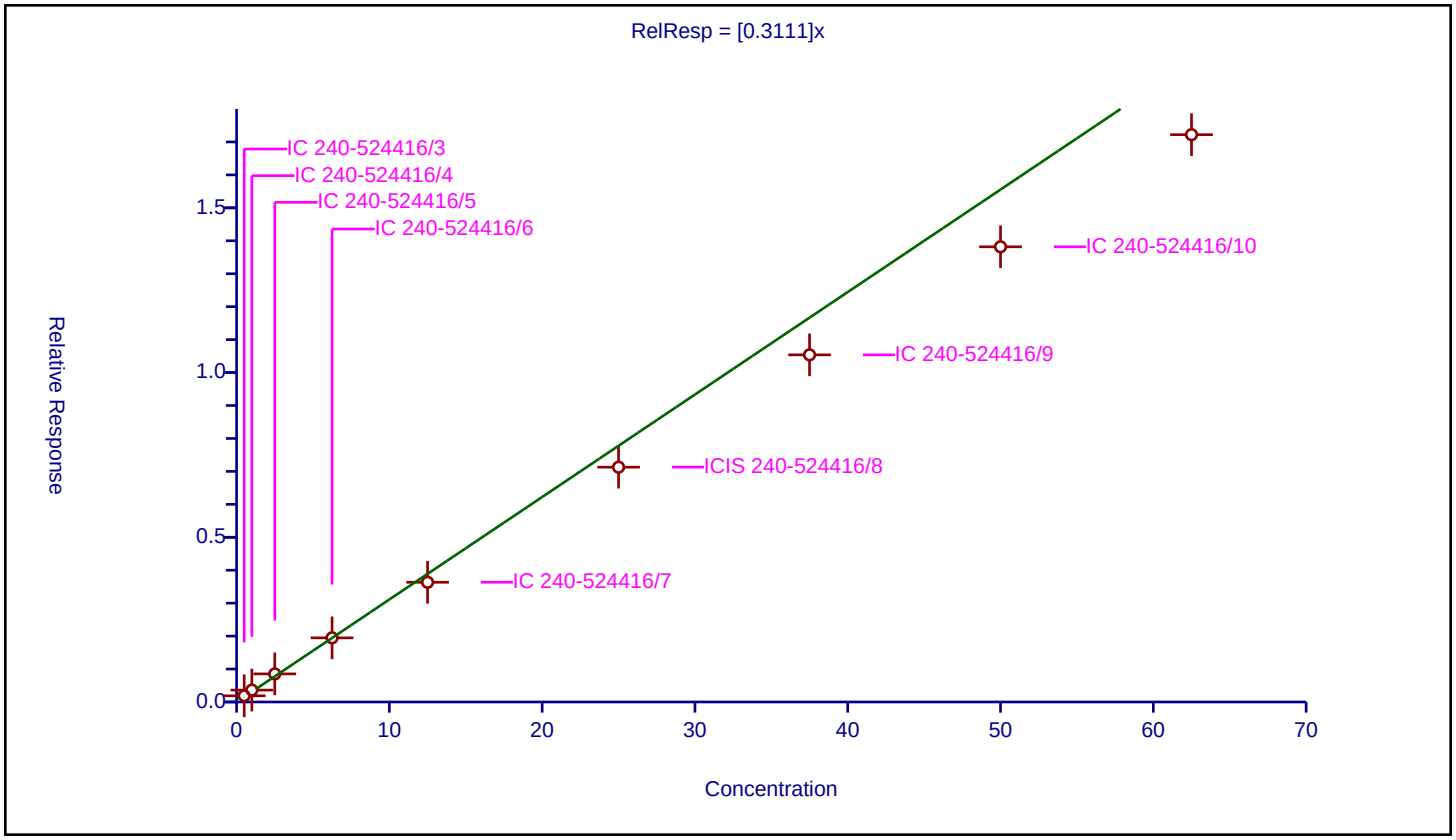
Curve Coefficients

Intercept:	0
Slope:	0.3111

Error Coefficients

Standard Error:	443000
Relative Standard Error:	12.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.188375	28.9	1127312.0	0.37675	Y
2	IC 240-524416/4	1.0	0.361648	28.9	1156405.0	0.361648	Y
3	IC 240-524416/5	2.5	0.852926	28.9	1153458.0	0.34117	Y
4	IC 240-524416/6	6.25	1.947502	28.9	1212122.0	0.3116	Y
5	IC 240-524416/7	12.5	3.633801	28.9	1274350.0	0.290704	Y
6	ICIS 240-524416/8	25.0	7.12788	28.9	1311546.0	0.285115	Y
7	IC 240-524416/9	37.5	10.53746	28.9	1356842.0	0.280999	Y
8	IC 240-524416/10	50.0	13.817514	28.9	1412270.0	0.27635	Y
9	IC 240-524416/11	62.5	17.221117	28.9	1434025.0	0.275538	Y



Calibration / Vinyl chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

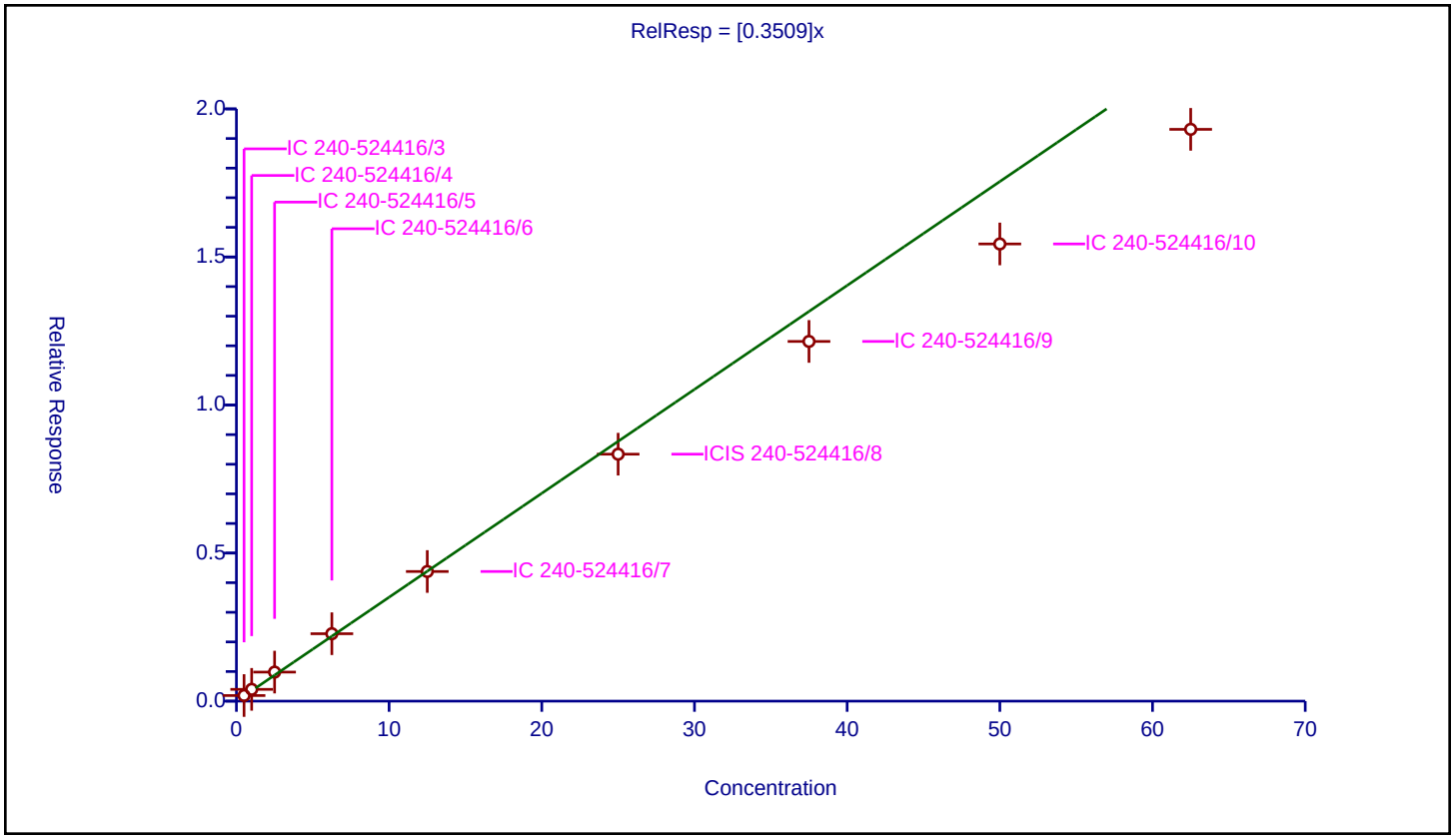
Curve Coefficients

Intercept:	0
Slope:	0.3509

Error Coefficients

Standard Error:	500000
Relative Standard Error:	9.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.189016	28.9	1127312.0	0.378031	Y
2	IC 240-524416/4	1.0	0.398136	28.9	1156405.0	0.398136	Y
3	IC 240-524416/5	2.5	0.980732	28.9	1153458.0	0.392293	Y
4	IC 240-524416/6	6.25	2.27722	28.9	1212122.0	0.364355	Y
5	IC 240-524416/7	12.5	4.378372	28.9	1274350.0	0.35027	Y
6	ICIS 240-524416/8	25.0	8.339545	28.9	1311546.0	0.333582	Y
7	IC 240-524416/9	37.5	12.146762	28.9	1356842.0	0.323914	Y
8	IC 240-524416/10	50.0	15.43896	28.9	1412270.0	0.308779	Y
9	IC 240-524416/11	62.5	19.309257	28.9	1434025.0	0.308948	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

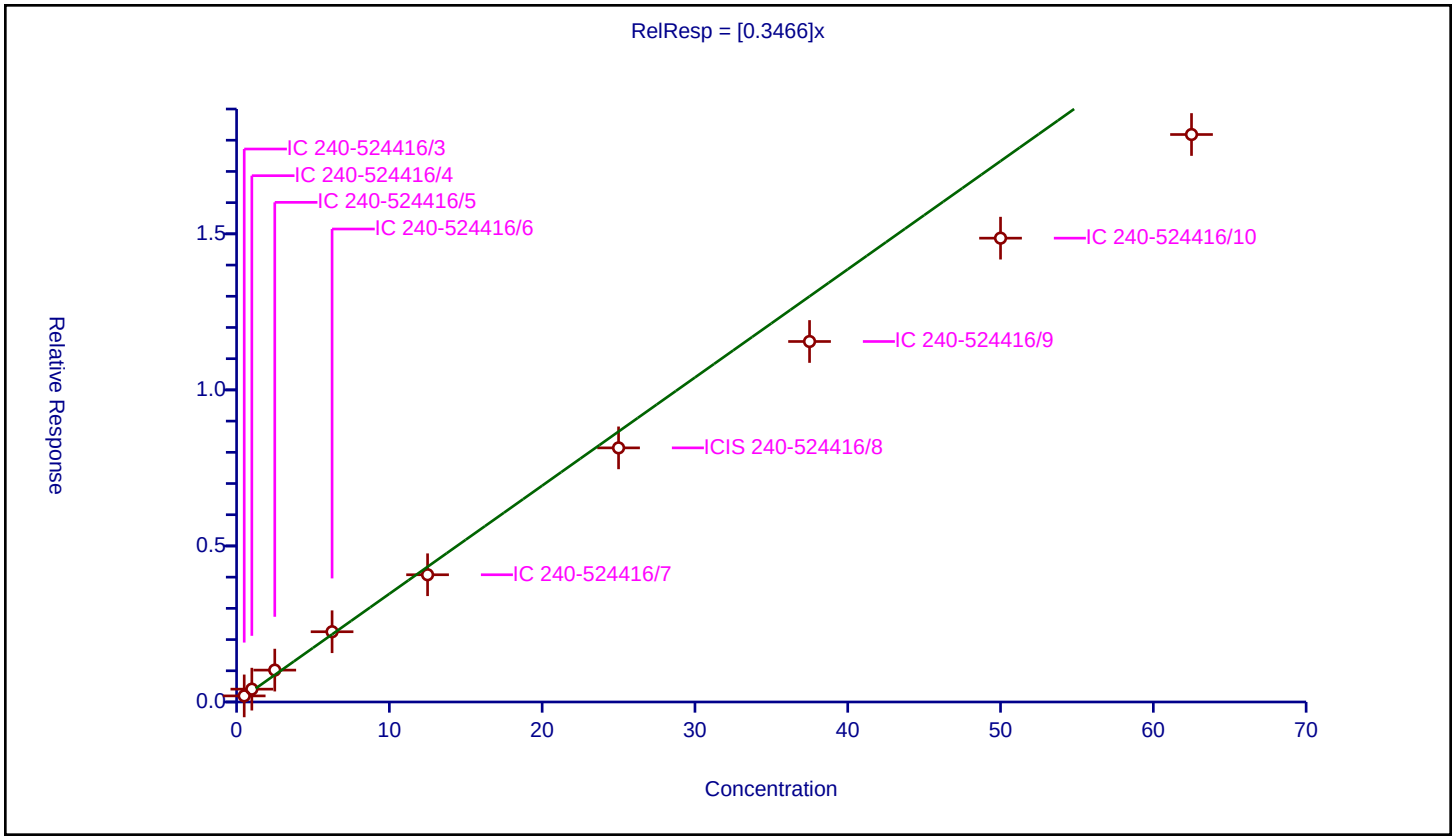
Curve Coefficients

Intercept:	0
Slope:	0.3466

Error Coefficients

Standard Error:	476000
Relative Standard Error:	13.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.973

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.195656	28.9	1127312.0	0.391311	Y
2	IC 240-524416/4	1.0	0.411206	28.9	1156405.0	0.411206	Y
3	IC 240-524416/5	2.5	1.021847	28.9	1153458.0	0.408739	Y
4	IC 240-524416/6	6.25	2.250778	28.9	1212122.0	0.360125	Y
5	IC 240-524416/7	12.5	4.077273	28.9	1274350.0	0.326182	Y
6	ICIS 240-524416/8	25.0	8.142132	28.9	1311546.0	0.325685	Y
7	IC 240-524416/9	37.5	11.550995	28.9	1356842.0	0.308027	Y
8	IC 240-524416/10	50.0	14.862278	28.9	1412270.0	0.297246	Y
9	IC 240-524416/11	62.5	18.183144	28.9	1434025.0	0.29093	Y



Calibration / Bromomethane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

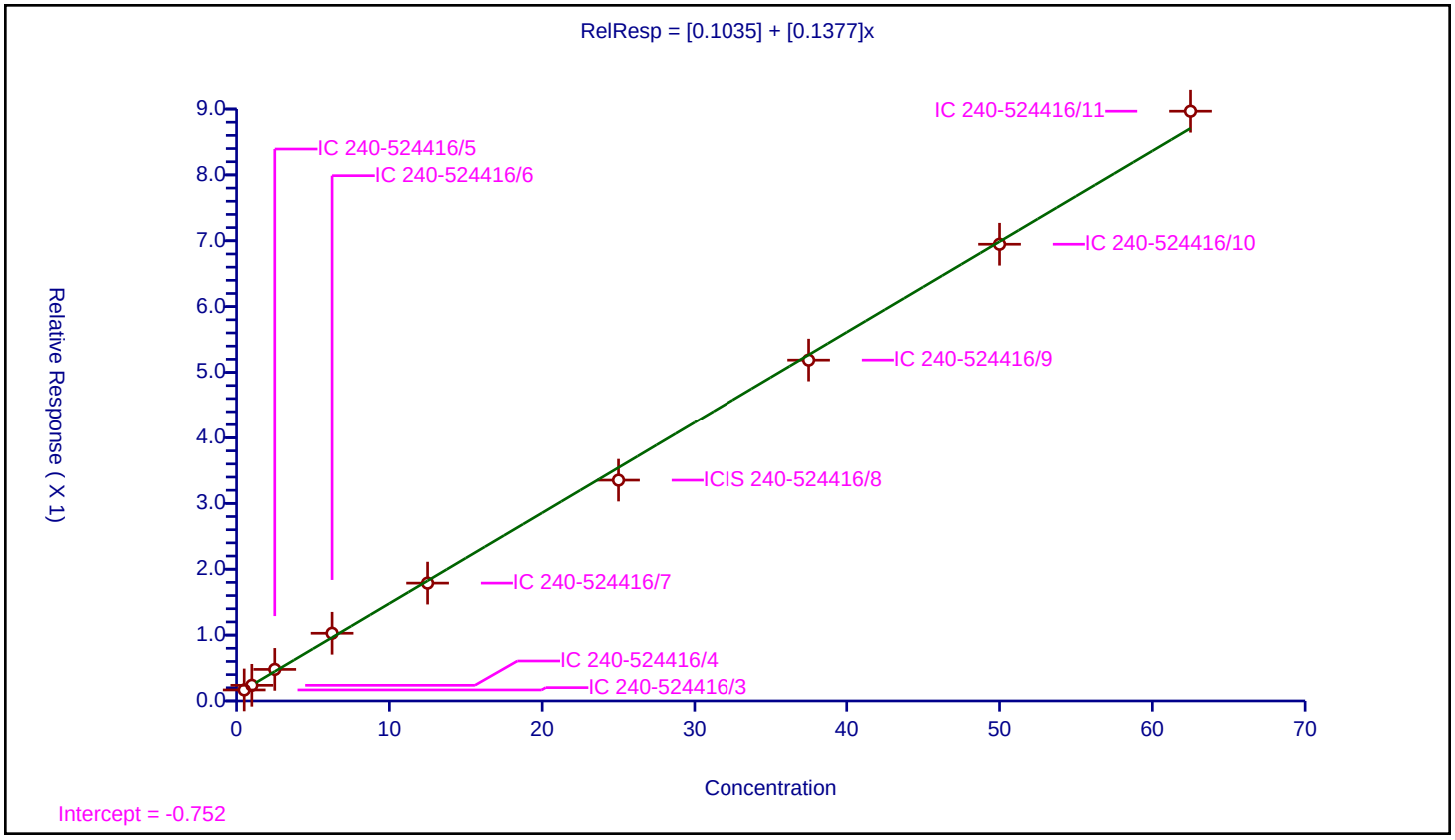
Curve Coefficients

Intercept:	0.1035
Slope:	0.1377

Error Coefficients

Standard Error:	240000
Relative Standard Error:	5.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.167276	28.9	1127312.0	0.334552	Y
2	IC 240-524416/4	1.0	0.237667	28.9	1156405.0	0.237667	Y
3	IC 240-524416/5	2.5	0.479404	28.9	1153458.0	0.191762	Y
4	IC 240-524416/6	6.25	1.027802	28.9	1212122.0	0.164448	Y
5	IC 240-524416/7	12.5	1.788949	28.9	1274350.0	0.143116	Y
6	ICIS 240-524416/8	25.0	3.353847	28.9	1311546.0	0.134154	Y
7	IC 240-524416/9	37.5	5.187803	28.9	1356842.0	0.138341	Y
8	IC 240-524416/10	50.0	6.947607	28.9	1412270.0	0.138952	Y
9	IC 240-524416/11	62.5	8.966704	28.9	1434025.0	0.143467	Y



Calibration / Chloroethane

Curve Type:	Quadratic
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

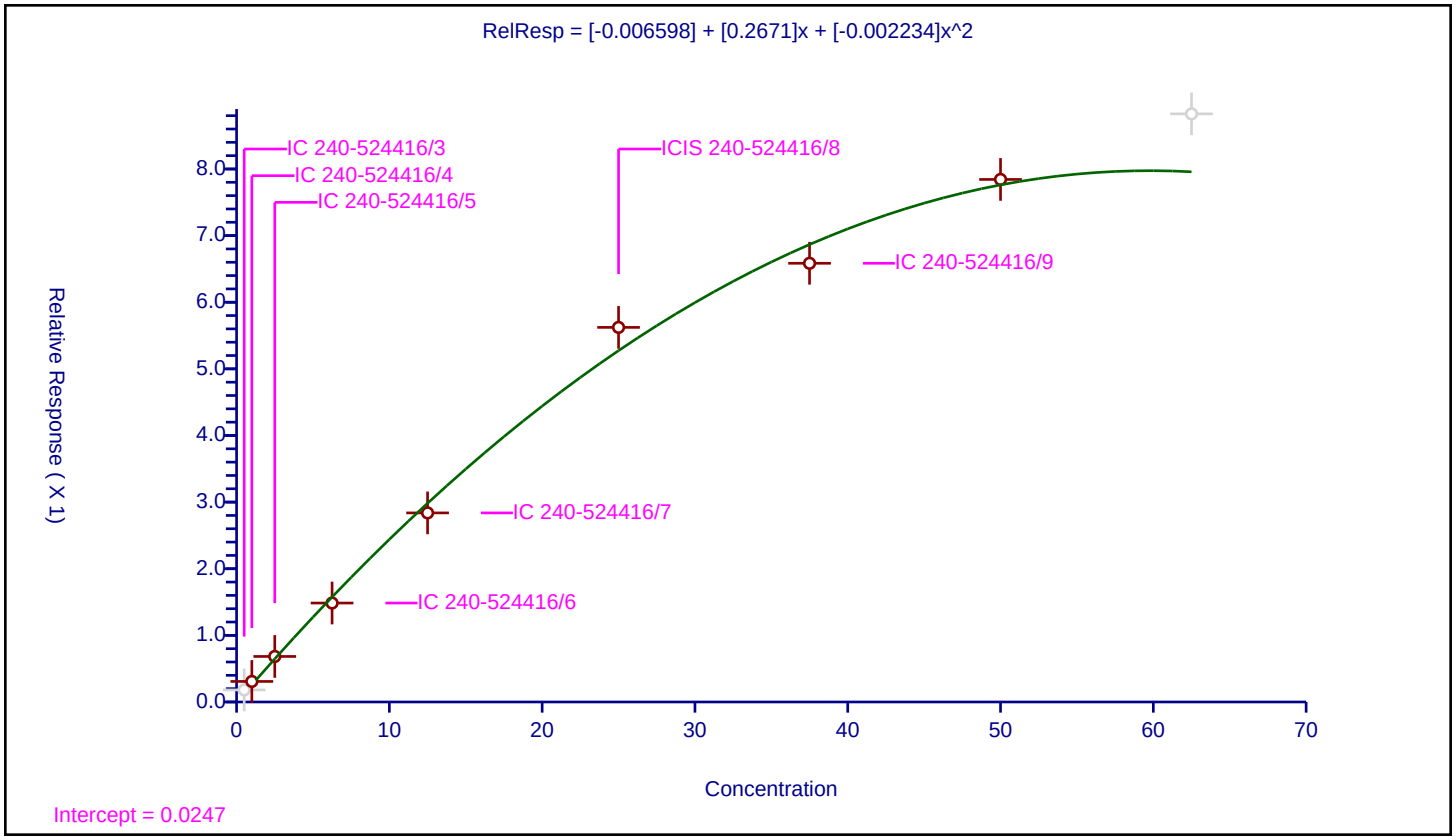
Curve Coefficients

Intercept:	-0.006598
Slope:	0.2671
Second Order:	-0.002234

Error Coefficients

Standard Error:	286000
Relative Standard Error:	12.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.181171	28.9	1127312.0	0.362342	N
2	IC 240-524416/4	1.0	0.308342	28.9	1156405.0	0.308342	Y
3	IC 240-524416/5	2.5	0.683553	28.9	1153458.0	0.273421	Y
4	IC 240-524416/6	6.25	1.485005	28.9	1212122.0	0.237601	Y
5	IC 240-524416/7	12.5	2.837953	28.9	1274350.0	0.227036	Y
6	ICIS 240-524416/8	25.0	5.622247	28.9	1311546.0	0.22489	Y
7	IC 240-524416/9	37.5	6.584706	28.9	1356842.0	0.175592	Y
8	IC 240-524416/10	50.0	7.842865	28.9	1412270.0	0.156857	Y
9	IC 240-524416/11	62.5	8.827063	28.9	1434025.0	0.141233	N



Calibration / Trichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

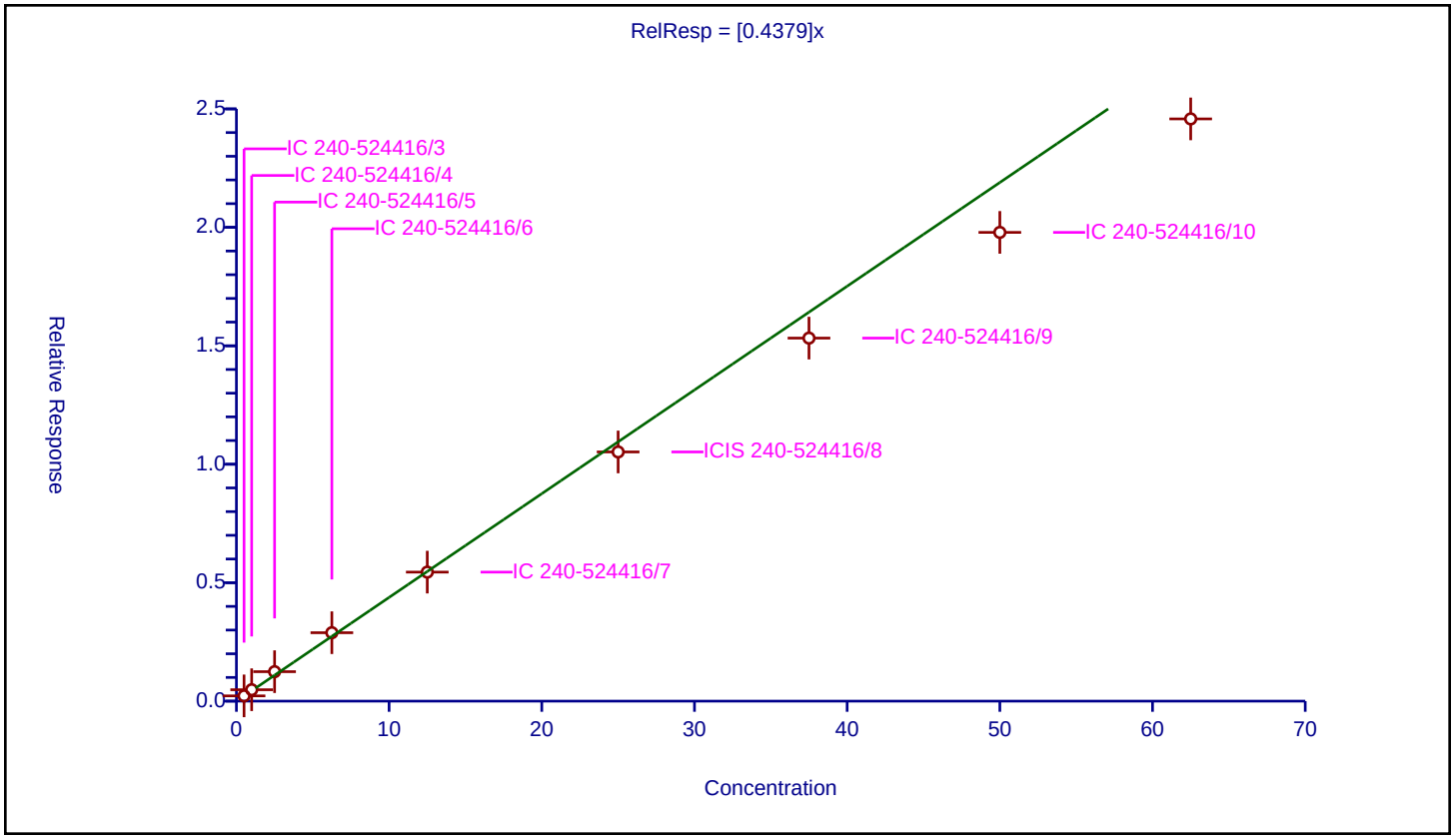
Curve Coefficients

Intercept:	0
Slope:	0.4379

Error Coefficients

Standard Error:	637000
Relative Standard Error:	8.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.222574	28.9	1127312.0	0.445147	Y
2	IC 240-524416/4	1.0	0.481731	28.9	1156405.0	0.481731	Y
3	IC 240-524416/5	2.5	1.244136	28.9	1153458.0	0.497654	Y
4	IC 240-524416/6	6.25	2.888326	28.9	1212122.0	0.462132	Y
5	IC 240-524416/7	12.5	5.446358	28.9	1274350.0	0.435709	Y
6	ICIS 240-524416/8	25.0	10.519055	28.9	1311546.0	0.420762	Y
7	IC 240-524416/9	37.5	15.324066	28.9	1356842.0	0.408642	Y
8	IC 240-524416/10	50.0	19.786494	28.9	1412270.0	0.39573	Y
9	IC 240-524416/11	62.5	24.57749	28.9	1434025.0	0.39324	Y



Calibration / Dichlorofluoromethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

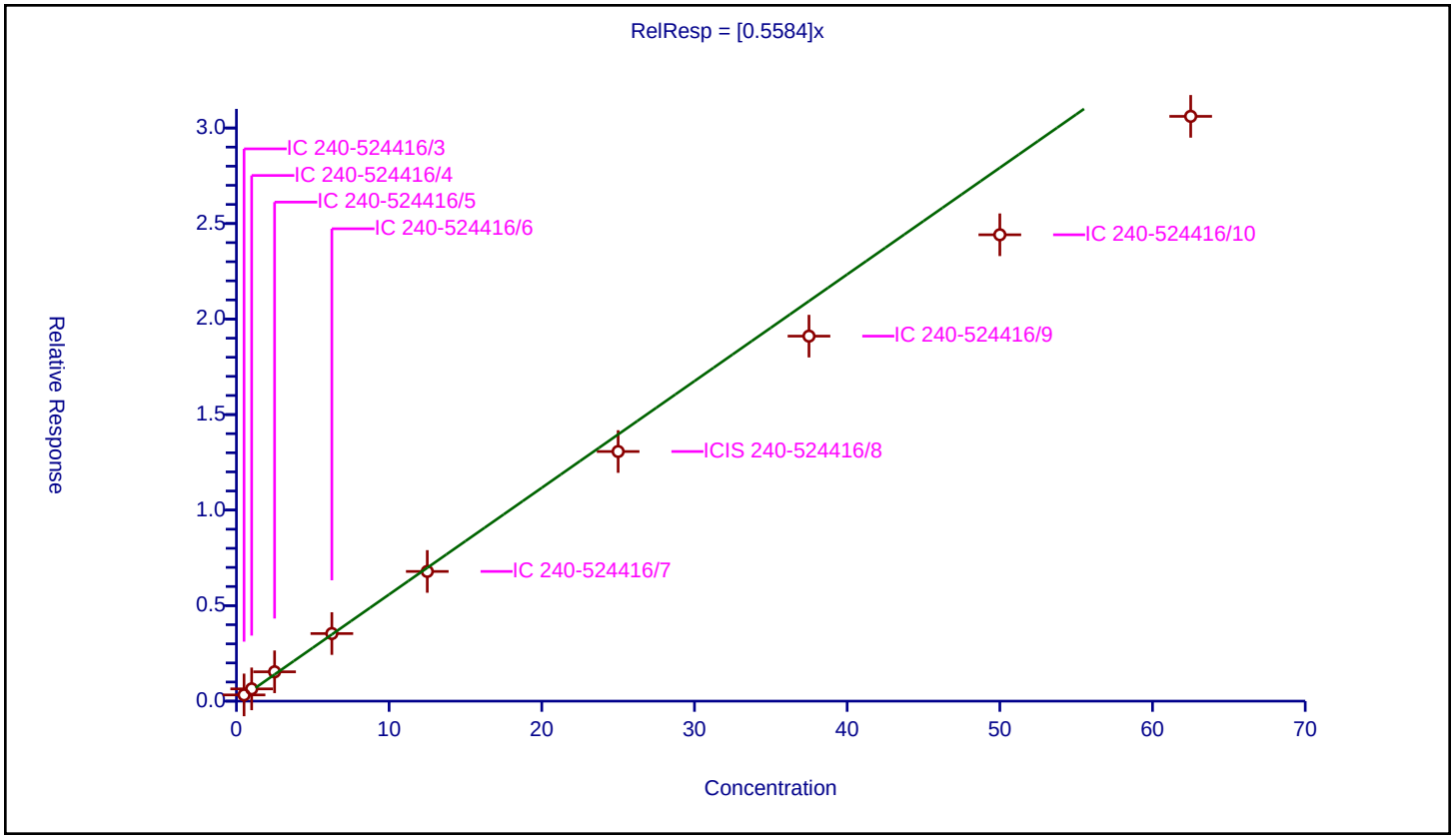
Curve Coefficients

Intercept:	0
Slope:	0.5584

Error Coefficients

Standard Error:	791000
Relative Standard Error:	11.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.325195	28.9	1127312.0	0.65039	Y
2	IC 240-524416/4	1.0	0.64135	28.9	1156405.0	0.64135	Y
3	IC 240-524416/5	2.5	1.536278	28.9	1153458.0	0.614511	Y
4	IC 240-524416/6	6.25	3.538129	28.9	1212122.0	0.566101	Y
5	IC 240-524416/7	12.5	6.788433	28.9	1274350.0	0.543075	Y
6	ICIS 240-524416/8	25.0	13.066	28.9	1311546.0	0.52264	Y
7	IC 240-524416/9	37.5	19.105231	28.9	1356842.0	0.509473	Y
8	IC 240-524416/10	50.0	24.411432	28.9	1412270.0	0.488229	Y
9	IC 240-524416/11	62.5	30.610149	28.9	1434025.0	0.489762	Y



Calibration / Ethyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

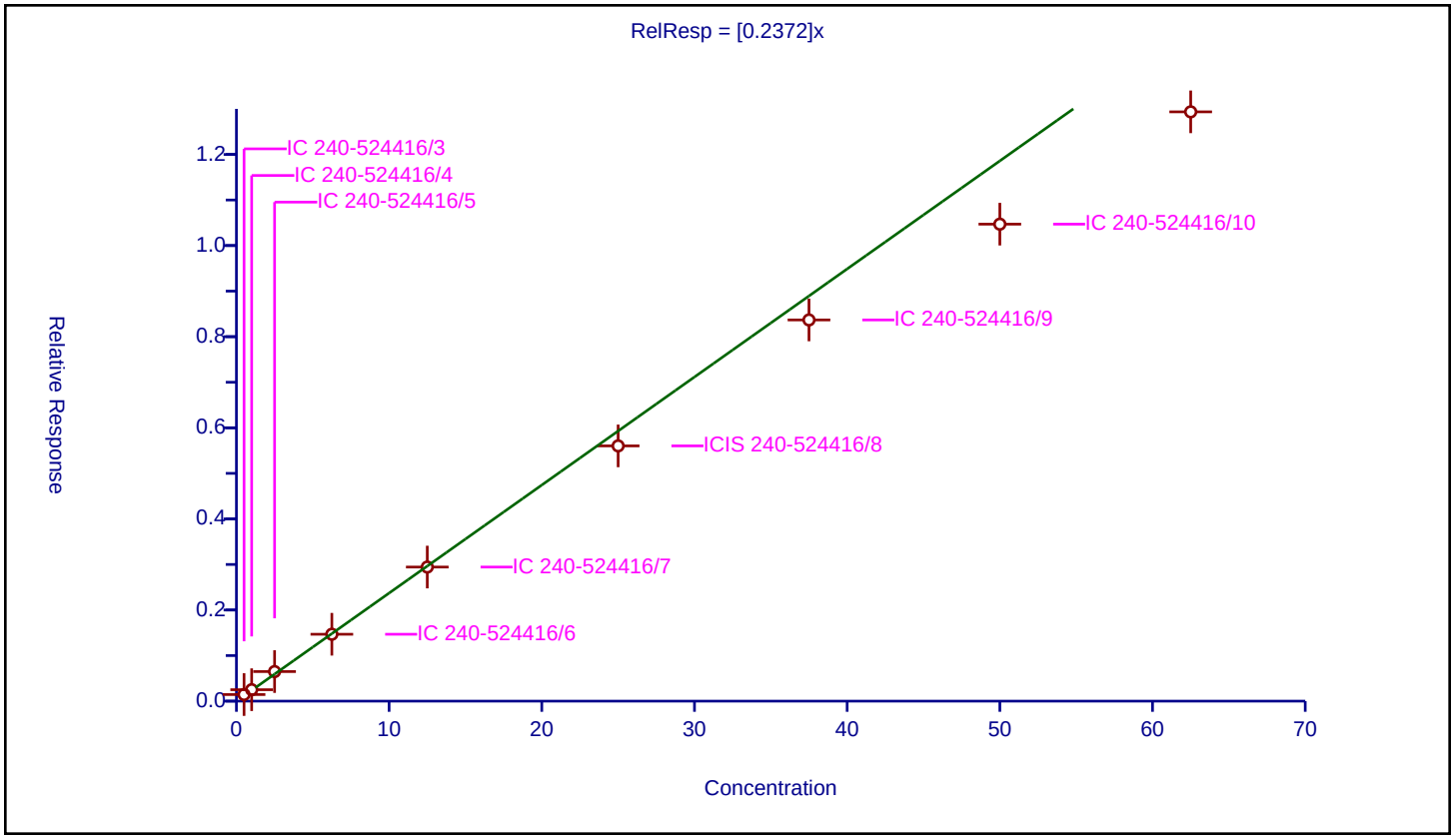
Curve Coefficients

Intercept:	0
Slope:	0.2372

Error Coefficients

Standard Error:	338000
Relative Standard Error:	11.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.144921	28.9	1127312.0	0.289843	Y
2	IC 240-524416/4	1.0	0.250937	28.9	1156405.0	0.250937	Y
3	IC 240-524416/5	2.5	0.649403	28.9	1153458.0	0.259761	Y
4	IC 240-524416/6	6.25	1.468339	28.9	1212122.0	0.234934	Y
5	IC 240-524416/7	12.5	2.943135	28.9	1274350.0	0.235451	Y
6	ICIS 240-524416/8	25.0	5.602856	28.9	1311546.0	0.224114	Y
7	IC 240-524416/9	37.5	8.367301	28.9	1356842.0	0.223128	Y
8	IC 240-524416/10	50.0	10.469807	28.9	1412270.0	0.209396	Y
9	IC 240-524416/11	62.5	12.935265	28.9	1434025.0	0.206964	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

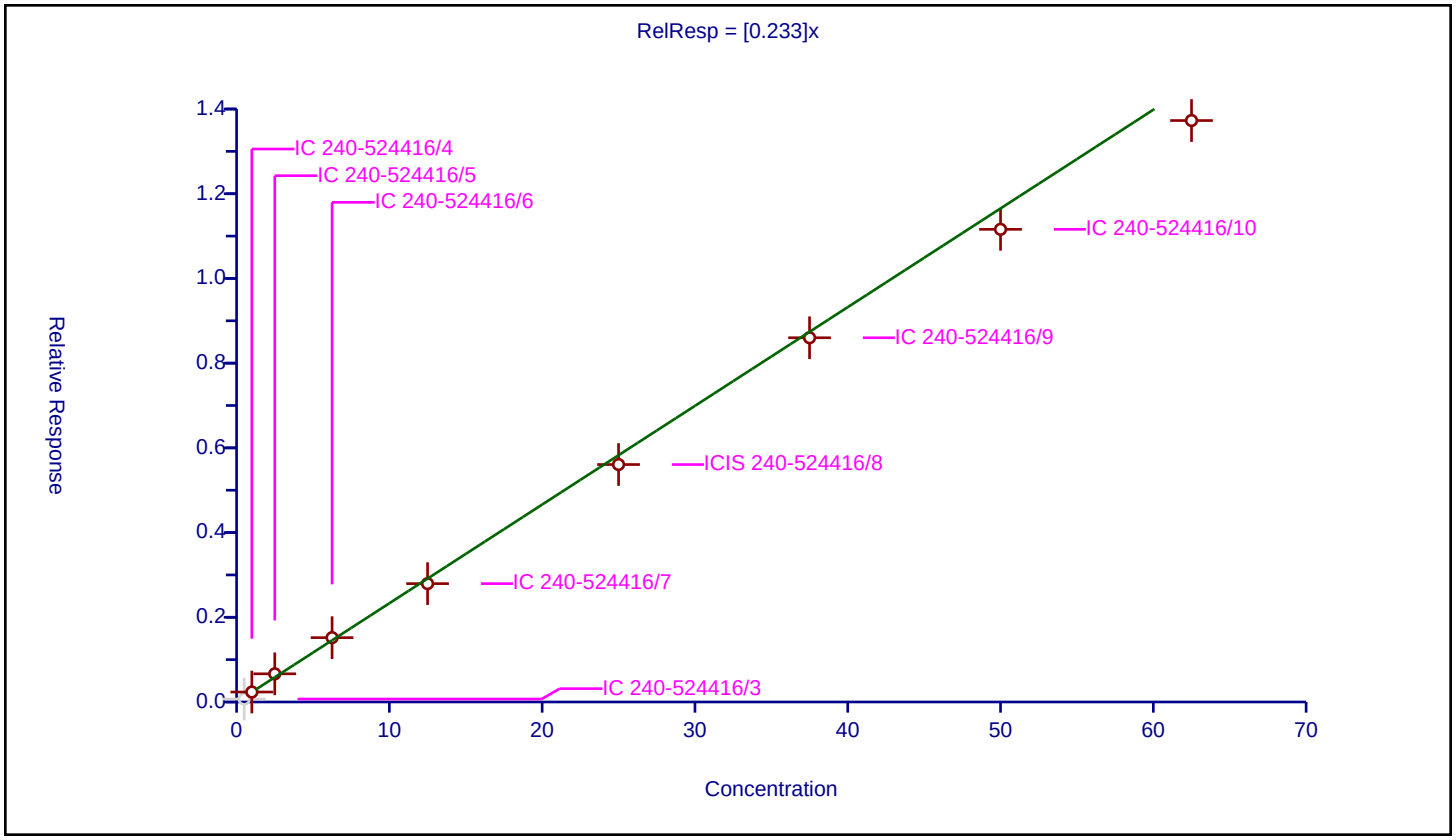
Curve Coefficients

Intercept:	0
Slope:	0.233

Error Coefficients

Standard Error:	380000
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	IC 240-524416/3	0.5	0.0695	28.9	1127312.0	0.138999	N
2	IC 240-524416/4	1.0	0.235343	28.9	1156405.0	0.235343	Y
3	IC 240-524416/5	2.5	0.665138	28.9	1153458.0	0.266055	Y
4	IC 240-524416/6	6.25	1.518838	28.9	1212122.0	0.243014	Y
5	IC 240-524416/7	12.5	2.794661	28.9	1274350.0	0.223573	Y
6	ICIS 240-524416/8	25.0	5.606403	28.9	1311546.0	0.224256	Y
7	IC 240-524416/9	37.5	8.599081	28.9	1356842.0	0.229309	Y
8	IC 240-524416/10	50.0	11.158997	28.9	1412270.0	0.22318	Y
9	IC 240-524416/11	62.5	13.728168	28.9	1434025.0	0.219651	Y



Calibration / 1,1-Dichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

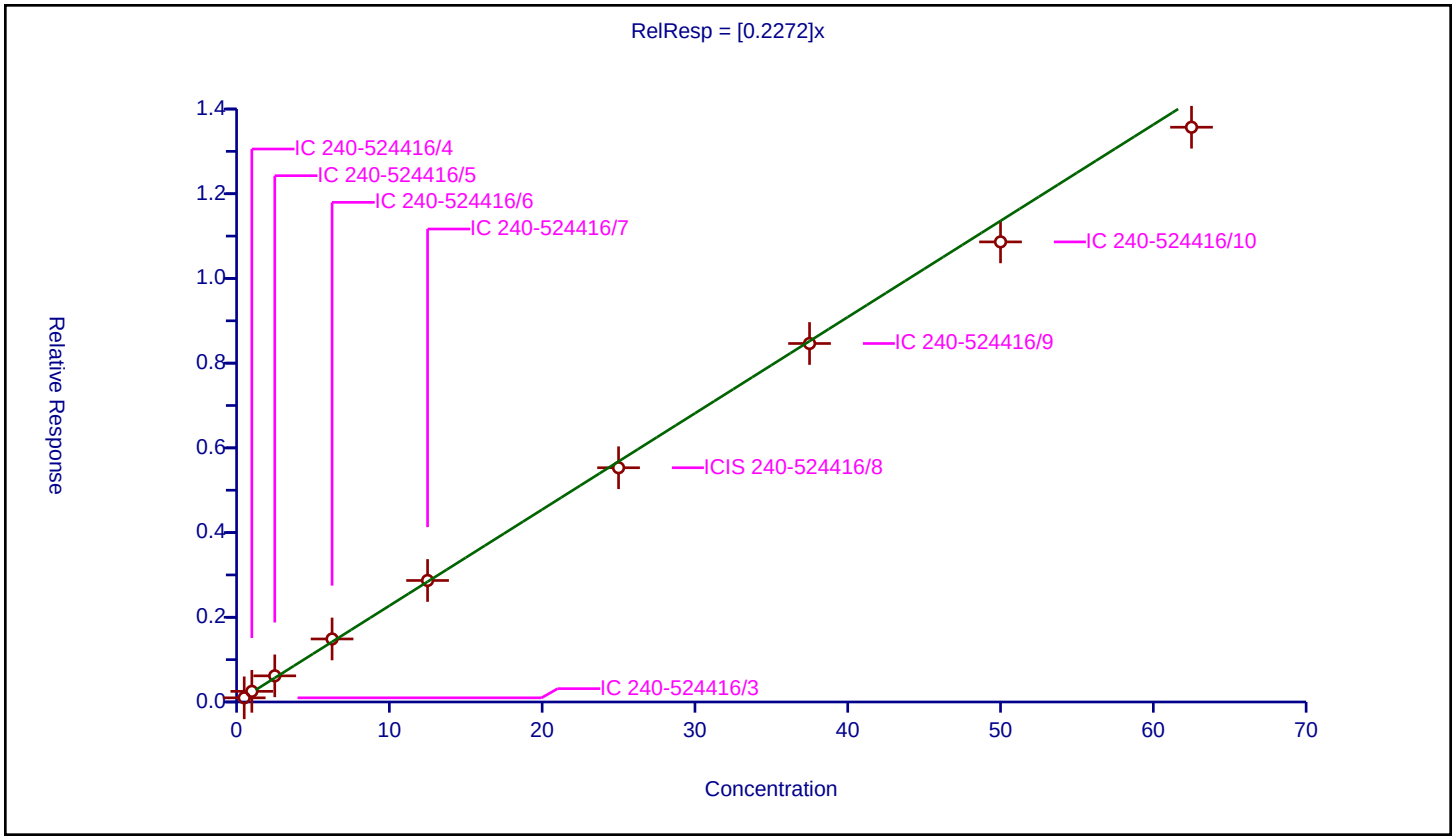
Curve Coefficients

Intercept:	0
Slope:	0.2272

Error Coefficients

Standard Error:	349000
Relative Standard Error:	7.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.09852	28.9	1127312.0	0.19704	Y
2	IC 240-524416/4	1.0	0.251737	28.9	1156405.0	0.251737	Y
3	IC 240-524416/5	2.5	0.617408	28.9	1153458.0	0.246963	Y
4	IC 240-524416/6	6.25	1.488057	28.9	1212122.0	0.238089	Y
5	IC 240-524416/7	12.5	2.868728	28.9	1274350.0	0.229498	Y
6	ICIS 240-524416/8	25.0	5.530537	28.9	1311546.0	0.221221	Y
7	IC 240-524416/9	37.5	8.464149	28.9	1356842.0	0.225711	Y
8	IC 240-524416/10	50.0	10.86287	28.9	1412270.0	0.217257	Y
9	IC 240-524416/11	62.5	13.569684	28.9	1434025.0	0.217115	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

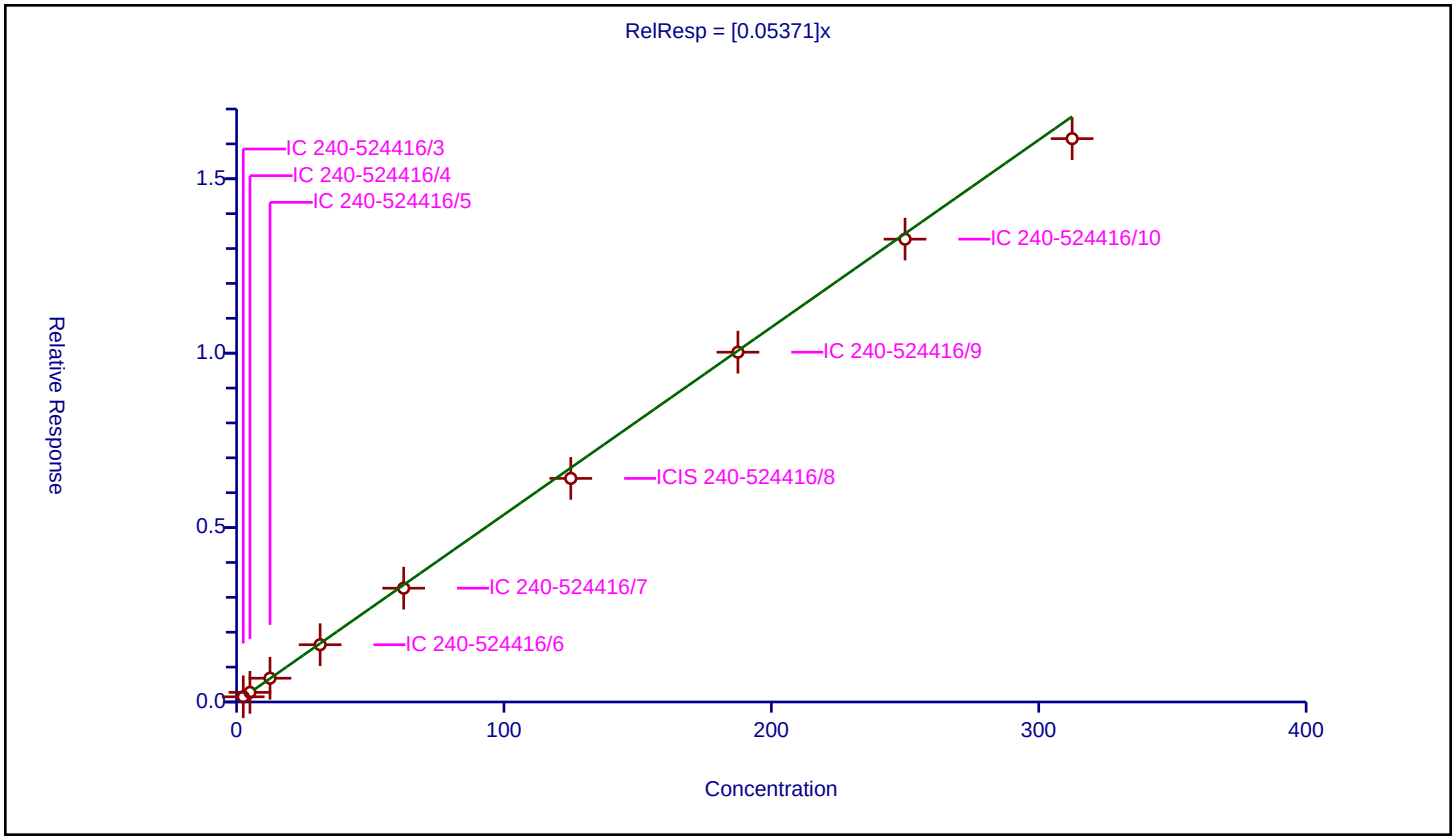
Curve Coefficients

Intercept:	0
Slope:	0.05371

Error Coefficients

Standard Error:	418000
Relative Standard Error:	4.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	2.5	0.148562	28.9	1127312.0	0.059425	Y
2	IC 240-524416/4	5.0	0.275953	28.9	1156405.0	0.055191	Y
3	IC 240-524416/5	12.5	0.681774	28.9	1153458.0	0.054542	Y
4	IC 240-524416/6	31.25	1.64165	28.9	1212122.0	0.052533	Y
5	IC 240-524416/7	62.5	3.26224	28.9	1274350.0	0.052196	Y
6	ICIS 240-524416/8	125.0	6.40989	28.9	1311546.0	0.051279	Y
7	IC 240-524416/9	187.5	10.028573	28.9	1356842.0	0.053486	Y
8	IC 240-524416/10	250.0	13.26901	28.9	1412270.0	0.053076	Y
9	IC 240-524416/11	312.5	16.150828	28.9	1434025.0	0.051683	Y



Calibration / Acetone

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

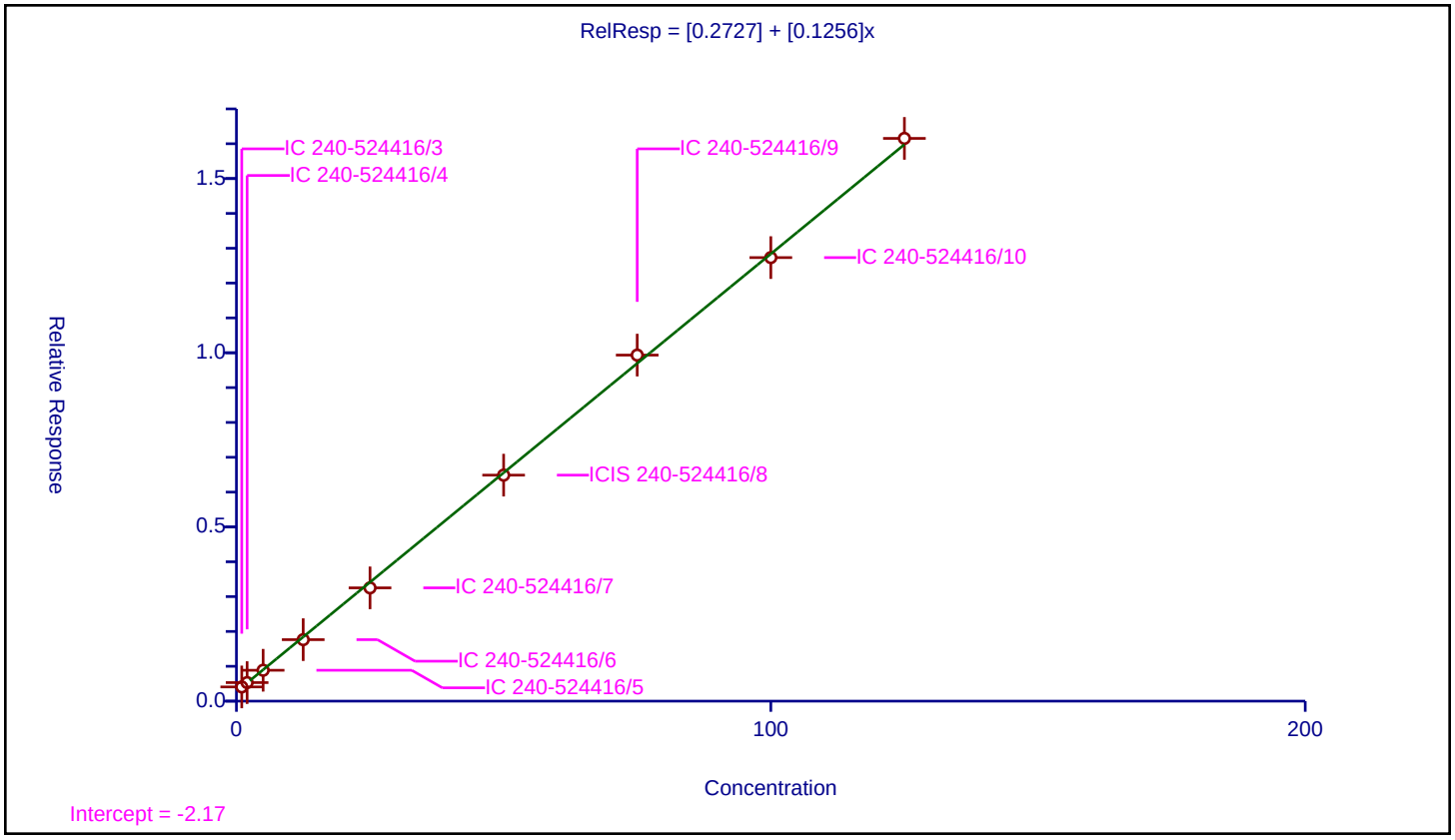
Curve Coefficients

Intercept:	0.2727
Slope:	0.1256

Error Coefficients

Standard Error:	441000
Relative Standard Error:	4.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	1.0	0.407641	28.9	1127312.0	0.407641	Y
2	IC 240-524416/4	2.0	0.532588	28.9	1156405.0	0.266294	Y
3	IC 240-524416/5	5.0	0.886199	28.9	1153458.0	0.17724	Y
4	IC 240-524416/6	12.5	1.764558	28.9	1212122.0	0.141165	Y
5	IC 240-524416/7	25.0	3.251468	28.9	1274350.0	0.130059	Y
6	ICIS 240-524416/8	50.0	6.487145	28.9	1311546.0	0.129743	Y
7	IC 240-524416/9	75.0	9.932853	28.9	1356842.0	0.132438	Y
8	IC 240-524416/10	100.0	12.731475	28.9	1412270.0	0.127315	Y
9	IC 240-524416/11	125.0	16.152964	28.9	1434025.0	0.129224	Y



Calibration / Iodomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

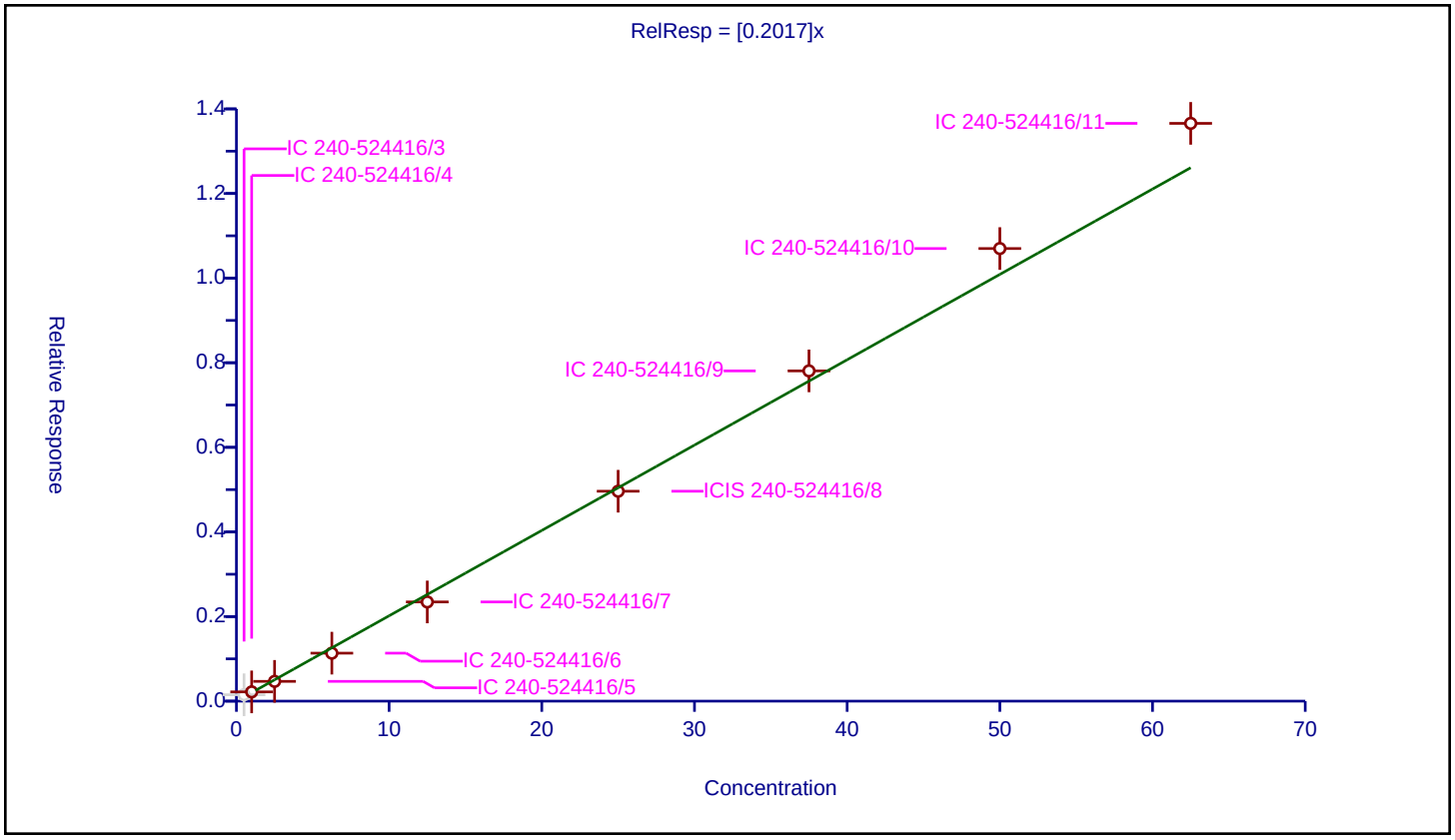
Curve Coefficients

Intercept:	0
Slope:	0.2017

Error Coefficients

Standard Error:	365000
Relative Standard Error:	7.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.150638	28.9	1127312.0	0.301277	N
2	IC 240-524416/4	1.0	0.218673	28.9	1156405.0	0.218673	Y
3	IC 240-524416/5	2.5	0.467729	28.9	1153458.0	0.187091	Y
4	IC 240-524416/6	6.25	1.133996	28.9	1212122.0	0.181439	Y
5	IC 240-524416/7	12.5	2.344747	28.9	1274350.0	0.18758	Y
6	ICIS 240-524416/8	25.0	4.961988	28.9	1311546.0	0.19848	Y
7	IC 240-524416/9	37.5	7.806784	28.9	1356842.0	0.208181	Y
8	IC 240-524416/10	50.0	10.699284	28.9	1412270.0	0.213986	Y
9	IC 240-524416/11	62.5	13.657471	28.9	1434025.0	0.21852	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

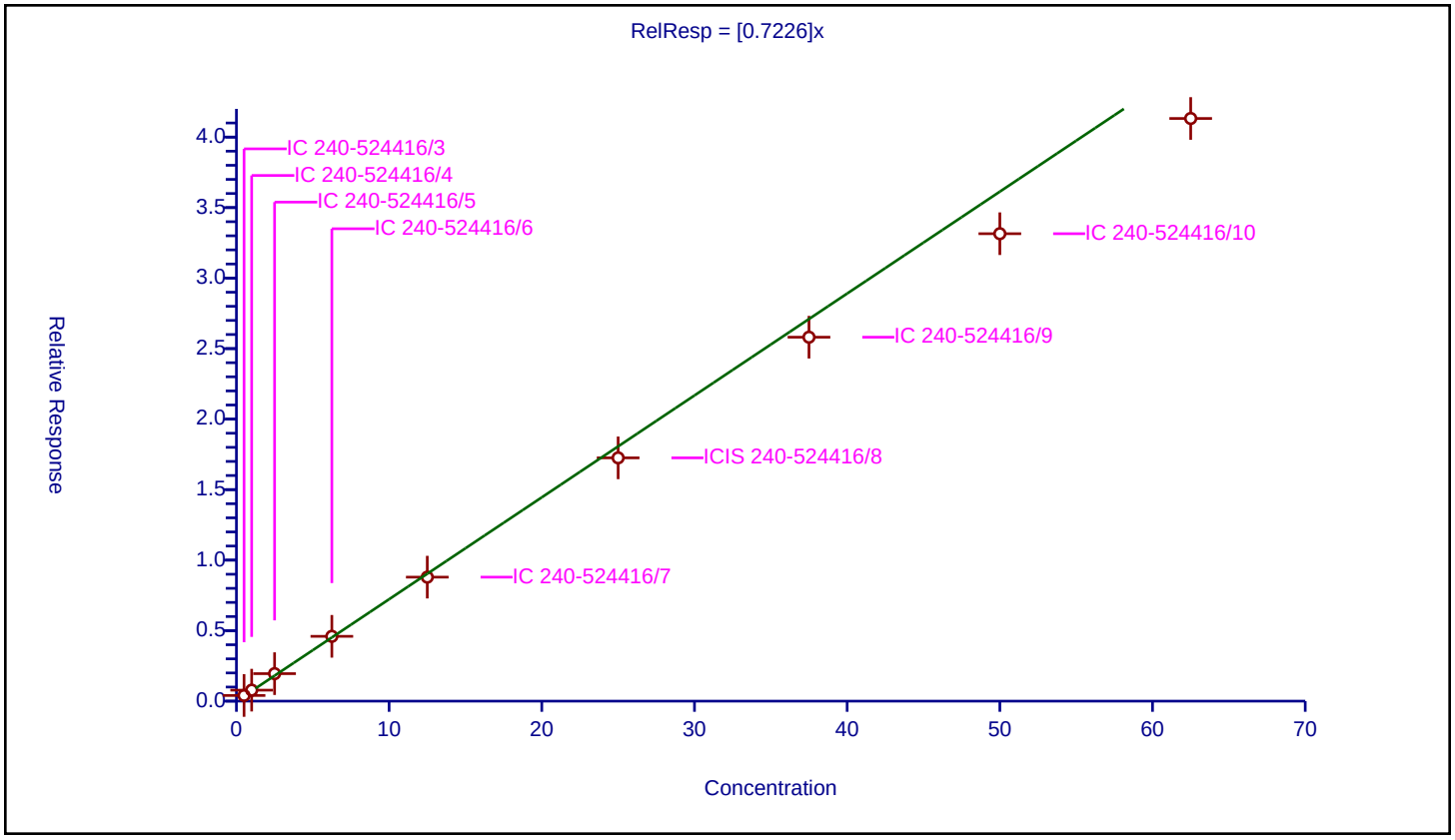
Curve Coefficients

Intercept:	0
Slope:	0.7226

Error Coefficients

Standard Error:	1070000
Relative Standard Error:	7.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.401181	28.9	1127312.0	0.802362	Y
2	IC 240-524416/4	1.0	0.779602	28.9	1156405.0	0.779602	Y
3	IC 240-524416/5	2.5	1.950639	28.9	1153458.0	0.780256	Y
4	IC 240-524416/6	6.25	4.597022	28.9	1212122.0	0.735523	Y
5	IC 240-524416/7	12.5	8.792326	28.9	1274350.0	0.703386	Y
6	ICIS 240-524416/8	25.0	17.253477	28.9	1311546.0	0.690139	Y
7	IC 240-524416/9	37.5	25.808788	28.9	1356842.0	0.688234	Y
8	IC 240-524416/10	50.0	33.149186	28.9	1412270.0	0.662984	Y
9	IC 240-524416/11	62.5	41.320193	28.9	1434025.0	0.661123	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

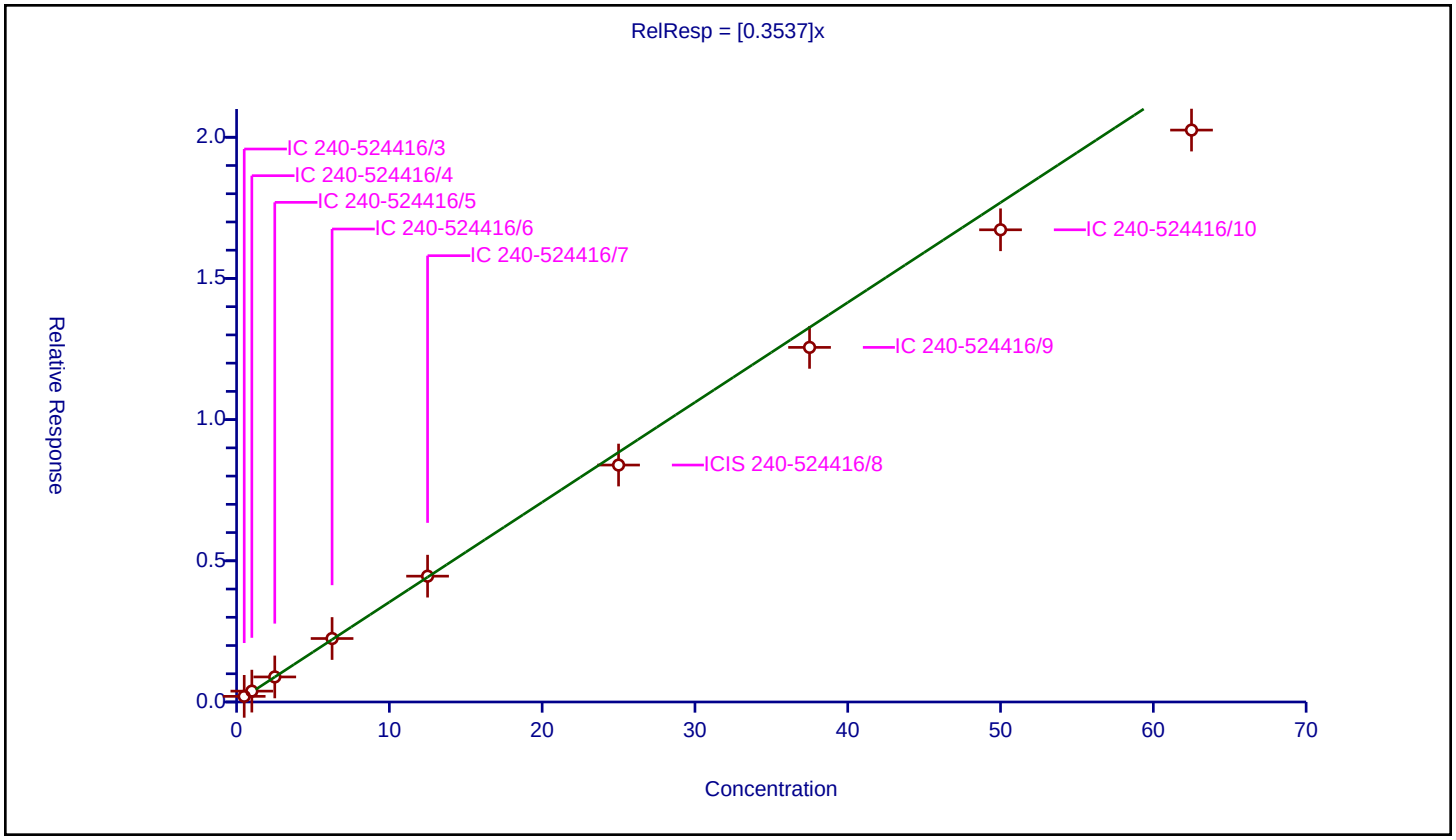
Curve Coefficients

Intercept:	0
Slope:	0.3537

Error Coefficients

Standard Error:	527000
Relative Standard Error:	7.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.199475	28.9	1127312.0	0.398951	Y
2	IC 240-524416/4	1.0	0.38454	28.9	1156405.0	0.38454	Y
3	IC 240-524416/5	2.5	0.886875	28.9	1153458.0	0.35475	Y
4	IC 240-524416/6	6.25	2.247798	28.9	1212122.0	0.359648	Y
5	IC 240-524416/7	12.5	4.456022	28.9	1274350.0	0.356482	Y
6	ICIS 240-524416/8	25.0	8.39104	28.9	1311546.0	0.335642	Y
7	IC 240-524416/9	37.5	12.558225	28.9	1356842.0	0.334886	Y
8	IC 240-524416/10	50.0	16.722902	28.9	1412270.0	0.334458	Y
9	IC 240-524416/11	62.5	20.254093	28.9	1434025.0	0.324065	Y



Calibration / Methyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

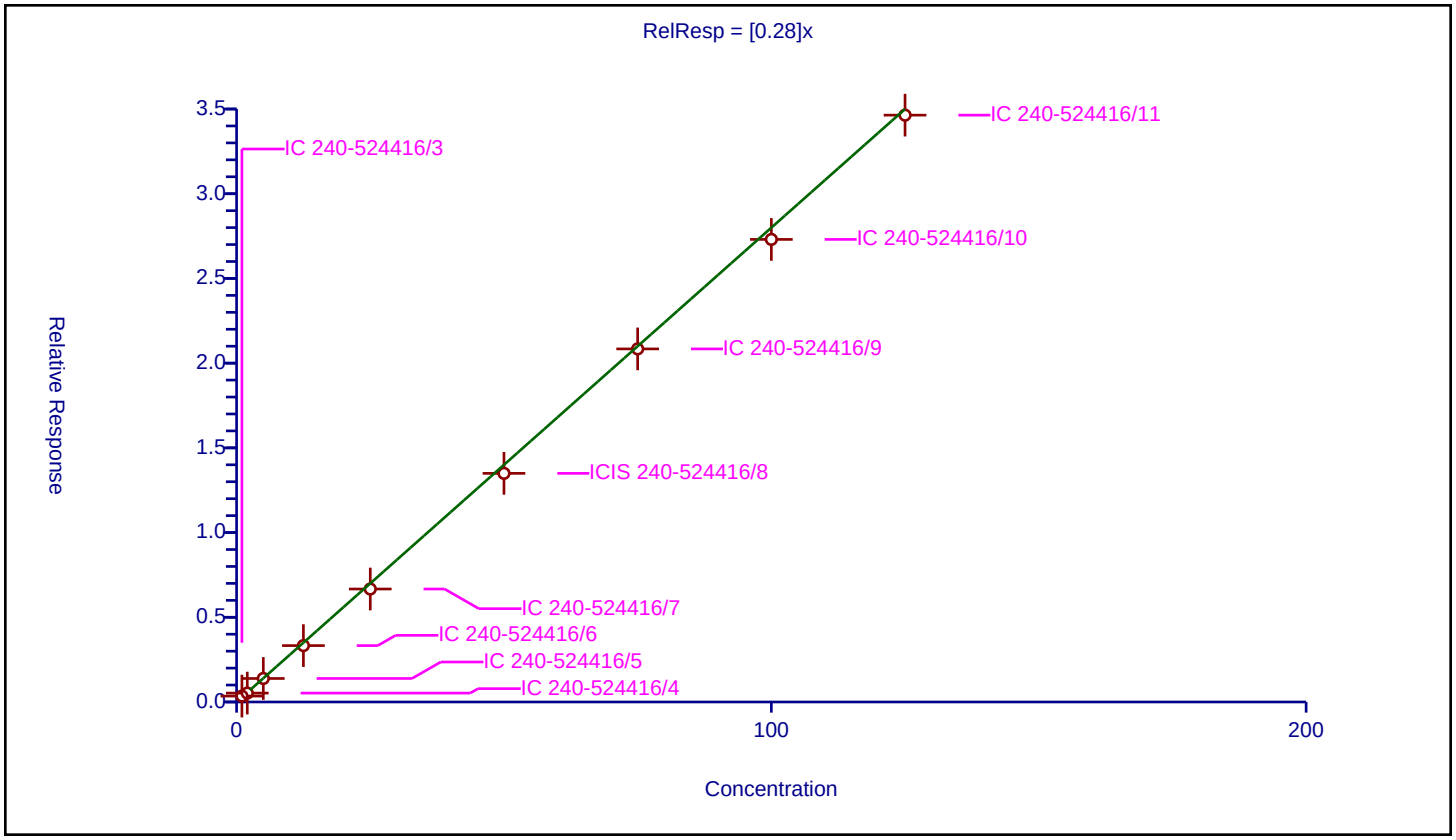
Curve Coefficients

Intercept:	0
Slope:	0.28

Error Coefficients

Standard Error:	879000
Relative Standard Error:	9.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	1.0	0.349165	28.9	1127312.0	0.349165	Y
2	IC 240-524416/4	2.0	0.524216	28.9	1156405.0	0.262108	Y
3	IC 240-524416/5	5.0	1.387651	28.9	1153458.0	0.27753	Y
4	IC 240-524416/6	12.5	3.328554	28.9	1212122.0	0.266284	Y
5	IC 240-524416/7	25.0	6.668442	28.9	1274350.0	0.266738	Y
6	ICIS 240-524416/8	50.0	13.495243	28.9	1311546.0	0.269905	Y
7	IC 240-524416/9	75.0	20.839774	28.9	1356842.0	0.277864	Y
8	IC 240-524416/10	100.0	27.302905	28.9	1412270.0	0.273029	Y
9	IC 240-524416/11	125.0	34.638646	28.9	1434025.0	0.277109	Y



Calibration / Methylene Chloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

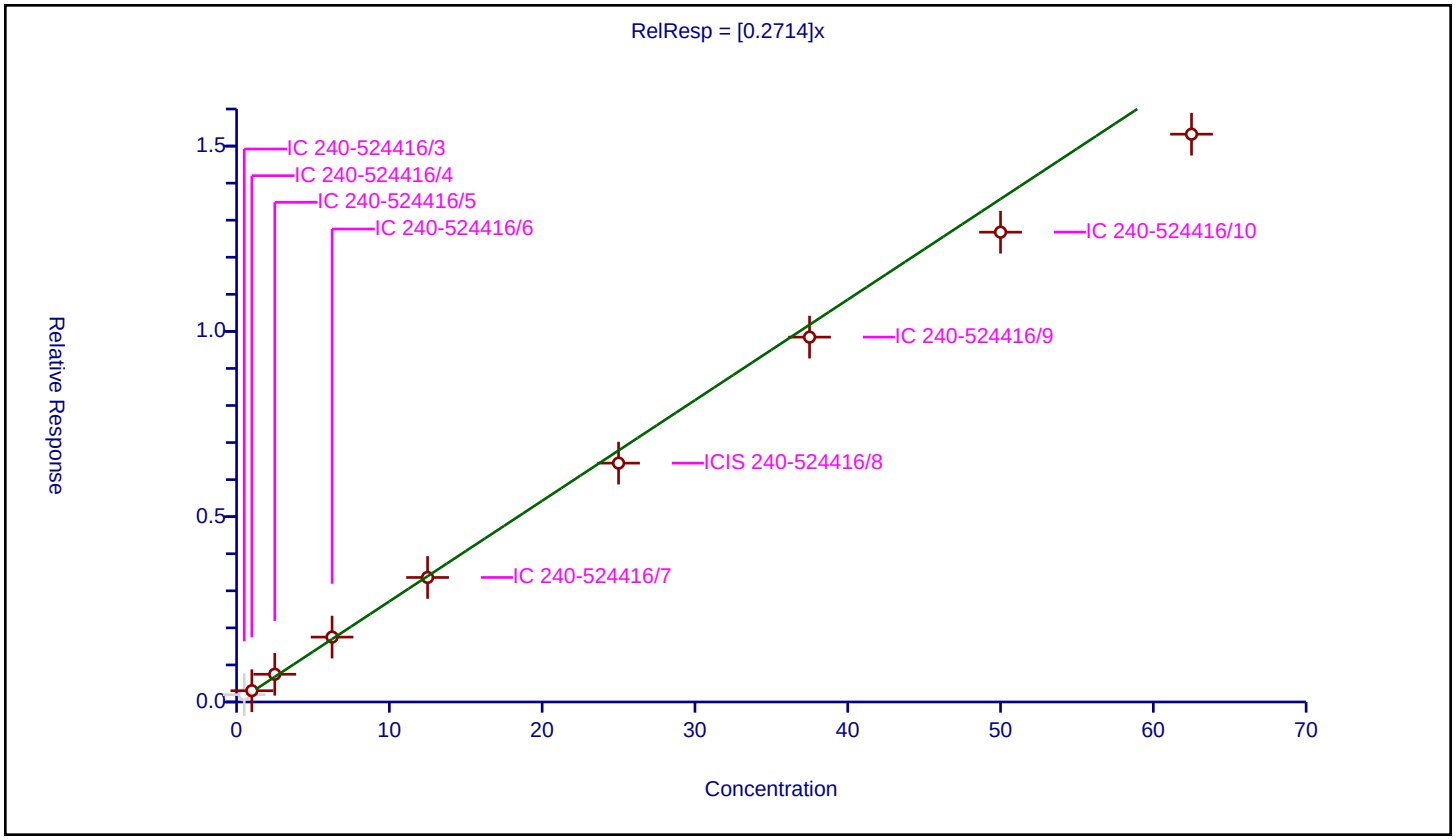
Curve Coefficients

Intercept:	0
Slope:	0.2714

Error Coefficients

Standard Error:	429000
Relative Standard Error:	7.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.198296	28.9	1127312.0	0.396592	N
2	IC 240-524416/4	1.0	0.304293	28.9	1156405.0	0.304293	Y
3	IC 240-524416/5	2.5	0.747794	28.9	1153458.0	0.299118	Y
4	IC 240-524416/6	6.25	1.751135	28.9	1212122.0	0.280182	Y
5	IC 240-524416/7	12.5	3.36012	28.9	1274350.0	0.26881	Y
6	ICIS 240-524416/8	25.0	6.444904	28.9	1311546.0	0.257796	Y
7	IC 240-524416/9	37.5	9.844993	28.9	1356842.0	0.262533	Y
8	IC 240-524416/10	50.0	12.676776	28.9	1412270.0	0.253536	Y
9	IC 240-524416/11	62.5	15.321005	28.9	1434025.0	0.245136	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

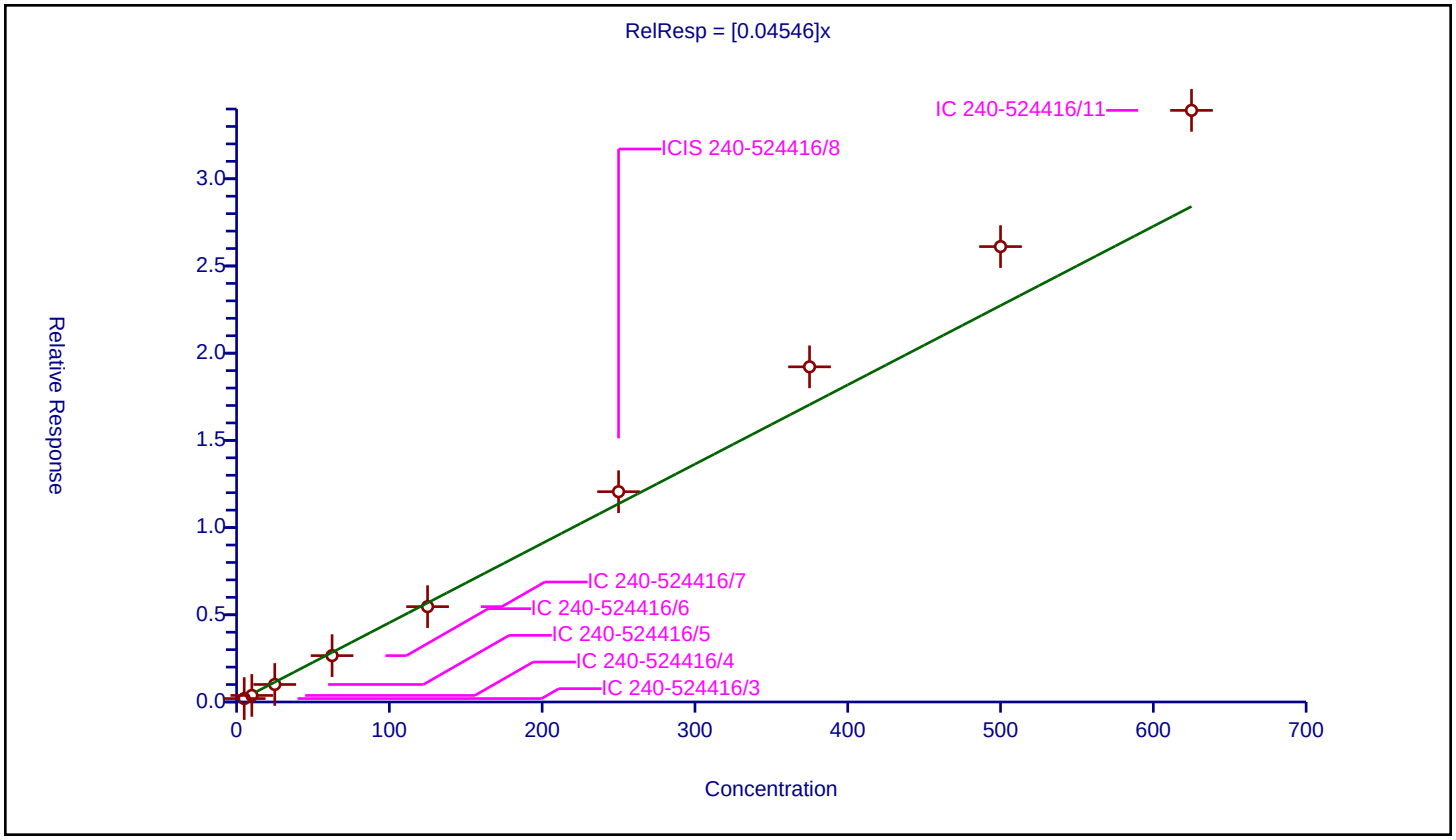
Curve Coefficients

Intercept:	0
Slope:	0.04546

Error Coefficients

Standard Error:	840000
Relative Standard Error:	13.6
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	5.0	0.195732	28.9	1127312.0	0.039146	Y
2	IC 240-524416/4	10.0	0.375868	28.9	1156405.0	0.037587	Y
3	IC 240-524416/5	25.0	1.003281	28.9	1153458.0	0.040131	Y
4	IC 240-524416/6	62.5	2.658628	28.9	1212122.0	0.042538	Y
5	IC 240-524416/7	125.0	5.467653	28.9	1274350.0	0.043741	Y
6	ICIS 240-524416/8	250.0	12.057873	28.9	1311546.0	0.048231	Y
7	IC 240-524416/9	375.0	19.217628	28.9	1356842.0	0.051247	Y
8	IC 240-524416/10	500.0	26.111847	28.9	1412270.0	0.052224	Y
9	IC 240-524416/11	625.0	33.921459	28.9	1434025.0	0.054274	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

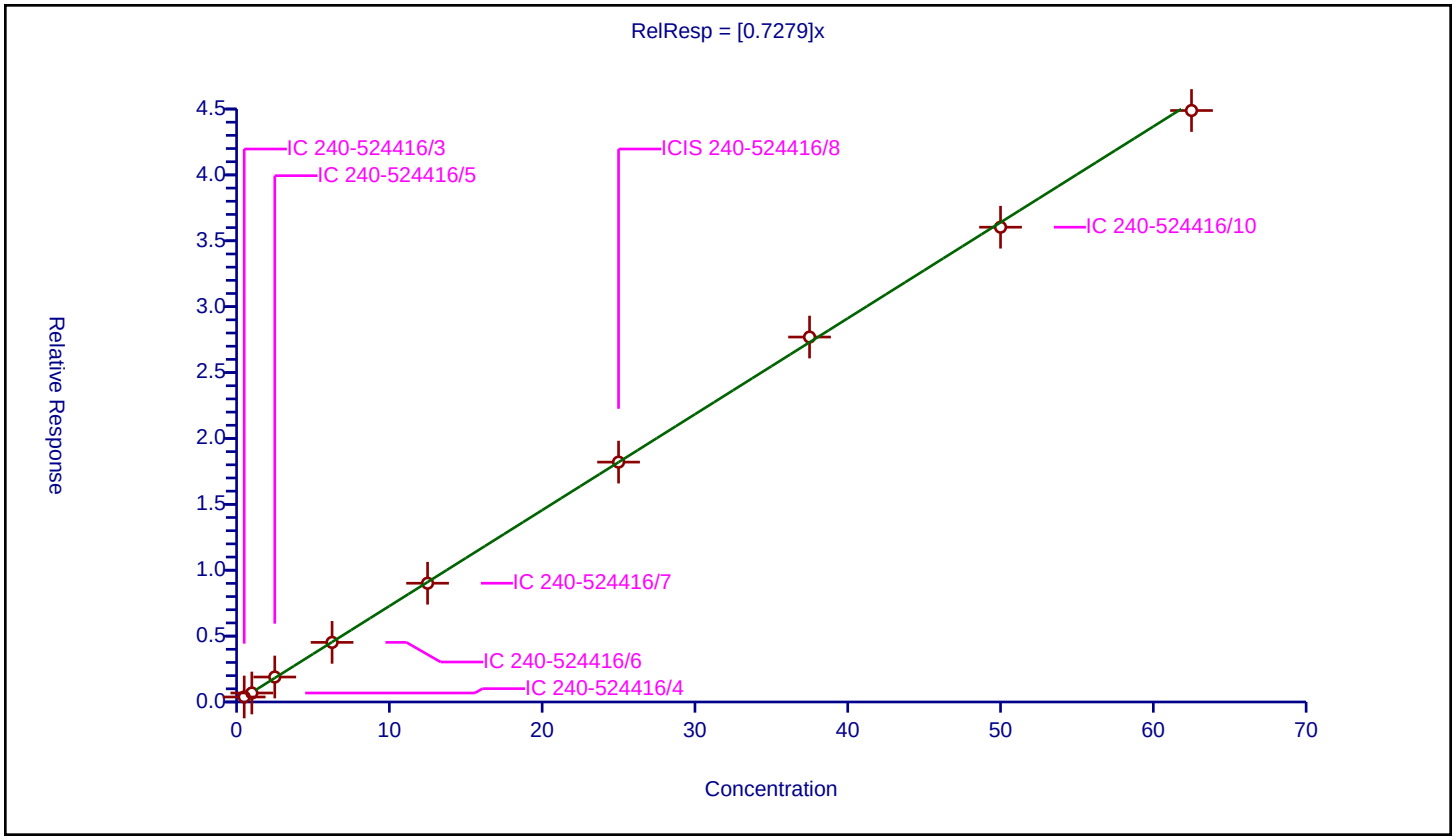
Curve Coefficients

Intercept:	0
Slope:	0.7279

Error Coefficients

Standard Error:	1150000
Relative Standard Error:	3.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.379672	28.9	1127312.0	0.759344	Y
2	IC 240-524416/4	1.0	0.682811	28.9	1156405.0	0.682811	Y
3	IC 240-524416/5	2.5	1.896044	28.9	1153458.0	0.758418	Y
4	IC 240-524416/6	6.25	4.523682	28.9	1212122.0	0.723789	Y
5	IC 240-524416/7	12.5	9.012849	28.9	1274350.0	0.721028	Y
6	ICIS 240-524416/8	25.0	18.204004	28.9	1311546.0	0.72816	Y
7	IC 240-524416/9	37.5	27.694919	28.9	1356842.0	0.738531	Y
8	IC 240-524416/10	50.0	36.031226	28.9	1412270.0	0.720625	Y
9	IC 240-524416/11	62.5	44.886117	28.9	1434025.0	0.718178	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

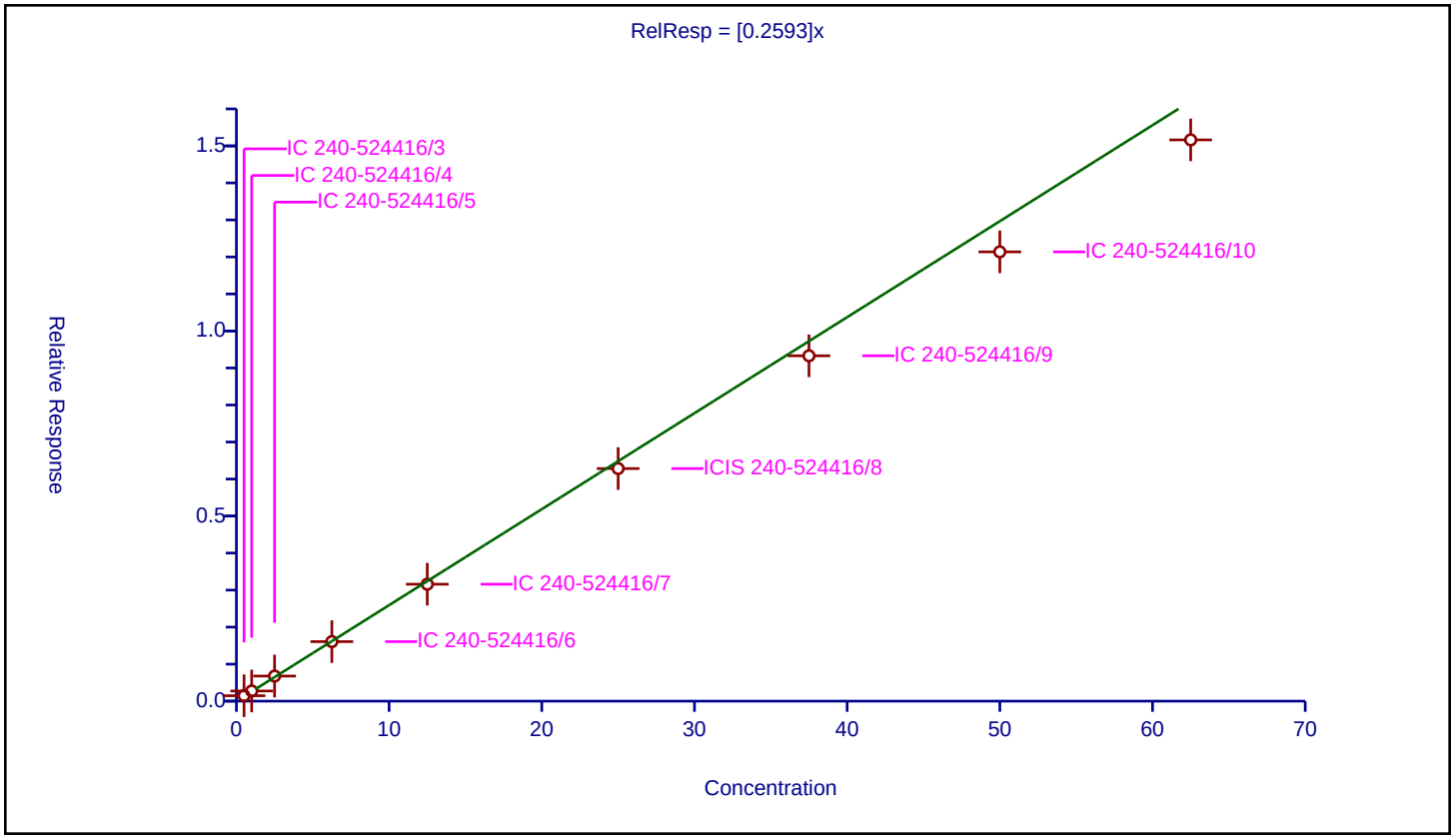
Curve Coefficients

Intercept:	0
Slope:	0.2593

Error Coefficients

Standard Error:	390000
Relative Standard Error:	6.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.146588	28.9	1127312.0	0.293176	Y
2	IC 240-524416/4	1.0	0.274379	28.9	1156405.0	0.274379	Y
3	IC 240-524416/5	2.5	0.677114	28.9	1153458.0	0.270846	Y
4	IC 240-524416/6	6.25	1.607889	28.9	1212122.0	0.257262	Y
5	IC 240-524416/7	12.5	3.159236	28.9	1274350.0	0.252739	Y
6	ICIS 240-524416/8	25.0	6.283541	28.9	1311546.0	0.251342	Y
7	IC 240-524416/9	37.5	9.329887	28.9	1356842.0	0.248797	Y
8	IC 240-524416/10	50.0	12.137214	28.9	1412270.0	0.242744	Y
9	IC 240-524416/11	62.5	15.162562	28.9	1434025.0	0.242601	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

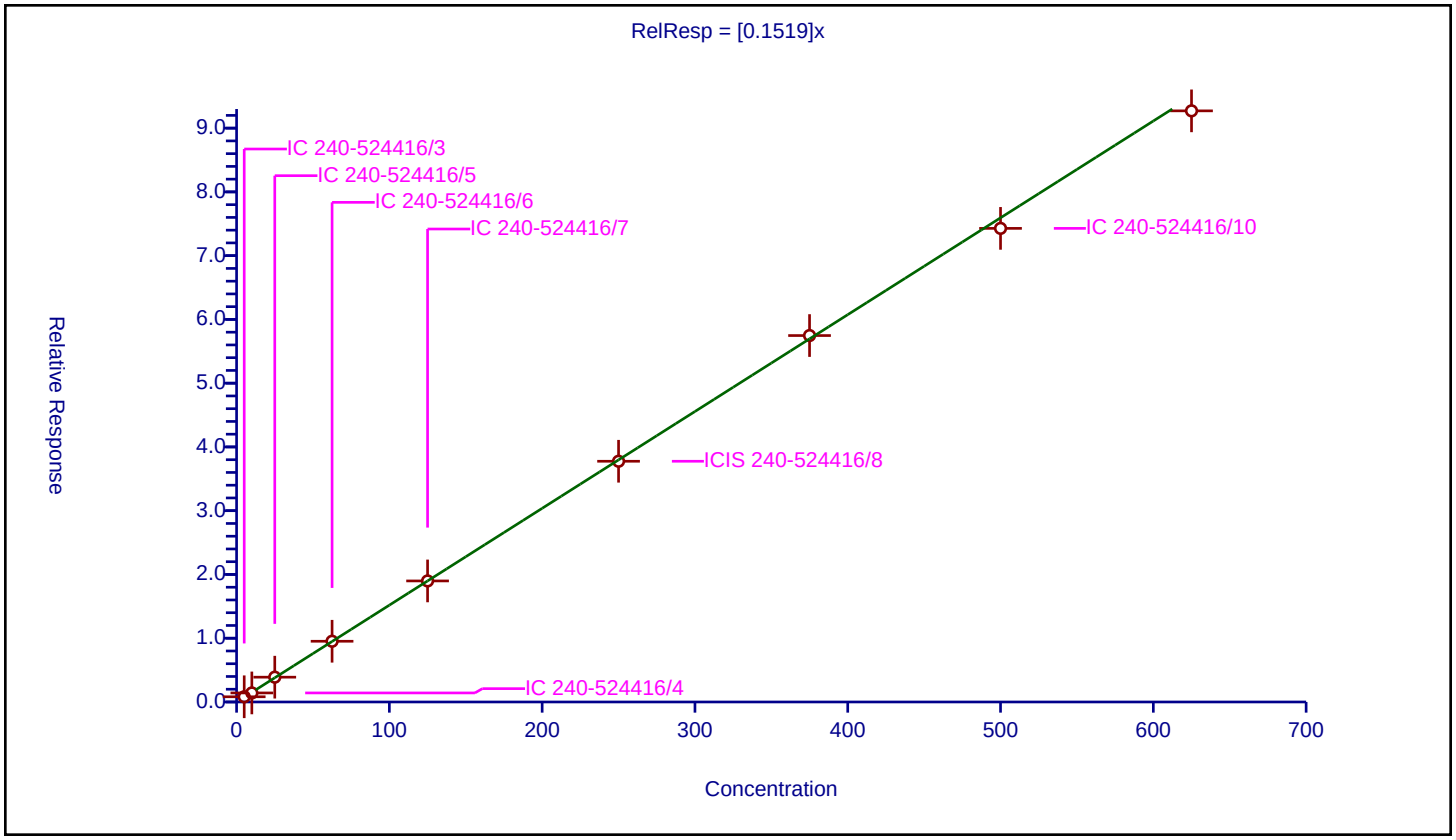
Curve Coefficients

Intercept:	0
Slope:	0.1519

Error Coefficients

Standard Error:	2380000
Relative Standard Error:	3.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	5.0	0.817359	28.9	1127312.0	0.163472	Y
2	IC 240-524416/4	10.0	1.421802	28.9	1156405.0	0.14218	Y
3	IC 240-524416/5	25.0	3.891633	28.9	1153458.0	0.155665	Y
4	IC 240-524416/6	62.5	9.526575	28.9	1212122.0	0.152425	Y
5	IC 240-524416/7	125.0	18.985668	28.9	1274350.0	0.151885	Y
6	ICIS 240-524416/8	250.0	37.75684	28.9	1311546.0	0.151027	Y
7	IC 240-524416/9	375.0	57.473011	28.9	1356842.0	0.153261	Y
8	IC 240-524416/10	500.0	74.280512	28.9	1412270.0	0.148561	Y
9	IC 240-524416/11	625.0	92.713151	28.9	1434025.0	0.148341	Y



Calibration / Hexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

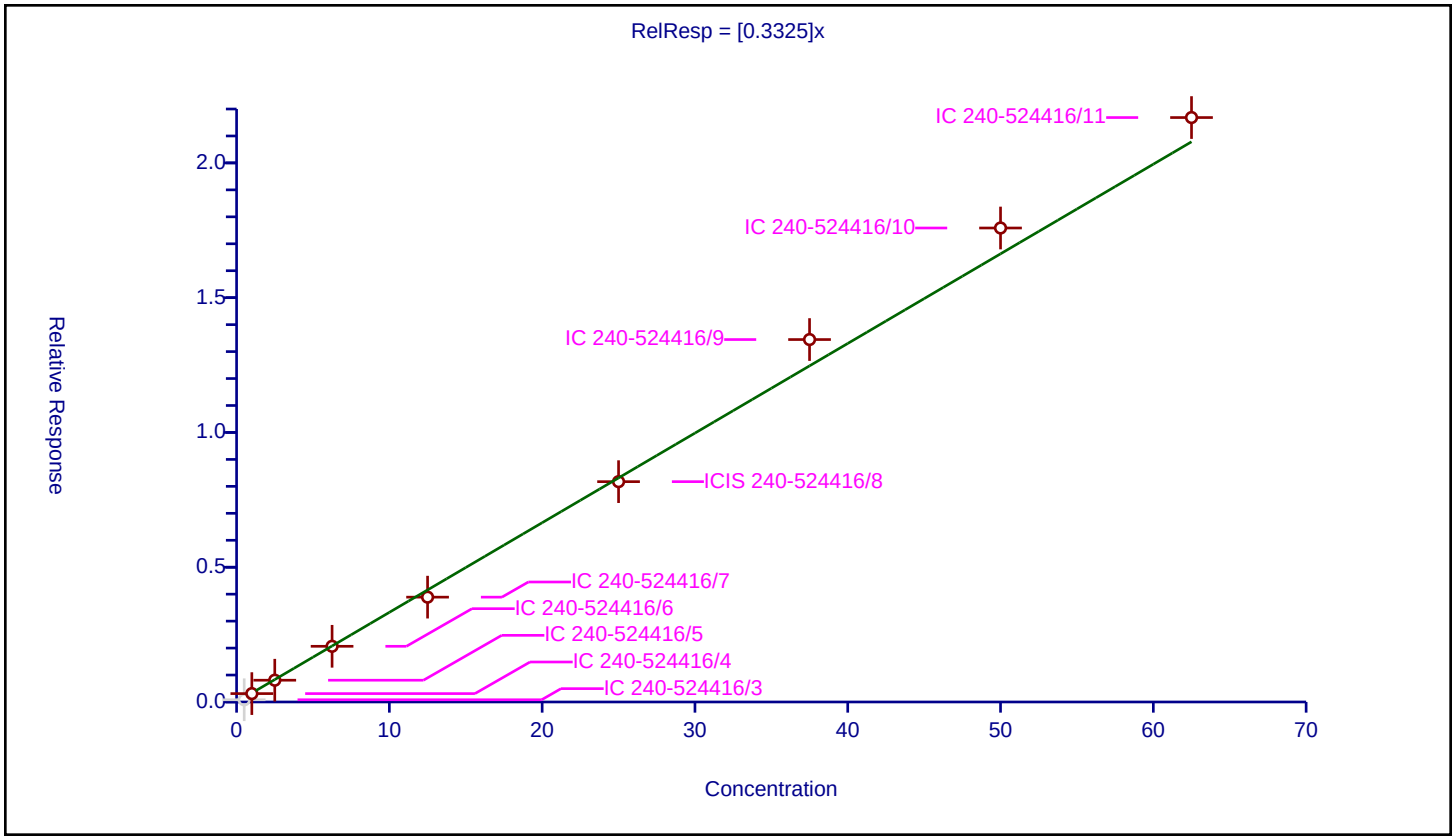
Curve Coefficients

Intercept:	0
Slope:	0.3325

Error Coefficients

Standard Error:	594000
Relative Standard Error:	5.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.082369	28.9	1127312.0	0.164738	N
2	IC 240-524416/4	1.0	0.311066	28.9	1156405.0	0.311066	Y
3	IC 240-524416/5	2.5	0.808152	28.9	1153458.0	0.323261	Y
4	IC 240-524416/6	6.25	2.066428	28.9	1212122.0	0.330629	Y
5	IC 240-524416/7	12.5	3.889452	28.9	1274350.0	0.311156	Y
6	ICIS 240-524416/8	25.0	8.174678	28.9	1311546.0	0.326987	Y
7	IC 240-524416/9	37.5	13.447179	28.9	1356842.0	0.358591	Y
8	IC 240-524416/10	50.0	17.585828	28.9	1412270.0	0.351717	Y
9	IC 240-524416/11	62.5	21.68359	28.9	1434025.0	0.346937	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

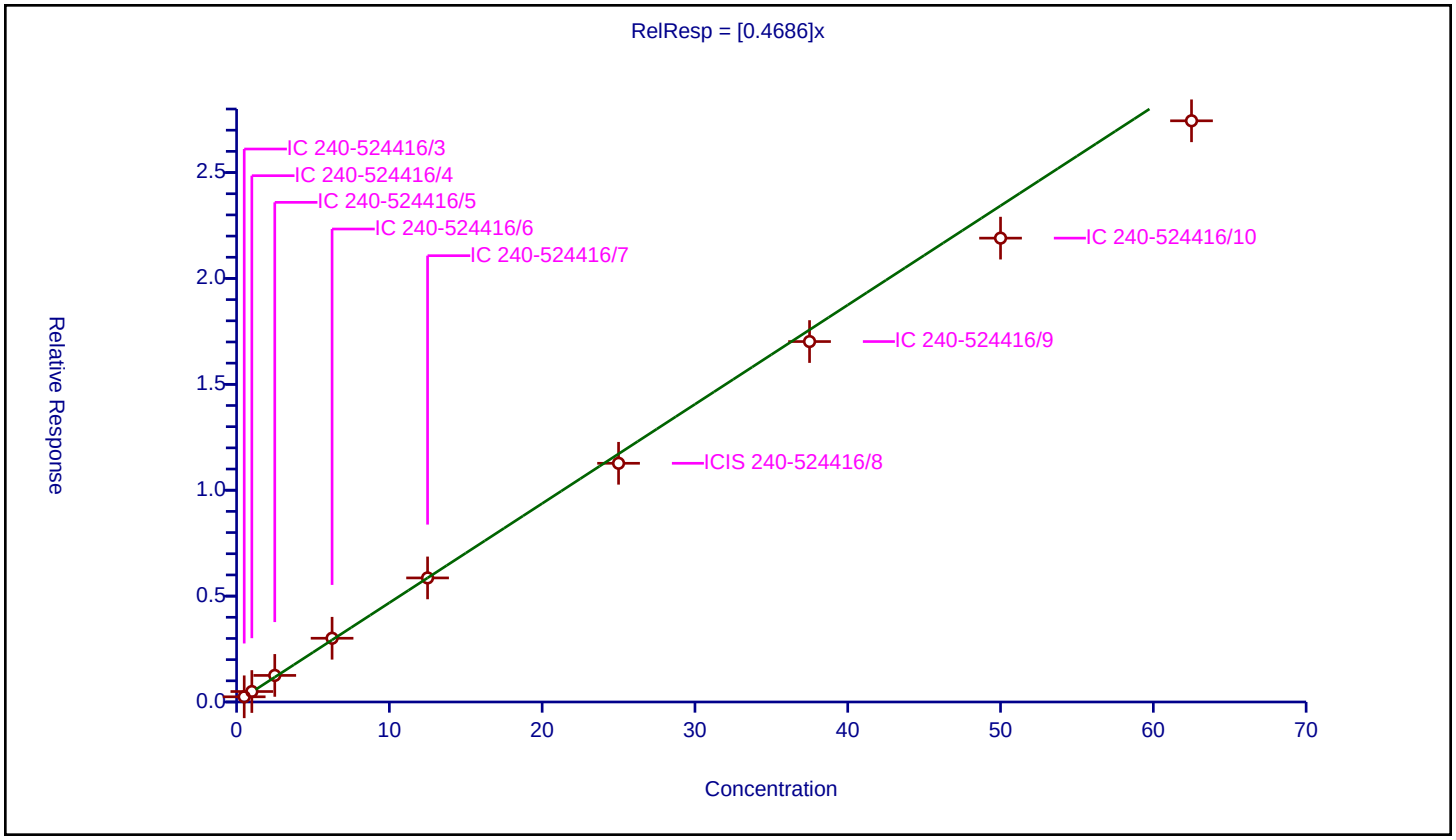
Curve Coefficients

Intercept:	0
Slope:	0.4686

Error Coefficients

Standard Error:	706000
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	IC 240-524416/3	0.5	0.244903	28.9	1127312.0	0.489805	Y
2	IC 240-524416/4	1.0	0.493877	28.9	1156405.0	0.493877	Y
3	IC 240-524416/5	2.5	1.254759	28.9	1153458.0	0.501904	Y
4	IC 240-524416/6	6.25	3.009613	28.9	1212122.0	0.481538	Y
5	IC 240-524416/7	12.5	5.858943	28.9	1274350.0	0.468715	Y
6	ICIS 240-524416/8	25.0	11.271971	28.9	1311546.0	0.450879	Y
7	IC 240-524416/9	37.5	17.019758	28.9	1356842.0	0.45386	Y
8	IC 240-524416/10	50.0	21.903199	28.9	1412270.0	0.438064	Y
9	IC 240-524416/11	62.5	27.443699	28.9	1434025.0	0.439099	Y



Calibration / Vinyl acetate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

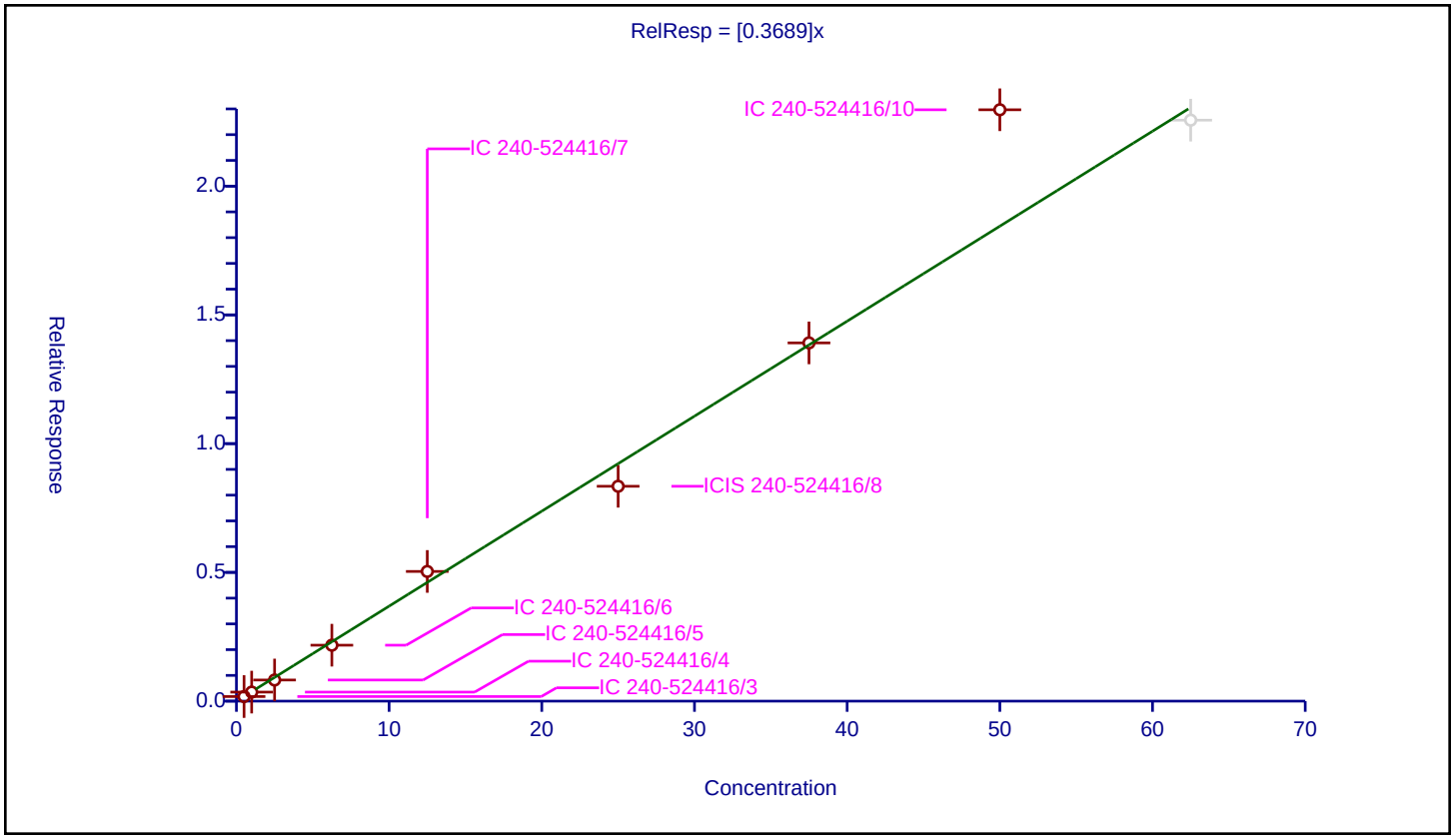
Curve Coefficients

Intercept:	0
Slope:	0.3689

Error Coefficients

Standard Error:	519000
Relative Standard Error:	11.7
Correlation Coefficient:	0.968
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.178402	28.9	1127312.0	0.356805	Y
2	IC 240-524416/4	1.0	0.351577	28.9	1156405.0	0.351577	Y
3	IC 240-524416/5	2.5	0.820229	28.9	1153458.0	0.328091	Y
4	IC 240-524416/6	6.25	2.172384	28.9	1212122.0	0.347581	Y
5	IC 240-524416/7	12.5	5.037175	28.9	1274350.0	0.402974	Y
6	ICIS 240-524416/8	25.0	8.344965	28.9	1311546.0	0.333799	Y
7	IC 240-524416/9	37.5	13.9127	28.9	1356842.0	0.371005	Y
8	IC 240-524416/10	50.0	22.966073	28.9	1412270.0	0.459321	Y
9	IC 240-524416/11	62.5	22.562304	28.9	1434025.0	0.360997	N



Calibration / 2,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

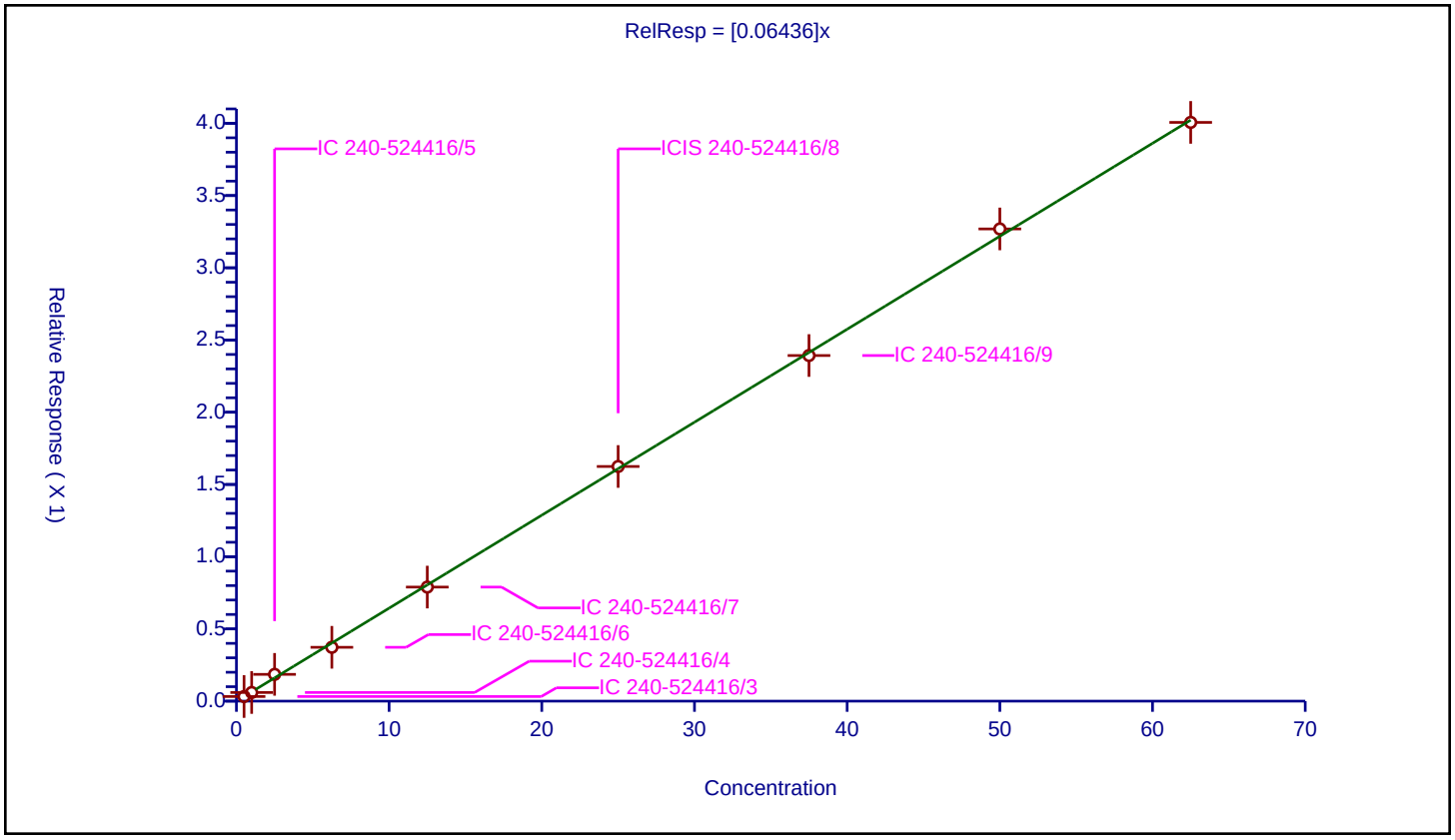
Curve Coefficients

Intercept:	0
Slope:	0.06436

Error Coefficients

Standard Error:	103000
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	IC 240-524416/3	0.5	0.032071	28.9	1127312.0	0.064142	Y
2	IC 240-524416/4	1.0	0.059879	28.9	1156405.0	0.059879	Y
3	IC 240-524416/5	2.5	0.185458	28.9	1153458.0	0.074183	Y
4	IC 240-524416/6	6.25	0.37273	28.9	1212122.0	0.059637	Y
5	IC 240-524416/7	12.5	0.789656	28.9	1274350.0	0.063172	Y
6	ICIS 240-524416/8	25.0	1.624403	28.9	1311546.0	0.064976	Y
7	IC 240-524416/9	37.5	2.392653	28.9	1356842.0	0.063804	Y
8	IC 240-524416/10	50.0	3.269005	28.9	1412270.0	0.06538	Y
9	IC 240-524416/11	62.5	4.006429	28.9	1434025.0	0.064103	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

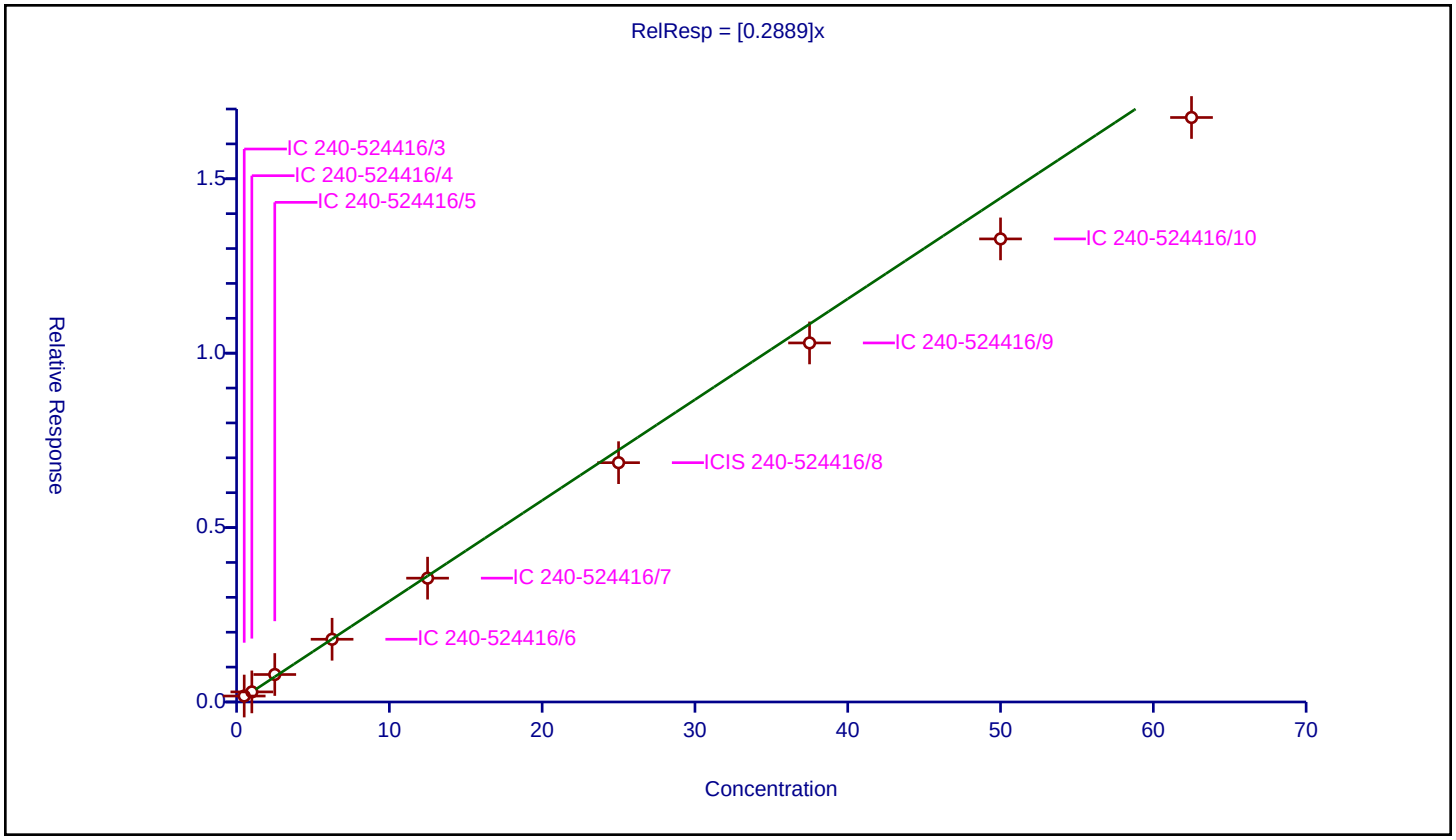
Curve Coefficients

Intercept:	0
Slope:	0.2889

Error Coefficients

Standard Error:	429000
Relative Standard Error:	8.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.170558	28.9	1127312.0	0.341115	Y
2	IC 240-524416/4	1.0	0.289649	28.9	1156405.0	0.289649	Y
3	IC 240-524416/5	2.5	0.787983	28.9	1153458.0	0.315193	Y
4	IC 240-524416/6	6.25	1.79882	28.9	1212122.0	0.287811	Y
5	IC 240-524416/7	12.5	3.550004	28.9	1274350.0	0.284	Y
6	ICIS 240-524416/8	25.0	6.861366	28.9	1311546.0	0.274455	Y
7	IC 240-524416/9	37.5	10.29356	28.9	1356842.0	0.274495	Y
8	IC 240-524416/10	50.0	13.276397	28.9	1412270.0	0.265528	Y
9	IC 240-524416/11	62.5	16.756952	28.9	1434025.0	0.268111	Y



Calibration / 2-Butanone (MEK)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

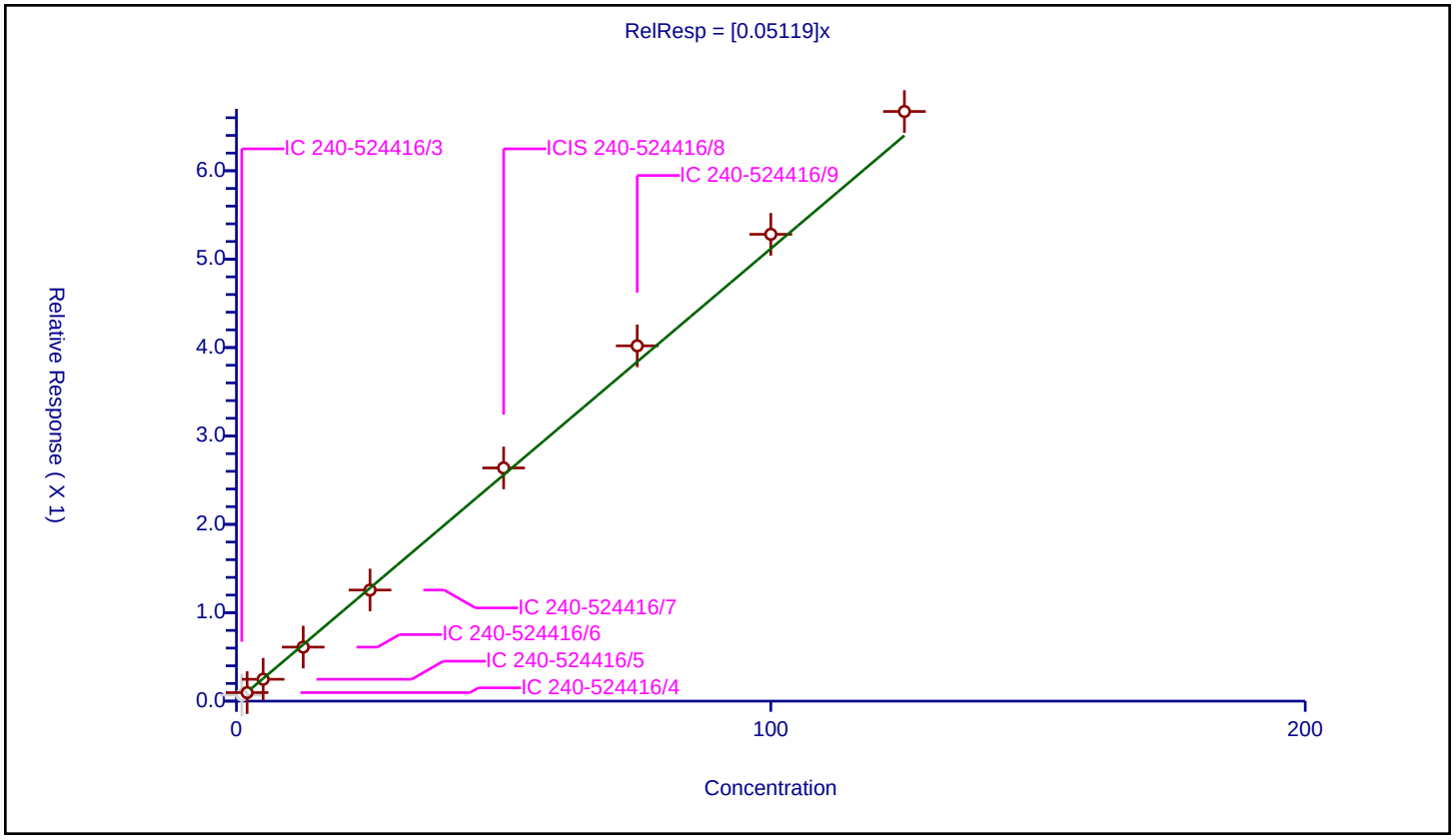
Curve Coefficients

Intercept:	0
Slope:	0.05119

Error Coefficients

Standard Error:	181000
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	IC 240-524416/3	1.0	0.068602	28.9	1127312.0	0.068602	N
2	IC 240-524416/4	2.0	0.096566	28.9	1156405.0	0.048283	Y
3	IC 240-524416/5	5.0	0.247544	28.9	1153458.0	0.049509	Y
4	IC 240-524416/6	12.5	0.61125	28.9	1212122.0	0.0489	Y
5	IC 240-524416/7	25.0	1.256941	28.9	1274350.0	0.050278	Y
6	ICIS 240-524416/8	50.0	2.638214	28.9	1311546.0	0.052764	Y
7	IC 240-524416/9	75.0	4.019719	28.9	1356842.0	0.053596	Y
8	IC 240-524416/10	100.0	5.281386	28.9	1412270.0	0.052814	Y
9	IC 240-524416/11	125.0	6.670886	28.9	1434025.0	0.053367	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

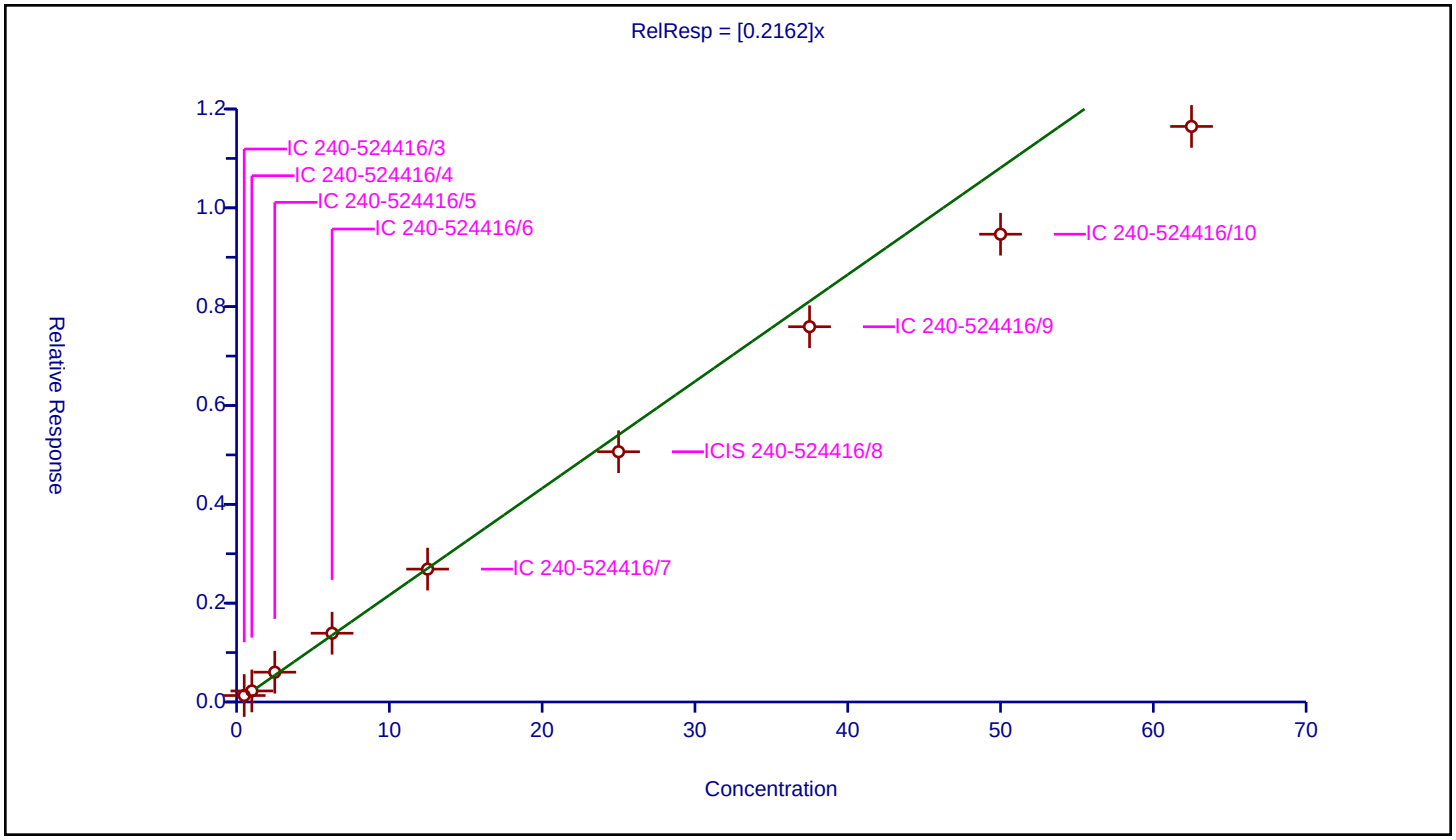
Curve Coefficients

Intercept:	0
Slope:	0.2162

Error Coefficients

Standard Error:	305000
Relative Standard Error:	11.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.131129	28.9	1127312.0	0.262258	Y
2	IC 240-524416/4	1.0	0.223947	28.9	1156405.0	0.223947	Y
3	IC 240-524416/5	2.5	0.602876	28.9	1153458.0	0.24115	Y
4	IC 240-524416/6	6.25	1.391424	28.9	1212122.0	0.222628	Y
5	IC 240-524416/7	12.5	2.689388	28.9	1274350.0	0.215151	Y
6	ICIS 240-524416/8	25.0	5.064561	28.9	1311546.0	0.202582	Y
7	IC 240-524416/9	37.5	7.594343	28.9	1356842.0	0.202516	Y
8	IC 240-524416/10	50.0	9.466542	28.9	1412270.0	0.189331	Y
9	IC 240-524416/11	62.5	11.647787	28.9	1434025.0	0.186365	Y



Calibration / Tetrahydrofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

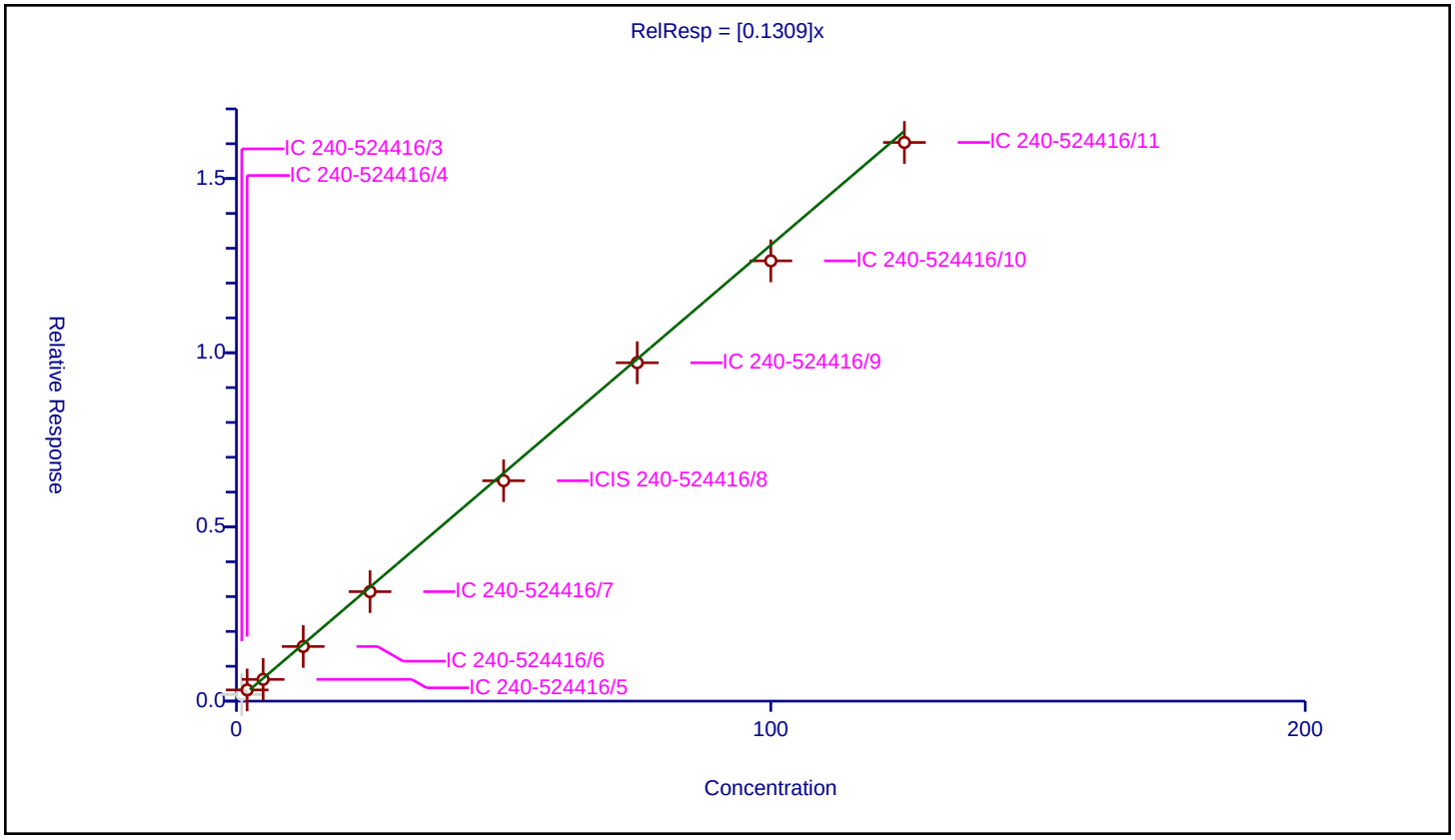
Curve Coefficients

Intercept:	0
Slope:	0.1309

Error Coefficients

Standard Error:	436000
Relative Standard Error:	9.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	1.0	0.189118	28.9	1127312.0	0.189118	N
2	IC 240-524416/4	2.0	0.321112	28.9	1156405.0	0.160556	Y
3	IC 240-524416/5	5.0	0.624548	28.9	1153458.0	0.12491	Y
4	IC 240-524416/6	12.5	1.568168	28.9	1212122.0	0.125453	Y
5	IC 240-524416/7	25.0	3.14259	28.9	1274350.0	0.125704	Y
6	ICIS 240-524416/8	50.0	6.326928	28.9	1311546.0	0.126539	Y
7	IC 240-524416/9	75.0	9.713725	28.9	1356842.0	0.129516	Y
8	IC 240-524416/10	100.0	12.638181	28.9	1412270.0	0.126382	Y
9	IC 240-524416/11	125.0	16.036802	28.9	1434025.0	0.128294	Y



Calibration / Chloroform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

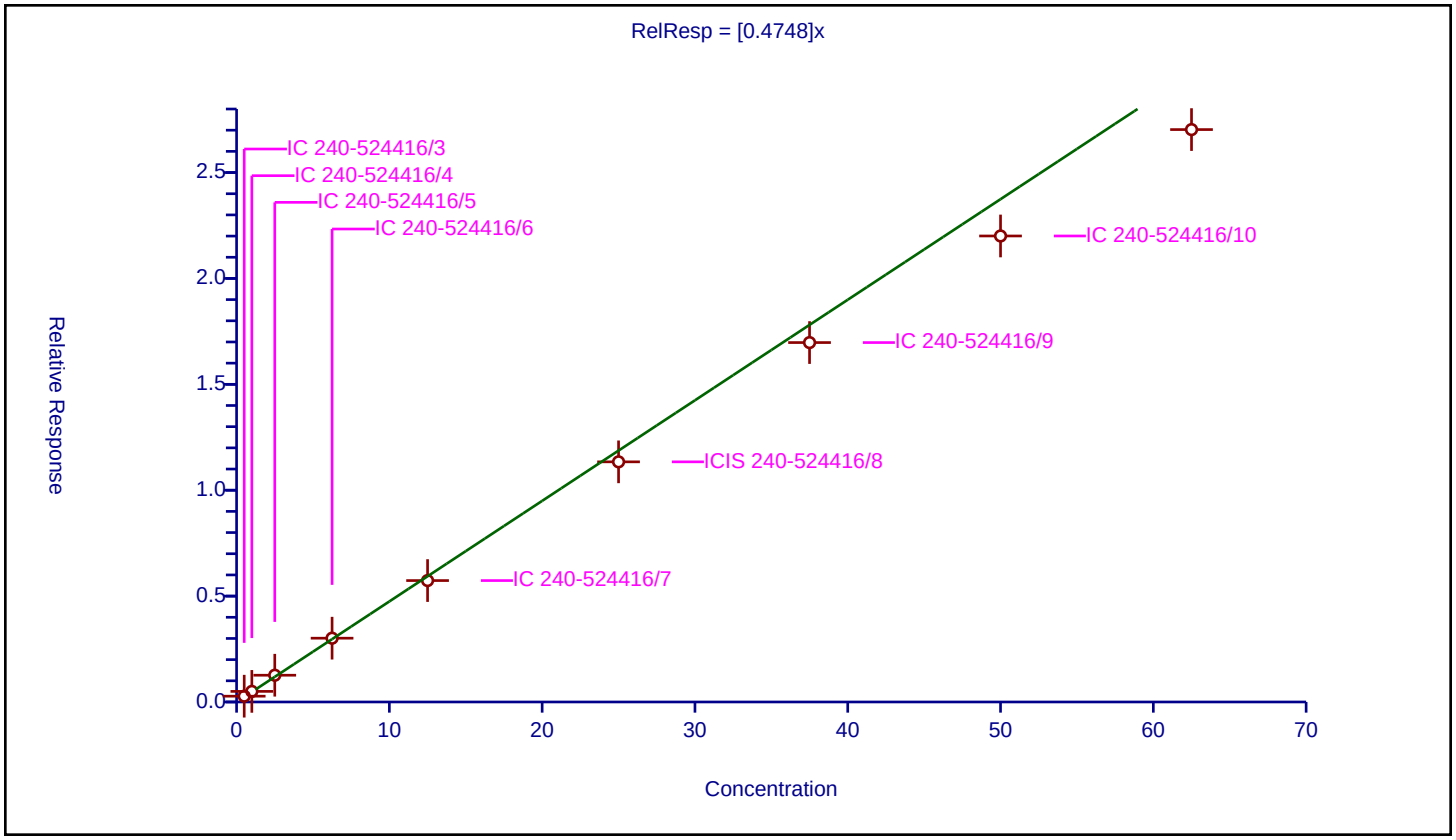
Curve Coefficients

Intercept:	0
Slope:	0.4748

Error Coefficients

Standard Error:	702000
Relative Standard Error:	7.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.274154	28.9	1127312.0	0.548307	Y
2	IC 240-524416/4	1.0	0.50015	28.9	1156405.0	0.50015	Y
3	IC 240-524416/5	2.5	1.264105	28.9	1153458.0	0.505642	Y
4	IC 240-524416/6	6.25	3.012379	28.9	1212122.0	0.481981	Y
5	IC 240-524416/7	12.5	5.734235	28.9	1274350.0	0.458739	Y
6	ICIS 240-524416/8	25.0	11.339663	28.9	1311546.0	0.453587	Y
7	IC 240-524416/9	37.5	16.971366	28.9	1356842.0	0.45257	Y
8	IC 240-524416/10	50.0	22.004882	28.9	1412270.0	0.440098	Y
9	IC 240-524416/11	62.5	27.028526	28.9	1434025.0	0.432456	Y



Calibration / Cyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

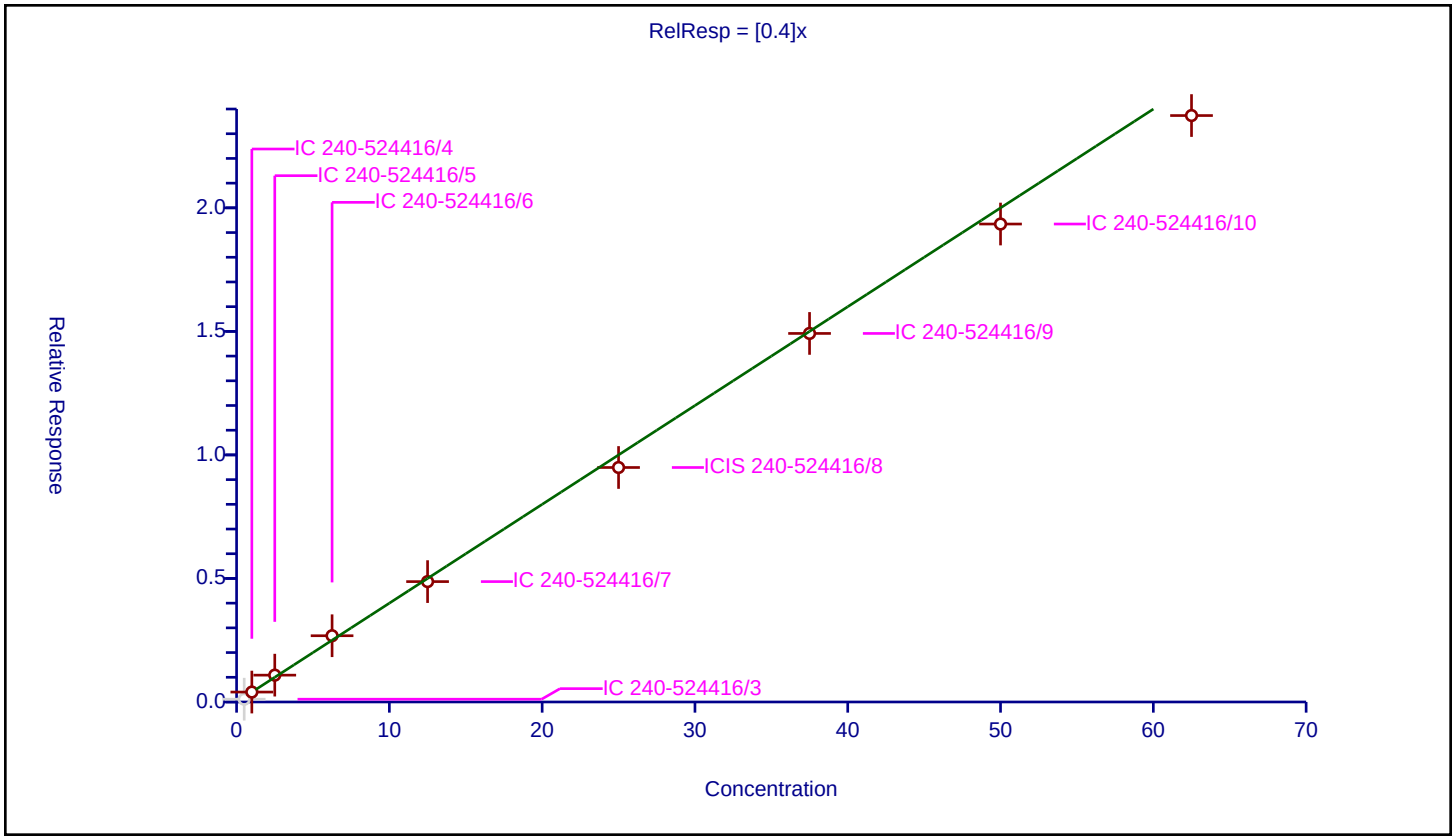
Curve Coefficients

Intercept:	0
Slope:	0.4

Error Coefficients

Standard Error:	657000
Relative Standard Error:	5.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.112492	28.9	1127312.0	0.224983	N
2	IC 240-524416/4	1.0	0.402034	28.9	1156405.0	0.402034	Y
3	IC 240-524416/5	2.5	1.08674	28.9	1153458.0	0.434696	Y
4	IC 240-524416/6	6.25	2.681183	28.9	1212122.0	0.428989	Y
5	IC 240-524416/7	12.5	4.872553	28.9	1274350.0	0.389804	Y
6	ICIS 240-524416/8	25.0	9.490855	28.9	1311546.0	0.379634	Y
7	IC 240-524416/9	37.5	14.916181	28.9	1356842.0	0.397765	Y
8	IC 240-524416/10	50.0	19.345465	28.9	1412270.0	0.386909	Y
9	IC 240-524416/11	62.5	23.735696	28.9	1434025.0	0.379771	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

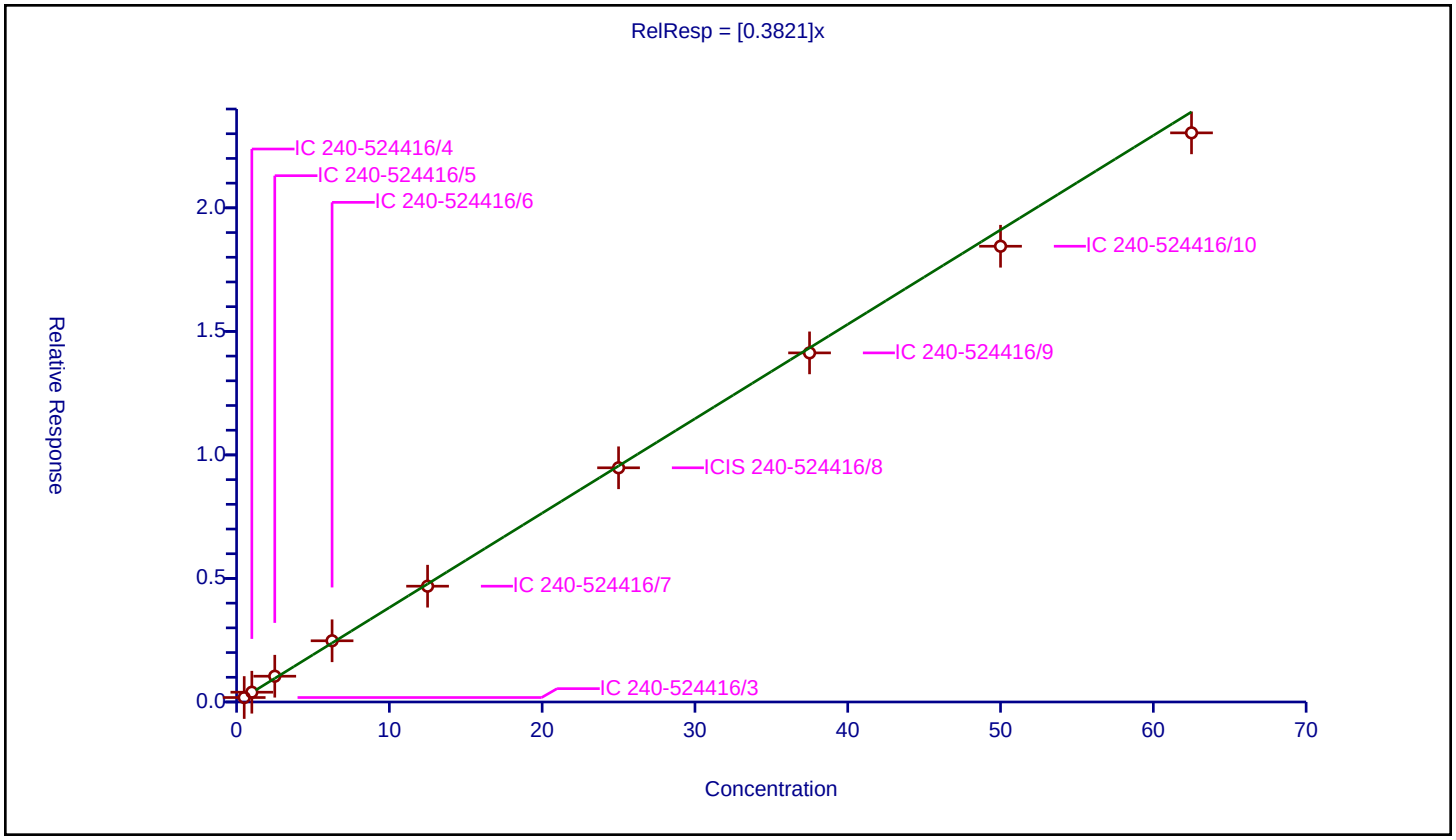
Curve Coefficients

Intercept:	0
Slope:	0.3821

Error Coefficients

Standard Error:	592000
Relative Standard Error:	4.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.180684	28.9	1127312.0	0.361368	Y
2	IC 240-524416/4	1.0	0.395911	28.9	1156405.0	0.395911	Y
3	IC 240-524416/5	2.5	1.043144	28.9	1153458.0	0.417258	Y
4	IC 240-524416/6	6.25	2.477425	28.9	1212122.0	0.396388	Y
5	IC 240-524416/7	12.5	4.686388	28.9	1274350.0	0.374911	Y
6	ICIS 240-524416/8	25.0	9.478691	28.9	1311546.0	0.379148	Y
7	IC 240-524416/9	37.5	14.129656	28.9	1356842.0	0.376791	Y
8	IC 240-524416/10	50.0	18.445725	28.9	1412270.0	0.368915	Y
9	IC 240-524416/11	62.5	23.035438	28.9	1434025.0	0.368567	Y



Calibration / Dibromofluoromethane (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

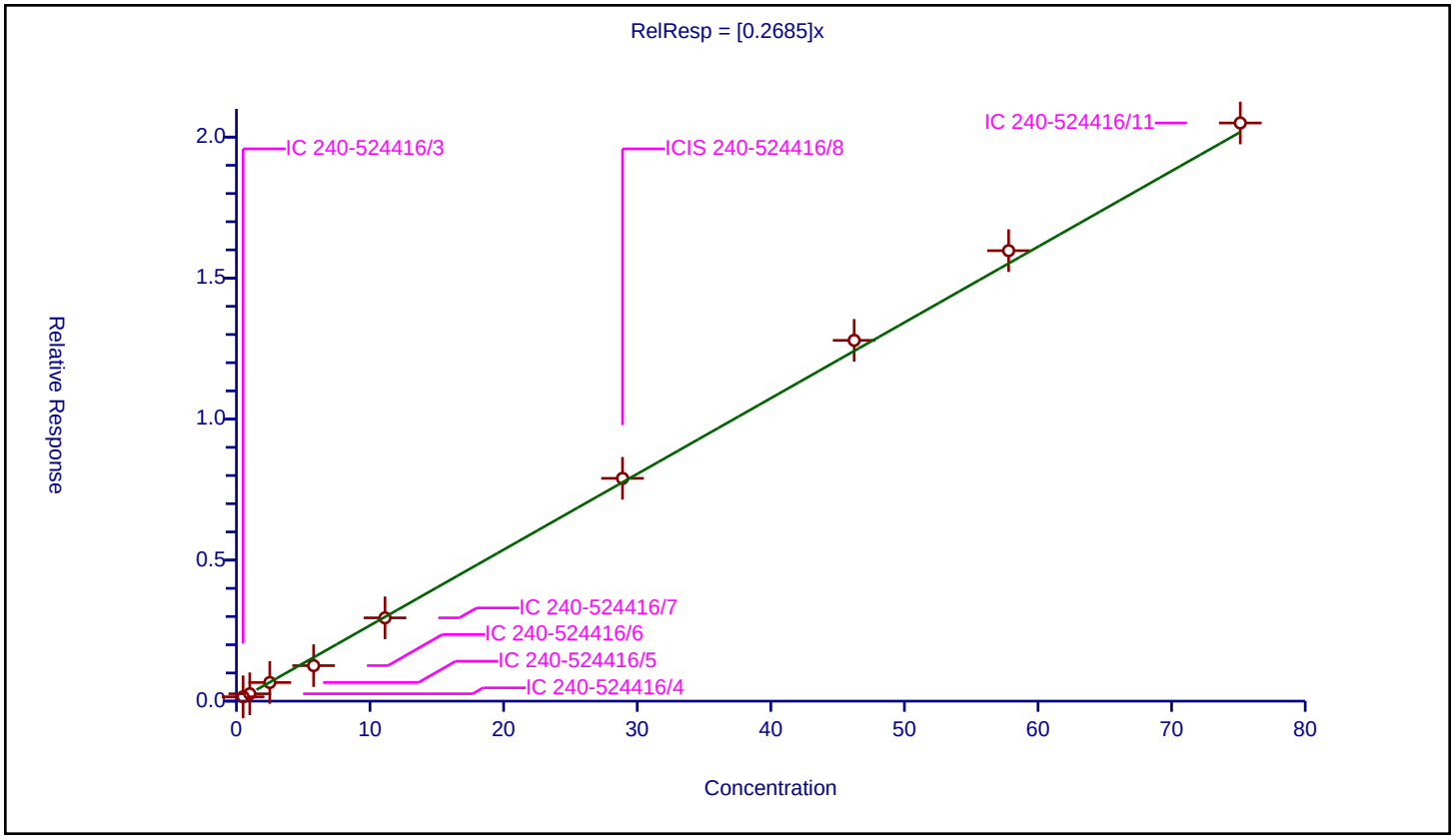
Curve Coefficients

Intercept:	0
Slope:	0.2685

Error Coefficients

Standard Error:	519000
Relative Standard Error:	8.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.154176	28.9	1127312.0	0.308352	Y
2	IC 240-524416/4	1.0	0.261358	28.9	1156405.0	0.261358	Y
3	IC 240-524416/5	2.5	0.661054	28.9	1153458.0	0.264421	Y
4	IC 240-524416/6	5.78	1.259098	28.9	1212122.0	0.217837	Y
5	IC 240-524416/7	11.12	2.953159	28.9	1274350.0	0.265572	Y
6	ICIS 240-524416/8	28.9	7.900209	28.9	1311546.0	0.273364	Y
7	IC 240-524416/9	46.24	12.79303	28.9	1356842.0	0.276666	Y
8	IC 240-524416/10	57.8	15.97314	28.9	1412270.0	0.276352	Y
9	IC 240-524416/11	75.14	20.500767	28.9	1434025.0	0.272834	Y



Calibration / Carbon tetrachloride

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

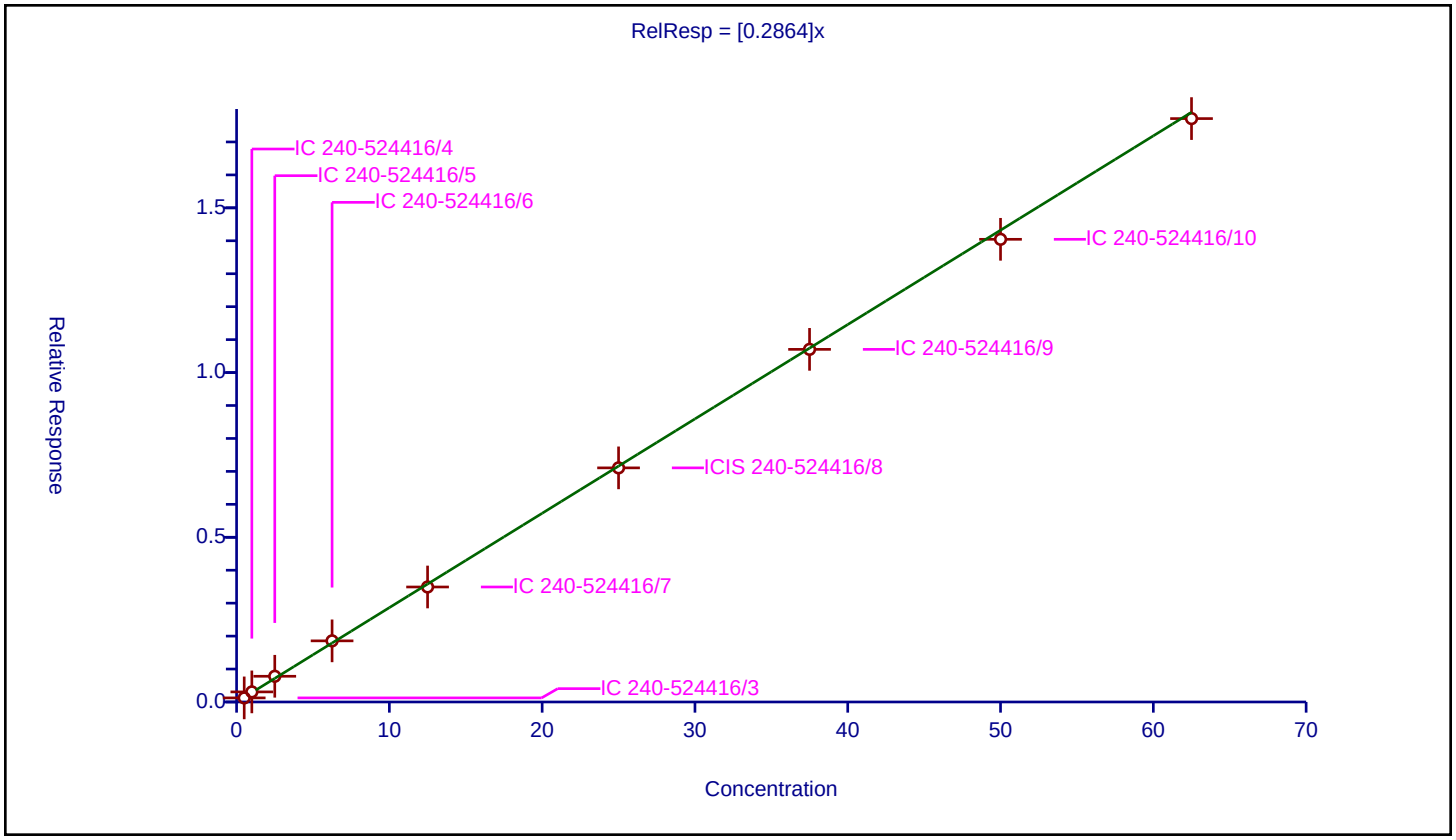
Curve Coefficients

Intercept:	0
Slope:	0.2864

Error Coefficients

Standard Error:	451000
Relative Standard Error:	6.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.124592	28.9	1127312.0	0.249184	Y
2	IC 240-524416/4	1.0	0.306193	28.9	1156405.0	0.306193	Y
3	IC 240-524416/5	2.5	0.780566	28.9	1153458.0	0.312227	Y
4	IC 240-524416/6	6.25	1.855875	28.9	1212122.0	0.29694	Y
5	IC 240-524416/7	12.5	3.4912	28.9	1274350.0	0.279296	Y
6	ICIS 240-524416/8	25.0	7.106991	28.9	1311546.0	0.28428	Y
7	IC 240-524416/9	37.5	10.704426	28.9	1356842.0	0.285451	Y
8	IC 240-524416/10	50.0	14.044761	28.9	1412270.0	0.280895	Y
9	IC 240-524416/11	62.5	17.709688	28.9	1434025.0	0.283355	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

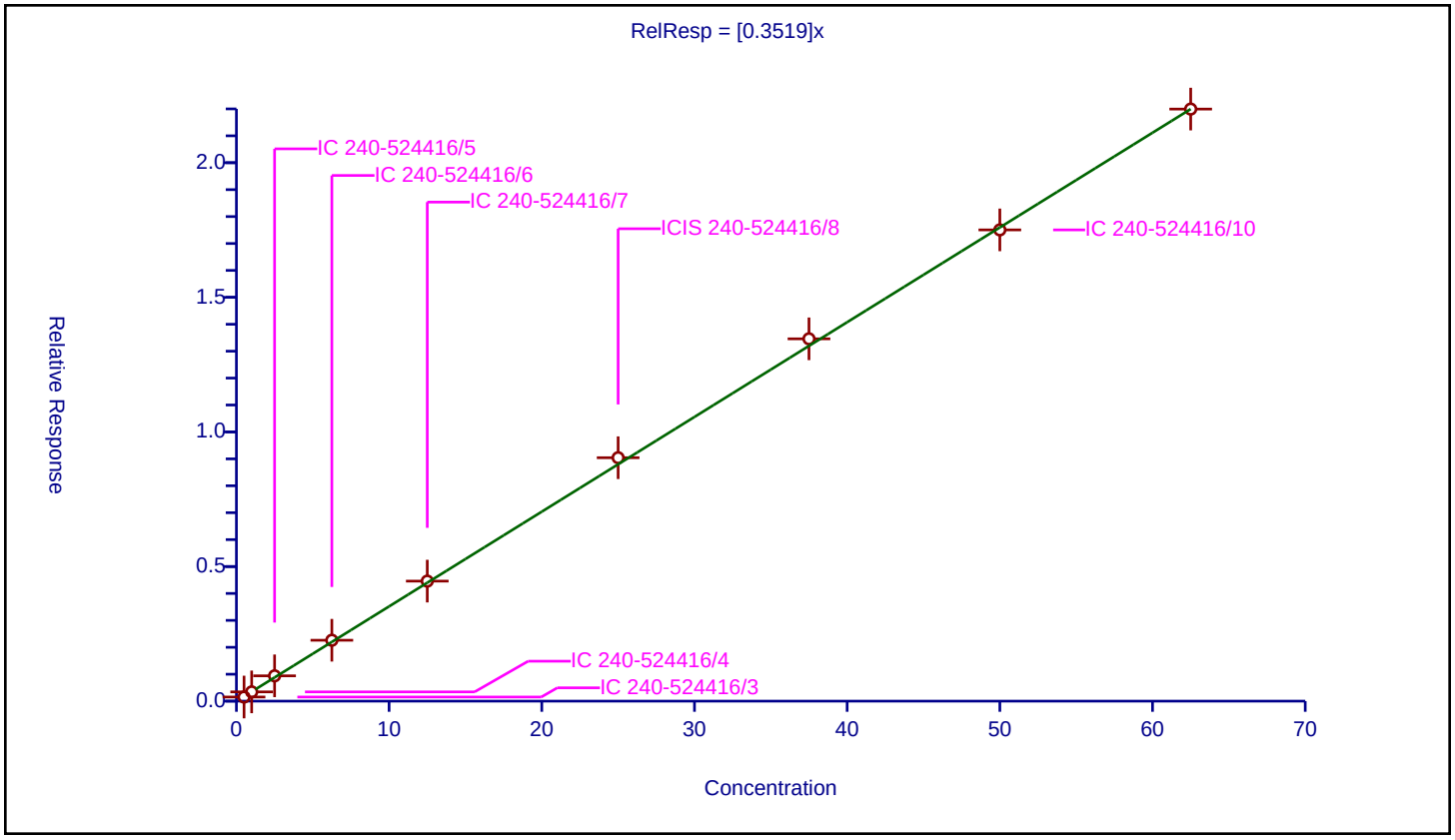
Curve Coefficients

Intercept:	0
Slope:	0.3519

Error Coefficients

Standard Error:	563000
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	IC 240-524416/3	0.5	0.153253	28.9	1127312.0	0.306506	Y
2	IC 240-524416/4	1.0	0.34338	28.9	1156405.0	0.34338	Y
3	IC 240-524416/5	2.5	0.940117	28.9	1153458.0	0.376047	Y
4	IC 240-524416/6	6.25	2.262175	28.9	1212122.0	0.361948	Y
5	IC 240-524416/7	12.5	4.458154	28.9	1274350.0	0.356652	Y
6	ICIS 240-524416/8	25.0	9.042133	28.9	1311546.0	0.361685	Y
7	IC 240-524416/9	37.5	13.458744	28.9	1356842.0	0.3589	Y
8	IC 240-524416/10	50.0	17.505325	28.9	1412270.0	0.350106	Y
9	IC 240-524416/11	62.5	21.993504	28.9	1434025.0	0.351896	Y



Calibration / Benzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

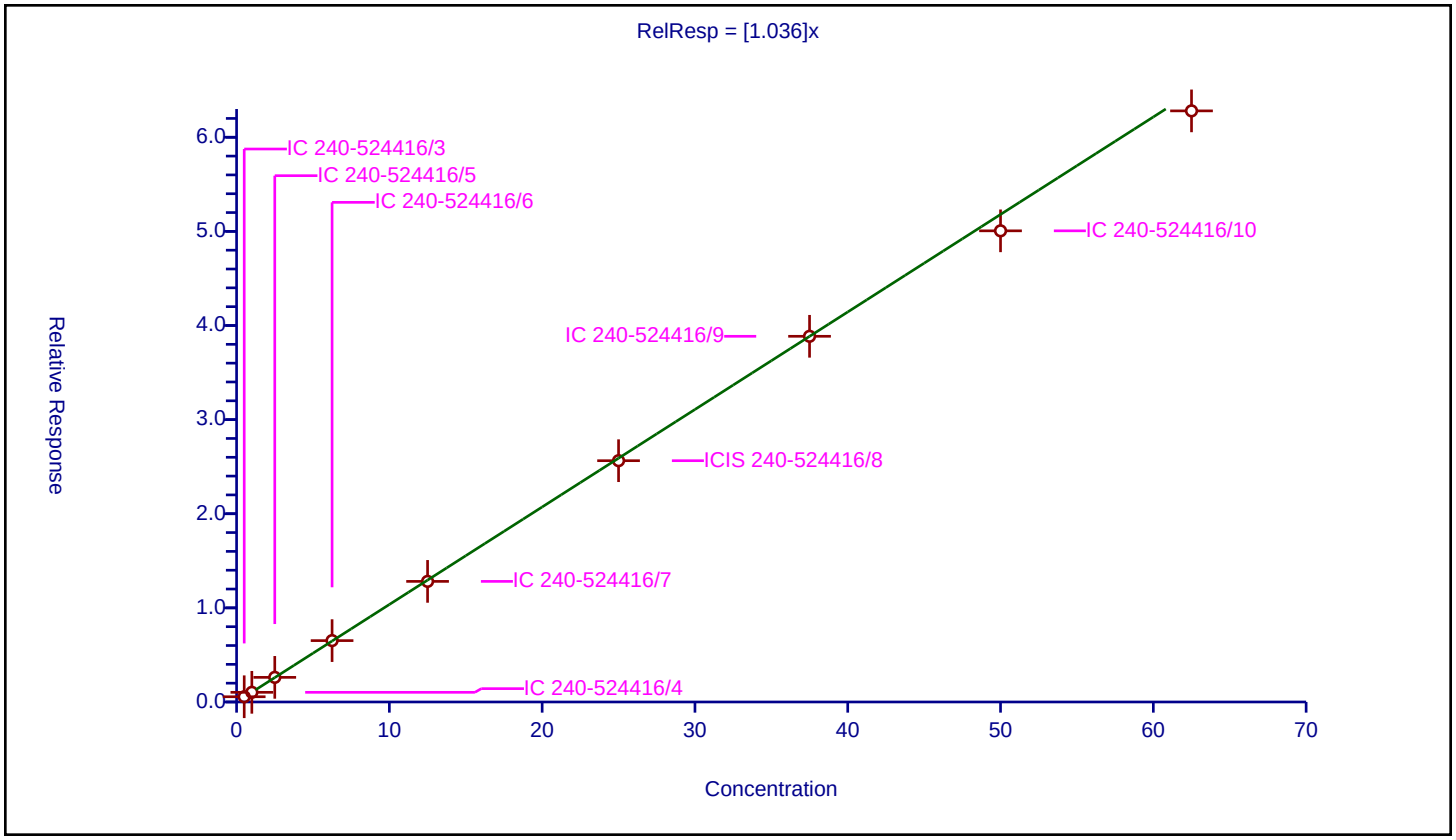
Curve Coefficients

Intercept:	0
Slope:	1.036

Error Coefficients

Standard Error:	1610000
Relative Standard Error:	3.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.556613	28.9	1127312.0	1.113227	Y
2	IC 240-524416/4	1.0	1.028215	28.9	1156405.0	1.028215	Y
3	IC 240-524416/5	2.5	2.615326	28.9	1153458.0	1.04613	Y
4	IC 240-524416/6	6.25	6.521373	28.9	1212122.0	1.04342	Y
5	IC 240-524416/7	12.5	12.812451	28.9	1274350.0	1.024996	Y
6	ICIS 240-524416/8	25.0	25.636387	28.9	1311546.0	1.025455	Y
7	IC 240-524416/9	37.5	38.853216	28.9	1356842.0	1.036086	Y
8	IC 240-524416/10	50.0	50.057263	28.9	1412270.0	1.001145	Y
9	IC 240-524416/11	62.5	62.80183	28.9	1434025.0	1.004829	Y



Calibration / 1,2-Dichloroethane-d4 (Surr)

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

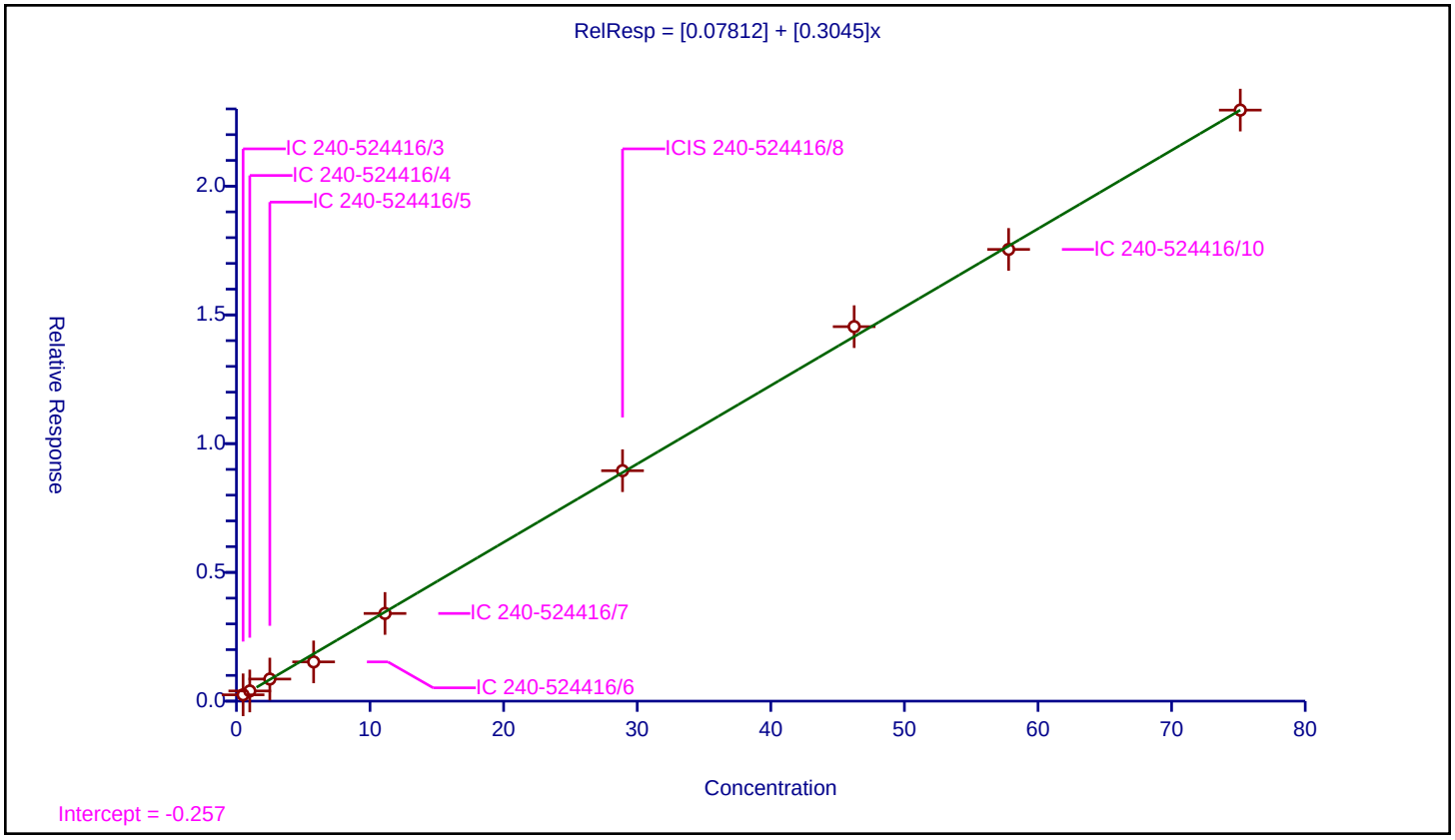
Curve Coefficients

Intercept:	0.07812
Slope:	0.3045

Error Coefficients

Standard Error:	620000
Relative Standard Error:	8.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.245723	28.9	1127312.0	0.491446	Y
2	IC 240-524416/4	1.0	0.395336	28.9	1156405.0	0.395336	Y
3	IC 240-524416/5	2.5	0.857962	28.9	1153458.0	0.343185	Y
4	IC 240-524416/6	5.78	1.524131	28.9	1212122.0	0.26369	Y
5	IC 240-524416/7	11.12	3.405113	28.9	1274350.0	0.306215	Y
6	ICIS 240-524416/8	28.9	8.950004	28.9	1311546.0	0.309689	Y
7	IC 240-524416/9	46.24	14.543739	28.9	1356842.0	0.314527	Y
8	IC 240-524416/10	57.8	17.543284	28.9	1412270.0	0.303517	Y
9	IC 240-524416/11	75.14	22.953274	28.9	1434025.0	0.305473	Y



Calibration / Isobutyl alcohol

Curve Type:	Quadratic
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

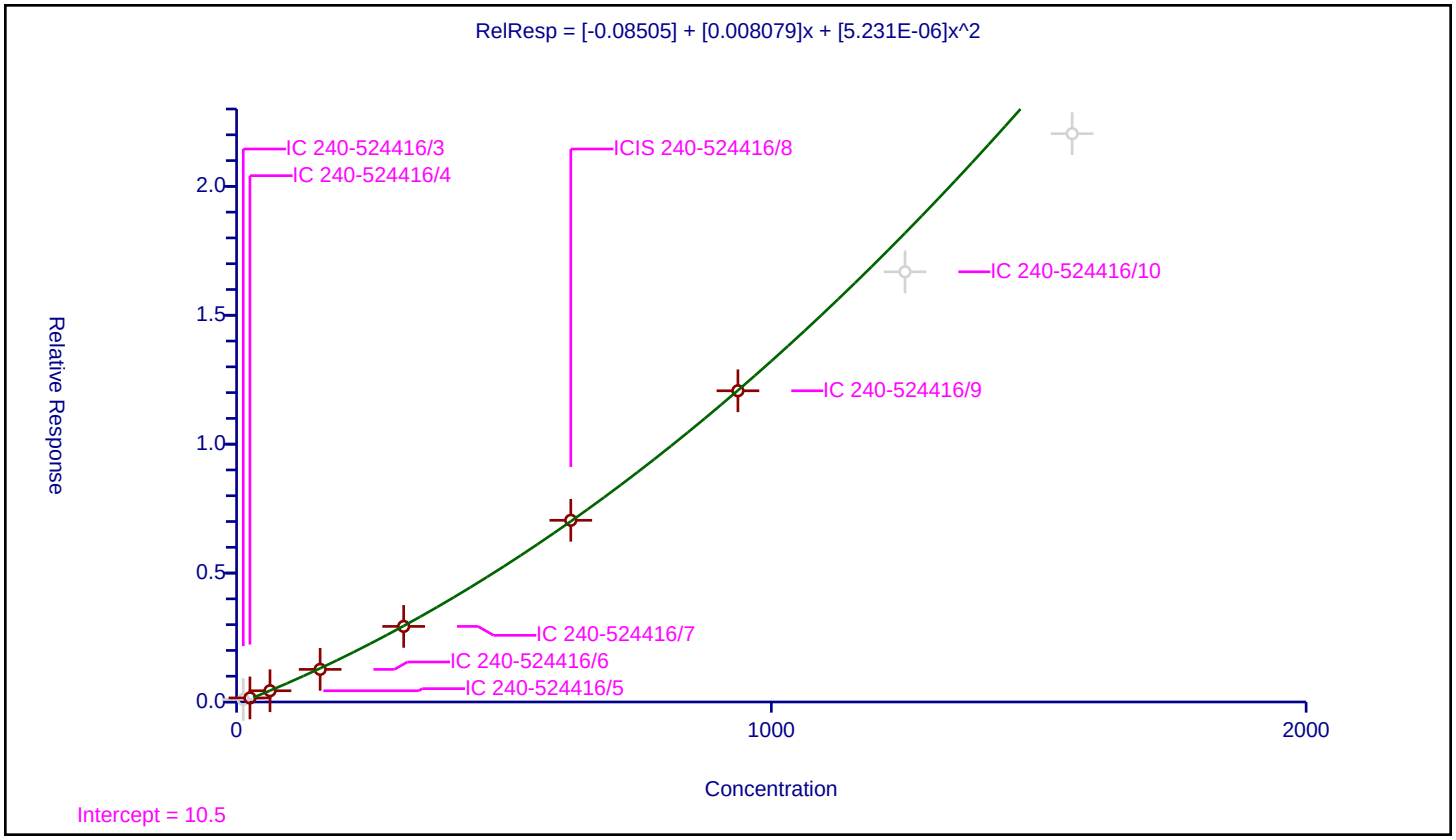
Curve Coefficients

Intercept:	-0.08505
Slope:	0.008079
Second Order:	5.231E-06

Error Coefficients

Standard Error:	384000
Relative Standard Error:	10.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	12.5	0.098212	28.9	1127312.0	0.007857	N
2	IC 240-524416/4	25.0	0.15752	28.9	1156405.0	0.006301	Y
3	IC 240-524416/5	62.5	0.436084	28.9	1153458.0	0.006977	Y
4	IC 240-524416/6	156.25	1.264415	28.9	1212122.0	0.008092	Y
5	IC 240-524416/7	312.5	2.932295	28.9	1274350.0	0.009383	Y
6	ICIS 240-524416/8	625.0	7.047717	28.9	1311546.0	0.011276	Y
7	IC 240-524416/9	937.5	12.071639	28.9	1356842.0	0.012876	Y
8	IC 240-524416/10	1250.0	16.6866	28.9	1412270.0	0.013349	N
9	IC 240-524416/11	1562.5	22.043464	28.9	1434025.0	0.014108	N



Calibration / 1,2-Dichloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

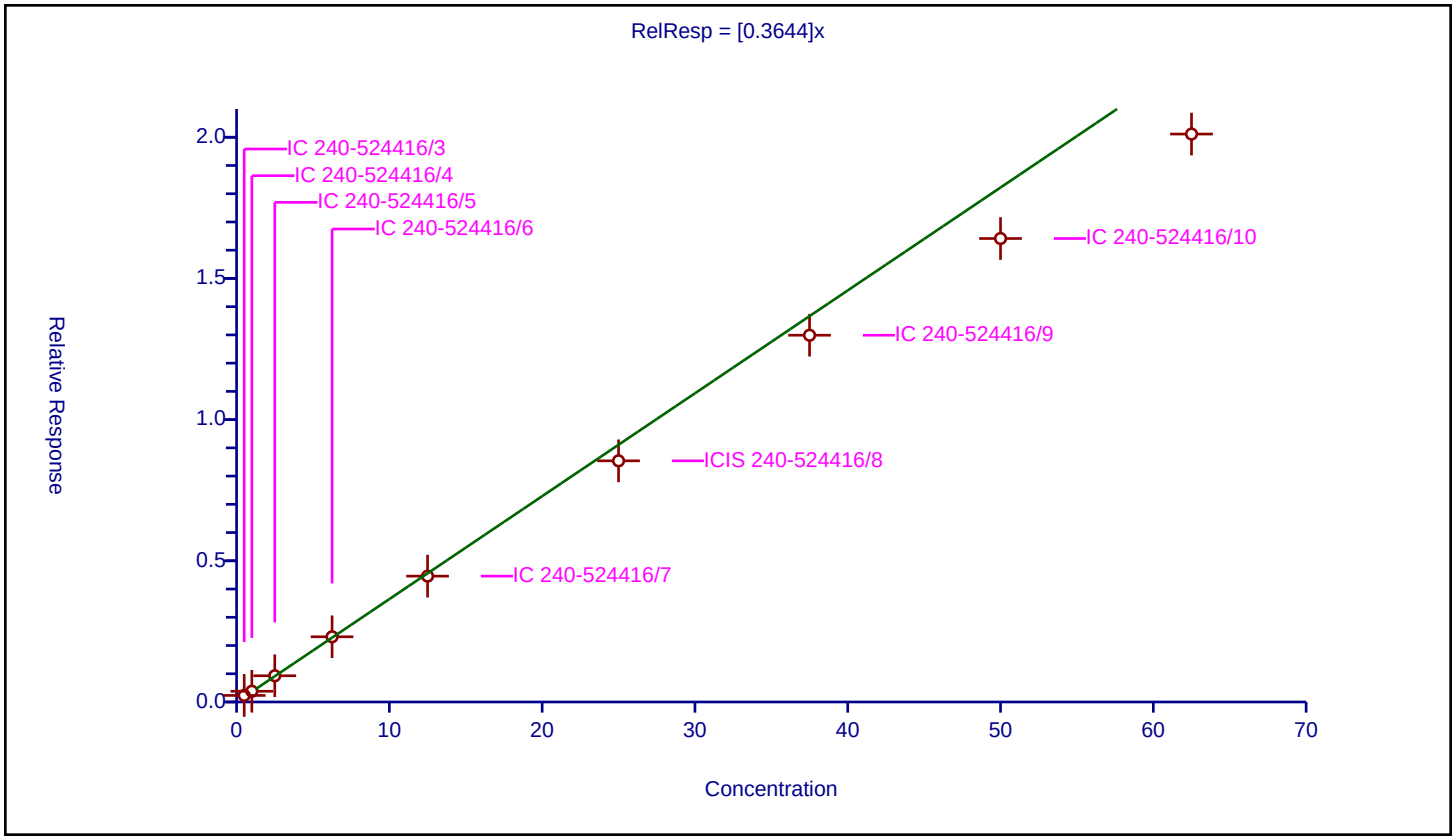
Curve Coefficients

Intercept:	0
Slope:	0.3644

Error Coefficients

Standard Error:	526000
Relative Standard Error:	11.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.231956	28.9	1127312.0	0.463913	Y
2	IC 240-524416/4	1.0	0.380092	28.9	1156405.0	0.380092	Y
3	IC 240-524416/5	2.5	0.928542	28.9	1153458.0	0.371417	Y
4	IC 240-524416/6	6.25	2.309288	28.9	1212122.0	0.369486	Y
5	IC 240-524416/7	12.5	4.45668	28.9	1274350.0	0.356534	Y
6	ICIS 240-524416/8	25.0	8.540945	28.9	1311546.0	0.341638	Y
7	IC 240-524416/9	37.5	12.988687	28.9	1356842.0	0.346365	Y
8	IC 240-524416/10	50.0	16.41419	28.9	1412270.0	0.328284	Y
9	IC 240-524416/11	62.5	20.113142	28.9	1434025.0	0.32181	Y



Calibration / n-Heptane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

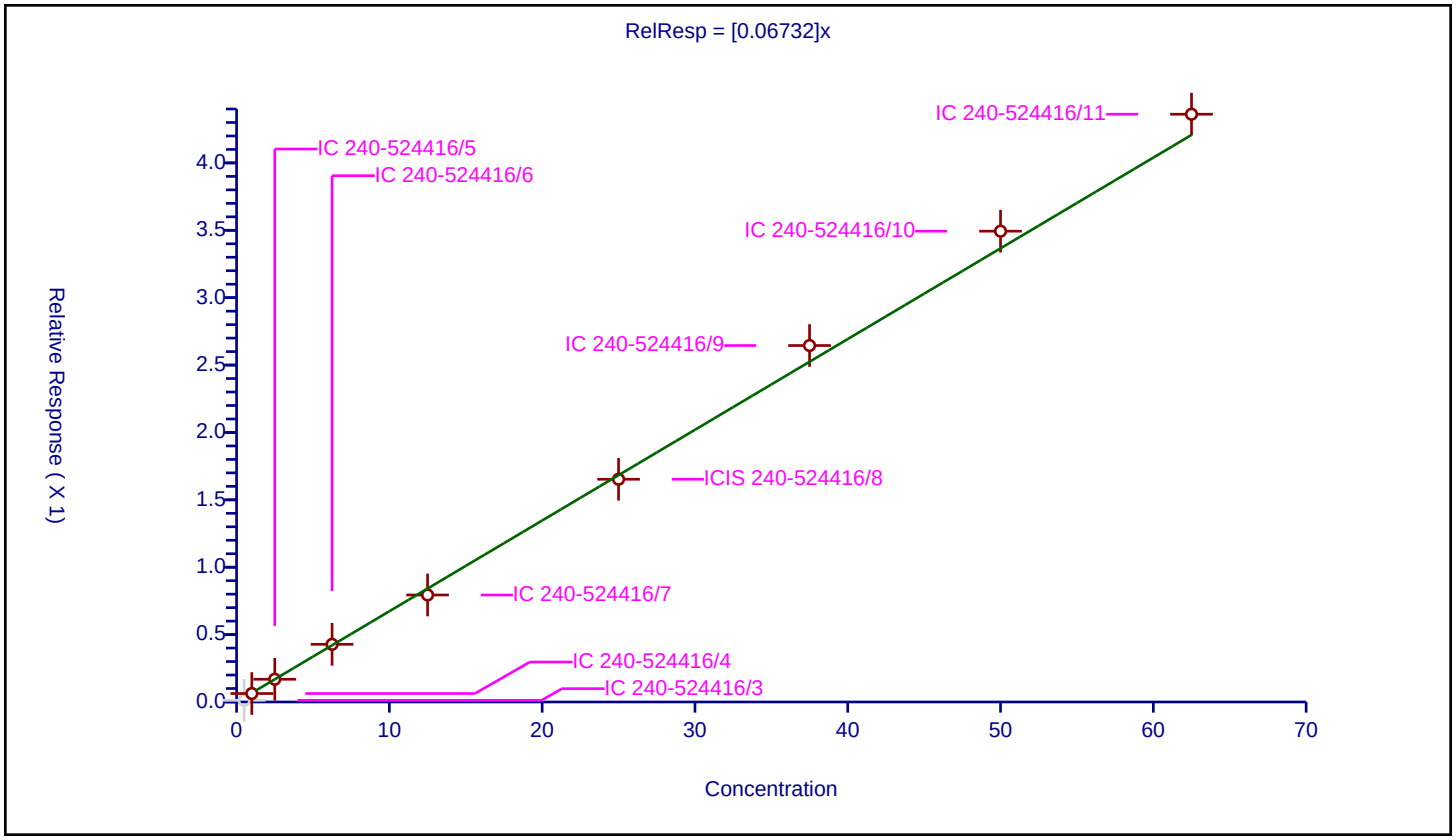
Curve Coefficients

Intercept:	0
Slope:	0.06732

Error Coefficients

Standard Error:	119000
Relative Standard Error:	4.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.012485	28.9	1127312.0	0.02497	N
2	IC 240-524416/4	1.0	0.062853	28.9	1156405.0	0.062853	Y
3	IC 240-524416/5	2.5	0.168621	28.9	1153458.0	0.067448	Y
4	IC 240-524416/6	6.25	0.42783	28.9	1212122.0	0.068453	Y
5	IC 240-524416/7	12.5	0.793987	28.9	1274350.0	0.063519	Y
6	ICIS 240-524416/8	25.0	1.652762	28.9	1311546.0	0.06611	Y
7	IC 240-524416/9	37.5	2.645158	28.9	1356842.0	0.070538	Y
8	IC 240-524416/10	50.0	3.49353	28.9	1412270.0	0.069871	Y
9	IC 240-524416/11	62.5	4.361426	28.9	1434025.0	0.069783	Y



Calibration / Trichloroethene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

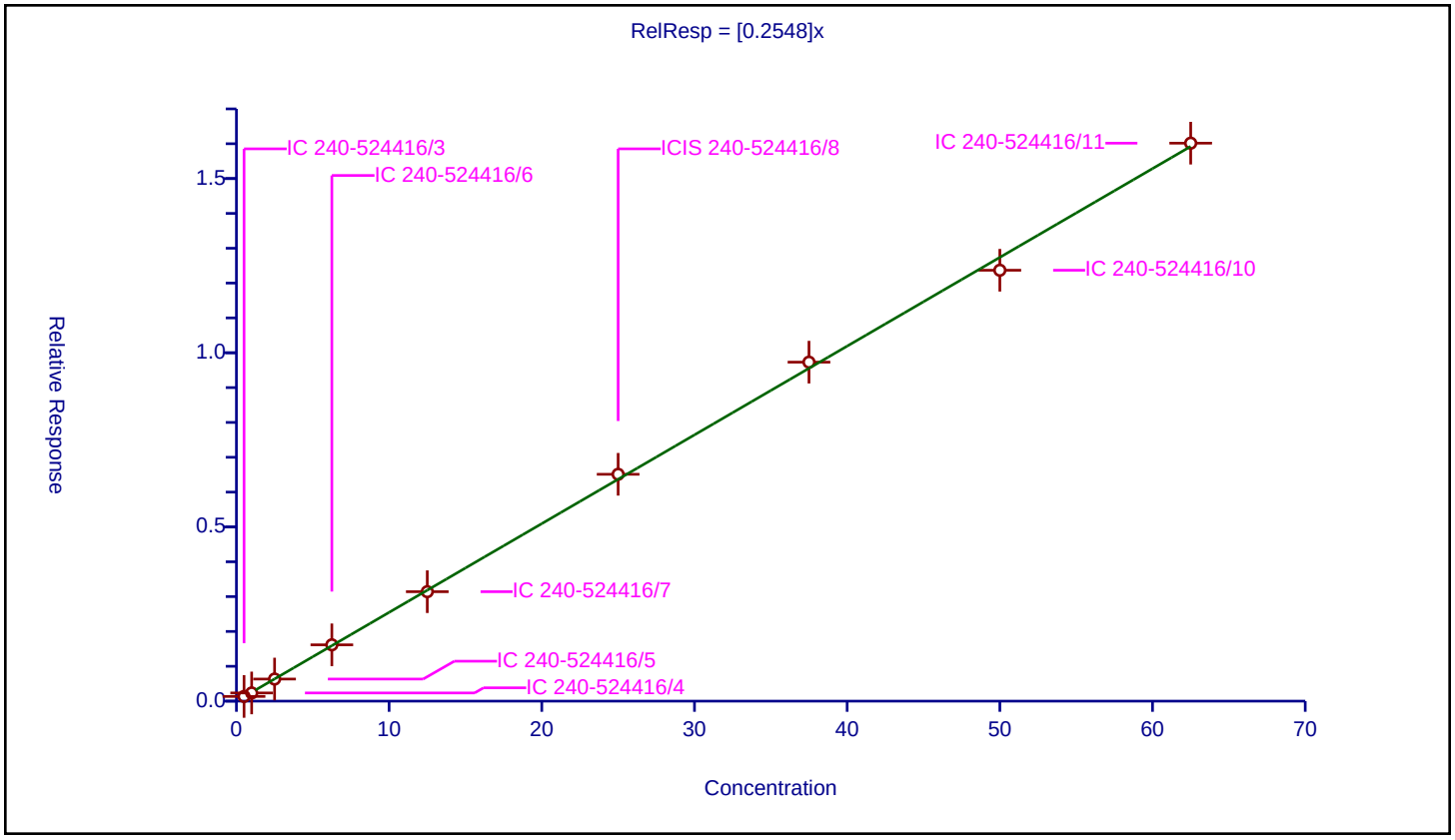
Curve Coefficients

Intercept:	0
Slope:	0.2548

Error Coefficients

Standard Error:	406000
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	IC 240-524416/3	0.5	0.135308	28.9	1127312.0	0.270616	Y
2	IC 240-524416/4	1.0	0.234943	28.9	1156405.0	0.234943	Y
3	IC 240-524416/5	2.5	0.63437	28.9	1153458.0	0.253748	Y
4	IC 240-524416/6	6.25	1.616568	28.9	1212122.0	0.258651	Y
5	IC 240-524416/7	12.5	3.141456	28.9	1274350.0	0.251316	Y
6	ICIS 240-524416/8	25.0	6.511934	28.9	1311546.0	0.260477	Y
7	IC 240-524416/9	37.5	9.729976	28.9	1356842.0	0.259466	Y
8	IC 240-524416/10	50.0	12.368411	28.9	1412270.0	0.247368	Y
9	IC 240-524416/11	62.5	16.015843	28.9	1434025.0	0.256253	Y



Calibration / Methylcyclohexane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

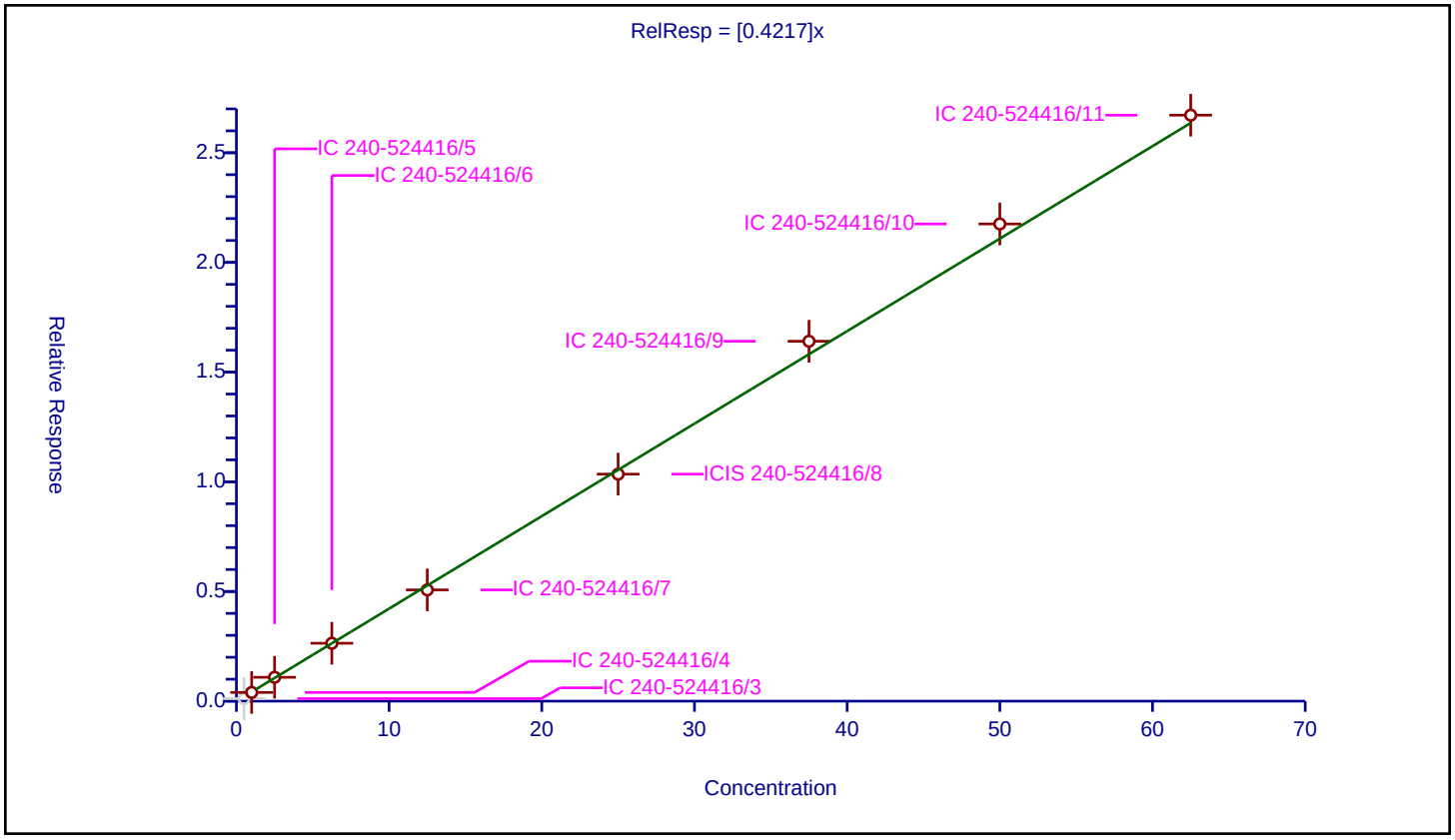
Curve Coefficients

Intercept:	0
Slope:	0.4217

Error Coefficients

Standard Error:	733000
Relative Standard Error:	3.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.116337	28.9	1127312.0	0.232674	N
2	IC 240-524416/4	1.0	0.396836	28.9	1156405.0	0.396836	Y
3	IC 240-524416/5	2.5	1.08704	28.9	1153458.0	0.434816	Y
4	IC 240-524416/6	6.25	2.638862	28.9	1212122.0	0.422218	Y
5	IC 240-524416/7	12.5	5.071578	28.9	1274350.0	0.405726	Y
6	ICIS 240-524416/8	25.0	10.349098	28.9	1311546.0	0.413964	Y
7	IC 240-524416/9	37.5	16.406675	28.9	1356842.0	0.437511	Y
8	IC 240-524416/10	50.0	21.754572	28.9	1412270.0	0.435091	Y
9	IC 240-524416/11	62.5	26.713292	28.9	1434025.0	0.427413	Y



Calibration / 1,2-Dichloropropane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

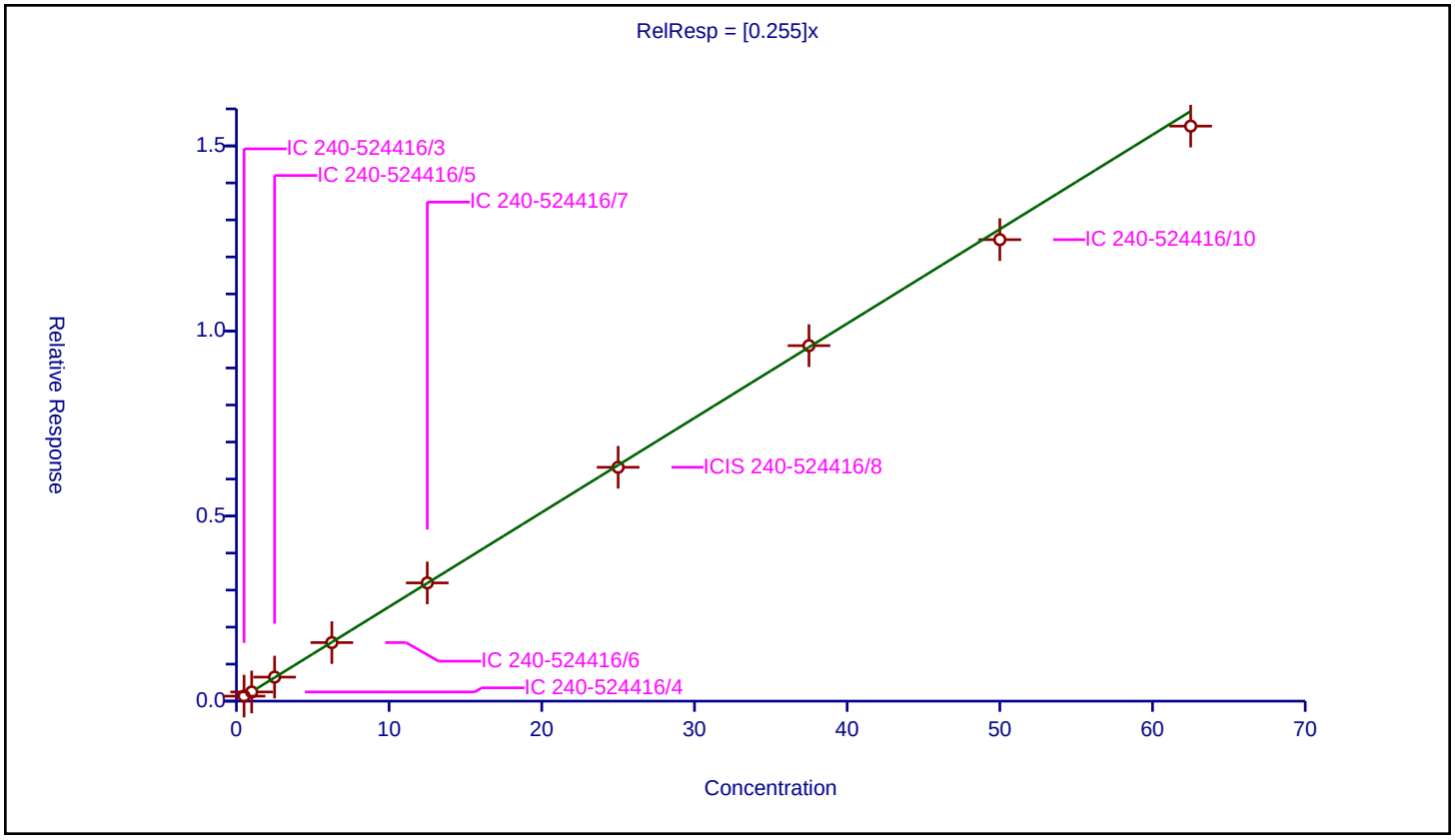
Curve Coefficients

Intercept:	0
Slope:	0.255

Error Coefficients

Standard Error:	399000
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	IC 240-524416/3	0.5	0.135821	28.9	1127312.0	0.271641	Y
2	IC 240-524416/4	1.0	0.248188	28.9	1156405.0	0.248188	Y
3	IC 240-524416/5	2.5	0.649228	28.9	1153458.0	0.259691	Y
4	IC 240-524416/6	6.25	1.582163	28.9	1212122.0	0.253146	Y
5	IC 240-524416/7	12.5	3.194228	28.9	1274350.0	0.255538	Y
6	ICIS 240-524416/8	25.0	6.318246	28.9	1311546.0	0.25273	Y
7	IC 240-524416/9	37.5	9.604118	28.9	1356842.0	0.25611	Y
8	IC 240-524416/10	50.0	12.46684	28.9	1412270.0	0.249337	Y
9	IC 240-524416/11	62.5	15.534749	28.9	1434025.0	0.248556	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

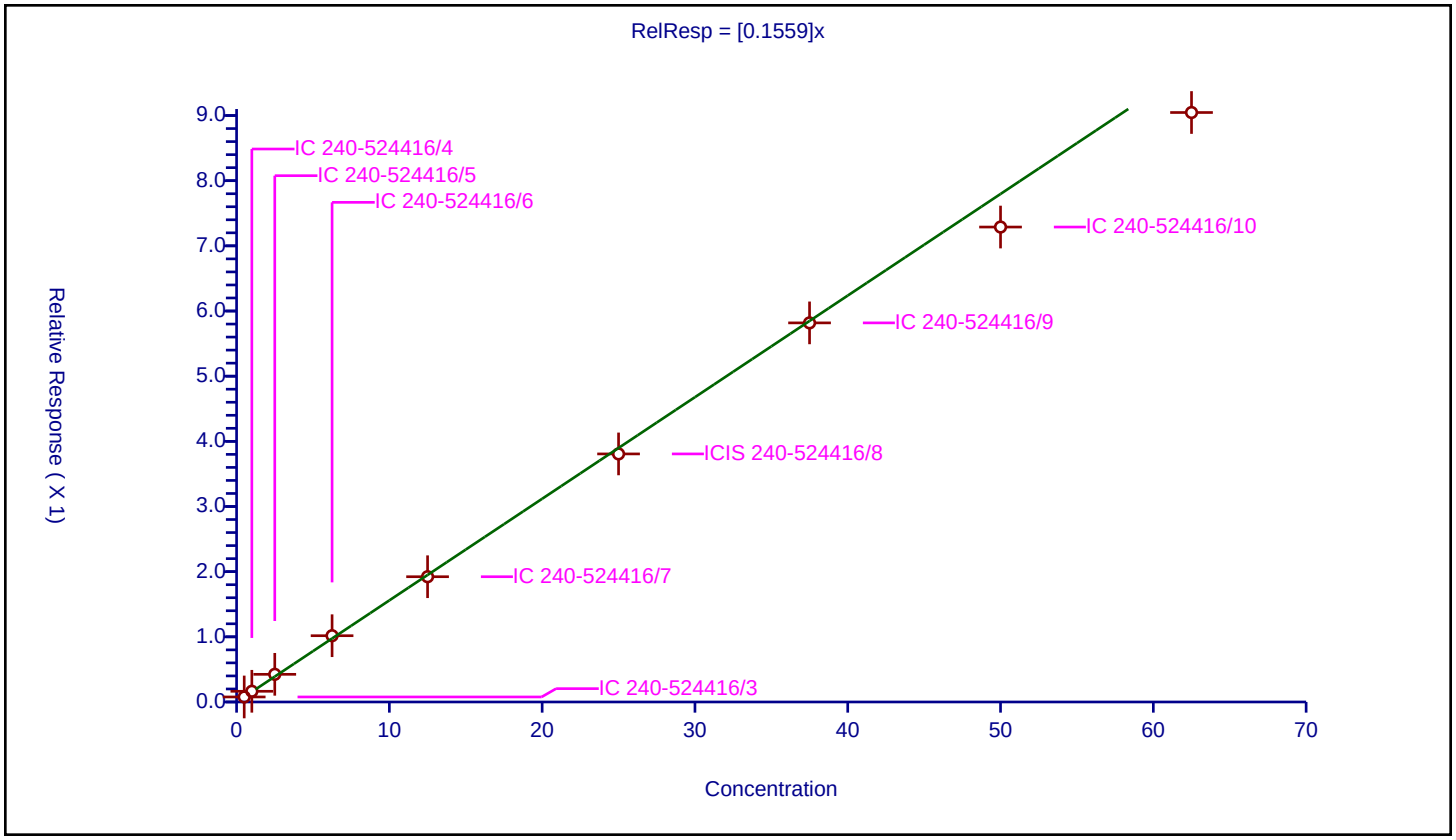
Curve Coefficients

Intercept:	0
Slope:	0.1559

Error Coefficients

Standard Error:	235000
Relative Standard Error:	5.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.077319	28.9	1127312.0	0.154638	Y
2	IC 240-524416/4	1.0	0.164417	28.9	1156405.0	0.164417	Y
3	IC 240-524416/5	2.5	0.424483	28.9	1153458.0	0.169793	Y
4	IC 240-524416/6	6.25	1.017335	28.9	1212122.0	0.162774	Y
5	IC 240-524416/7	12.5	1.922275	28.9	1274350.0	0.153782	Y
6	ICIS 240-524416/8	25.0	3.80702	28.9	1311546.0	0.152281	Y
7	IC 240-524416/9	37.5	5.817798	28.9	1356842.0	0.155141	Y
8	IC 240-524416/10	50.0	7.288856	28.9	1412270.0	0.145777	Y
9	IC 240-524416/11	62.5	9.046207	28.9	1434025.0	0.144739	Y



Calibration / 1,4-Dioxane

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

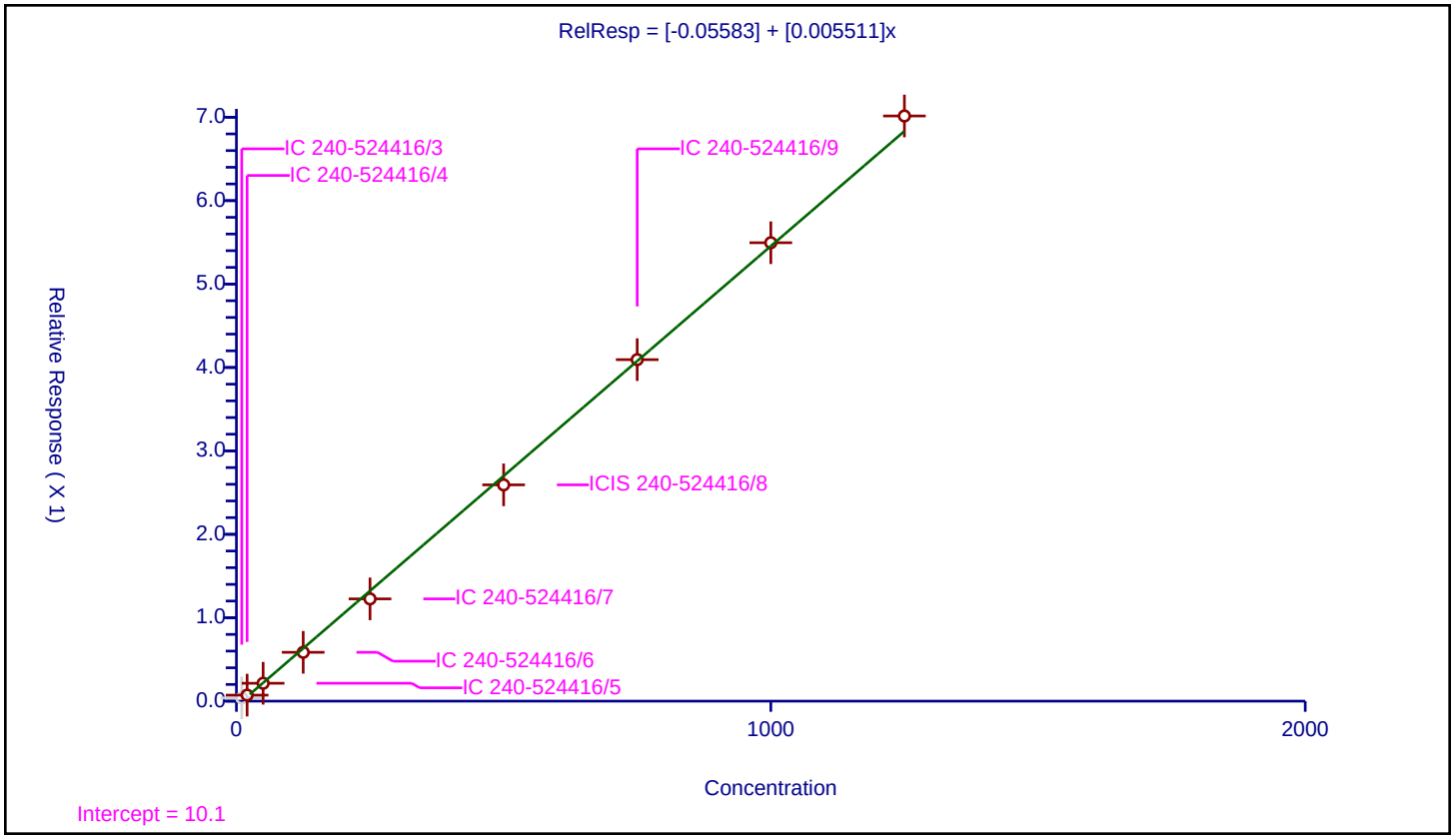
Curve Coefficients

Intercept:	-0.05583
Slope:	0.005511

Error Coefficients

Standard Error:	203000
Relative Standard Error:	7.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	10.0	0.038711	28.9	1127312.0	0.003871	N
2	IC 240-524416/4	20.0	0.071975	28.9	1156405.0	0.003599	Y
3	IC 240-524416/5	50.0	0.214346	28.9	1153458.0	0.004287	Y
4	IC 240-524416/6	125.0	0.585428	28.9	1212122.0	0.004683	Y
5	IC 240-524416/7	250.0	1.225894	28.9	1274350.0	0.004904	Y
6	ICIS 240-524416/8	500.0	2.592734	28.9	1311546.0	0.005185	Y
7	IC 240-524416/9	750.0	4.093841	28.9	1356842.0	0.005458	Y
8	IC 240-524416/10	1000.0	5.495434	28.9	1412270.0	0.005495	Y
9	IC 240-524416/11	1250.0	7.01494	28.9	1434025.0	0.005612	Y



Calibration / Dichlorobromomethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

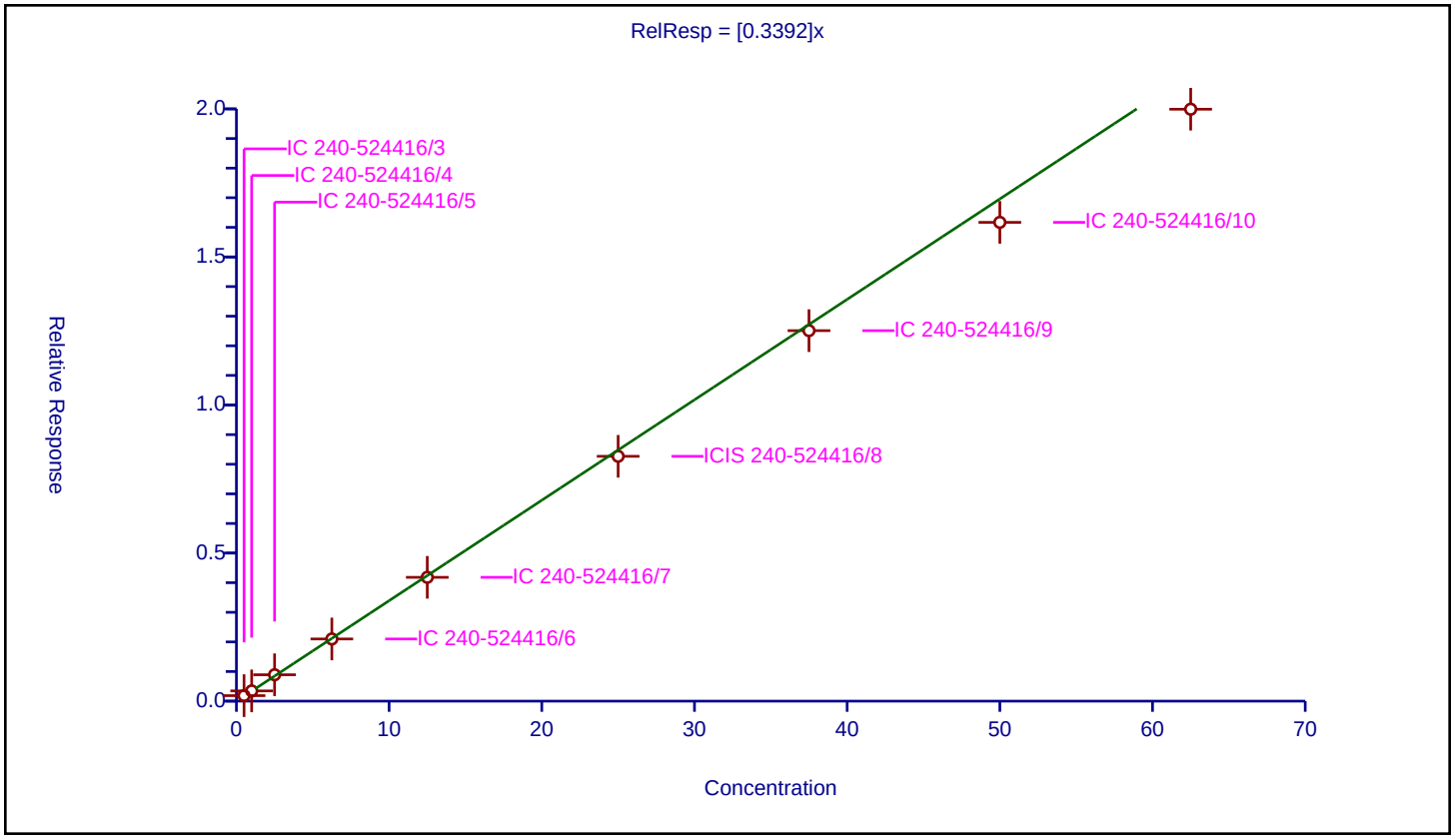
Curve Coefficients

Intercept:	0
Slope:	0.3392

Error Coefficients

Standard Error:	517000
Relative Standard Error:	4.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.186068	28.9	1127312.0	0.372135	Y
2	IC 240-524416/4	1.0	0.346254	28.9	1156405.0	0.346254	Y
3	IC 240-524416/5	2.5	0.890558	28.9	1153458.0	0.356223	Y
4	IC 240-524416/6	6.25	2.099378	28.9	1212122.0	0.335901	Y
5	IC 240-524416/7	12.5	4.181344	28.9	1274350.0	0.334507	Y
6	ICIS 240-524416/8	25.0	8.268349	28.9	1311546.0	0.330734	Y
7	IC 240-524416/9	37.5	12.511536	28.9	1356842.0	0.333641	Y
8	IC 240-524416/10	50.0	16.168812	28.9	1412270.0	0.323376	Y
9	IC 240-524416/11	62.5	19.989221	28.9	1434025.0	0.319828	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

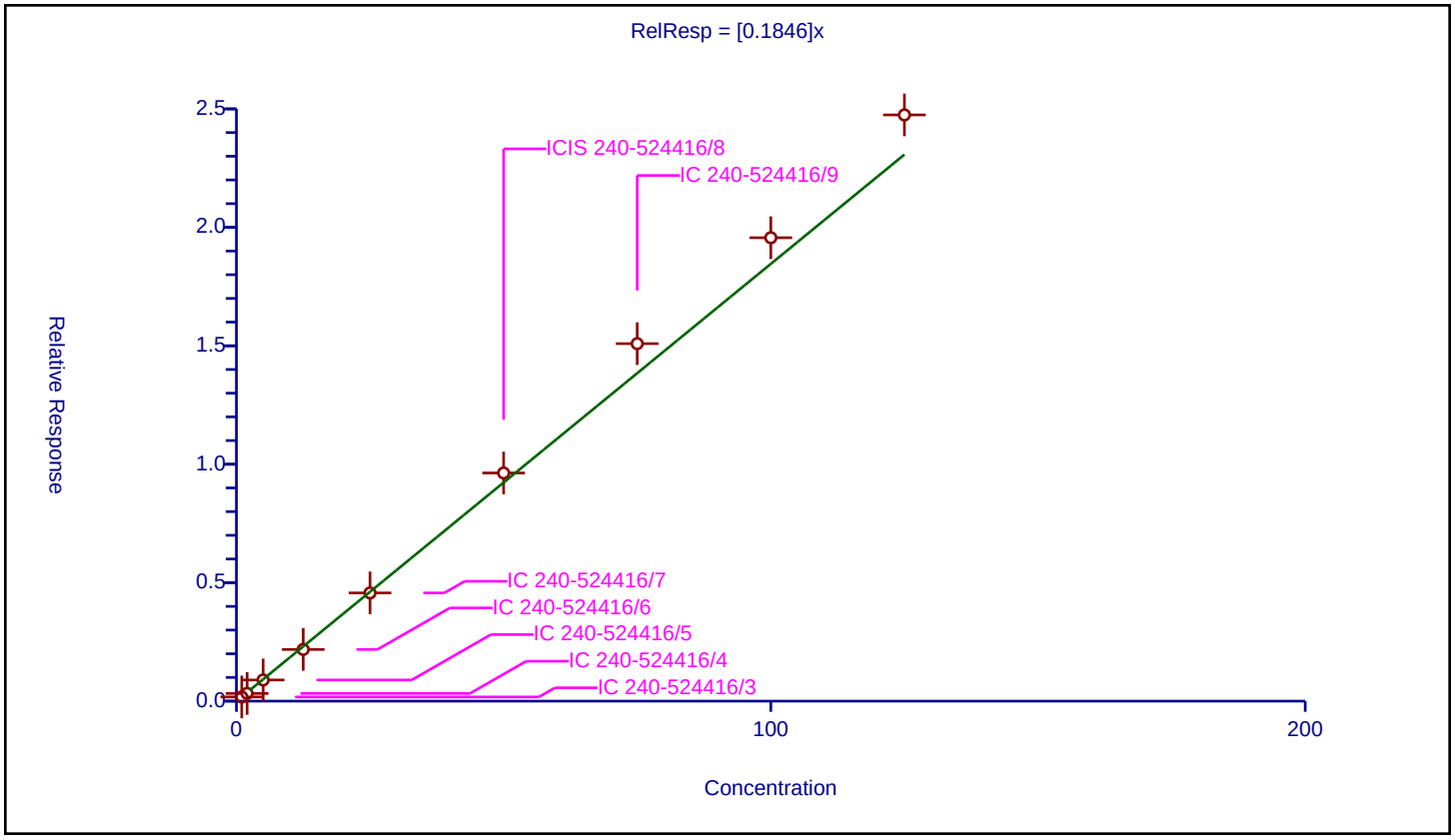
Curve Coefficients

Intercept:	0
Slope:	0.1846

Error Coefficients

Standard Error:	629000
Relative Standard Error:	7.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	1.0	0.175659	28.9	1127312.0	0.175659	Y
2	IC 240-524416/4	2.0	0.324461	28.9	1156405.0	0.162231	Y
3	IC 240-524416/5	5.0	0.893214	28.9	1153458.0	0.178643	Y
4	IC 240-524416/6	12.5	2.181754	28.9	1212122.0	0.17454	Y
5	IC 240-524416/7	25.0	4.567509	28.9	1274350.0	0.1827	Y
6	ICIS 240-524416/8	50.0	9.630909	28.9	1311546.0	0.192618	Y
7	IC 240-524416/9	75.0	15.090539	28.9	1356842.0	0.201207	Y
8	IC 240-524416/10	100.0	19.562092	28.9	1412270.0	0.195621	Y
9	IC 240-524416/11	125.0	24.745405	28.9	1434025.0	0.197963	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

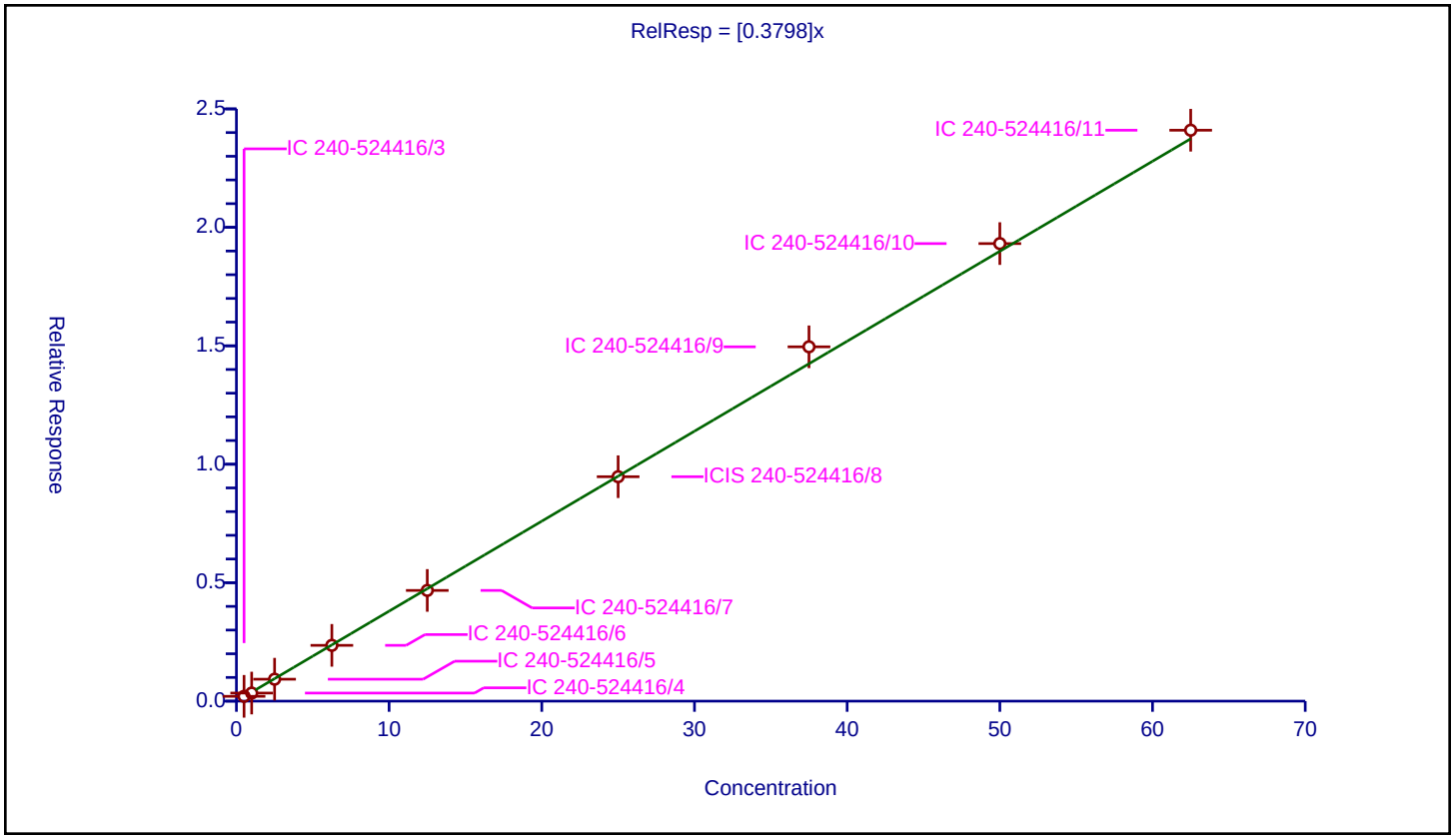
Curve Coefficients

Intercept:	0
Slope:	0.3798

Error Coefficients

Standard Error:	618000
Relative Standard Error:	4.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.203372	28.9	1127312.0	0.406744	Y
2	IC 240-524416/4	1.0	0.34118	28.9	1156405.0	0.34118	Y
3	IC 240-524416/5	2.5	0.92561	28.9	1153458.0	0.370244	Y
4	IC 240-524416/6	6.25	2.354374	28.9	1212122.0	0.3767	Y
5	IC 240-524416/7	12.5	4.673575	28.9	1274350.0	0.373886	Y
6	ICIS 240-524416/8	25.0	9.473249	28.9	1311546.0	0.37893	Y
7	IC 240-524416/9	37.5	14.957098	28.9	1356842.0	0.398856	Y
8	IC 240-524416/10	50.0	19.314258	28.9	1412270.0	0.386285	Y
9	IC 240-524416/11	62.5	24.099157	28.9	1434025.0	0.385587	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

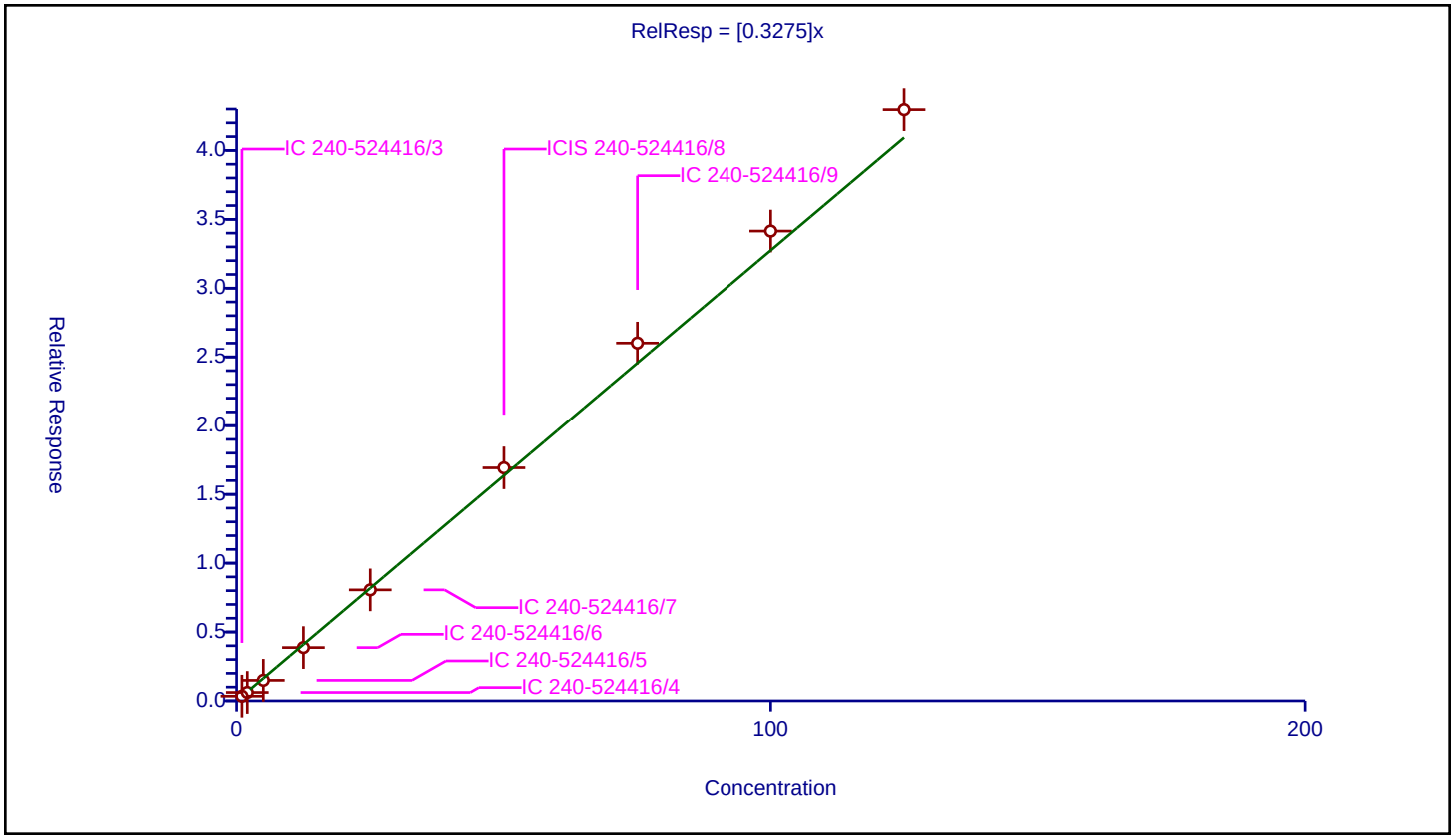
Curve Coefficients

Intercept:	0
Slope:	0.3275

Error Coefficients

Standard Error:	1090000
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	IC 240-524416/3	1.0	0.340449	28.9	1127312.0	0.340449	Y
2	IC 240-524416/4	2.0	0.611686	28.9	1156405.0	0.305843	Y
3	IC 240-524416/5	5.0	1.49178	28.9	1153458.0	0.298356	Y
4	IC 240-524416/6	12.5	3.868968	28.9	1212122.0	0.309517	Y
5	IC 240-524416/7	25.0	8.058323	28.9	1274350.0	0.322333	Y
6	ICIS 240-524416/8	50.0	16.931104	28.9	1311546.0	0.338622	Y
7	IC 240-524416/9	75.0	26.010558	28.9	1356842.0	0.346807	Y
8	IC 240-524416/10	100.0	34.14846	28.9	1412270.0	0.341485	Y
9	IC 240-524416/11	125.0	42.954768	28.9	1434025.0	0.343638	Y



Calibration / Toluene-d8 (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

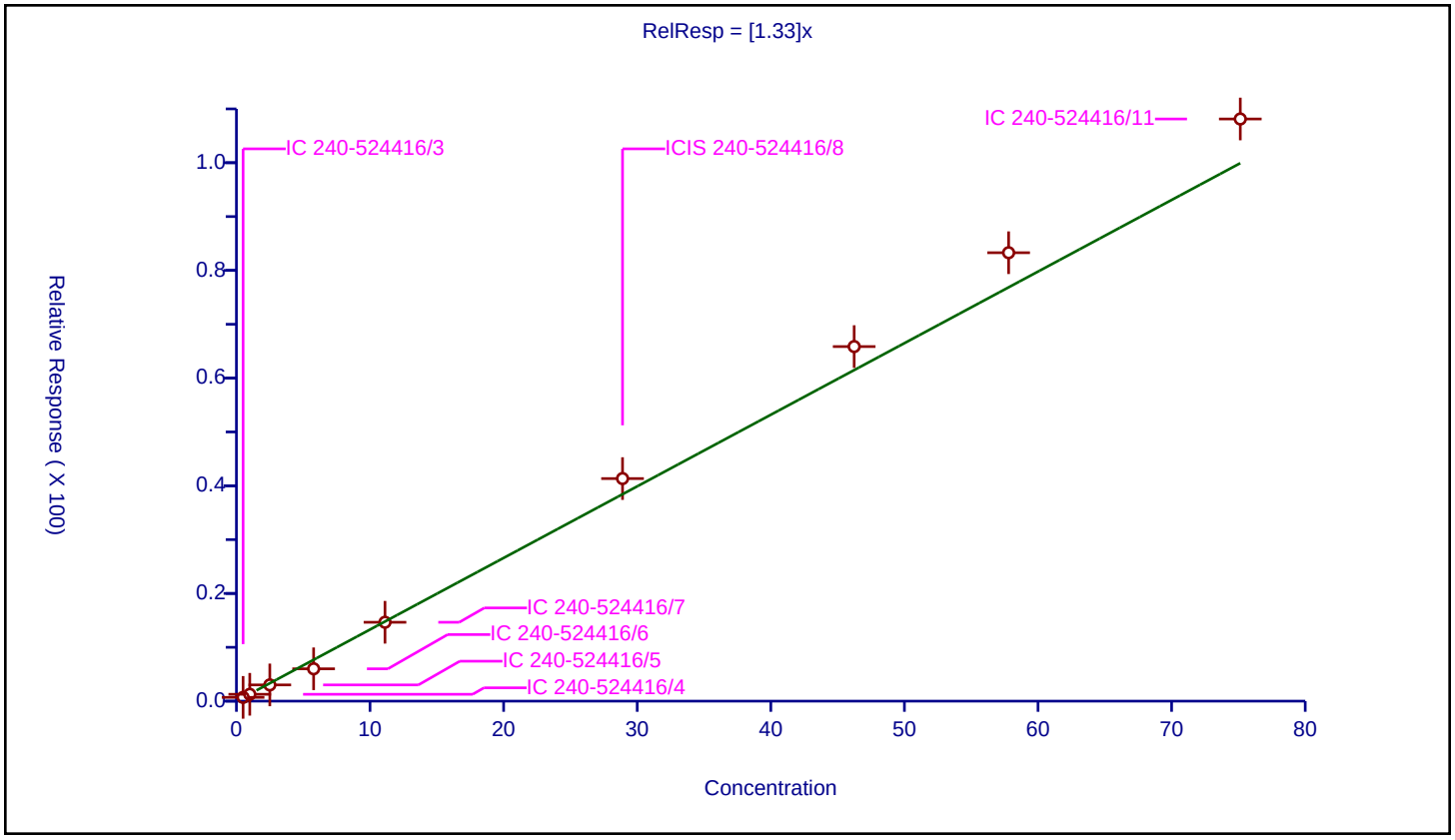
Curve Coefficients

Intercept:	0
Slope:	1.33

Error Coefficients

Standard Error:	1990000
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	IC 240-524416/3	0.5	0.699516	28.9	889827.0	1.399032	Y
2	IC 240-524416/4	1.0	1.271725	28.9	897798.0	1.271725	Y
3	IC 240-524416/5	2.5	3.013455	28.9	878761.0	1.205382	Y
4	IC 240-524416/6	5.78	6.008751	28.9	929571.0	1.039576	Y
5	IC 240-524416/7	11.12	14.651405	28.9	973519.0	1.317572	Y
6	ICIS 240-524416/8	28.9	41.336915	28.9	970370.0	1.430343	Y
7	IC 240-524416/9	46.24	65.855723	28.9	1007341.0	1.424215	Y
8	IC 240-524416/10	57.8	83.287	28.9	1037487.0	1.440952	Y
9	IC 240-524416/11	75.14	108.122976	28.9	1049043.0	1.438954	Y



Calibration / Toluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

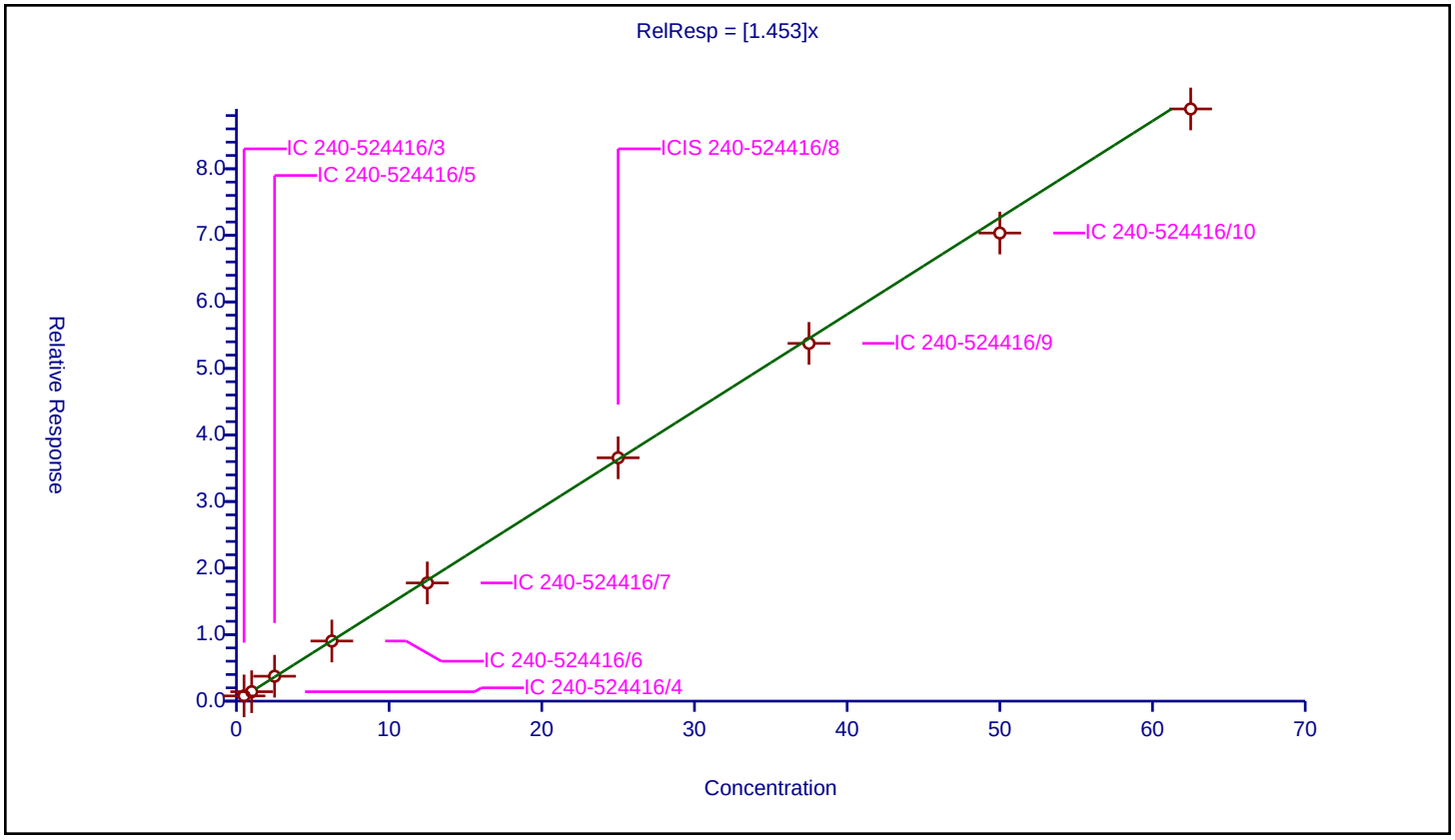
Curve Coefficients

Intercept:	0
Slope:	1.453

Error Coefficients

Standard Error:	1670000
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	IC 240-524416/3	0.5	0.784641	28.9	889827.0	1.569283	Y
2	IC 240-524416/4	1.0	1.416934	28.9	897798.0	1.416934	Y
3	IC 240-524416/5	2.5	3.743486	28.9	878761.0	1.497394	Y
4	IC 240-524416/6	6.25	9.034454	28.9	929571.0	1.445513	Y
5	IC 240-524416/7	12.5	17.759928	28.9	973519.0	1.420794	Y
6	ICIS 240-524416/8	25.0	36.568863	28.9	970370.0	1.462755	Y
7	IC 240-524416/9	37.5	53.763517	28.9	1007341.0	1.433694	Y
8	IC 240-524416/10	50.0	70.346128	28.9	1037487.0	1.406923	Y
9	IC 240-524416/11	62.5	88.989949	28.9	1049043.0	1.423839	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

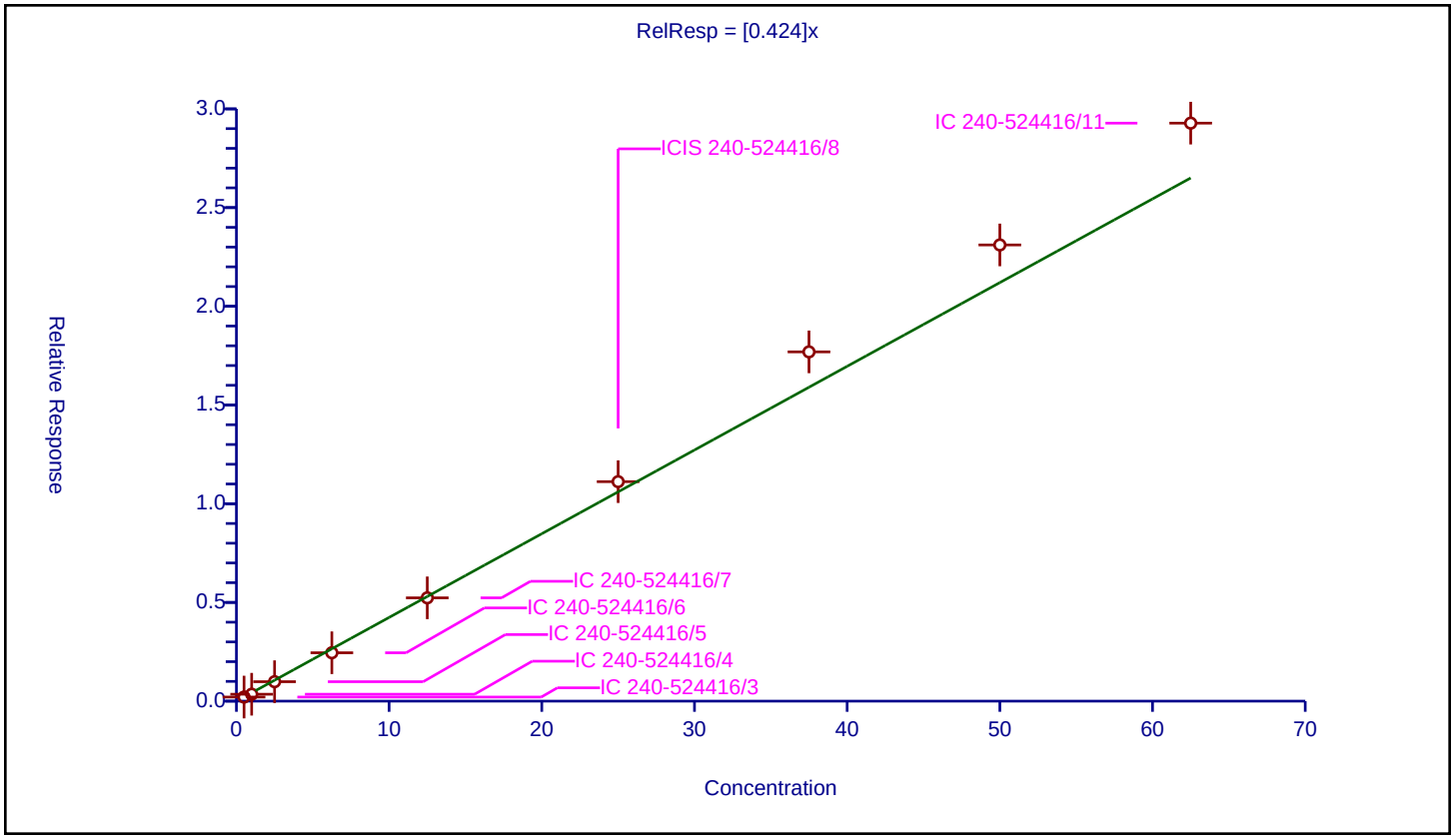
Curve Coefficients

Intercept:	0
Slope:	0.424

Error Coefficients

Standard Error:	545000
Relative Standard Error:	9.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.207341	28.9	889827.0	0.414682	Y
2	IC 240-524416/4	1.0	0.349679	28.9	897798.0	0.349679	Y
3	IC 240-524416/5	2.5	0.984906	28.9	878761.0	0.393962	Y
4	IC 240-524416/6	6.25	2.450048	28.9	929571.0	0.392008	Y
5	IC 240-524416/7	12.5	5.233128	28.9	973519.0	0.41865	Y
6	ICIS 240-524416/8	25.0	11.117522	28.9	970370.0	0.444701	Y
7	IC 240-524416/9	37.5	17.691457	28.9	1007341.0	0.471772	Y
8	IC 240-524416/10	50.0	23.108952	28.9	1037487.0	0.462179	Y
9	IC 240-524416/11	62.5	29.277723	28.9	1049043.0	0.468444	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

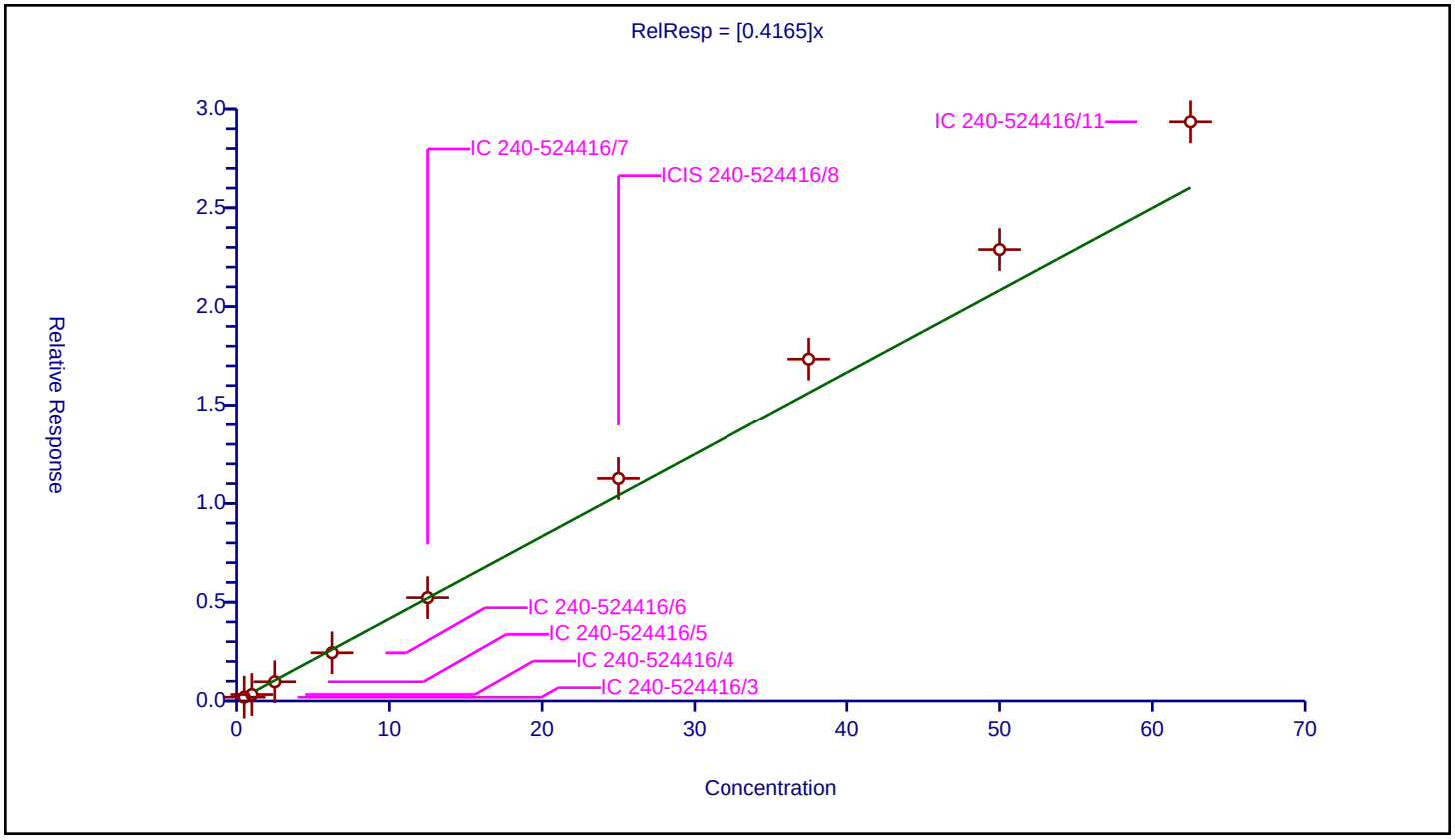
Curve Coefficients

Intercept:	0
Slope:	0.4165

Error Coefficients

Standard Error:	543000
Relative Standard Error:	11.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.192044	28.9	889827.0	0.384087	Y
2	IC 240-524416/4	1.0	0.326244	28.9	897798.0	0.326244	Y
3	IC 240-524416/5	2.5	0.972574	28.9	878761.0	0.389029	Y
4	IC 240-524416/6	6.25	2.440472	28.9	929571.0	0.390476	Y
5	IC 240-524416/7	12.5	5.229239	28.9	973519.0	0.418339	Y
6	ICIS 240-524416/8	25.0	11.26155	28.9	970370.0	0.450462	Y
7	IC 240-524416/9	37.5	17.340098	28.9	1007341.0	0.462403	Y
8	IC 240-524416/10	50.0	22.887917	28.9	1037487.0	0.457758	Y
9	IC 240-524416/11	62.5	29.353428	28.9	1049043.0	0.469655	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

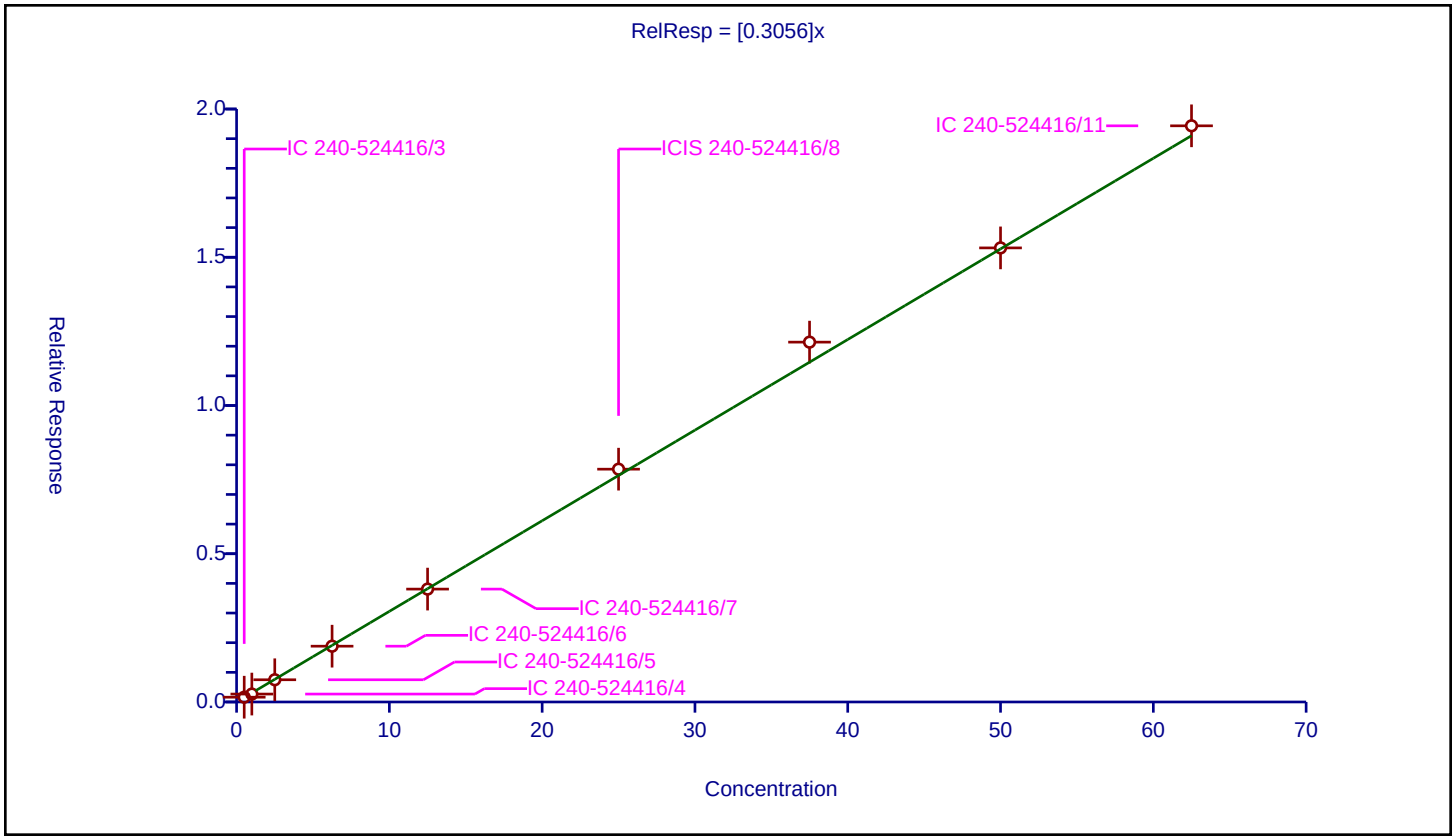
Curve Coefficients

Intercept:	0
Slope:	0.3056

Error Coefficients

Standard Error:	366000
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	IC 240-524416/3	0.5	0.161157	28.9	889827.0	0.322314	Y
2	IC 240-524416/4	1.0	0.267594	28.9	897798.0	0.267594	Y
3	IC 240-524416/5	2.5	0.749993	28.9	878761.0	0.299997	Y
4	IC 240-524416/6	6.25	1.881605	28.9	929571.0	0.301057	Y
5	IC 240-524416/7	12.5	3.807927	28.9	973519.0	0.304634	Y
6	ICIS 240-524416/8	25.0	7.852531	28.9	970370.0	0.314101	Y
7	IC 240-524416/9	37.5	12.137506	28.9	1007341.0	0.323667	Y
8	IC 240-524416/10	50.0	15.316217	28.9	1037487.0	0.306324	Y
9	IC 240-524416/11	62.5	19.433613	28.9	1049043.0	0.310938	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

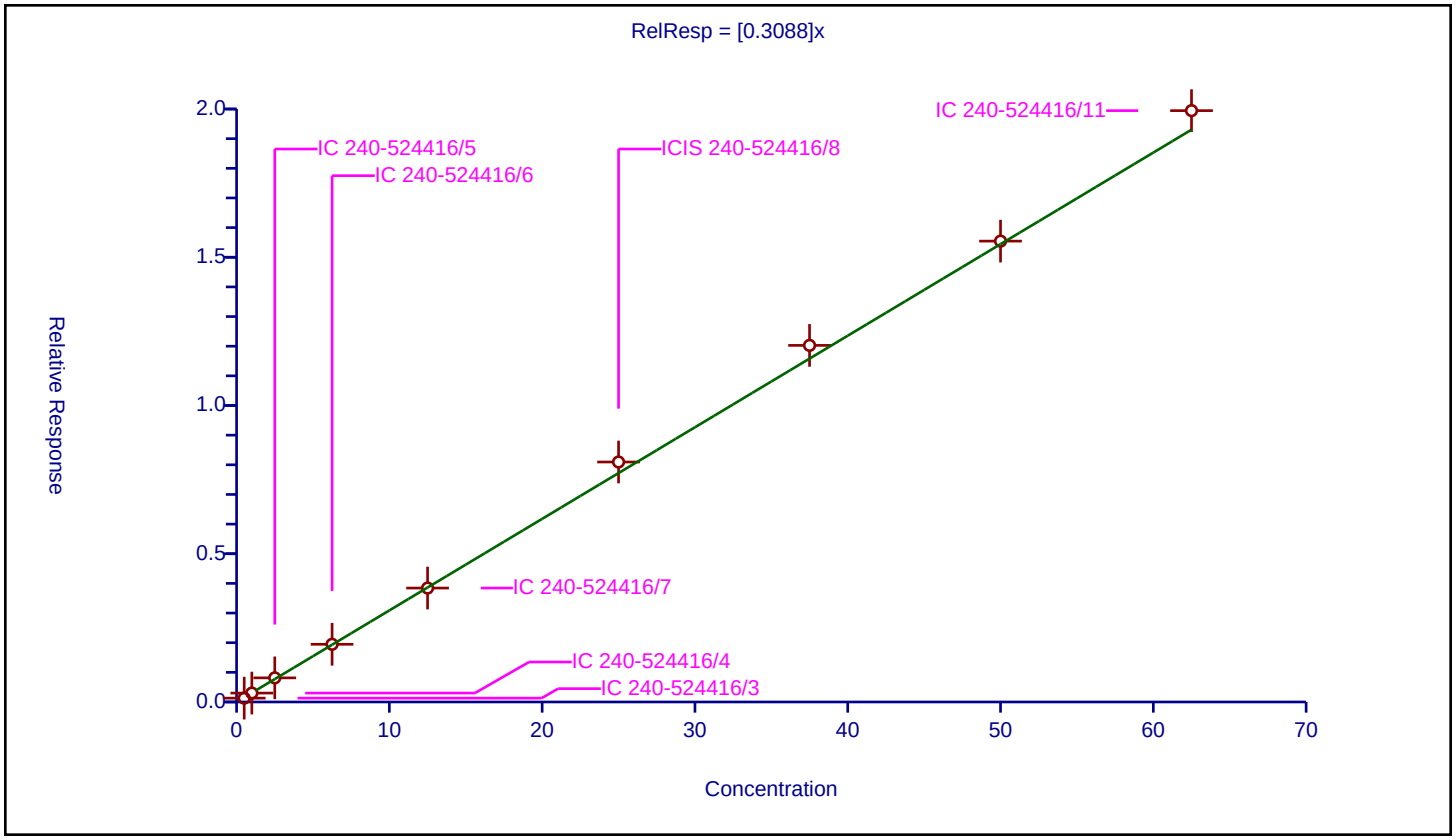
Curve Coefficients

Intercept:	0
Slope:	0.3088

Error Coefficients

Standard Error:	372000
Relative Standard Error:	6.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.13014	28.9	889827.0	0.26028	Y
2	IC 240-524416/4	1.0	0.300653	28.9	897798.0	0.300653	Y
3	IC 240-524416/5	2.5	0.813301	28.9	878761.0	0.32532	Y
4	IC 240-524416/6	6.25	1.94621	28.9	929571.0	0.311394	Y
5	IC 240-524416/7	12.5	3.84263	28.9	973519.0	0.30741	Y
6	ICIS 240-524416/8	25.0	8.094514	28.9	970370.0	0.323781	Y
7	IC 240-524416/9	37.5	12.027396	28.9	1007341.0	0.320731	Y
8	IC 240-524416/10	50.0	15.544495	28.9	1037487.0	0.31089	Y
9	IC 240-524416/11	62.5	19.945334	28.9	1049043.0	0.319125	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

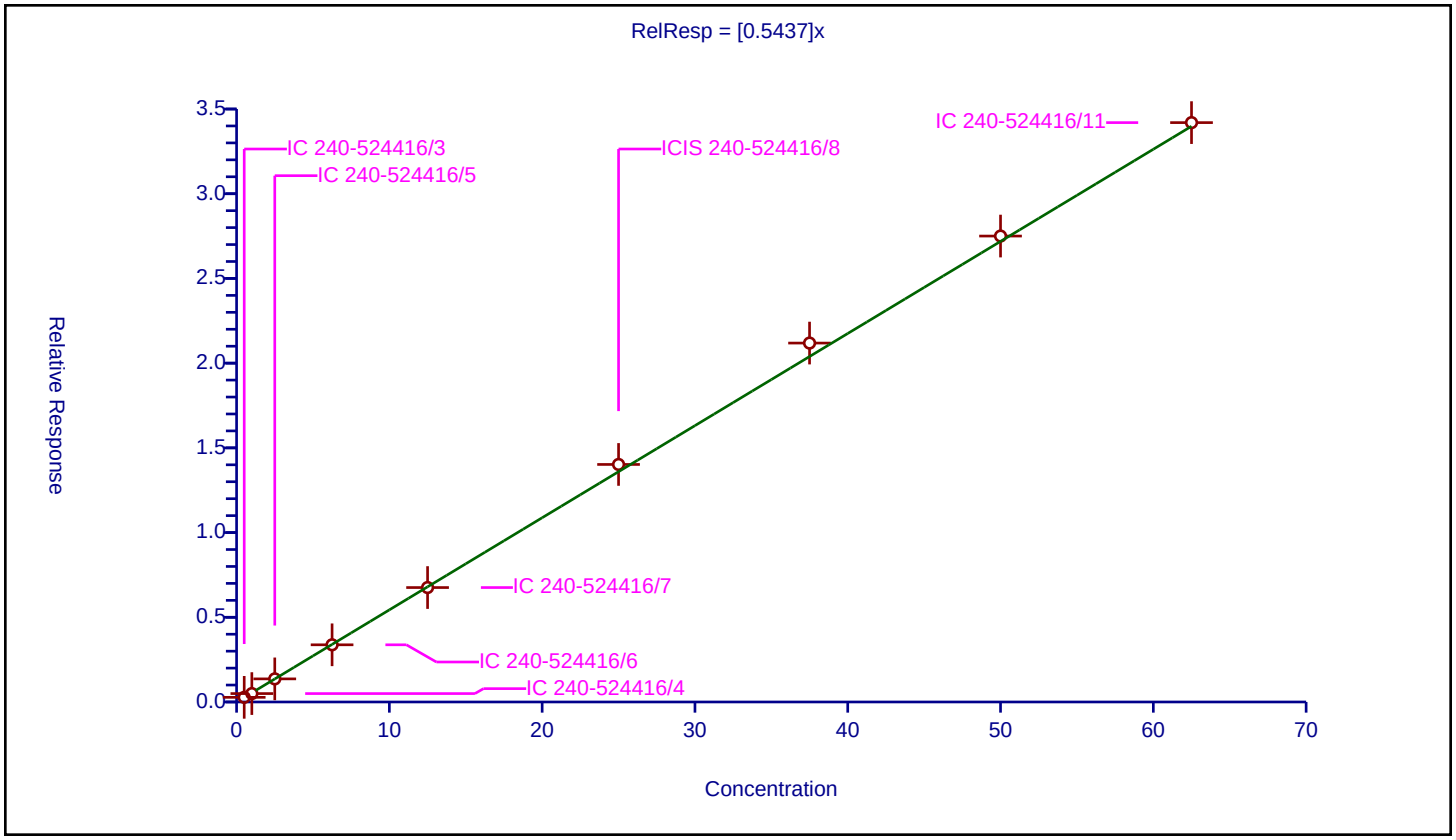
Curve Coefficients

Intercept:	0
Slope:	0.5437

Error Coefficients

Standard Error:	647000
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	IC 240-524416/3	0.5	0.274116	28.9	889827.0	0.548232	Y
2	IC 240-524416/4	1.0	0.496432	28.9	897798.0	0.496432	Y
3	IC 240-524416/5	2.5	1.364425	28.9	878761.0	0.54577	Y
4	IC 240-524416/6	6.25	3.374684	28.9	929571.0	0.539949	Y
5	IC 240-524416/7	12.5	6.754304	28.9	973519.0	0.540344	Y
6	ICIS 240-524416/8	25.0	14.019644	28.9	970370.0	0.560786	Y
7	IC 240-524416/9	37.5	21.185796	28.9	1007341.0	0.564955	Y
8	IC 240-524416/10	50.0	27.501417	28.9	1037487.0	0.550028	Y
9	IC 240-524416/11	62.5	34.1965	28.9	1049043.0	0.547144	Y



Calibration / 2-Hexanone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

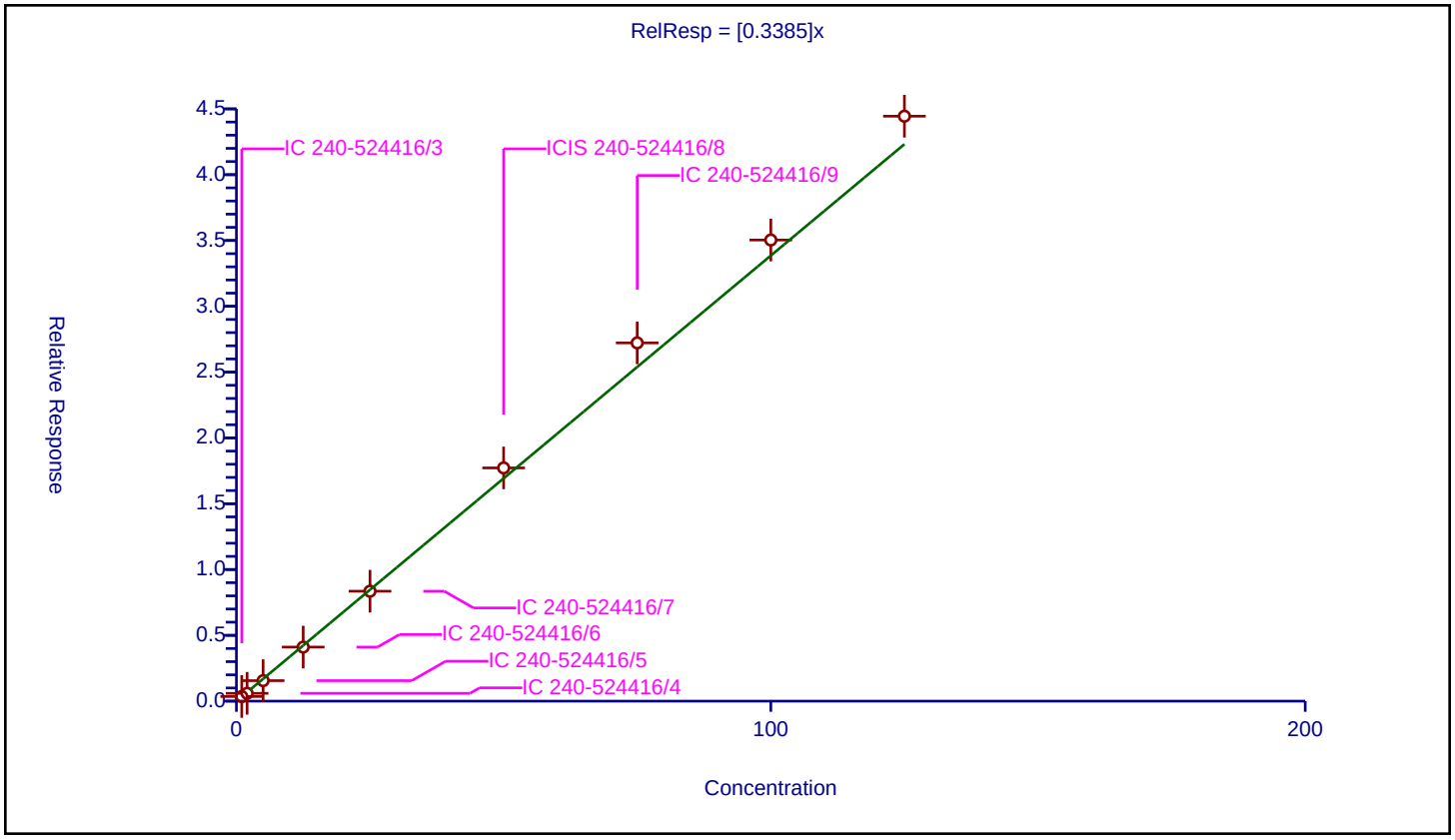
Curve Coefficients

Intercept:	0
Slope:	0.3385

Error Coefficients

Standard Error:	832000
Relative Standard Error:	6.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	1.0	0.352973	28.9	889827.0	0.352973	Y
2	IC 240-524416/4	2.0	0.593066	28.9	897798.0	0.296533	Y
3	IC 240-524416/5	5.0	1.556453	28.9	878761.0	0.311291	Y
4	IC 240-524416/6	12.5	4.107528	28.9	929571.0	0.328602	Y
5	IC 240-524416/7	25.0	8.353496	28.9	973519.0	0.33414	Y
6	ICIS 240-524416/8	50.0	17.72065	28.9	970370.0	0.354413	Y
7	IC 240-524416/9	75.0	27.221212	28.9	1007341.0	0.362949	Y
8	IC 240-524416/10	100.0	35.037072	28.9	1037487.0	0.350371	Y
9	IC 240-524416/11	125.0	44.44332	28.9	1049043.0	0.355547	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

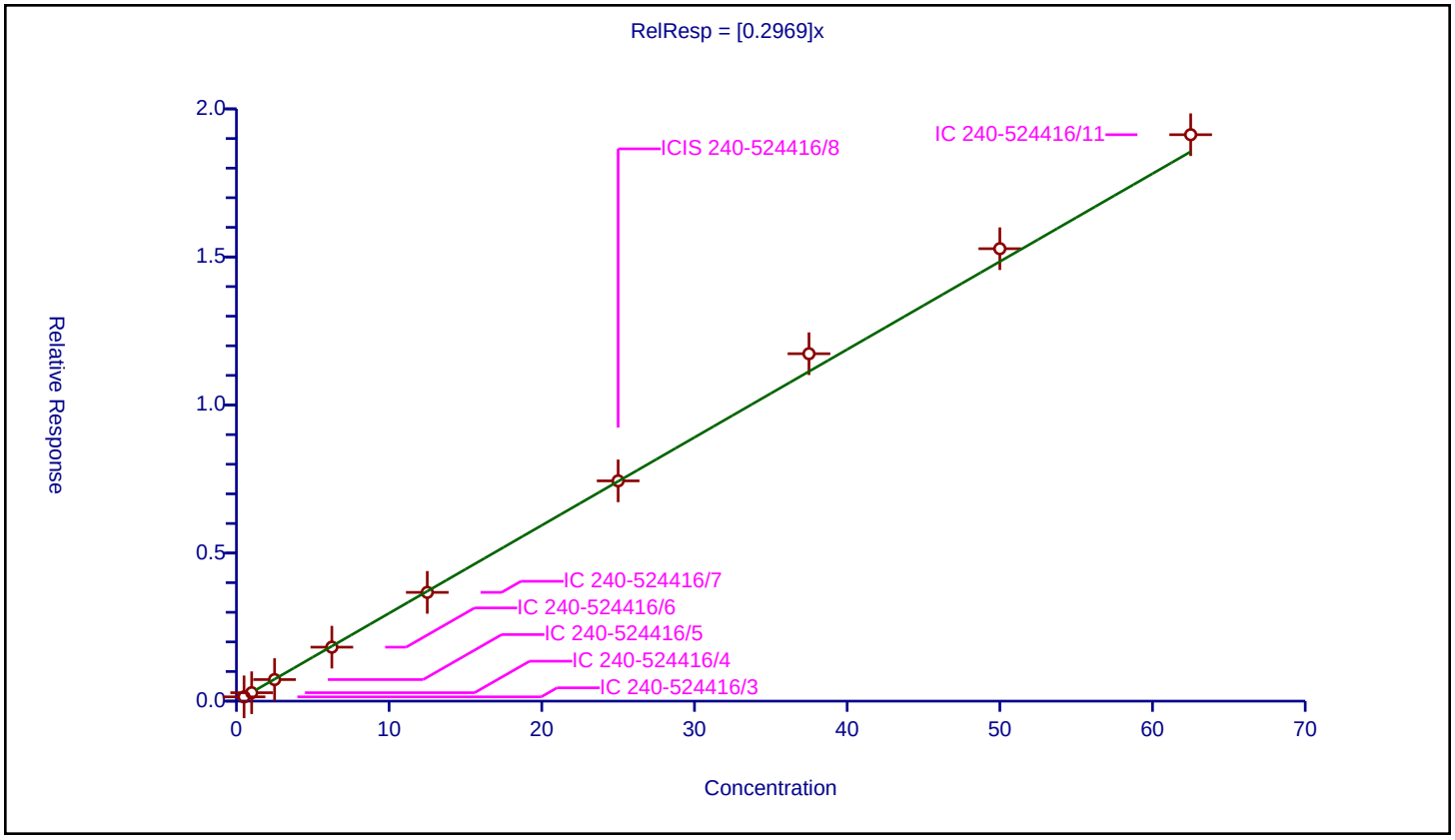
Curve Coefficients

Intercept:	0
Slope:	0.2969

Error Coefficients

Standard Error:	359000
Relative Standard Error:	3.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.144528	28.9	889827.0	0.289056	Y
2	IC 240-524416/4	1.0	0.284237	28.9	897798.0	0.284237	Y
3	IC 240-524416/5	2.5	0.72786	28.9	878761.0	0.291144	Y
4	IC 240-524416/6	6.25	1.823064	28.9	929571.0	0.29169	Y
5	IC 240-524416/7	12.5	3.672677	28.9	973519.0	0.293814	Y
6	ICIS 240-524416/8	25.0	7.438436	28.9	970370.0	0.297537	Y
7	IC 240-524416/9	37.5	11.732699	28.9	1007341.0	0.312872	Y
8	IC 240-524416/10	50.0	15.279057	28.9	1037487.0	0.305581	Y
9	IC 240-524416/11	62.5	19.128812	28.9	1049043.0	0.306061	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

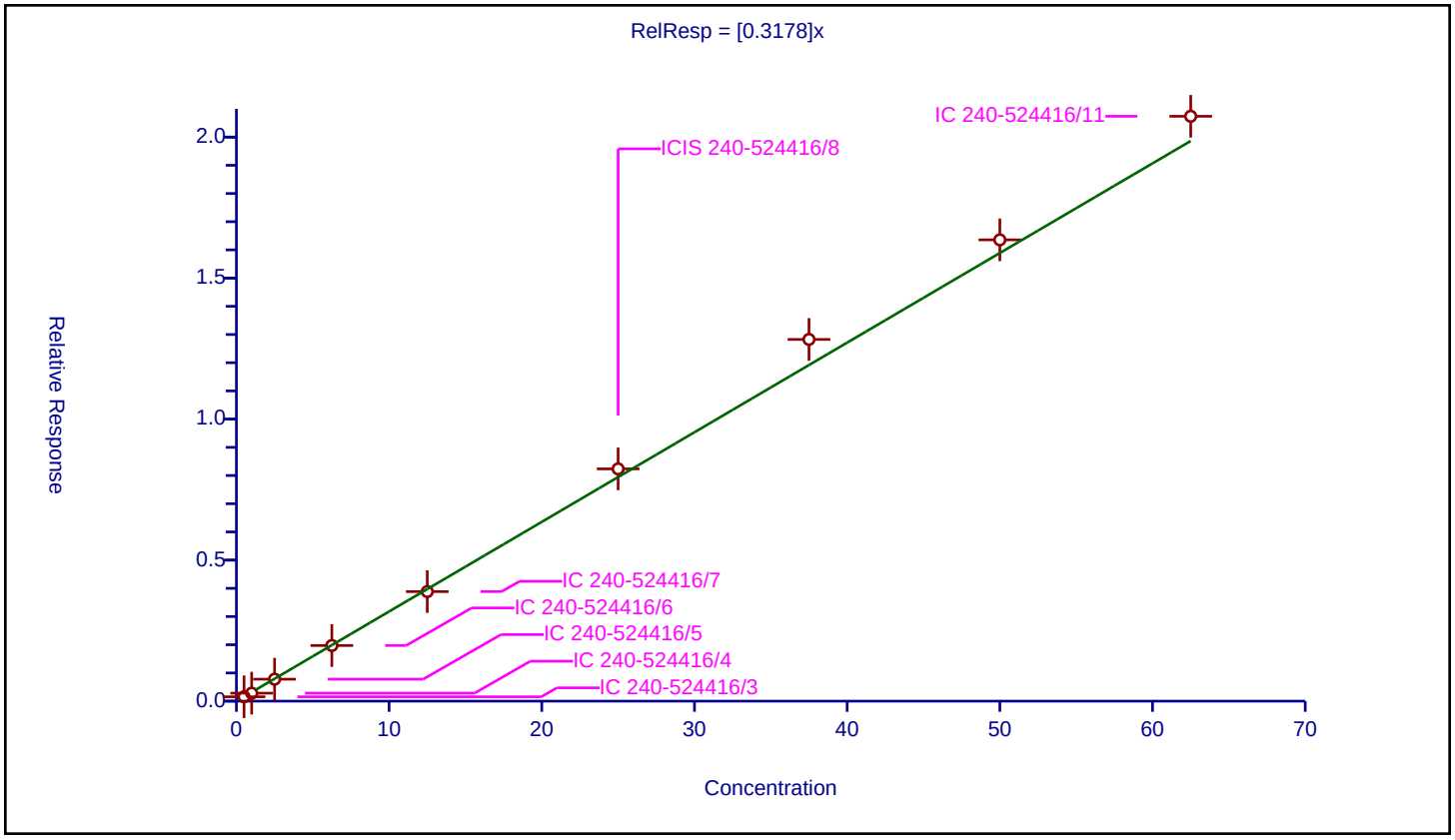
Curve Coefficients

Intercept:	0
Slope:	0.3178

Error Coefficients

Standard Error:	389000
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	IC 240-524416/3	0.5	0.154401	28.9	889827.0	0.308803	Y
2	IC 240-524416/4	1.0	0.28311	28.9	897798.0	0.28311	Y
3	IC 240-524416/5	2.5	0.778769	28.9	878761.0	0.311508	Y
4	IC 240-524416/6	6.25	1.972542	28.9	929571.0	0.315607	Y
5	IC 240-524416/7	12.5	3.884785	28.9	973519.0	0.310783	Y
6	ICIS 240-524416/8	25.0	8.235712	28.9	970370.0	0.329428	Y
7	IC 240-524416/9	37.5	12.824932	28.9	1007341.0	0.341998	Y
8	IC 240-524416/10	50.0	16.356156	28.9	1037487.0	0.327123	Y
9	IC 240-524416/11	62.5	20.737641	28.9	1049043.0	0.331802	Y



Calibration / Chlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

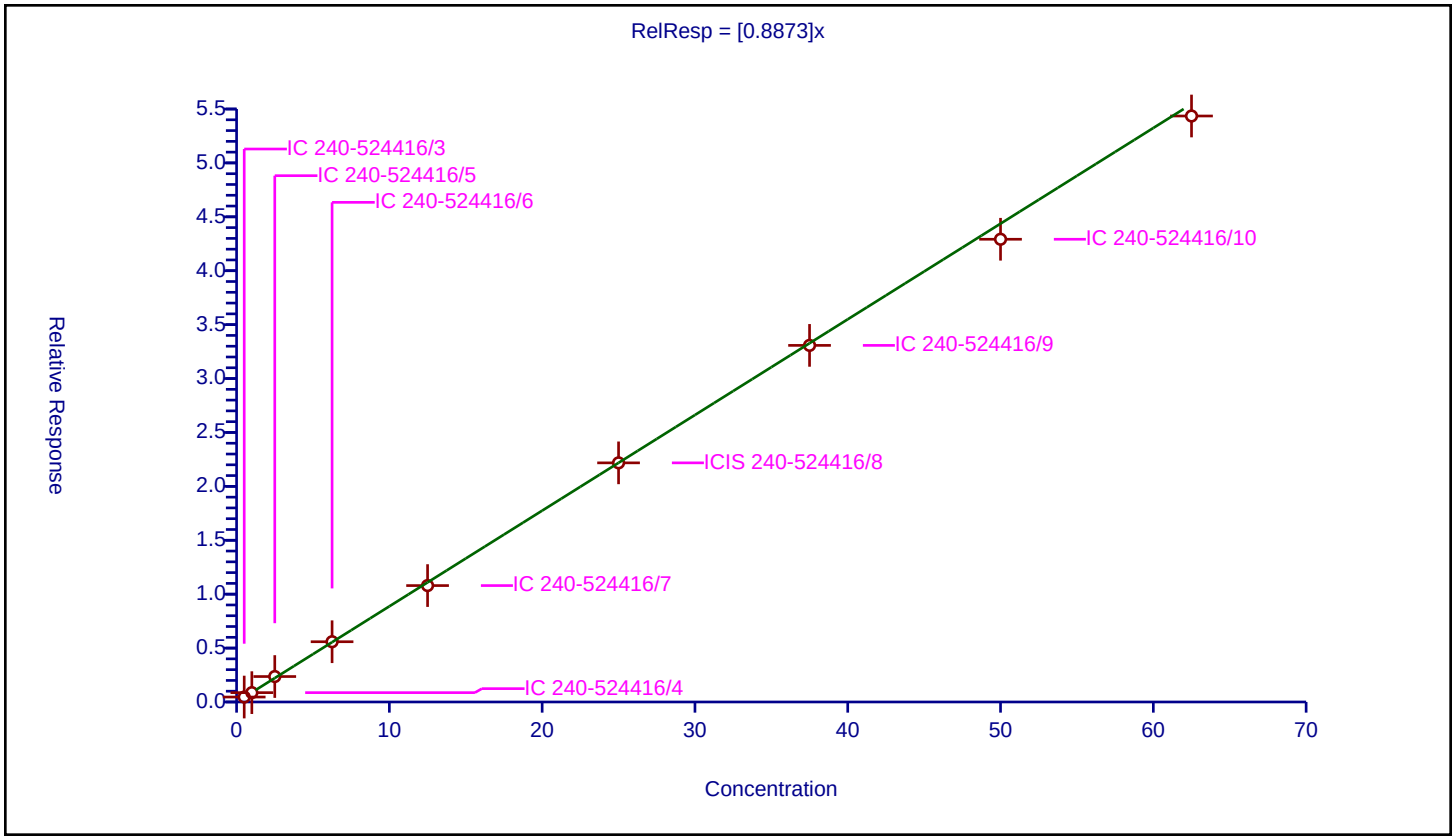
Curve Coefficients

Intercept:	0
Slope:	0.8873

Error Coefficients

Standard Error:	1020000
Relative Standard Error:	3.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.459989	28.9	889827.0	0.919978	Y
2	IC 240-524416/4	1.0	0.866551	28.9	897798.0	0.866551	Y
3	IC 240-524416/5	2.5	2.360217	28.9	878761.0	0.944087	Y
4	IC 240-524416/6	6.25	5.589414	28.9	929571.0	0.894306	Y
5	IC 240-524416/7	12.5	10.79883	28.9	973519.0	0.863906	Y
6	ICIS 240-524416/8	25.0	22.180215	28.9	970370.0	0.887209	Y
7	IC 240-524416/9	37.5	33.075712	28.9	1007341.0	0.882019	Y
8	IC 240-524416/10	50.0	42.919782	28.9	1037487.0	0.858396	Y
9	IC 240-524416/11	62.5	54.351702	28.9	1049043.0	0.869627	Y



Calibration / Ethylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

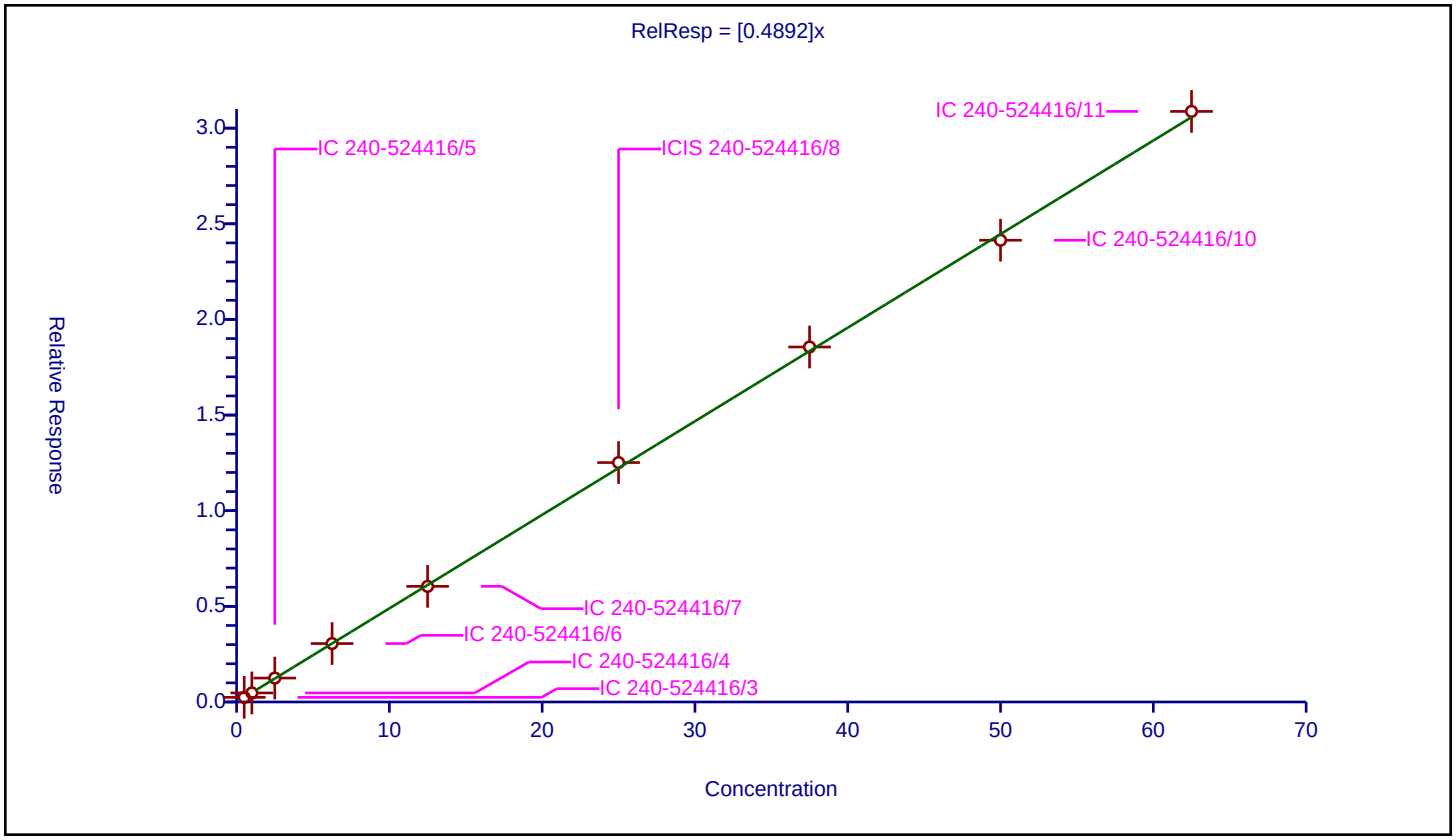
Curve Coefficients

Intercept:	0
Slope:	0.4892

Error Coefficients

Standard Error:	576000
Relative Standard Error:	1.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.242093	28.9	889827.0	0.484185	Y
2	IC 240-524416/4	1.0	0.473449	28.9	897798.0	0.473449	Y
3	IC 240-524416/5	2.5	1.250503	28.9	878761.0	0.500201	Y
4	IC 240-524416/6	6.25	3.055487	28.9	929571.0	0.488878	Y
5	IC 240-524416/7	12.5	6.046172	28.9	973519.0	0.483694	Y
6	ICIS 240-524416/8	25.0	12.516553	28.9	970370.0	0.500662	Y
7	IC 240-524416/9	37.5	18.559483	28.9	1007341.0	0.49492	Y
8	IC 240-524416/10	50.0	24.138947	28.9	1037487.0	0.482779	Y
9	IC 240-524416/11	62.5	30.874486	28.9	1049043.0	0.493992	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

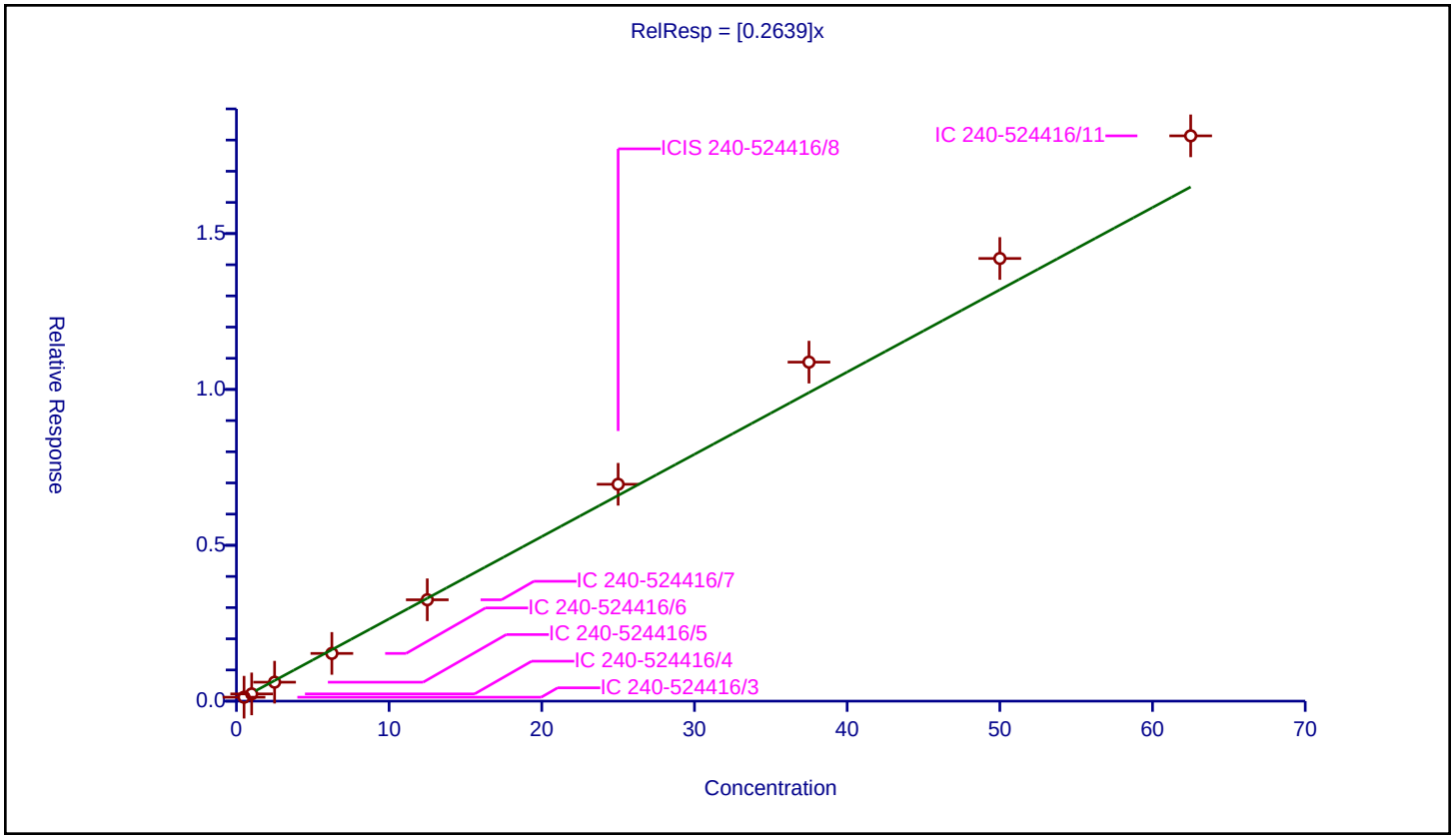
Curve Coefficients

Intercept:	0
Slope:	0.2639

Error Coefficients

Standard Error:	337000
Relative Standard Error:	8.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.126178	28.9	889827.0	0.252356	Y
2	IC 240-524416/4	1.0	0.232346	28.9	897798.0	0.232346	Y
3	IC 240-524416/5	2.5	0.608052	28.9	878761.0	0.243221	Y
4	IC 240-524416/6	6.25	1.53107	28.9	929571.0	0.244971	Y
5	IC 240-524416/7	12.5	3.25161	28.9	973519.0	0.260129	Y
6	ICIS 240-524416/8	25.0	6.9573	28.9	970370.0	0.278292	Y
7	IC 240-524416/9	37.5	10.876177	28.9	1007341.0	0.290031	Y
8	IC 240-524416/10	50.0	14.201178	28.9	1037487.0	0.284024	Y
9	IC 240-524416/11	62.5	18.135425	28.9	1049043.0	0.290167	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

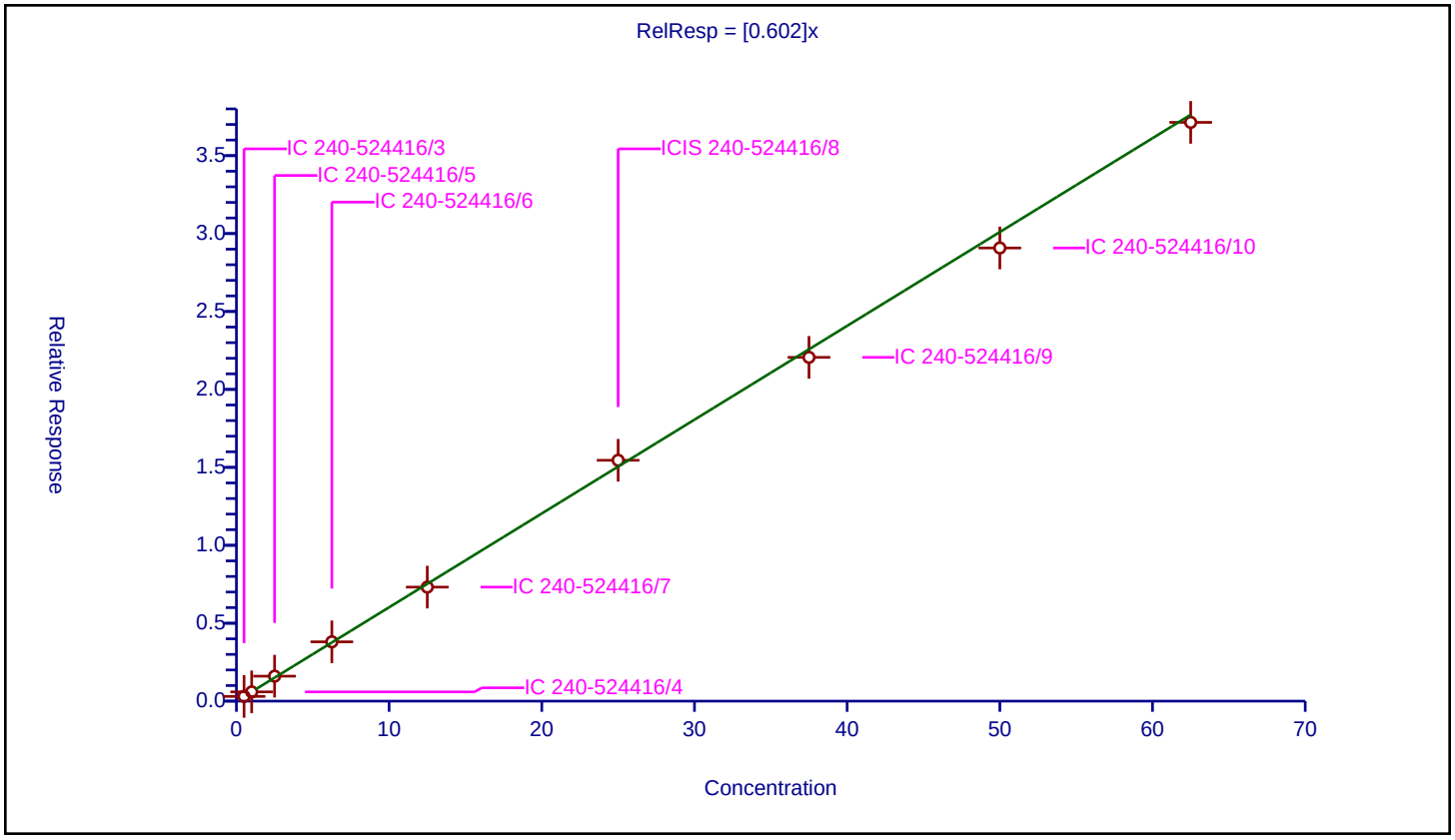
Curve Coefficients

Intercept:	0
Slope:	0.602

Error Coefficients

Standard Error:	693000
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	IC 240-524416/3	0.5	0.303477	28.9	889827.0	0.606953	Y
2	IC 240-524416/4	1.0	0.593839	28.9	897798.0	0.593839	Y
3	IC 240-524416/5	2.5	1.602462	28.9	878761.0	0.640985	Y
4	IC 240-524416/6	6.25	3.804094	28.9	929571.0	0.608655	Y
5	IC 240-524416/7	12.5	7.316678	28.9	973519.0	0.585334	Y
6	ICIS 240-524416/8	25.0	15.455188	28.9	970370.0	0.618208	Y
7	IC 240-524416/9	37.5	22.05781	28.9	1007341.0	0.588208	Y
8	IC 240-524416/10	50.0	29.076411	28.9	1037487.0	0.581528	Y
9	IC 240-524416/11	62.5	37.135226	28.9	1049043.0	0.594164	Y



Calibration / o-Xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

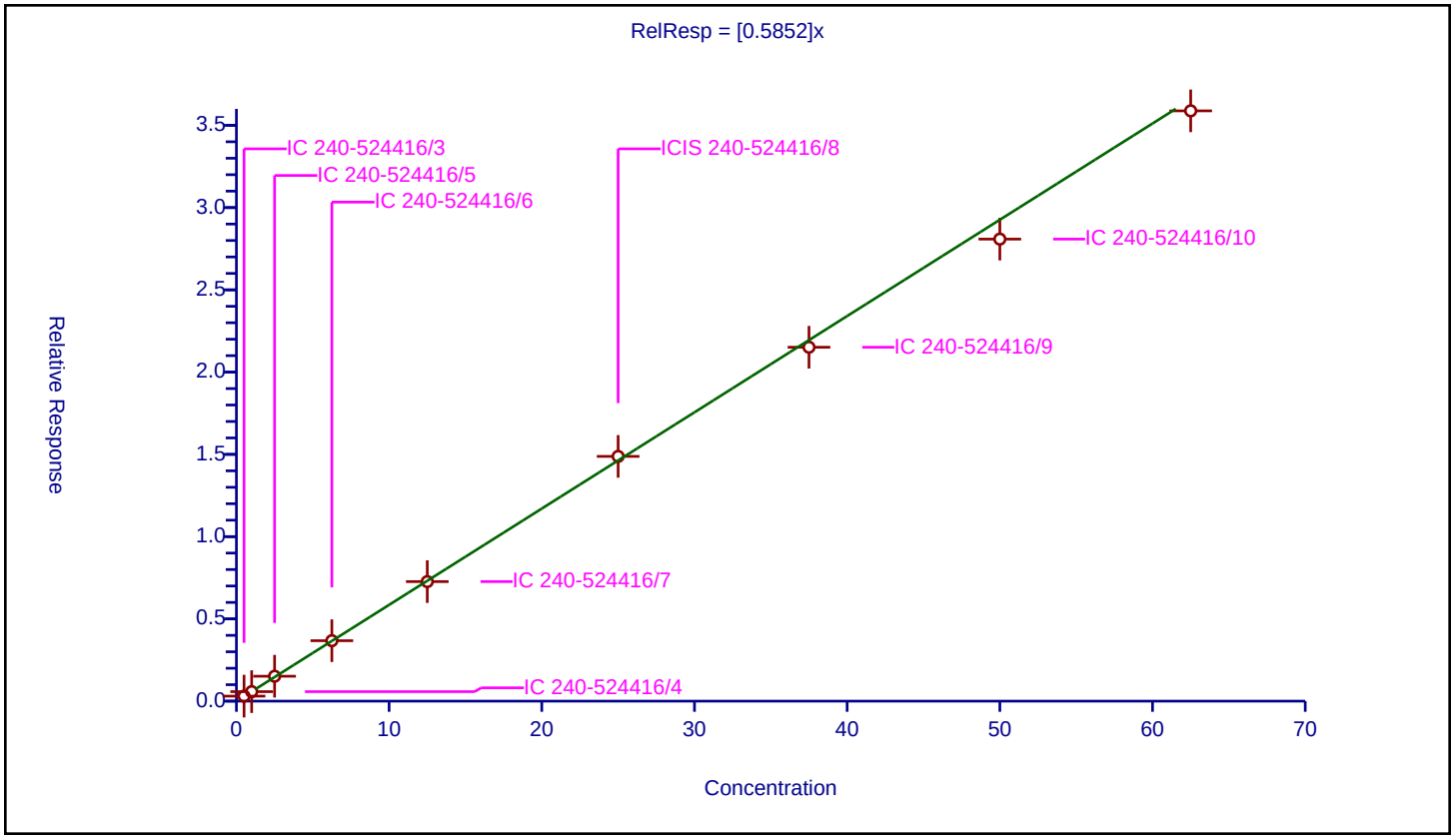
Curve Coefficients

Intercept:	0
Slope:	0.5852

Error Coefficients

Standard Error:	671000
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	IC 240-524416/3	0.5	0.304873	28.9	889827.0	0.609746	Y
2	IC 240-524416/4	1.0	0.577712	28.9	897798.0	0.577712	Y
3	IC 240-524416/5	2.5	1.514062	28.9	878761.0	0.605625	Y
4	IC 240-524416/6	6.25	3.674046	28.9	929571.0	0.587847	Y
5	IC 240-524416/7	12.5	7.265885	28.9	973519.0	0.581271	Y
6	ICIS 240-524416/8	25.0	14.877468	28.9	970370.0	0.595099	Y
7	IC 240-524416/9	37.5	21.511765	28.9	1007341.0	0.573647	Y
8	IC 240-524416/10	50.0	28.084968	28.9	1037487.0	0.561699	Y
9	IC 240-524416/11	62.5	35.880676	28.9	1049043.0	0.574091	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

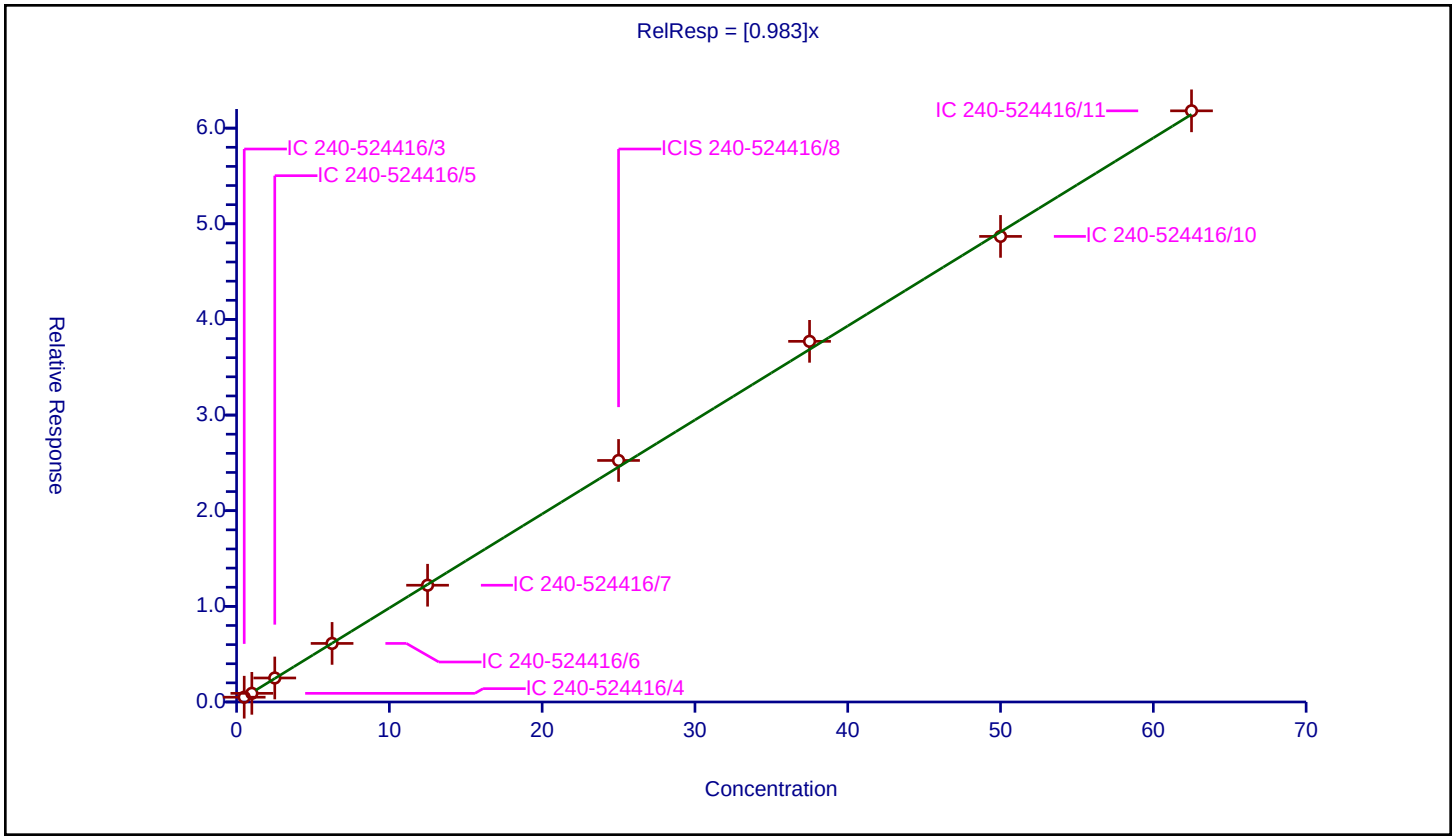
Curve Coefficients

Intercept:	0
Slope:	0.983

Error Coefficients

Standard Error:	1160000
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	IC 240-524416/3	0.5	0.501204	28.9	889827.0	1.002408	Y
2	IC 240-524416/4	1.0	0.905308	28.9	897798.0	0.905308	Y
3	IC 240-524416/5	2.5	2.510445	28.9	878761.0	1.004178	Y
4	IC 240-524416/6	6.25	6.124467	28.9	929571.0	0.979915	Y
5	IC 240-524416/7	12.5	12.207496	28.9	973519.0	0.9766	Y
6	ICIS 240-524416/8	25.0	25.254479	28.9	970370.0	1.010179	Y
7	IC 240-524416/9	37.5	37.710225	28.9	1007341.0	1.005606	Y
8	IC 240-524416/10	50.0	48.681664	28.9	1037487.0	0.973633	Y
9	IC 240-524416/11	62.5	61.809111	28.9	1049043.0	0.988946	Y



Calibration / Bromoform

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

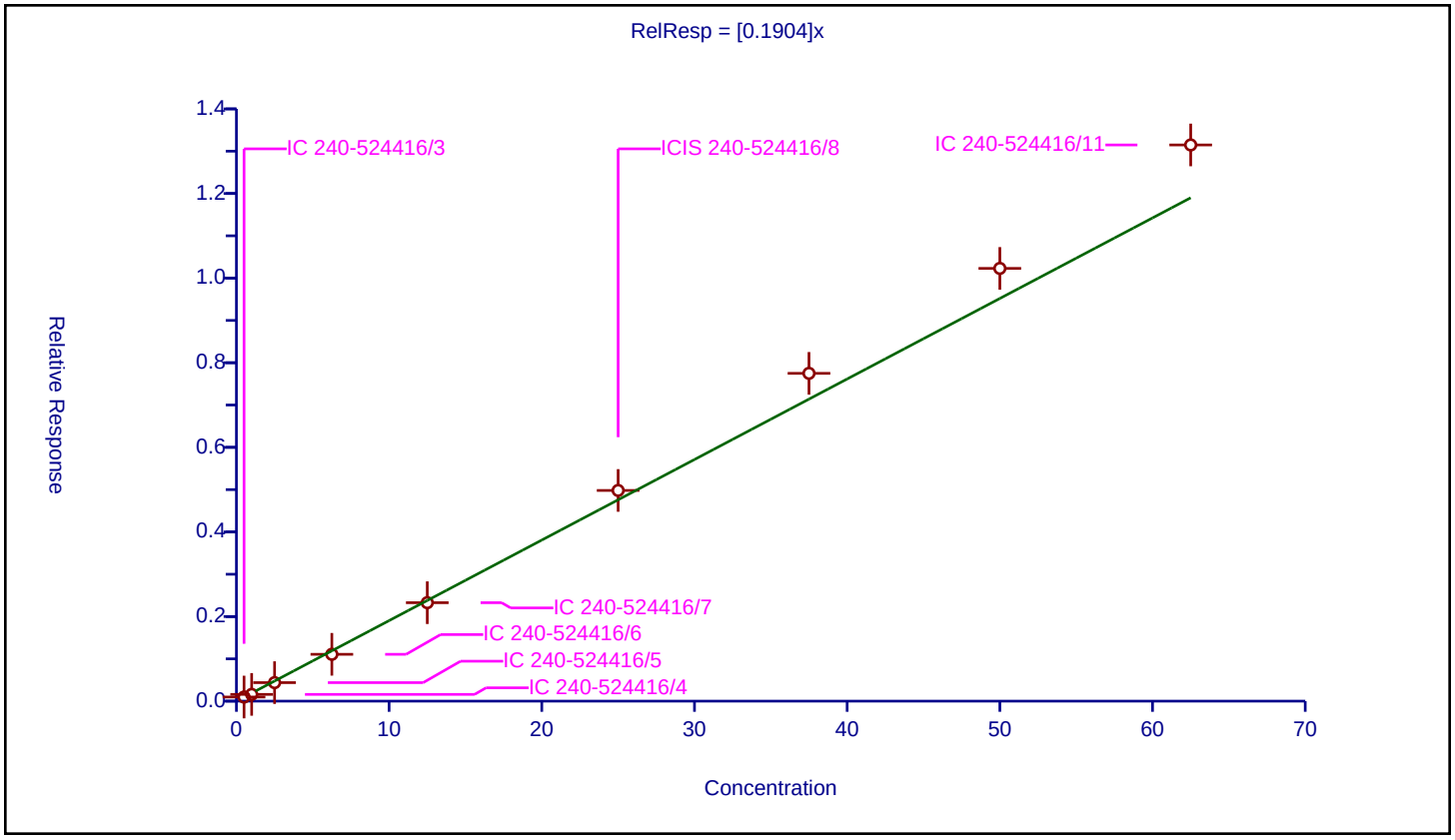
Curve Coefficients

Intercept:	0
Slope:	0.1904

Error Coefficients

Standard Error:	243000
Relative Standard Error:	9.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.09724	28.9	889827.0	0.19448	Y
2	IC 240-524416/4	1.0	0.159694	28.9	897798.0	0.159694	Y
3	IC 240-524416/5	2.5	0.437696	28.9	878761.0	0.175078	Y
4	IC 240-524416/6	6.25	1.107288	28.9	929571.0	0.177166	Y
5	IC 240-524416/7	12.5	2.327154	28.9	973519.0	0.186172	Y
6	ICIS 240-524416/8	25.0	4.98049	28.9	970370.0	0.19922	Y
7	IC 240-524416/9	37.5	7.748632	28.9	1007341.0	0.20663	Y
8	IC 240-524416/10	50.0	10.229252	28.9	1037487.0	0.204585	Y
9	IC 240-524416/11	62.5	13.147308	28.9	1049043.0	0.210357	Y



Calibration / Isopropylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

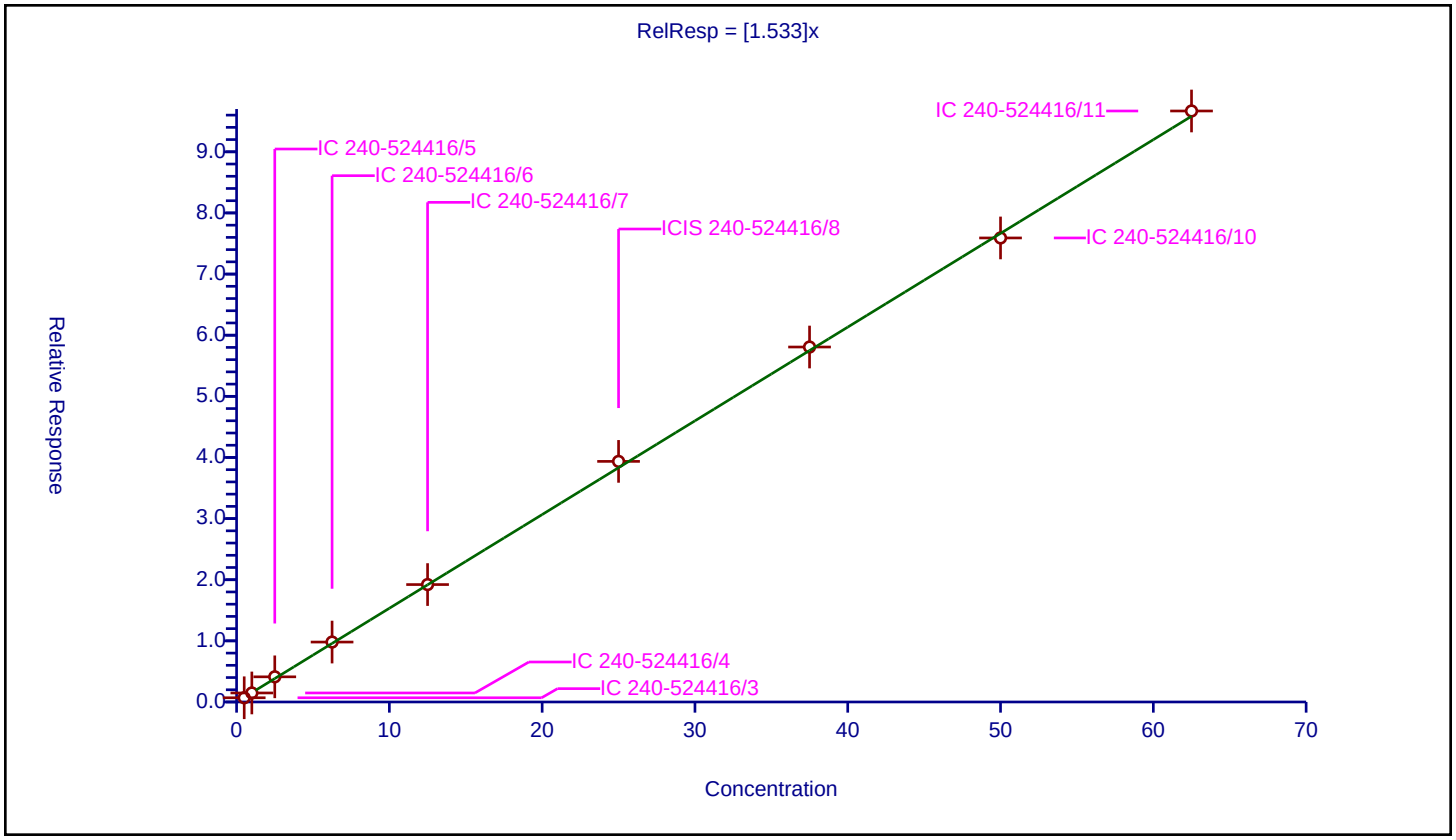
Curve Coefficients

Intercept:	0
Slope:	1.533

Error Coefficients

Standard Error:	1810000
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	IC 240-524416/3	0.5	0.689935	28.9	889827.0	1.37987	Y
2	IC 240-524416/4	1.0	1.477676	28.9	897798.0	1.477676	Y
3	IC 240-524416/5	2.5	4.117479	28.9	878761.0	1.646992	Y
4	IC 240-524416/6	6.25	9.803798	28.9	929571.0	1.568608	Y
5	IC 240-524416/7	12.5	19.210926	28.9	973519.0	1.536874	Y
6	ICIS 240-524416/8	25.0	39.359509	28.9	970370.0	1.57438	Y
7	IC 240-524416/9	37.5	58.065692	28.9	1007341.0	1.548418	Y
8	IC 240-524416/10	50.0	75.90912	28.9	1037487.0	1.518182	Y
9	IC 240-524416/11	62.5	96.676923	28.9	1049043.0	1.546831	Y



Calibration / 4-Bromofluorobenzene (Surr)

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

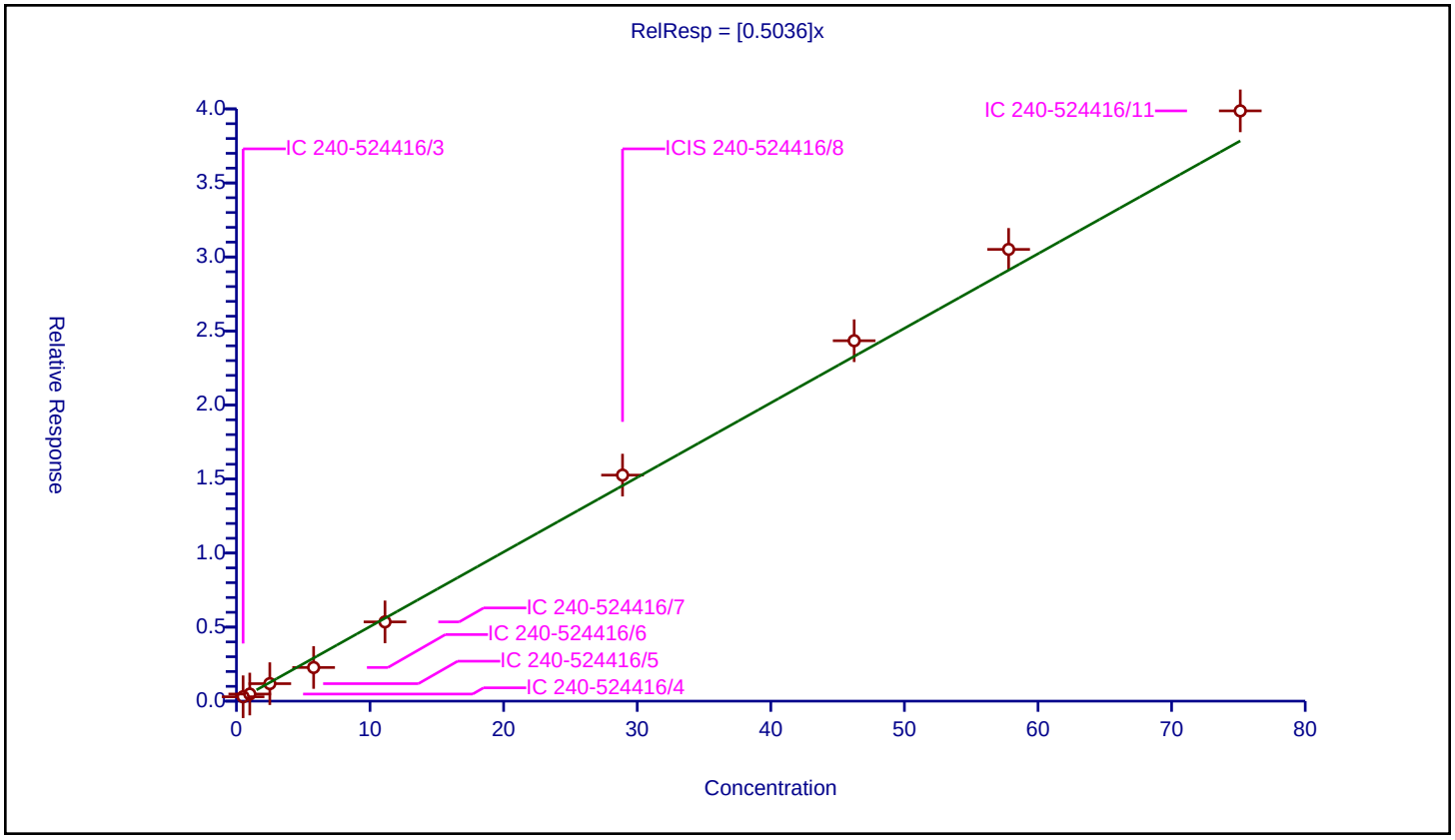
Curve Coefficients

Intercept:	0
Slope:	0.5036

Error Coefficients

Standard Error:	734000
Relative Standard Error:	11.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.296656	28.9	889827.0	0.593312	Y
2	IC 240-524416/4	1.0	0.478889	28.9	897798.0	0.478889	Y
3	IC 240-524416/5	2.5	1.181144	28.9	878761.0	0.472458	Y
4	IC 240-524416/6	5.78	2.273583	28.9	929571.0	0.393353	Y
5	IC 240-524416/7	11.12	5.351843	28.9	973519.0	0.481281	Y
6	ICIS 240-524416/8	28.9	15.265414	28.9	970370.0	0.528215	Y
7	IC 240-524416/9	46.24	24.342346	28.9	1007341.0	0.526435	Y
8	IC 240-524416/10	57.8	30.510649	28.9	1037487.0	0.527866	Y
9	IC 240-524416/11	75.14	39.866067	28.9	1049043.0	0.530557	Y



Calibration / Bromobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

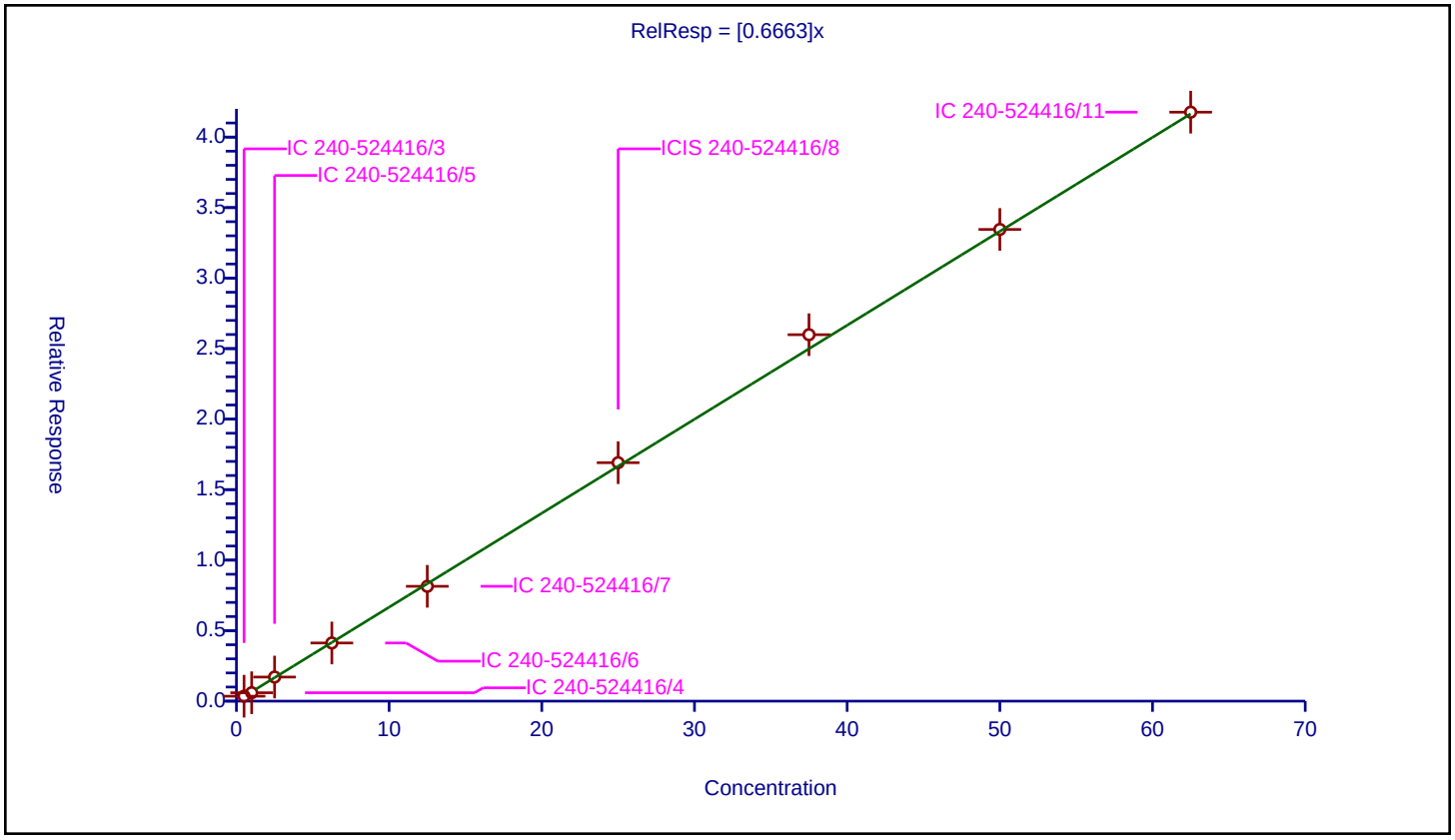
Curve Coefficients

Intercept:	0
Slope:	0.6663

Error Coefficients

Standard Error:	400000
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	IC 240-524416/3	0.5	0.349595	28.9	470789.0	0.69919	Y
2	IC 240-524416/4	1.0	0.596209	28.9	488704.0	0.596209	Y
3	IC 240-524416/5	2.5	1.708821	28.9	463903.0	0.683528	Y
4	IC 240-524416/6	6.25	4.124537	28.9	488181.0	0.659926	Y
5	IC 240-524416/7	12.5	8.143876	28.9	505417.0	0.65151	Y
6	ICIS 240-524416/8	25.0	16.910971	28.9	502732.0	0.676439	Y
7	IC 240-524416/9	37.5	25.986051	28.9	509597.0	0.692961	Y
8	IC 240-524416/10	50.0	33.451736	28.9	520173.0	0.669035	Y
9	IC 240-524416/11	62.5	41.767786	28.9	534468.0	0.668285	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

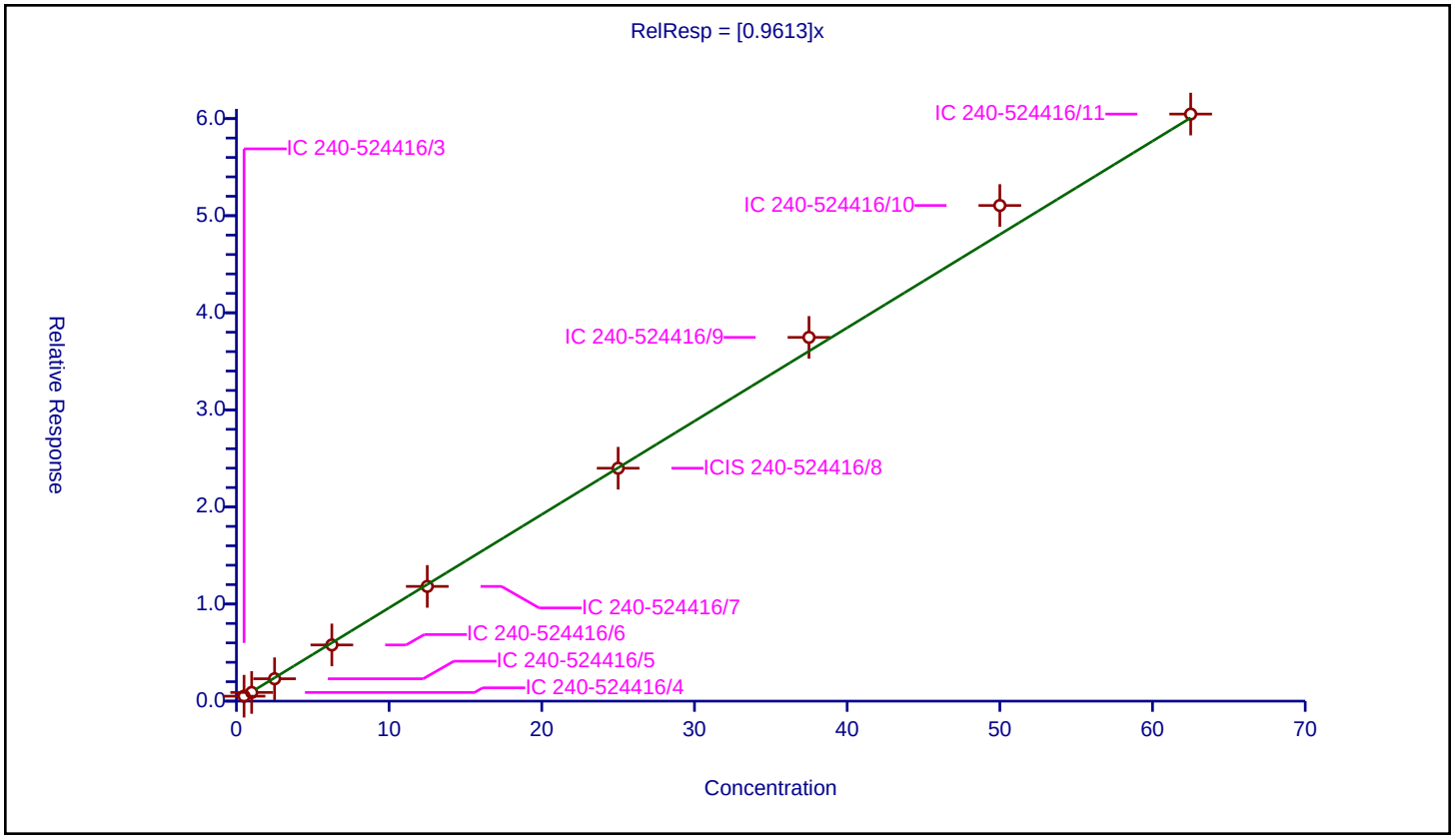
Curve Coefficients

Intercept:	0
Slope:	0.9613

Error Coefficients

Standard Error:	587000
Relative Standard Error:	4.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.508463	28.9	470789.0	1.016926	Y
2	IC 240-524416/4	1.0	0.894787	28.9	488704.0	0.894787	Y
3	IC 240-524416/5	2.5	2.304385	28.9	463903.0	0.921754	Y
4	IC 240-524416/6	6.25	5.78727	28.9	488181.0	0.925963	Y
5	IC 240-524416/7	12.5	11.817152	28.9	505417.0	0.945372	Y
6	ICIS 240-524416/8	25.0	23.990704	28.9	502732.0	0.959628	Y
7	IC 240-524416/9	37.5	37.465362	28.9	509597.0	0.999076	Y
8	IC 240-524416/10	50.0	51.050372	28.9	520173.0	1.021007	Y
9	IC 240-524416/11	62.5	60.466637	28.9	534468.0	0.967466	Y



Calibration / N-Propylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

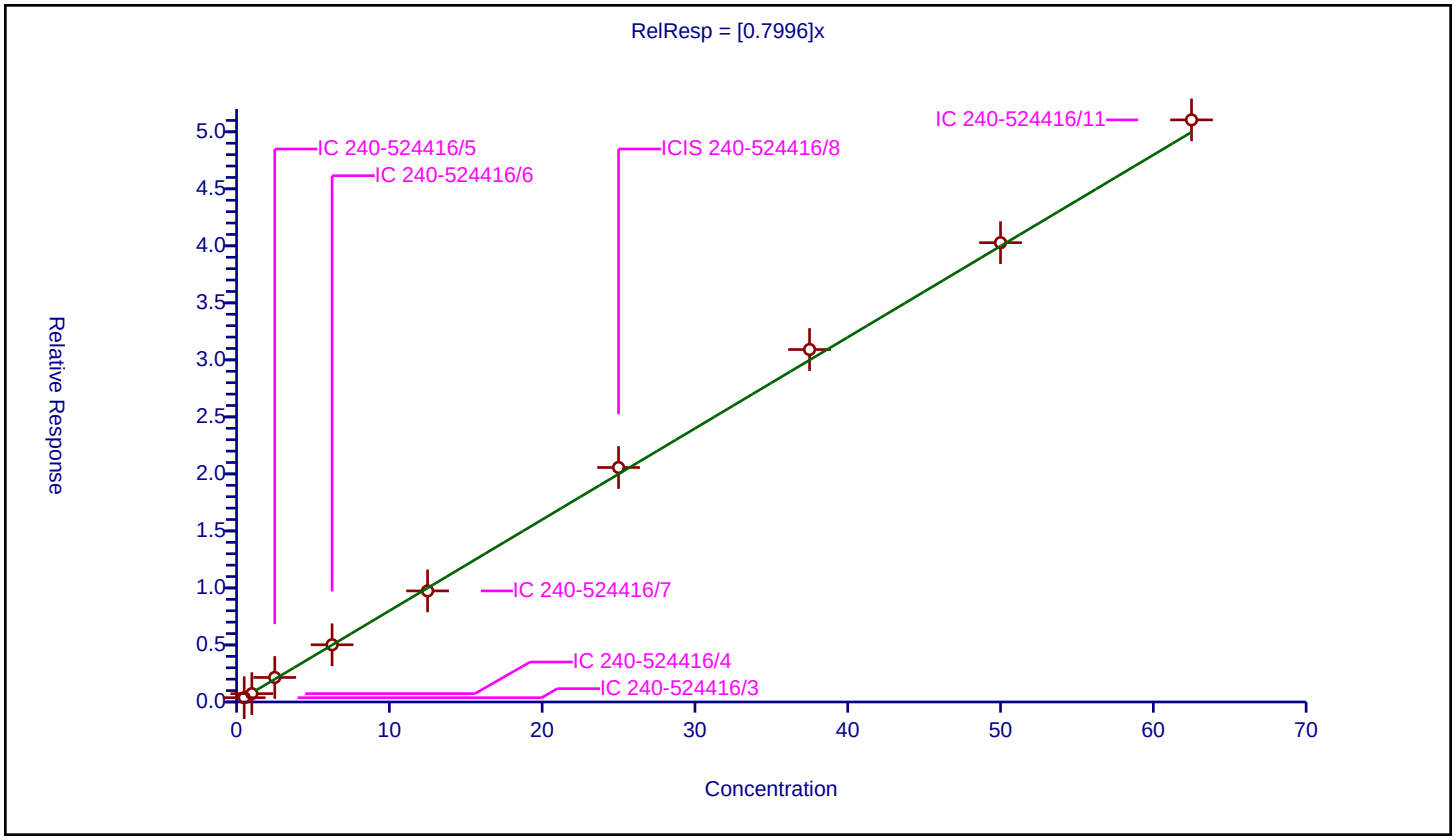
Curve Coefficients

Intercept:	0
Slope:	0.7996

Error Coefficients

Standard Error:	485000
Relative Standard Error:	4.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.377587	28.9	470789.0	0.755174	Y
2	IC 240-524416/4	1.0	0.729797	28.9	488704.0	0.729797	Y
3	IC 240-524416/5	2.5	2.150074	28.9	463903.0	0.86003	Y
4	IC 240-524416/6	6.25	5.017441	28.9	488181.0	0.802791	Y
5	IC 240-524416/7	12.5	9.740185	28.9	505417.0	0.779215	Y
6	ICIS 240-524416/8	25.0	20.563568	28.9	502732.0	0.822543	Y
7	IC 240-524416/9	37.5	30.908324	28.9	509597.0	0.824222	Y
8	IC 240-524416/10	50.0	40.278702	28.9	520173.0	0.805574	Y
9	IC 240-524416/11	62.5	51.047972	28.9	534468.0	0.816768	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

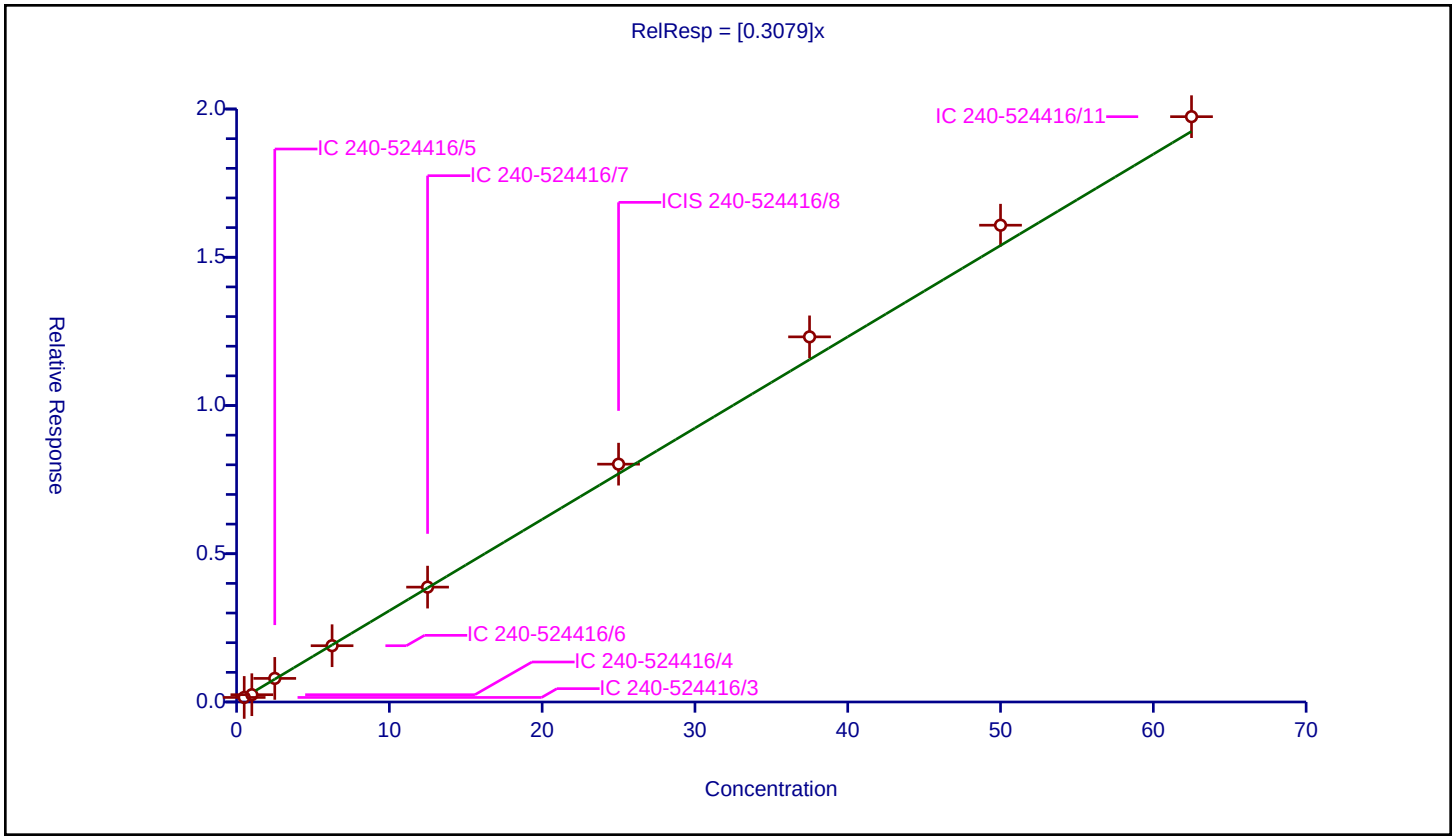
Curve Coefficients

Intercept:	0
Slope:	0.3079

Error Coefficients

Standard Error:	190000
Relative Standard Error:	8.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.153404	28.9	470789.0	0.306809	Y
2	IC 240-524416/4	1.0	0.245769	28.9	488704.0	0.245769	Y
3	IC 240-524416/5	2.5	0.795913	28.9	463903.0	0.318365	Y
4	IC 240-524416/6	6.25	1.898286	28.9	488181.0	0.303726	Y
5	IC 240-524416/7	12.5	3.874551	28.9	505417.0	0.309964	Y
6	ICIS 240-524416/8	25.0	8.02141	28.9	502732.0	0.320856	Y
7	IC 240-524416/9	37.5	12.315295	28.9	509597.0	0.328408	Y
8	IC 240-524416/10	50.0	16.081501	28.9	520173.0	0.32163	Y
9	IC 240-524416/11	62.5	19.74191	28.9	534468.0	0.315871	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

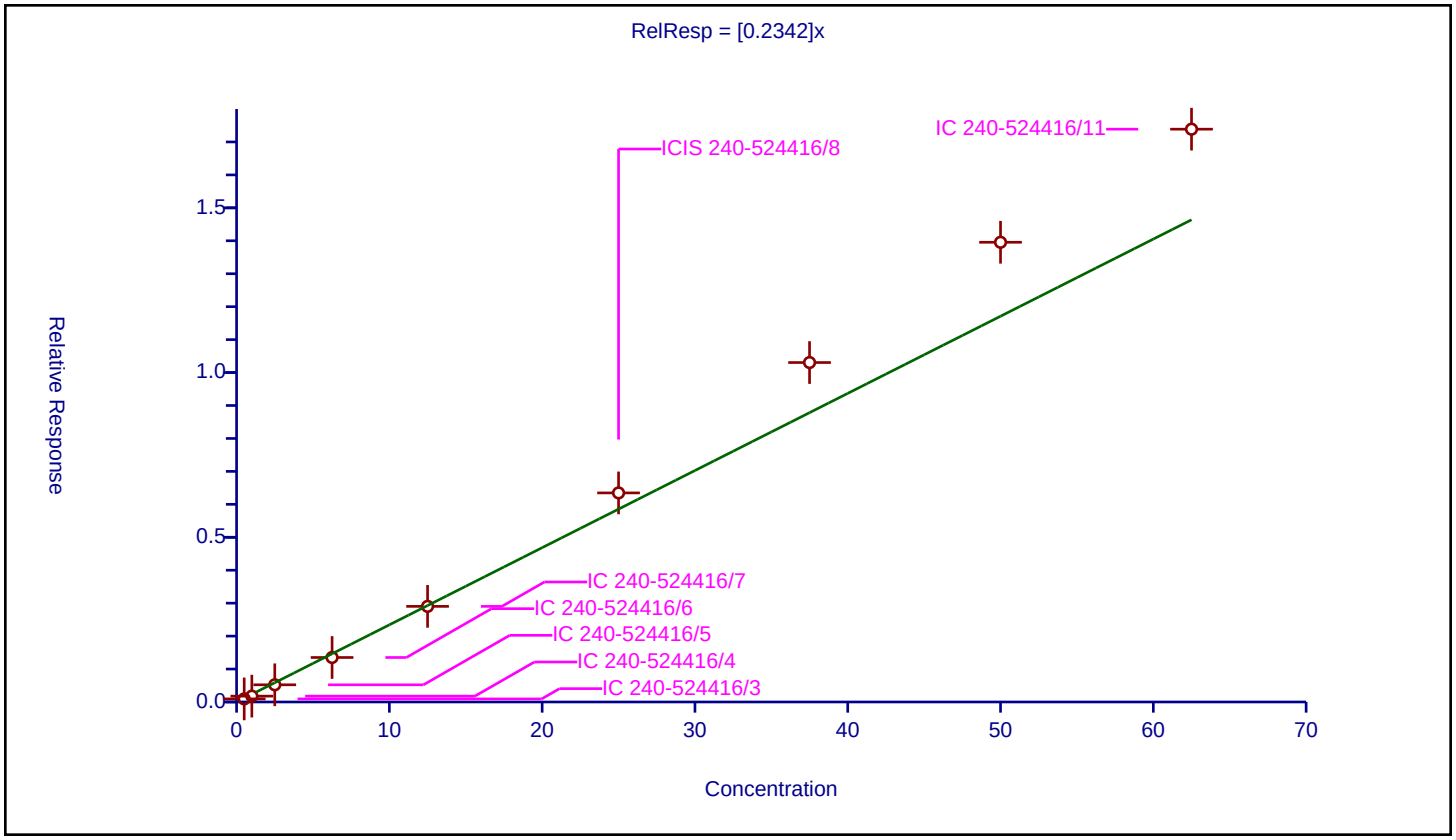
Curve Coefficients

Intercept:	0
Slope:	0.2342

Error Coefficients

Standard Error:	164000
Relative Standard Error:	16.8
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.093553	28.9	470789.0	0.187105	Y
2	IC 240-524416/4	1.0	0.177645	28.9	488704.0	0.177645	Y
3	IC 240-524416/5	2.5	0.521991	28.9	463903.0	0.208796	Y
4	IC 240-524416/6	6.25	1.350633	28.9	488181.0	0.216101	Y
5	IC 240-524416/7	12.5	2.902597	28.9	505417.0	0.232208	Y
6	ICIS 240-524416/8	25.0	6.346328	28.9	502732.0	0.253853	Y
7	IC 240-524416/9	37.5	10.303965	28.9	509597.0	0.274772	Y
8	IC 240-524416/10	50.0	13.954891	28.9	520173.0	0.279098	Y
9	IC 240-524416/11	62.5	17.387703	28.9	534468.0	0.278203	Y



Calibration / 2-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

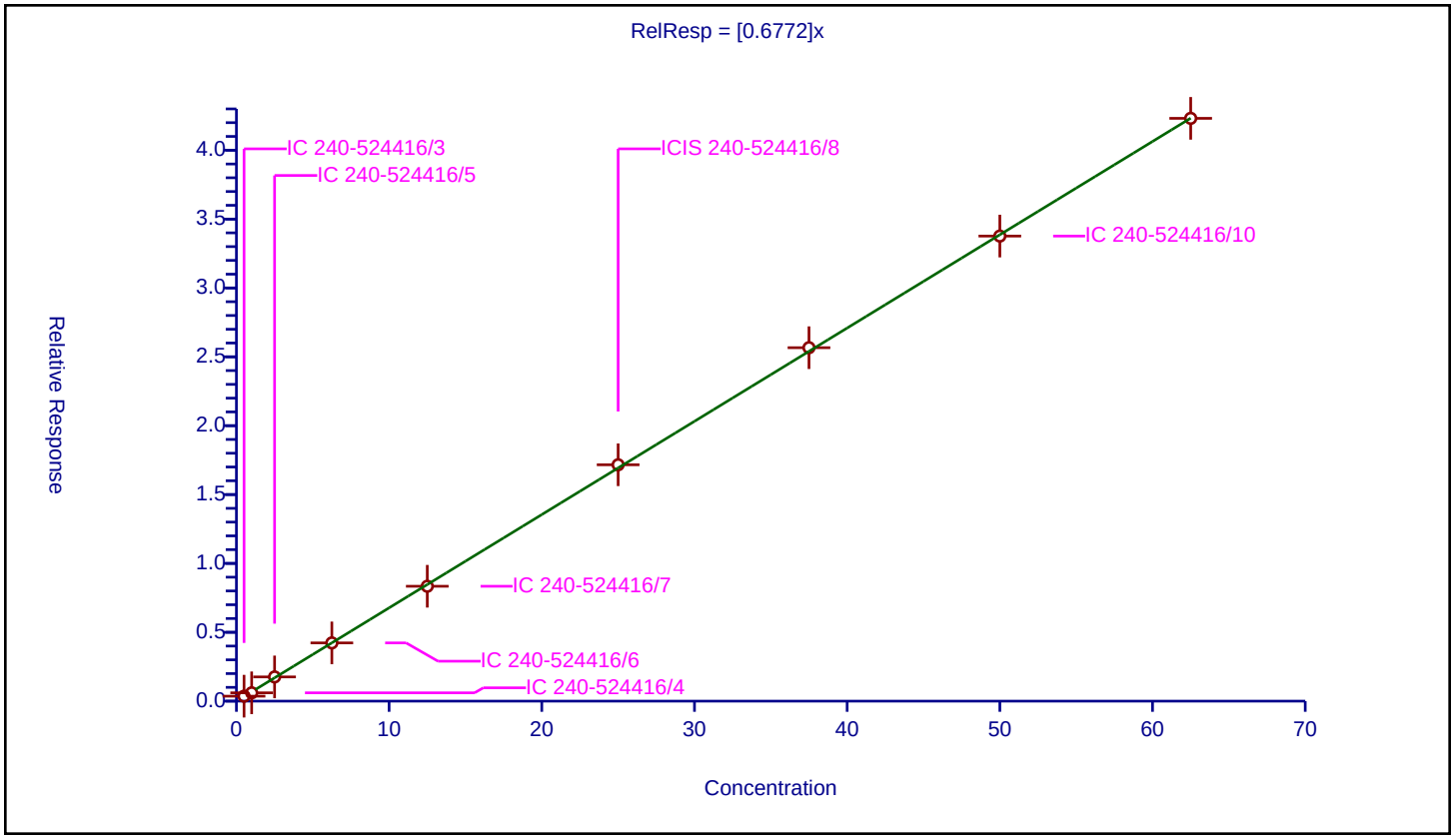
Curve Coefficients

Intercept:	0
Slope:	0.6772

Error Coefficients

Standard Error:	404000
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	IC 240-524416/3	0.5	0.360706	28.9	470789.0	0.721412	Y
2	IC 240-524416/4	1.0	0.60366	28.9	488704.0	0.60366	Y
3	IC 240-524416/5	2.5	1.758285	28.9	463903.0	0.703314	Y
4	IC 240-524416/6	6.25	4.228018	28.9	488181.0	0.676483	Y
5	IC 240-524416/7	12.5	8.340806	28.9	505417.0	0.667264	Y
6	ICIS 240-524416/8	25.0	17.160518	28.9	502732.0	0.686421	Y
7	IC 240-524416/9	37.5	25.661151	28.9	509597.0	0.684297	Y
8	IC 240-524416/10	50.0	33.766086	28.9	520173.0	0.675322	Y
9	IC 240-524416/11	62.5	42.314026	28.9	534468.0	0.677024	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

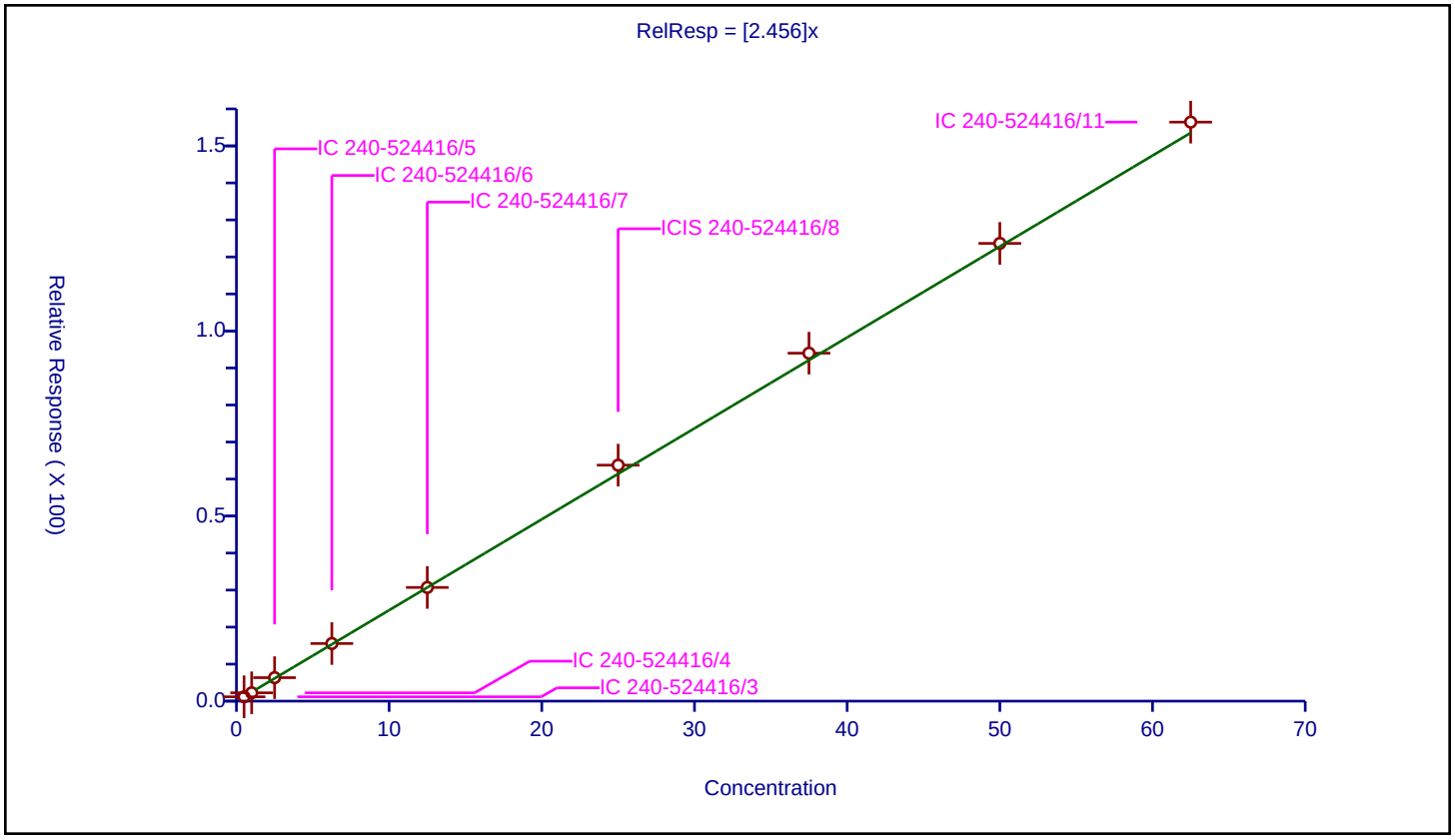
Curve Coefficients

Intercept:	0
Slope:	2.456

Error Coefficients

Standard Error:	1490000
Relative Standard Error:	4.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	1.169962	28.9	470789.0	2.339923	Y
2	IC 240-524416/4	1.0	2.250184	28.9	488704.0	2.250184	Y
3	IC 240-524416/5	2.5	6.341699	28.9	463903.0	2.53668	Y
4	IC 240-524416/6	6.25	15.568305	28.9	488181.0	2.490929	Y
5	IC 240-524416/7	12.5	30.711021	28.9	505417.0	2.456882	Y
6	ICIS 240-524416/8	25.0	63.752722	28.9	502732.0	2.550109	Y
7	IC 240-524416/9	37.5	94.002227	28.9	509597.0	2.506726	Y
8	IC 240-524416/10	50.0	123.664585	28.9	520173.0	2.473292	Y
9	IC 240-524416/11	62.5	156.432873	28.9	534468.0	2.502926	Y



Calibration / 4-Chlorotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

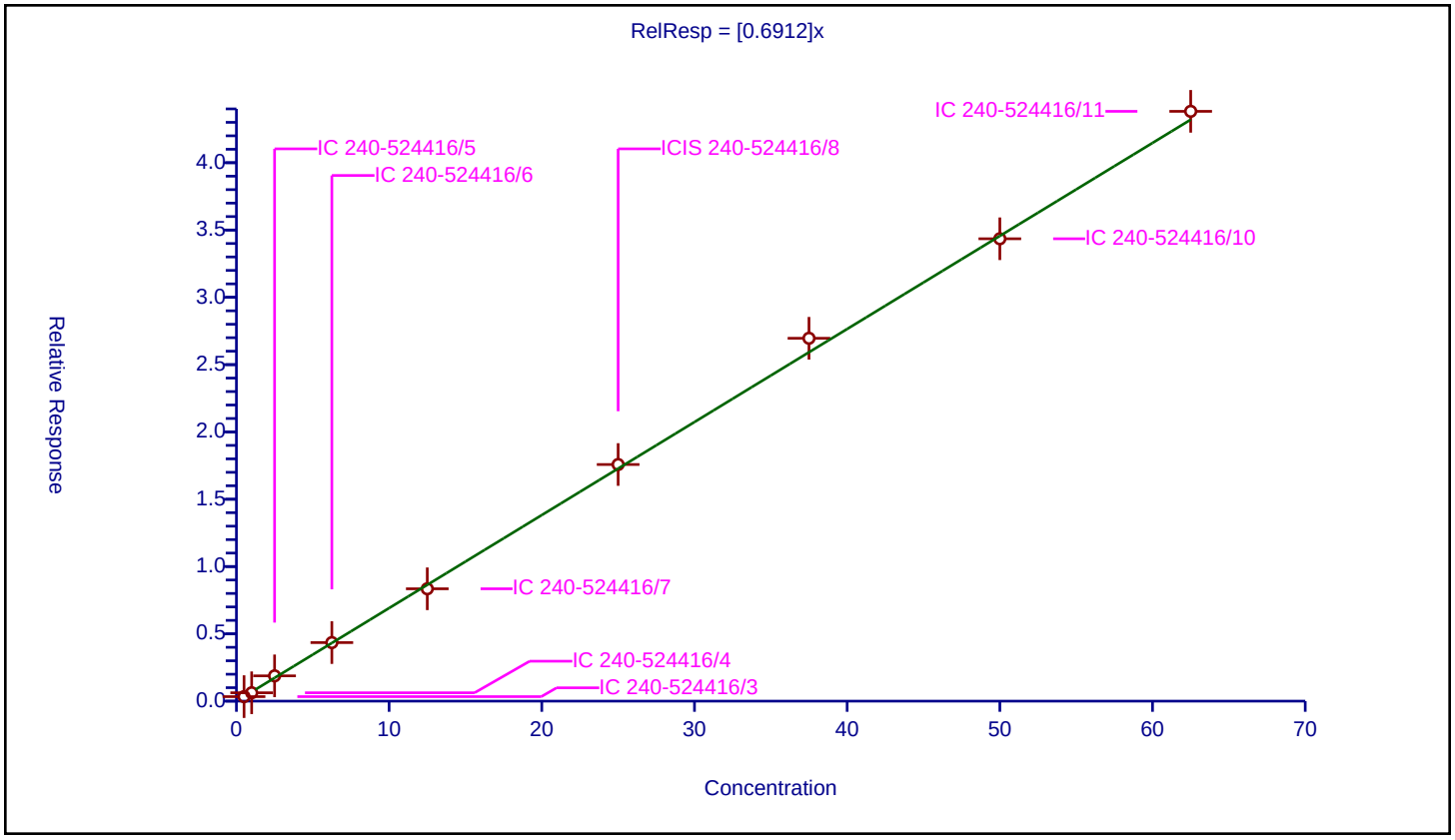
Curve Coefficients

Intercept:	0
Slope:	0.6912

Error Coefficients

Standard Error:	416000
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	IC 240-524416/3	0.5	0.336274	28.9	470789.0	0.672548	Y
2	IC 240-524416/4	1.0	0.622525	28.9	488704.0	0.622525	Y
3	IC 240-524416/5	2.5	1.87883	28.9	463903.0	0.751532	Y
4	IC 240-524416/6	6.25	4.350205	28.9	488181.0	0.696033	Y
5	IC 240-524416/7	12.5	8.347782	28.9	505417.0	0.667823	Y
6	ICIS 240-524416/8	25.0	17.579877	28.9	502732.0	0.703195	Y
7	IC 240-524416/9	37.5	26.958482	28.9	509597.0	0.718893	Y
8	IC 240-524416/10	50.0	34.352505	28.9	520173.0	0.68705	Y
9	IC 240-524416/11	62.5	43.817673	28.9	534468.0	0.701083	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

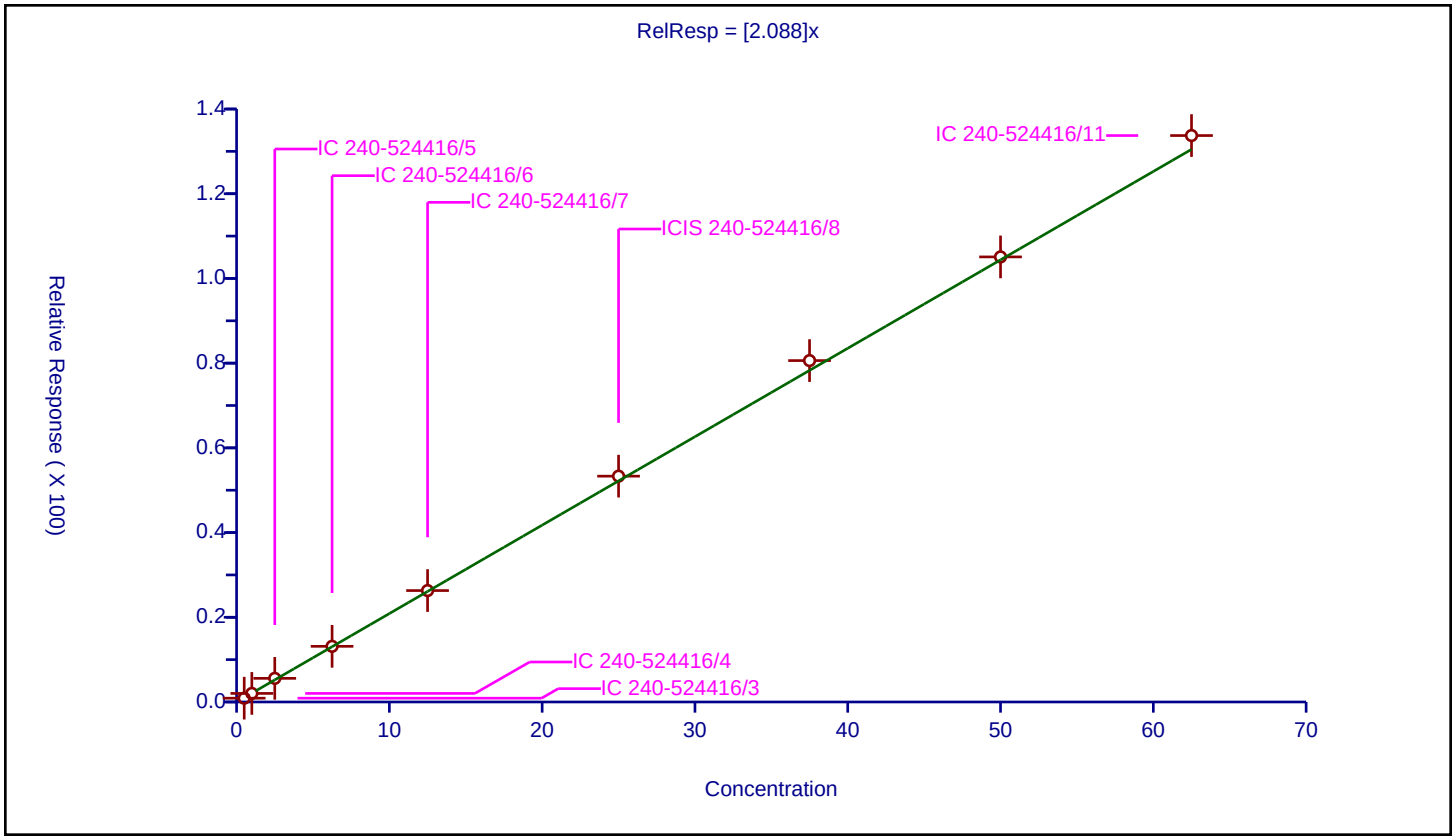
Curve Coefficients

Intercept:	0
Slope:	2.088

Error Coefficients

Standard Error:	1270000
Relative Standard Error:	5.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.898389	28.9	470789.0	1.796777	Y
2	IC 240-524416/4	1.0	2.027123	28.9	488704.0	2.027123	Y
3	IC 240-524416/5	2.5	5.584286	28.9	463903.0	2.233714	Y
4	IC 240-524416/6	6.25	13.142612	28.9	488181.0	2.102818	Y
5	IC 240-524416/7	12.5	26.308236	28.9	505417.0	2.104659	Y
6	ICIS 240-524416/8	25.0	53.315295	28.9	502732.0	2.132612	Y
7	IC 240-524416/9	37.5	80.606522	28.9	509597.0	2.149507	Y
8	IC 240-524416/10	50.0	105.08401	28.9	520173.0	2.10168	Y
9	IC 240-524416/11	62.5	133.73374	28.9	534468.0	2.13974	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

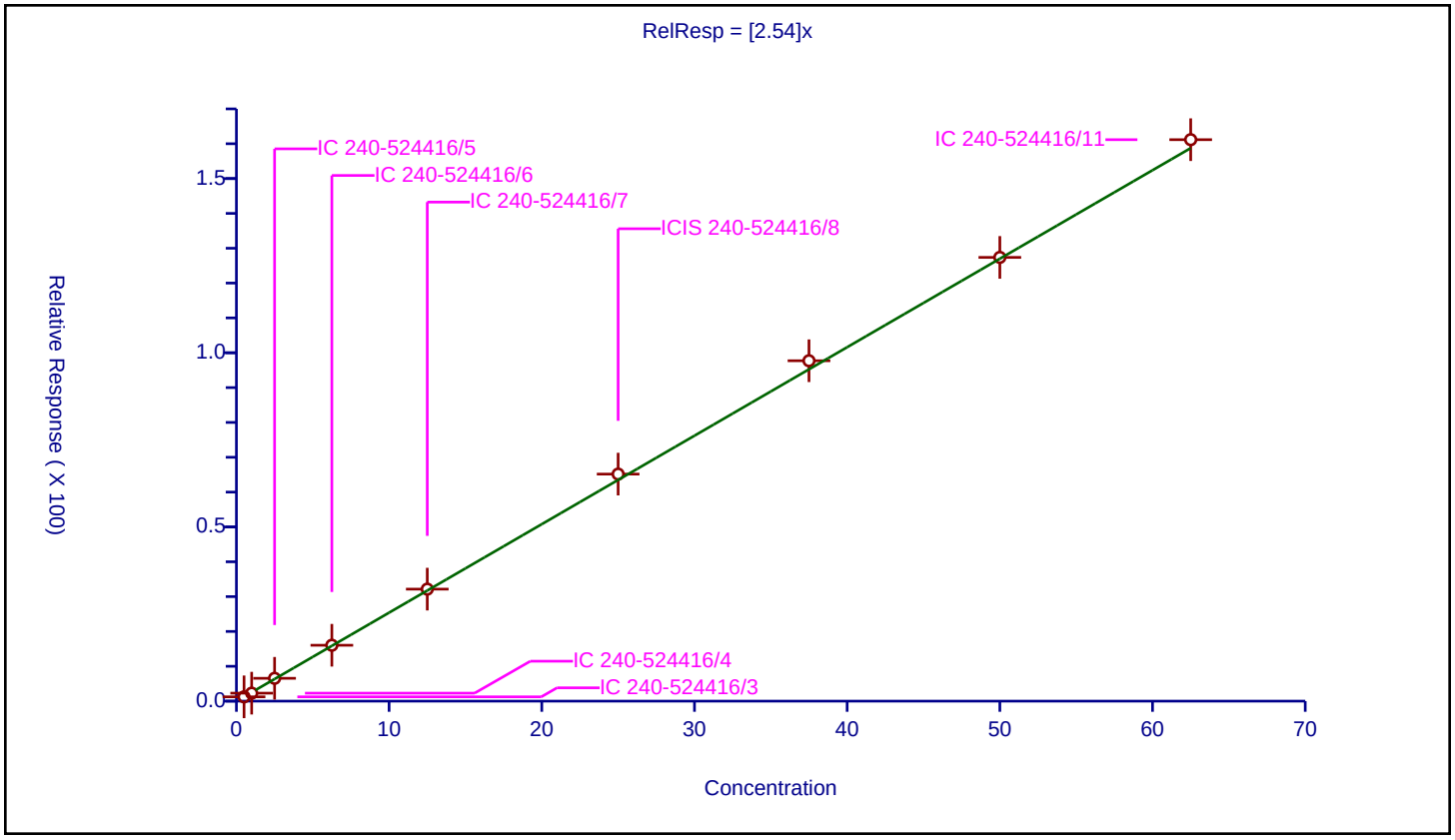
Curve Coefficients

Intercept:	0
Slope:	2.54

Error Coefficients

Standard Error:	1530000
Relative Standard Error:	4.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	1.232637	28.9	470789.0	2.465274	Y
2	IC 240-524416/4	1.0	2.292998	28.9	488704.0	2.292998	Y
3	IC 240-524416/5	2.5	6.556065	28.9	463903.0	2.622426	Y
4	IC 240-524416/6	6.25	16.046932	28.9	488181.0	2.567509	Y
5	IC 240-524416/7	12.5	32.153685	28.9	505417.0	2.572295	Y
6	ICIS 240-524416/8	25.0	65.169692	28.9	502732.0	2.606788	Y
7	IC 240-524416/9	37.5	97.70628	28.9	509597.0	2.605501	Y
8	IC 240-524416/10	50.0	127.372278	28.9	520173.0	2.547446	Y
9	IC 240-524416/11	62.5	161.159455	28.9	534468.0	2.578551	Y



Calibration / sec-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

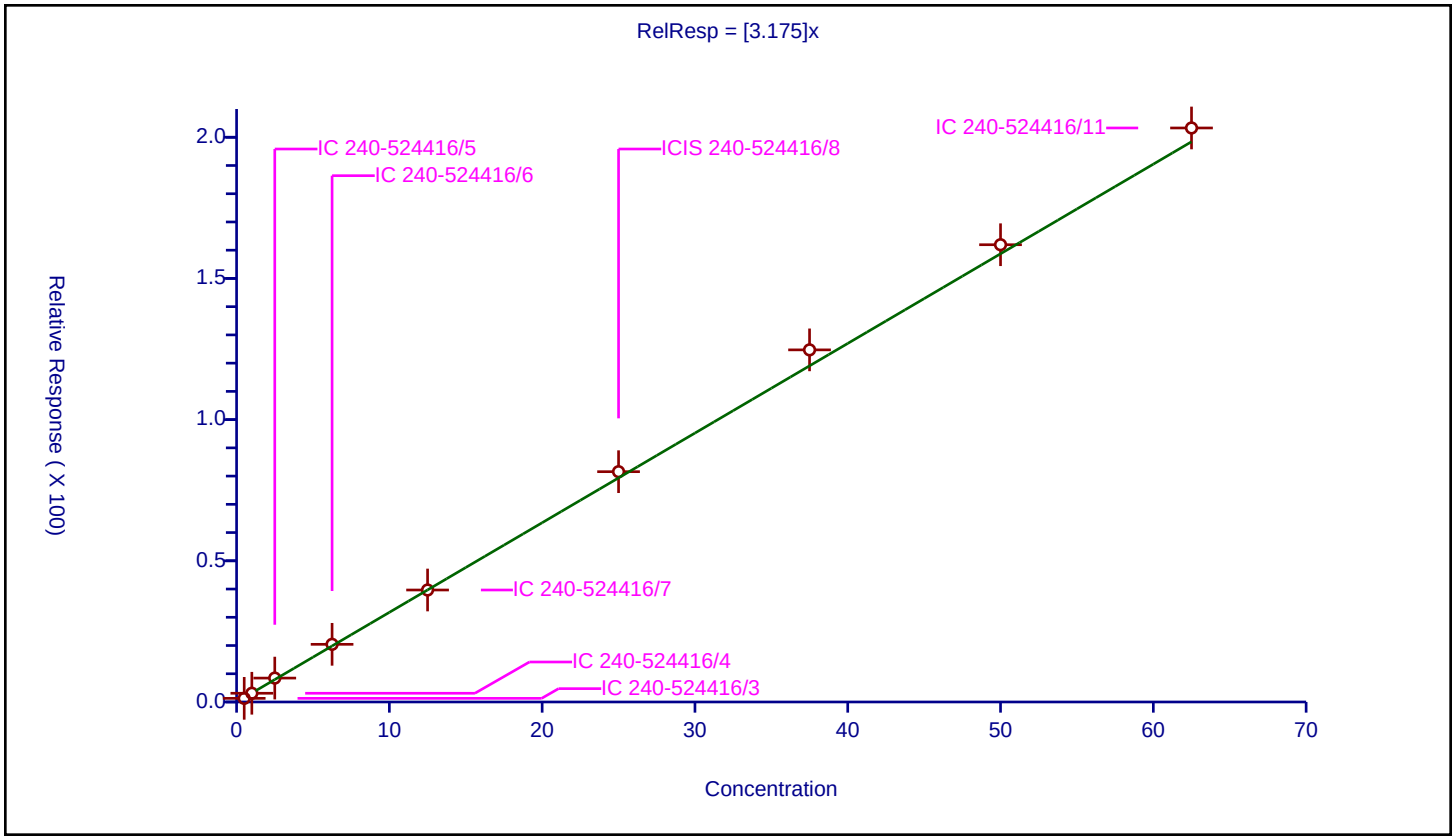
Curve Coefficients

Intercept:	0
Slope:	3.175

Error Coefficients

Standard Error:	1940000
Relative Standard Error:	7.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	1.286166	28.9	470789.0	2.572332	Y
2	IC 240-524416/4	1.0	3.091394	28.9	488704.0	3.091394	Y
3	IC 240-524416/5	2.5	8.469533	28.9	463903.0	3.387813	Y
4	IC 240-524416/6	6.25	20.422416	28.9	488181.0	3.267587	Y
5	IC 240-524416/7	12.5	39.659656	28.9	505417.0	3.172772	Y
6	ICIS 240-524416/8	25.0	81.560071	28.9	502732.0	3.262403	Y
7	IC 240-524416/9	37.5	124.698847	28.9	509597.0	3.325303	Y
8	IC 240-524416/10	50.0	161.938572	28.9	520173.0	3.238771	Y
9	IC 240-524416/11	62.5	203.287255	28.9	534468.0	3.252596	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

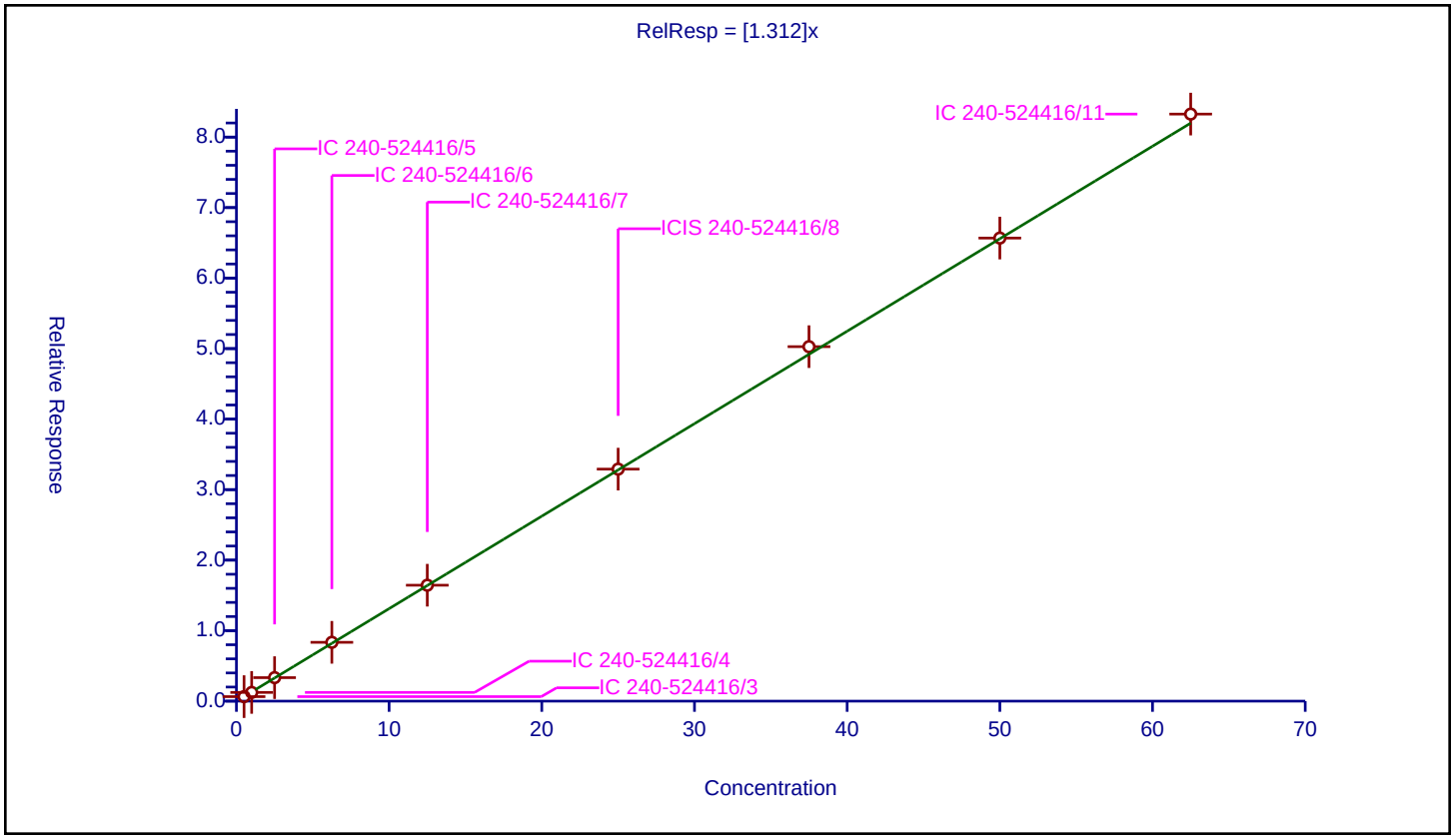
Curve Coefficients

Intercept:	0
Slope:	1.312

Error Coefficients

Standard Error:	790000
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	IC 240-524416/3	0.5	0.64118	28.9	470789.0	1.28236	Y
2	IC 240-524416/4	1.0	1.235883	28.9	488704.0	1.235883	Y
3	IC 240-524416/5	2.5	3.334848	28.9	463903.0	1.333939	Y
4	IC 240-524416/6	6.25	8.343971	28.9	488181.0	1.335035	Y
5	IC 240-524416/7	12.5	16.441397	28.9	505417.0	1.315312	Y
6	ICIS 240-524416/8	25.0	32.907629	28.9	502732.0	1.316305	Y
7	IC 240-524416/9	37.5	50.278867	28.9	509597.0	1.34077	Y
8	IC 240-524416/10	50.0	65.680465	28.9	520173.0	1.313609	Y
9	IC 240-524416/11	62.5	83.263911	28.9	534468.0	1.332223	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

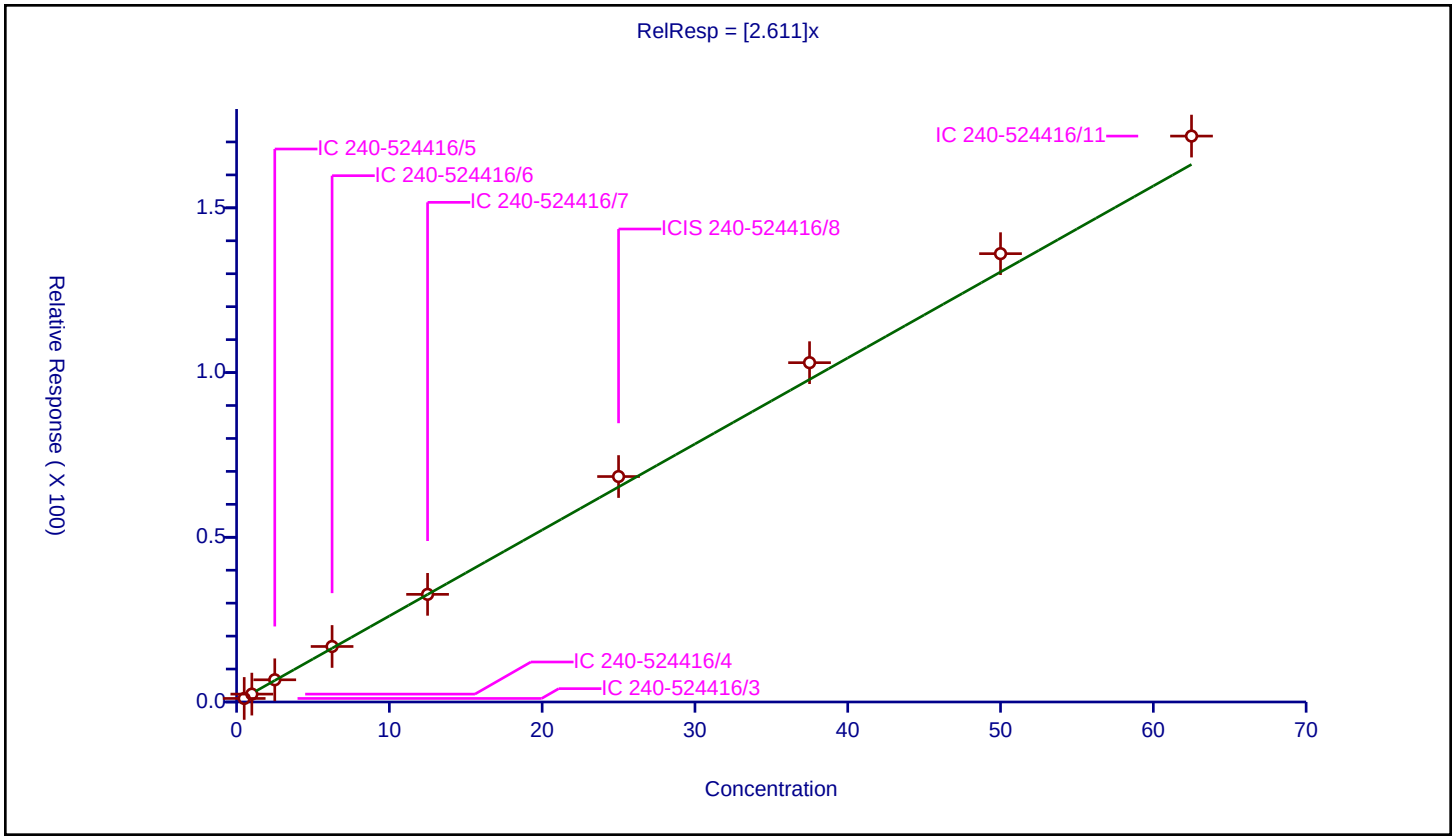
Curve Coefficients

Intercept:	0
Slope:	2.611

Error Coefficients

Standard Error:	1630000
Relative Standard Error:	8.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	1.070086	28.9	470789.0	2.140172	Y
2	IC 240-524416/4	1.0	2.39554	28.9	488704.0	2.39554	Y
3	IC 240-524416/5	2.5	6.741649	28.9	463903.0	2.69666	Y
4	IC 240-524416/6	6.25	16.85157	28.9	488181.0	2.696251	Y
5	IC 240-524416/7	12.5	32.676544	28.9	505417.0	2.614123	Y
6	ICIS 240-524416/8	25.0	68.438225	28.9	502732.0	2.737529	Y
7	IC 240-524416/9	37.5	103.000184	28.9	509597.0	2.746672	Y
8	IC 240-524416/10	50.0	136.092341	28.9	520173.0	2.721847	Y
9	IC 240-524416/11	62.5	171.784423	28.9	534468.0	2.748551	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

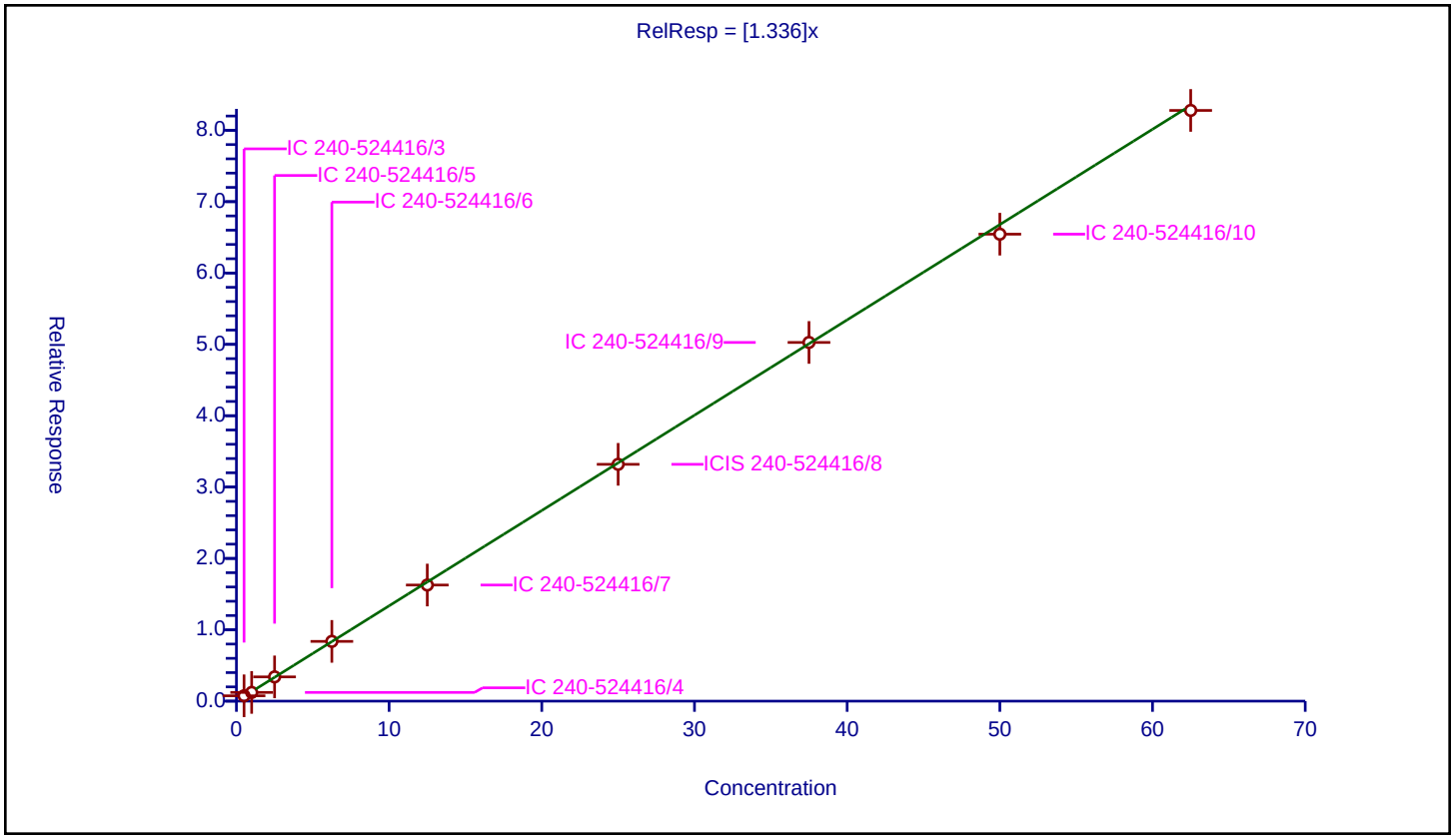
Curve Coefficients

Intercept:	0
Slope:	1.336

Error Coefficients

Standard Error:	787000
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	IC 240-524416/3	0.5	0.74922	28.9	470789.0	1.49844	Y
2	IC 240-524416/4	1.0	1.22104	28.9	488704.0	1.22104	Y
3	IC 240-524416/5	2.5	3.397519	28.9	463903.0	1.359008	Y
4	IC 240-524416/6	6.25	8.374518	28.9	488181.0	1.339923	Y
5	IC 240-524416/7	12.5	16.271456	28.9	505417.0	1.301717	Y
6	ICIS 240-524416/8	25.0	33.187413	28.9	502732.0	1.327497	Y
7	IC 240-524416/9	37.5	50.269623	28.9	509597.0	1.340523	Y
8	IC 240-524416/10	50.0	65.442508	28.9	520173.0	1.30885	Y
9	IC 240-524416/11	62.5	82.782234	28.9	534468.0	1.324516	Y



Calibration / n-Butylbenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

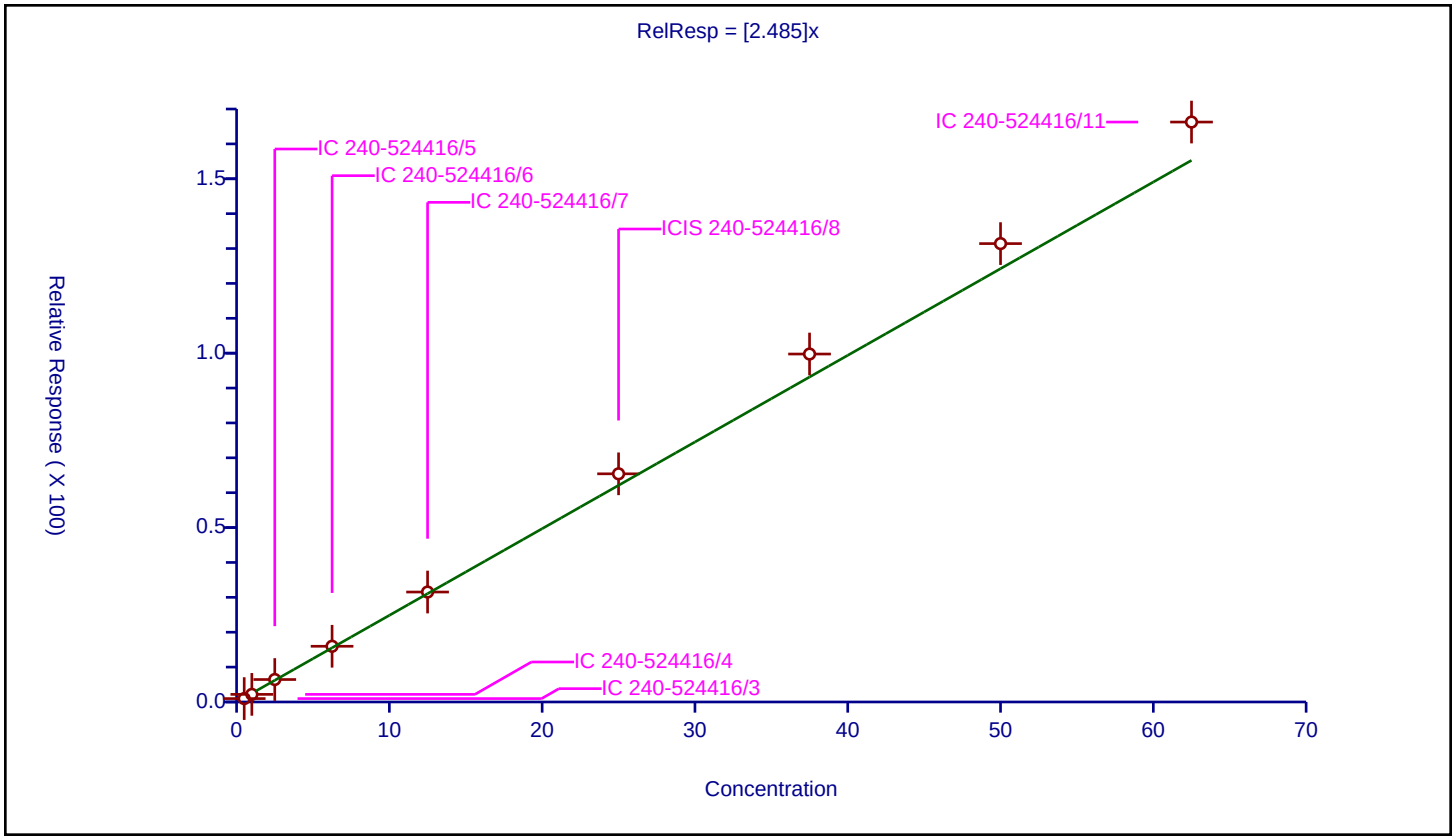
Curve Coefficients

Intercept:	0
Slope:	2.485

Error Coefficients

Standard Error:	1570000
Relative Standard Error:	9.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.978436	28.9	470789.0	1.956873	Y
2	IC 240-524416/4	1.0	2.183065	28.9	488704.0	2.183065	Y
3	IC 240-524416/5	2.5	6.443493	28.9	463903.0	2.577397	Y
4	IC 240-524416/6	6.25	15.973703	28.9	488181.0	2.555792	Y
5	IC 240-524416/7	12.5	31.526072	28.9	505417.0	2.522086	Y
6	ICIS 240-524416/8	25.0	65.418778	28.9	502732.0	2.616751	Y
7	IC 240-524416/9	37.5	99.758442	28.9	509597.0	2.660225	Y
8	IC 240-524416/10	50.0	131.415988	28.9	520173.0	2.62832	Y
9	IC 240-524416/11	62.5	166.259894	28.9	534468.0	2.660158	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

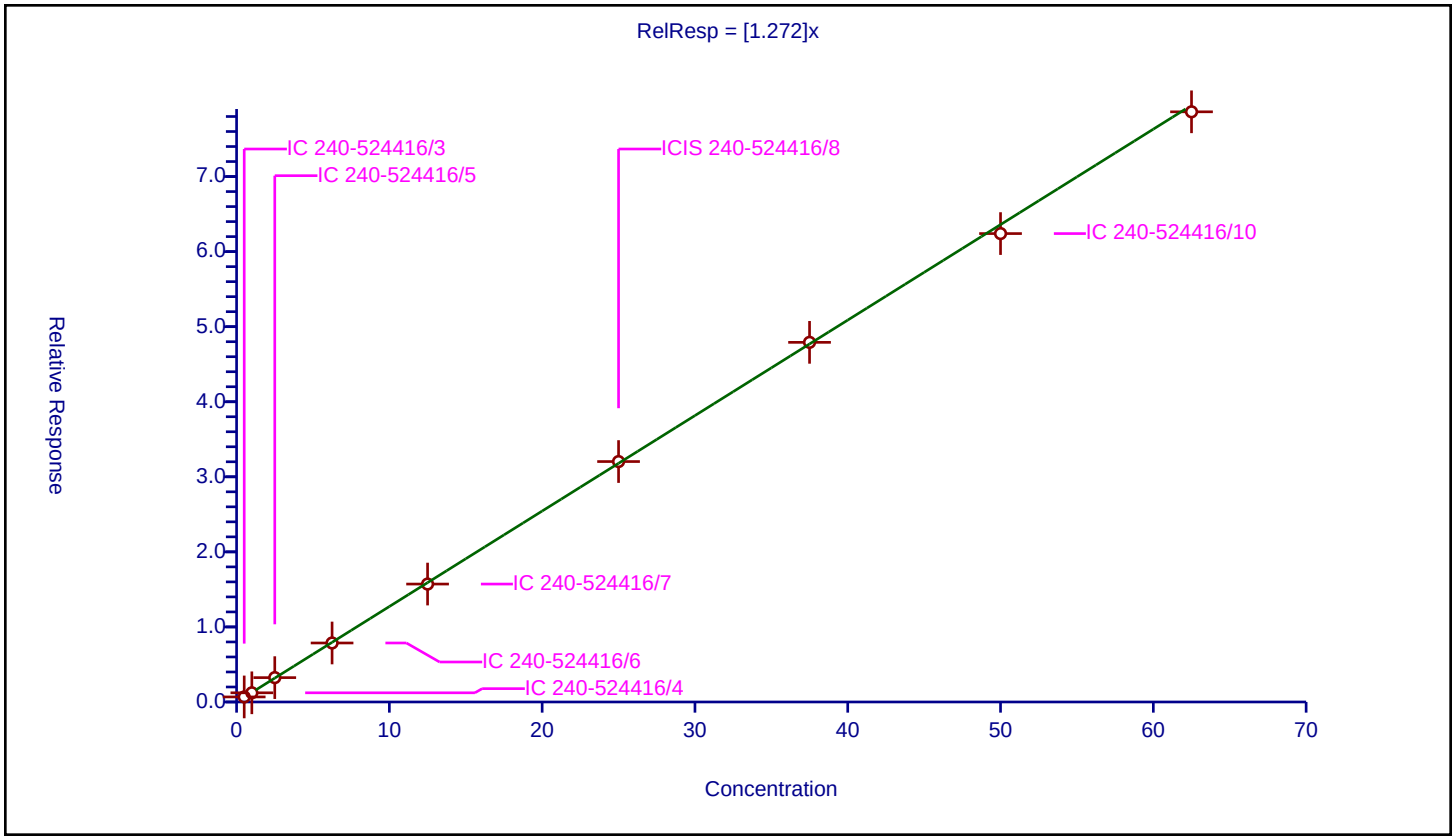
Curve Coefficients

Intercept:	0
Slope:	1.272

Error Coefficients

Standard Error:	750000
Relative Standard Error:	2.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.673162	28.9	470789.0	1.346325	Y
2	IC 240-524416/4	1.0	1.223228	28.9	488704.0	1.223228	Y
3	IC 240-524416/5	2.5	3.2457	28.9	463903.0	1.29828	Y
4	IC 240-524416/6	6.25	7.861141	28.9	488181.0	1.257783	Y
5	IC 240-524416/7	12.5	15.710687	28.9	505417.0	1.256855	Y
6	ICIS 240-524416/8	25.0	32.031832	28.9	502732.0	1.281273	Y
7	IC 240-524416/9	37.5	47.913885	28.9	509597.0	1.277704	Y
8	IC 240-524416/10	50.0	62.404183	28.9	520173.0	1.248084	Y
9	IC 240-524416/11	62.5	78.628225	28.9	534468.0	1.258052	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

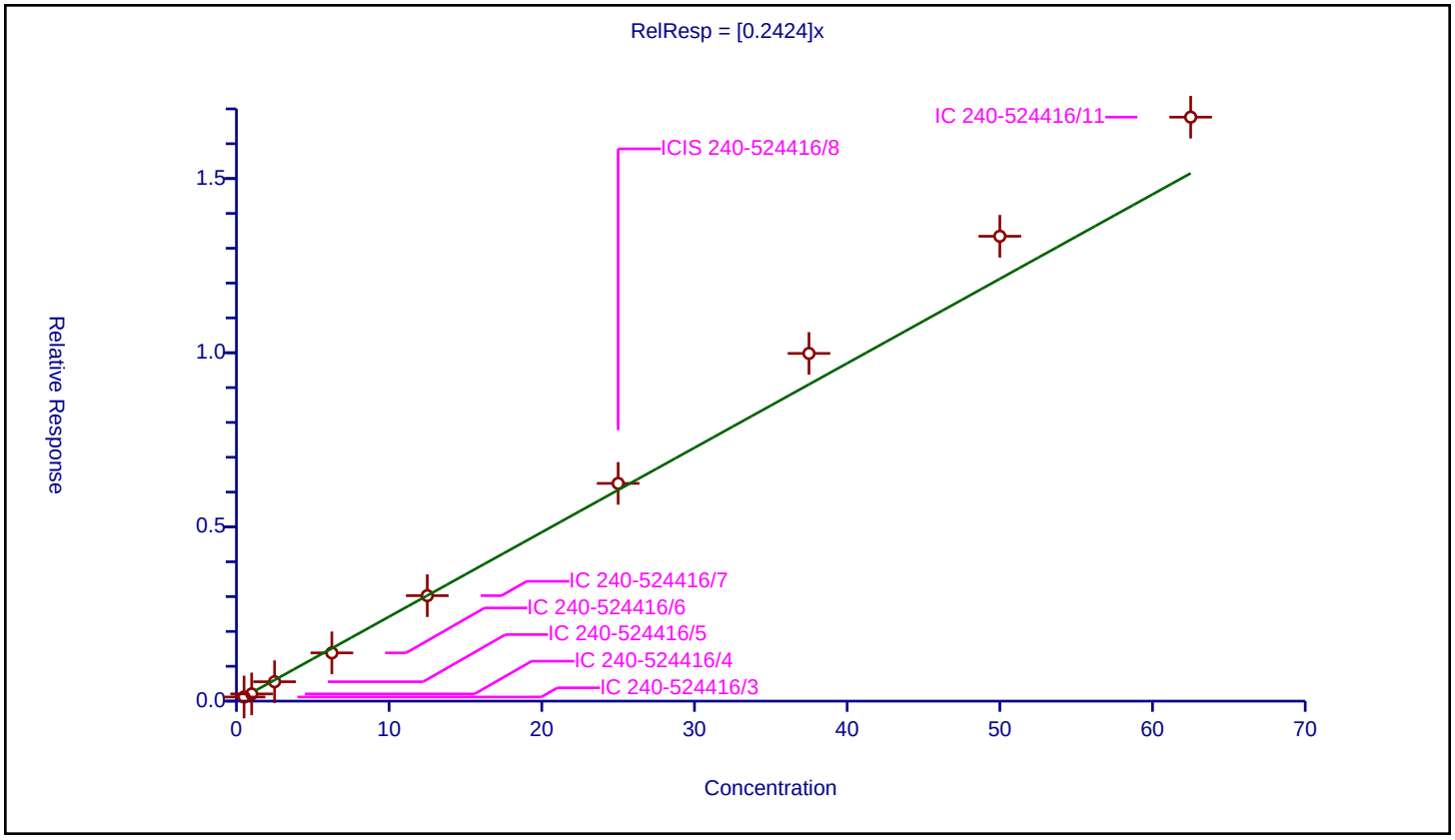
Curve Coefficients

Intercept:	0
Slope:	0.2424

Error Coefficients

Standard Error:	158000
Relative Standard Error:	9.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.118476	28.9	470789.0	0.236951	Y
2	IC 240-524416/4	1.0	0.207094	28.9	488704.0	0.207094	Y
3	IC 240-524416/5	2.5	0.557002	28.9	463903.0	0.222801	Y
4	IC 240-524416/6	6.25	1.38491	28.9	488181.0	0.221586	Y
5	IC 240-524416/7	12.5	3.028051	28.9	505417.0	0.242244	Y
6	ICIS 240-524416/8	25.0	6.249982	28.9	502732.0	0.249999	Y
7	IC 240-524416/9	37.5	9.98088	28.9	509597.0	0.266157	Y
8	IC 240-524416/10	50.0	13.344304	28.9	520173.0	0.266886	Y
9	IC 240-524416/11	62.5	16.762733	28.9	534468.0	0.268204	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

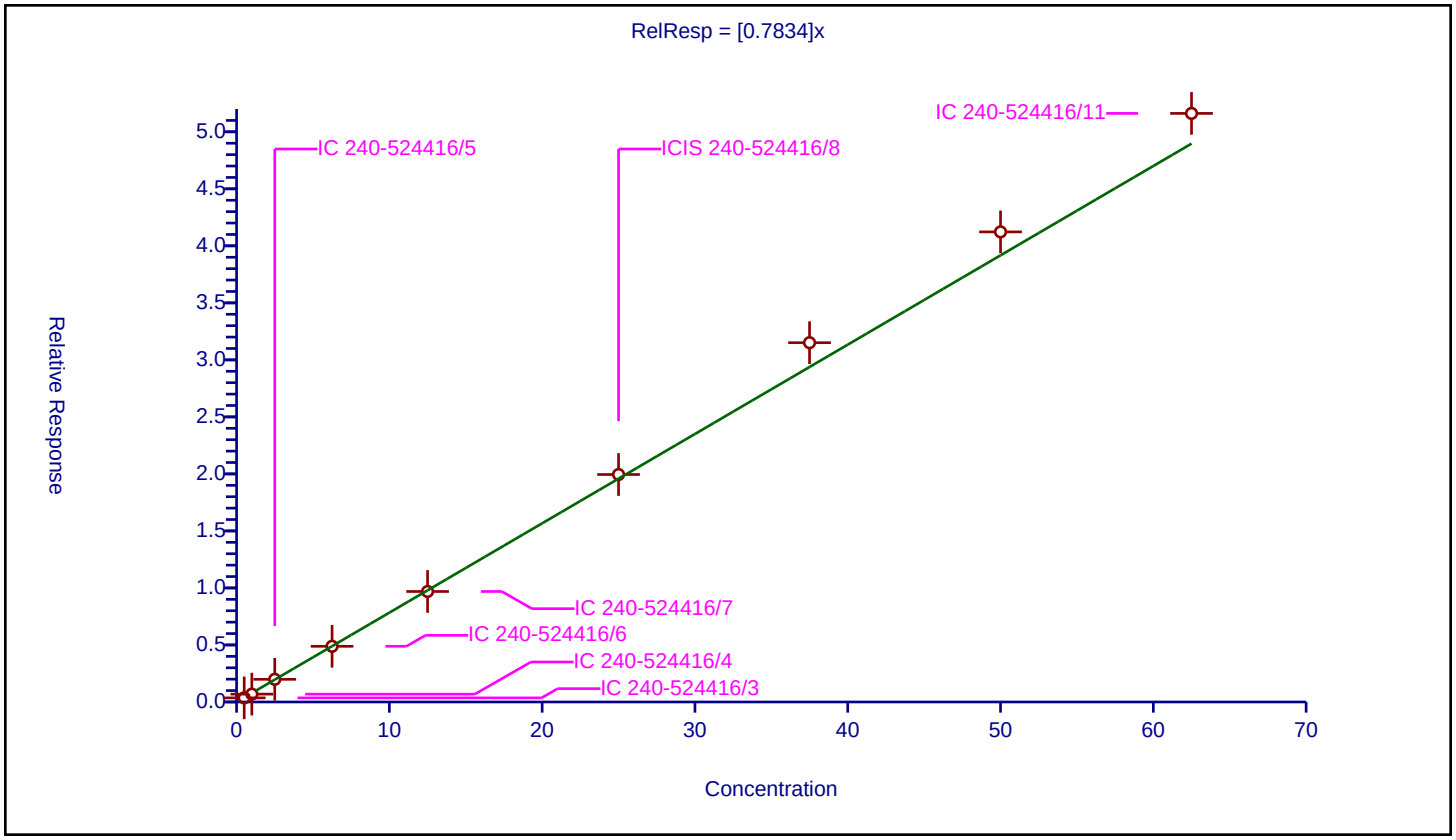
Curve Coefficients

Intercept:	0
Slope:	0.7834

Error Coefficients

Standard Error:	491000
Relative Standard Error:	6.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.360829	28.9	470789.0	0.721657	Y
2	IC 240-524416/4	1.0	0.688343	28.9	488704.0	0.688343	Y
3	IC 240-524416/5	2.5	1.988412	28.9	463903.0	0.795365	Y
4	IC 240-524416/6	6.25	4.883592	28.9	488181.0	0.781375	Y
5	IC 240-524416/7	12.5	9.690095	28.9	505417.0	0.775208	Y
6	ICIS 240-524416/8	25.0	19.949618	28.9	502732.0	0.797985	Y
7	IC 240-524416/9	37.5	31.507651	28.9	509597.0	0.840204	Y
8	IC 240-524416/10	50.0	41.223806	28.9	520173.0	0.824476	Y
9	IC 240-524416/11	62.5	51.613408	28.9	534468.0	0.825815	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

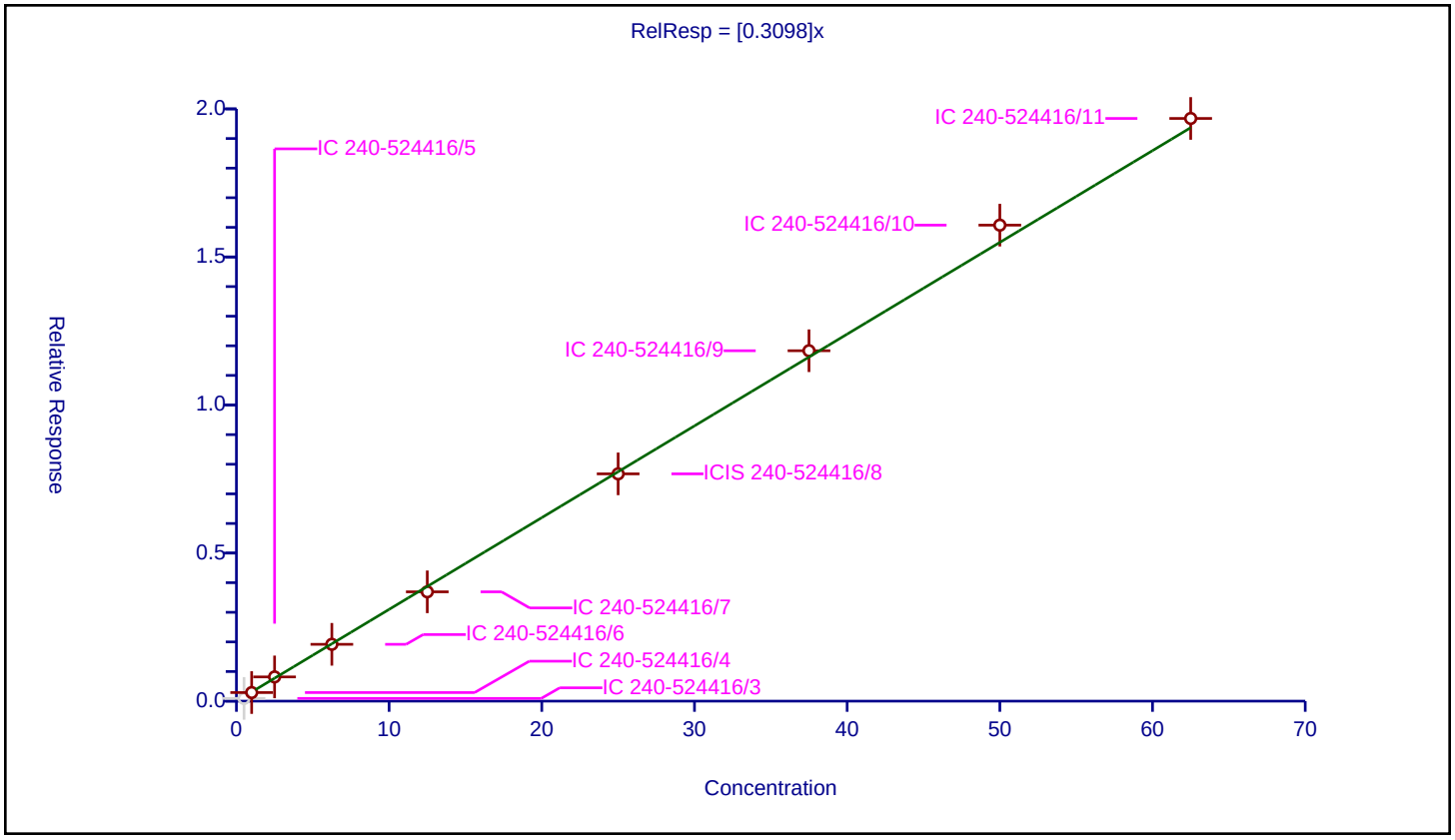
Curve Coefficients

Intercept:	0
Slope:	0.3098

Error Coefficients

Standard Error:	201000
Relative Standard Error:	4.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	0.091773	28.9	470789.0	0.183545	N
2	IC 240-524416/4	1.0	0.290417	28.9	488704.0	0.290417	Y
3	IC 240-524416/5	2.5	0.817779	28.9	463903.0	0.327112	Y
4	IC 240-524416/6	6.25	1.919302	28.9	488181.0	0.307088	Y
5	IC 240-524416/7	12.5	3.69123	28.9	505417.0	0.295298	Y
6	ICIS 240-524416/8	25.0	7.674942	28.9	502732.0	0.306998	Y
7	IC 240-524416/9	37.5	11.833474	28.9	509597.0	0.315559	Y
8	IC 240-524416/10	50.0	16.07439	28.9	520173.0	0.321488	Y
9	IC 240-524416/11	62.5	19.676968	28.9	534468.0	0.314831	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

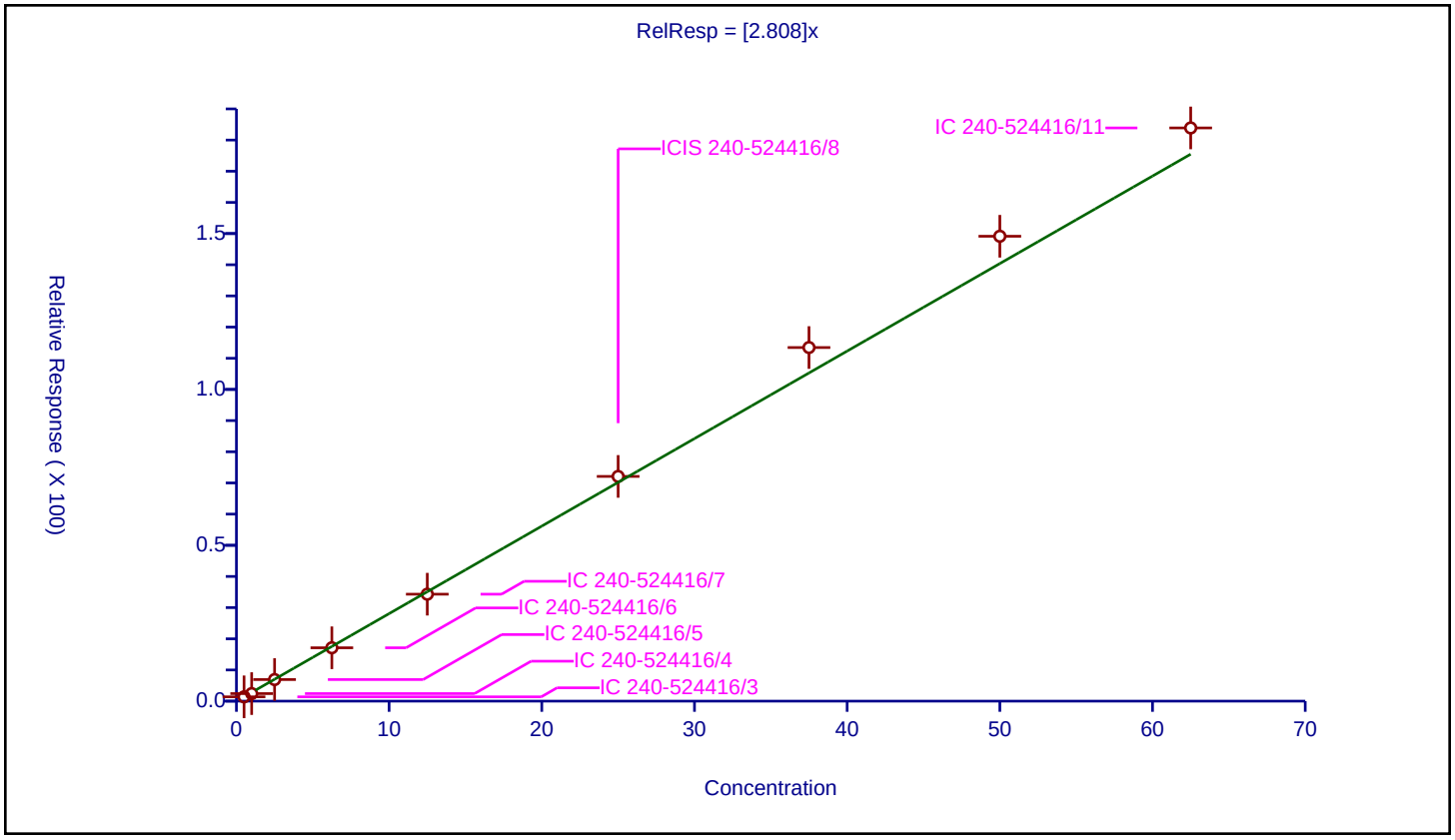
Curve Coefficients

Intercept:	0
Slope:	2.808

Error Coefficients

Standard Error:	1760000
Relative Standard Error:	6.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-524416/3	0.5	1.377816	28.9	470789.0	2.755632	Y
2	IC 240-524416/4	1.0	2.424872	28.9	488704.0	2.424872	Y
3	IC 240-524416/5	2.5	6.922997	28.9	463903.0	2.769199	Y
4	IC 240-524416/6	6.25	17.121519	28.9	488181.0	2.739443	Y
5	IC 240-524416/7	12.5	34.313507	28.9	505417.0	2.745081	Y
6	ICIS 240-524416/8	25.0	72.09657	28.9	502732.0	2.883863	Y
7	IC 240-524416/9	37.5	113.441107	28.9	509597.0	3.025096	Y
8	IC 240-524416/10	50.0	149.141741	28.9	520173.0	2.982835	Y
9	IC 240-524416/11	62.5	183.887678	28.9	534468.0	2.942203	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

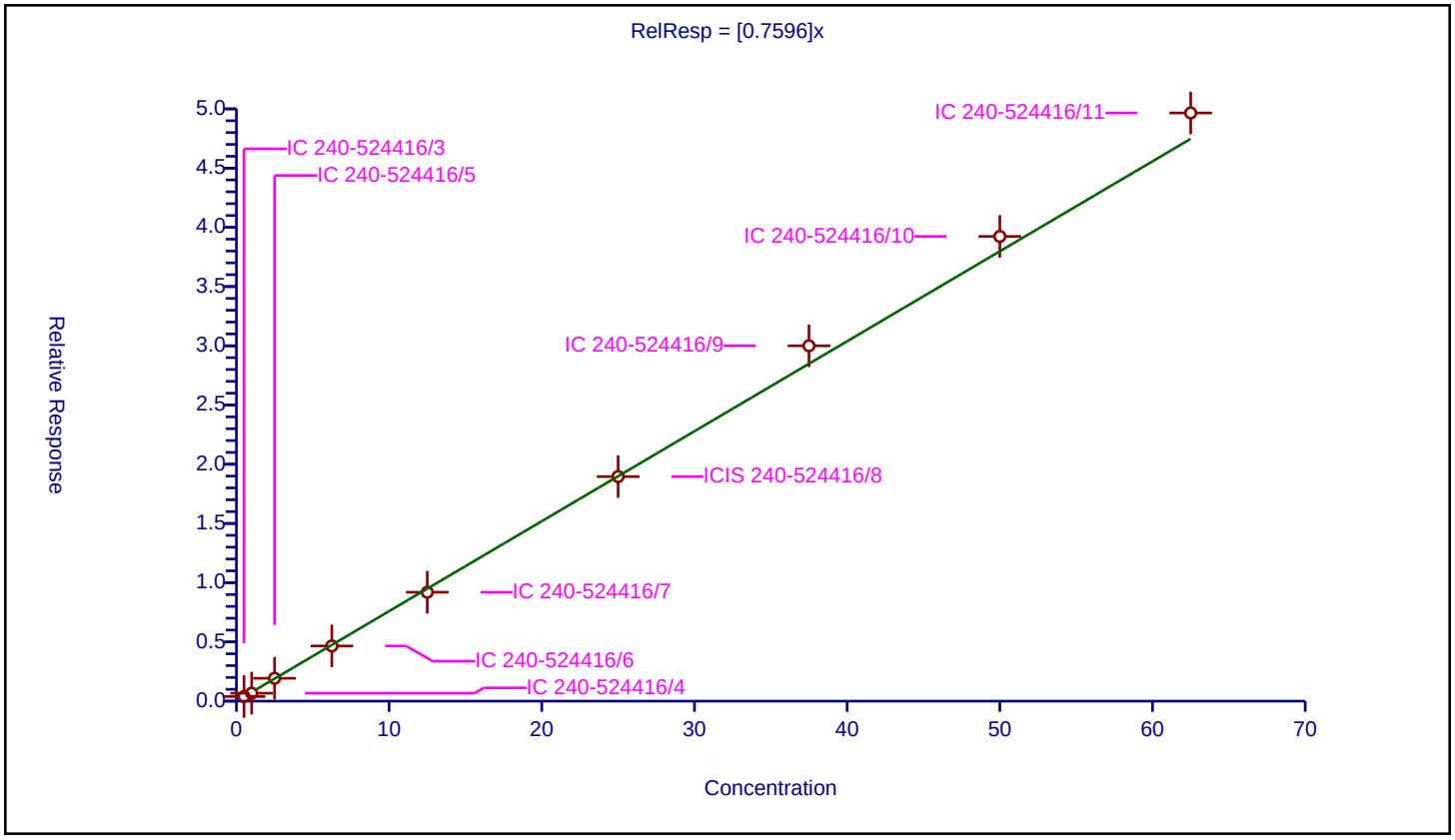
Curve Coefficients

Intercept:	0
Slope:	0.7596

Error Coefficients

Standard Error:	469000
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	IC 240-524416/3	0.5	0.387348	28.9	470789.0	0.774695	Y
2	IC 240-524416/4	1.0	0.670721	28.9	488704.0	0.670721	Y
3	IC 240-524416/5	2.5	1.93116	28.9	463903.0	0.772464	Y
4	IC 240-524416/6	6.25	4.657568	28.9	488181.0	0.745211	Y
5	IC 240-524416/7	12.5	9.19474	28.9	505417.0	0.735579	Y
6	ICIS 240-524416/8	25.0	18.957757	28.9	502732.0	0.75831	Y
7	IC 240-524416/9	37.5	29.998445	28.9	509597.0	0.799959	Y
8	IC 240-524416/10	50.0	39.230647	28.9	520173.0	0.784613	Y
9	IC 240-524416/11	62.5	49.654957	28.9	534468.0	0.794479	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab Sample ID: ICV 240-522080/28 Calibration Date: 04/08/2022 01:37

Instrument ID: A3UX22 Calib Start Date: 04/07/2022 15:46

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/07/2022 18:55

Lab File ID: 225060.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	0.2712	0.2586		0.0276	0.0289	-4.6	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2973	0.2825		0.0275	0.0289	-5.0	30.0
Toluene-d8 (Surr)	Ave	1.331	1.303		0.0283	0.0289	-2.1	30.0
4-Bromofluorobenzene (Surr)	Ave	0.5049	0.4871		0.0279	0.0289	-3.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab Sample ID: ICV 240-522080/28 | Calibration Date: 04/08/2022 01:37

Instrument ID: A3UX22 | Calib Start Date: 04/07/2022 21:40

GC Column: DB-624 ID: 0.18(mm) | Calib End Date: 04/08/2022 00:50

Lab File ID: 225060.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	0.0622	0.0570		0.229	0.250	-8.4	30.0
Diisopropyl ether	Ave	0.2011	0.1997		0.0248	0.0250	-0.7	30.0
2-Chloro-1,3-butadiene	Ave	0.3881	0.3766		0.0243	0.0250	-3.0	30.0
Ethyl-t-butyl ether (ETBE)	Ave	0.7036	0.7117		0.0253	0.0250	1.1	30.0
Ethyl acetate	Ave	0.2958	0.3037		0.0513	0.0500	2.7	30.0
Propionitrile	Ave	0.0686	0.0668		0.244	0.250	-2.6	30.0
Methacrylonitrile	Ave	0.1922	0.1961		0.255	0.250	2.1	30.0
Tert-amyl-methyl ether (TAME)	Ave	0.9565	0.9665		0.0253	0.0250	1.0	30.0
n-Butanol	Ave	0.0137	0.0145		0.661	0.625	5.8	30.0
Ethyl acrylate	Ave	0.3851	0.3893		0.0253	0.0250	1.1	30.0
Methyl methacrylate	Ave	0.2378	0.2398		0.0504	0.0500	0.8	30.0
2-Nitropropane	Ave	0.1057	0.0957		0.0453	0.0500	-9.4	30.0
n-Butyl acetate	Ave	0.5940	0.6061		0.0255	0.0250	2.0	30.0
1-Chlorohexane	Ave	0.4836	0.4740		0.0245	0.0250	-2.0	30.0
Cyclohexanone	Ave	0.0292	0.0327		0.281	0.250	12.3	30.0
Pentachloroethane	Ave	0.0584	0.0234		0.0200	0.0500	-59.9*	30.0
1,2,3-Trimethylbenzene	Ave	2.655	2.851		0.0268	0.0250	7.4	30.0
Benzyl chloride	Ave	1.625	1.520		0.0234	0.0250	-6.5	30.0
1,3,5-Trichlorobenzene	Ave	0.8813	0.9467		0.0269	0.0250	7.4	30.0
2-Methylnaphthalene	Ave	1.278	1.353		0.0529	0.0500	5.9	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab Sample ID: ICV 240-524416/14 Calibration Date: 04/28/2022 20:14

Instrument ID: A3UX22 Calib Start Date: 04/28/2022 15:53

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/28/2022 19:03

Lab File ID: 225406.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	0.2760	0.2814	0.1000	0.0255	0.0250	1.9	30.0
Chloromethane	Ave	0.3111	0.3023	0.1000	0.0243	0.0250	-2.8	30.0
Vinyl chloride	Ave	0.3509	0.3444	0.1000	0.0245	0.0250	-1.9	30.0
Butadiene	Ave	0.3466	0.2713		0.0196	0.0250	-21.7	30.0
Bromomethane	Lin1		0.1663	0.0500	0.0294	0.0250	17.8	30.0
Chloroethane	Qua		0.2063	0.0500	0.0243	0.0250	-2.9	30.0
Trichlorofluoromethane	Ave	0.4379	0.3969	0.1000	0.0227	0.0250	-9.3	30.0
Dichlorofluoromethane	Ave	0.5584	0.5110		0.0229	0.0250	-8.5	30.0
Ethyl ether	Ave	0.2372	0.2067		0.0218	0.0250	-12.8	30.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.2330	0.2021	0.0500	0.0217	0.0250	-13.3	30.0
1,1-Dichloroethene	Ave	0.2272	0.2052	0.1000	0.0226	0.0250	-9.7	30.0
Acrolein	Ave	0.0537	0.0409		0.0951	0.125	-23.9	30.0
Acetone	Lin1		0.1224	0.0100	0.0465	0.0500	-6.9	50.0
Iodomethane	Ave	0.2017	0.2089		0.0259	0.0250	3.6	30.0
Carbon disulfide	Ave	0.7226	0.6027	0.1000	0.0209	0.0250	-16.6	30.0
3-Chloro-1-propene	Ave	0.3537	0.3186		0.0225	0.0250	-9.9	30.0
Methyl acetate	Ave	0.2800	0.2622	0.1000	0.0468	0.0500	-6.3	50.0
Methylene Chloride	Ave	0.2714	0.2489	0.1000	0.0229	0.0250	-8.3	50.0
tert-Butyl alcohol	Ave	0.0455	0.0519		0.285	0.250	14.2	30.0
Methyl tert-butyl ether	Ave	0.7279	0.7002	0.1000	0.0240	0.0250	-3.8	30.0
trans-1,2-Dichloroethene	Ave	0.2593	0.2313	0.1000	0.0223	0.0250	-10.8	30.0
Acrylonitrile	Ave	0.1519	0.1467		0.241	0.250	-3.4	30.0
Hexane	Ave	0.3325	0.2869		0.0216	0.0250	-13.7	30.0
1,1-Dichloroethane	Ave	0.4686	0.4207	0.2000	0.0224	0.0250	-10.2	30.0
Vinyl acetate	Ave	0.3689	0.2640		0.0179	0.0250	-28.4	30.0
2,2-Dichloropropane	Ave	0.0644	0.0571		0.0222	0.0250	-11.4	30.0
cis-1,2-Dichloroethene	Ave	0.2889	0.2664	0.1000	0.0230	0.0250	-7.8	30.0
2-Butanone	Ave	0.0512	0.0498	0.0100	0.0486	0.0500	-2.8	50.0
Bromochloromethane	Ave	0.2162	0.1873		0.0217	0.0250	-13.4	30.0
Tetrahydrofuran	Ave	0.1309	0.1232		0.0471	0.0500	-5.9	30.0
Chloroform	Ave	0.4748	0.4320	0.2000	0.0227	0.0250	-9.0	30.0
Cyclohexane	Ave	0.4000	0.3554	0.1000	0.0222	0.0250	-11.1	30.0
1,1,1-Trichloroethane	Ave	0.3821	0.3543	0.1000	0.0232	0.0250	-7.3	30.0
Carbon tetrachloride	Ave	0.2864	0.2649	0.1000	0.0231	0.0250	-7.5	30.0
1,1-Dichloropropene	Ave	0.3519	0.3310		0.0235	0.0250	-5.9	30.0
Benzene	Ave	1.036	0.9709	0.5000	0.0234	0.0250	-6.3	30.0
Isobutyl alcohol	Qua		0.0123		0.669	0.625	7.1	30.0
1,2-Dichloroethane	Ave	0.3644	0.3314	0.1000	0.0227	0.0250	-9.1	30.0
n-Heptane	Ave	0.0673	0.0605		0.0225	0.0250	-10.1	30.0
Trichloroethene	Ave	0.2548	0.2502	0.1500	0.0246	0.0250	-1.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab Sample ID: ICV 240-524416/14 | Calibration Date: 04/28/2022 20:14

Instrument ID: A3UX22 | Calib Start Date: 04/28/2022 15:53

GC Column: DB-624 ID: 0.18(mm) | Calib End Date: 04/28/2022 19:03

Lab File ID: 225406.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	0.4217	0.3833	0.1000	0.0227	0.0250	-9.1	30.0
1,2-Dichloropropane	Ave	0.2550	0.2452	0.1000	0.0240	0.0250	-3.8	30.0
Dibromomethane	Ave	0.1559	0.1462		0.0234	0.0250	-6.2	30.0
1,4-Dioxane	Lin1		0.0057		0.530	0.500	5.9	50.0
Bromodichloromethane	Ave	0.3392	0.3193	0.1500	0.0235	0.0250	-5.9	30.0
2-Chloroethyl vinyl ether	Ave	0.1846	0.1822		0.0247	0.0250	-1.3	30.0
cis-1,3-Dichloropropene	Ave	0.3798	0.3620	0.1500	0.0238	0.0250	-4.7	50.0
4-Methyl-2-pentanone	Ave	0.3275	0.3209	0.0500	0.0490	0.0500	-2.0	50.0
Toluene	Ave	1.453	1.372	0.4000	0.0236	0.0250	-5.6	30.0
trans-1,3-Dichloropropene	Ave	0.4240	0.4319	0.1000	0.0255	0.0250	1.9	30.0
Ethyl methacrylate	Ave	0.4165	0.4478		0.0269	0.0250	7.5	30.0
1,1,2-Trichloroethane	Ave	0.3056	0.3048	0.1000	0.0249	0.0250	-0.3	30.0
Tetrachloroethene	Ave	0.3088	0.3064	0.1500	0.0248	0.0250	-0.8	30.0
1,3-Dichloropropane	Ave	0.5437	0.5342		0.0246	0.0250	-1.8	30.0
2-Hexanone	Ave	0.3385	0.3423	0.0500	0.0506	0.0500	1.1	50.0
Dibromochloromethane	Ave	0.2969	0.2956		0.0249	0.0250	-0.4	30.0
1,2-Dibromoethane	Ave	0.3178	0.3201		0.0252	0.0250	0.7	30.0
Chlorobenzene	Ave	0.8873	0.8622	0.3000	0.0243	0.0250	-2.8	30.0
Ethylbenzene	Ave	0.4892	0.4786		0.0245	0.0250	-2.2	30.0
1,1,1,2-Tetrachloroethane	Ave	0.2639	0.2676		0.0253	0.0250	1.4	30.0
m-Xylene & p-Xylene	Ave	0.6020	0.5822		0.0242	0.0250	-3.3	30.0
o-Xylene	Ave	0.5852	0.5802		0.0248	0.0250	-0.8	30.0
Styrene	Ave	0.9830	0.9718	0.3000	0.0247	0.0250	-1.1	30.0
Bromoform	Ave	0.1904	0.1938	0.1000	0.0255	0.0250	1.8	30.0
Isopropylbenzene	Ave	1.533	1.517	0.1000	0.0247	0.0250	-1.0	30.0
Bromobenzene	Ave	0.6663	0.6628		0.0249	0.0250	-0.5	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9613	0.9334	0.3000	0.0243	0.0250	-2.9	30.0
n-Propylbenzene	Ave	0.7996	0.8082		0.0253	0.0250	1.1	30.0
1,2,3-Trichloropropane	Ave	0.3079	0.3122		0.0253	0.0250	1.4	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2342	0.2533		0.0270	0.0250	8.2	30.0
2-Chlorotoluene	Ave	0.6772	0.6792		0.0251	0.0250	0.3	30.0
1,3,5-Trimethylbenzene	Ave	2.456	2.514		0.0256	0.0250	2.4	30.0
4-Chlorotoluene	Ave	0.6912	0.6957		0.0252	0.0250	0.7	30.0
tert-Butylbenzene	Ave	2.088	2.126		0.0255	0.0250	1.8	30.0
1,2,4-Trimethylbenzene	Ave	2.540	2.571		0.0253	0.0250	1.2	30.0
sec-Butylbenzene	Ave	3.175	3.225		0.0254	0.0250	1.6	30.0
1,3-Dichlorobenzene	Ave	1.312	1.310	0.6000	0.0250	0.0250	-0.1	30.0
p-Isopropyltoluene	Ave	2.611	2.716		0.0260	0.0250	4.0	30.0
1,4-Dichlorobenzene	Ave	1.336	1.338	0.5000	0.0251	0.0250	0.2	30.0
n-Butylbenzene	Ave	2.485	2.542		0.0256	0.0250	2.3	30.0
1,2-Dichlorobenzene	Ave	1.272	1.282	0.4000	0.0252	0.0250	0.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab Sample ID: ICV 240-524416/14 Calibration Date: 04/28/2022 20:14

Instrument ID: A3UX22 Calib Start Date: 04/28/2022 15:53

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/28/2022 19:03

Lab File ID: 225406.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	0.2424	0.2457	0.0500	0.0253	0.0250	1.3	50.0
1,2,4-Trichlorobenzene	Ave	0.7834	0.7984	0.2000	0.0255	0.0250	1.9	50.0
Hexachlorobutadiene	Ave	0.3098	0.3072		0.0248	0.0250	-0.9	50.0
Naphthalene	Ave	2.808	2.856		0.0254	0.0250	1.7	50.0
1,2,3-Trichlorobenzene	Ave	0.7596	0.7503		0.0247	0.0250	-1.2	30.0
Dibromofluoromethane (Surr)	Ave	0.2685	0.2730		0.0294	0.0289	1.7	30.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.3064		0.0288	0.0289	-0.2	30.0
Toluene-d8 (Surr)	Ave	1.330	1.399		0.0304	0.0289	5.2	30.0
4-Bromofluorobenzene (Surr)	Ave	0.5036	0.5164		0.0296	0.0289	2.5	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab Sample ID: CCVIS 240-540508/3 Calibration Date: 08/29/2022 11:30

Instrument ID: A3UX22 Calib Start Date: 04/28/2022 15:53

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/28/2022 19:03

Lab File ID: 227976.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	0.2760	0.2962	0.1000	0.0268	0.0250	7.3	20.0
Chloromethane	Ave	0.3111	0.2889	0.1000	0.0232	0.0250	-7.1	20.0
Vinyl chloride	Ave	0.3509	0.3143	0.1000	0.0224	0.0250	-10.4	20.0
Butadiene	Ave	0.3466	0.2783		0.0201	0.0250	-19.7	20.0
Bromomethane	Lin1		0.0837	0.0500	0.0144	0.0250	-42.2*	20.0
Chloroethane	Qua		0.1435	0.0500	0.0155	0.0250	-38.2*	20.0
Trichlorofluoromethane	Ave	0.4379	0.3651	0.1000	0.0208	0.0250	-16.6	20.0
Dichlorofluoromethane	Ave	0.5584	0.4368		0.0196	0.0250	-21.8*	20.0
Ethyl ether	Ave	0.2372	0.1965		0.0207	0.0250	-17.2	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.2330	0.2411	0.0500	0.0259	0.0250	3.5	20.0
1,1-Dichloroethene	Ave	0.2272	0.2238	0.1000	0.0246	0.0250	-1.5	20.0
Acrolein	Ave	0.0537	0.0319		0.0743	0.125	-40.5*	20.0
Acetone	Lin1		0.1327	0.0100	0.0506	0.0500	1.3	50.0
Iodomethane	Ave	0.2017	0.1416		0.0175	0.0250	-29.8*	20.0
Carbon disulfide	Ave	0.7226	0.7116	0.1000	0.0246	0.0250	-1.5	20.0
3-Chloro-1-propene	Ave	0.3537	0.3346		0.0236	0.0250	-5.4	20.0
Methyl acetate	Ave	0.2800	0.2777	0.1000	0.0496	0.0500	-0.8	50.0
Methylene Chloride	Ave	0.2714	0.2711	0.1000	0.0250	0.0250	-0.1	50.0
tert-Butyl alcohol	Ave	0.0455	0.0551		0.303	0.250	21.2*	20.0
Methyl tert-butyl ether	Ave	0.7279	0.7100	0.1000	0.0244	0.0250	-2.5	20.0
trans-1,2-Dichloroethene	Ave	0.2593	0.2618	0.1000	0.0252	0.0250	1.0	20.0
Acrylonitrile	Ave	0.1519	0.1563		0.257	0.250	2.9	20.0
Hexane	Ave	0.3325	0.3482		0.0262	0.0250	4.7	20.0
1,1-Dichloroethane	Ave	0.4686	0.4645	0.2000	0.0248	0.0250	-0.9	20.0
Vinyl acetate	Ave	0.3689	0.4444		0.0301	0.0250	20.5*	20.0
2,2-Dichloropropane	Ave	0.0644	0.0696		0.0270	0.0250	8.1	20.0
cis-1,2-Dichloroethene	Ave	0.2889	0.2821	0.1000	0.0244	0.0250	-2.4	20.0
2-Butanone	Ave	0.0512	0.0549	0.0100	0.0536	0.0500	7.2	50.0
Bromochloromethane	Ave	0.2162	0.2030		0.0235	0.0250	-6.1	20.0
Tetrahydrofuran	Ave	0.1309	0.1326		0.0506	0.0500	1.3	20.0
Chloroform	Ave	0.4748	0.4525	0.2000	0.0238	0.0250	-4.7	20.0
Cyclohexane	Ave	0.4000	0.3929	0.1000	0.0246	0.0250	-1.8	20.0
1,1,1-Trichloroethane	Ave	0.3821	0.3851	0.1000	0.0252	0.0250	0.8	20.0
Carbon tetrachloride	Ave	0.2864	0.3335	0.1000	0.0291	0.0250	16.4	20.0
1,1-Dichloropropene	Ave	0.3519	0.3733		0.0265	0.0250	6.1	20.0
Benzene	Ave	1.036	1.078	0.5000	0.0260	0.0250	4.0	20.0
Isobutyl alcohol	Qua		0.0155		0.799	0.625	27.8*	20.0
1,2-Dichloroethane	Ave	0.3644	0.3414	0.1000	0.0234	0.0250	-6.3	20.0
n-Heptane	Ave	0.0673	0.0607		0.0225	0.0250	-9.8	20.0
Trichloroethene	Ave	0.2548	0.2737	0.1500	0.0269	0.0250	7.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab Sample ID: CCVIS 240-540508/3 | Calibration Date: 08/29/2022 11:30

Instrument ID: A3UX22 | Calib Start Date: 04/28/2022 15:53

GC Column: DB-624 ID: 0.18(mm) | Calib End Date: 04/28/2022 19:03

Lab File ID: 227976.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	0.4217	0.4048	0.1000	0.0240	0.0250	-4.0	20.0
1,2-Dichloropropane	Ave	0.2550	0.2581	0.1000	0.0253	0.0250	1.2	20.0
Dibromomethane	Ave	0.1559	0.1723		0.0276	0.0250	10.5	20.0
1,4-Dioxane	Lin1		0.0068		0.631	0.500	26.2	50.0
Bromodichloromethane	Ave	0.3392	0.3281	0.1500	0.0242	0.0250	-3.3	20.0
2-Chloroethyl vinyl ether	Ave	0.1846	0.1949		0.0528	0.0500	5.6	20.0
cis-1,3-Dichloropropene	Ave	0.3798	0.3989	0.1500	0.0263	0.0250	5.0	50.0
4-Methyl-2-pentanone	Ave	0.3275	0.3458	0.0500	0.0528	0.0500	5.6	50.0
Toluene	Ave	1.453	1.500	0.4000	0.0258	0.0250	3.2	20.0
trans-1,3-Dichloropropene	Ave	0.4240	0.4701	0.1000	0.0277	0.0250	10.9	20.0
Ethyl methacrylate	Ave	0.4165	0.4473		0.0268	0.0250	7.4	20.0
1,1,2-Trichloroethane	Ave	0.3056	0.3205	0.1000	0.0262	0.0250	4.9	20.0
Tetrachloroethene	Ave	0.3088	0.3718	0.1500	0.0301	0.0250	20.4*	20.0
1,3-Dichloropropane	Ave	0.5437	0.5712		0.0263	0.0250	5.1	20.0
2-Hexanone	Ave	0.3385	0.3601	0.0500	0.0532	0.0500	6.4	50.0
Dibromochloromethane	Ave	0.2969	0.3327		0.0280	0.0250	12.1	20.0
1,2-Dibromoethane	Ave	0.3178	0.3366		0.0265	0.0250	5.9	20.0
Chlorobenzene	Ave	0.8873	0.9439	0.3000	0.0266	0.0250	6.4	20.0
Ethylbenzene	Ave	0.4892	0.4989		0.0255	0.0250	2.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2639	0.3231		0.0306	0.0250	22.4*	20.0
m-Xylene & p-Xylene	Ave	0.6020	0.6167		0.0256	0.0250	2.4	20.0
o-Xylene	Ave	0.5852	0.5997		0.0256	0.0250	2.5	20.0
Styrene	Ave	0.9830	1.053	0.3000	0.0268	0.0250	7.2	20.0
Bromoform	Ave	0.1904	0.2631	0.1000	0.0346	0.0250	38.2*	20.0
Isopropylbenzene	Ave	1.533	1.590	0.1000	0.0259	0.0250	3.7	20.0
Bromobenzene	Ave	0.6663	0.7492		0.0281	0.0250	12.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9613	1.030	0.3000	0.0268	0.0250	7.1	20.0
n-Propylbenzene	Ave	0.7996	0.8141		0.0255	0.0250	1.8	20.0
1,2,3-Trichloropropane	Ave	0.3079	0.3240		0.0263	0.0250	5.2	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2342	0.2916		0.0311	0.0250	24.5*	20.0
2-Chlorotoluene	Ave	0.6772	0.7326		0.0270	0.0250	8.2	20.0
1,3,5-Trimethylbenzene	Ave	2.456	2.475		0.0252	0.0250	0.7	20.0
4-Chlorotoluene	Ave	0.6912	0.7584		0.0274	0.0250	9.7	20.0
tert-Butylbenzene	Ave	2.088	2.080		0.0249	0.0250	-0.3	20.0
1,2,4-Trimethylbenzene	Ave	2.540	2.545		0.0250	0.0250	0.2	20.0
sec-Butylbenzene	Ave	3.175	3.040		0.0239	0.0250	-4.2	20.0
1,3-Dichlorobenzene	Ave	1.312	1.434	0.6000	0.0273	0.0250	9.3	20.0
p-Isopropyltoluene	Ave	2.611	2.606		0.0249	0.0250	-0.2	20.0
1,4-Dichlorobenzene	Ave	1.336	1.433	0.5000	0.0268	0.0250	7.2	20.0
n-Butylbenzene	Ave	2.485	2.338		0.0235	0.0250	-5.9	20.0
1,2-Dichlorobenzene	Ave	1.272	1.347	0.4000	0.0265	0.0250	5.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab Sample ID: CCVIS 240-540508/3 Calibration Date: 08/29/2022 11:30

Instrument ID: A3UX22 Calib Start Date: 04/28/2022 15:53

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/28/2022 19:03

Lab File ID: 227976.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	0.2424	0.2906	0.0500	0.0300	0.0250	19.9	50.0
1,2,4-Trichlorobenzene	Ave	0.7834	0.8080	0.2000	0.0258	0.0250	3.1	50.0
Hexachlorobutadiene	Ave	0.3098	0.3046		0.0246	0.0250	-1.7	50.0
Naphthalene	Ave	2.808	2.693		0.0240	0.0250	-4.1	50.0
1,2,3-Trichlorobenzene	Ave	0.7596	0.7681		0.0253	0.0250	1.1	20.0
Dibromofluoromethane (Surr)	Ave	0.2685	0.2804		0.0302	0.0289	4.4	20.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.2958		0.0278	0.0289	-3.7	20.0
Toluene-d8 (Surr)	Ave	1.330	1.448		0.0315	0.0289	8.9	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5036	0.5341		0.0307	0.0289	6.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab Sample ID: CCV 240-540508/4 | Calibration Date: 08/29/2022 11:54

Instrument ID: A3UX22 | Calib Start Date: 04/07/2022 21:40

GC Column: DB-624 ID: 0.18(mm) | Calib End Date: 04/08/2022 00:50

Lab File ID: 227977.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	0.0622	0.0609		0.245	0.250	-2.1	20.0
Diisopropyl ether	Ave	0.2011	0.2075		0.0258	0.0250	3.2	20.0
2-Chloro-1,3-butadiene	Ave	0.3881	0.3880		0.0250	0.0250	0.0	20.0
Ethyl-t-butyl ether (ETBE)	Ave	0.7036	0.6860		0.0244	0.0250	-2.5	20.0
Ethyl acetate	Ave	0.2958	0.3390		0.0573	0.0500	14.6	20.0
Propionitrile	Ave	0.0686	0.0714		0.260	0.250	4.1	20.0
Methacrylonitrile	Ave	0.1922	0.2195		0.286	0.250	14.2	20.0
Tert-amyl-methyl ether (TAME)	Ave	0.9565	0.8660		0.0226	0.0250	-9.5	20.0
n-Butanol	Ave	0.0137	0.0130		0.593	0.625	-5.1	20.0
Methyl methacrylate	Ave	0.2378	0.2634		0.0554	0.0500	10.8	20.0
2-Nitropropane	Ave	0.1057	0.0990		0.0468	0.0500	-6.4	20.0
n-Butyl acetate	Ave	0.5940	0.5307		0.0223	0.0250	-10.7	20.0
1-Chlorohexane	Ave	0.4836	0.4592		0.0237	0.0250	-5.0	20.0
Cyclohexanone	Ave	0.0292	0.0252		0.216	0.250	-13.7	20.0
Pentachloroethane	Ave	0.0584	0.2693		0.231	0.0500	361.2*	20.0
1,2,3-Trimethylbenzene	Ave	2.655	2.559		0.0241	0.0250	-3.6	20.0
Benzyl chloride	Ave	1.625	1.358		0.0209	0.0250	-16.4	20.0
1,3,5-Trichlorobenzene	Ave	0.8813	0.9382		0.0266	0.0250	6.5	20.0
2-Methylnaphthalene	Ave	1.278	0.9825		0.0385	0.0500	-23.1*	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab Sample ID: CCVIS 240-540740/3 Calibration Date: 08/30/2022 14:10

Instrument ID: A3UX22 Calib Start Date: 04/28/2022 15:53

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/28/2022 19:03

Lab File ID: 228006.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	0.2760	0.3118	0.1000	0.0282	0.0250	13.0	20.0
Chloromethane	Ave	0.3111	0.2831	0.1000	0.0227	0.0250	-9.0	20.0
Vinyl chloride	Ave	0.3509	0.3085	0.1000	0.0220	0.0250	-12.1	20.0
Butadiene	Ave	0.3466	0.2834		0.0204	0.0250	-18.2	20.0
Bromomethane	Lin1		0.1126	0.0500	0.0197	0.0250	-21.2*	20.0
Chloroethane	Qua		0.1639	0.0500	0.0181	0.0250	-27.6*	20.0
Trichlorofluoromethane	Ave	0.4379	0.3958	0.1000	0.0226	0.0250	-9.6	20.0
Dichlorofluoromethane	Ave	0.5584	0.4663		0.0209	0.0250	-16.5	20.0
Ethyl ether	Ave	0.2372	0.2208		0.0233	0.0250	-6.9	20.0
1,1,2-Trichloro-1,2,2-trichfluoroethane	Ave	0.2330	0.2566	0.0500	0.0275	0.0250	10.1	20.0
1,1-Dichloroethene	Ave	0.2272	0.2411	0.1000	0.0265	0.0250	6.1	20.0
Acrolein	Ave	0.0537	0.0344		0.0800	0.125	-36.0*	20.0
Acetone	Lin1		0.1453	0.0100	0.0557	0.0500	11.3	50.0
Iodomethane	Ave	0.2017	0.1638		0.0203	0.0250	-18.8	20.0
Carbon disulfide	Ave	0.7226	0.7699	0.1000	0.0266	0.0250	6.5	20.0
3-Chloro-1-propene	Ave	0.3537	0.3328		0.0235	0.0250	-5.9	20.0
Methyl acetate	Ave	0.2800	0.2855	0.1000	0.0510	0.0500	2.0	50.0
Methylene Chloride	Ave	0.2714	0.2643	0.1000	0.0243	0.0250	-2.6	50.0
tert-Butyl alcohol	Ave	0.0455	0.0561		0.308	0.250	23.4*	20.0
Methyl tert-butyl ether	Ave	0.7279	0.6877	0.1000	0.0236	0.0250	-5.5	20.0
trans-1,2-Dichloroethene	Ave	0.2593	0.2573	0.1000	0.0248	0.0250	-0.8	20.0
Acrylonitrile	Ave	0.1519	0.1550		0.255	0.250	2.1	20.0
Hexane	Ave	0.3325	0.3314		0.0249	0.0250	-0.3	20.0
1,1-Dichloroethane	Ave	0.4686	0.4354	0.2000	0.0232	0.0250	-7.1	20.0
Vinyl acetate	Ave	0.3689	0.4625		0.0313	0.0250	25.4*	20.0
2,2-Dichloropropane	Ave	0.0644	0.0686		0.0266	0.0250	6.6	20.0
cis-1,2-Dichloroethene	Ave	0.2889	0.2756	0.1000	0.0238	0.0250	-4.6	20.0
2-Butanone	Ave	0.0512	0.0559	0.0100	0.0546	0.0500	9.3	50.0
Bromochloromethane	Ave	0.2162	0.1981		0.0229	0.0250	-8.4	20.0
Tetrahydrofuran	Ave	0.1309	0.1307		0.0499	0.0500	-0.2	20.0
Chloroform	Ave	0.4748	0.4571	0.2000	0.0241	0.0250	-3.7	20.0
Cyclohexane	Ave	0.4000	0.3855	0.1000	0.0241	0.0250	-3.6	20.0
1,1,1-Trichloroethane	Ave	0.3821	0.3986	0.1000	0.0261	0.0250	4.3	20.0
Carbon tetrachloride	Ave	0.2864	0.3426	0.1000	0.0299	0.0250	19.6	20.0
1,1-Dichloropropene	Ave	0.3519	0.3538		0.0251	0.0250	0.5	20.0
Benzene	Ave	1.036	1.035	0.5000	0.0250	0.0250	-0.1	20.0
Isobutyl alcohol	Qua		0.0173		0.866	0.625	38.6*	20.0
1,2-Dichloroethane	Ave	0.3644	0.3412	0.1000	0.0234	0.0250	-6.4	20.0
n-Heptane	Ave	0.0673	0.0606		0.0225	0.0250	-10.0	20.0
Trichloroethene	Ave	0.2548	0.2736	0.1500	0.0268	0.0250	7.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab Sample ID: CCVIS 240-540740/3 | Calibration Date: 08/30/2022 14:10

Instrument ID: A3UX22 | Calib Start Date: 04/28/2022 15:53

GC Column: DB-624 ID: 0.18(mm) | Calib End Date: 04/28/2022 19:03

Lab File ID: 228006.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	0.4217	0.4001	0.1000	0.0237	0.0250	-5.1	20.0
1,2-Dichloropropane	Ave	0.2550	0.2509	0.1000	0.0246	0.0250	-1.6	20.0
Dibromomethane	Ave	0.1559	0.1761		0.0282	0.0250	13.0	20.0
1,4-Dioxane	Lin1		0.0067		0.620	0.500	24.0	50.0
Bromodichloromethane	Ave	0.3392	0.3466	0.1500	0.0255	0.0250	2.2	20.0
2-Chloroethyl vinyl ether	Ave	0.1846	0.1882		0.0510	0.0500	1.9	20.0
cis-1,3-Dichloropropene	Ave	0.3798	0.3993	0.1500	0.0263	0.0250	5.1	50.0
4-Methyl-2-pentanone	Ave	0.3275	0.3582	0.0500	0.0547	0.0500	9.4	50.0
Toluene	Ave	1.453	1.389	0.4000	0.0239	0.0250	-4.4	20.0
trans-1,3-Dichloropropene	Ave	0.4240	0.4361	0.1000	0.0257	0.0250	2.9	20.0
Ethyl methacrylate	Ave	0.4165	0.4255		0.0255	0.0250	2.2	20.0
1,1,2-Trichloroethane	Ave	0.3056	0.3060	0.1000	0.0250	0.0250	0.1	20.0
Tetrachloroethene	Ave	0.3088	0.3446	0.1500	0.0279	0.0250	11.6	20.0
1,3-Dichloropropane	Ave	0.5437	0.5079		0.0234	0.0250	-6.6	20.0
2-Hexanone	Ave	0.3385	0.3489	0.0500	0.0515	0.0500	3.1	50.0
Dibromochloromethane	Ave	0.2969	0.3360		0.0283	0.0250	13.2	20.0
1,2-Dibromoethane	Ave	0.3178	0.3367		0.0265	0.0250	6.0	20.0
Chlorobenzene	Ave	0.8873	0.9280	0.3000	0.0261	0.0250	4.6	20.0
Ethylbenzene	Ave	0.4892	0.5114		0.0261	0.0250	4.5	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2639	0.3344		0.0317	0.0250	26.7*	20.0
m-Xylene & p-Xylene	Ave	0.6020	0.6165		0.0256	0.0250	2.4	20.0
o-Xylene	Ave	0.5852	0.5534		0.0236	0.0250	-5.4	20.0
Styrene	Ave	0.9830	0.9877	0.3000	0.0251	0.0250	0.5	20.0
Bromoform	Ave	0.1904	0.2531	0.1000	0.0332	0.0250	32.9*	20.0
Isopropylbenzene	Ave	1.533	1.467	0.1000	0.0239	0.0250	-4.3	20.0
Bromobenzene	Ave	0.6663	0.7011		0.0263	0.0250	5.2	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9613	0.9835	0.3000	0.0256	0.0250	2.3	20.0
n-Propylbenzene	Ave	0.7996	0.7884		0.0247	0.0250	-1.4	20.0
1,2,3-Trichloropropane	Ave	0.3079	0.3296		0.0268	0.0250	7.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2342	0.3019		0.0322	0.0250	28.9*	20.0
2-Chlorotoluene	Ave	0.6772	0.6834		0.0252	0.0250	0.9	20.0
1,3,5-Trimethylbenzene	Ave	2.456	2.384		0.0243	0.0250	-2.9	20.0
4-Chlorotoluene	Ave	0.6912	0.7110		0.0257	0.0250	2.9	20.0
tert-Butylbenzene	Ave	2.088	1.960		0.0235	0.0250	-6.1	20.0
1,2,4-Trimethylbenzene	Ave	2.540	2.424		0.0239	0.0250	-4.6	20.0
sec-Butylbenzene	Ave	3.175	2.936		0.0231	0.0250	-7.5	20.0
1,3-Dichlorobenzene	Ave	1.312	1.380	0.6000	0.0263	0.0250	5.2	20.0
p-Isopropyltoluene	Ave	2.611	2.526		0.0242	0.0250	-3.2	20.0
1,4-Dichlorobenzene	Ave	1.336	1.407	0.5000	0.0263	0.0250	5.3	20.0
n-Butylbenzene	Ave	2.485	2.206		0.0222	0.0250	-11.2	20.0
1,2-Dichlorobenzene	Ave	1.272	1.304	0.4000	0.0256	0.0250	2.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab Sample ID: CCVIS 240-540740/3 Calibration Date: 08/30/2022 14:10

Instrument ID: A3UX22 Calib Start Date: 04/28/2022 15:53

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 04/28/2022 19:03

Lab File ID: 228006.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	0.2424	0.2852	0.0500	0.0294	0.0250	17.6	50.0
1,2,4-Trichlorobenzene	Ave	0.7834	0.7405	0.2000	0.0236	0.0250	-5.5	50.0
Hexachlorobutadiene	Ave	0.3098	0.2732		0.0220	0.0250	-11.8	50.0
Naphthalene	Ave	2.808	2.630		0.0234	0.0250	-6.3	50.0
1,2,3-Trichlorobenzene	Ave	0.7596	0.7167		0.0236	0.0250	-5.6	20.0
Dibromofluoromethane (Surr)	Ave	0.2685	0.2913		0.0314	0.0289	8.5	20.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.3039		0.0286	0.0289	-1.1	20.0
Toluene-d8 (Surr)	Ave	1.330	1.387		0.0302	0.0289	4.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.5036	0.5024		0.0288	0.0289	-0.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Lab Sample ID: CCV 240-540740/4 | Calibration Date: 08/30/2022 14:34

Instrument ID: A3UX22 | Calib Start Date: 04/07/2022 21:40

GC Column: DB-624 ID: 0.18(mm) | Calib End Date: 04/08/2022 00:50

Lab File ID: 228007.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	0.0622	0.0613		0.246	0.250	-1.4	20.0
Diisopropyl ether	Ave	0.2011	0.2052		0.0255	0.0250	2.1	20.0
2-Chloro-1,3-butadiene	Ave	0.3881	0.3685		0.0237	0.0250	-5.0	20.0
Ethyl-t-butyl ether (ETBE)	Ave	0.7036	0.6442		0.0229	0.0250	-8.4	20.0
Ethyl acetate	Ave	0.2958	0.3537		0.0598	0.0500	19.6	20.0
Propionitrile	Ave	0.0686	0.0700		0.255	0.250	2.1	20.0
Methacrylonitrile	Ave	0.1922	0.2267		0.295	0.250	18.0	20.0
Tert-amyl-methyl ether (TAME)	Ave	0.9565	0.8601		0.0225	0.0250	-10.1	20.0
n-Butanol	Ave	0.0137	0.0145		0.658	0.625	5.2	20.0
Methyl methacrylate	Ave	0.2378	0.2730		0.0574	0.0500	14.8	20.0
2-Nitropropane	Ave	0.1057	0.1101		0.0521	0.0500	4.1	20.0
n-Butyl acetate	Ave	0.5940	0.5537		0.0233	0.0250	-6.8	20.0
1-Chlorohexane	Ave	0.4836	0.4467		0.0231	0.0250	-7.6	20.0
Cyclohexanone	Ave	0.0292	0.0276		0.236	0.250	-5.5	20.0
Pentachloroethane	Ave	0.0584	0.2785		0.238	0.0500	376.9*	20.0
1,2,3-Trimethylbenzene	Ave	2.655	2.584		0.0243	0.0250	-2.7	20.0
Benzyl chloride	Ave	1.625	1.521		0.0234	0.0250	-6.4	20.0
1,3,5-Trichlorobenzene	Ave	0.8813	0.8484		0.0241	0.0250	-3.7	20.0
2-Methylnaphthalene	Ave	1.278	0.9196		0.0360	0.0500	-28.0*	20.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: | Lab Sample ID: MB 240-540508/8

Matrix: Water | Lab File ID: 227981.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 13:29

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: | Lab Sample ID: MB 240-540508/8

Matrix: Water | Lab File ID: 227981.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 13:29

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: | Lab Sample ID: MB 240-540508/8

Matrix: Water | Lab File ID: 227981.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 13:29

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	104		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		62-137
2037-26-5	Toluene-d8 (Surr)	113		78-122

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: | Lab Sample ID: MB 240-540740/8

Matrix: Water | Lab File ID: 228011.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 16:09

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: | Lab Sample ID: MB 240-540740/8

Matrix: Water | Lab File ID: 228011.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 16:09

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	0.17	U	10	0.17
100-41-4	Ethylbenzene	0.42	U	1.0	0.42
637-92-3	Ethyl-t-butyl ether (ETBE)	0.40	U	5.0	0.40
87-68-3	Hexachlorobutadiene	0.83	U	1.0	0.83
591-78-6	2-Hexanone	1.1	U	10	1.1
98-82-8	Isopropylbenzene	0.49	U	1.0	0.49
75-09-2	Methylene Chloride	2.6	U	5.0	2.6
108-10-1	4-Methyl-2-pentanone	0.99	U	10	0.99
1634-04-4	Methyl tert-butyl ether	0.47	U	1.0	0.47
179601-23-1	m-Xylene & p-Xylene	0.42	U	2.0	0.42
91-20-3	Naphthalene	0.80	U	1.0	0.80
104-51-8	n-Butylbenzene	0.60	U	1.0	0.60
103-65-1	n-Propylbenzene	0.57	U	1.0	0.57
95-47-6	o-Xylene	0.42	U	1.0	0.42
99-87-6	p-Isopropyltoluene	0.56	U	1.0	0.56
135-98-8	sec-Butylbenzene	0.53	U	1.0	0.53
100-42-5	Styrene	0.45	U	1.0	0.45
994-05-8	Tert-amyl-methyl ether (TAME)	0.43	U	5.0	0.43
75-65-0	tert-Butyl alcohol	7.2	U	40	7.2
98-06-6	tert-Butylbenzene	0.48	U	1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	0.43	U	1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	0.60	U	1.0	0.60
127-18-4	Tetrachloroethene	0.44	U	1.0	0.44
108-88-3	Toluene	0.44	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.51	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	0.67	U	1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	0.54	U	1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	0.77	U	1.0	0.77
71-55-6	1,1,1-Trichloroethane	0.48	U	1.0	0.48
79-01-6	Trichloroethene	0.44	U	1.0	0.44
75-69-4	Trichlorofluoromethane	0.45	U	1.0	0.45
96-18-4	1,2,3-Trichloropropane	0.52	U	1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	0.41	U	1.0	0.41

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: | Lab Sample ID: MB 240-540740/8

Matrix: Water | Lab File ID: 228011.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 16:09

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
526-73-8	1,2,3-Trimethylbenzene	0.31	U	5.0	0.31
95-63-6	1,2,4-Trimethylbenzene	0.52	U	1.0	0.52
108-05-4	Vinyl acetate	0.61	U	2.0	0.61
75-01-4	Vinyl chloride	0.45	U	1.0	0.45
1330-20-7	Xylenes, Total	0.42	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)	113		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		62-137
2037-26-5	Toluene-d8 (Surr)	101		78-122

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: | Lab Sample ID: LCS 240-540508/5

Matrix: Water | Lab File ID: 227978.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 12:18

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	47.6		10	5.4
71-43-2	Benzene	24.3		1.0	0.42
108-86-1	Bromobenzene	27.5		1.0	0.50
74-97-5	Bromochloromethane	21.5		1.0	0.54
75-27-4	Bromodichloromethane	23.7		1.0	0.17
75-25-2	Bromoform	31.6		1.0	0.76
74-83-9	Bromomethane	13.6		1.0	0.42
78-93-3	2-Butanone	51.3		10	1.2
75-15-0	Carbon disulfide	22.8		1.0	0.59
56-23-5	Carbon tetrachloride	27.1		1.0	0.26
108-90-7	Chlorobenzene	25.3		1.0	0.38
75-00-3	Chloroethane	13.0		1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	24.3		10	1.5
67-66-3	Chloroform	22.6		1.0	0.47
74-87-3	Chloromethane	20.1		1.0	0.63
95-49-8	2-Chlorotoluene	25.8		1.0	0.57
106-43-4	4-Chlorotoluene	26.7		1.0	0.43
156-59-2	cis-1,2-Dichloroethene	23.2		1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	24.7		1.0	0.61
124-48-1	Dibromochloromethane	27.2		1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	27.6		2.0	0.91
106-93-4	1,2-Dibromoethane	25.6		1.0	0.41
74-95-3	Dibromomethane	27.3		1.0	0.40
95-50-1	1,2-Dichlorobenzene	25.9		1.0	0.48
541-73-1	1,3-Dichlorobenzene	26.1		1.0	0.45
106-46-7	1,4-Dichlorobenzene	26.1		1.0	0.41
75-71-8	Dichlorodifluoromethane	18.9		1.0	0.35
75-34-3	1,1-Dichloroethane	22.9		1.0	0.47
107-06-2	1,2-Dichloroethane	22.0		1.0	0.21
75-35-4	1,1-Dichloroethene	24.3		1.0	0.49
78-87-5	1,2-Dichloropropane	24.1		1.0	0.47
142-28-9	1,3-Dichloropropane	24.9		1.0	0.21
594-20-7	2,2-Dichloropropane	24.2		1.0	0.78
563-58-6	1,1-Dichloropropene	24.7		1.0	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: | Lab Sample ID: LCS 240-540508/5

Matrix: Water | Lab File ID: 227978.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 12:18

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	24.6		1.0	0.42
87-68-3	Hexachlorobutadiene	24.9		1.0	0.83
591-78-6	2-Hexanone	51.9		10	1.1
98-82-8	Isopropylbenzene	24.5		1.0	0.49
75-09-2	Methylene Chloride	23.7		5.0	2.6
108-10-1	4-Methyl-2-pentanone	50.5		10	0.99
1634-04-4	Methyl tert-butyl ether	23.4		1.0	0.47
179601-23-1	m-Xylene & p-Xylene	24.5		2.0	0.42
91-20-3	Naphthalene	23.7		1.0	0.80
104-51-8	n-Butylbenzene	22.2		1.0	0.60
103-65-1	n-Propylbenzene	24.9		1.0	0.57
95-47-6	o-Xylene	24.5		1.0	0.42
99-87-6	p-Isopropyltoluene	24.0		1.0	0.56
135-98-8	sec-Butylbenzene	23.2		1.0	0.53
100-42-5	Styrene	24.9		1.0	0.45
75-65-0	tert-Butyl alcohol	286		40	7.2
98-06-6	tert-Butylbenzene	24.0		1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	29.1		1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	26.3		1.0	0.60
127-18-4	Tetrachloroethene	28.5		1.0	0.44
108-88-3	Toluene	24.3		1.0	0.44
156-60-5	trans-1,2-Dichloroethene	23.4		1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	26.2		1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	25.1		1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	25.9		1.0	0.77
71-55-6	1,1,1-Trichloroethane	23.7		1.0	0.48
79-01-6	Trichloroethene	26.5		1.0	0.44
75-69-4	Trichlorofluoromethane	17.8		1.0	0.45
96-18-4	1,2,3-Trichloropropane	25.9		1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	25.0		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	24.3		1.0	0.52
108-05-4	Vinyl acetate	24.1		2.0	0.61
75-01-4	Vinyl chloride	20.6		1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: | Lab Sample ID: LCS 240-540508/5

Matrix: Water | Lab File ID: 227978.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 12:18

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	49.0		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)	95		62-137
2037-26-5	Toluene-d8 (Surr)	107		78-122

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: | Lab Sample ID: LCS 240-540508/6

Matrix: Water | Lab File ID: 227979.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/29/2022 12:41

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540508 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	25.4		10	0.17
637-92-3	Ethyl-t-butyl ether (ETBE)	23.9		5.0	0.40
994-05-8	Tert-amyl-methyl ether (TAME)	22.3		5.0	0.43
526-73-8	1,2,3-Trimethylbenzene	23.5		5.0	0.31

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)	98		62-137
2037-26-5	Toluene-d8 (Surr)	104		78-122

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: | Lab Sample ID: LCS 240-540740/5

Matrix: Water | Lab File ID: 228008.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 14:58

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	49.6		10	5.4
71-43-2	Benzene	24.8		1.0	0.42
108-86-1	Bromobenzene	26.1		1.0	0.50
74-97-5	Bromochloromethane	22.3		1.0	0.54
75-27-4	Bromodichloromethane	24.9		1.0	0.17
75-25-2	Bromoform	34.9		1.0	0.76
74-83-9	Bromomethane	20.1		1.0	0.42
78-93-3	2-Butanone	53.6		10	1.2
75-15-0	Carbon disulfide	23.8		1.0	0.59
56-23-5	Carbon tetrachloride	28.7		1.0	0.26
108-90-7	Chlorobenzene	26.0		1.0	0.38
75-00-3	Chloroethane	17.9		1.0	0.83
110-75-8	2-Chloroethyl vinyl ether	24.5		10	1.5
67-66-3	Chloroform	23.6		1.0	0.47
74-87-3	Chloromethane	20.4		1.0	0.63
95-49-8	2-Chlorotoluene	24.9		1.0	0.57
106-43-4	4-Chlorotoluene	26.7		1.0	0.43
156-59-2	cis-1,2-Dichloroethene	23.8		1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	24.8		1.0	0.61
124-48-1	Dibromochloromethane	30.3		1.0	0.39
96-12-8	1,2-Dibromo-3-Chloropropane	29.3		2.0	0.91
106-93-4	1,2-Dibromoethane	26.7		1.0	0.41
74-95-3	Dibromomethane	28.0		1.0	0.40
95-50-1	1,2-Dichlorobenzene	26.0		1.0	0.48
541-73-1	1,3-Dichlorobenzene	26.8		1.0	0.45
106-46-7	1,4-Dichlorobenzene	26.4		1.0	0.41
75-71-8	Dichlorodifluoromethane	22.3		1.0	0.35
75-34-3	1,1-Dichloroethane	23.0		1.0	0.47
107-06-2	1,2-Dichloroethane	22.9		1.0	0.21
75-35-4	1,1-Dichloroethene	25.1		1.0	0.49
78-87-5	1,2-Dichloropropane	24.1		1.0	0.47
142-28-9	1,3-Dichloropropane	25.3		1.0	0.21
594-20-7	2,2-Dichloropropane	24.9		1.0	0.78
563-58-6	1,1-Dichloropropene	24.1		1.0	0.36

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: | Lab Sample ID: LCS 240-540740/5

Matrix: Water | Lab File ID: 228008.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 14:58

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-41-4	Ethylbenzene	25.2		1.0	0.42
87-68-3	Hexachlorobutadiene	21.1		1.0	0.83
591-78-6	2-Hexanone	57.5		10	1.1
98-82-8	Isopropylbenzene	25.1		1.0	0.49
75-09-2	Methylene Chloride	24.3		5.0	2.6
108-10-1	4-Methyl-2-pentanone	54.7		10	0.99
1634-04-4	Methyl tert-butyl ether	23.7		1.0	0.47
179601-23-1	m-Xylene & p-Xylene	25.5		2.0	0.42
91-20-3	Naphthalene	24.4		1.0	0.80
104-51-8	n-Butylbenzene	22.5		1.0	0.60
103-65-1	n-Propylbenzene	24.2		1.0	0.57
95-47-6	o-Xylene	25.6		1.0	0.42
99-87-6	p-Isopropyltoluene	24.5		1.0	0.56
135-98-8	sec-Butylbenzene	23.8		1.0	0.53
100-42-5	Styrene	25.8		1.0	0.45
75-65-0	tert-Butyl alcohol	311		40	7.2
98-06-6	tert-Butylbenzene	24.2		1.0	0.48
630-20-6	1,1,1,2-Tetrachloroethane	31.3		1.0	0.43
79-34-5	1,1,2,2-Tetrachloroethane	25.7		1.0	0.60
127-18-4	Tetrachloroethene	29.3		1.0	0.44
108-88-3	Toluene	24.9		1.0	0.44
156-60-5	trans-1,2-Dichloroethene	24.4		1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	27.3		1.0	0.67
87-61-6	1,2,3-Trichlorobenzene	24.1		1.0	0.54
120-82-1	1,2,4-Trichlorobenzene	24.2		1.0	0.77
71-55-6	1,1,1-Trichloroethane	25.3		1.0	0.48
79-01-6	Trichloroethene	26.6		1.0	0.44
75-69-4	Trichlorofluoromethane	21.2		1.0	0.45
96-18-4	1,2,3-Trichloropropane	26.4		1.0	0.52
76-13-1	1,1,2-Trichloro-1,2,2-trichfluoroethane	25.3		1.0	0.41
95-63-6	1,2,4-Trimethylbenzene	24.9		1.0	0.52
108-05-4	Vinyl acetate	30.9		2.0	0.61
75-01-4	Vinyl chloride	20.7		1.0	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: | Lab Sample ID: LCS 240-540740/5

Matrix: Water | Lab File ID: 228008.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 14:58

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1330-20-7	Xylenes, Total	51.1		2.0	0.42

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	104		56-136
1868-53-7	Dibromofluoromethane (Surr)	105		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		62-137
2037-26-5	Toluene-d8 (Surr)	108		78-122

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Canton | Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Client Sample ID: | Lab Sample ID: LCS 240-540740/6

Matrix: Water | Lab File ID: 228009.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 08/30/2022 15:21

Soil Aliquot Vol: | Dilution Factor: 1

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

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 540740 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
108-20-3	Diisopropyl ether	25.1		10	0.17
637-92-3	Ethyl-t-butyl ether (ETBE)	23.6		5.0	0.40
994-05-8	Tert-amyl-methyl ether (TAME)	22.5		5.0	0.43
526-73-8	1,2,3-Trimethylbenzene	24.2		5.0	0.31

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	102		56-136
1868-53-7	Dibromofluoromethane (Surr)	105		73-120
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		62-137
2037-26-5	Toluene-d8 (Surr)	102		78-122

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 Start Date: 04/07/2022 15:03

Analysis Batch Number: 522080 End Date: 04/08/2022 02:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-522080/1		04/07/2022 15:03	1	BFB22244.D	DB-624 0.18(mm)
IC 240-522080/3		04/07/2022 15:46	1	225035.D	DB-624 0.18(mm)
IC 240-522080/4		04/07/2022 16:09	1	225036.D	DB-624 0.18(mm)
IC 240-522080/5		04/07/2022 16:33	1	225037.D	DB-624 0.18(mm)
IC 240-522080/6		04/07/2022 16:56	1	225038.D	DB-624 0.18(mm)
IC 240-522080/7		04/07/2022 17:20	1	225039.D	DB-624 0.18(mm)
ICIS 240-522080/8		04/07/2022 17:44	1	225040.D	DB-624 0.18(mm)
IC 240-522080/9		04/07/2022 18:07	1	225041.D	DB-624 0.18(mm)
IC 240-522080/10		04/07/2022 18:31	1	225042.D	DB-624 0.18(mm)
IC 240-522080/11		04/07/2022 18:55	1	225043.D	DB-624 0.18(mm)
ICV 240-522080/13		04/07/2022 19:42	1		DB-624 0.18(mm)
ZZZZZ		04/07/2022 20:06	1		DB-624 0.18(mm)
ZZZZZ		04/07/2022 20:29	1		DB-624 0.18(mm)
ZZZZZ		04/07/2022 20:53	1		DB-624 0.18(mm)
ZZZZZ		04/07/2022 21:17	1		DB-624 0.18(mm)
IC 240-522080/18		04/07/2022 21:40	1	225050.D	DB-624 0.18(mm)
IC 240-522080/19		04/07/2022 22:04	1	225051.D	DB-624 0.18(mm)
IC 240-522080/20		04/07/2022 22:28	1	225052.D	DB-624 0.18(mm)
IC 240-522080/21		04/07/2022 22:52	1	225053.D	DB-624 0.18(mm)
IC 240-522080/22		04/07/2022 23:15	1	225054.D	DB-624 0.18(mm)
IC 240-522080/23		04/07/2022 23:39	1	225055.D	DB-624 0.18(mm)
IC 240-522080/24		04/08/2022 00:02	1	225056.D	DB-624 0.18(mm)
IC 240-522080/25		04/08/2022 00:26	1	225057.D	DB-624 0.18(mm)
IC 240-522080/26		04/08/2022 00:50	1	225058.D	DB-624 0.18(mm)
ICV 240-522080/28		04/08/2022 01:37	1	225060.D	DB-624 0.18(mm)
ZZZZZ		04/08/2022 02:01	1		DB-624 0.18(mm)
ZZZZZ		04/08/2022 02:24	1		DB-624 0.18(mm)
ZZZZZ		04/08/2022 02:48	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 Start Date: 04/28/2022 15:10

Analysis Batch Number: 524416 End Date: 04/28/2022 22:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-524416/1		04/28/2022 15:10	1	BFB22256.D	DB-624 0.18(mm)
IC 240-524416/3		04/28/2022 15:53	1	225395.D	DB-624 0.18(mm)
IC 240-524416/4		04/28/2022 16:16	1	225396.D	DB-624 0.18(mm)
IC 240-524416/5		04/28/2022 16:40	1	225397.D	DB-624 0.18(mm)
IC 240-524416/6		04/28/2022 17:04	1	225398.D	DB-624 0.18(mm)
IC 240-524416/7		04/28/2022 17:27	1	225399.D	DB-624 0.18(mm)
ICIS 240-524416/8		04/28/2022 17:51	1	225400.D	DB-624 0.18(mm)
IC 240-524416/9		04/28/2022 18:15	1	225401.D	DB-624 0.18(mm)
IC 240-524416/10		04/28/2022 18:39	1	225402.D	DB-624 0.18(mm)
IC 240-524416/11		04/28/2022 19:03	1	225403.D	DB-624 0.18(mm)
CCV 240-524416/13		04/28/2022 19:50	1		DB-624 0.18(mm)
ICV 240-524416/14		04/28/2022 20:14	1	225406.D	DB-624 0.18(mm)
ZZZZZ		04/28/2022 20:37	1		DB-624 0.18(mm)
ZZZZZ		04/28/2022 21:01	1		DB-624 0.18(mm)
ZZZZZ		04/28/2022 21:25	1		DB-624 0.18(mm)
ZZZZZ		04/28/2022 21:49	1		DB-624 0.18(mm)
ZZZZZ		04/28/2022 22:13	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 Start Date: 08/29/2022 10:47

Analysis Batch Number: 540508 End Date: 08/29/2022 22:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-540508/1		08/29/2022 10:47	1	BFB22344.D	DB-624 0.18(mm)
CCVIS 240-540508/3		08/29/2022 11:30	1	227976.D	DB-624 0.18(mm)
CCV 240-540508/4		08/29/2022 11:54	1	227977.D	DB-624 0.18(mm)
LCS 240-540508/5		08/29/2022 12:18	1	227978.D	DB-624 0.18(mm)
LCS 240-540508/6		08/29/2022 12:41	1	227979.D	DB-624 0.18(mm)
ZZZZZ		08/29/2022 13:05	1		DB-624 0.18(mm)
MB 240-540508/8		08/29/2022 13:29	1	227981.D	DB-624 0.18(mm)
240-171981-1	MSA-SW37A-082222	08/29/2022 13:53	1	227982.D	DB-624 0.18(mm)
240-171981-2	MSA-SW37B-082222	08/29/2022 14:17	1	227983.D	DB-624 0.18(mm)
240-171981-3	MSA-SW37C-082222	08/29/2022 14:40	1	227984.D	DB-624 0.18(mm)
240-171981-4	MSA-SW37D-082222	08/29/2022 15:04	1	227985.D	DB-624 0.18(mm)
240-171981-5	MSA-SW38A-082222	08/29/2022 15:27	1	227986.D	DB-624 0.18(mm)
240-171981-6	MSA-SW38B-082222	08/29/2022 15:51	1	227987.D	DB-624 0.18(mm)
240-171981-7	MSA-SW38C-082222	08/29/2022 16:15	1	227988.D	DB-624 0.18(mm)
240-171981-8	MSA-SW38D-082222	08/29/2022 16:38	1	227989.D	DB-624 0.18(mm)
240-171981-9	MSA-SW40A-082222	08/29/2022 17:02	1	227990.D	DB-624 0.18(mm)
240-171981-10	MSA-SW40B-082222	08/29/2022 17:26	1	227991.D	DB-624 0.18(mm)
240-171981-11	MSA-SW40C-082222	08/29/2022 17:49	1	227992.D	DB-624 0.18(mm)
240-171981-12	MSA-SW40D-082222	08/29/2022 18:13	1	227993.D	DB-624 0.18(mm)
240-171981-13	MSA-SW41A-082222	08/29/2022 18:37	1	227994.D	DB-624 0.18(mm)
240-171981-14	MSA-SW41B-082222	08/29/2022 19:01	1	227995.D	DB-624 0.18(mm)
240-171981-15	MSA-SW41C-082222	08/29/2022 19:24	1	227996.D	DB-624 0.18(mm)
240-171981-16	MSA-SW41D-082222	08/29/2022 19:48	1	227997.D	DB-624 0.18(mm)
240-171981-17	MSA-SW42A-082222	08/29/2022 20:11	1	227998.D	DB-624 0.18(mm)
240-171981-18	MSA-SW42B-082222	08/29/2022 20:35	1	227999.D	DB-624 0.18(mm)
240-171981-19	MSA-SW42C-082222	08/29/2022 20:59	1	228000.D	DB-624 0.18(mm)
ZZZZZ		08/29/2022 21:22	5		DB-624 0.18(mm)
ZZZZZ		08/29/2022 21:46	5		DB-624 0.18(mm)
ZZZZZ		08/29/2022 22:10	5		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Instrument ID: A3UX22 Start Date: 08/30/2022 13:27

Analysis Batch Number: 540740 End Date: 08/31/2022 00:51

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-540740/10		08/30/2022 13:27	1	BFB22346.D	DB-624 0.18(mm)
CCVIS 240-540740/3		08/30/2022 14:10	1	228006.D	DB-624 0.18(mm)
CCV 240-540740/4		08/30/2022 14:34	1	228007.D	DB-624 0.18(mm)
LCS 240-540740/5		08/30/2022 14:58	1	228008.D	DB-624 0.18(mm)
LCS 240-540740/6		08/30/2022 15:21	1	228009.D	DB-624 0.18(mm)
ZZZZZ		08/30/2022 15:45	1		DB-624 0.18(mm)
MB 240-540740/8		08/30/2022 16:09	1	228011.D	DB-624 0.18(mm)
ZZZZZ		08/30/2022 16:33	1		DB-624 0.18(mm)
240-171981-25	TB-082222	08/30/2022 16:57	1	228013.D	DB-624 0.18(mm)
240-171981-30	MSA-SWEQB-082222	08/30/2022 17:20	1	228014.D	DB-624 0.18(mm)
240-171981-20	MSA-SW42D-082222	08/30/2022 17:44	1	228015.D	DB-624 0.18(mm)
240-171981-21	MSA-SW43A-082222	08/30/2022 18:08	1	228016.D	DB-624 0.18(mm)
240-171981-22	MSA-SW43B-082222	08/30/2022 18:31	1	228017.D	DB-624 0.18(mm)
240-171981-23	MSA-SW43C-082222	08/30/2022 18:55	1	228018.D	DB-624 0.18(mm)
240-171981-24	MSA-SW43D-082222	08/30/2022 19:18	1	228019.D	DB-624 0.18(mm)
240-171981-26	MSA-SW46A-082222	08/30/2022 19:42	1	228020.D	DB-624 0.18(mm)
240-171981-27	MSA-SW47A-082222	08/30/2022 20:06	1	228021.D	DB-624 0.18(mm)
240-171981-28	MSA-SW48A-082222	08/30/2022 20:29	1	228022.D	DB-624 0.18(mm)
240-171981-29	MSA-SW49A-082222	08/30/2022 20:53	1	228023.D	DB-624 0.18(mm)
ZZZZZ		08/30/2022 21:17	1		DB-624 0.18(mm)
ZZZZZ		08/30/2022 21:41	1		DB-624 0.18(mm)
ZZZZZ		08/30/2022 22:04	1		DB-624 0.18(mm)
ZZZZZ		08/30/2022 22:28	1		DB-624 0.18(mm)
ZZZZZ		08/30/2022 22:52	50		DB-624 0.18(mm)
ZZZZZ		08/30/2022 23:16	50		DB-624 0.18(mm)
ZZZZZ		08/30/2022 23:40	50		DB-624 0.18(mm)
ZZZZZ		08/31/2022 00:03	400		DB-624 0.18(mm)
ZZZZZ		08/31/2022 00:27	400		DB-624 0.18(mm)
ZZZZZ		08/31/2022 00:51	400		DB-624 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Batch Number: 522080 Batch Start Date: 04/07/22 15:03 Batch Analyst: Macenczak, Steven

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	vm25UX18IS 00004	vm25UX18SS 00005	vm50ss 00470	VMAROLISTDW 00432
BFB 240-522080/1		8260C		5 mL	5 mL				
IC 240-522080/3		8260C		5 mL	5 mL	5.78 uL		0.4 uL	0.4 uL
IC 240-522080/4		8260C		5 mL	5 mL	5.78 uL		0.8 uL	0.8 uL
IC 240-522080/5		8260C		5 mL	5 mL	5.78 uL		2 uL	2 uL
IC 240-522080/6		8260C		5 mL	5 mL	5.78 uL	1.156 uL		5 uL
IC 240-522080/7		8260C		5 mL	5 mL	5.78 uL	2.224 uL		10 uL
ICIS 240-522080/8		8260C		5 mL	5 mL	5.78 uL	5.78 uL		20 uL
IC 240-522080/9		8260C		5 mL	5 mL	5.78 uL	9.248 uL		30 uL
IC 240-522080/10		8260C		5 mL	5 mL	5.78 uL	11.56 uL		40 uL
IC 240-522080/11		8260C		5 mL	5 mL	5.78 uL	15.028 uL		50 uL
IC 240-522080/18		8260C		5 mL	5 mL	5.78 uL			
IC 240-522080/19		8260C		5 mL	5 mL	5.78 uL			
IC 240-522080/20		8260C		5 mL	5 mL	5.78 uL			
IC 240-522080/21		8260C		5 mL	5 mL	5.78 uL			
IC 240-522080/22		8260C		5 mL	5 mL	5.78 uL			
IC 240-522080/23		8260C		5 mL	5 mL	5.78 uL			
IC 240-522080/24		8260C		5 mL	5 mL	5.78 uL			
IC 240-522080/25		8260C		5 mL	5 mL	5.78 uL			
IC 240-522080/26		8260C		5 mL	5 mL	5.78 uL			
ICV 240-522080/28		8260C		5 mL	5 mL	5.78 uL	5.78 uL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00028	VMFASA9W 00354	VMRA9W 00430	VMRGAS 00421	VMRPRIMW 00476	
BFB 240-522080/1		8260C		1 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Batch Number: 522080 Batch Start Date: 04/07/22 15:03 Batch Analyst: Macenczak, Steven

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00028	VMFASA9W 00354	VMRA9W 00430	VMRGAS 00421	VMRPRIMW 00476	
IC 240-522080/3		8260C					0.4 uL	0.4 uL	
IC 240-522080/4		8260C					0.8 uL	0.8 uL	
IC 240-522080/5		8260C					2 uL	2 uL	
IC 240-522080/6		8260C					5 uL	5 uL	
IC 240-522080/7		8260C					10 uL	10 uL	
ICIS 240-522080/8		8260C					20 uL	20 uL	
IC 240-522080/9		8260C					30 uL	30 uL	
IC 240-522080/10		8260C					40 uL	40 uL	
IC 240-522080/11		8260C					50 uL	50 uL	
IC 240-522080/18		8260C				0.4 uL			
IC 240-522080/19		8260C				0.8 uL			
IC 240-522080/20		8260C				2 uL			
IC 240-522080/21		8260C				5 uL			
IC 240-522080/22		8260C				10 uL			
IC 240-522080/23		8260C				20 uL			
IC 240-522080/24		8260C				30 uL			
IC 240-522080/25		8260C				40 uL			
IC 240-522080/26		8260C				50 uL			
ICV 240-522080/28		8260C			20 uL				

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Batch Number: 522080 Batch Start Date: 04/07/22 15:03 Batch Analyst: Macenczak, Steven

Batch Method: 8260C Batch End Date:

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 Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Batch Number: 524416 Batch Start Date: 04/28/22 15:10 Batch Analyst: Macenczak, Steven

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	vm25UX18IS 00004	vm25UX18SS 00005	vm50ss 00472	VMAROLISTDW 00435
BFB 240-524416/1		8260C		5 mL	5 mL				
IC 240-524416/3		8260C		5 mL	5 mL	5.78 uL		0.4 uL	0.4 uL
IC 240-524416/4		8260C		5 mL	5 mL	5.78 uL		0.8 uL	0.8 uL
IC 240-524416/5		8260C		5 mL	5 mL	5.78 uL		2 uL	2 uL
IC 240-524416/6		8260C		5 mL	5 mL	5.78 uL	1.156 uL		5 uL
IC 240-524416/7		8260C		5 mL	5 mL	5.78 uL	2.224 uL		10 uL
ICIS 240-524416/8		8260C		5 mL	5 mL	5.78 uL	5.78 uL		20 uL
IC 240-524416/9		8260C		5 mL	5 mL	5.78 uL	9.248 uL		30 uL
IC 240-524416/10		8260C		5 mL	5 mL	5.78 uL	11.56 uL		40 uL
IC 240-524416/11		8260C		5 mL	5 mL	5.78 uL	15.028 uL		50 uL
ICV 240-524416/14		8260C		5 mL	5 mL	5.78 uL	5.78 uL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00028	VMFASAW 00415	VMFASGW 00452	VMFASPW 00441	VMRGAS 00424	VMRPRIMW 00479
BFB 240-524416/1		8260C		1 uL					
IC 240-524416/3		8260C						0.4 uL	0.4 uL
IC 240-524416/4		8260C						0.8 uL	0.8 uL
IC 240-524416/5		8260C						2 uL	2 uL
IC 240-524416/6		8260C						5 uL	5 uL
IC 240-524416/7		8260C						10 uL	10 uL
ICIS 240-524416/8		8260C						20 uL	20 uL
IC 240-524416/9		8260C						30 uL	30 uL
IC 240-524416/10		8260C						40 uL	40 uL
IC 240-524416/11		8260C						50 uL	50 uL
ICV 240-524416/14		8260C			20 uL	20 uL	20 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 Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Batch Number: 524416 Batch Start Date: 04/28/22 15:10 Batch Analyst: Macenczak, Steven

Batch Method: 8260C Batch End Date:

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Batch Number: 540508 Batch Start Date: 08/29/22 10:47 Batch Analyst: Macenczak, Steven

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	vm25UX18IS 00005	vm25UX18SS 00006	VMAROLISTDW 00451
BFB 240-540508/1		8260C		5 mL	5 mL				
CCVIS 240-540508/3		8260C		5 mL	5 mL		5.78 uL	5.78 uL	20 uL
CCV 240-540508/4		8260C		5 mL	5 mL		5.78 uL		
LCS 240-540508/5		8260C		5 mL	5 mL		5.78 uL	5.78 uL	
LCS 240-540508/6		8260C		5 mL	5 mL		5.78 uL	5.78 uL	
MB 240-540508/8		8260C		5 mL	5 mL		5.78 uL	5.78 uL	
240-171981-B-1	MSA-SW37A-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-2	MSA-SW37B-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-3	MSA-SW37C-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-4	MSA-SW37D-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-5	MSA-SW38A-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-6	MSA-SW38B-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-7	MSA-SW38C-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-C-8	MSA-SW38D-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-9	MSA-SW40A-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-10	MSA-SW40B-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-11	MSA-SW40C-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-12	MSA-SW40D-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-13	MSA-SW41A-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-14	MSA-SW41B-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-15	MSA-SW41C-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-16	MSA-SW41D-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-17	MSA-SW42A-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-18	MSA-SW42B-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-19	MSA-SW42C-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00030	VMFASA9W 00371	VMFASAW 00431	VMFASGW 00469	VMFASPW 00456	VMRA9W 00448

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 Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Batch Number: 540508 Batch Start Date: 08/29/22 10:47 Batch Analyst: Macenczak, Steven

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00030	VMFASA9W 00371	VMFASAW 00431	VMFASGW 00469	VMFASPW 00456	VMRA9W 00448
BFB 240-540508/1		8260C		1 uL					
CCVIS 240-540508/3		8260C							
CCV 240-540508/4		8260C							20 uL
LCS 240-540508/5		8260C				20 uL	20 uL	20 uL	
LCS 240-540508/6		8260C			20 uL				
MB 240-540508/8		8260C							
240-171981-B-1	MSA-SW37A-082222	8260C	T						
240-171981-B-2	MSA-SW37B-082222	8260C	T						
240-171981-B-3	MSA-SW37C-082222	8260C	T						
240-171981-B-4	MSA-SW37D-082222	8260C	T						
240-171981-B-5	MSA-SW38A-082222	8260C	T						
240-171981-B-6	MSA-SW38B-082222	8260C	T						
240-171981-B-7	MSA-SW38C-082222	8260C	T						
240-171981-C-8	MSA-SW38D-082222	8260C	T						
240-171981-B-9	MSA-SW40A-082222	8260C	T						
240-171981-B-10	MSA-SW40B-082222	8260C	T						
240-171981-B-11	MSA-SW40C-082222	8260C	T						
240-171981-B-12	MSA-SW40D-082222	8260C	T						
240-171981-B-13	MSA-SW41A-082222	8260C	T						
240-171981-B-14	MSA-SW41B-082222	8260C	T						
240-171981-B-15	MSA-SW41C-082222	8260C	T						
240-171981-B-16	MSA-SW41D-082222	8260C	T						
240-171981-B-17	MSA-SW42A-082222	8260C	T						
240-171981-B-18	MSA-SW42B-082222	8260C	T						
240-171981-B-19	MSA-SW42C-082222	8260C	T						

Lab Sample ID	Client Sample ID	Method Chain	Basis	VMRGAS 00439	VMRPRIMW 00495				
BFB 240-540508/1		8260C							

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Batch Number: 540508 Batch Start Date: 08/29/22 10:47 Batch Analyst: Macenczak, Steven

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	VMRGAS 00439	VMRPRIMW 00495				
CCVIS 240-540508/3		8260C		20 uL	20 uL				
CCV 240-540508/4		8260C							
LCS 240-540508/5		8260C							
LCS 240-540508/6		8260C							
MB 240-540508/8		8260C							
240-171981-B-1	MSA-SW37A-082222	8260C	T						
240-171981-B-2	MSA-SW37B-082222	8260C	T						
240-171981-B-3	MSA-SW37C-082222	8260C	T						
240-171981-B-4	MSA-SW37D-082222	8260C	T						
240-171981-B-5	MSA-SW38A-082222	8260C	T						
240-171981-B-6	MSA-SW38B-082222	8260C	T						
240-171981-B-7	MSA-SW38C-082222	8260C	T						
240-171981-C-8	MSA-SW38D-082222	8260C	T						
240-171981-B-9	MSA-SW40A-082222	8260C	T						
240-171981-B-10	MSA-SW40B-082222	8260C	T						
240-171981-B-11	MSA-SW40C-082222	8260C	T						
240-171981-B-12	MSA-SW40D-082222	8260C	T						
240-171981-B-13	MSA-SW41A-082222	8260C	T						
240-171981-B-14	MSA-SW41B-082222	8260C	T						
240-171981-B-15	MSA-SW41C-082222	8260C	T						
240-171981-B-16	MSA-SW41D-082222	8260C	T						
240-171981-B-17	MSA-SW42A-082222	8260C	T						
240-171981-B-18	MSA-SW42B-082222	8260C	T						
240-171981-B-19	MSA-SW42C-082222	8260C	T						

Batch Notes	
pH Indicator ID	HC281827

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 Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Batch Number: 540508 Batch Start Date: 08/29/22 10:47 Batch Analyst: Macenczak, Steven

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 Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Batch Number: 540740 Batch Start Date: 08/30/22 13:27 Batch Analyst: Macenczak, Steven

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	vm25UX18IS 00005	vm25UX18SS 00006	VMAROLISTDW 00452
CCVIS 240-540740/3		8260C		5 mL	5 mL		5.78 uL	5.78 uL	20 uL
CCV 240-540740/4		8260C		5 mL	5 mL		5.78 uL		
LCS 240-540740/5		8260C		5 mL	5 mL		5.78 uL	5.78 uL	
LCS 240-540740/6		8260C		5 mL	5 mL		5.78 uL	5.78 uL	
MB 240-540740/8		8260C		5 mL	5 mL		5.78 uL	5.78 uL	
BFB 240-540740/10		8260C		5 mL	5 mL				
240-171981-A-25	TB-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-30	MSA-SWEQB-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-20	MSA-SW42D-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-21	MSA-SW43A-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-22	MSA-SW43B-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-C-23	MSA-SW43C-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-C-24	MSA-SW43D-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-26	MSA-SW46A-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-27	MSA-SW47A-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-28	MSA-SW48A-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	
240-171981-B-29	MSA-SW49A-082222	8260C	T	5 mL	5 mL	<2 SU	5.78 uL	5.78 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00030	VMFASA9W 00371	VMFASAW 00431	VMFASGW 00470	VMFASPW 00457	VMRA9W 00448
CCVIS 240-540740/3		8260C							
CCV 240-540740/4		8260C							20 uL
LCS 240-540740/5		8260C				20 uL	20 uL	20 uL	
LCS 240-540740/6		8260C			20 uL				
MB 240-540740/8		8260C							
BFB 240-540740/10		8260C		1 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Batch Number: 540740 Batch Start Date: 08/30/22 13:27 Batch Analyst: Macenczak, Steven

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00030	VMFASA9W 00371	VMFASAW 00431	VMFASGW 00470	VMFASPW 00457	VMRA9W 00448
240-171981-A-25	TB-082222	8260C	T						
240-171981-B-30	MSA-SWEQB-082222	8260C	T						
240-171981-B-20	MSA-SW42D-082222	8260C	T						
240-171981-B-21	MSA-SW43A-082222	8260C	T						
240-171981-B-22	MSA-SW43B-082222	8260C	T						
240-171981-C-23	MSA-SW43C-082222	8260C	T						
240-171981-C-24	MSA-SW43D-082222	8260C	T						
240-171981-B-26	MSA-SW46A-082222	8260C	T						
240-171981-B-27	MSA-SW47A-082222	8260C	T						
240-171981-B-28	MSA-SW48A-082222	8260C	T						
240-171981-B-29	MSA-SW49A-082222	8260C	T						

Lab Sample ID	Client Sample ID	Method Chain	Basis	VMRGAS 00439	VMRPRIMW 00495				
CCVIS 240-540740/3		8260C		20 uL	20 uL				
CCV 240-540740/4		8260C							
LCS 240-540740/5		8260C							
LCS 240-540740/6		8260C							
MB 240-540740/8		8260C							
BFB 240-540740/10		8260C							
240-171981-A-25	TB-082222	8260C	T						
240-171981-B-30	MSA-SWEQB-082222	8260C	T						
240-171981-B-20	MSA-SW42D-082222	8260C	T						
240-171981-B-21	MSA-SW43A-082222	8260C	T						
240-171981-B-22	MSA-SW43B-082222	8260C	T						
240-171981-C-23	MSA-SW43C-082222	8260C	T						
240-171981-C-24	MSA-SW43D-082222	8260C	T						
240-171981-B-26	MSA-SW46A-082222	8260C	T						
240-171981-B-27	MSA-SW47A-082222	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 Canton Job No.: 240-171981-1

SDG No.: MSA Frog Mortar Creek

Batch Number: 540740 Batch Start Date: 08/30/22 13:27 Batch Analyst: Macenczak, Steven

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	VMRGAS 00439	VMRPRIMW 00495				
240-171981-B-28	MSA-SW48A-082222	8260C	T						
240-171981-B-29	MSA-SW49A-082222	8260C	T						

Batch Notes	
pH Indicator ID	HC178690

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

3.6/3.6

Baltimore #201

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CANTON
180 S. VAN BUREN AVE
BARBERTON, OH, 44203

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Josh Mullis	Site Contact: Josh Mullis	Date: 8/23/2022	COC No:
Tetra Tech	Tel/Fax: 410-279-2700	Lab Contact: Roxanne Cisneros	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			
PROJECT # 112IC09567	☐ 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-082322	8/23/2022	1240	SW	Water	3		x	
MSA-SW37B-082322	8/23/2022	1242	SW	Water	3		x	
MSA-SW37C-082322	8/23/2022	1244	SW	Water	3		x	
MSA-SW37D-082322	8/23/2022	1247	SW	Water	3		x	
MSA-SW38A-082322	8/23/2022	1153	SW	Water	3		x	
MSA-SW38B-082322	8/23/2022	1155	SW	Water	3		x	
MSA-SW38C-082322	8/23/2022	1158	SW	Water	3		x	
MSA-SW38D-082322	8/23/2022	1200	SW	Water	3		x	
MSA-SW40A-082322	8/23/2022	1211	SW	Water	3		x	
MSA-SW40B-082322	8/23/2022	1214	SW	Water	3		x	
MSA-SW40C-082322	8/23/2022	1217	SW	Water	3		x	
MSA-SW40D-082322	8/23/2022	1220	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* ☐ *Skin 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	1540	[signature]	TETT	8/24/22 1540
Relinquished by: [signature]	Company: TETT	Date/Time: 8/24/22 1700	Received by: [signature]	Company: CESMC	Date/Time: 8-23-22 15:30
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 2, dated 03/06/2012

Baltimore
#201

CANTON
180 S. VAN BUREN AVE
BARBERTON, OH, 44203

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Josh Mullis	Site Contact: Josh Mullis	Date: 8/22/2022	COC No:
Tetra Tech	Tel/Fax: 410-279-2700	Lab Contact: Roxanne Cisneros	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			
PROJECT # 112IC09567	☐ 1 day			Sample Specific Notes:

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	VOCs + Freon 113/22 + TIC (8260C)
MSA-SW41A-082222	8/22/2022	1134	SW	Water	3		x
MSA-SW41B-082222	8/22/2022	1138	SW	Water	3		x
MSA-SW41C-082222	8/22/2022	1140	SW	Water	3		x
MSA-SW41D-082222	8/22/2022	1143	SW	Water	3		x
MSA-SW42A-082222	8/22/2022	1226	SW	Water	3		x
MSA-SW42B-082222	8/22/2022	1228	SW	Water	3		x
MSA-SW42C-082222	8/22/2022	1231	SW	Water	3		x
MSA-SW42D-082222	8/22/2022	1235	SW	Water	3		x
MSA-SW43A-082222	8/22/2022	1112	SW	Water	3		x
MSA-SW43B-082222	8/22/2022	1117	SW	Water	3		x
MSA-SW43C-082222	8/22/2022	1119	SW	Water	3		x
MSA-SW43D-082222	8/22/2022	1125	SW	Water	3		x

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____ | 2

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin 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	1540	[signature]	TEKT	8/22/22 1540
Relinquished by: [signature]	Company: TEKT	Date/Time: 8/23/22 1500	Received by: [signature]	Company: CDM	Date/Time: 8-23-22 15:30
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 2, dated 03/06/2012

09/01/2022

CANTON
180 S. VAN BUREN AVE
BARBERTON, OH, 44203

Baltimore #201

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Josh Mullis	Site Contact: Josh Mullis	Date: 8/22/2022	COC No
Tetra Tech	Tel/Fax: 410-279-2700	Lab Contact: Roxanne Cisneros	Carrier: Fedex	3 of 3 COCs
20251 Century Blvd, Suite 200	Analysis Turnaround Time			Job No
Germantown, MD 20874	Calendar (C) or Work Days (W)			
(301) 528-3021 Phone	TAT if different from Below STANDARD			SDG No
(301) 528-3000 FAX	☐ 2 weeks			
Project Name: MSA Surface Water Sampling	☐ 1 week			Sampler: J Mullis
Site: MSA Frog Mortar Creek	☐ 2 days			
PROJECT # 112IC09567	☐ 1 day			Sample Specific Notes:

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	VOCs + Freon 113/22 + TIC (8260C)
TB-082222	8/22/2022	0000	SW	Water	2		X
MSA-SW46A-082222	8/22/2022	1222	SW	Water	3		X
MSA-SW47A-082222	8/22/2022	1205	SW	Water	3		X
MSA-SW48A-082222	8/22/2022	1148	SW	Water	3		X
MSA-SW49A-082222	8/22/2022	1130	SW	Water	3		X
MSA-SWEQB-082222	8/22/2022	0000	SW	Water	3		X

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____ 2

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:

	Company	Date/Time		Company	Date/Time
Relinquished by:	Tetra Tech	8.22.22 1540	Received by:	FEDEX	8/22/22 1540
Relinquished by:	FEDEX	8/24/22 700	Received by:	eetrx	8-23-22 15:30
Relinquished by:			Received by:		

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09/01/2022

Eurofins - Canton Sample Receipt Form/Narrative Login # : 171981
Barberton Facility

Client TestAmerica Site Name

Cooler Received on 8-23-22 Opened on 8-23-22

Cooler unpacked by: Mandy Blair

FedEx: 1st Grd Exp UPS FAS Clipper Client Drop Off Eurofins Courier Other

Receipt After-hours: Drop-off Date/Time Storage Location

Eurofins 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-13 (CF 0.0 °C) Observed Cooler Temp. 3.6 °C Corrected Cooler Temp. 3.6 °C
   IR GUN #IR-15 (CF -0.7°C) Observed Cooler Temp. ____ °C Corrected Cooler Temp. ____ °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity ____	Yes	No
-Were the seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were tamper/custody seals on the bottle(s) or bottle kits (LLHg/MeHg)?	Yes	No
-Were tamper/custody seals intact and uncompromised?	Yes	No NA
3. Shippers' packing slip attached to the cooler(s)?	Yes	No
4. Did custody papers accompany the sample(s)?	Yes	No
5. Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6. Was/were the person(s) who collected the samples clearly identified on the COC?	Yes	No
7. Did all bottles arrive in good condition (Unbroken)?	Yes	No
8. Could all bottle labels (ID/Date/Time) be reconciled with the COC?	Yes	No
9. For each sample, does the COC specify preservatives (Y/N), # of containers (Y/N), and sample type of grab/comp(Y/N)?		
10. Were correct bottle(s) used for the test(s) indicated?	Yes	No
11. Sufficient quantity received to perform indicated analyses?	Yes	No
12. Are these work share samples and all listed on the COC?	Yes	No
If yes, Questions 13-17 have been checked at the originating laboratory.		
13. Were all preserved sample(s) at the correct pH upon receipt?	Yes	No NA pH Strip Lot# HC286797
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) SW38B, SW40A, SW40B, SW41B, SW41C, SW43D, Trip blank, SW48A 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: ____

WI-NC-099

APPENDIX C – FINAL ANALYTICAL DATA AUGUST 2022

Appendix C
Analytical Results for August 2022 Surface Water Sampling in Frog Mortar Creek
Middle River, Maryland

LOCATION	MSA-SW37A	MSA-SW37B	MSA-SW37C	MSA-SW37D
SAMPLE ID	MSA-SW37A-082222	MSA-SW37B-082222	MSA-SW37C-082222	MSA-SW37D-082222
SAMPLE DATE	20220822	20220822	20220822	20220822
Volatile organic compounds (µg/L)				
1,1,1,2-TETRACHLOROETHANE	0.43 UJ	0.43 UJ	0.43 UJ	0.43 UJ
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 UJ	0.76 UJ	0.76 UJ	0.76 UJ
BROMOMETHANE	0.42 UJ	0.42 UJ	0.42 UJ	0.42 UJ
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 UJ	0.83 UJ	0.83 UJ	0.83 UJ
CHLOROFORM	0.47 U	0.47 U	0.47 U	0.47 U
CHLOROMETHANE	0.63 U	0.63 U	0.63 U	0.63 U
CIS-1,2-DICHLOROETHENE	0.46 U	0.46 U	0.46 U	0.46 U
CIS-1,3-DICHLOROPROPENE	0.61 U	0.61 U	0.61 U	0.61 U
DIBROMOMETHANE	0.4 U	0.4 U	0.4 U	0.4 U
DICHLORODIFLUOROMETHANE	0.35 UJ	0.35 UJ	0.35 UJ	0.35 UJ
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 UJ	0.44 UJ	0.44 UJ	0.44 UJ
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 UJ	0.61 UJ	0.61 UJ	0.61 UJ
VINYL CHLORIDE	0.45 U	0.45 U	0.45 U	0.45 U

All concentrations are in microbrams per liter (µg/L).
U - not detected.
UJ - not detected; detection limit may be imprecise/inaccurate.
UR - rejected; unusable because certain criteria were not met.

Appendix C
Analytical Results for August 2022 Surface Water Sampling in Frog Mortar Creek
Middle River, Maryland

LOCATION	MSA-SW38A	MSA-SW38B	MSA-SW38C	MSA-SW38D
SAMPLE ID	MSA-SW38A-082222	MSA-SW38B-082222	MSA-SW38C-082222	MSA-SW38D-082222
SAMPLE DATE	20220822	20220822	20220822	20220822
Volatile organic compounds (µg/L)				
1,1,1,2-TETRACHLOROETHANE	0.43 UJ	0.43 UJ	0.43 UJ	0.43 UJ
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 UJ	0.76 UJ	0.76 UJ	0.76 UJ
BROMOMETHANE	0.42 UJ	0.42 UJ	0.42 UJ	0.42 UJ
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 UJ	0.83 UJ	0.83 UJ	0.83 UJ
CHLOROFORM	0.47 U	0.47 U	0.47 U	0.47 U
CHLOROMETHANE	0.63 U	0.63 U	0.63 U	0.63 U
CIS-1,2-DICHLOROETHENE	0.46 U	0.46 U	0.46 U	0.46 U
CIS-1,3-DICHLOROPROPENE	0.61 U	0.61 U	0.61 U	0.61 U
DIBROMOMETHANE	0.4 U	0.4 U	0.4 U	0.4 U
DICHLORODIFLUOROMETHANE	0.35 UJ	0.35 UJ	0.35 UJ	0.35 UJ
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 UJ	0.44 UJ	0.44 UJ	0.44 UJ
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 UJ	0.61 UJ	0.61 UJ	0.61 UJ
VINYL CHLORIDE	0.45 U	0.45 U	0.45 U	0.45 U

All concentrations are in microbrams per liter (µg/L).
U - not detected.
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Appendix C
Analytical Results for August 2022 Surface Water Sampling in Frog Mortar Creek
Middle River, Maryland

LOCATION	MSA-SW40A	MSA-SW40B	MSA-SW40C	MSA-SW40D
SAMPLE ID	MSA-SW40A-082222	MSA-SW40B-082222	MSA-SW40C-082222	MSA-SW40D-082222
SAMPLE DATE	20220822	20220822	20220822	20220822
Volatile organic compounds (µg/L)				
1,1,1,2-TETRACHLOROETHANE	0.43 UJ	0.43 UJ	0.43 UJ	0.43 UJ
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 UJ	0.76 UJ	0.76 UJ	0.76 UJ
BROMOMETHANE	0.42 UJ	0.42 UJ	0.42 UJ	0.42 UJ
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 UJ	0.83 UJ	0.83 UJ	0.83 UJ
CHLOROFORM	0.47 U	0.47 U	0.47 U	0.47 U
CHLOROMETHANE	0.63 U	0.63 U	0.63 U	0.63 U
CIS-1,2-DICHLOROETHENE	0.46 U	0.46 U	0.46 U	0.46 U
CIS-1,3-DICHLOROPROPENE	0.61 U	0.61 U	0.61 U	0.61 U
DIBROMOMETHANE	0.4 U	0.4 U	0.4 U	0.4 U
DICHLORODIFLUOROMETHANE	0.35 UJ	0.35 UJ	0.35 UJ	0.35 UJ
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 UJ	0.44 UJ	0.44 UJ	0.44 UJ
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 UJ	0.61 UJ	0.61 UJ	0.61 UJ
VINYL CHLORIDE	0.45 U	0.45 U	0.45 U	0.45 U

All concentrations are in microbrams per liter (µg/L).
U - not detected.
UJ - not detected; detection limit may be imprecise/inaccurate.
UR - rejected; unusable because certain criteria were not met.

Appendix C
Analytical Results for August 2022 Surface Water Sampling in Frog Mortar Creek
Middle River, Maryland

LOCATION	MSA-SW41A	MSA-SW41B	MSA-SW41C	MSA-SW41D
SAMPLE ID	MSA-SW41A-082222	MSA-SW41B-082222	MSA-SW41C-082222	MSA-SW41D-082222
SAMPLE DATE	20220822	20220822	20220822	20220822
Volatile organic compounds (µg/L)				
1,1,1,2-TETRACHLOROETHANE	0.43 UJ	0.43 UJ	0.43 UJ	0.43 UJ
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 UJ	0.76 UJ	0.76 UJ	0.76 UJ
BROMOMETHANE	0.42 UJ	0.42 UJ	0.42 UJ	0.42 UJ
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 UJ	0.83 UJ	0.83 UJ	0.83 UJ
CHLOROFORM	0.47 U	0.47 U	0.47 U	0.47 U
CHLOROMETHANE	0.63 U	0.63 U	0.63 U	0.63 U
CIS-1,2-DICHLOROETHENE	0.46 U	0.46 U	0.46 U	0.46 U
CIS-1,3-DICHLOROPROPENE	0.61 U	0.61 U	0.61 U	0.61 U
DIBROMOMETHANE	0.4 U	0.4 U	0.4 U	0.4 U
DICHLORODIFLUOROMETHANE	0.35 UJ	0.35 UJ	0.35 UJ	0.35 UJ
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 UJ	0.44 UJ	0.44 UJ	0.44 UJ
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 UJ	0.61 UJ	0.61 UJ	0.61 UJ
VINYL CHLORIDE	0.45 U	0.45 U	0.45 U	0.45 U

All concentrations are in microbrams per liter (µg/L).
U - not detected.
UJ - not detected; detection limit may be imprecise/inaccurate.
UR - rejected; unusable because certain criteria were not met.

Appendix C
Analytical Results for August 2022 Surface Water Sampling in Frog Mortar Creek
Middle River, Maryland

LOCATION	MSA-SW42A	MSA-SW42B	MSA-SW42C	MSA-SW42D
SAMPLE ID	MSA-SW42A-082222	MSA-SW42B-082222	MSA-SW42C-082222	MSA-SW42D-082222
SAMPLE DATE	20220822	20220822	20220822	20220822
Volatile organic compounds (µg/L)				
1,1,1,2-TETRACHLOROETHANE	0.43 UJ	0.43 UJ	0.43 UJ	0.43 UJ
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 UJ	0.76 UJ	0.76 UJ	0.76 UJ
BROMOMETHANE	0.42 UJ	0.42 UJ	0.42 UJ	0.42 UJ
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 UJ	0.83 UJ	0.83 UJ	0.83 UJ
CHLOROFORM	0.47 U	0.47 U	0.47 U	0.47 U
CHLOROMETHANE	0.63 U	0.63 U	0.63 U	0.63 U
CIS-1,2-DICHLOROETHENE	0.46 U	0.46 U	0.46 U	0.46 U
CIS-1,3-DICHLOROPROPENE	0.61 U	0.61 U	0.61 U	0.61 U
DIBROMOMETHANE	0.4 U	0.4 U	0.4 U	0.4 U
DICHLORODIFLUOROMETHANE	0.35 UJ	0.35 UJ	0.35 UJ	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 UJ	0.44 UJ	0.44 UJ	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 UJ	0.61 UJ	0.61 UJ	0.61 UJ
VINYL CHLORIDE	0.45 U	0.45 U	0.45 U	0.45 U

All concentrations are in microbrams per liter (µg/L).
U - not detected.
UJ - not detected; detection limit may be imprecise/inaccurate.
UR - rejected; unusable because certain criteria were not met.

Appendix C
Analytical Results for August 2022 Surface Water Sampling in Frog Mortar Creek
Middle River, Maryland

LOCATION	MSA-SW43A	MSA-SW43B	MSA-SW43C	MSA-SW43D
SAMPLE ID	MSA-SW43A-082222	MSA-SW43B-082222	MSA-SW43C-082222	MSA-SW43D-082222
SAMPLE DATE	20220822	20220822	20220822	20220822
Volatile organic compounds (µg/L)				
1,1,1,2-TETRACHLOROETHANE	0.43 UJ	0.43 UJ	0.43 UJ	0.43 UJ
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 UJ	0.76 UJ	0.76 UJ	0.76 UJ
BROMOMETHANE	0.42 UJ	0.42 UJ	0.42 UJ	0.42 UJ
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 UJ	0.83 UJ	0.83 UJ	0.83 UJ
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 UJ	0.61 UJ	0.61 UJ	0.61 UJ
VINYL CHLORIDE	0.45 U	0.45 U	0.45 U	0.45 U

All concentrations are in microbrams per liter (µg/L).
U - not detected.
UJ - not detected; detection limit may be imprecise/inaccurate.
UR - rejected; unusable because certain criteria were not met.

Appendix C
Analytical Results for August 2022 Surface Water Sampling in Frog Mortar Creek
Middle River, Maryland

LOCATION	MSA-SW46A	MSA-SW47A	MSA-SW48A	MSA-SW49A
SAMPLE ID	MSA-SW46A-082222	MSA-SW47A-082222	MSA-SW48A-082222	MSA-SW49A-082222
SAMPLE DATE	20220822	20220822	20220822	20220822
Volatile organic compounds (µg/L)				
1,1,1,2-TETRACHLOROETHANE	0.43 UJ	0.43 UJ	0.43 UJ	0.43 UJ
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
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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
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TOTAL XYLENES	0.42 U	0.42 U	0.42 U	0.42 U
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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 UJ	0.61 UJ	0.61 UJ	0.61 UJ
VINYL CHLORIDE	0.45 U	0.45 U	0.45 U	0.45 U

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