



2023 Groundwater Monitoring Report

**RCRA Corrective Action
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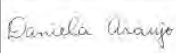
**2915 Dr. Martin Luther King Jr. Boulevard, Anderson, IN
Revitalizing Auto Communities Environmental Response
Trust**

Indiana Department of Environmental Management

March 27, 2024

→ The Power of Commitment



Project name		RACER: Delphi I (Anderson)					
Document title		2023 Groundwater Monitoring Report 2915 Dr. Martin Luther King Jr. Boulevard, Anderson, IN Revitalizing Auto Communities Environmental Response Trust					
Project number		11209506					
File name		11209506-RPT-10-2023-Groundwater Monitoring Report (Final)					
Status Code	Revision	Author	Reviewer		Approved for issue		
			Name	Signature	Name	Signature	Date
S3	A	Robert Catallo	Daniela Araujo	On File	Robert Catallo	On File	26/03/24
S4	0	Robert Catallo	Daniela Araujo		Robert Catallo		27/03/24

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List of Acronyms/Short Forms

1,1-DCA	1,1-dichloroethane
mg/L	milligrams per liter
AOC	Area of Concern
AOI	Areas of Interest
bgs	below ground surface
cis-1,2-DCE	cis-1,2-dichloroethene
CM	corrective measures
CMP	Corrective Measures Proposal
CRA	Conestoga-Rovers & Associates
DCE	dichloroethene
DO	dissolved oxygen
ENVIRON	ENVIRON International Corporation
EPA	United States Environmental Protection Agency
FEMA	Federal Emergency Management Agency
GMC	General Motors Corporation
ID	identification
IDEM	Indiana Department of Environmental Management
IDW	investigative derived waste
MCL	Maximum Contaminant Level
MLK	Martin Luther King Junior
NAVD	North American Vertical Datum
ORP	oxidation reduction potential
RACER	Revitalizing Auto Communities Environmental Response
RCGSL	Remediation Closure Guide Screening Levels
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
RHHRA	Human Health Risk Assessment and Derivation of Site-Specific Risk-based Screening Levels Report
SWMU	Solid Waste Management Unit
TCE	trichloroethene
TCL	target compound list
trans-1,2-DCE	trans-1,2-dichloroethene
VOC	volatile organic compound
WWTP	wastewater treatment plant

1. Introduction

GHD, on behalf of the Revitalizing Auto Communities Environmental Response (RACER) Trust, has prepared this 2023 Groundwater Monitoring Report (Report) for the RACER Trust facility located at 2915 Dr. Martin Luther King Junior (MLK) Boulevard in Anderson, Indiana (Site).

1.1 Purpose of this Report

This Report has been prepared to summarize the results of groundwater and surface water monitoring conducted at and near the Site in 2023. This Report is submitted to the Indiana Department of Environmental Management (IDEM) in support of ongoing Resource Conservation and Recovery Act (RCRA) Corrective Action at the Site. The monitoring was conducted pursuant to the Site Groundwater Monitoring Plan (GHD, March 15, 2022).

The Site-wide groundwater monitoring program is intended to be implemented as part of the final corrective measures (CM) at the Site. As such, the primary objectives of the Site-wide groundwater monitoring is to:

- Monitor the stability of the two volatile organic compound (VOC) groundwater plumes

As the final corrective measures includes long-term monitoring of groundwater quality, this Report has been prepared to summarize the 2023 groundwater monitoring activities and review of the 2023 analytical data. As appropriate, this Report supplements findings of the Final RCRA Facility Investigation (RFI) Report (CRA, June 2014) and previous groundwater monitoring reports. It is noted that the historical information in this Report is largely cited from the 2011 Annual Groundwater Monitoring Report (AECOM, 2012), prepared by others.

1.2 Scope and Limitations

This report: has been prepared by GHD for RACER Trust and may only be used and relied on by RACER Trust for the purpose agreed between GHD and RACER Trust as set out in Section 1.1 of this report.

GHD otherwise disclaims responsibility to any person other than RACER Trust arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

2. Background

2.1 Site Description

The Site is located in the northwest quarter of Section 23, T19N, R7E, on the southwest side of Anderson, Madison County, Indiana. Formerly the Site was comprised of approximately 3,000,000 square feet of manufacturing operations situated on 234 acres. A Site location map is provided on **Figure 1**.

MLK Boulevard divides the Site in a north-south direction. The former east manufacturing areas (Plants 6 and 9) and the Wastewater Treatment Plant (WWTP) are bounded by active railroad tracks to the south, by 29th Street to the north, and Madison Avenue to the east. The former manufacturing facilities west of MLK Boulevard, referred to as the

Main Plant, are bounded to the west and south by active railroad tracks, and to the north by 25th Street. Facility parking areas were located west of the westernmost railroad, and north of 25th street. A small public-access park is located in the northernmost portion of the Site. A Site plan is provided on **Figure 2**.

Land use surrounding the Site varies from residential and commercial to the north and east, residential and recreational (Meadowbrook Golf Course) to the south, and residential and agricultural to the west.

2.2 Site History

Operations began at the MLK Boulevard facility in 1929. Primary manufacturing operations at the Site included injection molding, stamping, assembly and wastewater treatment. Manufacturing plants were expanded several times, generally proceeding from the north end of the Main Plant southward and eastward through 1989.

The former Plant 6 and 9 properties and a lot east of Madison Avenue were sold soon after related manufacturing operations ceased in 1997. All manufacturing operations at the Site ceased in 2006. Facilities west of MLK Boulevard were demolished during the period of late 2007 to early 2009. The demolition included the removal of all concrete building slabs and many areas of pavement around the immediate Main Plant building area. Following demolition, the area was regraded and covered with varying thickness of crushed concrete. A soil and vegetative cover were applied during the summer of 2009.

General Motors Corporation (GMC) declared bankruptcy in June 2009. The RACER Trust was created in March 2011 by the U.S. Bankruptcy Court to clean up and position for redevelopment certain properties and other facilities owned by former GMC before the 2009 bankruptcy, including this Site.

RACER Trust sold the northern portion of the former Main Plant building (Tract B North) on April 1, 2015. Tract B (North) was redeveloped as a plastic injection molding plant later in 2015. RACER Trust donated Tracts C and F and Crawford Field, north of the former main plant building, to the City of Anderson on September 14, 2015. Lot 1, east of MLK Boulevard, was sold on July 6, 2016. RACER Trust sold the central portion of the former Main Plant building (Tract B Central) on September 14, 2019 for expansion to the plastic injection molding plant. RACER Trust sold the south portion of the former Main Plant building (Tract B South) on, or about December 15, 2023. The buyer intends to construct a building and storage yard to better serve the plastic injection molding plant and other businesses. The remaining portions of the Site that were held by GMC until its bankruptcy in June 2009 are currently owned by RACER Trust. The Site boundary and historical operational areas are shown on **Figure 3**.

2.3 Hydrologic Setting

2.3.1 Physiography

The Site is situated in the New Castle Till Plains and Drainage ways Section of the Central Till Plain Region as described by Gray (2000). This area was affected by multiple continental glaciations that deposited a thick blanket of glacial sediments over the bedrock. The New Castle Till Plains and Drainage ways Section is primarily underlain by complexly stratified glacial diamict deposits, glaciofluvial sand and gravel deposits and glaciolacustrine silt and clay deposits. The area is characterized by broad plains of low relief crossed by relict glacial meltwater valleys (2011 Annual Groundwater Monitoring Report, AECOM, January 31, 2012).

2.3.2 Stormwater/Surface Water Drainage

The Site area is nearly level with elevations ranging from 860 to 880 feet North American Vertical Datum (NAVD) 88. East of MLK Boulevard the elevation is lowest, and the surface elevation descends into a relict glacial meltwater valley. Former Plant 9, Plant 6, and the Meadowbrook Golf Course are all located in the relict meltwater valley, the western border of which roughly follows the alignment of MLK Boulevard. This valley trends south-southwest from Anderson, Indiana several miles towards Pendleton, Indiana (Brown and others, 2003). A small channelized stream, Stanley Ditch, occupies the north end of the relict meltwater valley and drains westward along the south boundary of

the Meadowbrook Golf Course. Stanley Ditch originally flowed to the north between former Plant 6 and Plant 9 but was diverted southward in 1963 to provide stormwater relief for the City of Anderson combined sewer system. As a result, Stanley Ditch is now tributary to Prairie Creek and flows to the south down the trend of the valley to Pendleton, Indiana where it joins Fall Creek, a tributary to the West Fork White River.

Stormwater run-off from paved areas of the property either infiltrates the ground surface or is directed to the combined sewer system that discharges north to the City of Anderson Publicly Owned Treatment Works on the West Fork White River. The combined sewer system flows northward across the Meadowbrook Golf Course property and beneath former Plant 9 up the trend of the relict meltwater channel. Stormwater on the northern portion of the Meadowbrook Golf course property is directed through piping, and discharges to ponds. Stormwater in the southern portion of the Meadowbrook property drains southward toward Stanley Ditch that flows along the southern and eastern property boundaries of the golf course.

A drainage divide between Stanley Ditch and Prairie Creek, draining to the south, and the combined sewer system, draining north to West Fork White River, appears to occur near the south side of former Plant 9, perhaps near and along the South Anderson Cutoff railroad embankment. Areas to the south of the railroad embankment, including most of the Meadowbrook Golf Course, are floodway and floodway fringe areas subject to flooding (Federal Emergency Management Agency [FEMA], February 18, 1994). (2011 Annual Groundwater Monitoring Report, AECOM, January 31, 2012).

2.3.3 Hydrogeology

Figure 4 presents a generalized, schematic east-west hydrogeologic cross-section of the unconsolidated materials at the Site showing monitoring well completion intervals. The unconsolidated deposits range from less than 20 feet to over 160 feet in thickness and overlie an irregular bedrock surface. Bedrock beneath the Site consists of carbonate rocks of Silurian age. The bedrock topography beneath the Site slopes to the northwest into a pre-glacial bedrock valley. The bedrock is high (above 840 foot elevation) in the southern portion of the former Plant 9 area and at the Meadowbrook Golf Course. Bedrock is generally only about 20 feet below ground surface (bgs) in this area as a result of both the high bedrock elevation and low ground surface elevation in the relict meltwater valley area east of MLK Boulevard. To the northwest, the bedrock elevation descends to below 730 foot elevation at former groundwater production well 11 and the bedrock in this area is in excess of 158 feet bgs.

Detailed hydrogeologic cross-sections are presented in both the Stage II RCRA Facility Investigation (RFI) Data Report (Earth Tech, March 30, 2005) and the RFI Final Report (Earth Tech and ENVIRON International Corporation [ENVIRON], September 28, 2007). Five distinct geologic units are recognized in the unconsolidated surficial soil materials. These units are identified from top to bottom as Units 1 to 5.

Unit 1 is a heterogeneous fill material consisting of silty clay loam, silty clay, sandy clay, sandy clay loam, and loam texture soil intermixed, in places, with debris consisting of wood, brick, glass, brick, concrete, coal fragments, and cinders. The unit consists of fill material placed at various times during the developmental history of the property and is generally no more than a few feet in thickness. In places, the lower portion of the Unit 1 fill is saturated and a localized perched groundwater zone occurs. The clayey diamicts in the underlying Unit 2 confining unit cause this perched groundwater condition. Saturated conditions have been observed in the basal portion of Unit 1 in several shallow Area of Concern (AOC) 1 – South Court Area soil borings.

Unit 2 is a glacial diamict of silty clay loam, silty clay, and loam texture with occasional thin, interbedded sand and gravel deposits. Sand and gravel lithologies make up a small percentage of the unit. Unit 2 is thin in southern and eastern parts of the Site, but thickens to the north and west.

Unit 3 consists of stratified sand and gravel and forms the uppermost aquifer beneath the Site. In places, a diamict occurs within Unit 3 and is identified as the Unit 3 Confining Bed. At some locations the confining bed is represented by a distinctive silty texture and laminated structure. The confining bed is hydrologically significant because it separates the Unit 3 aquifer into an upper portion (Unit 3S) and lower portion (Unit 3D). Unit 3 is generally only 10 to 20 feet thick in the eastern part of the Site beneath the meltwater valley. The unit thickens appreciably in the western part of the area where it forms the major portion of the unconsolidated deposits.

Unit 3 is almost entirely within the phreatic zone and is the uppermost aquifer unit at the Site. Groundwater may exist in the unit under both confined and unconfined conditions. Where the base of Unit 2 is relatively high in elevation, the upper few feet of Unit 3 are unsaturated, and unconfined conditions occur. At locations where the base of Unit 2 is relatively low in elevation the top of Unit 3 is saturated, and confined conditions occur.

Conceptually, Unit 3 may be divided into an upper (Unit 3S) and lower (Unit 3D) part. In those places where there is no physical separation between the upper and lower parts of the unit provided by the Unit 3 Confining Bed, the designations 3S and 3D merely provide a convenient way to refer to the upper and lower portions of the Unit 3 aquifer, and the monitoring wells completed therein. Where a physical separation occurs due to the presence of the Unit 3 Confining Bed, Unit 3S refers to that portion of the aquifer above the confining layer and Unit 3D refers to that portion below the confining layer. Locally, the Unit 3 Confining Bed induces a downward vertical gradient within the Unit 3 aquifer. Where the confining bed is absent, water levels in Units 3S and 3D are comparable.

The lateral groundwater gradient in Unit 3S is directed to the east-northeast in AOC 1 - South Court Area. Locally there are significant variations in the magnitude and direction of the gradient related, in part, to the presence or absence of the Unit 3 Confining Bed. An east-southeast oriented potentiometric trough in Unit 3S persistently occurs in the vicinity of MW 40 and MW 42 where the confining bed is absent. In this area groundwater flow in Unit 3S appears to be directed easterly into the relict meltwater valley.

The hydraulic gradient for Unit 3D is more consistent and the potentiometric surface for this unit suggests an eastward gradient in the South Court Area and along MLK Boulevard and a predominantly western gradient across the east portion of the Site into the meltwater valley.

Unit 4 consists of hard diamict of loam or clay loam texture. The unit forms a confining bed between Unit 3 and Silurian carbonate bedrock. The unit is absent from the eastern part of the area at Plant 9 and portions of the adjacent Meadowbrook Golf Course.

Two deep bedrock borings at the north end of the Site (MW 62 and MW 71) encountered a bed of cobbles above the bedrock surface. This zone is referred to as Unit 5. The unit was encountered at no other locations. (2011 Annual Groundwater Monitoring Report, AECOM, January 31, 2012).

2.4 Previous Groundwater Investigations

The following sections summarize groundwater investigations that have been conducted at the Site. Monitoring wells on and adjacent to the Site have been installed at various times. The earliest Site wells (MW 1 to MW 17) were installed in 1992 and 1993 for the purposes of evaluating a suspected waste oil leak at Area 1 – Former Waste Oil Tank [Solid Waste Management Unit (SWMU) 16]. The longest monitoring history exists for these wells. Most of the 1992 / 1993 wells were installed in Unit 3S. No evidence of a significant waste oil leak was found at SWMU 16, but elevated concentrations of VOCs, primarily trichloroethene (TCE), cis 1,2 dichloroethene (cis-1,2-DCE) and vinyl chloride were detected in several wells in this area. These wells are now known to be located in and around a source area for the Area 1 – South Court VOC plume.

Work associated with RFI Stage I in 2000 to 2001 included installation of 20 new monitoring wells (MW 18 to MW 37) and collection of 85 groundwater samples from new and existing wells. The new wells were completed in Units 1, 3S, and 3D. The Stage I investigations partially delineated a groundwater VOC plume extending north and east from AOC 1 - South Court. This plume was found to lie underneath several previously-defined Areas of Interest (AOIs) and was referred to as Area 1. The Stage I RFI investigations identified concentrations of TCE, cis 1,2 DCE, and vinyl chloride above screening criteria based on state and federal Maximum Contaminant Levels (MCLs). A Stage I RFI report was completed in 2001, and this report included a work plan for additional groundwater delineation work in both on and off-Site areas (Earth Tech and ENVIRON, July 31, 2001).

In 2001 a Phase II Environmental Site Assessment was conducted in the north parking area and three monitoring wells (MW1 01 to MW3 01) were installed. Groundwater concentrations, where detected, were detected below IDEM's criteria. TCE, cis-1,2-DCE and vinyl chloride were not detected in groundwater samples collected.

Stage II RFI investigations began in late 2003. Work associated with the Stage II RFI in 2003 to 2005 included installation of 47 monitoring wells (MW 38 to MW 84) and collection of 182 groundwater samples from both new and existing wells. Area 1 was expanded to include Plant 9 as well as off Site areas including Meadowbrook Golf Course. Seven wells (MW-1 to MW-7) were installed on the golf course by others in 2003. Sampling of MW-4 in October 2003 indicated that high concentrations of cis 1,2 DCE and vinyl chloride were present. Additional wells (MW 56, MW 57, MW 58, MW 77, and MW 85) were installed by GMC on the golf course in 2004 and 2007 to delineate the VOC plume southeast of MW-4. These and other RFI Stage II monitoring wells delineated the concentrations of TCE, cis 1,2 DCE, and vinyl chloride above MCLs both on and off Site (Earth Tech and ENVIRON, September 28, 2007).

Three additional monitoring wells (MW 86, MW 87, and MW 88) were installed on the Plant 9 property in October 2010 to provide additional downgradient plume delineation. One well was installed downgradient of MW49 (MW89-11) in 2011 to provide additional downgradient plume delineation in proximity to nearby residential land use. In 2012 and 2013, three monitoring wells (MW90-12, MW91-12, and MW92-13) were installed near a recently identified AOI referred to as former Bay M26/M27 to assess groundwater quality in the vicinity of the AOI, not previously investigated. In 2013, four monitoring wells (MW 93-13 to MW 96-13) were installed to delineate the lateral extent of groundwater impacts at the perceived source area for the former WWTP Area plume.

In 2014, one monitoring well (MW97-14) was installed to delineate groundwater impacts beneath the Meadowbrook Golf Course. However, MW 97-14 was decommissioned and replaced in May 2016 (MW 97R-16) at a nearby location to facilitate easier lawn maintenance at the request of the property owner.

Seventeen monitoring wells (MW 1-01, MW2-01, MW3-01, MW 11, MW 24, MW 25, MW 34, MW35, MW 52, MW 53, MW 54, MW 55, MW 69, MW 70, MW 71, MW 72, and MW 73) north and west of the former main manufacturing areas, upgradient of the VOC plumes, and not a part of the IDEM approved groundwater monitoring plan were abandoned in March and April 2014 following approval from IDEM (VFC # 69789483).

In October 2018, two monitoring wells (MW98-18 and MW99-18) were advanced and installed to further delineate bedrock groundwater impacts on-Site, east of MLK Boulevard.

During construction activities at the Tract B Central property in October and November 2019, monitoring wells MW 50 and MW 51 were decommissioned as they were in the area of a proposed building.

From October 2005 until October 2007 GMC conducted quarterly monitoring of a selected group of monitoring wells according to an interim Site-wide groundwater monitoring plan (Conestoga-Rovers & Associates [CRA], September 20, 2005). This work was conducted for nine consecutive quarters ending in October 2007. Summary results from this monitoring were provided in the 2006 and 2007 Annual Groundwater Monitoring Reports (Earth Tech and ENVIRON, January 31, 2007, January 31, 2008) and an additional round of groundwater monitoring was conducted in February 2008.

The interim monitoring program was replaced by a Site-wide Groundwater Monitoring Plan associated with the draft Corrective Measures Proposal for the Facility. This program consisted of semiannual sampling at a modified well list with sampling of two surface water monitoring points on the Meadowbrook Golf Course conducted three times per year. The sampling plan for this program (AECOM, October 28, 2010) was approved by the IDEM on November 24, 2010. Sampling under this program was conducted from June 2008 to April 2019. On June 10, 2019, IDEM provided comments on the 2018 Annual Groundwater Monitoring Report recommending that groundwater monitoring shift from semi-annual to sampling every 18 months.

The updated Groundwater Monitoring Plan (GHD, March 15, 2022) was prepared as part of the final corrective measures and replaced the previous Site-wide Groundwater Monitoring Plan. Site groundwater monitoring currently occurs every 18 months.

2.5 Area 1 – South Court and Related Areas

The groundwater contaminant plumes at the Site are associated with Area 1 – South Court and Related Areas. Previous isoconcentration maps for Unit 3 suggest there are two separate VOC plumes. One plume is associated with Area 1 – South Court. The AOC 1 – South Court plume extends in a northeast direction from the South Court beneath

several SWMUs in the former Main Plant building area. The predominant VOC contaminants detected in this area are TCE, cis-1,2-DCE, and vinyl chloride. The highest reported concentrations of TCE in this plume are found in the South Court at MW 3 (Unit 3S), MW 15 (Unit 3S), and MW 16 (Unit 3S). Perched groundwater in Unit 1 appears to serve as a source area for VOC contaminants in Unit 3. These VOC contaminants are present in both the 3S and 3D portions of Unit 3, but concentrations are generally higher in the upper portion of the unit.

A separate plume is located along and east of MLK Boulevard. Historically the primary evidence for separation of this plume from the AOC 1 – South Court plume comes from four Unit 3S wells located between the plumes where VOCs have not been detected or detected at only very low levels (MW 29, MW 46, MW 59 and MW 84). The VOC plume east of MLK Boulevard extends from an apparent source near MW 68 and the former WWTP along MLK Boulevard eastward toward former Plant 9 and the Meadowbrook Golf Course. The plume has migrated to the south to at least MW 57 and MW 85 on the golf course and to the north to MW 88. This plume is referred to as the former WWTP Area plume. The predominant VOC constituents detected in this area are cis-1,2-DCE and vinyl chloride. TCE is only a minor plume component.

3. 2023 Groundwater Monitoring Activities

3.1 Groundwater and Surface Water Monitoring

Groundwater and surface water monitoring activities were conducted between October 2 and October 12, 2023 in general accordance with the Site-wide Groundwater Monitoring Plan. The Site-wide groundwater monitoring program includes 41 monitoring wells sampled every eighteen months. The surface water monitoring program includes sampling the Meadowbrook Golf Course Irrigation Pond. The next Site-wide groundwater and surface water monitoring event will be conducted in April 2025. A summary of the Site-wide groundwater monitoring program is provided in **Table 1**. Monitoring well construction details are provided in **Table 2**.

3.1.1 Hydraulic Monitoring

Water level measurements were collected from all accessible monitoring wells included in the Site-wide groundwater monitoring program during the October 2023 monitoring event. Some monitoring wells were not gauged during 2023 as they could not be located or were not accessible. The static groundwater elevations measured in October 2023 are summarized in **Table 3**, along with previous groundwater elevations collected in April 2022 for comparative reference.

3.1.2 Groundwater Quality Monitoring

Site-wide groundwater monitoring was conducted by GHD between October 2 and October 12, 2023. A sample key summarizing the groundwater samples collected in October 2023 is provided in **Table 4**.

Prior to groundwater sample collection, the monitoring wells were purged using a bladder pump and low flow purge techniques to remove suspended solids, reduce turbidity, and allow visual observation of sample color. Field parameters including conductivity, dissolved oxygen (DO), oxidation reduction potential (ORP), pH, temperature, and turbidity were recorded. No color consistent with electroplating operations was observed during purging activities. Groundwater samples were collected using a bladder pump and low flow sampling techniques. Groundwater samples, including field duplicate and matrix spike/matrix spike duplicate samples, were submitted to TestAmerica for chemical analysis of target compound list (TCL) VOCs using analytical method 8260B. Well stabilization parameters recorded by GHD are provided in **Table 5**.

3.1.3 Surface Water Sampling

Surface water samples were collected by GHD on October 11, 2023 from the central irrigation pond located southeast of MW-85 on the Meadowbrook Golf Course. Samples were collected near the irrigation water intake (Pond Intake)

and also from a location closest to MW-85 (Pond North). Surface water samples were submitted to TestAmerica for chemical analysis of TCL VOCs using analytical method 8260B.

3.1.4 Sampling Protocol

Monitoring well and surface water samples collected were assigned a unique sample identification (ID) number. Sample ID numbers were recorded with corresponding sample locations.

All monitoring well samples were collected using low-flow bladder pumps and dedicated polyethylene tubing. All non-consumable equipment that contacted groundwater was decontaminated in accordance with the Field Method Guidelines contained in the Site-wide Groundwater Monitoring Plan. Consumable equipment (tubing) and personal protective equipment were appropriately disposed of off-Site.

Investigative derived waste (IDW) generated from purge and decontamination activities was containerized in on-Site drums for subsequent characterization and appropriate off-Site disposal.

3.1.5 Deviations from the Site-wide Groundwater Monitoring Plan

All monitoring wells included in the Site-wide Groundwater Monitoring Plan were sampled.

Monitoring wells MW 75 and MW 76R-17 located on the access road in Tract B North were damaged but were repaired on October 5, 2023. The monitoring well risers, likely damaged from truck traffic and/or snow clearing activities, were repaired and re-surveyed.

4. Potentiometric Surface Mapping

The groundwater elevations measured in October 2023 are summarized in **Table 3**, along with previous groundwater elevations measured in April 2022. Water levels measured during the 2023 monitoring event were generally consistent with the previous years' water levels.

Based on the October 2023 groundwater elevations, GHD developed potentiometric groundwater contours for Unit 3S, Unit 3D, and the bedrock units as shown on **Figures 5 to 7**, respectively.

The groundwater contours representative of the October 2023 Unit 3S data are provided on **Figure 5**. The October 2023 potentiometric groundwater elevation contour map indicates that there is a general northeasterly gradient beneath the central and northern portions of the former Main Plant building. Beneath the southern portion of the former Main Plant, groundwater flow is variable. Data from the April monitoring event again indicates the presence of a groundwater mound, or ridge in Unit 3S that extends in a north-south arc from the MW 46 area on the south to about MW 59 on the north. As discussed in previous annual reports, this groundwater elevation, sometimes extending to MW 29 on the north, appeared to separate the AOC-1 South Court and WWTP Area plumes historically. The AOC-1 South Court plume extends beneath the former Main Plant building and affects several monitoring wells including, from south to north, MW 79, MW 60, MW 51, and MW 76R-17. In contrast, historically the Unit 3S monitoring wells along the arc including MW 46, MW 84, MW 59, and MW 29 have not shown any significant VOC contamination.

The groundwater contours representative of the October 2023 Unit 3D data are provided on **Figure 6**. The October 2023 potentiometric groundwater elevation contour map indicates that there is a general easterly gradient across the west portion of the Site and a predominantly western gradient across the east portion of the Site into the meltwater valley.

The groundwater contours representative of the October 2023 bedrock unit data are provided on **Figure 7**. The October 2023 potentiometric groundwater elevation contour map indicates that there is a general easterly gradient across the west portion of the Site and a predominantly western gradient across the east portion of the Site into the meltwater valley.

5. Analytical Results

The sample key (**Table 4**) summarizes the groundwater and surface water monitoring conducted in 2023. The laboratory certificates of analysis are provided in **Appendix A**. The 2023 VOC laboratory analytical data generated from groundwater and surface water sampling are summarized in **Table 6** and **Table 7**, respectively. Analytical data from all groundwater sampling events between 2018 and 2023 are presented on **Figure 8** (on-Site) and **Figure 9** (off-Site). The VOC parameter list shown on **Figure 8** and **Figure 9** includes any VOC concentrations that have exceeded conservative screening criteria at any well or surface water location during any sampling event.

TCE, cis-1,2-DCE and vinyl chloride remain the primary constituents associated with the AOC 1 – South Court and WWTP Area VOC plumes. Isoconcentration maps for TCE, cis-1,2-DCE and vinyl chloride are presented on **Figures 10** through **12**, respectively.

Data verification and validation reports for the analytical data collected during the 2023 Site-wide Groundwater Monitoring Plan activities were completed by GHD and are provided in **Appendix B**. Based on the verification and validation reports, the 2023 data are acceptable for use with the qualifications noted.

5.1 Risk-Based Screening

A conservative risk-based screening was performed on the groundwater and surface water data collected during the Site-wide groundwater monitoring program in 2023. The data were compared to IDEM's Risk Based Closure Guide Screening Levels (R2) and conservative risk-based screening criteria based on potential exposure scenarios that were evaluated in CRA's Refined Human Health Risk Assessment and Derivation of Site-Specific Risk-based Screening Levels Report (October 2013) (RHHRA).

The groundwater monitoring data collected from areas where current and reasonably expected future land use is commercial/industrial were screened against the following: 1) Site-specific Commercial/Industrial Tap Water Use Criteria. Derivation of the Site-specific screening criteria is presented in RHHRA. Monitoring wells screened against these criteria are shown on **Figure 8**.

Groundwater data collected from areas where current and reasonably expected future land use is not commercial/industrial were screened against the following: 1) IDEM R2 - Residential Tap Water Criteria; 2) Site-specific Recreator (Resident Swimming Pool) Criteria; and 3) Site-specific Commercial/Industrial Tap Water Use Criteria. Sampling points screened against these criteria are shown on **Figure 9**.

5.2 AOC 1 – South Court Plume

The AOC 1 – South Court plume contains elevated concentrations of TCE, cis-1,2-DCE, and vinyl chloride with the greatest TCE concentrations in monitoring wells near the AOC 1 - South Court source area (i.e., MW 3, MW 15, and MW 16).

In 2023, the extent of the AOC 1 – South Court plume remained defined on the east side with non-detect results for all VOC constituents at monitoring wells MW 37, MW 46, and MW 84. Cis-1,2-DCE and TCE were detected at east boundary monitoring well MW 16. At the north perimeter boundary of the AOC 1 – South Court plume, cis-1,2-DCE was detected at monitoring well MW 76R-17. In 2023, MW 49 located south of the AOC 1 – South Court area had a detection of TCE above the screening level. Downgradient of MW49 (east-northeast and east), TCE was not detected in the sample collected from MW 89-11, and the sample only exhibited very low concentrations of other VOCs, which is consistent with historical monitoring events. At the south perimeter of the AOC 1 – South Court plume, Unit 3S monitoring well MW 21 has no detected VOC concentrations.

Historical and recent trends for the AOC-1 – South Court plume are discussed in Section 6.

5.3 Former WWTP Area Plume

Monitoring wells in the former WWTP Area plume area contain elevated concentrations of primarily cis-1,2-DCE and vinyl chloride.

Historically increasing trends in cis-1,2-DCE and vinyl chloride concentrations have been identified in monitoring wells in the former WWTP Area plume. However, an increasing trend in TCE concentrations has historically been observed downgradient of the perceived source area, at monitoring wells MW-4 and MW 40. Cis-1,2-DCE concentrations are increasing at perimeter monitoring wells MW 28, MW 66, and MW 85, and bedrock monitoring well MW 81. Vinyl chloride concentrations are increasing at monitoring well MW 41, located northeast of the source area, at perimeter monitoring wells MW 28, MW 58, MW 61, MW 64, MW 66, and MW 88, and at bedrock monitoring wells MW 81 and MW 83.

In 2023, perimeter monitoring wells MW-2, MW 56, and MW 97R-16 did not have any detected VOC concentrations, therefore, defining the southern extent of the WWTP plume.

Along the northern extent of the WWTP plume, monitoring well MW 88 had a detection of vinyl chloride above the Site-specific Commercial/Industrial Tap Water Use Criteria. Other north perimeter monitoring wells, MW 61 and MW 86, had no detected or very low detected concentrations of VOCs.

5.4 Extent of Groundwater Contamination

Figure 10 to Figure 12 show the isoconcentrations of the principal VOC constituents TCE, cis-1,2-DCE and vinyl chloride, respectively, in groundwater for hydrogeologic Unit 3. These isoconcentration maps are based on 2023 data and update those contained in the 2022 Groundwater Monitoring Report (GHD, August 2, 2022). The 2023 data for each well are shown on the maps with non-detect results presented as half of the reporting limit.

Since the Unit 3S confining unit is absent in the area of former Plant 9 and portions of the Meadowbrook Golf Course, and Unit 3 is relatively thin in these areas, the VOC data from wells in these areas may be shown on the Unit 3S isoconcentration maps. Combining data in this manner provides a useful portrayal of the former WWTP Area plume from its apparent source in the upper part of Unit 3 near MW 68 to its tail area occurrences at former Plant 9 and Meadowbrook Golf Course.

The isoconcentration maps continue to suggest that there are two separate VOC plumes. One plume is associated with AOC 1 – South Court and the second plume is derived from an apparent source area near MW 68. Historically, the plumes have been separated by a series of Unit 3S wells where VOCs have not been detected or have been detected only at very low levels (MW 29, MW 37, MW 46, MW 59, and MW 84). A groundwater ridge in Unit 3S has historically occurred along this line of wells, and this mound appears to have served as a hydraulic barrier separating the two plume areas. In 2023, cis-1,2-DCE and TCE were detected at the east boundary monitoring well MW 16. VOC detections at MW 16 (between MW 46 and MW 84) and alterations in the predominance and extent of this ridge suggests that changes to the historical hydraulic barrier may be occurring.

The AOC 1 – South Court plume in Unit 3S extends in a northeast direction from AOC 1 – South Court. The eastern extent of the plume appears to be limited by the groundwater mound noted in the preceding paragraph. The plume is bounded to the north by MW 76/MW76R-17 with only a marginal detection of cis-1,2-DCE.

In 2015, GHD completed a plume stability analysis (GHD, August 12, 2015) that indicated that the AOC 1- South Court plume has changed little in planar plume area, average concentration, and plume mass, despite the presence of degradation products, which is consistent with recent groundwater monitoring.

The former WWTP Area plume extends eastward from the apparent source area near MW 68 towards former Plant 9 and has migrated to the east to the vicinity of MW 64 and MW 66, to the northeast in the vicinity of MW 88, and to the southeast to Meadowbrook Golf Course irrigation pond in the vicinity of MW 57, MW 58, and MW 85. This VOC plume is composed primarily of cis-1,2-DCE and the highest reported concentrations occur in a series of monitoring wells from the source area (MW 68) southeast to the Meadowbrook Golf Course irrigation pond (MW 40, MW-4, and MW 85).

Prior to July 2006, MW 68, located just west of MLK Boulevard generally had the highest cis-1,2-DCE concentration in this plume and is inferred to be closest to the VOC source area. From December 2006 until April 2009 the highest cis-1,2-DCE concentration was generally found downgradient at MW 40. From December 2009 until October 2022, the highest cis-1,2-DCE concentration had generally been found at MW-4 or MW 85, downgradient of MW 40. In 2023, the highest cis-1,2-DCE concentration was detected at MW 85, downgradient of MW-4, as indicated on the current isoconcentration map. This pattern is consistent with the findings in the plume stability analysis completed as part of the Supplemental Analysis in Support of the Corrective Measures Proposal (CMP) (GHD, August 12, 2015). The plume stability analysis concluded that TCE equivalent is decreasing in concentration and mass, while increasing in plume area advancing downgradient along the predominant flow direction.

Vinyl chloride and TCE are subordinate components of the former WWTP Area plume. TCE is a relatively minor component even in the source area of this plume. The highest reported concentration for vinyl chloride occurred downgradient of the source area, at MW 57. The east edge of the former WWTP Area plume is marked by persistent occurrences of vinyl chloride in Unit 3D wells MW 58, MW 64, and MW 66. However, a westerly groundwater flow direction east of these wells prevents further vinyl chloride migration to the east. Along the northern extent of the WWTP plume, monitoring well MW 88 had a detection of vinyl chloride above the Site-specific Commercial/Industrial Tap Water Use Criteria in 2023.

The WWTP Area plume extends vertically to bedrock monitoring wells MW 81 and MW 83. Between September and December 2018, GHD completed a bedrock groundwater investigation to delineate vertical and horizontal bedrock groundwater impacts. The results of the investigation indicate that shallow bedrock VOC impacts at MW 81 have not migrated deeper in the bedrock unit. The results also indicate that shallow bedrock VOC impacts have been delineated to the east at MW 99-18 and that there appears to be a western gradient across the east portion of the Site that would not allow for shallow bedrock groundwater impacts to migrate off-Site towards Madison Avenue.

5.5 Surface Water

Cis-1,2-DCE, trans-1,2-dichloroethene (trans-1,2-DCE), 1,1-dichloroethane (1,1-DCA), and vinyl chloride were detected at surface water monitoring locations Pond North and Pond Intake during the October 2023 surface water sampling event. The detected concentrations of vinyl chloride at the Pond North and Pond Intake sampling locations exceed the relevant screening criteria (i.e., recreator). No other parameters were detected above relevant screening criteria at surface water monitors Pond North or Pond Intake. Historically increasing trends in cis-1,2-DCE and vinyl chloride concentrations have been identified for the Pond North and Pond Intake locations.

6. Statistical Analysis

The required statistical data evaluation is presented in Section 4 of the Site-Wide Groundwater Monitoring Plan (Monitoring Plan, GHD, 2022) and includes the following required elements:

- The statistical evaluation is to be conducted to determine whether the contaminant plumes are stable (i.e., not increasing over time).
- The principal VOC compounds to be considered in the evaluation are TCE, cis-1,2-DCE and vinyl chloride.
- The evaluation of stability is to be carried out using the Mann-Kendall trend test following IDEM Risk Integrated System of Closure guidance (IDEM, February 15, 2001). Notably:
 - A minimum of 4 samples is required to perform the trend test.
 - A minimum detection frequency of 75 percent is required to perform the trend test.
 - Non-detects should be assigned a value below the lowest detected value in the data set.
 - Any field duplicate results should be averaged prior to carrying out statistical testing.
- Trend testing is to be carried out using a significance level of (α) 0.10 (i.e., 90 percent confidence).

- A one-tailed trend test is to be performed (i.e., testing for increases only), using the following statistical hypotheses:
 - Null (no effect) hypothesis (H_0) = there is no trend or a decreasing trend in chemical concentrations over time.
 - Alternative hypothesis (H_A) = there is an increasing trend over time in chemical concentrations.

The following subsections describe the specific approaches used in carrying out the statistical data evaluation. The data considered in the trend tests are presented in concentration vs. time graphs and tabular format in **Appendix C**.

In a letter dated October 2022, IDEM raised three concerns regarding the statistical evaluation. More frequently sampled data observed during the earlier period were removed from calculations, resulting in yearly data throughout the entire monitoring period. Currently sampling frequency is every 18 months, future adjustments will be carried out when sufficient data are available. During the current evaluation, the recent period was changed to 10 results. This will result in more power to the trend test, while confidence remains the same, at 95 percent. Regarding not reporting decreasing trends, the trend tests are calculated one-sided (only increases are reported) following the approved Groundwater Monitoring Plan (GHD, 2022).

6.1 Mann-Kendall Test

Methods for statistical trend testing of groundwater quality data are discussed in Section 4.3 of U.S. EPA (2006), Chapter 12 of Helsel & Hirsch (USGS, 2020) and other relevant guidance and reference texts. The evaluation of trends in environmental data is often complicated by factors such as seasonality in data, outlying (grossly atypical) data points, the presence of censored (non-detect) data, small data sets (due to the relatively high costs associated with sample collection and analysis, particularly for trace concentration analyses) and non-linearity in any patterns present through time. Different tests exist, which balance the statistical power of detecting trends against susceptibility to outliers, deviations from model assumptions (e.g., linearity) and the ability to incorporate non-detect data into the analyses.

The Mann-Kendall trend test is suitable for general application across a variety of environmental data applications. This test is non-parametric (rank-based) and, therefore, robust with respect to outlying observations. The Mann-Kendall test neither assumes a particular data distribution (e.g., normal) nor data pattern tested (e.g., linear trend), but rather tests for a monotonic (single-direction) trend in the data over time. Although the test is not as powerful as parametric tests are under optimal conditions, its wide range of applicability makes it a good candidate for use when testing numerous data sets where the effort required for detailed characterization and selection of specific trend tests on a case-by-case basis is not appropriate.

As specified in the Groundwater Monitoring Plan, the Mann-Kendall trend test was used to evaluate the principal VOC monitoring data for the presence of temporal trends. Computational details for the test may be found in Section 4.3.4.1 of U.S. EPA (2006). The test was applied for data sets containing up to 25 percent non-detects using a one-tailed formulation and a significance level of 0.1, as described above.

Trend tests were carried out separately for each principal VOC at each monitoring well with sufficient temporal data to perform the Mann-Kendall test.

One assumption of the Mann Kendall trend test is that subsequent samples are reasonably equally spaced through time. The new monitoring plan specifies a new sampling frequency of every 18 months for all wells and the two surface water locations. Due to this change, more frequently data sampled during the earlier period were removed and trend tests were performed using yearly data. In addition, well MW 15 had a large temporal gap in the monitoring record, therefore, additional testing was performed using group comparison tests (another method presented in Chapter 12 of USGS, 2020) to evaluate whether the presence of this gap could be obscuring the detection of significant trends. A parametric Student's *t*-test was carried out comparing recent (2013 – 2023) to historic (2005 – 2008) data.

It was noted in some cases that non-detects were present at somewhat-elevated detection limits above the majority of the detected values. In such cases, the comparison of non-detect and detected values is ambiguous (i.e., it cannot be assigned with certainty that the non-detect results are above or below the detected values). In these cases, trend testing was performed excluding the non-detect results, as noted in the table of results in **Table 8**. Current statistical guidance (e.g., U.S. EPA, 2013) would recommend that any detected values lower than the maximum detection limit for a non-detect be "censored" to that detection limit (i.e., all lower values be considered as non-detects). However, doing so would have reduced the detection frequency to much less than the 75 percent required in the Groundwater Monitoring Plan, and therefore carrying out the trend tests using detected values only permits an appropriate assessment with minimal information loss (i.e., removing a few ambiguous non-detects vs. censoring the majority of the data). In other cases, detection frequencies were close to 75 percent, and non-detects were observed in an earlier period. In order to provide a test result, non-detects were excluded from the evaluation, as noted in the table of results in **Table 8**. These cases are listed below:

- TCE at MW-4, MW 12, MW 31R, MW 40, and MW 49
- cis-1,2-DCE at MW 16, MW 28, MW 64, MW 81, Pond Intake, and Pond North
- Vinyl chloride at MW 3, MW 51, MW57, MW61, MW 65, MW66, MW 83, MW 88, and Pond Intake

According to the Groundwater Monitoring Plan (GHD, 2022), trend tests were carried out considering two time periods:

- Overall period (including all data collected to date)
- Recent period (including the last 10 results)

6.2 Outlier Testing

Prior to carrying out trend tests, each data set was screened for the presence of statistical outliers. An outlier is an observation that differs substantially (atypically) from the rest of the population.

Outliers may be identified by graphical or statistical methods. U.S. EPA (2006, 2009) recommends The Extreme Value Test (Dixon's Test) for testing for outliers in data sets containing up to 25 points (the upper limit of this procedure), or Rosner's Test for data sets containing more than 25 points. Both outlier tests consider both extreme low values and extreme high values. An important element of assessing outliers is identifying the underlying data distribution of a particular data set prior to performing the test. The data may follow a normal (Gaussian) distribution, in which case the original (untransformed) data are subjected to the outlier test. However, if a data set follows another statistical distribution, (i.e., gamma or lognormal) the data must be transformed prior to using Dixon's or Rosner's tests. In testing data distributions for the principal VOC data sets considered, the Shapiro Wilk W Test (U.S. EPA, 2006, 2009) was applied using original, cube root-transformed [approximating the gamma distribution (USGS, 2002)], and log transformed data sets.

Consistent with the requirements of the Groundwater Monitoring Plan for trend testing, outlier tests were performed only for datasets having 75 percent or more detected values. In addition, due to limited number of samples, outlier tests were not performed for the recent period. Outlier testing was performed using a significance level (α) of 0.05 (i.e., 95 percent confidence).

The results of the data distribution and outlier tests are presented in Appendix C Table C.1. Statistical outliers were identified for cis 1,2 DCE at MW 8, MW 14, and MW 51; and for vinyl chloride at MW 8, MW 14 and Pond North, as indicated in the Table C.1.

Where statistically significant outliers were identified, trend testing was carried out twice; first considering all data and second using outlier excluded data sets. In most cases, the results of the trend tests (i.e., increasing or no trend identified) were consistent both with and without the outliers. The exception was for cis-1,2-DCE at well MW 51, where the 3 out of the last 4 results were outliers. However, this well has not been sampled since April 2019. Therefore, the presence of statistical outliers in the principal VOC data sets has not impaired the ability of the present statistical evaluation to identify significant temporal trends, where present in the monitoring data.

6.3 Results

The results from the Mann-Kendall trend test considering the overall period are shown in **Table 8**. The data used in the trend tests are shown in Table C.1 and a summary of descriptive statistics are shown in Table C.2 of **Appendix C**, along with the data distribution and outlier testing results. Trend Plots are shown in **Appendix C**.

Of 126 data sets originally considered (three primary VOCs at each of 40 monitoring wells and 2 surface water locations) and evaluated, 67 did not require trend analysis due to high frequencies of non-detects (i.e., less than 75 percent detects). The remaining 59 data sets were subjected to the Mann-Kendall trend test. Of these, 36 had no statistically significant trend (i.e., groundwater VOC concentrations are stable or decreasing over time), and 23 datasets had significant increasing trends (at a 90 percent confidence level).

Comparing the results to those from the previous (2022) evaluation, 14 changes were observed in the results during the current monitoring period (2023):

- cis-1,2-DCE at MW 16 (was less than 75 percent detects over time and is currently stable or decreasing)
- TCE at MW 40 (was increasing over time and is currently stable or decreasing)
- Vinyl chloride at MW 41 (was increasing over time and is currently stable or decreasing)
- TCE at MW 49 (was less than 75 percent detects over time and is currently increasing)
- Vinyl chloride at MW 51 (was increasing over time and is currently stable or decreasing)
- Vinyl chloride at MW 57 (was less than 75 percent detects over time and is currently increasing, considering detects only)
- Vinyl chloride at MW 61 (was less than 75 percent detects over time and is currently increasing, considering detects only)
- cis-1,2-DCE at MW 64 (was less than 75 percent detects over time and is currently increasing, considering detects only)
- Vinyl chloride at MW 79 (was increasing over time and is currently stable or decreasing)
- Vinyl chloride at MW 80 (was stable or decreasing over time and is currently increasing)
- cis-1,2-DCE at MW 81 (was stable or decreasing over time and is currently increasing)
- Vinyl chloride at Pond Intake (was increasing over time and is currently stable or decreasing)
- cis-1,2-DCE at Pond North (was increasing over time and is currently stable or decreasing)

Considering that data sets were processed due to changes in sampling frequency, a number of changes are to be expected. Of the 126 data sets, only 14 had changed.

The results from the Mann-Kendall trend test considering the recent period are shown in **Table 9**. The data used in the recent trend tests are shown in Table C.3 and a summary of descriptive statistics are shown in Table C.4 of **Appendix C**.

Data from the recent period indicate that the majority of TCE, cis-1,2-DCE, and vinyl chloride concentrations have no statistically significant trends and therefore have been stable (112 of the 126 data sets tested). Only 14 cases of increasing trends were identified.

Of the 23 increasing trends observed during the entire monitoring period, one case had fewer than 75 percent detects, and 12 cases were observed to be stable (no statistically significant trend) during the recent period. Ten increasing trends persisted during the recent period (cis-1,2-DCE at MW 28, MW 31R, MW 51, MW 64, and Pond Intake, and vinyl chloride at MW 57, MW 61, MW 80, MW 83, and MW 88). In four cases, new increasing trends were observed in the past 10 years (vinyl chloride at MW 31R, MW 51, MW 68, and MW 79).

A summary of increasing trends comparisons observed during the entire monitoring period vs. the recent period is shown in below:

Analyte	Location	Entire Monitoring Period (2005-2023) Trend Result	Recent Monitoring Period (Last 10 Samples)* Trend Result
Trichloroethene	MW-4	Increasing	NT or Decreasing
Trichloroethene	MW 49	Increasing	Over 25% ND
cis-1,2-DCE	MW 28	Increasing	Increasing
cis-1,2-DCE	MW 31R	Increasing	Increasing
cis-1,2-DCE	MW 49	Increasing	NT or Decreasing
cis-1,2-DCE	MW 51	Increasing	Increasing
cis-1,2-DCE	MW 64	Increasing	Increasing
cis-1,2-DCE	MW 66	Increasing	NT or Decreasing
cis-1,2-DCE	MW 79	Increasing	NT or Decreasing
cis-1,2-DCE	MW 81	Increasing	NT or Decreasing
cis-1,2-DCE	MW 85	Increasing	NT or Decreasing
cis-1,2-DCE	Pond Intake	Increasing	Increasing
Vinyl chloride	MW 28	Increasing	NT or Decreasing
Vinyl chloride	MW 31R	NT or decreasing	Increasing
Vinyl chloride	MW 51	NT or decreasing	Increasing
Vinyl chloride	MW 57	Increasing	Increasing
Vinyl chloride	MW 58	Increasing	NT or Decreasing
Vinyl chloride	MW 61	Increasing	Increasing
Vinyl chloride	MW 64	Increasing	NT or Decreasing
Vinyl chloride	MW 66	Increasing	NT or Decreasing
Vinyl chloride	MW 68	NT or Decreasing	Increasing
Vinyl chloride	MW 79	NT or Decreasing	Increasing
Vinyl chloride	MW 80	Increasing	Increasing
Vinyl chloride	MW 81	Increasing	NT or Decreasing
Vinyl chloride	MW 83	Increasing	Increasing
Vinyl chloride	MW 88	Increasing	Increasing
Vinyl chloride	Pond North	Increasing	NT or Decreasing

A visual inspection of the trend plots shows a few recent high VOC concentrations that were not identified by the trend tests due to low detection frequency (below 75 percent) during the earlier period. Recent detected values were identified for TCE and cis-1,2-DCE at MW 16. A gradual increase in VOC concentrations were observed for cis-1,2-DCE at MW 58, MW 64, MW 80, and Pond Intake. And vinyl chloride at MW 57, MW 83, and MW 88. Future monitoring events will be determined if these patterns persist.

Group comparison tests were carried out at well MW 15. Data distributions were assessed prior to the test and found that TCE and cis-1,2-DCE recent and historical concentrations were normally distributed, therefore the Student's *t*-test was used. Both historic and recent vinyl chloride data sets were found to be log-normally distributed, therefore the *t*-test was performed using log-transformed data. The results of the group comparison tests confirm the Mann-Kendall trend test results (NT or Decreasing). Group comparison tests were not carried out at well MW 21 due to elevated percentage of non-detects.

7. Conclusions

Based on the 2023 Annual Groundwater Monitoring activities, including all field and laboratory analytical data generated therefrom, the following conclusions have been developed.

1. The October 2023 Unit 3S potentiometric mapping is consistent with previous mapping. The elevation contour map indicates that there is a general northeasterly gradient in Unit 3S beneath the central and north portions of the former Main Plant building. Beneath the southern portion of the former Main Plant, groundwater flow is variable.
2. The October 2023 Unit 3D potentiometric mapping is consistent with previous mapping. The elevation contour map indicates that there is a general easterly gradient across the west portion of the Site and a general westerly gradient across the east portion of the Site into the meltwater valley.
3. The October 2023 bedrock potentiometric mapping is consistent with previous mapping and indicates that there is a general easterly gradient across the west portion of the Site and a predominantly western gradient across the east portion of the Site into the meltwater valley.
4. In 2023, the extent of the AOC 1 – South Court plume remained defined on the east side with non-detect results for all VOC constituents at monitoring wells MW 37, MW 46, and MW 84. Cis-1,2-DCE and TCE were detected at east boundary monitoring well MW 16. At the north perimeter boundary of the AOC 1 – South Court plume, cis-1,2-DCE was detected at monitoring well MW 76R-17. In 2023, MW 49 located south of the AOC 1 – South Court area had a detection of TCE above the screening level. Downgradient of MW49 (east-northeast and east), TCE was not detected in the sample collected from MW 89-11, and the sample only exhibited very low concentrations of other VOCs, which is consistent with historical monitoring events. At the south perimeter of the AOC 1 – South Court plume, Unit 3S monitoring well MW 21 has no detected VOC concentrations.
5. In 2023, perimeter monitoring wells MW-2, MW 56, and MW 97R-16 did not have any detected VOC concentrations, therefore, defining the southern extent of the WWTP plume. Along the northern extent of the WWTP plume, monitoring well MW 88 had a detection of vinyl chloride above the Site specific Commercial/Industrial Tap Water Use Criteria. Other north perimeter monitoring wells, MW 61 and MW 86, had no detected or very low detected concentrations of VOCs.
6. Of 126 data sets originally considered (three primary VOCs at each of 40 monitoring wells and 2 surface water locations) and evaluated, 67 had less than 75 percent detects, therefore were not evaluated. Of the remaining 59 data sets tested for trends, 36 were stable or decreasing over time and 23 had significant increasing trends. Comparing these results to those from the 2022 evaluation, the observed trends for TCE, cis-1,2-DCE and vinyl chloride concentrations in 2023 were somewhat consistent with the assessment conducted in 2022, considering the data processing carried out this year, there were only 27 differences.
7. Of the 23 increasing trends observed during the entire monitoring period, one case had fewer than 75 percent detects, and 12 cases were observed to be stable (no statistically significant trend) during the recent period. Ten increasing trends persisted during the recent period (cis 1,2-DCE at MW 28, MW 31R, MW 51, MW 64, and Pond Intake, and vinyl chloride at MW 57, MW 61, MW 80, MW 83, and MW 88). In four cases, new increasing trends were observed in the past 10 years (vinyl chloride at MW 31R, MW 51, MW 68, and MW 79).
8. One surface water sampling event was conducted in May 2023 at the Meadowbrook Golf Course central irrigation pond. 1,1-DCA, cis and trans-1,2-DCE, and vinyl chloride were detected at surface monitoring locations Pond Intake and Pond North.
9. Based on monitoring at adjacent monitoring well MW 85, the golf course irrigation pond appears to be within the former WWTP Area plume.
10. Based on the 2023 groundwater results from residential well MW 89-11, there is no current unacceptable risk to nearby residents due to groundwater volatilization to indoor air.

8. Recommendations

The following recommendation is provided with respect to ongoing monitoring:

1. It is recommended that a monitoring well condition survey be completed in the spring of 2024. Based on the survey, monitoring wells will be repaired or decommissioned, as required. IDEM approval will be required prior to the decommissioning of any monitoring wells.

9. References

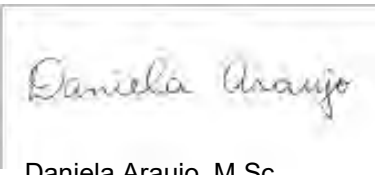
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All of Which is Respectfully Submitted,
GHD

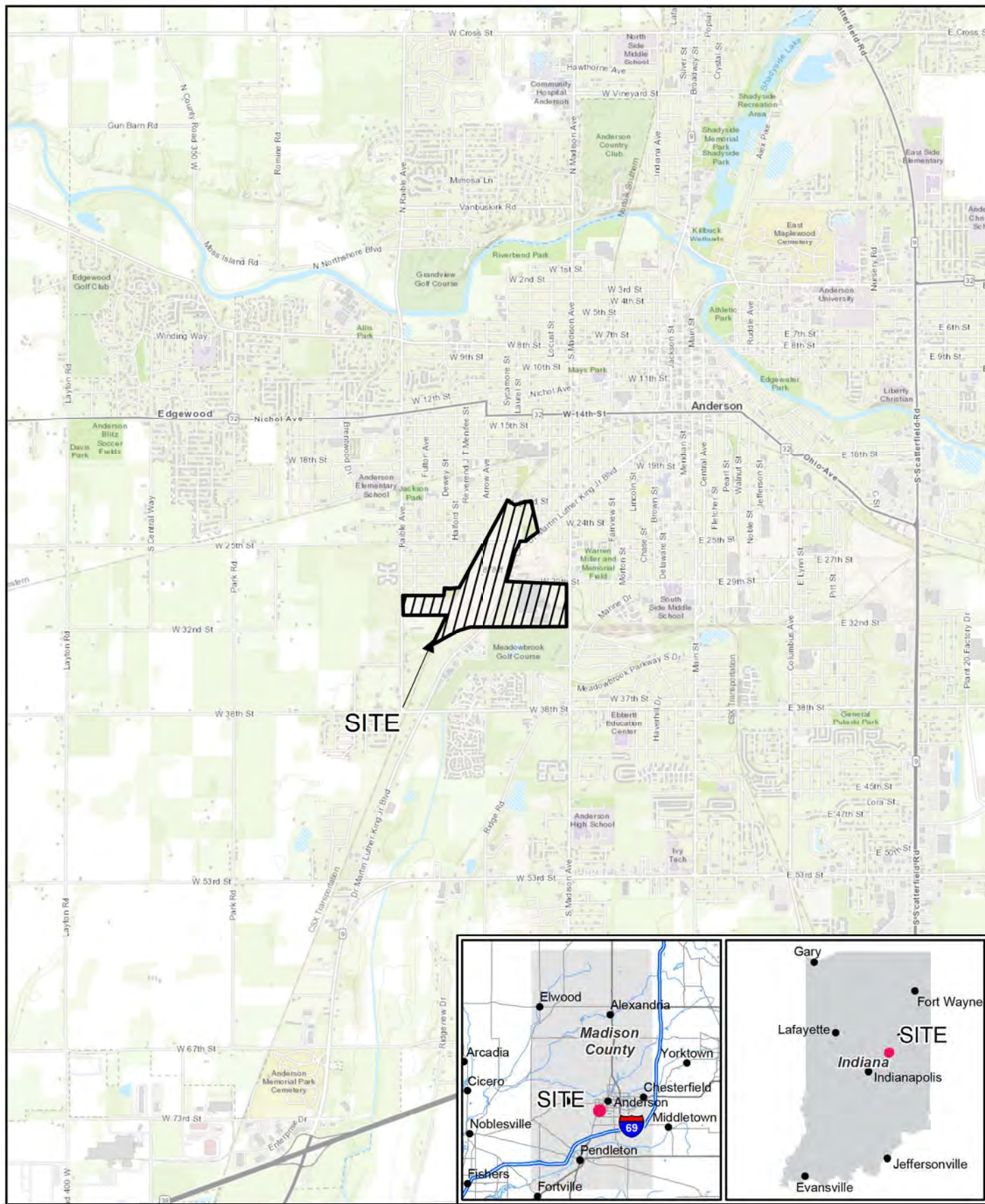


Robert Catallo, B.Sc.



Daniela Araujo, M.Sc.

Figures



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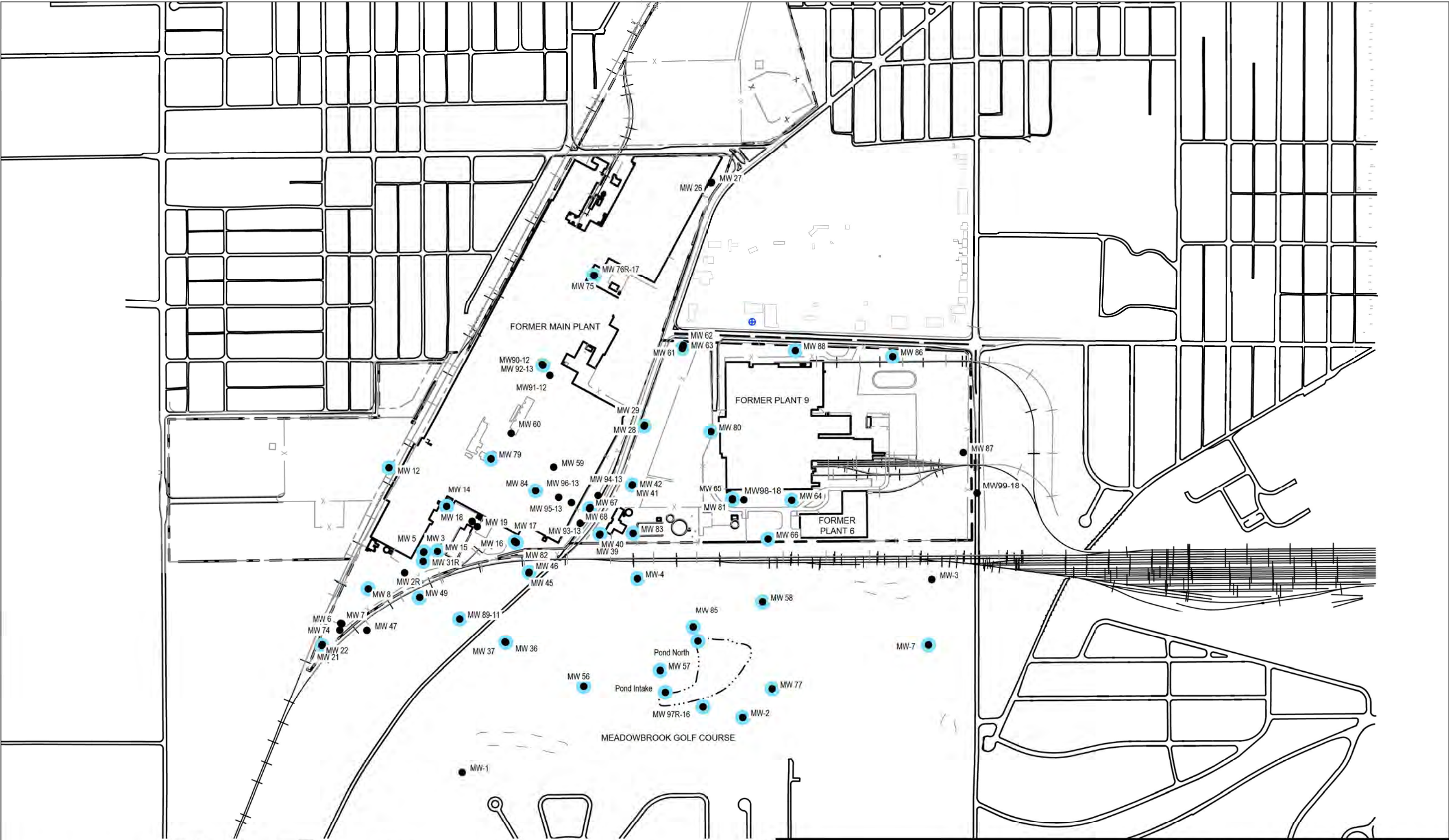
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REVITALIZING AUTO COMMUNITIES
ENVIRONMENTAL RESPONSE TRUST
2915 DR. MARTIN LUTHER KING JR. BLVD.
ANDERSON, INDIANA
2023 GROUNDWATER MONITORING REPORT

Project No. 11209506
Revision No. -
Date December 22, 2023

SITE LOCATION MAP

FIGURE 1

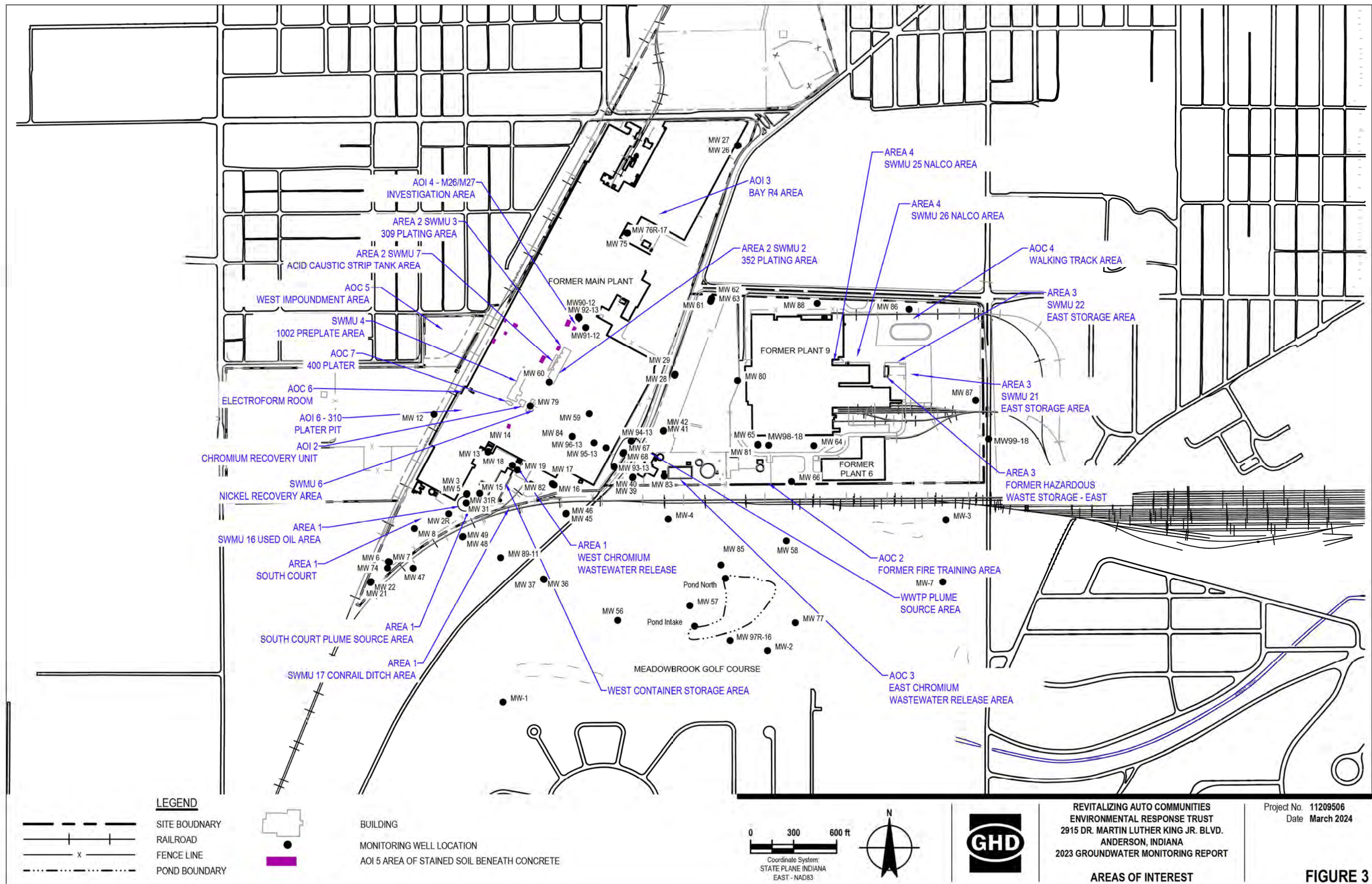


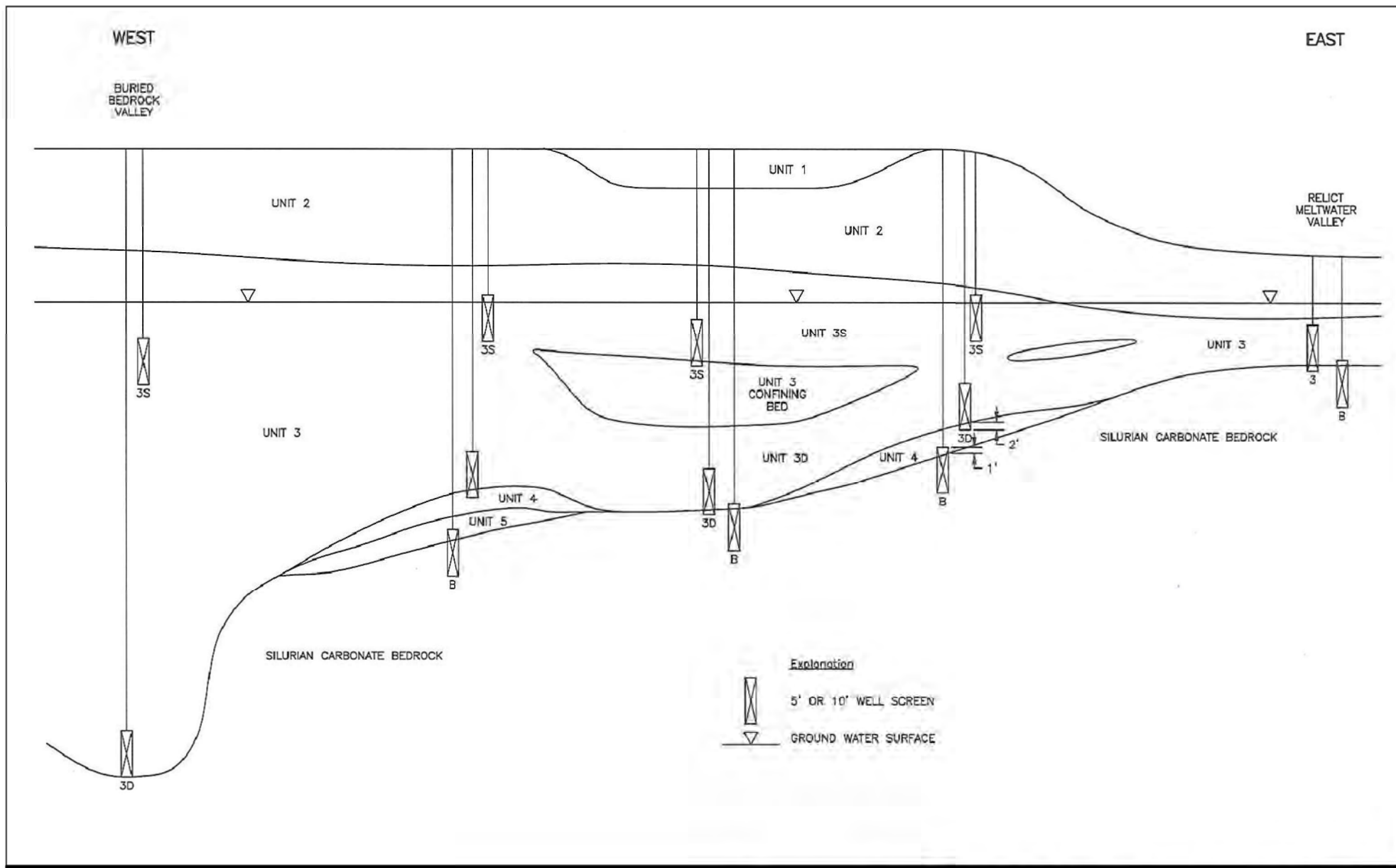
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2915 DR. MARTIN LUTHER KING JR. BLVD.
ANDERSON, INDIANA
2023 GROUNDWATER MONITORING REPORT

Project No. 11209506
Date March 2024

SITE PLAN

FIGURE 2

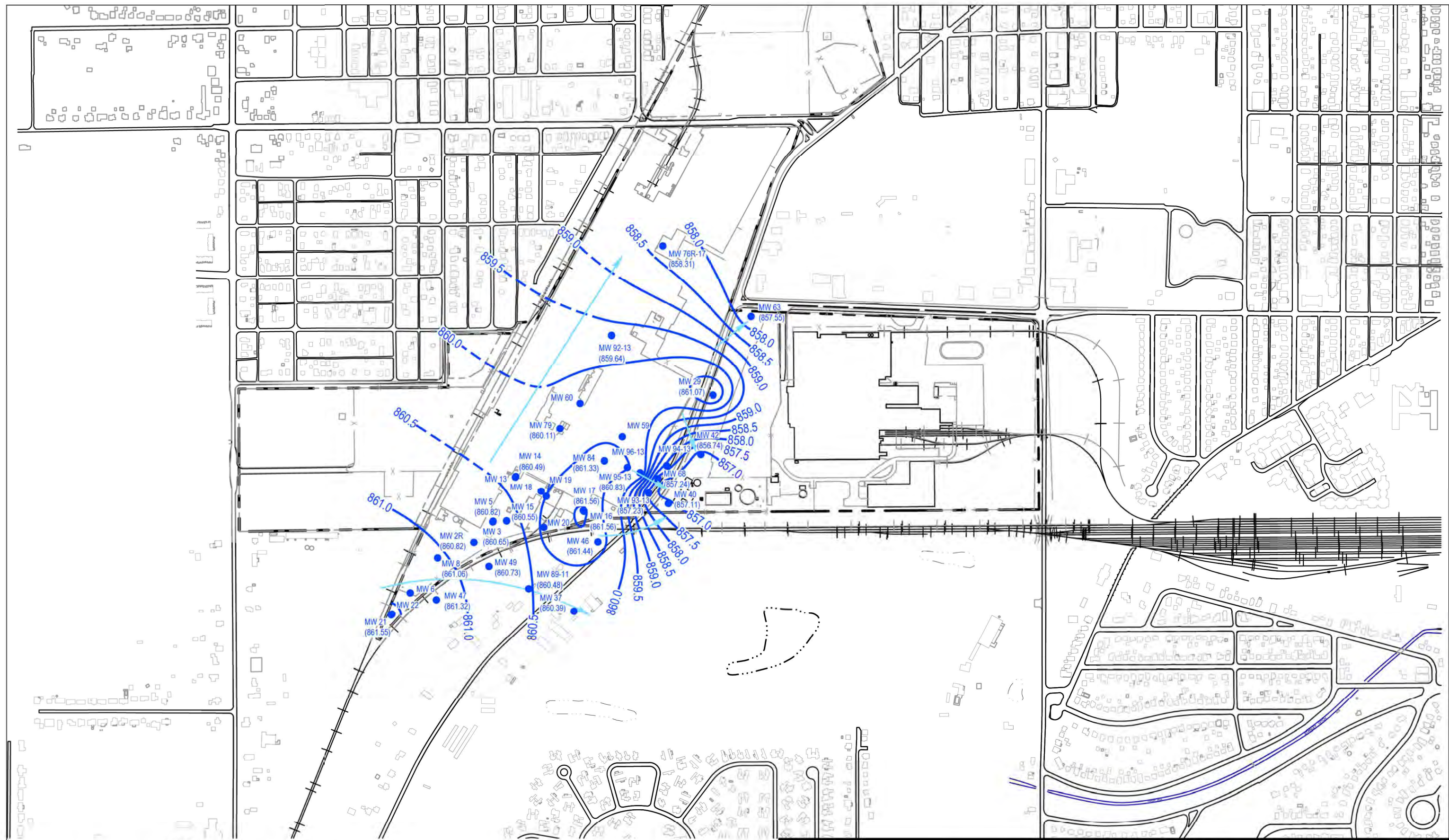




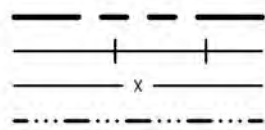
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2915 DR. MARTIN LUTHER KING JR. BLVD.
ANDERSON, INDIANA
2023 GROUNDWATER MONITORING REPORT
GENERALIZED HYDROGEOLOGIC
CROSS SECTION

Project No. 11209506
Date March 2024

FIGURE 4



LEGEND



SITE BOUNDARY
RAILROAD
FENCE LINE
POND BOUNDARY



FORMER BUILDING
BUILDING
MONITORING WELL USED TO DEVELOP CONTOURS

GROUNDWATER ELEVATION (FEET NAVD 88)
GROUNDWATER CONTOUR (FEET NAVD 88)
INFERRED DIRECTION OF GROUNDWATER FLOW

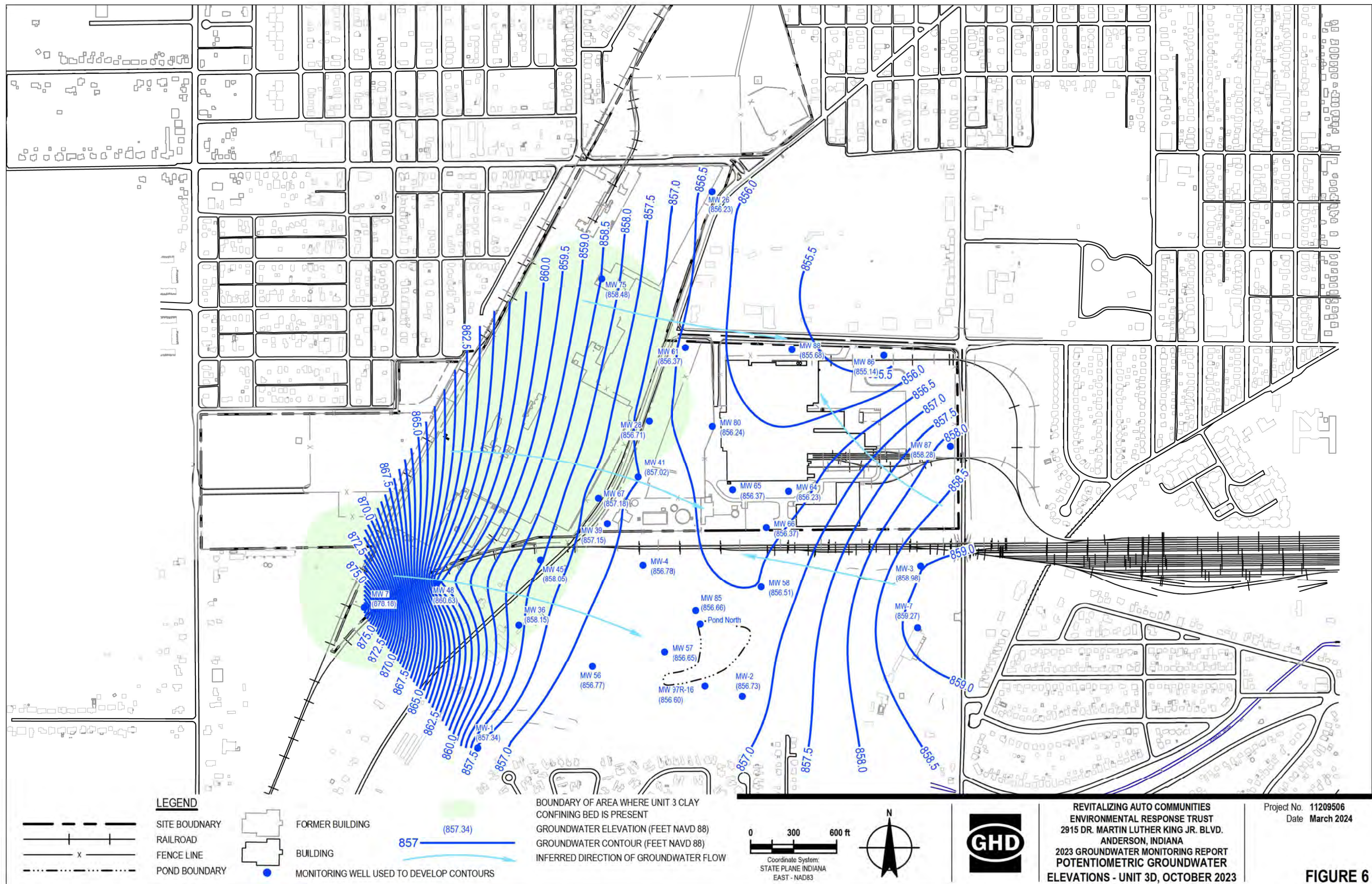
0 300 600 ft
Coordinate System:
STATE PLANE INDIANA
EAST - NAD83

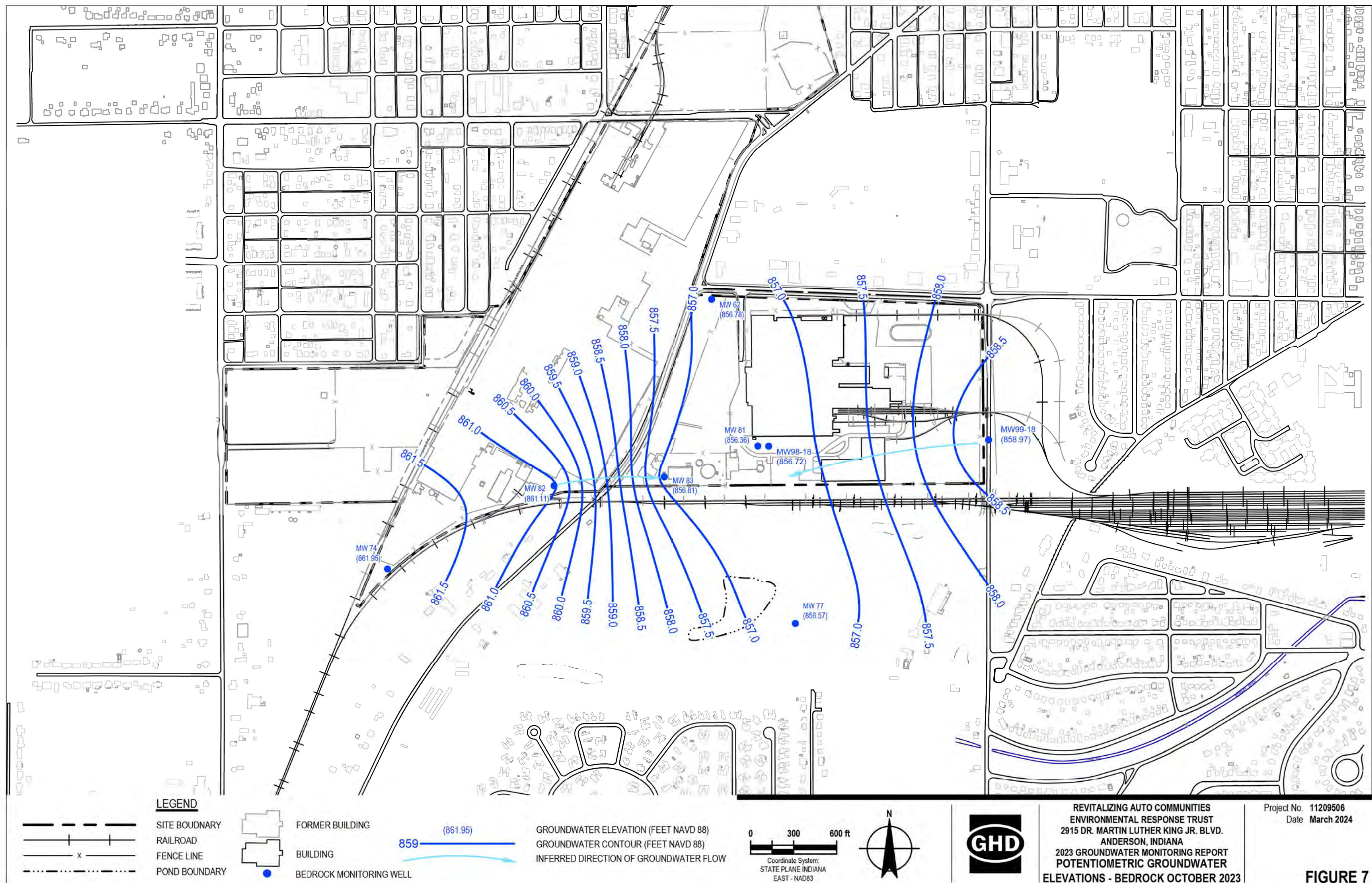


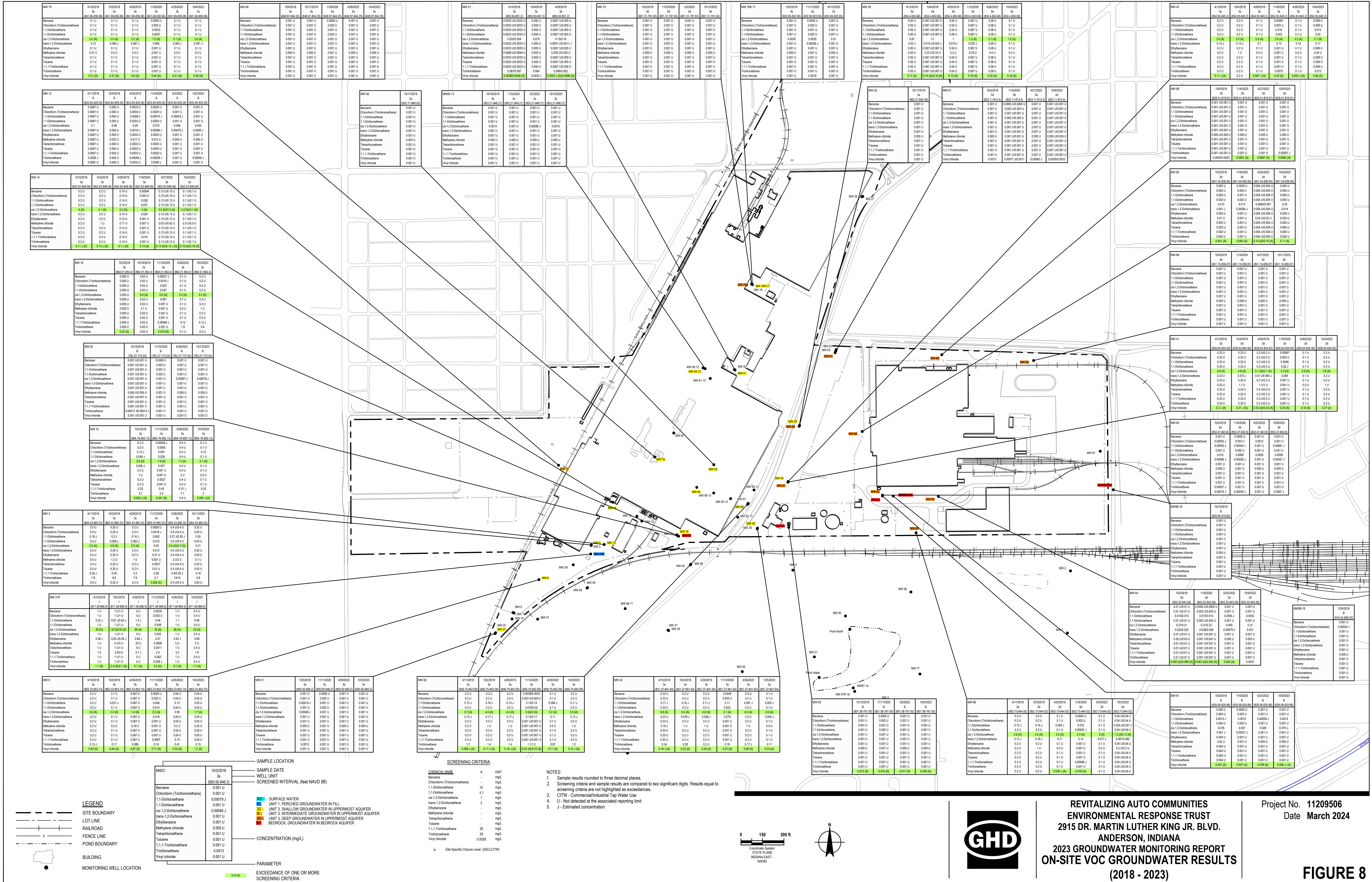
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ENVIRONMENTAL RESPONSE TRUST
2915 DR. MARTIN LUTHER KING JR. BLVD.
ANDERSON, INDIANA
2023 GROUNDWATER MONITORING REPORT
POTENTIOMETRIC GROUNDWATER
ELEVATIONS - UNIT 3S, OCTOBER 2023

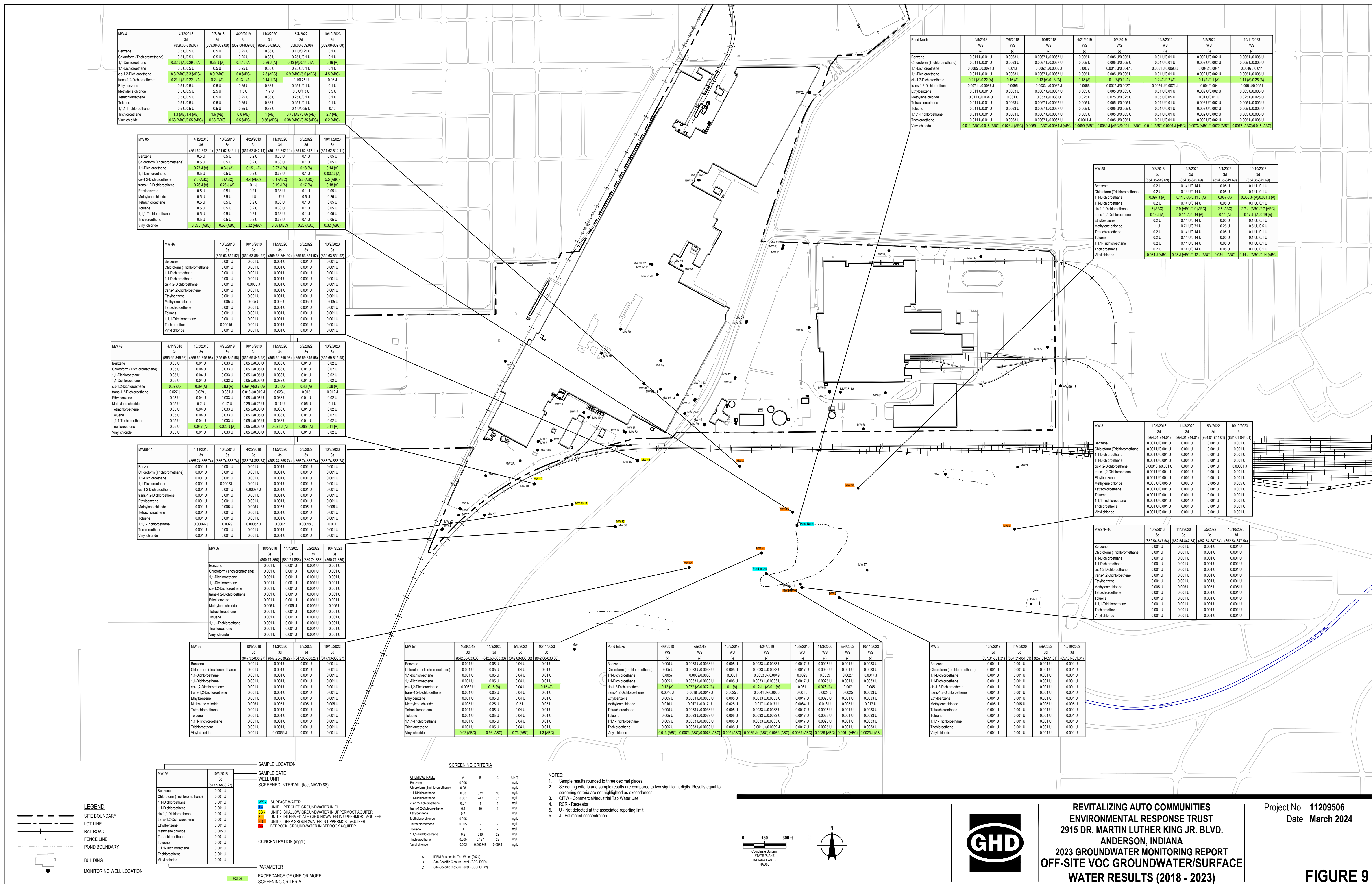
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Date March 2024

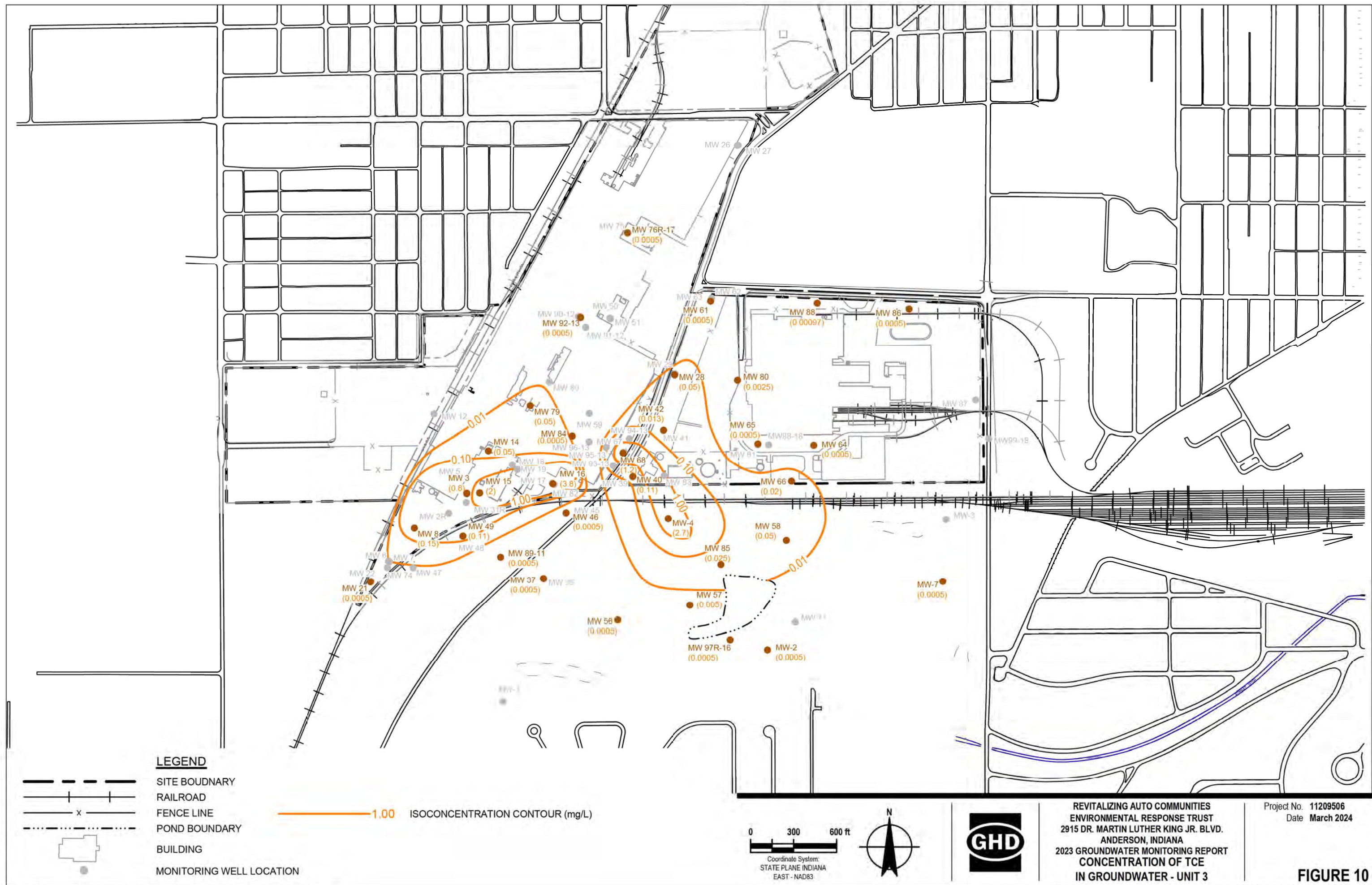
FIGURE 5

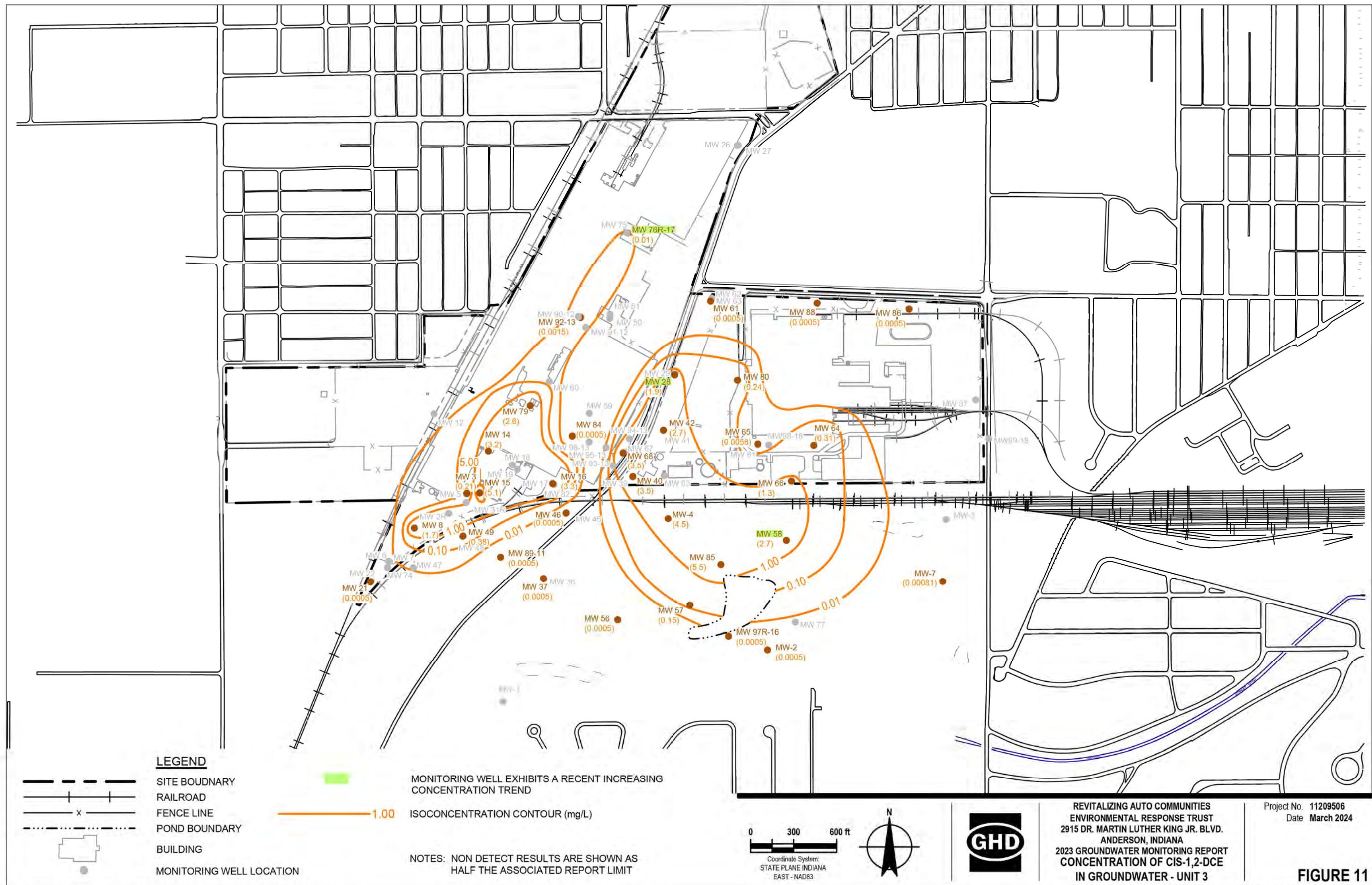












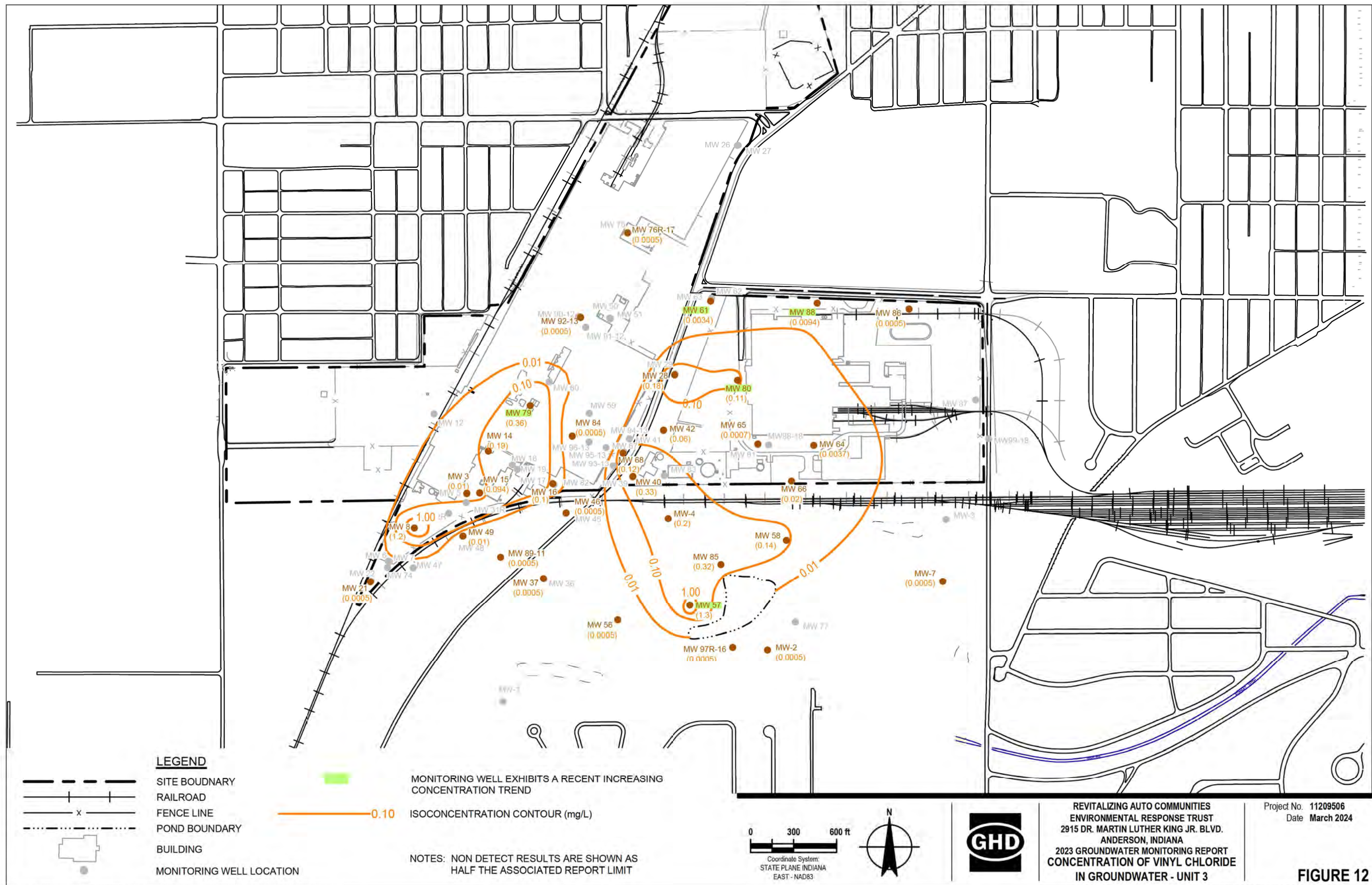


FIGURE 12

Tables

Table 1

**Site-Wide Groundwater Monitoring Program
2023 Groundwater Monitoring Report
2915 Dr. Martin Luther King Jr. Boulevard,
Anderson, Indiana**

Monitoring Well Location	Hydro- Geologic Unit	Year Installed	Plume Position ⁽¹⁾	18-Month Monitoring ⁽²⁾
MW-2	3d	2003	WWTP, Margin	X
MW 3	3s	1992	AOC 1, Source	X
MW-4	3d	2003	WWTP, Tail	X
MW-7	3d	2003	WWTP, Margin	X
MW 8	3s	1993	AOC 1, Source	X
MW 12	3i	1993	AOC 1, Tail	X
MW 14	3s	1993	AOC 1, Tail	X
MW 15	3s	1993	AOC 1, Source	X
MW 16	3s	1993	AOC 1, Tail	X
MW 21	3s	2000	AOC 1, Margin	X
MW 28	3d	2000	WWTP, Tail	X
MW 31R	1	2000	AOC 1, Source	X
MW 37	3s	2001	AOC 1, Margin	X
MW 40	3s	2003	WWTP, Source	X
MW 41	3d	2003	WWTP, Source	X
MW 42	3s	2003	WWTP, Source	X
MW 46	3s	2003	AOC 1, Margin	X
MW 49	3s	2003	AOC 1, Tail	X
MW 56	3d	2004	WWTP, Margin	X
MW 57	3d	2004	WWTP, Tail	X
MW 58	3d	2004	WWTP, Tail	X
MW 61	3d	2004	WWTP, Margin	X
MW 64	3d	2004	WWTP, Tail	X
MW 65	3d	2004	WWTP, Tail	X
MW 66	3d	2004	WWTP, Tail	X
MW 68	3s	2004	WWTP, Source	X
MW 75	3d	2004	AOC 1, Margin	X
MW 76R-17	3s	2017	AOC 1, Margin	X
MW77	B	2004	WWTP, Margin	X
MW 79	3s	2004	AOC 1, Tail	X
MW 80	3d	2005	WWTP, Tail	X
MW 81	B	2005	WWTP, Tail	X
MW 82	B	2005	AOC 1, Margin	X
MW 83	B	2005	WWTP, Tail	X
MW 84	3S	2005	WWTP, Margin	X
MW 85	3d	2007	WWTP, Tail	X
MW 86	3d	2010	WWTP, Margin	X
MW 88	3d	2010	WWTP, Tail	X
MW 89-11	3s	2011	AOC 1, Margin	X
MW 92-13	3s	2013	AOC 1, Tail	X
MW 97R-16	3d	2015	WWTP, Margin	X
Pond (Intake)	Surface Water	N/A	Surface Water	X
Pond (North)	Surface Water	N/A	Surface Water	X

Notes:

(1) AOC 1 = VOC plume originating at AOC 1 - South Court

WWTP = VOC plume originating from former WWTP Area

Source = VOC source area well

(2) TCL VOCs - Target Compound List Volatile Organic Compounds

N/A - Not Applicable

Table 2

Monitoring Well Construction and Surface Water Benchmark Details
2023 Groundwater Monitoring Report
2915 Dr. Martin Luther King Jr. Boulevard,
Anderson, Indiana

Monitoring Well Location	Hydro- Geologic Unit	Northing ⁽¹⁾	Easting ⁽¹⁾	Datum El. ^(2,3)	Revised Datum El. ^(2,3)	Screen Top ⁽²⁾	Screen Bottom ⁽²⁾
MW 1	3s	1761110.3	317311.1	880.86(4)	880.86 ⁽⁴⁾	864.50	860.21
MW 2	3s	1761003.2	317244.7	879.70		864.75	860.47
MW2 R	3s	1760999.3	317243.9	879.68	879.25 ⁽⁴⁾	864.46	860.18
MW 3	3s	1761137.6	317370.2	880.51	880.41 ⁽⁴⁾	864.53	860.25
MW 4	3s	1761089.4	317240.2	880.78		865.97	861.48
MW 5	3s	1761134.5	317368.7	880.54		852.93	843.53
MW 6	3s	1760666.3	316823.5	878.22		864.80	855.18
MW 7	3d	1760663.6	316830.5	878.18		835.40	830.82
MW 8	3s	1760896.0	317004.4	878.41		863.33	853.74
MW 9	3s	1761218.5	316990.4	881.65		866.31	856.70
MW 10	3s	1761128.0	317115.5	880.88		866.30	856.67
MW 11	3s	1761699.0	317145.5	882.68		861.51	851.88
MW 12	3i	1761692.8	317141.2	882.78		833.84	829.26
MW 13	3s	1761430.2	317517.7	881.25		866.13	856.50
MW 14	3s	1761435.2	317520.1	881.36		852.63	848.06
MW 15	3s	1761140.7	317459.5	879.67		864.76	855.13
MW 16	3s	1761203.4	317969.5	878.65	879.83 ⁽⁴⁾	864.01	854.40
MW 17	3s	1761207.9	317966.4	878.30	879.86 ⁽⁴⁾	853.30	848.72
MW 18	3s	1761337.0	317687.7	878.88	881.08 ⁽⁵⁾	858.88	854.15
MW 19	3s	1761304.0	317721.7	878.54	880.75 ⁽⁵⁾	858.75	854.04
MW 20	3s	1761098.7	317705.5	877.70		852.50	847.76
MW 21	3s	1760520.1	316698.0	878.74		850.92	846.20
MW 22	3s	1760525.5	316702.1	879.11		861.67	856.92
MW 23	3s	1761096.0	317715.2	877.68		860.71	855.97
MW 24	3d	1762007.5	317041.2	882.77		803.78	794.03
MW 25	3s	1762008.7	317047.0	882.85		853.75	844.00
MW 26	3d	1763564.6	319256.7	883.09		840.65	830.82
MW 27	1	1763566.5	319262.7	883.04		853.15	848.42
MW 28	3d	1761964.9	318819.0	877.44		834.40	824.66
MW 29	3s	1761971.1	318822.0	877.53		862.21	852.49
MW 30	1	1760992.0	317335.2	878.50		868.64	863.95
MW 31	1	1761074.5	317365.6	879.22		872.17	867.91
MW 31R	1	1761074.5	317365.6	879.71		871.58	866.90
MW 32	1	1760855.5	316937.0	878.88		871.99	867.71
MW 33	1	1760961.5	316889.2	880.01		873.05	868.76
MW 34	1	1761281.2	316498.1	883.67		858.38	849.03
MW 35	3d	1761273.9	316512.3	883.96		828.90	819.56
MW 36	3d	1760540.9	317908.8	870.09		850.97	846.24
MW 37	3s	1760543.9	317904.2	869.95		860.74	856.00
MW 38	3d	1760964.00	317719.32	877.65		846.42	836.74
MW 39	3d	1761249.83	318526.24	879.51		836.29	826.56
MW 40	3s	1761254.51	318528.40	879.51		851.37	841.64
MW 41	3d	1761575.05	318740.73	878.58	878.26 ⁽⁵⁾	839.63	834.92
MW 42	3s	1761579.24	318742.21	878.54	878.19 ⁽⁵⁾	854.93	845.20
MW 43	3d	1762141.24	318947.24	876.00		818.86	814.13
MW 44	3s	1762145.28	318948.82	876.02		853.74	844.02
MW 45	3d	1760998.51	318060.78	873.72		833.77	824.04
MW 46	3s	1761002.51	318062.71	873.64		859.63	854.92
MW 47	3s	1760620.47	316995.56	880.27		856.99	852.27
MW 48	3d	1760837.68	317340.18	877.96		838.96	834.25
MW 49	3s	1760839.93	317343.16	877.93		855.69	845.98
MW 50	3d	1762359.73	318367.08	878.27		839.92	835.20
MW 51	3s	1762357.18	318371.66	878.19		855.93	851.20
MW 52	3d	1761696.65	317137.65	882.69		797.11	787.39
MW 53	3d	1761894.20	317087.64	881.43		758.27	748.62
MW 54	3d	1761482.29	316871.62	880.37		820.55	810.82
MW 55	3s	1761482.41	316867.16	880.28		851.42	841.69
MW 56	3d	1760254.76	318422.25	859.32		847.93	838.27
MW 57	3d	1760357.35	318925.21	862.52		842.68	833.38
MW 58	3d	1760809.76	319598.52	861.46		854.35	849.69
MW 59	3s	1761696.70	318223.89	882.00		852.77	848.03
MW 60	3s	1761917.38	317944.64	881.77		847.95	843.24
MW 61	3d	1762477.48	319069.90	876.57		823.11	813.40
MW 62	B	1762498.26	319076.96	876.70		783.65	773.95
MW 63	3s	1762488.77	319074.19	876.53		846.17	841.45

Table 2

Monitoring Well Construction and Surface Water Benchmark Details
2023 Groundwater Monitoring Report
2915 Dr. Martin Luther King Jr. Boulevard,
Anderson, Indiana

<i>Monitoring Well Location</i>	<i>Hydro- Geologic Unit</i>	<i>Northing ⁽¹⁾</i>	<i>Easting ⁽¹⁾</i>	<i>Datum El. ^(2,3)</i>	<i>Revised Datum El. ^(2,3)</i>	<i>Screen Top ⁽²⁾</i>	<i>Screen Bottom ⁽²⁾</i>
MW 64	3d	1761475.47	319789.86	863.97		853.22	843.56
MW 65	3d	1761484.84	319399.81	864.22		853.47	843.80
MW 66	3d	1761222.31	319634.36	861.67		853.73	844.02
MW 67	3d	1761427.43	318463.83	877.03		835.69	831.02
MW 68	3s	1761420.80	318459.32	876.98		846.75	842.09
MW 69	3d	1760874.10	316649.68	882.08		833.90	829.23
MW 70	3s	1760874.50	316644.87	881.82		849.98	840.32
MW 71	B	1762665.14	317640.98	878.16		761.95	752.31
MW 72	3s	1762672.70	317638.05	877.74		847.86	838.06
MW 73	3d	1762677.33	317644.90	877.96		797.57	787.91
MW 74	B	1760621.78	316817.18	881.10		818.81	809.07
MW 75	3d	1762950.00	318486.45	881.42	882.13 ⁽⁶⁾	801.31	791.63
MW 76	3s	1762951.84	318492.81	881.11		831.97	822.34
MW 76R-17	3s	1762955.72	318491.34	882.54	882.21 ⁽⁶⁾	832.65	822.65
MW 77	B	1760238.33	319661.11	862.77		851.67	842.04
MW 78	3s	1761873.71	317734.00	882.25		855.48	850.75
MW 79	3s	1761750.49	317811.99	881.92		841.69	836.96
MW 80	3d	1761928.33	319258.30	865.49		841.54	836.84
MW 81	B	1761479.01	319399.60	864.38		839.58	829.88
MW 82	B	1761198.31	317978.59	878.55	879.70 ⁽⁴⁾	782.27	772.54
MW 83	B	1761260.12	318746.50	876.23		801.58	791.93
MW 84	3s	1761539.65	318105.07	881.95		848.97	844.25
MW 85	3d	1760642.54	319141.95	866.11		851.62	842.11
MW 86	3d	1762422.91	320453.85	859.12		841.15	836.67
MW 87	3d	1761790.75	320918.50	861.51		848.40	843.91
MW 88	3d	1762463.35	319813.49	859.59		829.41	819.91
MW 89-11	3s	1760693.90	317605.91	875.39		865.74	855.74
MW 90-12	1	1762368.16	318146.02	884.31		878.01	873.01
MW91-12	1	1762277.18	318106.74	884.50		877.30	872.30
MW 92-13	3s	1762364.98	318152.94	884.31		853.21	848.21
MW 93-13	3s	1761325.52	318397.91	880.71		848.09	843.09
MW 94-13	3s	1761506.98	318516.06	880.77		843.09	838.09
MW 95-13	3s	1761465.96	318360.70	884.13		856.53	851.53
MW 96-13	3s	1761495.10	318257.10	884.18		854.14	849.14
MW 97-14	3d	1760141.03	319196.24	860.14		849.35	844.35
MW 97R-16	3d	1760065.02	319224.15	864.87		852.54	847.54
MW 98-18	B	1761478.34	319419.65	864.52		816.52	806.52
MW 99-18	B	1761544.64	320973.65	864.84		829.84	819.84
ER-1	1	1761864.90	317412.04	881.93		868.16	858.16
ER-2	1	1761856.43	317394.55	881.96		872.19	862.19
ER-3	1	1761856.37	317361.47	882.09		872.28	862.28
Meadowbrook Golf Course Wells							
MW-1	3d	1759686.91	317622.12	859.18		855.67	847.67
MW-2	3d	1760047.06	319467.27	860.08		857.31	851.31
MW-3	3d	1760956.57	320710.96	862.68		860.06	851.36
MW-4	3d	1760961.86	318774.81	861.67		859.08	839.08
MW-5	3d	1760305.51	320618.11	871.01		866.49	853.49
MW-6	3d	1760511.36	320752.07	868.92		862.30	844.30
MW-7	3d	1760523.65	320689.67	869.69		864.01	844.01
Surface Water							
Culvert 1	3d	1760552.00	319168.00	857.79		NA	NA

Notes:

(1) Coordinates are Indiana State Plane Coordinate System, 1301 East, NAD 83, US Survey Feet.

(2) Elevation based on level survey relative to USGS Monument PID LA1429 = 882.61 NAVD88.

(3) Datum for elevation and depth is marked on top of PVC riser pipe.

(4) Survey revised in 2010

(5) Survey revised in 2017

(6) Survey revised in 2023

NA - Not Applicable

Table 3

Groundwater Elevation Data 2023
2023 Groundwater Monitoring Report
2915 Dr. Martin Luther King Jr. Boulevard,
Anderson, Indiana

Monitoring Well Location	Hydro- Geologic Unit	Riser Elevation (f NAVD 88)	24-Apr-22		23-Oct-23	
			Depth to Water (f btor)	Groundwater Elevation (f NAVD 88)	Depth to Water (f btor)	Groundwater Elevation (f NAVD 88)
MW 2 R	3s	879.25	13.21	866.04	18.43	860.82
MW 3	3s	880.41	14.64	865.77	19.76	860.65
MW 5	3s	880.54	14.61	865.93	19.72	860.82
MW 8	3s	878.41	11.76	866.65	17.35	861.06
MW 12	3i	882.78	16.35	866.43	21.72	861.06
MW 14	3s	881.36	15.73	865.63	20.87	860.49
MW 15	3s	879.67	14.12	865.55	19.12	860.55
MW 16	3s	879.83	13.98	865.85	18.27	861.56
MW 17	3s	879.86	14.04	865.82	18.3	861.56
MW 19	3s	880.75	2.07	878.68	4.1	876.65
MW 21	3s	878.74	10.95	867.79	17.19	861.55
MW 22	3s	879.11	11.34	867.77	17.19	861.92
MW 26	3d	883.09	24.2	858.89	26.86	856.23
MW 27	1	883.04	20.78	862.26	23.28	859.76
MW 28	3d	877.44	18.84	858.60	20.73	856.71
MW 29	3s	877.53	13.03	864.50	16.46	861.07
MW 31R	1	879.71	6.47	873.24	9.23	870.48
MW 36	3d	870.09	9.5	860.59	11.94	858.15
MW 37	3s	869.95	6.55	863.40	9.56	860.39
MW 39	3d	879.51	20.33	859.18	22.36	857.15
MW 40	3s	879.51	20.34	859.17	22.4	857.11
MW 41	3d	878.26	18.85	859.41	21.24	857.02
MW 42	3s	878.19	19.06	859.13	21.45	856.74
MW 45	3d	873.72	12.98	860.74	15.67	858.05
MW 46	3s	873.64	8.23	865.41	12.2	861.44
MW 47	3s	880.27	13.43	866.84	18.95	861.32
MW 48	3d	877.96	12.31	865.65	17.33	860.63
MW 49	3s	877.93	12.08	865.85	17.2	860.73
MW 56	3d	859.32	1.74	857.58	2.55	856.77
MW 57	3d	862.52	5.09	857.43	5.87	856.65
MW 58	3d	861.46	4.12	857.34	4.95	856.51
MW 61	3d	876.57	17.84	858.73	20.2	856.37
MW 62	B	876.70	16.8	859.90	19.92	856.78
MW 63	3s	876.53	16.56	859.97	18.98	857.55
MW 64	3d	863.97	6.01	857.96	7.74	856.23
MW 65	3d	864.22	5.98	858.24	7.85	856.37
MW 66	3d	861.67	3.83	857.84	5.3	856.37
MW 67	3d	877.03	17.82	859.21	19.85	857.18
MW 68	3s	876.98	17.43	859.55	19.74	857.24
MW 74	B	881.10	12.92	868.18	19.15	861.95
MW 75	3d	882.13	19.92	862.21	23.65	858.48
MW 76R-17	3s	882.21	-	-	23.9	858.31
MW 77	B	862.77	5.49	857.28	6.2	856.57
MW 79	3s	881.92	17.04	864.88	21.81	860.11
MW 80	3d	865.49	7.25	858.24	9.25	856.24
MW 81	B	864.38	6.22	858.16	8.02	856.36
MW 82	B	879.70	12.71	866.99	18.59	861.11
MW 83	B	876.23	18.07	858.16	19.42	856.81
MW 84	3s	881.95	16.48	865.47	20.62	861.33
MW 85	3d	866.11	8.62	857.49	9.45	856.66
MW 86	3d	859.12	2.02	857.10	3.98	855.14
MW 87	3d	861.51	0.6	860.91	3.23	858.28
MW 88	3d	859.59	1.89	857.70	3.91	855.68
MW 89-11	3s	875.39	9.49	865.90	14.91	860.48
MW 90-12	1	884.31	10.5	873.81	10.9	873.41
MW91-12	1	884.50	10.06	874.44	11.3	873.20
MW 92-13	3s	884.31	20.41	863.90	24.67	859.64
MW 93-13	3s	880.71	21.19	859.52	23.48	857.23
MW 95-13	3s	884.13	19.27	864.86	23.3	860.83
MW 96-13	3s	884.18	18.77	865.41	22.75	861.43
MW 97R-16	3d	864.87	7.62	857.25	8.27	856.60
MW 98-18	B	864.52	6.17	858.35	7.8	856.72
MW 99-18	B	864.84	3.77	861.07	5.87	858.97
Meadowbrook Golf Course Wells						
MW-1	3d	859.18	0.4	858.78	1.84	857.34

Table 3

Groundwater Elevation Data 2023
2023 Groundwater Monitoring Report
2915 Dr. Martin Luther King Jr. Boulevard,
Anderson, Indiana

<i>Monitoring Well Location</i>	<i>Hydro- Geologic Unit</i>	<i>Riser Elevation (f NAVD 88)</i>	<i>24-Apr-22</i>		<i>23-Oct-23</i>	
			<i>Depth to Water (f btor)</i>	<i>Groundwater Elevation (f NAVD 88)</i>	<i>Depth to Water (f btor)</i>	<i>Groundwater Elevation (f NAVD 88)</i>
MW-2	3d	860.08	2.56	857.52	3.35	856.73
MW-3	3d	862.68	1.56	861.12	3.7	858.98
MW-4	3d	861.67	3.52	858.15	4.89	856.78
MW-7	3d	869.69	8.72	860.97	10.42	859.27

Notes:

- (1) btor - below top of riser (i.e., reference elevation).
(2) Elevation based on level survey relative to USGS Monument PID LA1429 = 882.61 NAVD88.
(3) Datum for elevation and depth is marked on top of PVC riser pipe.
(4) A dash (-) indicates that the location was not measured.

Table 4

Sample Key
2023 Groundwater Monitoring Report
2915 Dr. Martin Luther King Jr. Boulevard,
Anderson, Indiana

Sample Location	Sample Identification	Sample Date	Time	Matrix	Sample Type	Parent Sample	TCL VOCs
MW 66	GW-100223-BE-001	10/02/23	10:24	WG	N		X
MW 66	GW-100223-BE-002	10/02/23	10:33	WG	FD	GW-100223-BE-001	X
MW 12	GW-100223-BE-003	10/02/23	11:46	WG	N		X
MW 46	GW-100223-BE-004	10/02/23	13:09	WG	N		X
MW 49	GW-100223-BE-005	10/02/23	15:18	WG	N		X
MW89-11	EB-100223-BE-001	10/02/23	16:00	WG	EB		X
MW89-11	GW-100223-BE-006	10/02/23	16:20	WG	N		X
MW 21	GW-100323-BE-007	10/03/23	9:43	WG	N		X
MW 8	GW-100323-BE-008	10/03/23	10:38	WG	N		X
MW 31R	GW-100323-BE-009	10/3/23	12:20	WG	N		X
MW 15	GW-100323-BE-010	10/3/23	13:21	WG	N		X
MW 16	GW-100323-BE-011	10/3/23	15:35	WG	N		X
MW 68	GW-100323-BE-012	10/3/23	16:26	WG	N		X
MW 14	GW-100423-BE-013	10/4/23	9:20	WG	N		X
MW 14	GW-100423-BE-014	10/4/23	9:30	WG	FD	GW-100423-BE-013	X
MW 79	GW-100423-BE-015	10/4/23	10:46	WG	N		X
MW 84	GW-100423-BE-016	10/4/23	11:40	WG	N		X
MW 37	GW-100423-BE-017	10/4/23	12:30	WG	N		X
MW 28	GW-100423-BE-018	10/4/23	14:23	WG	N		X
MW 42	GW-100423-BE-019	10/4/23	16:01	WG	N		X
MW 28	EB-100423-BE-002	10/4/23	14:45	WG	EB		X
MW 41	GW-100423-BE-020	10/4/23	16:23	WG	N		X
MW 83	GW-100523-BE-021	10/5/23	10:48	WG	N		X
MW 40	GW-100523-BE-022	10/5/23	12:07	WG	N		X
MW 80	GW-100523-BE-023	10/5/23	13:50	WG	N		X
MW 88	GW-100923-BE-024	10/9/23	8:40	WG	N		X
MW 61	GW-100923-BE-025	10/9/23	12:55	WG	N		X
MW 61	GW-100923-BE-026	10/9/23	13:04	WG	FD	GW-100923-BE-025	X
MW 64	GW-100923-BE-027	10/9/23	14:21	WG	N		X
MW 65	GW-100923-BE-029	10/9/23	16:11	WG	N		X
MW 81	GW-100923-BE-028	10/9/23	15:40	WG	N		X
MW 81	EB-100923-BE-003	10/9/23	3:58	WG	EB		X
MW 77	GW-101023-BE-030	10/10/23	10:50	WG	N		X
MW-2	GW-101023-BE-031	10/10/23	11:22	WG	N		X
MW97R-16	GW-101023-BE-032	10/10/23	12:30	WG	N		X
MW 56	GW-101023-BE-033	10/10/23	13:07	WG	N		X
MW-4	GW-101023-BE-034	10/10/23	13:58	WG	N		X
MW 58	GW-101023-BE-035	10/10/23	14:44	WG	N		X
MW 58	GW-101023-BE-036	10/10/23	14:55	WG	FD	GW-101023-BE-035	X
MW-7	GW-101023-BE-037	10/10/23	16:04	WG	N		X
MW 86	GW-101123-BE-038	10/11/23	9:10	WG	N		X
MW 85	GW-101123-BE-039	10/11/23	10:45	WG	N		X
MW 57	GW-101123-BE-040	10/11/23	11:58	WG	N		X
MW 57	EB-101123-BE-004	10/11/23	12:45	WG	EB		X
MW 3	GW-101123-BE-041	10/11/23	13:30	WG	N		X
MW92-13	GW-101223-BE-042	10/12/23	9:46	WG	N		X
MW 76R-17	GW-101223-BE-043	10/12/23	11:10	WG	N		X
MW 75	GW-101223-BE-044	10/12/23	12:26	WG	N		X
MW 82	GW-101223-BE-045	10/12/23	15:12	WG	N		X
Pond (north)	SW-101123-BE-001	10/11/23	11:07	WS	N		X
Pond (north)	SW-101123-BE-002	10/11/23	11:14	WS	FD	SW-101123-BE-001	X
Pond (Intake)	SW-101123-BE-003	10/11/23	11:24	WS	N		X

Notes:

X - Sample collected and analyzed at the laboratory for the noted parameter

GW - Groundwater

SW - Surface Water

TB - Trip Blank

EB - Equipment Blank

N - Normal

FD - Field Duplicate

TCL VOCs - Target Compound List Volatile Organic Compounds

Table 5

**Well Stabilization Parameters
2023 Groundwater Monitoring Report
2915 Dr. Martin Luther King Jr. Boulevard,
Anderson, Indiana**

<i>Location</i>	<i>Date</i>	<i>Time (24 hr)</i>	<i>Temperature (° C)</i>	<i>Conductivity (mS/cm)</i>	<i>DO mg/L</i>	<i>Turbidity (NTU)</i>	<i>pH (s.u.)</i>	<i>ORP (mV)</i>
MW-2	10/10/23	11:05:47	18.84	986	0.31	9.3	6.69	-67
		11:10:00	19.03	986	0	4.83	6.68	-66
		11:15:00	19.07	983	0	3.61	6.68	-64
		11:20:00	19.22	983	0	2.17	6.67	-63
MW 3	10/11/23	13:06:37	16.64	730	2.2	14	6.97	56
		13:10:15	16.58	729	0.55	7.35	6.92	69
		13:15:00	16.29	727	0.52	1.36	6.9	71
		13:20:01	16.15	725	0.5	2.5	6.91	75
MW-4	10/10/23	13:30:42	18.33	829	0.00	16.2	6.89	-44
		13:35:07	18.45	831	0.00	14	6.87	-50
		13:40:26	18.43	833	0.00	13.1	6.87	-50
		13:45:27	18.48	834	0.00	11	6.86	-53
		13:50:08	18.39	835	0.00	9.9	6.88	-55
		13:55:14	18.29	834	0.00	11	6.89	-56
MW-7	10/10/23	15:28:07	15.48	1240	0	32	6.64	-96
		15:38:00	15.59	1250	0	17.1	6.64	-97
		15:43:03	15.55	1250	0	11.1	6.64	-97
		15:48:04	15.52	1260	0	10.6	6.64	-98
		15:53:00	15.51	1260	0	7.56	6.64	-98
		15:58:00	15.5	1270	0	4.32	6.64	-98
MW 8	10/3/23	10:15:59	14.26	1050	0.15	2.35	6.88	-117
		10:20:00	14.27	1050	0.08	1.73	6.88	-117
		10:25:00	14.31	1050	0	2.78	6.89	-118
		10:30:05	14.3	1050	0	0.5	6.89	-118
		10:35:39	14.33	1060	0	0.02	6.89	-119
MW 12	10/2/23	11:26:18	17.02	876	0.07	6.46	7.38	-95
		11:30:49	17.11	875	0	6.71	7.38	-97
		11:35:28	17.27	874	0	7.11	7.39	-98
		11:40:25	17.41	880	0	14.3	7.39	-98
		11:44:57	17.64	876	0	1.68	7.39	-100
MW 14	10/4/23	8:55:12	15.25	919	0.51	20.2	6.78	-122
		9:00:18	15.24	925	0	21.2	6.8	-121
		9:05:00	15.19	929	0	10.5	6.82	-121
		9:11:26	15.3	929	0	7.07	6.83	-121
		9:16:07	15.83	930	0	3.79	6.84	-120
MW 15	10/3/23	12:50:59	21.84	714	0.84	59.9	6.84	-31
		12:55:23	22.16	719	0.34	54.4	6.91	-33
		13:00:01	22.31	721	0.12	48.8	6.91	-34
		13:05:00	22.72	719	0	40	6.93	-32
		13:10:00	23.2	721	0	39.9	6.94	-31
		13:15:00	23.57	721	0	38.6	6.95	-31
MW 16	10/3/23	14:40:14	15.61	745	0.61	29	7.1	-20
		14:45:57	15.49	745	0.05	24.4	7.09	-23
		14:50:49	15.41	746	0	22	7.08	-23
		14:55:09	15.25	745	0	18.7	7.11	-22
		15:00:00	15.25	746	0	15.5	7.11	-19
		15:05:51	15.24	746	0	15.5	7.11	-15
		15:10:17	15.15	745	0	9.92	7.12	-12
		15:15:17	15.09	744	0	7.28	7.12	-7
		15:20:29	15.06	745	0	6.57	7.13	-4
		15:25:00	15.02	746	0	5.26	7.13	0
		15:30:09	15.06	745	0	3.86	7.14	3
MW 21	10/3/23	9:30:22	13.02	846	0	0.02	6.91	-94
		9:35:03	13.07	843	0	0.05	6.91	-93
		9:40:00	13.18	841	0	0.02	6.91	-94

Table 5

**Well Stabilization Parameters
2023 Groundwater Monitoring Report
2915 Dr. Martin Luther King Jr. Boulevard,
Anderson, Indiana**

<i>Location</i>	<i>Date</i>	<i>Time (24 hr)</i>	<i>Temperature (° C)</i>	<i>Conductivity (mS/cm)</i>	<i>DO mg/L</i>	<i>Turbidity (NTU)</i>	<i>pH (s.u.)</i>	<i>ORP (mV)</i>
MW 28	10/4/23	13:36:00	20.24	923	0.76	82.3	7.01	-127
		13:41:34	20.18	915	0.16	65	7.01	-125
		13:46:31	20.79	914	0.15	52.1	7.01	-125
		13:51:35	20.83	915	0	43.9	7.01	-124
		13:56:12	21.29	911	0	39.3	7.01	-124
		14:01:39	21	920	0	29.8	7.01	-122
		14:06:17	21.58	913	0	29.9	7.02	-123
		14:11:06	22.35	917	0	30.9	7.02	-123
		14:16:00	22.07	921	0	27.1	7.02	-122
MW 31R	10/3/23	11:55:00	19.25	1310	1.44	4.23	6.57	-120
		12:00:38	18.9	1320	0.14	1.28	6.56	-126
		12:05:07	18.94	1320	0	2.11	6.57	-128
		12:10:00	18.96	1330	0	2.74	6.57	-130
		12:15:24	18.85	1330	0	2.92	6.57	-131
MW 37	10/4/23	12:10:32	19.02	955	0	7.77	6.71	-93
		12:15:02	19.5	962	0	5.29	6.71	-86
		12:20:33	19.83	969	0	2.75	6.71	-89
		12:26:07	20.11	967	0	1.94	6.71	-77
MW 40	10/5/23	11:53:54	16.07	873	0	14.5	7.36	-100
		11:58:29	16.29	870	0	9.53	7.37	-101
		12:03:08	16.44	867	0	4.51	7.36	-101
MW 41	10/4/23	16:03:06	16.53	960	0	10.9	6.98	-106
		16:08:04	16.32	964	0	9.62	6.99	-110
		16:13:07	16.74	965	0	6.03	6.99	-112
		16:18:21	16.78	967	0	2.75	6.99	-113
MW 42	10/4/23	15:06:10	17.99	876	0.15	41.7	6.96	-86
		15:11:22	18.09	871	0	32.1	6.95	-86
		15:16:13	17.85	867	0	31.6	6.96	-86
		15:21:32	17.65	862	0	31.3	6.95	-86
		15:26:19	18.09	861	0	24.6	6.95	-86
		15:31:32	17.81	865	0	18.8	6.96	-86
		15:36:33	17.64	858	0	14.3	6.96	-86
		15:41:16	17.61	861	0	12.8	6.96	-86
		15:46:00	17.62	859	0	7.66	6.96	-86
		15:51:05	17.27	857	0	7.17	6.96	-86
		15:57:56	17.37	856	0	7.13	6.96	-86
MW 46	10/2/23	12:35:43	18	1870	0	2.72	7.18	31
		12:40:37	18.13	1880	0	1.4	7.18	45
		12:45:04	17.84	1880	0	0.66	7.18	55
		12:50:01	17.43	1950	0	0.4	7.18	65
		12:55:21	17.21	1970	0	0.77	7.19	67
		13:00:20	17.27	1980	0	0.21	7.19	69
		13:06:02	17.14	1960	0	0.4	7.19	72
MW 49	10/2/23	14:15:00	24.87	841	0.92	46.2	7.37	-21
		14:20:25	24.28	794	0.43	30.7	7.37	-25
		14:25:27	24	795	0.27	22	7.37	-25
		14:30:36	23.96	772	0.1	18.1	7.37	-26
		14:35:21	24.36	777	0.04	20.3	7.37	-27
		14:40:19	24.9	788	0.04	14.1	7.37	-28
		14:15:07	24.71	759	0.04	9.58	7.38	-29
		14:50:22	24.27	762	0	26.5	7.38	-29
		14:55:00	24.27	763	0	19	7.38	-28
		15:00:00	24.3	766	0	12	7.38	-30
		15:05:44	24.63	775	0	8.52	7.37	-31
		15:20:04	25.47	766	0	6.22	7.37	-32

Table 5

**Well Stabilization Parameters
2023 Groundwater Monitoring Report
2915 Dr. Martin Luther King Jr. Boulevard,
Anderson, Indiana**

<i>Location</i>	<i>Date</i>	<i>Time (24 hr)</i>	<i>Temperature (° C)</i>	<i>Conductivity (mS/cm)</i>	<i>DO mg/L</i>	<i>Turbidity (NTU)</i>	<i>pH (s.u.)</i>	<i>ORP (mV)</i>
MW 56	10/10/23	12:53:35	16.06	778	0	7.78	6.92	-77
		12:58:31	16.3	778	0	5.79	6.93	-79
		13:03:00	16.34	778	0	4.06	6.93	-81
MW 57	10/11/2023	11:36:00	16.72	935	0.61	13.6	6.68	-58
		11:41:41	16.83	936	0	11	6.67	-63
		11:46:31	16.8	933	0	10.5	6.66	-65
		11:51:34	16.87	934	0	9.35	6.66	-67
MW 58	10/10/23	14:20:01	17.69	875	0.6	5.79	6.84	-47
		14:25:43	18.52	875	0.07	5.97	6.8	-51
		14:30:07	19.06	874	0	7.36	6.79	-51
		14:35:13	19.64	867	0	2.52	6.79	-53
		14:40:00	19.65	874	0	4.18	6.79	-53
MW 61	10/9/23	11:40:08	14.79	969	1.62	105	7.47	-94
		11:45:44	14.55	966	0.04	98.7	7.46	-94
		12:00:00	15	969	0	84.9	7.45	-96
		12:15:48	15.22	967	0	63.8	7.46	-98
		12:30:00	15.93	968	0	32.3	7.45	-101
		12:35:52	16.33	970	0	43.2	7.45	-103
		12:40:51	16.19	968	0	22.8	7.45	-104
		12:45:13	15.69	969	0	22.7	7.45	-104
		12:50:12	16.27	969	0	20	7.45	-106
MW 64	10/9/23	13:55:00	18.75	744	0.1	22.2	7.57	-20
		14:00:55	19.19	749	0	14	7.57	-20
		14:05:00	18.67	754	0	11.5	7.58	-21
		14:10:43	19.15	756	0	11	7.57	-21
		14:15:00	19.76	759	0	11	7.57	-21
MW 65	10/9/23	15:45:00	18.59	800	0.16	10.3	7.69	-51
		15:50:00	18.82	799	0	10.2	7.68	-49
		15:55:00	18.81	799	0	10.2	7.69	-47
		16:00:00	18.86	799	0	6.01	7.69	-47
		16:05:17	18.84	800	0	4.36	7.69	-47
MW 66	10/2/23	9:26:43	18.31	833	1.42	18.5	7.52	-51
		9:31:01	17.69	803	1.41	26.8	7.48	-43
		9:36:07	17.1	803	1.31	18.5	7.46	-38
		9:41:04	17.11	801	1.01	11.3	7.44	-36
		9:46:01	17.03	800	0.85	7.87	7.44	-35
		9:51:02	16.96	799	0.69	7.25	7.43	-36
		9:56:04	16.96	800	0.65	6.88	7.43	-36
		10:01:03	16.91	801	0.44	5.12	7.43	-40
		10:06:07	16.85	802	0.15	6.24	7.43	-46
		10:11:01	16.85	803	0.1	5.88	7.44	-51
		10:16:01	16.9	804	0.11	5.41	7.44	-50
		10:21:01	16.96	804	0.12	1.89	7.45	-49
MW 68	10/3/23	16:05:00	15.16	814	0.56	16.3	6.96	-91
		16:10:00	15.58	807	0	12.5	6.97	-91
		15:15:13	16.56	808	0	12.8	6.97	-93
		16:20:00	17.95	808	0	13.5	6.98	-96
MW 75	10/12/23	11:41:05	17.96	935	0	102	7.48	-113
		12:00:00	17.45	940	0	25.8	7.5	-120
		12:05:18	16.68	944	0	19.4	7.5	-121
		12:10:05	16.82	943	0	15.1	7.51	-122
		12:15:00	16.67	946	0	13.8	7.51	-123
		12:20:04	16.91	946	0	13.3	7.52	-124

Table 5

**Well Stabilization Parameters
2023 Groundwater Monitoring Report
2915 Dr. Martin Luther King Jr. Boulevard,
Anderson, Indiana**

<i>Location</i>	<i>Date</i>	<i>Time (24 hr)</i>	<i>Temperature (° C)</i>	<i>Conductivity (mS/cm)</i>	<i>DO mg/L</i>	<i>Turbidity (NTU)</i>	<i>pH (s.u.)</i>	<i>ORP (mV)</i>
MW 76R-17	10/12/23	10:10:14	16.18	1050	0.98	97.5	7.39	-66
		10:15:28	16.32	1050	0.04	25.8	7.4	-73
		10:30:29	16.28	1050	0	16.2	7.4	-74
		10:35:41	16.4	1050	0	13.3	7.4	-75
		10:40:36	16.53	1050	0	12.5	7.41	-76
		10:45:54	16.68	1050	0	11	7.41	-76
		10:50:53	16.78	1050	0	9.97	7.41	-76
		10:55:52	16.79	1050	0	7.8	7.41	-76
		11:00:11	16.86	1040	0	6.11	7.41	-76
		11:06:52	16.94	1040	0	4.49	7.42	-77
MW 77	10/10/23	10:25:27	15.74	940	0.1	64.7	6.9	-78
		10:35:00	15.82	938	0	27.6	6.89	-78
		10:40:21	16	938	0	25.5	6.89	-78
		10:45:10	16.17	936	0	25	6.9	-78
MW 79	10/4/23	9:56:00	14.47	908	0.55	24.9	6.91	-135
		10:01:00	14.44	908	0.15	22.3	6.91	-134
		10:06:00	14.47	909	0	12.6	6.9	-131
		10:11:00	14.8	902	0	22.3	6.91	-130
		10:16:07	15.61	903	0	23.8	6.91	-130
		10:21:29	16.4	901	0	28.6	6.92	-130
		10:26:00	15.31	911	0	11	6.93	-127
		10:31:13	15.16	910	0	7.89	6.93	-130
		10:36:08	15.24	910	0	6.39	6.94	-129
		10:41:45	15.25	910	0	2.88	6.94	-128
MW 80	10/5/23	13:11:31	19.48	893	0.48	61.3	7.36	-66
		13:26:26	19.18	892	0	25.7	7.36	-67
		13:31:06	18.85	893	0	22.5	7.36	-68
		13:36:00	18.89	893	0	13.4	7.36	-69
		13:41:00	18.98	892	0	12	7.35	-70
		13:46:02	19.04	893	0	11.2	7.36	-70
MW 81	10/9/23	14:51:06	15.98	909	0.46	50	7.52	-78
		14:55:40	16.02	907	0	55.5	7.5	-81
		15:00:00	16.08	906	0	53.5	7.49	-84
		15:05:29	16	906	0	37.7	7.49	-84
		15:10:51	16.09	906	0	31.3	7.48	-85
		15:15:21	16.17	905	0	19.9	7.48	-85
		15:20:24	16.09	905	0	13.4	7.48	-85
		15:25:32	16.07	905	0	11.7	7.48	-84
		15:30:53	16.1	905	0	10.2	7.48	-84
		15:35:32	15.98	904	0	11	7.48	-83
MW 82	10/12/23	14:45:00	18.46	285	0	21.8	6.81	-37
		14:50:27	18.33	285	0	17.4	6.8	-40
		14:55:09	18.26	284	0	15.4	6.79	-42
		15:00:45	18.15	285	0	14.4	6.79	-44
		15:05:20	18	284	0	14.8	6.79	-46
MW 83	10/5/23	9:55:37	15.3	878	0.6	101	7.39	-95
		10:00:00	15.16	877	0	37.1	7.38	-99
		10:05:00	15.16	877	0	20.5	7.38	-100
		10:10:12	15.12	876	0	13.4	7.38	-101
		10:15:00	15.23	875	0	17.7	7.38	-102
		10:20:31	15.25	874	0	13.7	7.38	-102
		10:26:03	15.42	873	0	20	7.39	-102
		10:30:17	15.45	873	0	12	7.39	-102
		10:35:51	15.36	872	0	16.6	7.39	-102
		10:40:00	16.04	877	0	21.5	7.39	-103
MW 84	10/4/23	11:20:38	14.41	727	0.18	11.4	7.14	-72
		11:25:24	14.85	729	0	5.19	7.14	-74
		11:30:23	14.76	730	0	10.2	7.14	-77
		11:35:02	14.57	730	0	4.86	7.15	-77

Table 5

**Well Stabilization Parameters
2023 Groundwater Monitoring Report
2915 Dr. Martin Luther King Jr. Boulevard,
Anderson, Indiana**

<i>Location</i>	<i>Date</i>	<i>Time (24 hr)</i>	<i>Temperature (°C)</i>	<i>Conductivity (mS/cm)</i>	<i>DO mg/L</i>	<i>Turbidity (NTU)</i>	<i>pH (s.u.)</i>	<i>ORP (mV)</i>
MW 85	10/11/23	10:16:00	16.35	852	0	21.4	6.8	-85
		10:21:16	16.21	850	0	16.8	6.89	-87
		10:26:10	16.09	851	0	13.2	6.89	-88
		10:31:18	16.11	850	0	11.2	6.89	-89
		10:36:59	16.17	850	0	10.8	6.88	-90
		10:41:51	16.15	849	0	10.2	6.88	-90
MW 86	10/11/23	8:20:00	12.08	1120	0.72	58.7	6.62	-77
		8:25:00	12.34	1110	0.02	52.4	6.59	-77
		8:31:20	13.48	1110	0	36.2	6.59	-79
		8:35:47	13.66	1110	0	47.8	6.6	-80
		8:40:53	13.71	1100	0	25.7	6.6	-80
		8:45:43	13.78	1100	0	21	6.61	-80
		9:50:46	13.94	1100	0	16.2	6.61	-81
		8:55:41	14.03	1100	0	12.8	6.61	-81
		9:00:52	14.05	1100	0	13.3	6.62	-81
		9:05:53	14.22	1100	0	11.7	6.62	-81
MW 88	10/5/23	14:42:04	17.79	1000	0	28.3	7.35	-87
		14:47:00	17.81	806	0	27.6	7.24	-53
		14:52:00	17.96	848	0	19.4	7.2	-56
		14:57:00	18.46	728	0	15.5	7.13	-13
		8:10:04	16	979	1.07	26.3	7.24	-66
		8:15:41	16.29	1000	0.46	10.2	7.33	-75
		8:20:35	16.33	1010	0.14	9.29	7.36	-79
		8:25:07	16.39	1020	0	6.48	7.37	-81
		8:30:41	16.4	1020	0	4.53	7.38	-82
MW89-11	10/2/23	8:35:06	16.47	1020	0	3.99	7.39	-83
		16:00:14	18.8	990	1.12	8.59	7.15	125
		16:05:20	19.11	995	1.03	6.73	7.12	130
		16:10:17	19.54	1000	1.12	5.63	7.11	132
		16:15:10	20.2	1010	1.17	4.68	7.11	134
MW92-13	10/12/23	9:19:59	15.23	951	1.2	33.4	6.99	-42
		9:26:00	15.32	945	0.17	20.9	7.28	-72
		9:31:50	15.47	940	0	16.9	7.34	-77
		9:36:18	15.53	938	0	16.2	7.36	-78
		9:41:02	15.52	937	0	14.3	7.37	-79
MW97R-16	10/10/23	11:50:00	16.08	917	0.06	14.6	6.67	-79
		11:55:52	16.06	916	0	11.2	6.65	-80
		12:00:11	15.97	915	0	14.9	6.64	-80
		12:05:00	16	915	0	10.9	6.63	-81
		12:10:15	16	915	0	11	6.63	-82
		12:15:17	15.97	915	0	7.07	6.63	-82
		12:20:12	16	915	0	6.26	6.62	-83
		12:25:00	15.97	914	0	6.05	6.62	-83

Notes:

mg/L milligram per litre
mS/cm millisiemens per centimetre
mV millivolts
s.u. Standard Units
°C degrees Celsius
NTU Nephelometric Turbidity Units

Table 6
Summary of Groundwater Analytical Data - VOCs
2023 Groundwater Monitoring Report
2915 Dr. Martin Luther King Jr. Boulevard,
Anderson, Indiana

Sample Location:		MW 3	MW 8	MW 12	MW 14	MW 14	MW 15	MW 16	MW 21	MW 28	MW 31R
Sample ID:		GW-101123-BE-041	GW-100323-BE-008	GW-100223-BE-003	GW-100423-BE-013	GW-100423-BE-014	GW-100323-BE-010	GW-100323-BE-011	GW-100323-BE-007	GW-100423-BE-018	GW-100323-BE-009
Sample Date:		10/11/2023	10/03/2023	10/02/2023	10/04/2023	10/04/2023	10/03/2023	10/03/2023	10/03/2023	10/04/2023	10/03/2023
geologic_unit_code		3s	3s	3i	3s	3s (Duplicate)	3s	3s	3s	3d	1
Parameters	Units										
Volatile Organic Compounds											
Acetone	mg/L	0.2 U	0.5 U	0.01 U	1 U	1 U	1 U	2 U	0.01 U	1 U	4 U
Benzene	mg/L	0.02 U	0.05 U	0.001 U	0.1 U	0.1 U	0.1 U	0.2 U	0.001 U	0.1 U	0.4 U
Bromodichloromethane	mg/L	0.02 U	0.05 U	0.001 U	0.1 U	0.1 U	0.1 U	0.2 U	0.001 U	0.1 U	0.4 U
Bromoform	mg/L	0.02 U	0.05 U	0.001 U	0.1 U	0.1 U	0.1 U	0.2 U	0.001 U	0.1 U	0.4 U
Bromomethane (Methyl bromide)	mg/L	0.02 U	0.05 U	0.001 U	0.1 U	0.1 U	0.1 U	0.2 U	0.001 U	0.1 U	0.4 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	0.2 U	0.5 U	0.01 U	1 U	1 U	1 U	2 U	0.01 U	1 U	4 U
Carbon disulfide	mg/L	0.02 U	0.05 U	0.001 U	0.1 U	0.1 U	0.1 U	0.2 U	0.001 U	0.1 U	0.4 U
Carbon tetrachloride	mg/L	0.02 U	0.05 U	0.001 U	0.1 U	0.1 U	0.1 U	0.2 U	0.001 U	0.1 U	0.4 U
Chlorobenzene	mg/L	0.02 U	0.05 U	0.001 U	0.1 U	0.1 U	0.1 U	0.2 U	0.001 U	0.1 U	0.4 U
Chloroethane	mg/L	0.02 U	0.05 U	0.001 U	0.1 U	0.1 U	0.1 U	0.2 U	0.001 U	0.1 U	0.4 U
Chloroform (Trichloromethane)	mg/L	0.02 U	0.05 U	0.001 U	0.1 U	0.1 U	0.1 U	0.2 U	0.001 U	0.1 U	0.4 U
Chloromethane (Methyl chloride)	mg/L	0.02 U	0.05 U	0.001 U	0.1 U	0.1 U	0.1 U	0.2 U	0.001 U	0.1 U	0.4 U
Dibromochloromethane	mg/L	0.02 U	0.05 U	0.001 U	0.1 U	0.1 U	0.1 U	0.2 U	0.001 U	0.1 U	0.4 U
1,1-Dichloroethane	mg/L	0.05	0.05 U	0.001 U	0.1 U	0.1 U	0.13	0.2 U	0.001 U	0.1 U	0.56
1,2-Dichloroethane	mg/L	0.02 U	0.05 U	0.001 U	0.1 U	0.1 U	0.1 U	0.2 U	0.001 U	0.1 U	0.4 U
1,1-Dichloroethene	mg/L	0.02 U	0.05 U	0.001 U	0.1 U	0.1 U	0.1 U	0.2 U	0.001 U	0.1 U	0.4 U
cis-1,2-Dichloroethene	mg/L	0.21	1.7	0.052	3.2	3.1	5.1	3.3	0.001 U	1.9	32
trans-1,2-Dichloroethene	mg/L	0.02 U	0.05 U	0.0006 J	0.1 U	0.1 U	0.1 U	0.2 U	0.001 U	0.1 U	0.4 U
1,2-Dichloropropane	mg/L	0.02 U	0.05 U	0.001 U	0.1 U	0.1 U	0.1 U	0.2 U	0.001 U	0.1 U	0.4 U
cis-1,3-Dichloropropene	mg/L	0.02 U	0.05 U	0.001 U	0.1 U	0.1 U	0.1 U	0.2 U	0.001 U	0.1 U	0.4 U
trans-1,3-Dichloropropene	mg/L	0.02 U	0.05 U	0.001 U	0.1 U	0.1 U	0.1 U	0.2 U	0.001 U	0.1 U	0.4 U
Ethylbenzene	mg/L	0.02 U	0.05 U	0.001 U	0.1 U	0.1 U	0.1 U	0.2 U	0.001 U	0.1 U	0.68
2-Hexanone	mg/L	0.2 U	0.5 U	0.01 U	1 U	1 U	1 U	2 U	0.01 U	1 U	4 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	0.2 U	0.5 U	0.01 U	1 U	1 U	1 U	2 U	0.01 U	1 U	4 U
Methylene chloride	mg/L	0.1 U	0.25 U	0.005 U	0.5 U	0.5 U	0.5 U	1 U	0.005 U	0.5 U	2 U
Styrene	mg/L	0.02 U	0.05 U	0.001 U	0.1 U	0.1 U	0.1 U	0.2 U	0.001 U	0.1 U	0.4 U
1,1,2,2-Tetrachloroethane	mg/L	0.02 U	0.05 U	0.001 U	0.1 U	0.1 U	0.1 U	0.2 U	0.001 U	0.1 U	0.4 U
Tetrachloroethene	mg/L	0.02 U	0.05 U	0.001 U	0.1 U	0.1 U	0.1 U	0.2 U	0.001 U	0.1 U	0.4 U
Toluene	mg/L	0.02 U	0.05 U	0.001 U	0.1 U	0.1 U	0.1 U	0.2 U	0.001 U	0.1 U	1.8
1,1,1-Trichloroethane	mg/L	0.16	0.05 U	0.001 U	0.1 U	0.1 U	0.33	0.12 J	0.001 U	0.1 U	0.4 U
1,1,2-Trichloroethane	mg/L	0.02 U	0.05 U	0.001 U	0.1 U	0.1 U	0.1 U	0.2 U	0.001 U	0.1 U	0.4 U
Trichloroethene	mg/L	0.8	0.15	0.00045 J	0.1 U	0.1 U	2	3.8	0.001 U	0.1 U	0.4 U
Vinyl chloride	mg/L	0.02 U	1.2	0.001 U	0.19	0.18	0.094 J	0.2 U	0.001 U	0.18	1.7
Xylenes (total)	mg/L	0.04 U	0.1 U	0.002 U	0.2 U	0.2 U	0.2 U	0.4 U	0.002 U	0.2 U	1.3

Notes:
mg/L - milligram per litre
U - Not detected at the associated reporting limit
J - Estimated concentration.
UU - Not detected; associated reporting limit is estimated.

Table 6
Summary of Groundwater Analytical Data - VOCs
2023 Groundwater Monitoring Report
2915 Dr. Martin Luther King Jr. Boulevard,
Anderson, Indiana

Sample Location:		MW 37	MW 40	MW 41	MW 42	MW 46	MW 49	MW 56	MW 57	MW 58	MW 58
Sample ID:		GW-100423-BE-017	GW-100523-BE-022	GW-100423-BE-020	GW-100423-BE-019	GW-100223-BE-004	GW-100223-BE-005	GW-101023-BE-033	GW-101123-BE-040	GW-101023-BE-035	GW-101023-BE-036
Sample Date:		10/04/2023	10/05/2023	10/04/2023	10/04/2023	10/02/2023	10/02/2023	10/10/2023	10/11/2023	10/10/2023	10/10/2023
geologic_unit_code		3s	3s	3d	3s	3s	3s	3d	3d	3d	3d (Duplicate)
Parameters		Units									
Volatile Organic Compounds											
Acetone	mg/L	0.01 U	1 U	2 U	0.08 U	0.01 U	0.2 U	0.01 U	0.1 U	1 UJ	1 U
Benzene	mg/L	0.001 U	0.1 U	0.2 U	0.008 U	0.001 U	0.02 U	0.001 U	0.01 U	0.1 UJ	0.1 U
Bromodichloromethane	mg/L	0.001 U	0.1 U	0.2 U	0.008 U	0.001 U	0.02 U	0.001 U	0.01 U	0.1 UJ	0.1 U
Bromoform	mg/L	0.001 U	0.1 U	0.2 U	0.008 U	0.001 U	0.02 U	0.001 U	0.01 U	0.1 UJ	0.1 U
Bromomethane (Methyl bromide)	mg/L	0.001 U	0.1 U	0.2 U	0.008 U	0.001 U	0.02 U	0.001 U	0.01 U	0.1 UJ	0.1 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	0.01 U	1 U	2 U	0.08 U	0.01 U	0.2 U	0.01 U	0.1 U	1 UJ	1 U
Carbon disulfide	mg/L	0.001 U	0.1 U	0.2 U	0.008 U	0.001 U	0.02 U	0.001 U	0.01 U	0.1 UJ	0.1 U
Carbon tetrachloride	mg/L	0.001 U	0.1 U	0.2 U	0.008 U	0.001 U	0.02 U	0.001 U	0.01 U	0.1 UJ	0.1 U
Chlorobenzene	mg/L	0.001 U	0.1 U	0.2 U	0.008 U	0.001 U	0.02 U	0.001 U	0.01 U	0.1 UJ	0.1 U
Chloroethane	mg/L	0.001 U	0.1 U	0.2 U	0.008 U	0.001 U	0.02 U	0.001 U	0.01 U	0.1 UJ	0.1 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.1 U	0.2 U	0.008 U	0.001 U	0.02 U	0.001 U	0.01 U	0.1 UJ	0.1 U
Chloromethane (Methyl chloride)	mg/L	0.001 U	0.1 U	0.2 U	0.008 U	0.001 U	0.02 U	0.001 U	0.01 U	0.1 UJ	0.1 U
Dibromochloromethane	mg/L	0.001 U	0.1 U	0.2 U	0.008 U	0.001 U	0.02 U	0.001 U	0.01 U	0.1 UJ	0.1 U
1,1-Dichloroethane	mg/L	0.001 U	0.052 J	0.2 U	0.014	0.001 U	0.02 U	0.001 U	0.01 U	0.058 J-	0.061 J
1,2-Dichloroethane	mg/L	0.001 U	0.1 U	0.2 U	0.008 U	0.001 U	0.02 U	0.001 U	0.01 U	0.1 UJ	0.1 U
1,1-Dichloroethene	mg/L	0.001 U	0.1 U	0.2 U	0.02	0.001 U	0.02 U	0.001 U	0.01 U	0.1 UJ	0.1 U
cis-1,2-Dichloroethene	mg/L	0.001 U	3.5	3.8	2.7	0.001 U	0.38	0.001 U	0.15	2.7 J-	2.7
trans-1,2-Dichloroethene	mg/L	0.001 U	0.054 J	0.2 U	0.17	0.001 U	0.012 J	0.001 U	0.01 U	0.17 J-	0.19
1,2-Dichloropropane	mg/L	0.001 U	0.1 U	0.2 U	0.008 U	0.001 U	0.02 U	0.001 U	0.01 U	0.1 UJ	0.1 U
cis-1,3-Dichloropropene	mg/L	0.001 U	0.1 U	0.2 U	0.008 U	0.001 U	0.02 U	0.001 U	0.01 U	0.1 UJ	0.1 U
trans-1,3-Dichloropropene	mg/L	0.001 U	0.1 U	0.2 U	0.008 U	0.001 U	0.02 U	0.001 U	0.01 U	0.1 UJ	0.1 U
Ethylbenzene	mg/L	0.001 U	0.1 U	0.2 U	0.008 U	0.001 U	0.02 U	0.001 U	0.01 U	0.1 UJ	0.1 U
2-Hexanone	mg/L	0.01 U	1 U	2 U	0.08 U	0.01 U	0.2 U	0.01 U	0.1 U	1 UJ	1 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	0.01 U	1 U	2 U	0.08 U	0.01 U	0.2 U	0.01 U	0.1 U	1 UJ	1 U
Methylene chloride	mg/L	0.005 U	0.5 U	1 U	0.04 U	0.005 U	0.1 U	0.005 U	0.05 U	0.5 UJ	0.5 U
Styrene	mg/L	0.001 U	0.1 U	0.2 U	0.008 U	0.001 U	0.02 U	0.001 U	0.01 U	0.1 UJ	0.1 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.1 U	0.2 U	0.008 U	0.001 U	0.02 U	0.001 U	0.01 U	0.1 UJ	0.1 U
Tetrachloroethene	mg/L	0.001 U	0.1 U	0.2 U	0.008 U	0.001 U	0.02 U	0.001 U	0.01 U	0.1 UJ	0.1 U
Toluene	mg/L	0.001 U	0.1 U	0.2 U	0.008 U	0.001 U	0.02 U	0.001 U	0.01 U	0.1 UJ	0.1 U
1,1,1-Trichloroethane	mg/L	0.001 U	0.1 U	0.2 U	0.008 U	0.001 U	0.02 U	0.001 U	0.01 U	0.1 UJ	0.1 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.1 U	0.2 U	0.008 U	0.001 U	0.02 U	0.001 U	0.01 U	0.1 UJ	0.1 U
Trichloroethene	mg/L	0.001 U	0.11	0.2 U	0.013	0.001 U	0.11	0.001 U	0.01 U	0.1 UJ	0.1 U
Vinyl chloride	mg/L	0.001 U	0.33	0.27	0.06	0.001 U	0.02 U	0.001 U	1.3	0.14 J-	0.14
Xylenes (total)	mg/L	0.002 U	0.2 U	0.4 U	0.016 U	0.002 U	0.04 U	0.002 U	0.02 U	0.2 UJ	0.2 U

Notes:
mg/L - milligram per litre
U - Not detected at the associated reporting limit
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

Table 6
Summary of Groundwater Analytical Data - VOCs
2023 Groundwater Monitoring Report
2915 Dr. Martin Luther King Jr. Boulevard,
Anderson, Indiana

Sample Location:		MW 61	MW 61	MW 64	MW 65	MW 66	MW 66	MW 68	MW 75	MW 76R-17	MW 77
Sample ID:		GW-100923-BE-025	GW-100923-BE-026	GW-100923-BE-027	GW-100923-BE-029	GW-100223-BE-001	GW-100223-BE-002	GW-100323-BE-012	GW-101223-BE-044	GW-101223-BE-043	GW-101023-BE-030
Sample Date:		10/09/2023	10/09/2023	10/09/2023	10/09/2023	10/02/2023	10/02/2023	10/03/2023	10/12/2023	10/12/2023	10/10/2023
geologic_unit_code		3d	3d	3d	3d	3d	3d	3s	3d	3s	B
			(Duplicate)				(Duplicate)				
Parameters	Units										
Volatile Organic Compounds											
Acetone	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.4 U	0.4 U	2 U	0.011	0.01 U	0.01 U
Benzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.04 U	0.04 U	0.2 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.04 U	0.04 U	0.2 U	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.04 U	0.04 U	0.2 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl bromide)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.04 U	0.04 U	0.2 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.4 U	0.4 U	2 U	0.0086 J	0.0039 J	0.01 U
Carbon disulfide	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.04 U	0.04 U	0.2 U	0.001 U	0.001 U	0.001 U
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.04 U	0.04 U	0.2 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.04 U	0.04 U	0.2 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.04 U	0.04 U	0.2 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.04 U	0.04 U	0.2 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl chloride)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.04 U	0.04 U	0.2 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.04 U	0.04 U	0.2 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.001 U	0.001 U	0.0032	0.00061 J	0.029 J	0.027 J	0.11 J	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.04 U	0.04 U	0.2 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.04 U	0.04 U	0.2 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.31	0.0058	1.3	1.3	3.5	0.001 U	0.01	0.001 U
trans-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.037	0.00057 J	0.087	0.082	0.13 J	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.04 U	0.04 U	0.2 U	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.04 U	0.04 U	0.2 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.04 U	0.04 U	0.2 U	0.001 U	0.001 U	0.001 U
Ethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.04 U	0.04 U	0.2 U	0.001 U	0.001 U	0.001 U
2-Hexanone	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.4 U	0.4 U	2 U	0.01 U	0.01 U	0.01 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.4 U	0.4 U	2 U	0.01 U	0.01 U	0.01 U
Methylene chloride	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.2 U	0.2 U	1 U	0.005 U	0.005 U	0.005 U
Styrene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.04 U	0.04 U	0.2 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.04 U	0.04 U	0.2 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.04 U	0.04 U	0.2 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.04 U	0.04 U	0.2 U	0.001 U	0.001 U	0.001 U
1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.04 U	0.04 U	0.2 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.04 U	0.04 U	0.2 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.04 U	0.04 U	1.2	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.0035	0.0033	0.0037	0.0007 J	0.04 U	0.04 U	0.12 J	0.001 U	0.001 U	0.001 U
Xylenes (total)	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.08 U	0.08 U	0.4 U	0.002 U	0.002 U	0.002 U

Notes:
mg/L - milligram per litre
U - Not detected at the associated reporting limit
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

Table 6

Summary of Groundwater Analytical Data - VOCs
2023 Groundwater Monitoring Report
2915 Dr. Martin Luther King Jr. Boulevard,
Anderson, Indiana

Sample Location:	MW 79	MW 80	MW 81	MW 82	MW 83	MW 84	MW 85	MW 86	MW 88	MW-2
Sample ID:	GW-100423-BE-015	GW-100523-BE-023	GW-100923-BE-028	GW-101223-BE-045	GW-100523-BE-021	GW-100423-BE-016	GW-101123-BE-039	GW-101123-BE-038	GW-100923-BE-024	GW-101023-BE-031
Sample Date:	10/04/2023	10/05/2023	10/09/2023	10/12/2023	10/05/2023	10/04/2023	10/11/2023	10/11/2023	10/09/2023	10/10/2023
geologic_unit_code	3s	3d	B	B	B	3s	3d	3d	3d	3d
Parameters	Units									
Volatile Organic Compounds										
Acetone	mg/L	1 U	0.05 U	0.01 U	0.0077 J	0.01 U	0.01 U	0.5 U	0.01 U	0.01 U
Benzene	mg/L	0.1 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.05 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.1 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.05 U	0.001 U	0.001 U
Bromoform	mg/L	0.1 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.05 U	0.001 U	0.001 U
Bromomethane (Methyl bromide)	mg/L	0.1 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.05 U	0.001 U	0.001 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	1 U	0.05 U	0.01 U	0.01 U	0.01 U	0.01 U	0.5 U	0.01 U	0.01 U
Carbon disulfide	mg/L	0.1 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.05 U	0.001 U	0.001 U
Carbon tetrachloride	mg/L	0.1 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.05 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.1 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.05 U	0.001 U	0.001 U
Chloroethane	mg/L	0.1 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.2	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.1 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.05 U	0.001 U	0.001 U
Chloromethane (Methyl chloride)	mg/L	0.1 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.05 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.1 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.05 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.1 U	0.005 U	0.0014	0.001 U	0.001 U	0.001 U	0.14	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.1 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.05 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.1 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.032 J	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	2.6	0.24	0.079 J-	0.00078 J	0.001 U	0.001 U	5.5	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.081 J	0.014	0.001 U	0.001 U	0.001 U	0.001 U	0.18	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.1 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.05 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.1 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.05 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.1 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.05 U	0.001 U	0.001 U
Ethylbenzene	mg/L	0.1 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.05 U	0.001 U	0.001 U
2-Hexanone	mg/L	1 U	0.05 U	0.01 U	0.01 U	0.01 U	0.01 U	0.5 U	0.01 U	0.01 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	1 U	0.05 U	0.01 U	0.01 U	0.01 U	0.01 U	0.5 U	0.01 U	0.01 U
Methylene chloride	mg/L	0.5 U	0.025 U	0.005 U	0.005 U	0.005 U	0.005 U	0.25 U	0.005 U	0.005 U
Styrene	mg/L	0.1 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.05 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.1 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.05 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.1 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.05 U	0.001 U	0.001 U
Toluene	mg/L	0.1 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.05 U	0.001 U	0.001 U
1,1,1-Trichloroethane	mg/L	0.1 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.05 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.1 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.05 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.1 U	0.005 U	0.001 U	0.001 U	0.001 U	0.001 U	0.05 U	0.001 U	0.00097 J
Vinyl chloride	mg/L	0.36	0.11	0.056 J-	0.001 U	0.034	0.001 U	0.32	0.001 U	0.0094
Xylenes (total)	mg/L	0.2 U	0.01 U	0.002 U	0.002 U	0.002 U	0.002 U	0.1 U	0.002 U	0.002 U

Notes:
mg/L - milligram per litre
U - Not detected at the associated reporting limit
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

Table 6

Summary of Groundwater Analytical Data - VOCs
2023 Groundwater Monitoring Report
2915 Dr. Martin Luther King Jr. Boulevard,
Anderson, Indiana

Sample Location:		MW-4	MW-7	MW89-11	MW92-13	MW97R-16
Sample ID:		GW-101023-BE-034	GW-101023-BE-037	GW-100223-BE-006	GW-101223-BE-042	GW-101023-BE-032
Sample Date:		10/10/2023	10/10/2023	10/02/2023	10/12/2023	10/10/2023
geologic_unit_code		3d	3d	3s	3s	3d
Parameters	Units					
Volatile Organic Compounds						
Acetone	mg/L	1 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzene	mg/L	0.1 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.1 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	0.1 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromomethane (Methyl bromide)	mg/L	0.1 U	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	1 U	0.01 U	0.01 U	0.01 U	0.01 U
Carbon disulfide	mg/L	0.1 U	0.001 U	0.001 U	0.001 U	0.001 U
Carbon tetrachloride	mg/L	0.1 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.1 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.1 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.1 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl chloride)	mg/L	0.1 U	0.001 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.1 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.16	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.1 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.1 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	4.5	0.00081 J	0.001 U	0.0015	0.001 U
trans-1,2-Dichloroethene	mg/L	0.06 J	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.1 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	mg/L	0.1 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,3-Dichloropropene	mg/L	0.1 U	0.001 U	0.001 U	0.001 U	0.001 U
Ethylbenzene	mg/L	0.1 U	0.001 U	0.001 U	0.001 U	0.001 U
2-Hexanone	mg/L	1 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	1 U	0.01 U	0.01 U	0.01 U	0.01 U
Methylene chloride	mg/L	0.5 U	0.005 U	0.005 U	0.005 U	0.005 U
Styrene	mg/L	0.1 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.1 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.1 U	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	mg/L	0.1 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,1-Trichloroethane	mg/L	0.12	0.001 U	0.011	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.1 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	2.7	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.2	0.001 U	0.001 U	0.001 U	0.001 U
Xylenes (total)	mg/L	0.2 U	0.002 U	0.002 U	0.002 U	0.002 U

Notes:
mg/L - milligram per litre
U - Not detected at the associated reporting limit
J - Estimated concentration.
UJ - Not detected; associated reporting limit is estimated.

Table 7

Summary of Surface Water Analytical Data - VOCs
2023 Groundwater Monitoring Report
2915 Dr. Martin Luther King Jr. Boulevard,
Anderson, Indiana

Sample Location:	Pond Intake	Pond North	Pond North
Sample ID:	SW-101123-BE-003	SW-101123-BE-001	SW-101123-BE-002
Sample Date:	10/11/2023	10/11/2023	10/11/2023
geologic_unit_code	WS	WS	WS
Parameters	Units		(Duplicate)
Volatile Organic Compounds			
Acetone	mg/L	0.033 U	0.05 U
Benzene	mg/L	0.0033 U	0.005 U
Bromodichloromethane	mg/L	0.0033 U	0.005 U
Bromoform	mg/L	0.0033 U	0.005 U
Bromomethane (Methyl bromide)	mg/L	0.0033 U	0.0022 J
2-Butanone (Methyl ethyl ketone) (MEK)	mg/L	0.033 U	0.05 U
Carbon disulfide	mg/L	0.0033 U	0.005 U
Carbon tetrachloride	mg/L	0.0033 U	0.005 U
Chlorobenzene	mg/L	0.0033 U	0.005 U
Chloroethane	mg/L	0.0033 U	0.005 U
Chloroform (Trichloromethane)	mg/L	0.0033 U	0.005 U
Chloromethane (Methyl chloride)	mg/L	0.0033 U	0.005 U
Dibromochloromethane	mg/L	0.0033 U	0.005 U
1,1-Dichloroethane	mg/L	0.0017 J	0.0046 J
1,2-Dichloroethane	mg/L	0.0033 U	0.005 U
1,1-Dichloroethene	mg/L	0.0033 U	0.005 U
cis-1,2-Dichloroethene	mg/L	0.045	0.11
trans-1,2-Dichloroethene	mg/L	0.0033 U	0.005 U
1,2-Dichloropropane	mg/L	0.0033 U	0.005 U
cis-1,3-Dichloropropene	mg/L	0.0033 U	0.005 U
trans-1,3-Dichloropropene	mg/L	0.0033 U	0.005 U
Ethylbenzene	mg/L	0.0033 U	0.005 U
2-Hexanone	mg/L	0.033 U	0.05 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	mg/L	0.033 U	0.05 U
Methylene chloride	mg/L	0.017 U	0.025 U
Styrene	mg/L	0.0033 U	0.005 U
1,1,2,2-Tetrachloroethane	mg/L	0.0033 U	0.005 U
Tetrachloroethene	mg/L	0.0033 U	0.005 U
Toluene	mg/L	0.0033 U	0.005 U
1,1,1-Trichloroethane	mg/L	0.0033 U	0.005 U
1,1,2-Trichloroethane	mg/L	0.0033 U	0.005 U
Trichloroethene	mg/L	0.0033 U	0.005 U
Vinyl chloride	mg/L	0.0025 J	0.0075
Xylenes (total)	mg/L	0.0067 U	0.01 U

Notes:

mg/L - milligram per litre

U - Not detected at the associated reporting limit

J - Estimated concentration.

Trend Test Summary
2023 Groundwater Monitoring Report
2915 Dr. Martin Luther King Jr. Boulevard,
Anderson, Indiana

Location	Hydro-Geologic Unit	Plume Position	Date Range	Analyte		
				TCE	cis-1,2-DCE	Vinyl chloride
MW-2	3d	WWTP, Margin	5/2007 - 10/2023	--	--	--
MW 3	3s	AOC 1, Source	2/2005 - 10/2023	NT or Decreasing	NT or Decreasing	NT or Decreasing ⁽¹⁾
MW-4	3d	WWTP, Tail	1/2005 - 10/2023	Increasing ⁽¹⁾	NT or Decreasing	NT or Decreasing
MW-7	3d	WWTP, Margin	10/2012 - 10/2023	--	--	--
MW 8	3s	AOC 1, Source	2/2005 - 10/2023	NT or Decreasing	NT or Decreasing	NT or Decreasing
MW 12	3i	AOC 1, Tail	2/2005 - 10/2023	NT or Decreasing ⁽¹⁾	NT or Decreasing	--
MW 14	3s	AOC 1, Tail	2/2005 - 10/2023	--	NT or Decreasing	NT or Decreasing
MW 15	3s	AOC 1, Source	2/2005 - 10/2023	NT or Decreasing	NT or Decreasing	NT or Decreasing ⁽²⁾
MW 16	3s	AOC 1, Margin	1/2005 - 10/2023	--	NT or Decreasing ⁽¹⁾	--
MW 21	3s	AOC 1, Margin	2/2005 - 10/2023	--	--	--
MW 28	3d	WWTP, Tail	10/2005 - 10/2023	--	Increasing ⁽¹⁾	Increasing
MW 31R	1	AOC 1, Source	10/2005 - 10/2023	NT or Decreasing ⁽¹⁾	Increasing	NT or Decreasing
MW 37	3s	AOC 1, Margin	1/2005 - 10/2023	--	--	--
MW 40	3s	WWTP, Source	1/2005 - 10/2023	NT or Decreasing ⁽¹⁾	NT or Decreasing	NT or Decreasing
MW 41	3d	WWTP, Source	10/2005 - 10/2023	--	NT or Decreasing	NT or Decreasing
MW 42	3s	WWTP, Source	10/2005 - 10/2023	--	NT or Decreasing	NT or Decreasing ⁽²⁾
MW 46	3s	AOC 1, Margin	1/2005 - 10/2023	--	--	--
MW 49	3s	AOC 1, Tail	1/2005 - 10/2023	Increasing ⁽¹⁾	Increasing	--
MW 51	3s	AOC 1, Tail	12/2008 - 4/2019	NT or Decreasing	Increasing	NT or Decreasing ⁽¹⁾
MW 56	3d	WWTP, Margin	1/2005 - 10/2023	--	--	--
MW 57	3d	WWTP, Margin	1/2005 - 10/2023	--	--	Increasing ⁽¹⁾
MW 58	3d	WWTP, Margin	1/2005 - 10/2023	--	--	Increasing
MW 61	3d	WWTP, Margin	1/2005 - 10/2023	--	--	Increasing ⁽¹⁾
MW 64	3d	WWTP, Margin	1/2005 - 10/2023	--	Increasing ⁽¹⁾	Increasing
MW 65	3d	WWTP, Margin	1/2005 - 10/2023	--	NT or Decreasing	NT or Decreasing ⁽¹⁾
MW 66	3d	WWTP, Tail	1/2005 - 10/2023	--	Increasing	Increasing ⁽¹⁾
MW 68	3s	WWTP, Source	1/2005 - 10/2023	NT or Decreasing	NT or Decreasing	NT or Decreasing
MW 75	3d	AOC 1, Margin	1/2005 - 10/2023	--	--	--
MW 76/MW 76R-17	3s	AOC 1, Margin	1/2005 - 10/2023	--	--	--
MW 79	3s	AOC 1, Tail	1/2005 - 10/2023	--	Increasing	NT or Decreasing
MW 80	3d	WWTP, Margin	3/2005 - 10/2023	--	--	Increasing
MW 81	B	WWTP, Margin	3/2005 - 10/2023	--	Increasing	Increasing
MW 82	B	AOC 1, Margin	3/2005 - 10/2023	--	--	--
MW 83	B	WWTP, Margin	3/2005 - 10/2023	--	--	Increasing ⁽¹⁾
MW 84	3S	WWTP, Margin	10/2005 - 10/2023	--	--	--
MW 85	3d	WWTP, Tail	2/2008 - 10/2023	--	Increasing	NT or Decreasing
MW 86	3d	WWTP, Tail	10/2010 - 10/2023	--	--	--
MW 88	3d	WWTP, Tail	10/2010 - 10/2023	--	--	Increasing ⁽¹⁾
MW 89-11	3s	AOC 1, Tail	10/2011 - 10/2023	--	--	--
MW97R-16	3d	WWTP, Margin	10/2016 - 10/2023	--	--	--
Pond Intake	Surface Water	Surface Water	1/2005 - 10/2023	--	Increasing ⁽¹⁾	NT or Decreasing ⁽¹⁾
Pond North	Surface Water	Surface Water	1/2005 - 10/2023	--	NT or Decreasing ⁽¹⁾	Increasing

Notes:

⁽¹⁾ Trend test was calculated using detected values only, due to elevated detection limits for non-detects or due to detection frequency close to 75 percent.

⁽²⁾ Non-detects were excluded due to ambiguous comparisons with data analyzed at lower detection limits.

Due to changes in sampling frequency, earlier sampling events were excluded from the Mann-Kendall trend test to provide a consistent sampling interval corresponding to current program (annual).

-- Trend test not performed due to infrequent detections (i.e., fewer than 75 percent detects).

NT or Decreasing - A statistically-significant (90 percent confidence) increasing trend was not found.

Analyte concentrations may be stable or decreasing over time. (Per approved Monitoring Plan, a 1-sided test is performed).

Trend Test Summary - Recent Period
2023 Groundwater Monitoring Report
2915 Dr. Martin Luther King Jr. Boulevard,
Anderson, Indiana

Location	Hydro-Geologic Unit	Plume Position	Date Range	Analyte		
				TCE	cis-1,2-DCE	Vinyl chloride
MW-2	3d	WWTP, Margin	10/2013 - 10/2023	--	--	--
MW 3	3s	AOC 1, Source	4/2013 - 10/2023	NT or Decreasing	NT or Decreasing	--
MW-4	3d	WWTP, Tail	4/2013 - 10/2023	NT or Decreasing	NT or Decreasing	NT or Decreasing
MW-7	3d	WWTP, Margin	10/2017 - 10/2023	--	--	--
MW 8	3s	AOC 1, Source	4/2013 - 10/2023	NT or Decreasing	NT or Decreasing	NT or Decreasing
MW 12	3i	AOC 1, Tail	4/2013 - 10/2023	--	NT or Decreasing	--
MW 14	3s	AOC 1, Tail	4/2013 - 10/2023	--	NT or Decreasing	NT or Decreasing
MW 15	3s	AOC 1, Source	10/2013 - 10/2023	NT or Decreasing	NT or Decreasing	NT or Decreasing ⁽¹⁾
MW 16	3s	AOC 1, Margin	10/2013 - 10/2023	--	NT or Decreasing ⁽¹⁾	--
MW 21	3s	AOC 1, Margin	10/2015 - 10/2023	--	--	--
MW 28	3d	WWTP, Tail	4/2013 - 10/2023	--	Increasing	NT or Decreasing
MW 31R	1	AOC 1, Source	4/2013 - 10/2023	--	Increasing	Increasing
MW 37	3s	AOC 1, Margin	10/2013 - 10/2023	--	--	--
MW 40	3s	WWTP, Source	4/2013 - 10/2023	NT or Decreasing ⁽¹⁾	NT or Decreasing	NT or Decreasing
MW 41	3d	WWTP, Source	4/2013 - 10/2023	--	NT or Decreasing	NT or Decreasing
MW 42	3s	WWTP, Source	4/2013 - 10/2023	--	NT or Decreasing	NT or Decreasing ⁽¹⁾
MW 46	3s	AOC 1, Margin	10/2013 - 10/2023	--	--	--
MW 49	3s	AOC 1, Tail	4/2013 - 10/2023	--	NT or Decreasing	--
MW 51	3s	AOC 1, Tail	4/2013 - 4/2019	NT or Decreasing	Increasing	NT or Decreasing
MW 56	3d	WWTP, Margin	10/2013 - 10/2023	--	--	--
MW 57	3d	WWTP, Margin	10/2013 - 10/2023	--	--	Increasing
MW 58	3d	WWTP, Margin	10/2013 - 10/2023	--	Increasing	NT or Decreasing
MW 61	3d	WWTP, Margin	10/2013 - 10/2023	--	--	Increasing ⁽¹⁾
MW 64	3d	WWTP, Margin	10/2013 - 10/2023	--	NT or Decreasing	NT or Decreasing
MW 65	3d	WWTP, Margin	10/2013 - 10/2023	--	NT or Decreasing	NT or Decreasing ⁽¹⁾
MW 66	3d	WWTP, Tail	4/2013 - 10/2023	--	NT or Decreasing	NT or Decreasing ⁽¹⁾
MW 68	3s	WWTP, Source	4/2013 - 10/2023	NT or Decreasing	NT or Decreasing	NT or Decreasing
MW 75	3d	AOC 1, Margin	10/2013 - 10/2023	--	--	--
MW 76/MW 76R-17	3s	AOC 1, Margin	10/2013 - 10/2023	--	Increasing	--
MW 79	3s	AOC 1, Tail	4/2013 - 10/2023	--	NT or Decreasing	Increasing
MW 80	3d	WWTP, Margin	10/2013 - 10/2023	--	NT or Decreasing ⁽¹⁾	Increasing
MW 81	B	WWTP, Margin	10/2013 - 10/2023	--	NT or Decreasing	NT or Decreasing
MW 82	B	AOC 1, Margin	10/2013 - 10/2023	--	--	--
MW 83	B	WWTP, Margin	10/2013 - 10/2023	--	--	Increasing
MW 84	3S	WWTP, Margin	4/2013 - 10/2023	--	--	--
MW 85	3d	WWTP, Tail	4/2013 - 10/2023	--	NT or Decreasing	NT or Decreasing
MW 86	3d	WWTP, Tail	10/2013 - 10/2023	--	--	--
MW 88	3d	WWTP, Tail	10/2013 - 10/2023	--	--	Increasing ⁽¹⁾
MW 89-11	3s	AOC 1, Tail	4/2013 - 10/2023	--	--	--
MW97R-16	3d	WWTP, Margin	10/2016 - 10/2023	--	--	--
Pond Intake	Surface Water	Surface Water	4/2013 - 10/2023	--	Increasing	NT or Decreasing
Pond North	Surface Water	Surface Water	4/2013 - 10/2023	--	NT or Decreasing	NT or Decreasing

Notes:

⁽¹⁾ Non-detects were excluded due to ambiguous comparisons with data analyzed at lower detection limits.

Due to changes in sampling frequency, earlier sampling events were excluded from the Mann-Kendall trend test to provide a consistent sampling interval corresponding to current program (annual).

-- Trend test not performed due to infrequent detections (i.e., fewer than 75 percent detects).

NT or Decreasing - A statistically-significant (90 percent confidence) increasing trend was not found.

Analyte concentrations may be stable or decreasing over time. (Per approved Monitoring Plan, a 1-sided test is performed).

Appendices

Appendix A

Laboratory Certificates of Analysis



ANALYTICAL REPORT

PREPARED FOR

Attn: Ruth Mickle
GHD Services Inc.
26850 Haggerty Rd.
Farmington Hills MI 48331

Generated 11/8/2023 1:40 PM Revision 1

JOB DESCRIPTION

11209506, MLK - Anderson, IN

JOB NUMBER

240-193522-1

Eurofins Cleveland

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing North Central, LLC Project Manager.

Authorization



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Definitions/Glossary

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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
240-193522-1

Comments

A revised report was provided on November 8, 2023. At the request of GHD, additional information was provided regarding the use of opened vials.

Receipt

The samples were received on 10/13/2023 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.0° C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 240-591496 was outside the method criteria for the following analyte(s): Carbon disulfide. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 240-591677 was outside the method criteria for the following analyte(s): Carbon disulfide. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 240-591728 was outside the method criteria for the following analyte(s): 1,1,2,2-Tetrachloroethane, Bromomethane and Chloroethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 240-591760 was outside the method criteria for the following analyte(s): Chloroethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 240-591763 was outside the method criteria for the following analyte(s): Carbon disulfide and Styrene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: Sample GW-100923-BE-028 (240-193522-5) had to be re-run multiple times because of incorrect dilutions, and this consumed a large amount of sample. Therefore, it was necessary to use the vial opened for preservation confirmation for the final analysis. The affected analytes are: cis-1,2-dichloroethene and vinyl chloride.

Method 8260D: The continuing calibration verification (CCV) analyzed in batch 240-591927 was outside the method criteria for the following analyte(s): Chloroethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260D: Sample GW-101023-BE-035 (240-193522-14) had to be re-run multiple times because of instrument failure, and this consumed a large amount of sample. Therefore, it was necessary to use the vial opened for preservation confirmation for the final analysis. All of the analytes are affected.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: GW-100923-BE-024

Lab Sample ID: 240-193522-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Trichloroethene	0.97	J	1.0	0.44	ug/L	1			8260D	Total/NA
Vinyl chloride	9.4		1.0	0.45	ug/L	1			8260D	Total/NA

Client Sample ID: GW-100923-BE-025

Lab Sample ID: 240-193522-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Vinyl chloride	3.5		1.0	0.45	ug/L	1			8260D	Total/NA

Client Sample ID: GW-100923-BE-026

Lab Sample ID: 240-193522-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Vinyl chloride	3.3		1.0	0.45	ug/L	1			8260D	Total/NA

Client Sample ID: GW-100923-BE-027

Lab Sample ID: 240-193522-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1-Dichloroethane	3.2		1.0	0.47	ug/L	1			8260D	Total/NA
cis-1,2-Dichloroethene	310		10	4.6	ug/L	10			8260D	Total/NA
trans-1,2-Dichloroethene	37		1.0	0.51	ug/L	1			8260D	Total/NA
Vinyl chloride	3.7		1.0	0.45	ug/L	1			8260D	Total/NA

Client Sample ID: GW-100923-BE-028

Lab Sample ID: 240-193522-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1-Dichloroethane	1.4		1.0	0.47	ug/L	1			8260D	Total/NA
cis-1,2-Dichloroethene	79		2.0	0.92	ug/L	2			8260D	Total/NA
Vinyl chloride	56		2.0	0.90	ug/L	2			8260D	Total/NA

Client Sample ID: EB-100923-BE-003

Lab Sample ID: 240-193522-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.48	J	1.0	0.46	ug/L	1			8260D	Total/NA

Client Sample ID: GW-100923-BE-029

Lab Sample ID: 240-193522-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,1-Dichloroethane	0.61	J	1.0	0.47	ug/L	1			8260D	Total/NA
cis-1,2-Dichloroethene	5.8		1.0	0.46	ug/L	1			8260D	Total/NA
trans-1,2-Dichloroethene	0.57	J	1.0	0.51	ug/L	1			8260D	Total/NA
Vinyl chloride	0.70	J	1.0	0.45	ug/L	1			8260D	Total/NA

Client Sample ID: TB-100923-BE-002

Lab Sample ID: 240-193522-8

No Detections.

Client Sample ID: GW-101023-BE-030

Lab Sample ID: 240-193522-9

No Detections.

Client Sample ID: GW-101023-BE-031

Lab Sample ID: 240-193522-10

No Detections.

Client Sample ID: GW-101023-BE-032

Lab Sample ID: 240-193522-11

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Cleveland

Detection Summary

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: GW-101023-BE-033

Lab Sample ID: 240-193522-12

No Detections.

Client Sample ID: GW-101023-BE-034

Lab Sample ID: 240-193522-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	120		100	48	ug/L	100		8260D	Total/NA
1,1-Dichloroethane	160		100	47	ug/L	100		8260D	Total/NA
cis-1,2-Dichloroethene	4500		100	46	ug/L	100		8260D	Total/NA
trans-1,2-Dichloroethene	60	J	100	51	ug/L	100		8260D	Total/NA
Trichloroethene	2700		100	44	ug/L	100		8260D	Total/NA
Vinyl chloride	200		100	45	ug/L	100		8260D	Total/NA

Client Sample ID: GW-101023-BE-035

Lab Sample ID: 240-193522-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	58	J	100	47	ug/L	100		8260D	Total/NA
cis-1,2-Dichloroethene	2700		100	46	ug/L	100		8260D	Total/NA
trans-1,2-Dichloroethene	170		100	51	ug/L	100		8260D	Total/NA
Vinyl chloride	140		100	45	ug/L	100		8260D	Total/NA

Client Sample ID: GW-101023-BE-036

Lab Sample ID: 240-193522-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	61	J	100	47	ug/L	100		8260D	Total/NA
cis-1,2-Dichloroethene	2700		100	46	ug/L	100		8260D	Total/NA
trans-1,2-Dichloroethene	190		100	51	ug/L	100		8260D	Total/NA
Vinyl chloride	140		100	45	ug/L	100		8260D	Total/NA

Client Sample ID: GW-101023-BE-037

Lab Sample ID: 240-193522-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.81	J	1.0	0.46	ug/L	1		8260D	Total/NA

Client Sample ID: GW-101123-BE-038

Lab Sample ID: 240-193522-17

No Detections.

Client Sample ID: GW-101123-BE-039

Lab Sample ID: 240-193522-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	140		50	24	ug/L	50		8260D	Total/NA
1,1-Dichloroethene	32	J	50	25	ug/L	50		8260D	Total/NA
Chloroethane	200		50	42	ug/L	50		8260D	Total/NA
cis-1,2-Dichloroethene	5500		200	92	ug/L	200		8260D	Total/NA
trans-1,2-Dichloroethene	180		50	26	ug/L	50		8260D	Total/NA
Vinyl chloride	320		50	23	ug/L	50		8260D	Total/NA

Client Sample ID: SW-101123-BE-001

Lab Sample ID: 240-193522-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	4.6	J	5.0	2.4	ug/L	5		8260D	Total/NA
Bromomethane	2.2	J	5.0	2.1	ug/L	5		8260D	Total/NA
cis-1,2-Dichloroethene	110		5.0	2.3	ug/L	5		8260D	Total/NA
Vinyl chloride	7.5		5.0	2.3	ug/L	5		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cleveland

Detection Summary

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: SW-101123-BE-002

Lab Sample ID: 240-193522-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	11		5.0	2.4	ug/L	5		8260D	Total/NA
cis-1,2-Dichloroethene	260		5.0	2.3	ug/L	5		8260D	Total/NA
trans-1,2-Dichloroethene	5.1		5.0	2.6	ug/L	5		8260D	Total/NA
Vinyl chloride	15		5.0	2.3	ug/L	5		8260D	Total/NA

Client Sample ID: SW-101123-BE-003

Lab Sample ID: 240-193522-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.7	J	3.3	1.6	ug/L	3.33333		8260D	Total/NA
cis-1,2-Dichloroethene	45		3.3	1.5	ug/L	3.33333		8260D	Total/NA
Vinyl chloride	2.5	J	3.3	1.5	ug/L	3.33333		8260D	Total/NA

Client Sample ID: GW-101123-BE-040

Lab Sample ID: 240-193522-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	150		10	4.6	ug/L	10		8260D	Total/NA
Vinyl chloride	1300		50	23	ug/L	50		8260D	Total/NA

Client Sample ID: EB-101123-BE-004

Lab Sample ID: 240-193522-23

No Detections.

Client Sample ID: GW-101123-BE-041

Lab Sample ID: 240-193522-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	160		20	9.6	ug/L	20		8260D	Total/NA
1,1-Dichloroethane	50		20	9.4	ug/L	20		8260D	Total/NA
cis-1,2-Dichloroethene	210		20	9.2	ug/L	20		8260D	Total/NA
Trichloroethene	800		20	8.8	ug/L	20		8260D	Total/NA

Client Sample ID: GW-101223-BE-042

Lab Sample ID: 240-193522-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.5		1.0	0.46	ug/L	1		8260D	Total/NA

Client Sample ID: GW-101223-BE-043

Lab Sample ID: 240-193522-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	10		1.0	0.46	ug/L	1		8260D	Total/NA
2-Butanone (MEK)	3.9	J	10	1.2	ug/L	1		8260D	Total/NA

Client Sample ID: GW-101223-BE-044

Lab Sample ID: 240-193522-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11		10	5.4	ug/L	1		8260D	Total/NA
2-Butanone (MEK)	8.6	J	10	1.2	ug/L	1		8260D	Total/NA

Client Sample ID: GW-101223-BE-045

Lab Sample ID: 240-193522-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.7	J	10	5.4	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.78	J	1.0	0.46	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cleveland

Client Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: GW-100923-BE-024

Lab Sample ID: 240-193522-1

Date Collected: 10/09/23 08:40

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/19/23 22:00	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			10/19/23 22:00	1
1,1,2-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/19/23 22:00	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			10/19/23 22:00	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			10/19/23 22:00	1
1,2-Dichloroethane	1.0	U	1.0	0.46	ug/L			10/19/23 22:00	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			10/19/23 22:00	1
2-Hexanone	10	U	10	1.1	ug/L			10/19/23 22:00	1
Acetone	10	U	10	5.4	ug/L			10/19/23 22:00	1
Benzene	1.0	U	1.0	0.42	ug/L			10/19/23 22:00	1
Bromoform	1.0	U	1.0	0.76	ug/L			10/19/23 22:00	1
Bromomethane	1.0	U	1.0	0.42	ug/L			10/19/23 22:00	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			10/19/23 22:00	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			10/19/23 22:00	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			10/19/23 22:00	1
Chloroethane	1.0	U	1.0	0.83	ug/L			10/19/23 22:00	1
Chloroform	1.0	U	1.0	0.47	ug/L			10/19/23 22:00	1
Chloromethane	1.0	U	1.0	0.63	ug/L			10/19/23 22:00	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			10/19/23 22:00	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			10/19/23 22:00	1
Dichlorobromomethane	1.0	U	1.0	0.38	ug/L			10/19/23 22:00	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			10/19/23 22:00	1
2-Butanone (MEK)	10	U	10	1.2	ug/L			10/19/23 22:00	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.99	ug/L			10/19/23 22:00	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			10/19/23 22:00	1
Styrene	1.0	U	1.0	0.45	ug/L			10/19/23 22:00	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			10/19/23 22:00	1
Toluene	1.0	U	1.0	0.44	ug/L			10/19/23 22:00	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			10/19/23 22:00	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			10/19/23 22:00	1
Trichloroethene	0.97	J	1.0	0.44	ug/L			10/19/23 22:00	1
Vinyl chloride	9.4		1.0	0.45	ug/L			10/19/23 22:00	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			10/19/23 22:00	1
Chlorodibromomethane	1.0	U	1.0	0.39	ug/L			10/19/23 22:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		62 - 137		10/19/23 22:00	1
4-Bromofluorobenzene (Surr)	80		56 - 136		10/19/23 22:00	1
Toluene-d8 (Surr)	108		78 - 122		10/19/23 22:00	1
Dibromofluoromethane (Surr)	113		73 - 120		10/19/23 22:00	1

Client Sample ID: GW-100923-BE-025

Lab Sample ID: 240-193522-2

Date Collected: 10/09/23 12:55

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/20/23 17:41	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			10/20/23 17:41	1
1,1,2-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/20/23 17:41	1

Eurofins Cleveland

Client Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: GW-100923-BE-025

Lab Sample ID: 240-193522-2

Date Collected: 10/09/23 12:55

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			10/20/23 17:41	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			10/20/23 17:41	1
1,2-Dichloroethane	1.0	U	1.0	0.46	ug/L			10/20/23 17:41	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			10/20/23 17:41	1
2-Hexanone	10	U	10	1.1	ug/L			10/20/23 17:41	1
Acetone	10	U	10	5.4	ug/L			10/20/23 17:41	1
Benzene	1.0	U	1.0	0.42	ug/L			10/20/23 17:41	1
Bromoform	1.0	U	1.0	0.76	ug/L			10/20/23 17:41	1
Bromomethane	1.0	U	1.0	0.42	ug/L			10/20/23 17:41	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			10/20/23 17:41	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			10/20/23 17:41	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			10/20/23 17:41	1
Chloroethane	1.0	U	1.0	0.83	ug/L			10/20/23 17:41	1
Chloroform	1.0	U	1.0	0.47	ug/L			10/20/23 17:41	1
Chloromethane	1.0	U	1.0	0.63	ug/L			10/20/23 17:41	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			10/20/23 17:41	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			10/20/23 17:41	1
Dichlorobromomethane	1.0	U	1.0	0.38	ug/L			10/20/23 17:41	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			10/20/23 17:41	1
2-Butanone (MEK)	10	U	10	1.2	ug/L			10/20/23 17:41	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.99	ug/L			10/20/23 17:41	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			10/20/23 17:41	1
Styrene	1.0	U	1.0	0.45	ug/L			10/20/23 17:41	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			10/20/23 17:41	1
Toluene	1.0	U	1.0	0.44	ug/L			10/20/23 17:41	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			10/20/23 17:41	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			10/20/23 17:41	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			10/20/23 17:41	1
Vinyl chloride	3.5		1.0	0.45	ug/L			10/20/23 17:41	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			10/20/23 17:41	1
Chlorodibromomethane	1.0	U	1.0	0.39	ug/L			10/20/23 17:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		62 - 137		10/20/23 17:41	1
4-Bromofluorobenzene (Surr)	81		56 - 136		10/20/23 17:41	1
Toluene-d8 (Surr)	109		78 - 122		10/20/23 17:41	1
Dibromofluoromethane (Surr)	111		73 - 120		10/20/23 17:41	1

Client Sample ID: GW-100923-BE-026

Lab Sample ID: 240-193522-3

Date Collected: 10/09/23 13:04

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/20/23 18:06	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			10/20/23 18:06	1
1,1,2-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/20/23 18:06	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			10/20/23 18:06	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			10/20/23 18:06	1
1,2-Dichloroethane	1.0	U	1.0	0.46	ug/L			10/20/23 18:06	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: GW-100923-BE-026

Lab Sample ID: 240-193522-3

Date Collected: 10/09/23 13:04

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			10/20/23 18:06	1
2-Hexanone	10	U	10	1.1	ug/L			10/20/23 18:06	1
Acetone	10	U	10	5.4	ug/L			10/20/23 18:06	1
Benzene	1.0	U	1.0	0.42	ug/L			10/20/23 18:06	1
Bromoform	1.0	U	1.0	0.76	ug/L			10/20/23 18:06	1
Bromomethane	1.0	U	1.0	0.42	ug/L			10/20/23 18:06	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			10/20/23 18:06	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			10/20/23 18:06	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			10/20/23 18:06	1
Chloroethane	1.0	U	1.0	0.83	ug/L			10/20/23 18:06	1
Chloroform	1.0	U	1.0	0.47	ug/L			10/20/23 18:06	1
Chloromethane	1.0	U	1.0	0.63	ug/L			10/20/23 18:06	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			10/20/23 18:06	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			10/20/23 18:06	1
Dichlorobromomethane	1.0	U	1.0	0.38	ug/L			10/20/23 18:06	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			10/20/23 18:06	1
2-Butanone (MEK)	10	U	10	1.2	ug/L			10/20/23 18:06	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.99	ug/L			10/20/23 18:06	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			10/20/23 18:06	1
Styrene	1.0	U	1.0	0.45	ug/L			10/20/23 18:06	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			10/20/23 18:06	1
Toluene	1.0	U	1.0	0.44	ug/L			10/20/23 18:06	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			10/20/23 18:06	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			10/20/23 18:06	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			10/20/23 18:06	1
Vinyl chloride	3.3		1.0	0.45	ug/L			10/20/23 18:06	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			10/20/23 18:06	1
Chlorodibromomethane	1.0	U	1.0	0.39	ug/L			10/20/23 18:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		62 - 137					10/20/23 18:06	1
4-Bromofluorobenzene (Surr)	82		56 - 136					10/20/23 18:06	1
Toluene-d8 (Surr)	107		78 - 122					10/20/23 18:06	1
Dibromofluoromethane (Surr)	110		73 - 120					10/20/23 18:06	1

Client Sample ID: GW-100923-BE-027

Lab Sample ID: 240-193522-4

Date Collected: 10/09/23 14:21

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/19/23 23:16	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			10/19/23 23:16	1
1,1,2-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/19/23 23:16	1
1,1-Dichloroethane	3.2		1.0	0.47	ug/L			10/19/23 23:16	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			10/19/23 23:16	1
1,2-Dichloroethane	1.0	U	1.0	0.46	ug/L			10/19/23 23:16	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			10/19/23 23:16	1
2-Hexanone	10	U	10	1.1	ug/L			10/19/23 23:16	1
Acetone	10	U	10	5.4	ug/L			10/19/23 23:16	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: GW-100923-BE-027

Lab Sample ID: 240-193522-4

Date Collected: 10/09/23 14:21

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.0	U	1.0	0.42	ug/L			10/19/23 23:16	1
Bromoform	1.0	U	1.0	0.76	ug/L			10/19/23 23:16	1
Bromomethane	1.0	U	1.0	0.42	ug/L			10/19/23 23:16	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			10/19/23 23:16	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			10/19/23 23:16	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			10/19/23 23:16	1
Chloroethane	1.0	U	1.0	0.83	ug/L			10/19/23 23:16	1
Chloroform	1.0	U	1.0	0.47	ug/L			10/19/23 23:16	1
Chloromethane	1.0	U	1.0	0.63	ug/L			10/19/23 23:16	1
cis-1,2-Dichloroethene	310		10	4.6	ug/L			10/20/23 18:31	10
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			10/19/23 23:16	1
Dichlorobromomethane	1.0	U	1.0	0.38	ug/L			10/19/23 23:16	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			10/19/23 23:16	1
2-Butanone (MEK)	10	U	10	1.2	ug/L			10/19/23 23:16	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.99	ug/L			10/19/23 23:16	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			10/19/23 23:16	1
Styrene	1.0	U	1.0	0.45	ug/L			10/19/23 23:16	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			10/19/23 23:16	1
Toluene	1.0	U	1.0	0.44	ug/L			10/19/23 23:16	1
trans-1,2-Dichloroethene	37		1.0	0.51	ug/L			10/19/23 23:16	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			10/19/23 23:16	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			10/19/23 23:16	1
Vinyl chloride	3.7		1.0	0.45	ug/L			10/19/23 23:16	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			10/19/23 23:16	1
Chlorodibromomethane	1.0	U	1.0	0.39	ug/L			10/19/23 23:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		62 - 137		10/19/23 23:16	1
1,2-Dichloroethane-d4 (Surr)	117		62 - 137		10/20/23 18:31	10
4-Bromofluorobenzene (Surr)	82		56 - 136		10/19/23 23:16	1
4-Bromofluorobenzene (Surr)	84		56 - 136		10/20/23 18:31	10
Toluene-d8 (Surr)	108		78 - 122		10/19/23 23:16	1
Toluene-d8 (Surr)	113		78 - 122		10/20/23 18:31	10
Dibromofluoromethane (Surr)	116		73 - 120		10/19/23 23:16	1
Dibromofluoromethane (Surr)	112		73 - 120		10/20/23 18:31	10

Client Sample ID: GW-100923-BE-028

Lab Sample ID: 240-193522-5

Date Collected: 10/09/23 15:40

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/20/23 18:56	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			10/20/23 18:56	1
1,1,2-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/20/23 18:56	1
1,1-Dichloroethane	1.4		1.0	0.47	ug/L			10/20/23 18:56	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			10/20/23 18:56	1
1,2-Dichloroethane	1.0	U	1.0	0.46	ug/L			10/20/23 18:56	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			10/20/23 18:56	1
2-Hexanone	10	U	10	1.1	ug/L			10/20/23 18:56	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: GW-100923-BE-028

Lab Sample ID: 240-193522-5

Date Collected: 10/09/23 15:40

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	5.4	ug/L			10/20/23 18:56	1
Benzene	1.0	U	1.0	0.42	ug/L			10/20/23 18:56	1
Bromoform	1.0	U	1.0	0.76	ug/L			10/20/23 18:56	1
Bromomethane	1.0	U	1.0	0.42	ug/L			10/20/23 18:56	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			10/20/23 18:56	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			10/20/23 18:56	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			10/20/23 18:56	1
Chloroethane	1.0	U	1.0	0.83	ug/L			10/20/23 18:56	1
Chloroform	1.0	U	1.0	0.47	ug/L			10/20/23 18:56	1
Chloromethane	1.0	U	1.0	0.63	ug/L			10/20/23 18:56	1
cis-1,2-Dichloroethene	79		2.0	0.92	ug/L			10/22/23 21:58	2
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			10/20/23 18:56	1
Dichlorobromomethane	1.0	U	1.0	0.38	ug/L			10/20/23 18:56	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			10/20/23 18:56	1
2-Butanone (MEK)	10	U	10	1.2	ug/L			10/20/23 18:56	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.99	ug/L			10/20/23 18:56	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			10/20/23 18:56	1
Styrene	1.0	U	1.0	0.45	ug/L			10/20/23 18:56	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			10/20/23 18:56	1
Toluene	1.0	U	1.0	0.44	ug/L			10/20/23 18:56	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			10/20/23 18:56	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			10/20/23 18:56	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			10/20/23 18:56	1
Vinyl chloride	56		2.0	0.90	ug/L			10/22/23 21:58	2
Xylenes, Total	2.0	U	2.0	0.42	ug/L			10/20/23 18:56	1
Chlorodibromomethane	1.0	U	1.0	0.39	ug/L			10/20/23 18:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		62 - 137		10/20/23 18:56	1
1,2-Dichloroethane-d4 (Surr)	115		62 - 137		10/22/23 21:58	2
4-Bromofluorobenzene (Surr)	83		56 - 136		10/20/23 18:56	1
4-Bromofluorobenzene (Surr)	84		56 - 136		10/22/23 21:58	2
Toluene-d8 (Surr)	109		78 - 122		10/20/23 18:56	1
Toluene-d8 (Surr)	110		78 - 122		10/22/23 21:58	2
Dibromofluoromethane (Surr)	109		73 - 120		10/20/23 18:56	1
Dibromofluoromethane (Surr)	110		73 - 120		10/22/23 21:58	2

Client Sample ID: EB-100923-BE-003

Lab Sample ID: 240-193522-6

Date Collected: 10/09/23 15:58

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/20/23 00:06	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			10/20/23 00:06	1
1,1,2-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/20/23 00:06	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			10/20/23 00:06	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			10/20/23 00:06	1
1,2-Dichloroethane	1.0	U	1.0	0.46	ug/L			10/20/23 00:06	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			10/20/23 00:06	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: EB-100923-BE-003

Lab Sample ID: 240-193522-6

Date Collected: 10/09/23 15:58

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	10	U	10	1.1	ug/L			10/20/23 00:06	1
Acetone	10	U	10	5.4	ug/L			10/20/23 00:06	1
Benzene	1.0	U	1.0	0.42	ug/L			10/20/23 00:06	1
Bromoform	1.0	U	1.0	0.76	ug/L			10/20/23 00:06	1
Bromomethane	1.0	U	1.0	0.42	ug/L			10/20/23 00:06	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			10/20/23 00:06	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			10/20/23 00:06	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			10/20/23 00:06	1
Chloroethane	1.0	U	1.0	0.83	ug/L			10/20/23 00:06	1
Chloroform	1.0	U	1.0	0.47	ug/L			10/20/23 00:06	1
Chloromethane	1.0	U	1.0	0.63	ug/L			10/20/23 00:06	1
cis-1,2-Dichloroethene	0.48	J	1.0	0.46	ug/L			10/20/23 00:06	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			10/20/23 00:06	1
Dichlorobromomethane	1.0	U	1.0	0.38	ug/L			10/20/23 00:06	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			10/20/23 00:06	1
2-Butanone (MEK)	10	U	10	1.2	ug/L			10/20/23 00:06	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.99	ug/L			10/20/23 00:06	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			10/20/23 00:06	1
Styrene	1.0	U	1.0	0.45	ug/L			10/20/23 00:06	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			10/20/23 00:06	1
Toluene	1.0	U	1.0	0.44	ug/L			10/20/23 00:06	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			10/20/23 00:06	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			10/20/23 00:06	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			10/20/23 00:06	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			10/20/23 00:06	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			10/20/23 00:06	1
Chlorodibromomethane	1.0	U	1.0	0.39	ug/L			10/20/23 00:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	121		62 - 137		10/20/23 00:06	1
4-Bromofluorobenzene (Surr)	80		56 - 136		10/20/23 00:06	1
Toluene-d8 (Surr)	109		78 - 122		10/20/23 00:06	1
Dibromofluoromethane (Surr)	113		73 - 120		10/20/23 00:06	1

Client Sample ID: GW-100923-BE-029

Lab Sample ID: 240-193522-7

Date Collected: 10/09/23 16:11

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/20/23 19:21	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			10/20/23 19:21	1
1,1,2-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/20/23 19:21	1
1,1-Dichloroethane	0.61	J	1.0	0.47	ug/L			10/20/23 19:21	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			10/20/23 19:21	1
1,2-Dichloroethane	1.0	U	1.0	0.46	ug/L			10/20/23 19:21	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			10/20/23 19:21	1
2-Hexanone	10	U	10	1.1	ug/L			10/20/23 19:21	1
Acetone	10	U	10	5.4	ug/L			10/20/23 19:21	1
Benzene	1.0	U	1.0	0.42	ug/L			10/20/23 19:21	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: GW-100923-BE-029

Lab Sample ID: 240-193522-7

Date Collected: 10/09/23 16:11

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	1.0	U	1.0	0.76	ug/L			10/20/23 19:21	1
Bromomethane	1.0	U	1.0	0.42	ug/L			10/20/23 19:21	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			10/20/23 19:21	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			10/20/23 19:21	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			10/20/23 19:21	1
Chloroethane	1.0	U	1.0	0.83	ug/L			10/20/23 19:21	1
Chloroform	1.0	U	1.0	0.47	ug/L			10/20/23 19:21	1
Chloromethane	1.0	U	1.0	0.63	ug/L			10/20/23 19:21	1
cis-1,2-Dichloroethene	5.8		1.0	0.46	ug/L			10/20/23 19:21	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			10/20/23 19:21	1
Dichlorobromomethane	1.0	U	1.0	0.38	ug/L			10/20/23 19:21	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			10/20/23 19:21	1
2-Butanone (MEK)	10	U	10	1.2	ug/L			10/20/23 19:21	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.99	ug/L			10/20/23 19:21	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			10/20/23 19:21	1
Styrene	1.0	U	1.0	0.45	ug/L			10/20/23 19:21	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			10/20/23 19:21	1
Toluene	1.0	U	1.0	0.44	ug/L			10/20/23 19:21	1
trans-1,2-Dichloroethene	0.57 J		1.0	0.51	ug/L			10/20/23 19:21	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			10/20/23 19:21	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			10/20/23 19:21	1
Vinyl chloride	0.70 J		1.0	0.45	ug/L			10/20/23 19:21	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			10/20/23 19:21	1
Chlorodibromomethane	1.0	U	1.0	0.39	ug/L			10/20/23 19:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		62 - 137		10/20/23 19:21	1
4-Bromofluorobenzene (Surr)	82		56 - 136		10/20/23 19:21	1
Toluene-d8 (Surr)	108		78 - 122		10/20/23 19:21	1
Dibromofluoromethane (Surr)	109		73 - 120		10/20/23 19:21	1

Client Sample ID: TB-100923-BE-002

Lab Sample ID: 240-193522-8

Date Collected: 10/09/23 16:30

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/19/23 17:24	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			10/19/23 17:24	1
1,1,2-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/19/23 17:24	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			10/19/23 17:24	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			10/19/23 17:24	1
1,2-Dichloroethane	1.0	U	1.0	0.46	ug/L			10/19/23 17:24	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			10/19/23 17:24	1
2-Hexanone	10	U	10	1.1	ug/L			10/19/23 17:24	1
Acetone	10	U	10	5.4	ug/L			10/19/23 17:24	1
Benzene	1.0	U	1.0	0.42	ug/L			10/19/23 17:24	1
Bromoform	1.0	U	1.0	0.76	ug/L			10/19/23 17:24	1
Bromomethane	1.0	U	1.0	0.42	ug/L			10/19/23 17:24	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			10/19/23 17:24	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: TB-100923-BE-002

Lab Sample ID: 240-193522-8

Date Collected: 10/09/23 16:30

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			10/19/23 17:24	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			10/19/23 17:24	1
Chloroethane	1.0	U	1.0	0.83	ug/L			10/19/23 17:24	1
Chloroform	1.0	U	1.0	0.47	ug/L			10/19/23 17:24	1
Chloromethane	1.0	U	1.0	0.63	ug/L			10/19/23 17:24	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			10/19/23 17:24	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			10/19/23 17:24	1
Dichlorobromomethane	1.0	U	1.0	0.38	ug/L			10/19/23 17:24	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			10/19/23 17:24	1
2-Butanone (MEK)	10	U	10	1.2	ug/L			10/19/23 17:24	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.99	ug/L			10/19/23 17:24	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			10/19/23 17:24	1
Styrene	1.0	U	1.0	0.45	ug/L			10/19/23 17:24	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			10/19/23 17:24	1
Toluene	1.0	U	1.0	0.44	ug/L			10/19/23 17:24	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			10/19/23 17:24	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			10/19/23 17:24	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			10/19/23 17:24	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			10/19/23 17:24	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			10/19/23 17:24	1
Chlorodibromomethane	1.0	U	1.0	0.39	ug/L			10/19/23 17:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		62 - 137		10/19/23 17:24	1
4-Bromofluorobenzene (Surr)	84		56 - 136		10/19/23 17:24	1
Toluene-d8 (Surr)	109		78 - 122		10/19/23 17:24	1
Dibromofluoromethane (Surr)	113		73 - 120		10/19/23 17:24	1

Client Sample ID: GW-101023-BE-030

Lab Sample ID: 240-193522-9

Date Collected: 10/10/23 10:50

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/20/23 20:36	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			10/20/23 20:36	1
1,1,2-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/20/23 20:36	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			10/20/23 20:36	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			10/20/23 20:36	1
1,2-Dichloroethane	1.0	U	1.0	0.46	ug/L			10/20/23 20:36	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			10/20/23 20:36	1
2-Hexanone	10	U	10	1.1	ug/L			10/20/23 20:36	1
Acetone	10	U	10	5.4	ug/L			10/20/23 20:36	1
Benzene	1.0	U	1.0	0.42	ug/L			10/20/23 20:36	1
Bromoform	1.0	U	1.0	0.76	ug/L			10/20/23 20:36	1
Bromomethane	1.0	U	1.0	0.42	ug/L			10/20/23 20:36	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			10/20/23 20:36	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			10/20/23 20:36	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			10/20/23 20:36	1
Chloroethane	1.0	U	1.0	0.83	ug/L			10/20/23 20:36	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: GW-101023-BE-030

Lab Sample ID: 240-193522-9

Date Collected: 10/10/23 10:50

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	1.0	U	1.0	0.47	ug/L			10/20/23 20:36	1
Chloromethane	1.0	U	1.0	0.63	ug/L			10/20/23 20:36	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			10/20/23 20:36	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			10/20/23 20:36	1
Dichlorobromomethane	1.0	U	1.0	0.38	ug/L			10/20/23 20:36	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			10/20/23 20:36	1
2-Butanone (MEK)	10	U	10	1.2	ug/L			10/20/23 20:36	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.99	ug/L			10/20/23 20:36	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			10/20/23 20:36	1
Styrene	1.0	U	1.0	0.45	ug/L			10/20/23 20:36	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			10/20/23 20:36	1
Toluene	1.0	U	1.0	0.44	ug/L			10/20/23 20:36	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			10/20/23 20:36	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			10/20/23 20:36	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			10/20/23 20:36	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			10/20/23 20:36	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			10/20/23 20:36	1
Chlorodibromomethane	1.0	U	1.0	0.39	ug/L			10/20/23 20:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		62 - 137		10/20/23 20:36	1
4-Bromofluorobenzene (Surr)	82		56 - 136		10/20/23 20:36	1
Toluene-d8 (Surr)	110		78 - 122		10/20/23 20:36	1
Dibromofluoromethane (Surr)	113		73 - 120		10/20/23 20:36	1

Client Sample ID: GW-101023-BE-031

Lab Sample ID: 240-193522-10

Date Collected: 10/10/23 11:22

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/20/23 21:01	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			10/20/23 21:01	1
1,1,2-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/20/23 21:01	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			10/20/23 21:01	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			10/20/23 21:01	1
1,2-Dichloroethane	1.0	U	1.0	0.46	ug/L			10/20/23 21:01	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			10/20/23 21:01	1
2-Hexanone	10	U	10	1.1	ug/L			10/20/23 21:01	1
Acetone	10	U	10	5.4	ug/L			10/20/23 21:01	1
Benzene	1.0	U	1.0	0.42	ug/L			10/20/23 21:01	1
Bromoform	1.0	U	1.0	0.76	ug/L			10/20/23 21:01	1
Bromomethane	1.0	U	1.0	0.42	ug/L			10/20/23 21:01	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			10/20/23 21:01	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			10/20/23 21:01	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			10/20/23 21:01	1
Chloroethane	1.0	U	1.0	0.83	ug/L			10/20/23 21:01	1
Chloroform	1.0	U	1.0	0.47	ug/L			10/20/23 21:01	1
Chloromethane	1.0	U	1.0	0.63	ug/L			10/20/23 21:01	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			10/20/23 21:01	1

Eurofins Cleveland

Client Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: GW-101023-BE-031

Lab Sample ID: 240-193522-10

Date Collected: 10/10/23 11:22

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			10/20/23 21:01	1
Dichlorobromomethane	1.0	U	1.0	0.38	ug/L			10/20/23 21:01	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			10/20/23 21:01	1
2-Butanone (MEK)	10	U	10	1.2	ug/L			10/20/23 21:01	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.99	ug/L			10/20/23 21:01	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			10/20/23 21:01	1
Styrene	1.0	U	1.0	0.45	ug/L			10/20/23 21:01	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			10/20/23 21:01	1
Toluene	1.0	U	1.0	0.44	ug/L			10/20/23 21:01	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			10/20/23 21:01	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			10/20/23 21:01	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			10/20/23 21:01	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			10/20/23 21:01	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			10/20/23 21:01	1
Chlorodibromomethane	1.0	U	1.0	0.39	ug/L			10/20/23 21:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		62 - 137		10/20/23 21:01	1
4-Bromofluorobenzene (Surr)	82		56 - 136		10/20/23 21:01	1
Toluene-d8 (Surr)	110		78 - 122		10/20/23 21:01	1
Dibromofluoromethane (Surr)	112		73 - 120		10/20/23 21:01	1

Client Sample ID: GW-101023-BE-032

Lab Sample ID: 240-193522-11

Date Collected: 10/10/23 12:30

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/20/23 21:26	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			10/20/23 21:26	1
1,1,2-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/20/23 21:26	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			10/20/23 21:26	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			10/20/23 21:26	1
1,2-Dichloroethane	1.0	U	1.0	0.46	ug/L			10/20/23 21:26	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			10/20/23 21:26	1
2-Hexanone	10	U	10	1.1	ug/L			10/20/23 21:26	1
Acetone	10	U	10	5.4	ug/L			10/20/23 21:26	1
Benzene	1.0	U	1.0	0.42	ug/L			10/20/23 21:26	1
Bromoform	1.0	U	1.0	0.76	ug/L			10/20/23 21:26	1
Bromomethane	1.0	U	1.0	0.42	ug/L			10/20/23 21:26	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			10/20/23 21:26	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			10/20/23 21:26	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			10/20/23 21:26	1
Chloroethane	1.0	U	1.0	0.83	ug/L			10/20/23 21:26	1
Chloroform	1.0	U	1.0	0.47	ug/L			10/20/23 21:26	1
Chloromethane	1.0	U	1.0	0.63	ug/L			10/20/23 21:26	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			10/20/23 21:26	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			10/20/23 21:26	1
Dichlorobromomethane	1.0	U	1.0	0.38	ug/L			10/20/23 21:26	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			10/20/23 21:26	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: GW-101023-BE-032

Lab Sample ID: 240-193522-11

Date Collected: 10/10/23 12:30

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	10	U	10	1.2	ug/L			10/20/23 21:26	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.99	ug/L			10/20/23 21:26	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			10/20/23 21:26	1
Styrene	1.0	U	1.0	0.45	ug/L			10/20/23 21:26	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			10/20/23 21:26	1
Toluene	1.0	U	1.0	0.44	ug/L			10/20/23 21:26	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			10/20/23 21:26	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			10/20/23 21:26	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			10/20/23 21:26	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			10/20/23 21:26	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			10/20/23 21:26	1
Chlorodibromomethane	1.0	U	1.0	0.39	ug/L			10/20/23 21:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		62 - 137		10/20/23 21:26	1
4-Bromofluorobenzene (Surr)	79		56 - 136		10/20/23 21:26	1
Toluene-d8 (Surr)	106		78 - 122		10/20/23 21:26	1
Dibromofluoromethane (Surr)	109		73 - 120		10/20/23 21:26	1

Client Sample ID: GW-101023-BE-033

Lab Sample ID: 240-193522-12

Date Collected: 10/10/23 13:07

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/22/23 22:23	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			10/22/23 22:23	1
1,1,2-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/22/23 22:23	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			10/22/23 22:23	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			10/22/23 22:23	1
1,2-Dichloroethane	1.0	U	1.0	0.46	ug/L			10/22/23 22:23	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			10/22/23 22:23	1
2-Hexanone	10	U	10	1.1	ug/L			10/22/23 22:23	1
Acetone	10	U	10	5.4	ug/L			10/22/23 22:23	1
Benzene	1.0	U	1.0	0.42	ug/L			10/22/23 22:23	1
Bromoform	1.0	U	1.0	0.76	ug/L			10/22/23 22:23	1
Bromomethane	1.0	U	1.0	0.42	ug/L			10/22/23 22:23	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			10/22/23 22:23	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			10/22/23 22:23	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			10/22/23 22:23	1
Chloroethane	1.0	U	1.0	0.83	ug/L			10/22/23 22:23	1
Chloroform	1.0	U	1.0	0.47	ug/L			10/22/23 22:23	1
Chloromethane	1.0	U	1.0	0.63	ug/L			10/22/23 22:23	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			10/22/23 22:23	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			10/22/23 22:23	1
Dichlorobromomethane	1.0	U	1.0	0.38	ug/L			10/22/23 22:23	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			10/22/23 22:23	1
2-Butanone (MEK)	10	U	10	1.2	ug/L			10/22/23 22:23	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.99	ug/L			10/22/23 22:23	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			10/22/23 22:23	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: GW-101023-BE-033

Lab Sample ID: 240-193522-12

Date Collected: 10/10/23 13:07

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	1.0	U	1.0	0.45	ug/L			10/22/23 22:23	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			10/22/23 22:23	1
Toluene	1.0	U	1.0	0.44	ug/L			10/22/23 22:23	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			10/22/23 22:23	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			10/22/23 22:23	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			10/22/23 22:23	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			10/22/23 22:23	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			10/22/23 22:23	1
Chlorodibromomethane	1.0	U	1.0	0.39	ug/L			10/22/23 22:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		62 - 137					10/22/23 22:23	1
4-Bromofluorobenzene (Surr)	81		56 - 136					10/22/23 22:23	1
Toluene-d8 (Surr)	108		78 - 122					10/22/23 22:23	1
Dibromofluoromethane (Surr)	110		73 - 120					10/22/23 22:23	1

Client Sample ID: GW-101023-BE-034

Lab Sample ID: 240-193522-13

Date Collected: 10/10/23 13:58

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	120		100	48	ug/L			10/22/23 22:48	100
1,1,2,2-Tetrachloroethane	100	U	100	60	ug/L			10/22/23 22:48	100
1,1,2-Trichloroethane	100	U	100	48	ug/L			10/22/23 22:48	100
1,1-Dichloroethane	160		100	47	ug/L			10/22/23 22:48	100
1,1-Dichloroethene	100	U	100	49	ug/L			10/22/23 22:48	100
1,2-Dichloroethane	100	U	100	46	ug/L			10/22/23 22:48	100
1,2-Dichloropropane	100	U	100	47	ug/L			10/22/23 22:48	100
2-Hexanone	1000	U	1000	110	ug/L			10/22/23 22:48	100
Acetone	1000	U	1000	540	ug/L			10/22/23 22:48	100
Benzene	100	U	100	42	ug/L			10/22/23 22:48	100
Bromoform	100	U	100	76	ug/L			10/22/23 22:48	100
Bromomethane	100	U	100	42	ug/L			10/22/23 22:48	100
Carbon disulfide	100	U	100	59	ug/L			10/22/23 22:48	100
Carbon tetrachloride	100	U	100	26	ug/L			10/22/23 22:48	100
Chlorobenzene	100	U	100	38	ug/L			10/22/23 22:48	100
Chloroethane	100	U	100	83	ug/L			10/22/23 22:48	100
Chloroform	100	U	100	47	ug/L			10/22/23 22:48	100
Chloromethane	100	U	100	63	ug/L			10/22/23 22:48	100
cis-1,2-Dichloroethene	4500		100	46	ug/L			10/22/23 22:48	100
cis-1,3-Dichloropropene	100	U	100	61	ug/L			10/22/23 22:48	100
Dichlorobromomethane	100	U	100	38	ug/L			10/22/23 22:48	100
Ethylbenzene	100	U	100	42	ug/L			10/22/23 22:48	100
2-Butanone (MEK)	1000	U	1000	120	ug/L			10/22/23 22:48	100
4-Methyl-2-pentanone (MIBK)	1000	U	1000	99	ug/L			10/22/23 22:48	100
Methylene Chloride	500	U	500	260	ug/L			10/22/23 22:48	100
Styrene	100	U	100	45	ug/L			10/22/23 22:48	100
Tetrachloroethene	100	U	100	44	ug/L			10/22/23 22:48	100
Toluene	100	U	100	44	ug/L			10/22/23 22:48	100

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: GW-101023-BE-034

Lab Sample ID: 240-193522-13

Date Collected: 10/10/23 13:58

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	60	J	100	51	ug/L			10/22/23 22:48	100
trans-1,3-Dichloropropene	100	U	100	67	ug/L			10/22/23 22:48	100
Trichloroethene	2700		100	44	ug/L			10/22/23 22:48	100
Vinyl chloride	200		100	45	ug/L			10/22/23 22:48	100
Xylenes, Total	200	U	200	42	ug/L			10/22/23 22:48	100
Chlorodibromomethane	100	U	100	39	ug/L			10/22/23 22:48	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		62 - 137		10/22/23 22:48	100
4-Bromofluorobenzene (Surr)	83		56 - 136		10/22/23 22:48	100
Toluene-d8 (Surr)	111		78 - 122		10/22/23 22:48	100
Dibromofluoromethane (Surr)	109		73 - 120		10/22/23 22:48	100

Client Sample ID: GW-101023-BE-035

Lab Sample ID: 240-193522-14

Date Collected: 10/10/23 14:44

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	100	U	100	48	ug/L			10/24/23 06:44	100
1,1,2,2-Tetrachloroethane	100	U	100	60	ug/L			10/24/23 06:44	100
1,1,2-Trichloroethane	100	U	100	48	ug/L			10/24/23 06:44	100
1,1-Dichloroethane	58	J	100	47	ug/L			10/24/23 06:44	100
1,1-Dichloroethene	100	U	100	49	ug/L			10/24/23 06:44	100
1,2-Dichloroethane	100	U	100	46	ug/L			10/24/23 06:44	100
1,2-Dichloropropane	100	U	100	47	ug/L			10/24/23 06:44	100
2-Hexanone	1000	U	1000	110	ug/L			10/24/23 06:44	100
Acetone	1000	U	1000	540	ug/L			10/24/23 06:44	100
Benzene	100	U	100	42	ug/L			10/24/23 06:44	100
Bromoform	100	U	100	76	ug/L			10/24/23 06:44	100
Bromomethane	100	U	100	42	ug/L			10/24/23 06:44	100
Carbon disulfide	100	U	100	59	ug/L			10/24/23 06:44	100
Carbon tetrachloride	100	U	100	26	ug/L			10/24/23 06:44	100
Chlorobenzene	100	U	100	38	ug/L			10/24/23 06:44	100
Chloroethane	100	U	100	83	ug/L			10/24/23 06:44	100
Chloroform	100	U	100	47	ug/L			10/24/23 06:44	100
Chloromethane	100	U	100	63	ug/L			10/24/23 06:44	100
cis-1,2-Dichloroethene	2700		100	46	ug/L			10/24/23 06:44	100
cis-1,3-Dichloropropene	100	U	100	61	ug/L			10/24/23 06:44	100
Dichlorobromomethane	100	U	100	38	ug/L			10/24/23 06:44	100
Ethylbenzene	100	U	100	42	ug/L			10/24/23 06:44	100
2-Butanone (MEK)	1000	U	1000	120	ug/L			10/24/23 06:44	100
4-Methyl-2-pentanone (MIBK)	1000	U	1000	99	ug/L			10/24/23 06:44	100
Methylene Chloride	500	U	500	260	ug/L			10/24/23 06:44	100
Styrene	100	U	100	45	ug/L			10/24/23 06:44	100
Tetrachloroethene	100	U	100	44	ug/L			10/24/23 06:44	100
Toluene	100	U	100	44	ug/L			10/24/23 06:44	100
trans-1,2-Dichloroethene	170		100	51	ug/L			10/24/23 06:44	100
trans-1,3-Dichloropropene	100	U	100	67	ug/L			10/24/23 06:44	100
Trichloroethene	100	U	100	44	ug/L			10/24/23 06:44	100

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: GW-101023-BE-035

Lab Sample ID: 240-193522-14

Date Collected: 10/10/23 14:44

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	140		100	45	ug/L			10/24/23 06:44	100
Xylenes, Total	200	U	200	42	ug/L			10/24/23 06:44	100
Chlorodibromomethane	100	U	100	39	ug/L			10/24/23 06:44	100

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		62 - 137				10/24/23 06:44	100
4-Bromofluorobenzene (Surr)	86		56 - 136				10/24/23 06:44	100
Toluene-d8 (Surr)	89		78 - 122				10/24/23 06:44	100
Dibromofluoromethane (Surr)	93		73 - 120				10/24/23 06:44	100

Client Sample ID: GW-101023-BE-036

Lab Sample ID: 240-193522-15

Date Collected: 10/10/23 14:55

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	100	U	100	48	ug/L			10/22/23 23:01	100
1,1,2,2-Tetrachloroethane	100	U	100	60	ug/L			10/22/23 23:01	100
1,1,2-Trichloroethane	100	U	100	48	ug/L			10/22/23 23:01	100
1,1-Dichloroethane	61	J	100	47	ug/L			10/22/23 23:01	100
1,1-Dichloroethene	100	U	100	49	ug/L			10/22/23 23:01	100
1,2-Dichloroethane	100	U	100	46	ug/L			10/22/23 23:01	100
1,2-Dichloropropane	100	U	100	47	ug/L			10/22/23 23:01	100
2-Hexanone	1000	U	1000	110	ug/L			10/22/23 23:01	100
Acetone	1000	U	1000	540	ug/L			10/22/23 23:01	100
Benzene	100	U	100	42	ug/L			10/22/23 23:01	100
Bromoform	100	U	100	76	ug/L			10/22/23 23:01	100
Bromomethane	100	U	100	42	ug/L			10/22/23 23:01	100
Carbon disulfide	100	U	100	59	ug/L			10/22/23 23:01	100
Carbon tetrachloride	100	U	100	26	ug/L			10/22/23 23:01	100
Chlorobenzene	100	U	100	38	ug/L			10/22/23 23:01	100
Chloroethane	100	U	100	83	ug/L			10/22/23 23:01	100
Chloroform	100	U	100	47	ug/L			10/22/23 23:01	100
Chloromethane	100	U	100	63	ug/L			10/22/23 23:01	100
cis-1,2-Dichloroethene	2700		100	46	ug/L			10/22/23 23:01	100
cis-1,3-Dichloropropene	100	U	100	61	ug/L			10/22/23 23:01	100
Dichlorobromomethane	100	U	100	38	ug/L			10/22/23 23:01	100
Ethylbenzene	100	U	100	42	ug/L			10/22/23 23:01	100
2-Butanone (MEK)	1000	U	1000	120	ug/L			10/22/23 23:01	100
4-Methyl-2-pentanone (MIBK)	1000	U	1000	99	ug/L			10/22/23 23:01	100
Methylene Chloride	500	U	500	260	ug/L			10/22/23 23:01	100
Styrene	100	U	100	45	ug/L			10/22/23 23:01	100
Tetrachloroethene	100	U	100	44	ug/L			10/22/23 23:01	100
Toluene	100	U	100	44	ug/L			10/22/23 23:01	100
trans-1,2-Dichloroethene	190		100	51	ug/L			10/22/23 23:01	100
trans-1,3-Dichloropropene	100	U	100	67	ug/L			10/22/23 23:01	100
Trichloroethene	100	U	100	44	ug/L			10/22/23 23:01	100
Vinyl chloride	140		100	45	ug/L			10/22/23 23:01	100
Xylenes, Total	200	U	200	42	ug/L			10/22/23 23:01	100
Chlorodibromomethane	100	U	100	39	ug/L			10/22/23 23:01	100

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: GW-101023-BE-036

Lab Sample ID: 240-193522-15

Date Collected: 10/10/23 14:55

Matrix: Water

Date Received: 10/13/23 09:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		62 - 137		10/22/23 23:01	100
4-Bromofluorobenzene (Surr)	88		56 - 136		10/22/23 23:01	100
Toluene-d8 (Surr)	92		78 - 122		10/22/23 23:01	100
Dibromofluoromethane (Surr)	99		73 - 120		10/22/23 23:01	100

Client Sample ID: GW-101023-BE-037

Lab Sample ID: 240-193522-16

Date Collected: 10/10/23 16:04

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/20/23 17:33	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			10/20/23 17:33	1
1,1,2-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/20/23 17:33	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			10/20/23 17:33	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			10/20/23 17:33	1
1,2-Dichloroethane	1.0	U	1.0	0.46	ug/L			10/20/23 17:33	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			10/20/23 17:33	1
2-Hexanone	10	U	10	1.1	ug/L			10/20/23 17:33	1
Acetone	10	U	10	5.4	ug/L			10/20/23 17:33	1
Benzene	1.0	U	1.0	0.42	ug/L			10/20/23 17:33	1
Bromoform	1.0	U	1.0	0.76	ug/L			10/20/23 17:33	1
Bromomethane	1.0	U	1.0	0.42	ug/L			10/20/23 17:33	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			10/20/23 17:33	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			10/20/23 17:33	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			10/20/23 17:33	1
Chloroethane	1.0	U	1.0	0.83	ug/L			10/20/23 17:33	1
Chloroform	1.0	U	1.0	0.47	ug/L			10/20/23 17:33	1
Chloromethane	1.0	U	1.0	0.63	ug/L			10/20/23 17:33	1
cis-1,2-Dichloroethene	0.81	J	1.0	0.46	ug/L			10/20/23 17:33	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			10/20/23 17:33	1
Dichlorobromomethane	1.0	U	1.0	0.38	ug/L			10/20/23 17:33	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			10/20/23 17:33	1
2-Butanone (MEK)	10	U	10	1.2	ug/L			10/20/23 17:33	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.99	ug/L			10/20/23 17:33	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			10/20/23 17:33	1
Styrene	1.0	U	1.0	0.45	ug/L			10/20/23 17:33	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			10/20/23 17:33	1
Toluene	1.0	U	1.0	0.44	ug/L			10/20/23 17:33	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			10/20/23 17:33	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			10/20/23 17:33	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			10/20/23 17:33	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			10/20/23 17:33	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			10/20/23 17:33	1
Chlorodibromomethane	1.0	U	1.0	0.39	ug/L			10/20/23 17:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		62 - 137		10/20/23 17:33	1
4-Bromofluorobenzene (Surr)	90		56 - 136		10/20/23 17:33	1
Toluene-d8 (Surr)	94		78 - 122		10/20/23 17:33	1
Dibromofluoromethane (Surr)	95		73 - 120		10/20/23 17:33	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: GW-101123-BE-038

Lab Sample ID: 240-193522-17

Date Collected: 10/11/23 09:10

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/20/23 17:56	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			10/20/23 17:56	1
1,1,2-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/20/23 17:56	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			10/20/23 17:56	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			10/20/23 17:56	1
1,2-Dichloroethane	1.0	U	1.0	0.46	ug/L			10/20/23 17:56	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			10/20/23 17:56	1
2-Hexanone	10	U	10	1.1	ug/L			10/20/23 17:56	1
Acetone	10	U	10	5.4	ug/L			10/20/23 17:56	1
Benzene	1.0	U	1.0	0.42	ug/L			10/20/23 17:56	1
Bromoform	1.0	U	1.0	0.76	ug/L			10/20/23 17:56	1
Bromomethane	1.0	U	1.0	0.42	ug/L			10/20/23 17:56	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			10/20/23 17:56	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			10/20/23 17:56	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			10/20/23 17:56	1
Chloroethane	1.0	U	1.0	0.83	ug/L			10/20/23 17:56	1
Chloroform	1.0	U	1.0	0.47	ug/L			10/20/23 17:56	1
Chloromethane	1.0	U	1.0	0.63	ug/L			10/20/23 17:56	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			10/20/23 17:56	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			10/20/23 17:56	1
Dichlorobromomethane	1.0	U	1.0	0.38	ug/L			10/20/23 17:56	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			10/20/23 17:56	1
2-Butanone (MEK)	10	U	10	1.2	ug/L			10/20/23 17:56	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.99	ug/L			10/20/23 17:56	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			10/20/23 17:56	1
Styrene	1.0	U	1.0	0.45	ug/L			10/20/23 17:56	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			10/20/23 17:56	1
Toluene	1.0	U	1.0	0.44	ug/L			10/20/23 17:56	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			10/20/23 17:56	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			10/20/23 17:56	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			10/20/23 17:56	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			10/20/23 17:56	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			10/20/23 17:56	1
Chlorodibromomethane	1.0	U	1.0	0.39	ug/L			10/20/23 17:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		62 - 137		10/20/23 17:56	1
4-Bromofluorobenzene (Surr)	90		56 - 136		10/20/23 17:56	1
Toluene-d8 (Surr)	92		78 - 122		10/20/23 17:56	1
Dibromofluoromethane (Surr)	95		73 - 120		10/20/23 17:56	1

Client Sample ID: GW-101123-BE-039

Lab Sample ID: 240-193522-18

Date Collected: 10/11/23 10:45

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	50	U	50	24	ug/L			10/20/23 18:21	50
1,1,2,2-Tetrachloroethane	50	U	50	30	ug/L			10/20/23 18:21	50
1,1,2-Trichloroethane	50	U	50	24	ug/L			10/20/23 18:21	50

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: GW-101123-BE-039

Lab Sample ID: 240-193522-18

Date Collected: 10/11/23 10:45

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	140		50	24	ug/L			10/20/23 18:21	50
1,1-Dichloroethene	32	J	50	25	ug/L			10/20/23 18:21	50
1,2-Dichloroethane	50	U	50	23	ug/L			10/20/23 18:21	50
1,2-Dichloropropane	50	U	50	24	ug/L			10/20/23 18:21	50
2-Hexanone	500	U	500	56	ug/L			10/20/23 18:21	50
Acetone	500	U	500	270	ug/L			10/20/23 18:21	50
Benzene	50	U	50	21	ug/L			10/20/23 18:21	50
Bromoform	50	U	50	38	ug/L			10/20/23 18:21	50
Bromomethane	50	U	50	21	ug/L			10/20/23 18:21	50
Carbon disulfide	50	U	50	30	ug/L			10/20/23 18:21	50
Carbon tetrachloride	50	U	50	13	ug/L			10/20/23 18:21	50
Chlorobenzene	50	U	50	19	ug/L			10/20/23 18:21	50
Chloroethane	200		50	42	ug/L			10/20/23 18:21	50
Chloroform	50	U	50	24	ug/L			10/20/23 18:21	50
Chloromethane	50	U	50	32	ug/L			10/20/23 18:21	50
cis-1,2-Dichloroethene	5500		200	92	ug/L			10/22/23 23:25	200
cis-1,3-Dichloropropene	50	U	50	31	ug/L			10/20/23 18:21	50
Dichlorobromomethane	50	U	50	19	ug/L			10/20/23 18:21	50
Ethylbenzene	50	U	50	21	ug/L			10/20/23 18:21	50
2-Butanone (MEK)	500	U	500	58	ug/L			10/20/23 18:21	50
4-Methyl-2-pentanone (MIBK)	500	U	500	50	ug/L			10/20/23 18:21	50
Methylene Chloride	250	U	250	130	ug/L			10/20/23 18:21	50
Styrene	50	U	50	23	ug/L			10/20/23 18:21	50
Tetrachloroethene	50	U	50	22	ug/L			10/20/23 18:21	50
Toluene	50	U	50	22	ug/L			10/20/23 18:21	50
trans-1,2-Dichloroethene	180		50	26	ug/L			10/20/23 18:21	50
trans-1,3-Dichloropropene	50	U	50	34	ug/L			10/20/23 18:21	50
Trichloroethene	50	U	50	22	ug/L			10/20/23 18:21	50
Vinyl chloride	320		50	23	ug/L			10/20/23 18:21	50
Xylenes, Total	100	U	100	21	ug/L			10/20/23 18:21	50
Chlorodibromomethane	50	U	50	20	ug/L			10/20/23 18:21	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		62 - 137		10/20/23 18:21	50
1,2-Dichloroethane-d4 (Surr)	101		62 - 137		10/22/23 23:25	200
4-Bromofluorobenzene (Surr)	90		56 - 136		10/20/23 18:21	50
4-Bromofluorobenzene (Surr)	86		56 - 136		10/22/23 23:25	200
Toluene-d8 (Surr)	94		78 - 122		10/20/23 18:21	50
Toluene-d8 (Surr)	90		78 - 122		10/22/23 23:25	200
Dibromofluoromethane (Surr)	92		73 - 120		10/20/23 18:21	50
Dibromofluoromethane (Surr)	96		73 - 120		10/22/23 23:25	200

Client Sample ID: SW-101123-BE-001

Lab Sample ID: 240-193522-19

Date Collected: 10/11/23 11:07

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	2.4	ug/L			10/20/23 18:45	5
1,1,2,2-Tetrachloroethane	5.0	U	5.0	3.0	ug/L			10/20/23 18:45	5

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: SW-101123-BE-001

Lab Sample ID: 240-193522-19

Date Collected: 10/11/23 11:07

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	5.0	U	5.0	2.4	ug/L			10/20/23 18:45	5
1,1-Dichloroethane	4.6	J	5.0	2.4	ug/L			10/20/23 18:45	5
1,1-Dichloroethene	5.0	U	5.0	2.5	ug/L			10/20/23 18:45	5
1,2-Dichloroethane	5.0	U	5.0	2.3	ug/L			10/20/23 18:45	5
1,2-Dichloropropane	5.0	U	5.0	2.4	ug/L			10/20/23 18:45	5
2-Hexanone	50	U	50	5.6	ug/L			10/20/23 18:45	5
Acetone	50	U	50	27	ug/L			10/20/23 18:45	5
Benzene	5.0	U	5.0	2.1	ug/L			10/20/23 18:45	5
Bromoform	5.0	U	5.0	3.8	ug/L			10/20/23 18:45	5
Bromomethane	2.2	J	5.0	2.1	ug/L			10/20/23 18:45	5
Carbon disulfide	5.0	U	5.0	3.0	ug/L			10/20/23 18:45	5
Carbon tetrachloride	5.0	U	5.0	1.3	ug/L			10/20/23 18:45	5
Chlorobenzene	5.0	U	5.0	1.9	ug/L			10/20/23 18:45	5
Chloroethane	5.0	U	5.0	4.2	ug/L			10/20/23 18:45	5
Chloroform	5.0	U	5.0	2.4	ug/L			10/20/23 18:45	5
Chloromethane	5.0	U	5.0	3.2	ug/L			10/20/23 18:45	5
cis-1,2-Dichloroethene	110		5.0	2.3	ug/L			10/20/23 18:45	5
cis-1,3-Dichloropropene	5.0	U	5.0	3.1	ug/L			10/20/23 18:45	5
Dichlorobromomethane	5.0	U	5.0	1.9	ug/L			10/20/23 18:45	5
Ethylbenzene	5.0	U	5.0	2.1	ug/L			10/20/23 18:45	5
2-Butanone (MEK)	50	U	50	5.8	ug/L			10/20/23 18:45	5
4-Methyl-2-pentanone (MIBK)	50	U	50	5.0	ug/L			10/20/23 18:45	5
Methylene Chloride	25	U	25	13	ug/L			10/20/23 18:45	5
Styrene	5.0	U	5.0	2.3	ug/L			10/20/23 18:45	5
Tetrachloroethene	5.0	U	5.0	2.2	ug/L			10/20/23 18:45	5
Toluene	5.0	U	5.0	2.2	ug/L			10/20/23 18:45	5
trans-1,2-Dichloroethene	5.0	U	5.0	2.6	ug/L			10/20/23 18:45	5
trans-1,3-Dichloropropene	5.0	U	5.0	3.4	ug/L			10/20/23 18:45	5
Trichloroethene	5.0	U	5.0	2.2	ug/L			10/20/23 18:45	5
Vinyl chloride	7.5		5.0	2.3	ug/L			10/20/23 18:45	5
Xylenes, Total	10	U	10	2.1	ug/L			10/20/23 18:45	5
Chlorodibromomethane	5.0	U	5.0	2.0	ug/L			10/20/23 18:45	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		62 - 137		10/20/23 18:45	5
4-Bromofluorobenzene (Surr)	89		56 - 136		10/20/23 18:45	5
Toluene-d8 (Surr)	92		78 - 122		10/20/23 18:45	5
Dibromofluoromethane (Surr)	95		73 - 120		10/20/23 18:45	5

Client Sample ID: SW-101123-BE-002

Lab Sample ID: 240-193522-20

Date Collected: 10/11/23 11:14

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	2.4	ug/L			10/20/23 19:09	5
1,1,2,2-Tetrachloroethane	5.0	U	5.0	3.0	ug/L			10/20/23 19:09	5
1,1,2-Trichloroethane	5.0	U	5.0	2.4	ug/L			10/20/23 19:09	5
1,1-Dichloroethane	11		5.0	2.4	ug/L			10/20/23 19:09	5
1,1-Dichloroethene	5.0	U	5.0	2.5	ug/L			10/20/23 19:09	5

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: SW-101123-BE-002

Lab Sample ID: 240-193522-20

Date Collected: 10/11/23 11:14

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	5.0	U	5.0	2.3	ug/L			10/20/23 19:09	5
1,2-Dichloropropane	5.0	U	5.0	2.4	ug/L			10/20/23 19:09	5
2-Hexanone	50	U	50	5.6	ug/L			10/20/23 19:09	5
Acetone	50	U	50	27	ug/L			10/20/23 19:09	5
Benzene	5.0	U	5.0	2.1	ug/L			10/20/23 19:09	5
Bromoform	5.0	U	5.0	3.8	ug/L			10/20/23 19:09	5
Bromomethane	5.0	U	5.0	2.1	ug/L			10/20/23 19:09	5
Carbon disulfide	5.0	U	5.0	3.0	ug/L			10/20/23 19:09	5
Carbon tetrachloride	5.0	U	5.0	1.3	ug/L			10/20/23 19:09	5
Chlorobenzene	5.0	U	5.0	1.9	ug/L			10/20/23 19:09	5
Chloroethane	5.0	U	5.0	4.2	ug/L			10/20/23 19:09	5
Chloroform	5.0	U	5.0	2.4	ug/L			10/20/23 19:09	5
Chloromethane	5.0	U	5.0	3.2	ug/L			10/20/23 19:09	5
cis-1,2-Dichloroethene	260		5.0	2.3	ug/L			10/20/23 19:09	5
cis-1,3-Dichloropropene	5.0	U	5.0	3.1	ug/L			10/20/23 19:09	5
Dichlorobromomethane	5.0	U	5.0	1.9	ug/L			10/20/23 19:09	5
Ethylbenzene	5.0	U	5.0	2.1	ug/L			10/20/23 19:09	5
2-Butanone (MEK)	50	U	50	5.8	ug/L			10/20/23 19:09	5
4-Methyl-2-pentanone (MIBK)	50	U	50	5.0	ug/L			10/20/23 19:09	5
Methylene Chloride	25	U	25	13	ug/L			10/20/23 19:09	5
Styrene	5.0	U	5.0	2.3	ug/L			10/20/23 19:09	5
Tetrachloroethene	5.0	U	5.0	2.2	ug/L			10/20/23 19:09	5
Toluene	5.0	U	5.0	2.2	ug/L			10/20/23 19:09	5
trans-1,2-Dichloroethene	5.1		5.0	2.6	ug/L			10/20/23 19:09	5
trans-1,3-Dichloropropene	5.0	U	5.0	3.4	ug/L			10/20/23 19:09	5
Trichloroethene	5.0	U	5.0	2.2	ug/L			10/20/23 19:09	5
Vinyl chloride	15		5.0	2.3	ug/L			10/20/23 19:09	5
Xylenes, Total	10	U	10	2.1	ug/L			10/20/23 19:09	5
Chlorodibromomethane	5.0	U	5.0	2.0	ug/L			10/20/23 19:09	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		62 - 137		10/20/23 19:09	5
4-Bromofluorobenzene (Surr)	87		56 - 136		10/20/23 19:09	5
Toluene-d8 (Surr)	91		78 - 122		10/20/23 19:09	5
Dibromofluoromethane (Surr)	92		73 - 120		10/20/23 19:09	5

Client Sample ID: SW-101123-BE-003

Lab Sample ID: 240-193522-21

Date Collected: 10/11/23 11:24

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	3.3	U	3.3	1.6	ug/L			10/20/23 19:32	3.33333
1,1,2,2-Tetrachloroethane	3.3	U	3.3	2.0	ug/L			10/20/23 19:32	3.33333
1,1,2-Trichloroethane	3.3	U	3.3	1.6	ug/L			10/20/23 19:32	3.33333
1,1-Dichloroethane	1.7	J	3.3	1.6	ug/L			10/20/23 19:32	3.33333
1,1-Dichloroethene	3.3	U	3.3	1.6	ug/L			10/20/23 19:32	3.33333
1,2-Dichloroethane	3.3	U	3.3	1.5	ug/L			10/20/23 19:32	3.33333
1,2-Dichloropropane	3.3	U	3.3	1.6	ug/L			10/20/23 19:32	3.33333
2-Hexanone	33	U	33	3.7	ug/L			10/20/23 19:32	3.33333

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: SW-101123-BE-003

Lab Sample ID: 240-193522-21

Date Collected: 10/11/23 11:24

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	33	U	33	18	ug/L			10/20/23 19:32	3.33333
Benzene	3.3	U	3.3	1.4	ug/L			10/20/23 19:32	3.33333
Bromoform	3.3	U	3.3	2.5	ug/L			10/20/23 19:32	3.33333
Bromomethane	3.3	U	3.3	1.4	ug/L			10/20/23 19:32	3.33333
Carbon disulfide	3.3	U	3.3	2.0	ug/L			10/20/23 19:32	3.33333
Carbon tetrachloride	3.3	U	3.3	0.87	ug/L			10/20/23 19:32	3.33333
Chlorobenzene	3.3	U	3.3	1.3	ug/L			10/20/23 19:32	3.33333
Chloroethane	3.3	U	3.3	2.8	ug/L			10/20/23 19:32	3.33333
Chloroform	3.3	U	3.3	1.6	ug/L			10/20/23 19:32	3.33333
Chloromethane	3.3	U	3.3	2.1	ug/L			10/20/23 19:32	3.33333
cis-1,2-Dichloroethene	45		3.3	1.5	ug/L			10/20/23 19:32	3.33333
cis-1,3-Dichloropropene	3.3	U	3.3	2.0	ug/L			10/20/23 19:32	3.33333
Dichlorobromomethane	3.3	U	3.3	1.3	ug/L			10/20/23 19:32	3.33333
Ethylbenzene	3.3	U	3.3	1.4	ug/L			10/20/23 19:32	3.33333
2-Butanone (MEK)	33	U	33	3.9	ug/L			10/20/23 19:32	3.33333
4-Methyl-2-pentanone (MIBK)	33	U	33	3.3	ug/L			10/20/23 19:32	3.33333
Methylene Chloride	17	U	17	8.7	ug/L			10/20/23 19:32	3.33333
Styrene	3.3	U	3.3	1.5	ug/L			10/20/23 19:32	3.33333
Tetrachloroethene	3.3	U	3.3	1.5	ug/L			10/20/23 19:32	3.33333
Toluene	3.3	U	3.3	1.5	ug/L			10/20/23 19:32	3.33333
trans-1,2-Dichloroethene	3.3	U	3.3	1.7	ug/L			10/20/23 19:32	3.33333
trans-1,3-Dichloropropene	3.3	U	3.3	2.2	ug/L			10/20/23 19:32	3.33333
Trichloroethene	3.3	U	3.3	1.5	ug/L			10/20/23 19:32	3.33333
Vinyl chloride	2.5 J		3.3	1.5	ug/L			10/20/23 19:32	3.33333
Xylenes, Total	6.7	U	6.7	1.4	ug/L			10/20/23 19:32	3.33333
Chlorodibromomethane	3.3	U	3.3	1.3	ug/L			10/20/23 19:32	3.33333

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		62 - 137		10/20/23 19:32	3.33333
4-Bromofluorobenzene (Surr)	86		56 - 136		10/20/23 19:32	3.33333
Toluene-d8 (Surr)	91		78 - 122		10/20/23 19:32	3.33333
Dibromofluoromethane (Surr)	94		73 - 120		10/20/23 19:32	3.33333

Client Sample ID: GW-101123-BE-040

Lab Sample ID: 240-193522-22

Date Collected: 10/11/23 11:58

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	10	U	10	4.8	ug/L			10/20/23 19:57	10
1,1,2,2-Tetrachloroethane	10	U	10	6.0	ug/L			10/20/23 19:57	10
1,1,2-Trichloroethane	10	U	10	4.8	ug/L			10/20/23 19:57	10
1,1-Dichloroethane	10	U	10	4.7	ug/L			10/20/23 19:57	10
1,1-Dichloroethene	10	U	10	4.9	ug/L			10/20/23 19:57	10
1,2-Dichloroethane	10	U	10	4.6	ug/L			10/20/23 19:57	10
1,2-Dichloropropane	10	U	10	4.7	ug/L			10/20/23 19:57	10
2-Hexanone	100	U	100	11	ug/L			10/20/23 19:57	10
Acetone	100	U	100	54	ug/L			10/20/23 19:57	10
Benzene	10	U	10	4.2	ug/L			10/20/23 19:57	10
Bromoform	10	U	10	7.6	ug/L			10/20/23 19:57	10

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: GW-101123-BE-040

Lab Sample ID: 240-193522-22

Date Collected: 10/11/23 11:58

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	10	U	10	4.2	ug/L			10/20/23 19:57	10
Carbon disulfide	10	U	10	5.9	ug/L			10/20/23 19:57	10
Carbon tetrachloride	10	U	10	2.6	ug/L			10/20/23 19:57	10
Chlorobenzene	10	U	10	3.8	ug/L			10/20/23 19:57	10
Chloroethane	10	U	10	8.3	ug/L			10/20/23 19:57	10
Chloroform	10	U	10	4.7	ug/L			10/20/23 19:57	10
Chloromethane	10	U	10	6.3	ug/L			10/20/23 19:57	10
cis-1,2-Dichloroethene	150		10	4.6	ug/L			10/20/23 19:57	10
cis-1,3-Dichloropropene	10	U	10	6.1	ug/L			10/20/23 19:57	10
Dichlorobromomethane	10	U	10	3.8	ug/L			10/20/23 19:57	10
Ethylbenzene	10	U	10	4.2	ug/L			10/20/23 19:57	10
2-Butanone (MEK)	100	U	100	12	ug/L			10/20/23 19:57	10
4-Methyl-2-pentanone (MIBK)	100	U	100	9.9	ug/L			10/20/23 19:57	10
Methylene Chloride	50	U	50	26	ug/L			10/20/23 19:57	10
Styrene	10	U	10	4.5	ug/L			10/20/23 19:57	10
Tetrachloroethene	10	U	10	4.4	ug/L			10/20/23 19:57	10
Toluene	10	U	10	4.4	ug/L			10/20/23 19:57	10
trans-1,2-Dichloroethene	10	U	10	5.1	ug/L			10/20/23 19:57	10
trans-1,3-Dichloropropene	10	U	10	6.7	ug/L			10/20/23 19:57	10
Trichloroethene	10	U	10	4.4	ug/L			10/20/23 19:57	10
Vinyl chloride	1300		50	23	ug/L			10/22/23 23:49	50
Xylenes, Total	20	U	20	4.2	ug/L			10/20/23 19:57	10
Chlorodibromomethane	10	U	10	3.9	ug/L			10/20/23 19:57	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		62 - 137		10/20/23 19:57	10
1,2-Dichloroethane-d4 (Surr)	102		62 - 137		10/22/23 23:49	50
4-Bromofluorobenzene (Surr)	87		56 - 136		10/20/23 19:57	10
4-Bromofluorobenzene (Surr)	87		56 - 136		10/22/23 23:49	50
Toluene-d8 (Surr)	92		78 - 122		10/20/23 19:57	10
Toluene-d8 (Surr)	90		78 - 122		10/22/23 23:49	50
Dibromofluoromethane (Surr)	92		73 - 120		10/20/23 19:57	10
Dibromofluoromethane (Surr)	96		73 - 120		10/22/23 23:49	50

Client Sample ID: EB-101123-BE-004

Lab Sample ID: 240-193522-23

Date Collected: 10/11/23 12:45

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/20/23 20:20	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			10/20/23 20:20	1
1,1,2-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/20/23 20:20	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			10/20/23 20:20	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			10/20/23 20:20	1
1,2-Dichloroethane	1.0	U	1.0	0.46	ug/L			10/20/23 20:20	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			10/20/23 20:20	1
2-Hexanone	10	U	10	1.1	ug/L			10/20/23 20:20	1
Acetone	10	U	10	5.4	ug/L			10/20/23 20:20	1
Benzene	1.0	U	1.0	0.42	ug/L			10/20/23 20:20	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: EB-101123-BE-004

Lab Sample ID: 240-193522-23

Date Collected: 10/11/23 12:45

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	1.0	U	1.0	0.76	ug/L			10/20/23 20:20	1
Bromomethane	1.0	U	1.0	0.42	ug/L			10/20/23 20:20	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			10/20/23 20:20	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			10/20/23 20:20	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			10/20/23 20:20	1
Chloroethane	1.0	U	1.0	0.83	ug/L			10/20/23 20:20	1
Chloroform	1.0	U	1.0	0.47	ug/L			10/20/23 20:20	1
Chloromethane	1.0	U	1.0	0.63	ug/L			10/20/23 20:20	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			10/20/23 20:20	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			10/20/23 20:20	1
Dichlorobromomethane	1.0	U	1.0	0.38	ug/L			10/20/23 20:20	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			10/20/23 20:20	1
2-Butanone (MEK)	10	U	10	1.2	ug/L			10/20/23 20:20	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.99	ug/L			10/20/23 20:20	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			10/20/23 20:20	1
Styrene	1.0	U	1.0	0.45	ug/L			10/20/23 20:20	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			10/20/23 20:20	1
Toluene	1.0	U	1.0	0.44	ug/L			10/20/23 20:20	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			10/20/23 20:20	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			10/20/23 20:20	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			10/20/23 20:20	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			10/20/23 20:20	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			10/20/23 20:20	1
Chlorodibromomethane	1.0	U	1.0	0.39	ug/L			10/20/23 20:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		62 - 137		10/20/23 20:20	1
4-Bromofluorobenzene (Surr)	87		56 - 136		10/20/23 20:20	1
Toluene-d8 (Surr)	91		78 - 122		10/20/23 20:20	1
Dibromofluoromethane (Surr)	94		73 - 120		10/20/23 20:20	1

Client Sample ID: GW-101123-BE-041

Lab Sample ID: 240-193522-24

Date Collected: 10/11/23 13:30

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	160		20	9.6	ug/L			10/23/23 00:13	20
1,1,2,2-Tetrachloroethane	20	U	20	12	ug/L			10/23/23 00:13	20
1,1,2-Trichloroethane	20	U	20	9.6	ug/L			10/23/23 00:13	20
1,1-Dichloroethane	50		20	9.4	ug/L			10/23/23 00:13	20
1,1-Dichloroethene	20	U	20	9.8	ug/L			10/23/23 00:13	20
1,2-Dichloroethane	20	U	20	9.1	ug/L			10/23/23 00:13	20
1,2-Dichloropropane	20	U	20	9.4	ug/L			10/23/23 00:13	20
2-Hexanone	200	U	200	22	ug/L			10/23/23 00:13	20
Acetone	200	U	200	110	ug/L			10/23/23 00:13	20
Benzene	20	U	20	8.4	ug/L			10/23/23 00:13	20
Bromoform	20	U	20	15	ug/L			10/23/23 00:13	20
Bromomethane	20	U	20	8.4	ug/L			10/23/23 00:13	20
Carbon disulfide	20	U	20	12	ug/L			10/23/23 00:13	20

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: GW-101123-BE-041

Lab Sample ID: 240-193522-24

Date Collected: 10/11/23 13:30

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	20	U	20	5.2	ug/L			10/23/23 00:13	20
Chlorobenzene	20	U	20	7.6	ug/L			10/23/23 00:13	20
Chloroethane	20	U	20	17	ug/L			10/23/23 00:13	20
Chloroform	20	U	20	9.4	ug/L			10/23/23 00:13	20
Chloromethane	20	U	20	13	ug/L			10/23/23 00:13	20
cis-1,2-Dichloroethene	210		20	9.2	ug/L			10/23/23 00:13	20
cis-1,3-Dichloropropene	20	U	20	12	ug/L			10/23/23 00:13	20
Dichlorobromomethane	20	U	20	7.5	ug/L			10/23/23 00:13	20
Ethylbenzene	20	U	20	8.4	ug/L			10/23/23 00:13	20
2-Butanone (MEK)	200	U	200	23	ug/L			10/23/23 00:13	20
4-Methyl-2-pentanone (MIBK)	200	U	200	20	ug/L			10/23/23 00:13	20
Methylene Chloride	100	U	100	52	ug/L			10/23/23 00:13	20
Styrene	20	U	20	9.0	ug/L			10/23/23 00:13	20
Tetrachloroethene	20	U	20	8.8	ug/L			10/23/23 00:13	20
Toluene	20	U	20	8.8	ug/L			10/23/23 00:13	20
trans-1,2-Dichloroethene	20	U	20	10	ug/L			10/23/23 00:13	20
trans-1,3-Dichloropropene	20	U	20	13	ug/L			10/23/23 00:13	20
Trichloroethene	800		20	8.8	ug/L			10/23/23 00:13	20
Vinyl chloride	20	U	20	9.0	ug/L			10/23/23 00:13	20
Xylenes, Total	40	U	40	8.4	ug/L			10/23/23 00:13	20
Chlorodibromomethane	20	U	20	7.8	ug/L			10/23/23 00:13	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		62 - 137		10/23/23 00:13	20
4-Bromofluorobenzene (Surr)	87		56 - 136		10/23/23 00:13	20
Toluene-d8 (Surr)	92		78 - 122		10/23/23 00:13	20
Dibromofluoromethane (Surr)	96		73 - 120		10/23/23 00:13	20

Client Sample ID: GW-101223-BE-042

Lab Sample ID: 240-193522-25

Date Collected: 10/12/23 09:46

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/23/23 00:37	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			10/23/23 00:37	1
1,1,2-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/23/23 00:37	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			10/23/23 00:37	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			10/23/23 00:37	1
1,2-Dichloroethane	1.0	U	1.0	0.46	ug/L			10/23/23 00:37	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			10/23/23 00:37	1
2-Hexanone	10	U	10	1.1	ug/L			10/23/23 00:37	1
Acetone	10	U	10	5.4	ug/L			10/23/23 00:37	1
Benzene	1.0	U	1.0	0.42	ug/L			10/23/23 00:37	1
Bromoform	1.0	U	1.0	0.76	ug/L			10/23/23 00:37	1
Bromomethane	1.0	U	1.0	0.42	ug/L			10/23/23 00:37	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			10/23/23 00:37	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			10/23/23 00:37	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			10/23/23 00:37	1
Chloroethane	1.0	U	1.0	0.83	ug/L			10/23/23 00:37	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: GW-101223-BE-042

Lab Sample ID: 240-193522-25

Date Collected: 10/12/23 09:46

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	1.0	U	1.0	0.47	ug/L			10/23/23 00:37	1
Chloromethane	1.0	U	1.0	0.63	ug/L			10/23/23 00:37	1
cis-1,2-Dichloroethene	1.5		1.0	0.46	ug/L			10/23/23 00:37	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			10/23/23 00:37	1
Dichlorobromomethane	1.0	U	1.0	0.38	ug/L			10/23/23 00:37	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			10/23/23 00:37	1
2-Butanone (MEK)	10	U	10	1.2	ug/L			10/23/23 00:37	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.99	ug/L			10/23/23 00:37	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			10/23/23 00:37	1
Styrene	1.0	U	1.0	0.45	ug/L			10/23/23 00:37	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			10/23/23 00:37	1
Toluene	1.0	U	1.0	0.44	ug/L			10/23/23 00:37	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			10/23/23 00:37	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			10/23/23 00:37	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			10/23/23 00:37	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			10/23/23 00:37	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			10/23/23 00:37	1
Chlorodibromomethane	1.0	U	1.0	0.39	ug/L			10/23/23 00:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		62 - 137		10/23/23 00:37	1
4-Bromofluorobenzene (Surr)	86		56 - 136		10/23/23 00:37	1
Toluene-d8 (Surr)	91		78 - 122		10/23/23 00:37	1
Dibromofluoromethane (Surr)	95		73 - 120		10/23/23 00:37	1

Client Sample ID: GW-101223-BE-043

Lab Sample ID: 240-193522-26

Date Collected: 10/12/23 11:10

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/23/23 01:01	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			10/23/23 01:01	1
1,1,2-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/23/23 01:01	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			10/23/23 01:01	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			10/23/23 01:01	1
1,2-Dichloroethane	1.0	U	1.0	0.46	ug/L			10/23/23 01:01	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			10/23/23 01:01	1
2-Hexanone	10	U	10	1.1	ug/L			10/23/23 01:01	1
Acetone	10	U	10	5.4	ug/L			10/23/23 01:01	1
Benzene	1.0	U	1.0	0.42	ug/L			10/23/23 01:01	1
Bromoform	1.0	U	1.0	0.76	ug/L			10/23/23 01:01	1
Bromomethane	1.0	U	1.0	0.42	ug/L			10/23/23 01:01	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			10/23/23 01:01	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			10/23/23 01:01	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			10/23/23 01:01	1
Chloroethane	1.0	U	1.0	0.83	ug/L			10/23/23 01:01	1
Chloroform	1.0	U	1.0	0.47	ug/L			10/23/23 01:01	1
Chloromethane	1.0	U	1.0	0.63	ug/L			10/23/23 01:01	1
cis-1,2-Dichloroethene	10		1.0	0.46	ug/L			10/23/23 01:01	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: GW-101223-BE-043

Lab Sample ID: 240-193522-26

Date Collected: 10/12/23 11:10

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			10/23/23 01:01	1
Dichlorobromomethane	1.0	U	1.0	0.38	ug/L			10/23/23 01:01	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			10/23/23 01:01	1
2-Butanone (MEK)	3.9	J	10	1.2	ug/L			10/23/23 01:01	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.99	ug/L			10/23/23 01:01	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			10/23/23 01:01	1
Styrene	1.0	U	1.0	0.45	ug/L			10/23/23 01:01	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			10/23/23 01:01	1
Toluene	1.0	U	1.0	0.44	ug/L			10/23/23 01:01	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			10/23/23 01:01	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			10/23/23 01:01	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			10/23/23 01:01	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			10/23/23 01:01	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			10/23/23 01:01	1
Chlorodibromomethane	1.0	U	1.0	0.39	ug/L			10/23/23 01:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		62 - 137		10/23/23 01:01	1
4-Bromofluorobenzene (Surr)	86		56 - 136		10/23/23 01:01	1
Toluene-d8 (Surr)	90		78 - 122		10/23/23 01:01	1
Dibromofluoromethane (Surr)	98		73 - 120		10/23/23 01:01	1

Client Sample ID: GW-101223-BE-044

Lab Sample ID: 240-193522-27

Date Collected: 10/12/23 12:26

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/21/23 14:12	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			10/21/23 14:12	1
1,1,2-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/21/23 14:12	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			10/21/23 14:12	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			10/21/23 14:12	1
1,2-Dichloroethane	1.0	U	1.0	0.46	ug/L			10/21/23 14:12	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			10/21/23 14:12	1
2-Hexanone	10	U	10	1.1	ug/L			10/21/23 14:12	1
Acetone	11		10	5.4	ug/L			10/21/23 14:12	1
Benzene	1.0	U	1.0	0.42	ug/L			10/21/23 14:12	1
Bromoform	1.0	U	1.0	0.76	ug/L			10/21/23 14:12	1
Bromomethane	1.0	U	1.0	0.42	ug/L			10/21/23 14:12	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			10/21/23 14:12	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			10/21/23 14:12	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			10/21/23 14:12	1
Chloroethane	1.0	U	1.0	0.83	ug/L			10/21/23 14:12	1
Chloroform	1.0	U	1.0	0.47	ug/L			10/21/23 14:12	1
Chloromethane	1.0	U	1.0	0.63	ug/L			10/21/23 14:12	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			10/21/23 14:12	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			10/21/23 14:12	1
Dichlorobromomethane	1.0	U	1.0	0.38	ug/L			10/21/23 14:12	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			10/21/23 14:12	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: GW-101223-BE-044

Lab Sample ID: 240-193522-27

Date Collected: 10/12/23 12:26

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	8.6	J	10	1.2	ug/L			10/21/23 14:12	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.99	ug/L			10/21/23 14:12	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			10/21/23 14:12	1
Styrene	1.0	U	1.0	0.45	ug/L			10/21/23 14:12	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			10/21/23 14:12	1
Toluene	1.0	U	1.0	0.44	ug/L			10/21/23 14:12	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			10/21/23 14:12	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			10/21/23 14:12	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			10/21/23 14:12	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			10/21/23 14:12	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			10/21/23 14:12	1
Chlorodibromomethane	1.0	U	1.0	0.39	ug/L			10/21/23 14:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		62 - 137		10/21/23 14:12	1
4-Bromofluorobenzene (Surr)	62		56 - 136		10/21/23 14:12	1
Toluene-d8 (Surr)	93		78 - 122		10/21/23 14:12	1
Dibromofluoromethane (Surr)	98		73 - 120		10/21/23 14:12	1

Client Sample ID: GW-101223-BE-045

Lab Sample ID: 240-193522-28

Date Collected: 10/12/23 15:12

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/21/23 14:35	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			10/21/23 14:35	1
1,1,2-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/21/23 14:35	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			10/21/23 14:35	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			10/21/23 14:35	1
1,2-Dichloroethane	1.0	U	1.0	0.46	ug/L			10/21/23 14:35	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			10/21/23 14:35	1
2-Hexanone	10	U	10	1.1	ug/L			10/21/23 14:35	1
Acetone	7.7	J	10	5.4	ug/L			10/21/23 14:35	1
Benzene	1.0	U	1.0	0.42	ug/L			10/21/23 14:35	1
Bromoform	1.0	U	1.0	0.76	ug/L			10/21/23 14:35	1
Bromomethane	1.0	U	1.0	0.42	ug/L			10/21/23 14:35	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			10/21/23 14:35	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			10/21/23 14:35	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			10/21/23 14:35	1
Chloroethane	1.0	U	1.0	0.83	ug/L			10/21/23 14:35	1
Chloroform	1.0	U	1.0	0.47	ug/L			10/21/23 14:35	1
Chloromethane	1.0	U	1.0	0.63	ug/L			10/21/23 14:35	1
cis-1,2-Dichloroethene	0.78	J	1.0	0.46	ug/L			10/21/23 14:35	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			10/21/23 14:35	1
Dichlorobromomethane	1.0	U	1.0	0.38	ug/L			10/21/23 14:35	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			10/21/23 14:35	1
2-Butanone (MEK)	10	U	10	1.2	ug/L			10/21/23 14:35	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.99	ug/L			10/21/23 14:35	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			10/21/23 14:35	1

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Client Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: GW-101223-BE-045

Lab Sample ID: 240-193522-28

Date Collected: 10/12/23 15:12

Matrix: Water

Date Received: 10/13/23 09:40

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	1.0	U	1.0	0.45	ug/L			10/21/23 14:35	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			10/21/23 14:35	1
Toluene	1.0	U	1.0	0.44	ug/L			10/21/23 14:35	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			10/21/23 14:35	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			10/21/23 14:35	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			10/21/23 14:35	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			10/21/23 14:35	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			10/21/23 14:35	1
Chlorodibromomethane	1.0	U	1.0	0.39	ug/L			10/21/23 14:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		62 - 137					10/21/23 14:35	1
4-Bromofluorobenzene (Surr)	72		56 - 136					10/21/23 14:35	1
Toluene-d8 (Surr)	97		78 - 122					10/21/23 14:35	1
Dibromofluoromethane (Surr)	103		73 - 120					10/21/23 14:35	1

Surrogate Summary

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (62-137)	BFB (56-136)	TOL (78-122)	DBFM (73-120)
240-193522-1	GW-100923-BE-024	119	80	108	113
240-193522-2	GW-100923-BE-025	114	81	109	111
240-193522-3	GW-100923-BE-026	117	82	107	110
240-193522-4	GW-100923-BE-027	120	82	108	116
240-193522-4	GW-100923-BE-027	117	84	113	112
240-193522-5	GW-100923-BE-028	114	83	109	109
240-193522-5	GW-100923-BE-028	115	84	110	110
240-193522-6	EB-100923-BE-003	121	80	109	113
240-193522-7	GW-100923-BE-029	118	82	108	109
240-193522-8	TB-100923-BE-002	118	84	109	113
240-193522-9	GW-101023-BE-030	119	82	110	113
240-193522-10	GW-101023-BE-031	119	82	110	112
240-193522-11	GW-101023-BE-032	113	79	106	109
240-193522-12	GW-101023-BE-033	115	81	108	110
240-193522-13	GW-101023-BE-034	114	83	111	109
240-193522-14	GW-101023-BE-035	100	86	89	93
240-193522-15	GW-101023-BE-036	104	88	92	99
240-193522-16	GW-101023-BE-037	102	90	94	95
240-193522-17	GW-101123-BE-038	103	90	92	95
240-193522-17 MS	GW-101123-BE-038	98	94	95	92
240-193522-17 MSD	GW-101123-BE-038	96	92	93	89
240-193522-18	GW-101123-BE-039	101	90	94	92
240-193522-18	GW-101123-BE-039	101	86	90	96
240-193522-19	SW-101123-BE-001	104	89	92	95
240-193522-20	SW-101123-BE-002	102	87	91	92
240-193522-21	SW-101123-BE-003	103	86	91	94
240-193522-22	GW-101123-BE-040	101	87	92	92
240-193522-22	GW-101123-BE-040	102	87	90	96
240-193522-23	EB-101123-BE-004	103	87	91	94
240-193522-24	GW-101123-BE-041	102	87	92	96
240-193522-25	GW-101223-BE-042	102	86	91	95
240-193522-26	GW-101223-BE-043	103	86	90	98
240-193522-27	GW-101223-BE-044	94	62	93	98
240-193522-28	GW-101223-BE-045	100	72	97	103
LCS 240-591496/5	Lab Control Sample	106	101	112	110
LCS 240-591677/5	Lab Control Sample	104	102	114	108
LCS 240-591678/5	Lab Control Sample	97	96	99	92
LCS 240-591728/5	Lab Control Sample	98	79	102	100
LCS 240-591760/5	Lab Control Sample	94	90	92	91
LCS 240-591763/5	Lab Control Sample	103	101	113	106
LCS 240-591927/5	Lab Control Sample	94	90	94	89
MB 240-591496/8	Method Blank	115	85	109	111
MB 240-591677/8	Method Blank	112	85	108	107
MB 240-591678/8	Method Blank	102	90	94	94
MB 240-591728/9	Method Blank	97	66	98	102
MB 240-591760/8	Method Blank	102	86	88	95
MB 240-591763/8	Method Blank	114	85	109	109
MB 240-591927/8	Method Blank	103	89	92	95

Surrogate Legend

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Surrogate Summary

Client: GHD Services Inc.

Job ID: 240-193522-1

Project/Site: 11209506, MLK - Anderson, IN

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

TOL = Toluene-d8 (Surr)

DBFM = Dibromofluoromethane (Surr)

QC Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 240-591496/8

Matrix: Water

Analysis Batch: 591496

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/19/23 16:09	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			10/19/23 16:09	1
1,1,2-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/19/23 16:09	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			10/19/23 16:09	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			10/19/23 16:09	1
1,2-Dichloroethane	1.0	U	1.0	0.46	ug/L			10/19/23 16:09	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			10/19/23 16:09	1
2-Hexanone	10	U	10	1.1	ug/L			10/19/23 16:09	1
Acetone	10	U	10	5.4	ug/L			10/19/23 16:09	1
Benzene	1.0	U	1.0	0.42	ug/L			10/19/23 16:09	1
Bromoform	1.0	U	1.0	0.76	ug/L			10/19/23 16:09	1
Bromomethane	1.0	U	1.0	0.42	ug/L			10/19/23 16:09	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			10/19/23 16:09	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			10/19/23 16:09	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			10/19/23 16:09	1
Chloroethane	1.0	U	1.0	0.83	ug/L			10/19/23 16:09	1
Chloroform	1.0	U	1.0	0.47	ug/L			10/19/23 16:09	1
Chloromethane	1.0	U	1.0	0.63	ug/L			10/19/23 16:09	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			10/19/23 16:09	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			10/19/23 16:09	1
Dichlorobromomethane	1.0	U	1.0	0.38	ug/L			10/19/23 16:09	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			10/19/23 16:09	1
2-Butanone (MEK)	10	U	10	1.2	ug/L			10/19/23 16:09	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.99	ug/L			10/19/23 16:09	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			10/19/23 16:09	1
Styrene	1.0	U	1.0	0.45	ug/L			10/19/23 16:09	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			10/19/23 16:09	1
Toluene	1.0	U	1.0	0.44	ug/L			10/19/23 16:09	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			10/19/23 16:09	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			10/19/23 16:09	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			10/19/23 16:09	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			10/19/23 16:09	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			10/19/23 16:09	1
Chlorodibromomethane	1.0	U	1.0	0.39	ug/L			10/19/23 16:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		62 - 137		10/19/23 16:09	1
4-Bromofluorobenzene (Surr)	85		56 - 136		10/19/23 16:09	1
Toluene-d8 (Surr)	109		78 - 122		10/19/23 16:09	1
Dibromofluoromethane (Surr)	111		73 - 120		10/19/23 16:09	1

Lab Sample ID: LCS 240-591496/5

Matrix: Water

Analysis Batch: 591496

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	23.9		ug/L		96	64 - 131
1,1,2,2-Tetrachloroethane	25.0	25.6		ug/L		102	58 - 157

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-591496/5

Matrix: Water

Analysis Batch: 591496

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2-Trichloroethane	25.0	27.9		ug/L		112	70 - 138
1,1-Dichloroethane	25.0	25.4		ug/L		101	72 - 127
1,1-Dichloroethene	25.0	29.4		ug/L		117	63 - 134
1,2-Dichloroethane	25.0	25.1		ug/L		100	66 - 128
1,2-Dichloropropane	25.0	26.8		ug/L		107	75 - 133
2-Hexanone	50.0	59.0		ug/L		118	43 - 167
Acetone	50.0	57.6		ug/L		115	50 - 149
Benzene	25.0	27.1		ug/L		108	77 - 123
Bromoform	25.0	23.0		ug/L		92	57 - 129
Bromomethane	12.5	10.2		ug/L		82	36 - 142
Carbon disulfide	25.0	24.8		ug/L		99	43 - 140
Carbon tetrachloride	25.0	24.1		ug/L		96	55 - 137
Chlorobenzene	25.0	27.3		ug/L		109	80 - 121
Chloroethane	12.5	11.6		ug/L		92	38 - 152
Chloroform	25.0	25.3		ug/L		101	74 - 122
Chloromethane	12.5	10.6		ug/L		85	47 - 143
cis-1,2-Dichloroethene	25.0	25.1		ug/L		100	77 - 123
cis-1,3-Dichloropropene	25.0	22.8		ug/L		91	64 - 130
Dichlorobromomethane	25.0	23.6		ug/L		94	69 - 126
Ethylbenzene	25.0	27.0		ug/L		108	80 - 121
m-Xylene & p-Xylene	25.0	27.2		ug/L		109	80 - 120
2-Butanone (MEK)	50.0	52.7		ug/L		105	54 - 156
4-Methyl-2-pentanone (MIBK)	50.0	55.0		ug/L		110	46 - 158
Methylene Chloride	25.0	27.0		ug/L		108	71 - 125
o-Xylene	25.0	26.2		ug/L		105	80 - 123
Styrene	25.0	29.5		ug/L		118	80 - 135
Tetrachloroethene	25.0	28.5		ug/L		114	76 - 123
Toluene	25.0	26.9		ug/L		108	80 - 123
trans-1,2-Dichloroethene	25.0	26.2		ug/L		105	75 - 124
trans-1,3-Dichloropropene	25.0	24.3		ug/L		97	57 - 129
Trichloroethene	25.0	25.6		ug/L		102	70 - 122
Vinyl chloride	12.5	9.99		ug/L		80	60 - 144
Xylenes, Total	50.0	53.4		ug/L		107	80 - 121
Chlorodibromomethane	25.0	24.8		ug/L		99	70 - 124

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		62 - 137
4-Bromofluorobenzene (Surr)	101		56 - 136
Toluene-d8 (Surr)	112		78 - 122
Dibromofluoromethane (Surr)	110		73 - 120

Lab Sample ID: MB 240-591677/8

Matrix: Water

Analysis Batch: 591677

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/20/23 16:00	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			10/20/23 16:00	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-591677/8

Matrix: Water

Analysis Batch: 591677

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/20/23 16:00	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			10/20/23 16:00	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			10/20/23 16:00	1
1,2-Dichloroethane	1.0	U	1.0	0.46	ug/L			10/20/23 16:00	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			10/20/23 16:00	1
2-Hexanone	10	U	10	1.1	ug/L			10/20/23 16:00	1
Acetone	10	U	10	5.4	ug/L			10/20/23 16:00	1
Benzene	1.0	U	1.0	0.42	ug/L			10/20/23 16:00	1
Bromoform	1.0	U	1.0	0.76	ug/L			10/20/23 16:00	1
Bromomethane	1.0	U	1.0	0.42	ug/L			10/20/23 16:00	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			10/20/23 16:00	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			10/20/23 16:00	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			10/20/23 16:00	1
Chloroethane	1.0	U	1.0	0.83	ug/L			10/20/23 16:00	1
Chloroform	1.0	U	1.0	0.47	ug/L			10/20/23 16:00	1
Chloromethane	1.0	U	1.0	0.63	ug/L			10/20/23 16:00	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			10/20/23 16:00	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			10/20/23 16:00	1
Dichlorobromomethane	1.0	U	1.0	0.38	ug/L			10/20/23 16:00	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			10/20/23 16:00	1
2-Butanone (MEK)	10	U	10	1.2	ug/L			10/20/23 16:00	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.99	ug/L			10/20/23 16:00	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			10/20/23 16:00	1
Styrene	1.0	U	1.0	0.45	ug/L			10/20/23 16:00	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			10/20/23 16:00	1
Toluene	1.0	U	1.0	0.44	ug/L			10/20/23 16:00	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			10/20/23 16:00	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			10/20/23 16:00	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			10/20/23 16:00	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			10/20/23 16:00	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			10/20/23 16:00	1
Chlorodibromomethane	1.0	U	1.0	0.39	ug/L			10/20/23 16:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		62 - 137		10/20/23 16:00	1
4-Bromofluorobenzene (Surr)	85		56 - 136		10/20/23 16:00	1
Toluene-d8 (Surr)	108		78 - 122		10/20/23 16:00	1
Dibromofluoromethane (Surr)	107		73 - 120		10/20/23 16:00	1

Lab Sample ID: LCS 240-591677/5

Matrix: Water

Analysis Batch: 591677

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	22.9		ug/L		92	64 - 131
1,1,2,2-Tetrachloroethane	25.0	25.4		ug/L		102	58 - 157
1,1,2-Trichloroethane	25.0	27.7		ug/L		111	70 - 138
1,1-Dichloroethane	25.0	24.5		ug/L		98	72 - 127

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-591677/5

Matrix: Water

Analysis Batch: 591677

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1-Dichloroethene	25.0	22.0		ug/L		88	63 - 134
1,2-Dichloroethane	25.0	24.3		ug/L		97	66 - 128
1,2-Dichloropropane	25.0	26.4		ug/L		106	75 - 133
2-Hexanone	50.0	58.1		ug/L		116	43 - 167
Acetone	50.0	41.7		ug/L		83	50 - 149
Benzene	25.0	26.0		ug/L		104	77 - 123
Bromoform	25.0	22.6		ug/L		90	57 - 129
Bromomethane	12.5	9.33		ug/L		75	36 - 142
Carbon disulfide	25.0	18.9		ug/L		76	43 - 140
Carbon tetrachloride	25.0	23.0		ug/L		92	55 - 137
Chlorobenzene	25.0	27.0		ug/L		108	80 - 121
Chloroethane	12.5	11.0		ug/L		88	38 - 152
Chloroform	25.0	24.5		ug/L		98	74 - 122
Chloromethane	12.5	10.5		ug/L		84	47 - 143
cis-1,2-Dichloroethene	25.0	24.0		ug/L		96	77 - 123
cis-1,3-Dichloropropene	25.0	21.9		ug/L		88	64 - 130
Dichlorobromomethane	25.0	22.5		ug/L		90	69 - 126
Ethylbenzene	25.0	26.9		ug/L		107	80 - 121
m-Xylene & p-Xylene	25.0	27.7		ug/L		111	80 - 120
2-Butanone (MEK)	50.0	48.0		ug/L		96	54 - 156
4-Methyl-2-pentanone (MIBK)	50.0	52.1		ug/L		104	46 - 158
Methylene Chloride	25.0	21.2		ug/L		85	71 - 125
o-Xylene	25.0	26.1		ug/L		104	80 - 123
Styrene	25.0	29.3		ug/L		117	80 - 135
Tetrachloroethene	25.0	28.4		ug/L		113	76 - 123
Toluene	25.0	26.6		ug/L		106	80 - 123
trans-1,2-Dichloroethene	25.0	24.7		ug/L		99	75 - 124
trans-1,3-Dichloropropene	25.0	23.7		ug/L		95	57 - 129
Trichloroethene	25.0	24.9		ug/L		99	70 - 122
Vinyl chloride	12.5	9.34		ug/L		75	60 - 144
Xylenes, Total	50.0	53.8		ug/L		108	80 - 121
Chlorodibromomethane	25.0	24.4		ug/L		98	70 - 124

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		62 - 137
4-Bromofluorobenzene (Surr)	102		56 - 136
Toluene-d8 (Surr)	114		78 - 122
Dibromofluoromethane (Surr)	108		73 - 120

Lab Sample ID: MB 240-591678/8

Matrix: Water

Analysis Batch: 591678

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/20/23 16:20	1
1,1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			10/20/23 16:20	1
1,1,2-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/20/23 16:20	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			10/20/23 16:20	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-591678/8

Matrix: Water

Analysis Batch: 591678

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			10/20/23 16:20	1
1,2-Dichloroethane	1.0	U	1.0	0.46	ug/L			10/20/23 16:20	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			10/20/23 16:20	1
2-Hexanone	10	U	10	1.1	ug/L			10/20/23 16:20	1
Acetone	10	U	10	5.4	ug/L			10/20/23 16:20	1
Benzene	1.0	U	1.0	0.42	ug/L			10/20/23 16:20	1
Bromoform	1.0	U	1.0	0.76	ug/L			10/20/23 16:20	1
Bromomethane	1.0	U	1.0	0.42	ug/L			10/20/23 16:20	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			10/20/23 16:20	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			10/20/23 16:20	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			10/20/23 16:20	1
Chloroethane	1.0	U	1.0	0.83	ug/L			10/20/23 16:20	1
Chloroform	1.0	U	1.0	0.47	ug/L			10/20/23 16:20	1
Chloromethane	1.0	U	1.0	0.63	ug/L			10/20/23 16:20	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			10/20/23 16:20	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			10/20/23 16:20	1
Dichlorobromomethane	1.0	U	1.0	0.38	ug/L			10/20/23 16:20	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			10/20/23 16:20	1
2-Butanone (MEK)	10	U	10	1.2	ug/L			10/20/23 16:20	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.99	ug/L			10/20/23 16:20	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			10/20/23 16:20	1
Styrene	1.0	U	1.0	0.45	ug/L			10/20/23 16:20	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			10/20/23 16:20	1
Toluene	1.0	U	1.0	0.44	ug/L			10/20/23 16:20	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			10/20/23 16:20	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			10/20/23 16:20	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			10/20/23 16:20	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			10/20/23 16:20	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			10/20/23 16:20	1
Chlorodibromomethane	1.0	U	1.0	0.39	ug/L			10/20/23 16:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		62 - 137		10/20/23 16:20	1
4-Bromofluorobenzene (Surr)	90		56 - 136		10/20/23 16:20	1
Toluene-d8 (Surr)	94		78 - 122		10/20/23 16:20	1
Dibromofluoromethane (Surr)	94		73 - 120		10/20/23 16:20	1

Lab Sample ID: LCS 240-591678/5

Matrix: Water

Analysis Batch: 591678

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	25.6		ug/L		102	64 - 131
1,1,2,2-Tetrachloroethane	25.0	25.4		ug/L		102	58 - 157
1,1,2-Trichloroethane	25.0	25.9		ug/L		104	70 - 138
1,1-Dichloroethane	25.0	25.9		ug/L		104	72 - 127
1,1-Dichloroethene	25.0	27.3		ug/L		109	63 - 134
1,2-Dichloroethane	25.0	25.7		ug/L		103	66 - 128

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-591678/5

Matrix: Water

Analysis Batch: 591678

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloropropane	25.0	25.0		ug/L		100	75 - 133
2-Hexanone	50.0	52.9		ug/L		106	43 - 167
Acetone	50.0	49.4		ug/L		99	50 - 149
Benzene	25.0	25.7		ug/L		103	77 - 123
Bromoform	25.0	23.7		ug/L		95	57 - 129
Bromomethane	12.5	13.3		ug/L		106	36 - 142
Carbon disulfide	25.0	26.2		ug/L		105	43 - 140
Carbon tetrachloride	25.0	25.1		ug/L		100	55 - 137
Chlorobenzene	25.0	26.0		ug/L		104	80 - 121
Chloroethane	12.5	12.4		ug/L		99	38 - 152
Chloroform	25.0	25.4		ug/L		101	74 - 122
Chloromethane	12.5	11.0		ug/L		88	47 - 143
cis-1,2-Dichloroethene	25.0	25.5		ug/L		102	77 - 123
cis-1,3-Dichloropropene	25.0	23.7		ug/L		95	64 - 130
Dichlorobromomethane	25.0	24.5		ug/L		98	69 - 126
Ethylbenzene	25.0	26.1		ug/L		105	80 - 121
m-Xylene & p-Xylene	25.0	26.3		ug/L		105	80 - 120
2-Butanone (MEK)	50.0	48.3		ug/L		97	54 - 156
4-Methyl-2-pentanone (MIBK)	50.0	47.3		ug/L		95	46 - 158
Methylene Chloride	25.0	24.8		ug/L		99	71 - 125
o-Xylene	25.0	25.9		ug/L		104	80 - 123
Styrene	25.0	26.2		ug/L		105	80 - 135
Tetrachloroethene	25.0	26.1		ug/L		104	76 - 123
Toluene	25.0	25.8		ug/L		103	80 - 123
trans-1,2-Dichloroethene	25.0	25.8		ug/L		103	75 - 124
trans-1,3-Dichloropropene	25.0	26.4		ug/L		105	57 - 129
Trichloroethene	25.0	24.3		ug/L		97	70 - 122
Vinyl chloride	12.5	11.8		ug/L		94	60 - 144
Xylenes, Total	50.0	52.2		ug/L		104	80 - 121
Chlorodibromomethane	25.0	24.9		ug/L		99	70 - 124

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		62 - 137
4-Bromofluorobenzene (Surr)	96		56 - 136
Toluene-d8 (Surr)	99		78 - 122
Dibromofluoromethane (Surr)	92		73 - 120

Lab Sample ID: 240-193522-17 MS

Matrix: Water

Analysis Batch: 591678

Client Sample ID: GW-101123-BE-038

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	1.0	U	25.0	24.7		ug/L		99	60 - 130
1,1,2,2-Tetrachloroethane	1.0	U	25.0	25.4		ug/L		101	54 - 145
1,1,2-Trichloroethane	1.0	U	25.0	25.1		ug/L		100	69 - 131
1,1-Dichloroethane	1.0	U	25.0	25.8		ug/L		103	68 - 125
1,1-Dichloroethene	1.0	U	25.0	26.1		ug/L		105	56 - 135
1,2-Dichloroethane	1.0	U	25.0	25.6		ug/L		102	63 - 126

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 240-193522-17 MS

Matrix: Water

Analysis Batch: 591678

Client Sample ID: GW-101123-BE-038

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichloropropane	1.0	U	25.0	25.2		ug/L		101	69 - 130
2-Hexanone	10	U	50.0	50.8		ug/L		102	35 - 156
Acetone	10	U	50.0	49.2		ug/L		98	33 - 149
Benzene	1.0	U	25.0	25.2		ug/L		101	64 - 128
Bromoform	1.0	U	25.0	23.1		ug/L		93	47 - 125
Bromomethane	1.0	U	12.5	8.41		ug/L		67	28 - 150
Carbon disulfide	1.0	U	25.0	24.9		ug/L		100	38 - 140
Carbon tetrachloride	1.0	U	25.0	23.8		ug/L		95	51 - 133
Chlorobenzene	1.0	U	25.0	24.5		ug/L		98	74 - 121
Chloroethane	1.0	U	12.5	11.2		ug/L		90	10 - 199
Chloroform	1.0	U	25.0	24.6		ug/L		98	70 - 122
Chloromethane	1.0	U	12.5	10.8		ug/L		86	32 - 149
cis-1,2-Dichloroethene	1.0	U	25.0	25.5		ug/L		102	66 - 128
cis-1,3-Dichloropropene	1.0	U	25.0	23.1		ug/L		92	47 - 125
Dichlorobromomethane	1.0	U	25.0	24.3		ug/L		97	62 - 125
Ethylbenzene	1.0	U	25.0	24.6		ug/L		98	67 - 127
m-Xylene & p-Xylene	2.0	U	25.0	24.4		ug/L		98	71 - 123
2-Butanone (MEK)	10	U	50.0	49.8		ug/L		100	40 - 151
4-Methyl-2-pentanone (MIBK)	10	U	50.0	49.6		ug/L		99	31 - 153
Methylene Chloride	5.0	U	25.0	24.4		ug/L		97	62 - 129
o-Xylene	1.0	U	25.0	24.8		ug/L		99	70 - 125
Styrene	1.0	U	25.0	24.7		ug/L		99	70 - 139
Tetrachloroethene	1.0	U	25.0	25.7		ug/L		103	62 - 131
Toluene	1.0	U	25.0	24.6		ug/L		98	58 - 135
trans-1,2-Dichloroethene	1.0	U	25.0	24.9		ug/L		100	56 - 136
trans-1,3-Dichloropropene	1.0	U	25.0	25.1		ug/L		100	47 - 120
Trichloroethene	1.0	U	25.0	23.8		ug/L		95	61 - 124
Vinyl chloride	1.0	U	12.5	11.6		ug/L		93	43 - 157
Xylenes, Total	2.0	U	50.0	49.2		ug/L		98	71 - 123
Chlorodibromomethane	1.0	U	25.0	24.3		ug/L		97	65 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		62 - 137
4-Bromofluorobenzene (Surr)	94		56 - 136
Toluene-d8 (Surr)	95		78 - 122
Dibromofluoromethane (Surr)	92		73 - 120

Lab Sample ID: 240-193522-17 MSD

Matrix: Water

Analysis Batch: 591678

Client Sample ID: GW-101123-BE-038

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	1.0	U	25.0	25.3		ug/L		101	60 - 130	2	17
1,1,2,2-Tetrachloroethane	1.0	U	25.0	26.5		ug/L		106	54 - 145	4	15
1,1,2-Trichloroethane	1.0	U	25.0	25.9		ug/L		104	69 - 131	3	14
1,1-Dichloroethane	1.0	U	25.0	26.9		ug/L		108	68 - 125	4	13
1,1-Dichloroethene	1.0	U	25.0	26.9		ug/L		108	56 - 135	3	26
1,2-Dichloroethane	1.0	U	25.0	26.8		ug/L		107	63 - 126	5	12

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 240-193522-17 MSD

Matrix: Water

Analysis Batch: 591678

Client Sample ID: GW-101123-BE-038

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dichloropropane	1.0	U	25.0	26.4		ug/L		105	69 - 130	5	13
2-Hexanone	10	U	50.0	53.2		ug/L		106	35 - 156	4	17
Acetone	10	U	50.0	51.2		ug/L		102	33 - 149	4	34
Benzene	1.0	U	25.0	26.1		ug/L		104	64 - 128	3	14
Bromoform	1.0	U	25.0	23.5		ug/L		94	47 - 125	1	15
Bromomethane	1.0	U	12.5	10.7		ug/L		86	28 - 150	24	26
Carbon disulfide	1.0	U	25.0	26.0		ug/L		104	38 - 140	4	23
Carbon tetrachloride	1.0	U	25.0	24.6		ug/L		99	51 - 133	4	24
Chlorobenzene	1.0	U	25.0	25.1		ug/L		100	74 - 121	2	14
Chloroethane	1.0	U	12.5	11.7		ug/L		94	10 - 199	4	30
Chloroform	1.0	U	25.0	25.6		ug/L		102	70 - 122	4	14
Chloromethane	1.0	U	12.5	12.0		ug/L		96	32 - 149	11	27
cis-1,2-Dichloroethene	1.0	U	25.0	26.0		ug/L		104	66 - 128	2	14
cis-1,3-Dichloropropene	1.0	U	25.0	24.3		ug/L		97	47 - 125	5	13
Dichlorobromomethane	1.0	U	25.0	25.1		ug/L		100	62 - 125	3	13
Ethylbenzene	1.0	U	25.0	25.5		ug/L		102	67 - 127	4	15
m-Xylene & p-Xylene	2.0	U	25.0	25.2		ug/L		101	71 - 123	3	16
2-Butanone (MEK)	10	U	50.0	51.2		ug/L		102	40 - 151	3	20
4-Methyl-2-pentanone (MIBK)	10	U	50.0	51.1		ug/L		102	31 - 153	3	15
Methylene Chloride	5.0	U	25.0	25.4		ug/L		101	62 - 129	4	17
o-Xylene	1.0	U	25.0	25.2		ug/L		101	70 - 125	2	15
Styrene	1.0	U	25.0	25.2		ug/L		101	70 - 139	2	18
Tetrachloroethene	1.0	U	25.0	25.8		ug/L		103	62 - 131	1	20
Toluene	1.0	U	25.0	25.1		ug/L		100	58 - 135	2	14
trans-1,2-Dichloroethene	1.0	U	25.0	25.6		ug/L		102	56 - 136	3	15
trans-1,3-Dichloropropene	1.0	U	25.0	26.0		ug/L		104	47 - 120	4	14
Trichloroethene	1.0	U	25.0	24.6		ug/L		98	61 - 124	3	15
Vinyl chloride	1.0	U	12.5	12.3		ug/L		98	43 - 157	5	24
Xylenes, Total	2.0	U	50.0	50.4		ug/L		101	71 - 123	2	15
Chlorodibromomethane	1.0	U	25.0	25.1		ug/L		100	65 - 120	3	13

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	96		62 - 137
4-Bromofluorobenzene (Surr)	92		56 - 136
Toluene-d8 (Surr)	93		78 - 122
Dibromofluoromethane (Surr)	89		73 - 120

Lab Sample ID: MB 240-591728/9

Matrix: Water

Analysis Batch: 591728

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/21/23 12:16	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			10/21/23 12:16	1
1,1,2-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/21/23 12:16	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			10/21/23 12:16	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			10/21/23 12:16	1
1,2-Dichloroethane	1.0	U	1.0	0.46	ug/L			10/21/23 12:16	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-591728/9

Matrix: Water

Analysis Batch: 591728

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			10/21/23 12:16	1
2-Hexanone	10	U	10	1.1	ug/L			10/21/23 12:16	1
Acetone	10	U	10	5.4	ug/L			10/21/23 12:16	1
Benzene	1.0	U	1.0	0.42	ug/L			10/21/23 12:16	1
Bromoform	1.0	U	1.0	0.76	ug/L			10/21/23 12:16	1
Bromomethane	1.0	U	1.0	0.42	ug/L			10/21/23 12:16	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			10/21/23 12:16	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			10/21/23 12:16	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			10/21/23 12:16	1
Chloroethane	1.0	U	1.0	0.83	ug/L			10/21/23 12:16	1
Chloroform	1.0	U	1.0	0.47	ug/L			10/21/23 12:16	1
Chloromethane	1.0	U	1.0	0.63	ug/L			10/21/23 12:16	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			10/21/23 12:16	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			10/21/23 12:16	1
Dichlorobromomethane	1.0	U	1.0	0.38	ug/L			10/21/23 12:16	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			10/21/23 12:16	1
2-Butanone (MEK)	10	U	10	1.2	ug/L			10/21/23 12:16	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.99	ug/L			10/21/23 12:16	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			10/21/23 12:16	1
Styrene	1.0	U	1.0	0.45	ug/L			10/21/23 12:16	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			10/21/23 12:16	1
Toluene	1.0	U	1.0	0.44	ug/L			10/21/23 12:16	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			10/21/23 12:16	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			10/21/23 12:16	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			10/21/23 12:16	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			10/21/23 12:16	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			10/21/23 12:16	1
Chlorodibromomethane	1.0	U	1.0	0.39	ug/L			10/21/23 12:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		62 - 137		10/21/23 12:16	1
4-Bromofluorobenzene (Surr)	66		56 - 136		10/21/23 12:16	1
Toluene-d8 (Surr)	98		78 - 122		10/21/23 12:16	1
Dibromofluoromethane (Surr)	102		73 - 120		10/21/23 12:16	1

Lab Sample ID: LCS 240-591728/5

Matrix: Water

Analysis Batch: 591728

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	18.3		ug/L		92	64 - 131
1,1,2,2-Tetrachloroethane	20.0	25.5		ug/L		128	58 - 157
1,1,2-Trichloroethane	20.0	20.4		ug/L		102	70 - 138
1,1-Dichloroethane	20.0	19.6		ug/L		98	72 - 127
1,1-Dichloroethene	20.0	19.5		ug/L		98	63 - 134
1,2-Dichloroethane	20.0	18.6		ug/L		93	66 - 128
1,2-Dichloropropane	20.0	19.8		ug/L		99	75 - 133
2-Hexanone	40.0	39.4		ug/L		99	43 - 167

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-591728/5

Matrix: Water

Analysis Batch: 591728

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acetone	40.0	38.0		ug/L		95	50 - 149
Benzene	20.0	20.1		ug/L		100	77 - 123
Bromoform	20.0	18.3		ug/L		91	57 - 129
Bromomethane	20.0	21.4		ug/L		107	36 - 142
Carbon disulfide	20.0	18.9		ug/L		95	43 - 140
Carbon tetrachloride	20.0	17.9		ug/L		89	55 - 137
Chlorobenzene	20.0	19.3		ug/L		96	80 - 121
Chloroethane	20.0	21.5		ug/L		107	38 - 152
Chloroform	20.0	19.2		ug/L		96	74 - 122
Chloromethane	20.0	16.3		ug/L		81	47 - 143
cis-1,2-Dichloroethene	20.0	20.0		ug/L		100	77 - 123
cis-1,3-Dichloropropene	20.0	17.2		ug/L		86	64 - 130
Dichlorobromomethane	20.0	18.8		ug/L		94	69 - 126
Ethylbenzene	20.0	19.0		ug/L		95	80 - 121
m-Xylene & p-Xylene	20.0	18.1		ug/L		91	80 - 120
2-Butanone (MEK)	40.0	36.7		ug/L		92	54 - 156
4-Methyl-2-pentanone (MIBK)	40.0	35.2		ug/L		88	46 - 158
Methylene Chloride	20.0	19.0		ug/L		95	71 - 125
o-Xylene	20.0	18.6		ug/L		93	80 - 123
Styrene	20.0	17.8		ug/L		89	80 - 135
Tetrachloroethene	20.0	18.5		ug/L		92	76 - 123
Toluene	20.0	20.0		ug/L		100	80 - 123
trans-1,2-Dichloroethene	20.0	18.6		ug/L		93	75 - 124
trans-1,3-Dichloropropene	20.0	19.4		ug/L		97	57 - 129
Trichloroethene	20.0	18.1		ug/L		91	70 - 122
Vinyl chloride	20.0	17.7		ug/L		89	60 - 144
Xylenes, Total	40.0	36.7		ug/L		92	80 - 121
Chlorodibromomethane	20.0	18.8		ug/L		94	70 - 124

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	98		62 - 137
4-Bromofluorobenzene (Surr)	79		56 - 136
Toluene-d8 (Surr)	102		78 - 122
Dibromofluoromethane (Surr)	100		73 - 120

Lab Sample ID: MB 240-591760/8

Matrix: Water

Analysis Batch: 591760

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/22/23 17:29	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			10/22/23 17:29	1
1,1,2-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/22/23 17:29	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			10/22/23 17:29	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			10/22/23 17:29	1
1,2-Dichloroethane	1.0	U	1.0	0.46	ug/L			10/22/23 17:29	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			10/22/23 17:29	1
2-Hexanone	10	U	10	1.1	ug/L			10/22/23 17:29	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-591760/8

Matrix: Water

Analysis Batch: 591760

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10	U	10	5.4	ug/L			10/22/23 17:29	1
Benzene	1.0	U	1.0	0.42	ug/L			10/22/23 17:29	1
Bromoform	1.0	U	1.0	0.76	ug/L			10/22/23 17:29	1
Bromomethane	1.0	U	1.0	0.42	ug/L			10/22/23 17:29	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			10/22/23 17:29	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			10/22/23 17:29	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			10/22/23 17:29	1
Chloroethane	1.0	U	1.0	0.83	ug/L			10/22/23 17:29	1
Chloroform	1.0	U	1.0	0.47	ug/L			10/22/23 17:29	1
Chloromethane	1.0	U	1.0	0.63	ug/L			10/22/23 17:29	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			10/22/23 17:29	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			10/22/23 17:29	1
Dichlorobromomethane	1.0	U	1.0	0.38	ug/L			10/22/23 17:29	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			10/22/23 17:29	1
2-Butanone (MEK)	10	U	10	1.2	ug/L			10/22/23 17:29	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.99	ug/L			10/22/23 17:29	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			10/22/23 17:29	1
Styrene	1.0	U	1.0	0.45	ug/L			10/22/23 17:29	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			10/22/23 17:29	1
Toluene	1.0	U	1.0	0.44	ug/L			10/22/23 17:29	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			10/22/23 17:29	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			10/22/23 17:29	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			10/22/23 17:29	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			10/22/23 17:29	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			10/22/23 17:29	1
Chlorodibromomethane	1.0	U	1.0	0.39	ug/L			10/22/23 17:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		62 - 137		10/22/23 17:29	1
4-Bromofluorobenzene (Surr)	86		56 - 136		10/22/23 17:29	1
Toluene-d8 (Surr)	88		78 - 122		10/22/23 17:29	1
Dibromofluoromethane (Surr)	95		73 - 120		10/22/23 17:29	1

Lab Sample ID: LCS 240-591760/5

Matrix: Water

Analysis Batch: 591760

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	26.6		ug/L		106	64 - 131
1,1,2,2-Tetrachloroethane	25.0	25.8		ug/L		103	58 - 157
1,1,2-Trichloroethane	25.0	25.9		ug/L		104	70 - 138
1,1-Dichloroethane	25.0	26.1		ug/L		104	72 - 127
1,1-Dichloroethene	25.0	27.5		ug/L		110	63 - 134
1,2-Dichloroethane	25.0	25.7		ug/L		103	66 - 128
1,2-Dichloropropane	25.0	25.4		ug/L		102	75 - 133
2-Hexanone	50.0	51.3		ug/L		103	43 - 167
Acetone	50.0	46.4		ug/L		93	50 - 149
Benzene	25.0	25.8		ug/L		103	77 - 123

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-591760/5

Matrix: Water

Analysis Batch: 591760

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromoform	25.0	27.2		ug/L		109	57 - 129
Bromomethane	12.5	13.8		ug/L		110	36 - 142
Carbon disulfide	25.0	27.3		ug/L		109	43 - 140
Carbon tetrachloride	25.0	26.7		ug/L		107	55 - 137
Chlorobenzene	25.0	26.6		ug/L		106	80 - 121
Chloroethane	12.5	14.8		ug/L		118	38 - 152
Chloroform	25.0	25.7		ug/L		103	74 - 122
Chloromethane	12.5	12.6		ug/L		101	47 - 143
cis-1,2-Dichloroethene	25.0	25.9		ug/L		104	77 - 123
cis-1,3-Dichloropropene	25.0	25.2		ug/L		101	64 - 130
Dichlorobromomethane	25.0	25.9		ug/L		104	69 - 126
Ethylbenzene	25.0	26.9		ug/L		108	80 - 121
m-Xylene & p-Xylene	25.0	27.0		ug/L		108	80 - 120
2-Butanone (MEK)	50.0	48.5		ug/L		97	54 - 156
4-Methyl-2-pentanone (MIBK)	50.0	48.1		ug/L		96	46 - 158
Methylene Chloride	25.0	24.5		ug/L		98	71 - 125
o-Xylene	25.0	26.5		ug/L		106	80 - 123
Styrene	25.0	26.7		ug/L		107	80 - 135
Tetrachloroethene	25.0	26.8		ug/L		107	76 - 123
Toluene	25.0	26.1		ug/L		104	80 - 123
trans-1,2-Dichloroethene	25.0	25.6		ug/L		102	75 - 124
trans-1,3-Dichloropropene	25.0	28.3		ug/L		113	57 - 129
Trichloroethene	25.0	25.3		ug/L		101	70 - 122
Vinyl chloride	12.5	13.0		ug/L		104	60 - 144
Xylenes, Total	50.0	53.5		ug/L		107	80 - 121
Chlorodibromomethane	25.0	27.2		ug/L		109	70 - 124

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		62 - 137
4-Bromofluorobenzene (Surr)	90		56 - 136
Toluene-d8 (Surr)	92		78 - 122
Dibromofluoromethane (Surr)	91		73 - 120

Lab Sample ID: MB 240-591763/8

Matrix: Water

Analysis Batch: 591763

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/22/23 17:22	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			10/22/23 17:22	1
1,1,2-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/22/23 17:22	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			10/22/23 17:22	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			10/22/23 17:22	1
1,2-Dichloroethane	1.0	U	1.0	0.46	ug/L			10/22/23 17:22	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			10/22/23 17:22	1
2-Hexanone	10	U	10	1.1	ug/L			10/22/23 17:22	1
Acetone	10	U	10	5.4	ug/L			10/22/23 17:22	1
Benzene	1.0	U	1.0	0.42	ug/L			10/22/23 17:22	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-591763/8

Matrix: Water

Analysis Batch: 591763

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	1.0	U	1.0	0.76	ug/L			10/22/23 17:22	1
Bromomethane	1.0	U	1.0	0.42	ug/L			10/22/23 17:22	1
Carbon disulfide	1.0	U	1.0	0.59	ug/L			10/22/23 17:22	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			10/22/23 17:22	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			10/22/23 17:22	1
Chloroethane	1.0	U	1.0	0.83	ug/L			10/22/23 17:22	1
Chloroform	1.0	U	1.0	0.47	ug/L			10/22/23 17:22	1
Chloromethane	1.0	U	1.0	0.63	ug/L			10/22/23 17:22	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			10/22/23 17:22	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			10/22/23 17:22	1
Dichlorobromomethane	1.0	U	1.0	0.38	ug/L			10/22/23 17:22	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			10/22/23 17:22	1
2-Butanone (MEK)	10	U	10	1.2	ug/L			10/22/23 17:22	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.99	ug/L			10/22/23 17:22	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			10/22/23 17:22	1
Styrene	1.0	U	1.0	0.45	ug/L			10/22/23 17:22	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			10/22/23 17:22	1
Toluene	1.0	U	1.0	0.44	ug/L			10/22/23 17:22	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			10/22/23 17:22	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			10/22/23 17:22	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			10/22/23 17:22	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			10/22/23 17:22	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			10/22/23 17:22	1
Chlorodibromomethane	1.0	U	1.0	0.39	ug/L			10/22/23 17:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		62 - 137		10/22/23 17:22	1
4-Bromofluorobenzene (Surr)	85		56 - 136		10/22/23 17:22	1
Toluene-d8 (Surr)	109		78 - 122		10/22/23 17:22	1
Dibromofluoromethane (Surr)	109		73 - 120		10/22/23 17:22	1

Lab Sample ID: LCS 240-591763/5

Matrix: Water

Analysis Batch: 591763

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	22.4		ug/L		90	64 - 131
1,1,1,2-Tetrachloroethane	25.0	25.8		ug/L		103	58 - 157
1,1,2-Trichloroethane	25.0	27.8		ug/L		111	70 - 138
1,1-Dichloroethane	25.0	24.0		ug/L		96	72 - 127
1,1-Dichloroethene	25.0	23.5		ug/L		94	63 - 134
1,2-Dichloroethane	25.0	24.0		ug/L		96	66 - 128
1,2-Dichloropropane	25.0	26.0		ug/L		104	75 - 133
2-Hexanone	50.0	57.3		ug/L		115	43 - 167
Acetone	50.0	42.7		ug/L		85	50 - 149
Benzene	25.0	25.7		ug/L		103	77 - 123
Bromoform	25.0	22.4		ug/L		90	57 - 129
Bromomethane	12.5	11.5		ug/L		92	36 - 142

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-591763/5

Matrix: Water

Analysis Batch: 591763

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon disulfide	25.0	22.6		ug/L		90	43 - 140
Carbon tetrachloride	25.0	22.7		ug/L		91	55 - 137
Chlorobenzene	25.0	26.9		ug/L		108	80 - 121
Chloroethane	12.5	12.5		ug/L		100	38 - 152
Chloroform	25.0	24.1		ug/L		96	74 - 122
Chloromethane	12.5	10.7		ug/L		85	47 - 143
cis-1,2-Dichloroethene	25.0	24.0		ug/L		96	77 - 123
cis-1,3-Dichloropropene	25.0	21.5		ug/L		86	64 - 130
Dichlorobromomethane	25.0	22.3		ug/L		89	69 - 126
Ethylbenzene	25.0	26.8		ug/L		107	80 - 121
m-Xylene & p-Xylene	25.0	27.1		ug/L		108	80 - 120
2-Butanone (MEK)	50.0	47.0		ug/L		94	54 - 156
4-Methyl-2-pentanone (MIBK)	50.0	52.1		ug/L		104	46 - 158
Methylene Chloride	25.0	25.5		ug/L		102	71 - 125
o-Xylene	25.0	25.9		ug/L		104	80 - 123
Styrene	25.0	29.0		ug/L		116	80 - 135
Tetrachloroethene	25.0	28.0		ug/L		112	76 - 123
Toluene	25.0	26.7		ug/L		107	80 - 123
trans-1,2-Dichloroethene	25.0	24.7		ug/L		99	75 - 124
trans-1,3-Dichloropropene	25.0	23.9		ug/L		96	57 - 129
Trichloroethene	25.0	24.9		ug/L		99	70 - 122
Vinyl chloride	12.5	10.9		ug/L		87	60 - 144
Xylenes, Total	50.0	53.0		ug/L		106	80 - 121
Chlorodibromomethane	25.0	24.2		ug/L		97	70 - 124

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		62 - 137
4-Bromofluorobenzene (Surr)	101		56 - 136
Toluene-d8 (Surr)	113		78 - 122
Dibromofluoromethane (Surr)	106		73 - 120

Lab Sample ID: MB 240-591927/8

Matrix: Water

Analysis Batch: 591927

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/24/23 04:22	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60	ug/L			10/24/23 04:22	1
1,1,2-Trichloroethane	1.0	U	1.0	0.48	ug/L			10/24/23 04:22	1
1,1-Dichloroethane	1.0	U	1.0	0.47	ug/L			10/24/23 04:22	1
1,1-Dichloroethene	1.0	U	1.0	0.49	ug/L			10/24/23 04:22	1
1,2-Dichloroethane	1.0	U	1.0	0.46	ug/L			10/24/23 04:22	1
1,2-Dichloropropane	1.0	U	1.0	0.47	ug/L			10/24/23 04:22	1
2-Hexanone	10	U	10	1.1	ug/L			10/24/23 04:22	1
Acetone	10	U	10	5.4	ug/L			10/24/23 04:22	1
Benzene	1.0	U	1.0	0.42	ug/L			10/24/23 04:22	1
Bromoform	1.0	U	1.0	0.76	ug/L			10/24/23 04:22	1
Bromomethane	1.0	U	1.0	0.42	ug/L			10/24/23 04:22	1

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 240-591927/8

Matrix: Water

Analysis Batch: 591927

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	1.0	U	1.0	0.59	ug/L			10/24/23 04:22	1
Carbon tetrachloride	1.0	U	1.0	0.26	ug/L			10/24/23 04:22	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			10/24/23 04:22	1
Chloroethane	1.0	U	1.0	0.83	ug/L			10/24/23 04:22	1
Chloroform	1.0	U	1.0	0.47	ug/L			10/24/23 04:22	1
Chloromethane	1.0	U	1.0	0.63	ug/L			10/24/23 04:22	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.46	ug/L			10/24/23 04:22	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.61	ug/L			10/24/23 04:22	1
Dichlorobromomethane	1.0	U	1.0	0.38	ug/L			10/24/23 04:22	1
Ethylbenzene	1.0	U	1.0	0.42	ug/L			10/24/23 04:22	1
2-Butanone (MEK)	10	U	10	1.2	ug/L			10/24/23 04:22	1
4-Methyl-2-pentanone (MIBK)	10	U	10	0.99	ug/L			10/24/23 04:22	1
Methylene Chloride	5.0	U	5.0	2.6	ug/L			10/24/23 04:22	1
Styrene	1.0	U	1.0	0.45	ug/L			10/24/23 04:22	1
Tetrachloroethene	1.0	U	1.0	0.44	ug/L			10/24/23 04:22	1
Toluene	1.0	U	1.0	0.44	ug/L			10/24/23 04:22	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.51	ug/L			10/24/23 04:22	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.67	ug/L			10/24/23 04:22	1
Trichloroethene	1.0	U	1.0	0.44	ug/L			10/24/23 04:22	1
Vinyl chloride	1.0	U	1.0	0.45	ug/L			10/24/23 04:22	1
Xylenes, Total	2.0	U	2.0	0.42	ug/L			10/24/23 04:22	1
Chlorodibromomethane	1.0	U	1.0	0.39	ug/L			10/24/23 04:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		62 - 137		10/24/23 04:22	1
4-Bromofluorobenzene (Surr)	89		56 - 136		10/24/23 04:22	1
Toluene-d8 (Surr)	92		78 - 122		10/24/23 04:22	1
Dibromofluoromethane (Surr)	95		73 - 120		10/24/23 04:22	1

Lab Sample ID: LCS 240-591927/5

Matrix: Water

Analysis Batch: 591927

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	25.0	25.5		ug/L		102	64 - 131
1,1,2,2-Tetrachloroethane	25.0	25.5		ug/L		102	58 - 157
1,1,2-Trichloroethane	25.0	25.8		ug/L		103	70 - 138
1,1-Dichloroethane	25.0	25.9		ug/L		104	72 - 127
1,1-Dichloroethene	25.0	26.3		ug/L		105	63 - 134
1,2-Dichloroethane	25.0	26.0		ug/L		104	66 - 128
1,2-Dichloropropane	25.0	25.4		ug/L		101	75 - 133
2-Hexanone	50.0	52.1		ug/L		104	43 - 167
Acetone	50.0	50.0		ug/L		100	50 - 149
Benzene	25.0	25.3		ug/L		101	77 - 123
Bromoform	25.0	24.3		ug/L		97	57 - 129
Bromomethane	12.5	13.4		ug/L		108	36 - 142
Carbon disulfide	25.0	25.3		ug/L		101	43 - 140
Carbon tetrachloride	25.0	24.7		ug/L		99	55 - 137

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QC Sample Results

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 240-591927/5

Matrix: Water

Analysis Batch: 591927

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobenzene	25.0	24.9		ug/L		100	80 - 121
Chloroethane	12.5	13.9		ug/L		112	38 - 152
Chloroform	25.0	25.7		ug/L		103	74 - 122
Chloromethane	12.5	12.0		ug/L		96	47 - 143
cis-1,2-Dichloroethene	25.0	25.4		ug/L		101	77 - 123
cis-1,3-Dichloropropene	25.0	23.2		ug/L		93	64 - 130
Dichlorobromomethane	25.0	25.1		ug/L		101	69 - 126
Ethylbenzene	25.0	25.0		ug/L		100	80 - 121
m-Xylene & p-Xylene	25.0	24.9		ug/L		100	80 - 120
2-Butanone (MEK)	50.0	48.5		ug/L		97	54 - 156
4-Methyl-2-pentanone (MIBK)	50.0	48.0		ug/L		96	46 - 158
Methylene Chloride	25.0	25.7		ug/L		103	71 - 125
o-Xylene	25.0	24.7		ug/L		99	80 - 123
Styrene	25.0	25.0		ug/L		100	80 - 135
Tetrachloroethene	25.0	23.9		ug/L		95	76 - 123
Toluene	25.0	25.0		ug/L		100	80 - 123
trans-1,2-Dichloroethene	25.0	25.2		ug/L		101	75 - 124
trans-1,3-Dichloropropene	25.0	25.6		ug/L		102	57 - 129
Trichloroethene	25.0	23.5		ug/L		94	70 - 122
Vinyl chloride	12.5	12.5		ug/L		100	60 - 144
Xylenes, Total	50.0	49.6		ug/L		99	80 - 121
Chlorodibromomethane	25.0	25.8		ug/L		103	70 - 124

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	94		62 - 137
4-Bromofluorobenzene (Surr)	90		56 - 136
Toluene-d8 (Surr)	94		78 - 122
Dibromofluoromethane (Surr)	89		73 - 120

QC Association Summary

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

GC/MS VOA

Analysis Batch: 591496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-193522-1	GW-100923-BE-024	Total/NA	Water	8260D	
240-193522-4	GW-100923-BE-027	Total/NA	Water	8260D	
240-193522-6	EB-100923-BE-003	Total/NA	Water	8260D	
240-193522-8	TB-100923-BE-002	Total/NA	Water	8260D	
MB 240-591496/8	Method Blank	Total/NA	Water	8260D	
LCS 240-591496/5	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 591677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-193522-2	GW-100923-BE-025	Total/NA	Water	8260D	
240-193522-3	GW-100923-BE-026	Total/NA	Water	8260D	
240-193522-4	GW-100923-BE-027	Total/NA	Water	8260D	
240-193522-5	GW-100923-BE-028	Total/NA	Water	8260D	
240-193522-7	GW-100923-BE-029	Total/NA	Water	8260D	
240-193522-9	GW-101023-BE-030	Total/NA	Water	8260D	
240-193522-10	GW-101023-BE-031	Total/NA	Water	8260D	
240-193522-11	GW-101023-BE-032	Total/NA	Water	8260D	
MB 240-591677/8	Method Blank	Total/NA	Water	8260D	
LCS 240-591677/5	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 591678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-193522-16	GW-101023-BE-037	Total/NA	Water	8260D	
240-193522-17	GW-101123-BE-038	Total/NA	Water	8260D	
240-193522-18	GW-101123-BE-039	Total/NA	Water	8260D	
240-193522-19	SW-101123-BE-001	Total/NA	Water	8260D	
240-193522-20	SW-101123-BE-002	Total/NA	Water	8260D	
240-193522-21	SW-101123-BE-003	Total/NA	Water	8260D	
240-193522-22	GW-101123-BE-040	Total/NA	Water	8260D	
240-193522-23	EB-101123-BE-004	Total/NA	Water	8260D	
MB 240-591678/8	Method Blank	Total/NA	Water	8260D	
LCS 240-591678/5	Lab Control Sample	Total/NA	Water	8260D	
240-193522-17 MS	GW-101123-BE-038	Total/NA	Water	8260D	
240-193522-17 MSD	GW-101123-BE-038	Total/NA	Water	8260D	

Analysis Batch: 591728

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-193522-27	GW-101223-BE-044	Total/NA	Water	8260D	
240-193522-28	GW-101223-BE-045	Total/NA	Water	8260D	
MB 240-591728/9	Method Blank	Total/NA	Water	8260D	
LCS 240-591728/5	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 591760

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-193522-15	GW-101023-BE-036	Total/NA	Water	8260D	
240-193522-18	GW-101123-BE-039	Total/NA	Water	8260D	
240-193522-22	GW-101123-BE-040	Total/NA	Water	8260D	
240-193522-24	GW-101123-BE-041	Total/NA	Water	8260D	
240-193522-25	GW-101223-BE-042	Total/NA	Water	8260D	
240-193522-26	GW-101223-BE-043	Total/NA	Water	8260D	
MB 240-591760/8	Method Blank	Total/NA	Water	8260D	

QC Association Summary

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

GC/MS VOA (Continued)

Analysis Batch: 591760 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 240-591760/5	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 591763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-193522-5	GW-100923-BE-028	Total/NA	Water	8260D	
240-193522-12	GW-101023-BE-033	Total/NA	Water	8260D	
240-193522-13	GW-101023-BE-034	Total/NA	Water	8260D	
MB 240-591763/8	Method Blank	Total/NA	Water	8260D	
LCS 240-591763/5	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 591927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-193522-14	GW-101023-BE-035	Total/NA	Water	8260D	
MB 240-591927/8	Method Blank	Total/NA	Water	8260D	
LCS 240-591927/5	Lab Control Sample	Total/NA	Water	8260D	

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: GW-100923-BE-024

Lab Sample ID: 240-193522-1

Date Collected: 10/09/23 08:40

Matrix: Water

Date Received: 10/13/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	591496	CDG	EET CLE	10/19/23 22:00

Client Sample ID: GW-100923-BE-025

Lab Sample ID: 240-193522-2

Date Collected: 10/09/23 12:55

Matrix: Water

Date Received: 10/13/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	591677	CDG	EET CLE	10/20/23 17:41

Client Sample ID: GW-100923-BE-026

Lab Sample ID: 240-193522-3

Date Collected: 10/09/23 13:04

Matrix: Water

Date Received: 10/13/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	591677	CDG	EET CLE	10/20/23 18:06

Client Sample ID: GW-100923-BE-027

Lab Sample ID: 240-193522-4

Date Collected: 10/09/23 14:21

Matrix: Water

Date Received: 10/13/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	591496	CDG	EET CLE	10/19/23 23:16
Total/NA	Analysis	8260D		10	591677	CDG	EET CLE	10/20/23 18:31

Client Sample ID: GW-100923-BE-028

Lab Sample ID: 240-193522-5

Date Collected: 10/09/23 15:40

Matrix: Water

Date Received: 10/13/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	591677	CDG	EET CLE	10/20/23 18:56
Total/NA	Analysis	8260D		2	591763	CDG	EET CLE	10/22/23 21:58

Client Sample ID: EB-100923-BE-003

Lab Sample ID: 240-193522-6

Date Collected: 10/09/23 15:58

Matrix: Water

Date Received: 10/13/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	591496	CDG	EET CLE	10/20/23 00:06

Client Sample ID: GW-100923-BE-029

Lab Sample ID: 240-193522-7

Date Collected: 10/09/23 16:11

Matrix: Water

Date Received: 10/13/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	591677	CDG	EET CLE	10/20/23 19:21

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: TB-100923-BE-002

Lab Sample ID: 240-193522-8

Date Collected: 10/09/23 16:30

Matrix: Water

Date Received: 10/13/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	591496	CDG	EET CLE	10/19/23 17:24

Client Sample ID: GW-101023-BE-030

Lab Sample ID: 240-193522-9

Date Collected: 10/10/23 10:50

Matrix: Water

Date Received: 10/13/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	591677	CDG	EET CLE	10/20/23 20:36

Client Sample ID: GW-101023-BE-031

Lab Sample ID: 240-193522-10

Date Collected: 10/10/23 11:22

Matrix: Water

Date Received: 10/13/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	591677	CDG	EET CLE	10/20/23 21:01

Client Sample ID: GW-101023-BE-032

Lab Sample ID: 240-193522-11

Date Collected: 10/10/23 12:30

Matrix: Water

Date Received: 10/13/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	591677	CDG	EET CLE	10/20/23 21:26

Client Sample ID: GW-101023-BE-033

Lab Sample ID: 240-193522-12

Date Collected: 10/10/23 13:07

Matrix: Water

Date Received: 10/13/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	591763	CDG	EET CLE	10/22/23 22:23

Client Sample ID: GW-101023-BE-034

Lab Sample ID: 240-193522-13

Date Collected: 10/10/23 13:58

Matrix: Water

Date Received: 10/13/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		100	591763	CDG	EET CLE	10/22/23 22:48

Client Sample ID: GW-101023-BE-035

Lab Sample ID: 240-193522-14

Date Collected: 10/10/23 14:44

Matrix: Water

Date Received: 10/13/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		100	591927	CDG	EET CLE	10/24/23 06:44

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: GW-101023-BE-036

Lab Sample ID: 240-193522-15

Date Collected: 10/10/23 14:55

Matrix: Water

Date Received: 10/13/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		100	591760	CDG	EET CLE	10/22/23 23:01

Client Sample ID: GW-101023-BE-037

Lab Sample ID: 240-193522-16

Date Collected: 10/10/23 16:04

Matrix: Water

Date Received: 10/13/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	591678	CDG	EET CLE	10/20/23 17:33

Client Sample ID: GW-101123-BE-038

Lab Sample ID: 240-193522-17

Date Collected: 10/11/23 09:10

Matrix: Water

Date Received: 10/13/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	591678	CDG	EET CLE	10/20/23 17:56

Client Sample ID: GW-101123-BE-039

Lab Sample ID: 240-193522-18

Date Collected: 10/11/23 10:45

Matrix: Water

Date Received: 10/13/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		50	591678	CDG	EET CLE	10/20/23 18:21
Total/NA	Analysis	8260D		200	591760	CDG	EET CLE	10/22/23 23:25

Client Sample ID: SW-101123-BE-001

Lab Sample ID: 240-193522-19

Date Collected: 10/11/23 11:07

Matrix: Water

Date Received: 10/13/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		5	591678	CDG	EET CLE	10/20/23 18:45

Client Sample ID: SW-101123-BE-002

Lab Sample ID: 240-193522-20

Date Collected: 10/11/23 11:14

Matrix: Water

Date Received: 10/13/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		5	591678	CDG	EET CLE	10/20/23 19:09

Client Sample ID: SW-101123-BE-003

Lab Sample ID: 240-193522-21

Date Collected: 10/11/23 11:24

Matrix: Water

Date Received: 10/13/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		3.33333	591678	CDG	EET CLE	10/20/23 19:32

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Client Sample ID: GW-101123-BE-040

Lab Sample ID: 240-193522-22

Date Collected: 10/11/23 11:58

Matrix: Water

Date Received: 10/13/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		10	591678	CDG	EET CLE	10/20/23 19:57
Total/NA	Analysis	8260D		50	591760	CDG	EET CLE	10/22/23 23:49

Client Sample ID: EB-101123-BE-004

Lab Sample ID: 240-193522-23

Date Collected: 10/11/23 12:45

Matrix: Water

Date Received: 10/13/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	591678	CDG	EET CLE	10/20/23 20:20

Client Sample ID: GW-101123-BE-041

Lab Sample ID: 240-193522-24

Date Collected: 10/11/23 13:30

Matrix: Water

Date Received: 10/13/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		20	591760	CDG	EET CLE	10/23/23 00:13

Client Sample ID: GW-101223-BE-042

Lab Sample ID: 240-193522-25

Date Collected: 10/12/23 09:46

Matrix: Water

Date Received: 10/13/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	591760	CDG	EET CLE	10/23/23 00:37

Client Sample ID: GW-101223-BE-043

Lab Sample ID: 240-193522-26

Date Collected: 10/12/23 11:10

Matrix: Water

Date Received: 10/13/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	591760	CDG	EET CLE	10/23/23 01:01

Client Sample ID: GW-101223-BE-044

Lab Sample ID: 240-193522-27

Date Collected: 10/12/23 12:26

Matrix: Water

Date Received: 10/13/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	591728	AJS	EET CLE	10/21/23 14:12

Client Sample ID: GW-101223-BE-045

Lab Sample ID: 240-193522-28

Date Collected: 10/12/23 15:12

Matrix: Water

Date Received: 10/13/23 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	591728	AJS	EET CLE	10/21/23 14:35

Lab Chronicle

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Accreditation/Certification Summary

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Laboratory: Eurofins Cleveland

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	02-27-24
Georgia	State	4062	02-27-24
Illinois	NELAP	200004	07-31-24
Iowa	State	421	06-01-25
Kentucky (UST)	State	112225	02-28-24
Kentucky (WW)	State	KY98016	12-31-23
Michigan	State	9135	02-27-24
Minnesota	NELAP	039-999-348	12-31-23
Minnesota (Petrofund)	State	3506	08-01-23 *
New Jersey	NELAP	OH001	07-01-24
New York	NELAP	10975	04-02-24
Ohio	State	8303	02-27-24
Ohio VAP	State	ORELAP 4062	02-27-24
Oregon	NELAP	4062	02-27-24
Pennsylvania	NELAP	68-00340	08-31-24
Texas	NELAP	T104704517-22-19	08-31-24
Virginia	NELAP	460175	09-14-24
West Virginia DEP	State	210	12-31-23

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Cleveland

Method Summary

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CLE
5030C	Purge and Trap	SW846	EET CLE

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CLE = Eurofins Cleveland, 180 S. Van Buren Avenue, Barberton, OH 44203, TEL (330)497-9396

Sample Summary

Client: GHD Services Inc.
Project/Site: 11209506, MLK - Anderson, IN

Job ID: 240-193522-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-193522-1	GW-100923-BE-024	Water	10/09/23 08:40	10/13/23 09:40
240-193522-2	GW-100923-BE-025	Water	10/09/23 12:55	10/13/23 09:40
240-193522-3	GW-100923-BE-026	Water	10/09/23 13:04	10/13/23 09:40
240-193522-4	GW-100923-BE-027	Water	10/09/23 14:21	10/13/23 09:40
240-193522-5	GW-100923-BE-028	Water	10/09/23 15:40	10/13/23 09:40
240-193522-6	EB-100923-BE-003	Water	10/09/23 15:58	10/13/23 09:40
240-193522-7	GW-100923-BE-029	Water	10/09/23 16:11	10/13/23 09:40
240-193522-8	TB-100923-BE-002	Water	10/09/23 16:30	10/13/23 09:40
240-193522-9	GW-101023-BE-030	Water	10/10/23 10:50	10/13/23 09:40
240-193522-10	GW-101023-BE-031	Water	10/10/23 11:22	10/13/23 09:40
240-193522-11	GW-101023-BE-032	Water	10/10/23 12:30	10/13/23 09:40
240-193522-12	GW-101023-BE-033	Water	10/10/23 13:07	10/13/23 09:40
240-193522-13	GW-101023-BE-034	Water	10/10/23 13:58	10/13/23 09:40
240-193522-14	GW-101023-BE-035	Water	10/10/23 14:44	10/13/23 09:40
240-193522-15	GW-101023-BE-036	Water	10/10/23 14:55	10/13/23 09:40
240-193522-16	GW-101023-BE-037	Water	10/10/23 16:04	10/13/23 09:40
240-193522-17	GW-101123-BE-038	Water	10/11/23 09:10	10/13/23 09:40
240-193522-18	GW-101123-BE-039	Water	10/11/23 10:45	10/13/23 09:40
240-193522-19	SW-101123-BE-001	Water	10/11/23 11:07	10/13/23 09:40
240-193522-20	SW-101123-BE-002	Water	10/11/23 11:14	10/13/23 09:40
240-193522-21	SW-101123-BE-003	Water	10/11/23 11:24	10/13/23 09:40
240-193522-22	GW-101123-BE-040	Water	10/11/23 11:58	10/13/23 09:40
240-193522-23	EB-101123-BE-004	Water	10/11/23 12:45	10/13/23 09:40
240-193522-24	GW-101123-BE-041	Water	10/11/23 13:30	10/13/23 09:40
240-193522-25	GW-101223-BE-042	Water	10/12/23 09:46	10/13/23 09:40
240-193522-26	GW-101223-BE-043	Water	10/12/23 11:10	10/13/23 09:40
240-193522-27	GW-101223-BE-044	Water	10/12/23 12:26	10/13/23 09:40
240-193522-28	GW-101223-BE-045	Water	10/12/23 15:12	10/13/23 09:40

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Instrument ID: A3UX15 Analysis Batch Number: 531220
Lab Sample ID: STD8260 240-531220/9 IC Client Sample ID: _____
Date Analyzed: 06/17/22 15:29 Lab File ID: UXC2434.D GC Column: DB-624 ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichloroethane-d4 (Surr)		Invalid Compound ID	laveyt	06/20/22 10:23
2,2-Dichloropropane		Invalid Compound ID	laveyt	06/20/22 10:28
2-Butanone (MEK)		Invalid Compound ID	laveyt	06/20/22 10:28
4-Bromofluorobenzene (Surr)		Invalid Compound ID	laveyt	06/20/22 10:24
Acetone		Invalid Compound ID	laveyt	06/20/22 10:25
Bromomethane		Invalid Compound ID	laveyt	06/20/22 10:25
Dibromofluoromethane (Surr)		Invalid Compound ID	laveyt	06/20/22 10:23
Methylene Chloride		Invalid Compound ID	laveyt	06/20/22 10:26
Toluene-d8 (Surr)		Invalid Compound ID	laveyt	06/20/22 10:23
Trichlorofluoromethane		Invalid Compound ID	laveyt	06/20/22 10:25

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Instrument ID: A3UX15 Analysis Batch Number: 591728
Lab Sample ID: 240-193522-28 Client Sample ID: GW-101223-BE-045
Date Analyzed: 10/21/23 14:35 Lab File ID: UXC3437.D GC Column: DB-624 ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Butanone (MEK)		Invalid Compound ID	LQ5J	10/22/23 18:04
Carbon disulfide		Invalid Compound ID	LQ5J	10/22/23 18:04

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Instrument ID: A3UX22 Analysis Batch Number: 586277
Lab Sample ID: IC 240-586277/3 Client Sample ID: _____
Date Analyzed: 09/06/23 13:11 Lab File ID: 224014.D GC Column: DB-624 ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	1.87	Poor chromatography	PHN3	09/07/23 10:40

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Instrument ID: A3UX22 Analysis Batch Number: 591678Lab Sample ID: 240-193522-16 Client Sample ID: GW-101023-BE-037Date Analyzed: 10/20/23 17:33 Lab File ID: 225297.D GC Column: DB-624 ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane		Invalid Compound ID	PHN3	10/22/23 13:02

Lab Sample ID: 240-193522-17 Client Sample ID: GW-101123-BE-038Date Analyzed: 10/20/23 17:56 Lab File ID: 225298.D GC Column: DB-624 ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane		Invalid Compound ID	PHN3	10/22/23 13:03

Lab Sample ID: 240-193522-19 Client Sample ID: SW-101123-BE-001Date Analyzed: 10/20/23 18:45 Lab File ID: 225300.D GC Column: DB-624 ID: 0.18 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane		Invalid Compound ID	PHN3	10/22/23 13:08

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
vm125UX21_IS_00050	09/20/23	06/20/23	MEOH, Lot +2504522C286201028	10 mL	VM568718_00026	5 mL	1,4-Dichlorobenzene-d4	125 ug/mL
							Chlorobenzene-d5	125 ug/mL
							Fluorobenzene	125 ug/mL
.VM568718_00026	01/31/28		restek, Lot A0193519		(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
vm125UX21_IS_00057	01/10/24	10/10/23	MEOH, Lot ++2529822L05620162S	10 mL	VM568718_00027	5 mL	1,4-Dichlorobenzene-d4	125 ug/mL
							Chlorobenzene-d5	125 ug/mL
							Fluorobenzene	125 ug/mL
.VM568718_00027	05/31/28		restek, Lot A0198586		(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
vm125UX21_SS_00007	09/16/23	03/16/23	MEOH, Lot +2504522C286201028	100 mL	VM567650_00036	5 mL	1,2-Dichloroethane-d4 (Surr)	125 ug/mL
							4-Bromofluorobenzene (Surr)	125 ug/mL
							Dibromofluoromethane (Surr)	125 ug/mL
							Toluene-d8 (Surr)	125 ug/mL
							1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
.VM567650_00036	01/31/25		Restek, Lot A0156891		(Purchased Reagent)		4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
							1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
vm125UX21_SS_00009	04/09/24	10/09/23	MEOH, Lot +2529822L05620162S	100 mL	VM567650_00036	5 mL	1,2-Dichloroethane-d4 (Surr)	125 ug/mL
							4-Bromofluorobenzene (Surr)	125 ug/mL
							Dibromofluoromethane (Surr)	125 ug/mL
							Toluene-d8 (Surr)	125 ug/mL
							1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
.VM567650_00036	01/31/25		Restek, Lot A0156891		(Purchased Reagent)		4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
							1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
vm25UX18IS_00007	11/03/23	05/03/23	MEOH, Lot +2504522C286201028	100 mL	VM568718_00025	10 mL	1,4-Dichlorobenzene-d4	25 ug/mL
							Chlorobenzene-d5	25 ug/mL
							Fluorobenzene	25 ug/mL
.VM568718_00025	05/31/27		restek, Lot A0185399		(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
vm25UX18IS_00009	11/03/23	10/08/23	MEOH, Lot +2529822L05620162S	100 mL	VM568718_00027	10 mL	1,4-Dichlorobenzene-d4	25 ug/mL
							Chlorobenzene-d5	25 ug/mL
							Fluorobenzene	25 ug/mL
.VM568718_00027	05/31/28		restek, Lot A0198586		(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
vm25UX18SS_00008	01/28/24	07/28/23	MEOH, Lot +2504522C286201028	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
vm50is_stk_A_00011	09/18/22	03/18/22	MEOH, Lot 273166	50 mL	vm30241_00008	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5	50 ug/mL
							Fluorobenzene	50 ug/mL
.vm30241_00008	10/31/24		restek, Lot A0154377		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene	2500 ug/mL
vm50is_stk_A_00021	12/12/23	09/12/23	MEOH, Lot +2504522C286201028	50 mL	vm30241_00009	1 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							Chlorobenzene-d5	50 ug/mL
							Fluorobenzene	50 ug/mL
.vm30241_00009	05/31/27		restek, Lot A0185733		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2500 ug/mL
							Chlorobenzene-d5	2500 ug/mL
							Fluorobenzene	2500 ug/mL
vm50ss_stk_00091	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_stk_00094	11/27/23	05/28/23	MEOH, Lot 22C2862010	200 mL	VM567650_00038	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_00038	12/31/25		Restek, Lot A0167135		(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_00442	06/21/22	06/14/22	MEOH, Lot na	5 mL	VMACROLSTD_00107	5 mL	Acrolein	250 ug/mL
.VMACROLSTD_00107	06/28/22	05/28/22	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_00495	08/07/23	07/31/23	MEOH, Lot na	5 mL	VMACROLSTD_00120	5 mL	Acrolein	250 ug/mL
.VMACROLSTD_00120	08/08/23	07/08/23	MEOH, Lot 22C2862010	20 mL	VM568720_00043	0.25 mL	Acrolein	250 ug/mL
..VM568720_00043	08/31/23		restek, Lot A0182162		(Purchased Reagent)		Acrolein	20000 ug/mL
VMAROLISTDW_00500	09/08/23	09/01/23	MEOH, Lot na	5 mL	VMACROLSTD_00122	5 mL	Acrolein	250 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.VMACROLSTD_00122	10/01/23	09/01/23	MEOH, Lot 22C2862010	20 mL	VM568720_00044	0.25 mL	Acrolein	250 ug/mL
..VM568720_00044	07/31/24		restek, Lot A0193730		(Purchased Reagent)		Acrolein	20000 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
vmbfb_00032							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Total BTEX	
							Trihalomethanes, Total	
							Xylenes, Total	
					vm30026_00004	1 mL	BFB	50 ug/mL
.vm30026_00004	02/28/27		restek, Lot A0181998		(Purchased Reagent)		BFB	2000 ug/mL
VMFASGW_00458	06/21/22	06/14/22	MEOH, Lot NA	5 mL	VMFASG_00119	5 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VMFASG_00119	06/28/22	05/28/22	MEOH, Lot 0000273166	50 mL	vm569722S_00010	1 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
..vm569722S_00010	10/31/23		Restek, Lot A0159768		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
VMFASGW_00520	08/11/23	08/04/23	MEOH, Lot NA	5 mL	VMFASG_00133	5 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VMFASG_00133	09/04/23	08/04/23	MEOH, Lot 22C2862010	50 mL	vm569722S_00012	1 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
..vm569722S_00012	05/31/26		Restek, Lot A0197640		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
VMFASGW_00524	09/12/23	09/05/23	MEOH, Lot NA	5 mL	VMFASG_00134	5 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.VMFASG_00134	10/05/23	09/05/23	MEOH, Lot 22C2862010	50 mL	vm569722S_00012	1 mL	Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
							Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
..vm569722S_00012	05/31/26		Restek, Lot A0197640		(Purchased Reagent)		Vinyl chloride	50 ug/mL
							Bromomethane	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
VMFASGW_00529	10/21/23	10/14/23	MEOH, Lot NA	5 mL	VMFASG_00135	5 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
							Bromomethane	50 ug/mL
.VMFASG_00135	11/06/23	10/06/23	MEOH, Lot 22CL0562016	50 mL	vm569722S_00012	1 mL	Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
							Bromomethane	2500 ug/mL
							Chloroethane	2500 ug/mL
..vm569722S_00012	05/31/26		Restek, Lot A0197640		(Purchased Reagent)		Chloromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
							Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
VMFASGW_00530	10/29/23	10/22/23	MEOH, Lot NA	5 mL	VMFASG_00135	5 mL	Vinyl chloride	50 ug/mL
							Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.VMFASG_00135	11/06/23	10/06/23	MEOH, Lot 22CL0562016	50 mL	vm569722S_00012	1 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
							Bromomethane	2500 ug/mL
..vm569722S_00012	05/31/26		Restek, Lot A0197640		(Purchased Reagent)		Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
							Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
VMFASPW_00448	06/24/22	06/17/22	MEOH, Lot n/a	5 mL	VMRFASP_00081	5 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methylene Chloride	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	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
.VMRFASP_00081	09/30/22	04/29/22	MEOH, Lot 0000273166	100 mL	VM569721S_00007	0.8 mL	Xylenes, Total	100 ug/mL
							2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VM571992S_00008	2 mL	1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methylene Chloride	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							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 (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
..VM571992S_00008	06/30/23		Restek, Lot A0167172		(Purchased Reagent)		1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							Benzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorodibromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							o-Xylene	2500 ug/mL
							Styrene	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_00503	08/07/23	07/31/23	MEOH, Lot n/a	5 mL	VMRFASP_00086	5 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methylene Chloride	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	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
.VMRFASP_00086	01/01/24	07/01/23	MEOH, Lot 22C2862010	100 mL	VM569721S_00007	0.8 mL	Xylenes, Total	100 ug/mL
							2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VM571992S_00009	2 mL	1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methylene Chloride	50 ug/mL
							o-Xylene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	50 ug/mL
							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 (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
..VM571992S_00009	08/31/25		Restek, Lot A0195252		(Purchased Reagent)		1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							Benzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorodibromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							o-Xylene	2500 ug/mL
							Styrene	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_00507	09/06/23	08/30/23	MEOH, Lot n/a	5 mL	VMRFASP_00086	5 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methylene Chloride	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
.VMRFASP_00086	01/01/24	07/01/23	MEOH, Lot 22C2862010	100 mL	VM569721S_00007	0.8 mL	trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
							2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VM571992S_00009	2 mL	1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							m-Xylene & p-Xylene	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		
							Methylene Chloride	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	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 (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
..VM571992S_00009	08/31/25		Restek, Lot A0195252		(Purchased Reagent)		1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							Benzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorodibromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							o-Xylene	2500 ug/mL
							Styrene	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_00515	10/24/23	10/17/23	MEOH, Lot n/a	5 mL	VMRFASP_00087	5 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methylene Chloride	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	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_00087	01/31/24	10/17/23	MEOH, Lot +H4799077022J	100 mL	VM569721S_00007	0.8 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VM571992S_00009	2 mL	1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dichlorobromomethane	50 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methylene Chloride	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	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 (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
..VM571992S_00009	08/31/25		Restek, Lot A0195252		(Purchased Reagent)		1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							Benzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorodibromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							o-Xylene	2500 ug/mL
							Styrene	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
vmrgas_00430	06/18/22	06/11/22	MEOH, Lot 0000273166	10 mL	vm569722_00021	0.2 mL	Bromomethane	50 ug/mL
							Butadiene	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	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
							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_00487	08/07/23	08/02/23	MEOH, Lot +H4799077022J	10 mL	vm569722_00026	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_00026	08/31/25		Restek, Lot A0189184		(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_00492	09/07/23	08/31/23	MEOH, Lot 22C2862010	10 mL	vm569722_00026	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_00026	08/31/25		Restek, Lot A0189184		(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_00498	10/24/23	10/17/23	MEOH, Lot 221L0562016	10 mL	vm569722_00027	0.2 mL	Bromomethane	50 ug/mL
							Chloroethane	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		
.vm569722_00027	05/31/26		Restek, Lot A0198219		(Purchased Reagent)		Chloromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
							Bromomethane	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
vmrprimw_00486	06/23/22	06/16/22	MEOH, Lot NA	5 mL	VMRPRIM_00057	5 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	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-trifluoroethane	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-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
							2-Methyl-2-propanol	500 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

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SDG No.: _____

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorobromomethane	50 ug/mL
							Chlorodibromomethane	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
							Dibromomethane	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Ethylene Dibromide	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
							sec-Butylbenzene	50 ug/mL
							Styrene	50 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_00057	07/31/22	05/23/22	MEOH, Lot 0000273166	50 mL	VM569721_00007	0.4 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	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-trifluoroethane	50 ug/mL

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Job No.: 240-193522-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-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-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
							2-Methyl-2-propanol	500 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorobromomethane	50 ug/mL
							Chlorodibromomethane	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
							Dibromomethane	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Ethylene Dibromide	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 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 (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	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
							1,1,2-Trichloro-1,2,2-trifluoroethane	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-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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							4-Isopropyltoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chlorodibromomethane	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
							Dibromomethane	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Ethylene Dibromide	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							N-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
VMRPRIMW_00486	06/23/22	06/16/22	MEOH, Lot NA	5 mL	VMRPRIM_00057	5 mL	Xylenes, Total	100 ug/mL
.VMRPRIM_00057	07/31/22	05/23/22	MEOH, Lot 0000273166	50 mL	VM571992_00005	1 mL	Xylenes, Total	100 ug/mL
..VM571992_00005	10/31/22		Restek, Lot A0159680		(Purchased Reagent)		Xylenes, Total	5000 ug/mL
VMRPRIMW_00542	08/07/23	07/31/23	MEOH, Lot NA	5 mL	VMRPRIM_00063	5 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	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-trifluoroethane	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-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
							2-Methyl-2-propanol	500 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorobromomethane	50 ug/mL
							Chlorodibromomethane	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
							Dibromomethane	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Ethylene Dibromide	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
							sec-Butylbenzene	50 ug/mL
							Styrene	50 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_00063	01/01/24	07/01/23	MEOH, Lot 22C2862010	100 mL	VM569721_00008	0.8 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VM569723_00010	4 mL	2-Chloroethyl vinyl ether	100 ug/mL
					VM569724_00028	1 mL	Vinyl acetate	50 ug/mL
					VM571992_00006	2 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-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-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
							2-Methyl-2-propanol	500 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorobromomethane	50 ug/mL
							Chlorodibromomethane	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
							Dibromomethane	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Ethylene Dibromide	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 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_00008	06/30/25		Restek, Lot A0186508		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	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_00028	01/31/24		Restek, Lot A0187365		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
..VM571992_00006	09/30/24		Restek, Lot A0183568		(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-trifluoroethane	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-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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							4-Isopropyltoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chlorodibromomethane	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
							Dibromomethane	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Ethylene Dibromide	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							N-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
VMRPRIMW_00542	08/07/23	07/31/23	MEOH, Lot NA	5 mL	VMRPRIM_00063	5 mL	Xylenes, Total	100 ug/mL
.VMRPRIM_00063	01/01/24	07/01/23	MEOH, Lot 22C2862010	100 mL	VM571992_00006	2 mL	Xylenes, Total	100 ug/mL
..VM571992_00006	09/30/24		Restek, Lot A0183568		(Purchased Reagent)		Xylenes, Total	5000 ug/mL
VMRPRIMW_00546	09/06/23	08/30/23	MEOH, Lot NA	5 mL	VMRPRIM_00063	5 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	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-trifluoroethane	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-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
							2-Methyl-2-propanol	500 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorobromomethane	50 ug/mL
							Chlorodibromomethane	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
							Dibromomethane	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Ethylene Dibromide	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
							sec-Butylbenzene	50 ug/mL
							Styrene	50 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_00063	01/01/24	07/01/23	MEOH, Lot 22C2862010	100 mL	VM569721_00008	0.8 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VM569723_00010	4 mL	2-Chloroethyl vinyl ether	100 ug/mL
					VM569724_00028	1 mL	Vinyl acetate	50 ug/mL
					VM571992_00006	2 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1,2-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-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
							2-Methyl-2-propanol	500 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorobromomethane	50 ug/mL
							Chlorodibromomethane	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
							Dibromomethane	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Ethylene Dibromide	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 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_00008	06/30/25		Restek, Lot A0186508		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	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_00028	01/31/24		Restek, Lot A0187365		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
..VM571992_00006	09/30/24		Restek, Lot A0183568		(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-trifluoroethane	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-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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							4-Isopropyltoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chlorodibromomethane	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
							Dibromomethane	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Ethylene Dibromide	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							N-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 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

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
VMRPRIMW_00546	09/06/23	08/30/23	MEOH, Lot NA	5 mL	VMRPRIM_00063	5 mL	Xylenes, Total	100 ug/mL
.VMRPRIM_00063	01/01/24	07/01/23	MEOH, Lot 22C2862010	100 mL	VM571992_00006	2 mL	Xylenes, Total	100 ug/mL
..VM571992_00006	09/30/24		Restek, Lot A0183568		(Purchased Reagent)		Xylenes, Total	5000 ug/mL
VMRPRIMW_00553	10/24/23	10/17/23	MEOH, Lot NA	5 mL	VMRPRIM_00063	5 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methylene Chloride	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	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
.VMRPRIM_00063	01/01/24	07/01/23	MEOH, Lot 22C2862010	100 mL	VM569721_00008	0.8 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VM571992_00006	2 mL	1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.:

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
							Benzene	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methylene Chloride	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	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
..VM569721_00008	06/30/25	Restek, Lot A0186508			(Purchased Reagent)		Trichloroethene	50 ug/mL
							Xylenes, Total	100 ug/mL
							2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
..VM571992_00006	09/30/24	Restek, Lot A0183568			(Purchased Reagent)		Acetone	12500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropene	2500 ug/mL
							Benzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorodibromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methylene Chloride	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o-Xylene	2500 ug/mL
							Styrene	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
VMRPRIMW_00554	10/25/23	10/18/23	MEOH, Lot NA	5 mL	VMRPRIM_00063	5 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methylene Chloride	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	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
.VMRPRIM_00063	01/01/24	07/01/23	MEOH, Lot 22C2862010	100 mL	VM569721_00008	0.8 mL	2-Butanone (MEK)	100 ug/mL
							2-Hexanone	100 ug/mL
							4-Methyl-2-pentanone (MIBK)	100 ug/mL
							Acetone	100 ug/mL
					VM571992_00006	2 mL	1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							Benzene	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methylene Chloride	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	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
..VM569721_00008	06/30/25		Restek, Lot A0186508		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
..VM571992_00006	09/30/24		Restek, Lot A0183568		(Purchased Reagent)		1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							Benzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorodibromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							m-Xylene & p-Xylene	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							o-Xylene	2500 ug/mL
							Styrene	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

Reagent

vm30026_00003



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30026 Lot No.: A0141187
Description : 4-Bromofluorobenzene Mixture
4-Bromofluorobenzene 2000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : August 31, 2023 Storage: 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	1-Bromo-4-fluorobenzene (BFB)	2,004.7 µg/mL	+/- 11.7645	µg/mL	Gravimetric	
	CAS # 460-00-4 (Lot 20401KO)		+/- 112.4110	µg/mL	Unstressed	
	Purity 99%		+/- 115.0408	µg/mL	Stressed	

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

vm30026_00004

VM30026-00004

Rec'd 6/3/22



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Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30026 **Lot No.:** A0181998
Description : 4-Bromofluorobenzene Mixture
4-Bromofluorobenzene 2000µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : February 28, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB) CAS # 460-00-4 (Lot 20401KO) Purity 99%	2,002.0 µg/mL	+/- 11.7489 µg/mL Gravimetric +/- 112.2615 µg/mL Unstressed +/- 114.8878 µg/mL Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

vm30241_00009



Safety Data Sheet

Revision Date: 11/03/20

www.restek.com

2 Letter ISO country code/language code: US/EN

1. IDENTIFICATION

Catalog Number / Product Name: 30241 / 8260A Internal Standard Mix
Company: Restek Corporation
Address: 110 Benner Circle
Bellefonte, Pa. 16823
Phone#: 814-353-1300
Fax#: 814-353-1309
Emergency#: 800-424-9300 (CHEMTREC)
703-527-3887 (Outside the US)
Email: www.restek.com
Revision Number: 12
Intended use: For Laboratory use only

2. HAZARD(S) IDENTIFICATION

Emergency Overview:

**GHS Hazard
Symbols:**



GHS Classification: Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 1
Flammable Liquid Category 2
Acute Toxicity - Inhalation Dust / Mist Category 3
Acute Toxicity - Dermal Category 3
Acute Toxicity - Oral Category 3

**GHS Signal
Word:** Danger

GHS Hazard: Highly flammable liquid and vapour.
Toxic if swallowed, in contact with skin or if inhaled.
Causes damage to organs.

**GHS
Precautions:**

Safety Precautions: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilation and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash hands and skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

First Aid Measures: IF SWALLOWED: Immediately call a POISON CENTER/doctor/....
IF ON SKIN: Wash with plenty of soap and water.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Specific treatment see section 4.
Rinse mouth.
Take off immediately all contaminated clothing and wash it before reuse.
In case of fire: Use extinguishing media in section 5 for extinction.

Storage: Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.
Store locked up.

Disposal: Dispose of contents/container according to section 13 of the SDS.

Single Exposure Target Organs: Specific target organ toxicity - Single exposure - STOT SE 1: H370 Causes damage to organs. (C $\geq$ 10 %; No information to prove exclusion of certain routes of exposure); Specific target organ toxicity - Single exposure - STOT SE 2: H371 May cause damage to organs. (3 % $\leq$ C < 10 %; Concentration limits for acute toxicity cannot be translated into GHS from the DSD especially when minimum classifications are given)

Repeated Exposure Target Organs: No data available

3. COMPOSITION / INFORMATION ON INGREDIENT

Chemical Name	CAS #	EINEC #	% Composition
P&T Methanol	67-56-1	200-659-6	99.25
1,4-dichlorobenzene-d4	3855-82-1		0.25
fluorobenzene	462-06-6	207-321-7	0.25
chlorobenzene-d5	3114-55-4	221-482-0	0.25

4. FIRST-AID MEASURES

Inhalation: Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately

Eyes: Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.

Skin Contact: Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

Ingestion: Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this SDS.

5. FIRE- FIGHTING MEASURES

Extinguishing Media: Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire.

Fire and/or Explosion Hazards: Vapors may be ignited by sparks, flames or other sources of ignition if material is above the flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back.

Fire Fighting Methods and Protection: Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.

Hazardous Combustion Products: Carbon dioxide, Carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment: Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this SDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits.

Methods for Clean-up: Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

7. HANDLING AND STORAGE

Handling Technical Measures and Precautions:	Toxic or severely irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Use spark-proof tools and explosion-proof equipment
Storage Technical Measures and Conditions:	Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep away from sources of ignition

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

United States:

Chemical Name	CAS No.	IDLH	ACGIH STEL	ACGIH TLV-TWA	OSHA Exposure Limit
P&T Methanol	67-56-1	6000 ppm IDLH	250 ppm STEL	200 ppm TWA	200 ppm TWA; 260 mg/m3 TWA

Personal Protection:

Engineering Measures:

Local exhaust ventilation is recommended when generating excessive levels of vapours from handling or thermal processing.

Respiratory Protection:

Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. If an exposure limit is exceeded or if an operator is experiencing symptoms of inhalation overexposure as explained in Section 3, provide respiratory protection.

Eye Protection:

Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Skin Protection:

Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance, color:	No data available
Odor:	Mild
Physical State:	Liquid
pH:	Not applicable
Vapor Pressure:	No data available
Vapor Density:	1.1 (air = 1)
Boiling Point (°C):	64.7 °C at 760 mmHg (HSDB)
Melting Point (°C):	-98 °C
Flash Point (°F):	52
Flammability:	Highly Flammable
Upper Flammable/Explosive Limit, % in air:	36
Lower Flammable/Explosive Limit, % in air:	6
Autoignition Temperature (°C):	464 deg C
Decomposition Temperature (°C):	No data available
Specific Gravity:	0.791 - 0.792 g/cm3 at 20 °C
Evaporation Rate:	No data available
Odor Threshold:	No data available
Solubility:	Moderate; 50-99%
Partition Coefficient: n-octanol in water:	No data available
VOC % by weight:	99.25
Molecular Weight:	32.04

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	None known.
Materials to Avoid / Chemical Incompatibility:	Strong oxidizing agents
Hazardous Decomposition Products:	Carbon dioxide Carbon monoxide

11. TOXICOLOGICAL INFORMATION

Routes of Entry:	Inhalation, Skin Contact, Eye Contact, Ingestion
Target Organs Potentially Affected By Exposure:	Eyes, Central nervous system stimulation, Skin, GI Tract, Respiratory Tract
Chemical Interactions That Change Toxicity:	None Known

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation:	Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
Inhalation Toxicity:	Harmful! Can cause systemic damage (see "Target Organs")Methanol can cause central nervous system depression and overexposure can cause damage to the optic nerve resulting in visual impairment or blindness.
Skin Contact:	Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Eye Contact:	Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Ingestion Irritation:	Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.Highly toxic and may be fatal if swallowed.
Ingestion Toxicity:	Toxic if swallowed. May cause target organ failure and/or death.May be fatal if swallowed.

Long-Term (Chronic) Health Effects:

Carcinogenicity:	No data.
Reproductive and Developmental Toxicity:	No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
Inhalation:	Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.Harmful! Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs")
Skin Contact:	Upon prolonged or repeated contact, can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.
Ingestion:	Toxic if swallowed. May cause target organ failure and/or death.

Component Toxicological Data:**NIOSH:**

Chemical Name	CAS No.	LD50/LC50
Methanol	67-56-1	Inhalation LC50 Rat 22500 ppm 8 h

Component Carcinogenic Data:**OSHA:**

Chemical Name	CAS No.
No data available	

ACGIH:

Chemical Name	CAS No.
No data available	

NIOSH:

Chemical Name	CAS No.
No data available	

NTP:

Chemical Name	CAS No.
No data available	

IARC:

Chemical Name	CAS No.	Group No.

12. ECOLOGICAL INFORMATION

Overview:	Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.
Mobility:	No data
Persistence:	No data
Bioaccumulation:	No data
Degradability:	Biodegrades slowly.
Ecological Toxicity Data:	No data available

13. DISPOSAL CONSIDERATIONS

Waste Description of Spent Product:

Spent or discarded material is a hazardous waste. Mixing spent or discarded material with other materials may render the mixture hazardous. Perform a hazardous waste determination on mixtures.

Disposal Methods:

Dispose of by incineration following Federal, State, Local, or Provincial regulations.

Waste Disposal of Packaging:

Comply with all Local, State, Federal, and Provincial Environmental Regulations.

14. TRANSPORTATION INFORMATION**United States:**

DOT Proper Shipping Name: Methanol
UN Number: UN1230
Hazard Class: 3
Packing Group: II

International:

IATA Proper Shipping Name: Methanol
UN Number: UN1230
Hazard Class: 3(6.1)
Packing Group: II

Marine Pollutant: No

Chemical Name	CAS#	Marine Pollutant	Severe Marine Pollutant
No data available			

15. REGULATORY INFORMATION**United States:**

Chemical Name	CAS#	CERCLA	SARA 313	SARA EHS 313	TSCA
P&T Methanol	67-56-1	X	X	-	X

The following chemicals are listed on CA Prop 65:

Chemical Name	CAS #	Regulation
Methanol	67-56-1	Prop 65 Develop Tox

State Right To Know Listing:

Chemical Name	CAS#	New Jersey	Massachusetts	Pennsylvania	California
P&T Methanol	67-56-1	X	X	X	X
1,4-dichlorobenzene-d4	3855-82-1	-	-	-	-
fluorobenzene	462-06-6	X	X	X	-
chlorobenzene-d5	3114-55-4	-	-	-	-

16. OTHER INFORMATION

Prior Version Date: 04/22/19

Other Information: Any changes to the SDS compared to previous versions are marked by a vertical line in front of the concerned paragraph.

References: No data available

Disclaimer: Restek Corporation provides the descriptions, data and information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. It is provided for your guidance only. Because many factors may affect processing or application/use, Restek Corporation recommends you perform an assessment to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding products described, data or information set forth. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.



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Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30241 **Lot No.:** A0185733
Description : 8260A Internal Standard Mix
8260A Internal Standard Mix 2,500 µg/mL, P&T Methanol, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : May 31, 2027 **Storage:** 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Fluorobenzene CAS # 462-06-6 (Lot BCBZ5549) Purity 99%	2,504.0 µg/mL	+/- 14.5585 µg/mL Gravimetric +/- 140.3968 µg/mL Unstressed +/- 143.6819 µg/mL Stressed
2	Chlorobenzene-d5 CAS # 3114-55-4 (Lot PR-29571) Purity 99%	2,508.0 µg/mL	+/- 14.5817 µg/mL Gravimetric +/- 140.6211 µg/mL Unstressed +/- 143.9114 µg/mL Stressed
3	1,4-Dichlorobenzene-d4 CAS # 3855-82-1 (Lot PR-30447) Purity 99%	2,500.6 µg/mL	+/- 14.5387 µg/mL Gravimetric +/- 140.2062 µg/mL Unstressed +/- 143.4868 µg/mL Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Rec'd 9.13.22 TS/HB

Column:

105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:

hydrogen-constant pressure 11.0 psi.

Temp. Program:

40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:

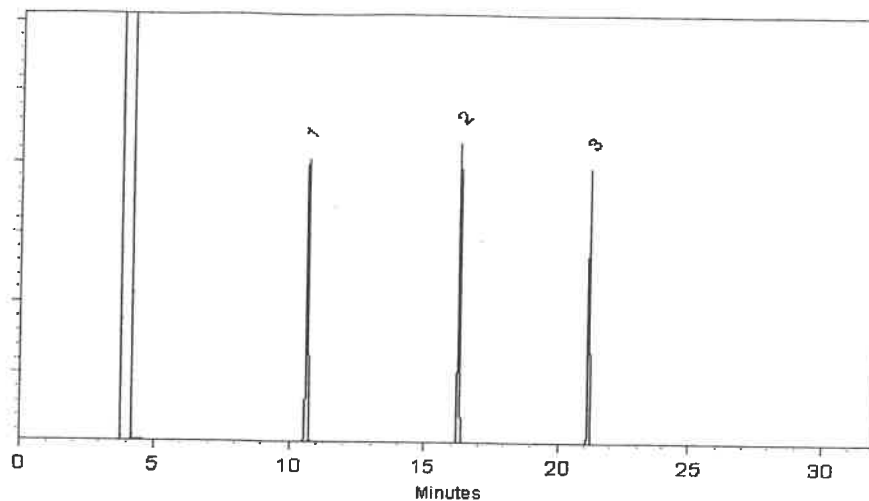
200°C

Det. Temp:

250°C

Det. Type:

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey - Operations Technician I

Date Mixed: 26-May-2022

Balance: B707717271

Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 31-May-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

VM567650_00035



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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567650 Lot No.: A0143613
Description : 8260 Surrogate Standard
8260 Surrogate Standard 2,500µg/mL, P&T Methanol, 5mL/ampul
Container Size : 5 mL Pkg Amt: > 5 mL
Expiration Date : November 30, 2023 Storage: 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Dibromofluoromethane CAS # 1868-53-7 (Lot 0012017) Purity 99%	2,506.4 µg/mL	+/- 14.5724 µg/mL Gravimetric +/- 140.5314 µg/mL Unstressed +/- 143.8196 µg/mL Stressed
2	1,2-Dichloroethane-d4 CAS # 17060-07-0 (Lot PR-29377) Purity 99%	2,503.8 µg/mL	+/- 14.5570 µg/mL Gravimetric +/- 140.3828 µg/mL Unstressed +/- 143.6676 µg/mL Stressed
3	Toluene-d8 CAS # 2037-26-5 (Lot PR-27311) Purity 99%	2,512.2 µg/mL	+/- 14.6059 µg/mL Gravimetric +/- 140.8538 µg/mL Unstressed +/- 144.1496 µg/mL Stressed
4	1-Bromo-4-fluorobenzene (BFB) CAS # 460-00-4 (Lot 20401KO) Purity 99%	2,501.8 µg/mL	+/- 14.5457 µg/mL Gravimetric +/- 140.2734 µg/mL Unstressed +/- 143.5557 µg/mL Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

VM567650_00036



CERTIFIED REFERENCE MATERIAL

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Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567650 **Lot No.:** A0156891
Description : 8260 Surrogate Standard
8260 Surrogate Standard 2,500µg/mL, P&T Methanol, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : January 31, 2025 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)		Expanded Uncertainty (95% C.L.; K=2)					
1	Dibromofluoromethane		2,510.9	µg/mL	+/-	14.5986	µg/mL	Gravimetric		
	CAS #	1868-53-7				(Lot 0012016)	+/-	140.7837	µg/mL	Unstressed
	Purity	99%				+/-	144.0778	µg/mL	Stressed	
2	1,2-Dichloroethane-d4		2,510.2	µg/mL	+/-	14.5945	µg/mL	Gravimetric		
	CAS #	17060-07-0				(Lot PR-29377)	+/-	140.7444	µg/mL	Unstressed
	Purity	99%				+/-	144.0377	µg/mL	Stressed	
3	Toluene-d8		2,513.0	µg/mL	+/-	14.6105	µg/mL	Gravimetric		
	CAS #	2037-26-5				(Lot I-21928)	+/-	140.8986	µg/mL	Unstressed
	Purity	99%				+/-	144.1955	µg/mL	Stressed	
4	1-Bromo-4-fluorobenzene (BFB)		2,514.4	µg/mL	+/-	14.6186	µg/mL	Gravimetric		
	CAS #	460-00-4				(Lot 20401KO)	+/-	140.9771	µg/mL	Unstressed
	Purity	99%				+/-	144.2758	µg/mL	Stressed	
Solvent:	P&T Methanol									
	CAS #	67-56-1								
	Purity	99%								

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

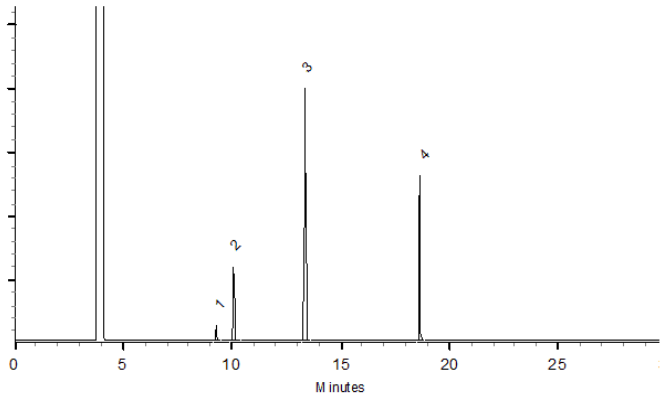
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cydnei L. Crust
Cydnei L. Crust - Mix Technician

Date Mixed: 19-Jan-2020 **Balance:** B251644995

Justin Albertson
Justin Albertson - Operations Tech-ARM QC

Date Passed: 21-Jan-2020

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

VM567650_00038



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

Rec: 4/16/21 (29)
VM567650-00038



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567650 **Lot No.:** A0167135

Description : 8260 Surrogate Standard

8260 Surrogate Standard 2,500µg/mL, P&T Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Dibromofluoromethane CAS # 1868-53-7 (Lot 0012016) Purity 99%	2,523.0 µg/mL	+/- 14.6689 µg/mL Gravimetric +/- 141.4621 µg/mL Unstressed +/- 144.7721 µg/mL Stressed
2	1,2-Dichloroethane-d4 CAS # 17060-07-0 (Lot PR-29377) Purity 99%	2,509.4 µg/mL	+/- 14.5899 µg/mL Gravimetric +/- 140.6996 µg/mL Unstressed +/- 143.9918 µg/mL Stressed
3	Toluene-d8 CAS # 2037-26-5 (Lot PR-30867) Purity 99%	2,503.2 µg/mL	+/- 14.5538 µg/mL Gravimetric +/- 140.3519 µg/mL Unstressed +/- 143.6360 µg/mL Stressed
4	1-Bromo-4-fluorobenzene (BFB) CAS # 460-00-4 (Lot 20401KO) Purity 99%	2,523.8 µg/mL	+/- 14.6736 µg/mL Gravimetric +/- 141.5070 µg/mL Unstressed +/- 144.8180 µg/mL Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

VM568718_00025

Rec: 9/15/02

VM56
VM568718-00025

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568718 **Lot No.:** A0185399

Description : 8260 Internal Standard 2014

8260 Internal Standard 2014 250-5,000µg/mL, P&T Methanol/Water (90:10), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : May 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	tert-Butyl-d9-alcohol	5,001.2 µg/mL	+/-	29.0759	µg/mL	Gravimetric
	CAS # 25725-11-5 (Lot CD-107)		+/-	107.0759	µg/mL	Unstressed
	Purity 99%		+/-	110.1888	µg/mL	Stressed
2	2-Butanone-d5	1,262.5 µg/mL	+/-	7.3403	µg/mL	Gravimetric
	CAS # 24313-50-6 (Lot M-276)		+/-	27.0303	µg/mL	Unstressed
	Purity 99%		+/-	27.8161	µg/mL	Stressed
3	Fluorobenzene	250.9 µg/mL	+/-	1.4618	µg/mL	Gravimetric
	CAS # 462-06-6 (Lot BCBZ5549)		+/-	5.3716	µg/mL	Unstressed
	Purity 99%		+/-	5.5278	µg/mL	Stressed
4	1,4-Dioxane-d8	5,015.3 µg/mL	+/-	29.1576	µg/mL	Gravimetric
	CAS # 17647-74-4 (Lot RP220427)		+/-	107.3767	µg/mL	Unstressed
	Purity 99%		+/-	110.4983	µg/mL	Stressed
5	Chlorobenzene-d5	250.9 µg/mL	+/-	1.4621	µg/mL	Gravimetric
	CAS # 3114-55-4 (Lot PR-29571)		+/-	5.3727	µg/mL	Unstressed
	Purity 99%		+/-	5.5289	µg/mL	Stressed
6	1,4-Dichlorobenzene-d4	252.0 µg/mL	+/-	1.4682	µg/mL	Gravimetric
	CAS # 3855-82-1 (Lot PR-30447)		+/-	5.3952	µg/mL	Unstressed
	Purity 99%		+/-	5.5520	µg/mL	Stressed

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.



Safety Data Sheet

Revision Date: 09/13/21

www.restek.com

2 Letter ISO country code/language code: US/EN

1. IDENTIFICATION

Catalog Number / Product Name: 568718 / 8260 Internal Standard 2014
Company: Restek Corporation
Address: 110 Benner Circle
Bellefonte, Pa. 16823
Phone#: 814-353-1300
Fax#: 814-353-1309
Emergency#: 800-424-9300 (CHEMTREC)
703-527-3887 (Outside the US)
Email: www.restek.com
Revision Number: 4
Intended use: For Laboratory use only

2. HAZARD(S) IDENTIFICATION

Emergency Overview:

GHS Hazard
Symbols:



GHS Classification: Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 1
Flammable Liquid Category 2
Acute Toxicity - Inhalation Dust / Mist Category 3
Acute Toxicity - Dermal Category 3
Acute Toxicity - Oral Category 3

GHS Signal Word: Danger

GHS Hazard: Highly flammable liquid and vapour.
Toxic if swallowed, in contact with skin or if inhaled.
Causes damage to organs.

GHS Precautions:

Safety Precautions: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilation and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapours/spray.
Wash hands and skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.

First Aid Measures: IF SWALLOWED: Immediately call a POISON CENTER/doctor/....
IF ON SKIN: Wash with plenty of soap and water.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Specific treatment see section 4.
Rinse mouth.
Take off immediately all contaminated clothing and wash it before reuse.
In case of fire: Use extinguishing media in section 5 for extinction.

created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits.

Methods for Clean-up:

Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container

7. HANDLING AND STORAGE

Handling Technical Measures and Precautions:	Toxic or severely irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Use spark-proof tools and explosion-proof equipment
Storage Technical Measures and Conditions:	Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Keep away from sources of ignition

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

United States:

Chemical Name	CAS No.	IDLH	ACGIH STEL	ACGIH TLV-TWA	OSHA Exposure Limit
P&T Methanol	67-56-1	6000 ppm IDLH	250 ppm STEL	200 ppm TWA	200 ppm TWA; 260 mg/m3 TWA
water	7732-18-5	Not established	None Known	Not established	No data available
1,4-dioxane-d8	17647-74-4	Not established	None Known	Not established	No data available

Personal Protection:

Engineering Measures:

Local exhaust ventilation is recommended when generating excessive levels of vapours from handling or thermal processing.

Respiratory Protection:

No respiratory protection required under normal conditions of use. Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. If an exposure limit is exceeded or if an operator is experiencing symptoms of inhalation overexposure as explained in Section 3, provide respiratory protection.

Eye Protection:

Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Skin Protection:

Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance, color:	No data available
Odor:	Mild
Physical State:	Liquid
pH:	Not applicable
Vapor Pressure:	No data available
Vapor Density:	1.1 (air = 1)
Boiling Point (°C):	100 °C Boiling Point 64.7 °C at 1013 hPa (ECHA_API)
Melting Point (°C):	-98 °C
Flash Point (°F):	52
Flammability:	Highly Flammable
Upper Flammable/Explosive Limit, % in air:	36
Lower Flammable/Explosive Limit, % in air:	6
Autoignition Temperature (°C):	464 deg C
Decomposition Temperature (°C):	No data available
Specific Gravity:	0.791 - 0.792 g/cm3 at 20 °C
Evaporation Rate:	No data available

NIOSH:

Chemical Name
No data available

CAS No.**NTP:**

Chemical Name
No data available

CAS No.**IARC:****Chemical Name****CAS No.****Group No.****12. ECOLOGICAL INFORMATION****Overview:**

Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.

Mobility:

No data

Persistence:

No data

Bioaccumulation:

No data

Degradability:

Biodegrades slowly.

Ecological Toxicity Data:

No data available

13. DISPOSAL CONSIDERATIONS**Waste Description of Spent Product:**

Spent or discarded material is a hazardous waste. Mixing spent or discarded material with other materials may render the mixture hazardous. Perform a hazardous waste determination on mixtures.

Disposal Methods:

Dispose of by incineration following Federal, State, Local, or Provincial regulations.

Waste Disposal of Packaging:

Comply with all Local, State, Federal, and Provincial Environmental Regulations.

14. TRANSPORTATION INFORMATION**United States:****DOT Proper Shipping Name:**

Flammable liquids, n.o.s. (Methanol, Fluorobenzene)

UN Number:

UN1993

Hazard Class:

3

Packing Group:

II

International:**IATA Proper Shipping Name:**

Flammable liquids, n.o.s. (Methanol, Fluorobenzene)

UN Number:

UN1993

Hazard Class:

3

Packing Group:

II

Marine Pollutant: No

Chemical Name	CAS#	Marine Pollutant	Severe Marine Pollutant
No data available			

15. REGULATORY INFORMATION**United States:**

Chemical Name	CAS#	CERCLA	SARA 313	SARA EHS 313	TSCA
P&T Methanol	67-56-1	X	X	-	X
water	7732-18-5	-	-	-	X
1,4-dioxane-d8	17647-74-4	-	-	-	-

The following chemicals are listed on CA Prop 65:

Chemical Name	CAS #	Regulation
Methanol	67-56-1	Prop 65 Develop Tox

Reagent

VM568718_00026



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chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568718 **Lot No.:** A0193519

Description : 8260 Internal Standard 2014

8260 Internal Standard 2014 250-5,000µg/mL, P&T Methanol/Water (90:10), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	tert-Butyl-d9-alcohol	25725-11-5	CD-107	99%	5,049.8 µg/mL	+/- 62.7151
2	2-Butanone-d5	24313-50-6	M-276	99%	1,262.0 µg/mL	+/- 15.6735
3	Fluorobenzene	462-06-6	BCBZ5549	99%	249.6 µg/mL	+/- 3.1015
4	1,4-Dioxane-d8	17647-74-4	RP221227	99%	5,048.7 µg/mL	+/- 62.7020
5	Chlorobenzene-d5	3114-55-4	PR-29571	99%	252.5 µg/mL	+/- 3.1369
6	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	252.5 µg/mL	+/- 3.1369

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)

CAS # 67-56-1/7732-18-5

Purity 99%

Reagent

VM568718_00027



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Catalog No. : 568718 **Lot No.:** A0198586

Description : 8260 Internal Standard 2014

8260 Internal Standard 2014 250-5,000µg/mL, P&T Methanol/Water (90:10), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : May 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	tert-Butyl-d9-alcohol	25725-11-5	HJ-479	99%	5,003.0 µg/mL	+/- 62.1338
2	2-Butanone-d5	24313-50-6	M-276	99%	1,252.5 µg/mL	+/- 15.5555
3	Fluorobenzene	462-06-6	BCBZ5549	99%	250.4 µg/mL	+/- 3.1114
4	1,4-Dioxane-d8	17647-74-4	RP230202	99%	5,014.5 µg/mL	+/- 62.2773
5	Chlorobenzene-d5	3114-55-4	PR-29571	99%	251.0 µg/mL	+/- 3.1189
6	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	250.2 µg/mL	+/- 3.1083

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)

CAS # 67-56-1/7732-18-5

Purity 99%

Reagent

VM568720_00042

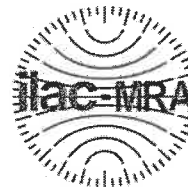


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Certificate of Analysis



Rec'd 1/27/22
VM568720-22042

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568720 **Lot No.:** A0175809
Description : 8260 List 1/Std #5 Acrolein High
8260 List 1/Std #5 Acrolein High 19,750µg/mL, Water, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : February 28, 2023 **Storage:** -20°C or colder
Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Acrolein		19,891.5 µg/mL	+/-	116.4691 µg/mL	Gravimetric
	CAS #	107-02-8 (Lot RD210729)		+/-	397.3790 µg/mL	Unstressed
	Purity	99%		+/-	891.5094 µg/mL	Stressed

Solvent: Water
CAS # 7732-18-5
Purity 99%

Reagent

VM568720_00043

VM 568720 — 00043

Rel 9/21/12

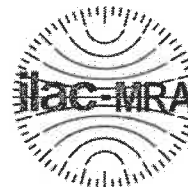


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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568720 **Lot No.:** A0182162

Description : 8260 List 1/Std #5 Acrolein High

8260 List 1/Std #5 Acrolein High 19,750µg/mL, Water, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2023 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Acrolein	19,750.0 µg/mL	+/- 115.6406 µg/mL Gravimetric
	CAS # 107-02-8 (Lot RD220120)		+/- 394.5522 µg/mL Unstressed
	Purity 99%		+/- 885.1676 µg/mL Stressed

Solvent: Water

CAS # 7732-18-5

Purity 99%

Reagent

VM568720_00044

VM568720 — 00044

Rec'd 3/14/23 T.J.L.2



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568720 **Lot No.:** A0193730

Description : 8260 List 1/Std #5 Acrolein High
8260 List 1/Std #5 Acrolein High 19,750µg/mL, Water, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2024 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acrolein	107-02-8	RD221019	99%	19,924.7 µg/mL	+/- 585.3463

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Water
CAS # 7732-18-5
Purity 99%

Reagent

VM569721_00007



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CERTIFIED REFERENCE MATERIAL

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569721 **Lot No.:** A0152956

Description : 8260 List 1/ Std #2 Ketones (2015)

8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2022 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)		Expanded Uncertainty (95% C.L.; K=2)				
1	Acetone		12,546.0	µg/mL	+/-	73.4596	µg/mL	Gravimetric	
	CAS #	67-64-1			(Lot SHBK6362)	+/-	757.0057	µg/mL	Unstressed
	Purity	99%			+/-	758.8027	µg/mL	Stressed	
2	2-Butanone (MEK)		12,564.0	µg/mL	+/-	73.5650	µg/mL	Gravimetric	
	CAS #	78-93-3			(Lot SHBK5945)	+/-	758.0918	µg/mL	Unstressed
	Purity	99%			+/-	759.8914	µg/mL	Stressed	
3	4-Methyl-2-pentanone (MIBK)		12,558.0	µg/mL	+/-	73.5299	µg/mL	Gravimetric	
	CAS #	108-10-1			(Lot SHBK5017)	+/-	757.7297	µg/mL	Unstressed
	Purity	99%			+/-	759.5285	µg/mL	Stressed	
4	2-Hexanone		12,562.0	µg/mL	+/-	73.5533	µg/mL	Gravimetric	
	CAS #	591-78-6			(Lot MKCD9048)	+/-	757.9711	µg/mL	Unstressed
	Purity	99%			+/-	759.7704	µg/mL	Stressed	
Solvent:	P&T Methanol/Water (90:10)								
	CAS #	67-56-1/7732-18-5							
	Purity	99%							

Reagent

VM569721_00008

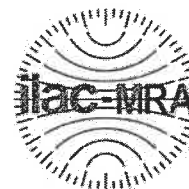


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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569721 **Lot No.:** A0186508

Description : 8260 List 1/ Std #2 Ketones (2015)

8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Acetone CAS # 67-64-1 (Lot MKCQ7914) Purity 99%	12,514.5 µg/mL	+/- 73.2751 µg/mL Gravimetric +/- 755.1050 µg/mL Unstressed +/- 756.8975 µg/mL Stressed
2	2-Butanone (MEK) CAS # 78-93-3 (Lot SHBN2844) Purity 99%	12,543.5 µg/mL	+/- 73.4450 µg/mL Gravimetric +/- 756.8548 µg/mL Unstressed +/- 758.6515 µg/mL Stressed
3	4-Methyl-2-pentanone (MIBK) CAS # 108-10-1 (Lot SHBN3601) Purity 99%	12,528.5 µg/mL	+/- 73.3571 µg/mL Gravimetric +/- 755.9498 µg/mL Unstressed +/- 757.7443 µg/mL Stressed
4	2-Hexanone CAS # 591-78-6 (Lot MKCQ6663) Purity 99%	12,528.0 µg/mL	+/- 73.3542 µg/mL Gravimetric +/- 755.9196 µg/mL Unstressed +/- 757.7140 µg/mL Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Reagent

VM569721S_00007

Rc'd 11/8/21

VM 569721S-00007

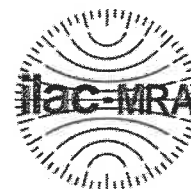


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Catalog No. : 569721.SEC Lot No.: A0167987

Description : 8260 List 1/ Std #2 Ketones (2015)
8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL

Expiration Date : January 31, 2024 Storage: 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Acetone CAS # 67-64-1.SEC (Lot S25F025) Purity 99%	12,567.5 µg/mL	+/- 73.5855 µg/mL Gravimetric +/- 758.3030 µg/mL Unstressed +/- 760.1031 µg/mL Stressed
2	2-Butanone (MEK) CAS # 78-93-3.SEC (Lot RGZ2A) Purity 99%	12,553.0 µg/mL	+/- 73.5006 µg/mL Gravimetric +/- 757.4280 µg/mL Unstressed +/- 759.2261 µg/mL Stressed
3	4-Methyl-2-pentanone (MIBK) CAS # 108-10-1.SEC (Lot E29T040) Purity 99%	12,563.5 µg/mL	+/- 73.5621 µg/mL Gravimetric +/- 758.0616 µg/mL Unstressed +/- 759.8611 µg/mL Stressed
4	2-Hexanone CAS # 591-78-6.SEC (Lot Y3TUO) Purity 98%	12,527.8 µg/mL	+/- 73.3532 µg/mL Gravimetric +/- 755.9093 µg/mL Unstressed +/- 757.7037 µg/mL Stressed

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Reagent

vm569722_00021

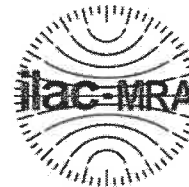


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Catalog No. : 569722 **Lot No.:** A0171131

Description : 8260 List 1 / Std #3 Gases (2015)
8260 List 1 / Std #3 Gases (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2024 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	Dichlorodifluoromethane (CFC-12)	2,500.4 µg/mL	+/-	17.4665	µg/mL	Gravimetric
	CAS # 75-71-8 (Lot 00012554)		+/-	140.5300	µg/mL	Unstressed
	Purity 99%		+/-	143.8028	µg/mL	Stressed
2	Chloromethane (methyl chloride)	2,500.3 µg/mL	+/-	17.4265	µg/mL	Gravimetric
	CAS # 74-87-3 (Lot SHBK6571)		+/-	140.5200	µg/mL	Unstressed
	Purity 99%		+/-	143.7928	µg/mL	Stressed
3	Vinyl chloride	2,501.4 µg/mL	+/-	16.6715	µg/mL	Gravimetric
	CAS # 75-01-4 (Lot 00015559)		+/-	140.4849	µg/mL	Unstressed
	Purity 99%		+/-	143.7611	µg/mL	Stressed
4	1,3-Butadiene	2,499.9 µg/mL	+/-	17.9031	µg/mL	Gravimetric
	CAS # 106-99-0 (Lot 00019375)		+/-	140.5578	µg/mL	Unstressed
	Purity 99%		+/-	143.8287	µg/mL	Stressed
5	Bromomethane (methyl bromide)	2,500.8 µg/mL	+/-	16.8347	µg/mL	Gravimetric
	CAS # 74-83-9 (Lot 101604)		+/-	140.4711	µg/mL	Unstressed
	Purity 99%		+/-	143.7461	µg/mL	Stressed
6	Chloroethane (ethyl chloride)	2,501.1 µg/mL	+/-	17.4608	µg/mL	Gravimetric
	CAS # 75-00-3 (Lot 107-401039114-1)		+/-	140.5674	µg/mL	Unstressed
	Purity 99%		+/-	143.8412	µg/mL	Stressed
7	Dichlorofluoromethane (CFC-21)	2,500.0 µg/mL	+/-	14.5352	µg/mL	Gravimetric
	CAS # 75-43-4 (Lot 10172500)		+/-	140.1725	µg/mL	Unstressed
	Purity 99%		+/-	143.4524	µg/mL	Stressed

Reagent

vm569722_00026

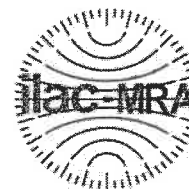


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Catalog No. : 569722 **Lot No.:** A0189184

Description : 8260 List 1 / Std #3 Gases (2015)

8260 List 1 / Std #3 Gases (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Dichlorodifluoromethane (CFC-12) CAS # 75-71-8 (Lot 00012554) Purity 99%	2,500.3 µg/mL	+/- 18.6878 µg/mL +/- 140.6792 µg/mL +/- 143.9483 µg/mL	Gravimetric Unstressed Stressed	
2	Chloromethane (methyl chloride) CAS # 74-87-3 (Lot SHBK6571) Purity 99%	2,500.0 µg/mL	+/- 17.9318 µg/mL +/- 140.5648 µg/mL +/- 143.8357 µg/mL	Gravimetric Unstressed Stressed	
3	Vinyl chloride CAS # 75-01-4 (Lot 00015559) Purity 99%	2,500.2 µg/mL	+/- 20.7208 µg/mL +/- 140.9576 µg/mL +/- 144.2201 µg/mL	Gravimetric Unstressed Stressed	
4	1,3-Butadiene CAS # 106-99-0 (Lot 00019375) Purity 99%	2,499.9 µg/mL	+/- 18.9759 µg/mL +/- 140.6968 µg/mL +/- 143.9645 µg/mL	Gravimetric Unstressed Stressed	
5	Bromomethane (methyl bromide) CAS # 74-83-9 (Lot 101604) Purity 99%	2,500.1 µg/mL	+/- 19.8264 µg/mL +/- 140.8262 µg/mL +/- 144.0915 µg/mL	Gravimetric Unstressed Stressed	
6	Chloroethane (ethyl chloride) CAS # 75-00-3 (Lot 107-401039114-1) Purity 99%	2,500.6 µg/mL	+/- 23.7833 µg/mL +/- 141.4639 µg/mL +/- 144.7161 µg/mL	Gravimetric Unstressed Stressed	
7	Dichlorofluoromethane (CFC-21) CAS # 75-43-4 (Lot 12841600) Purity 99%	2,500.0 µg/mL	+/- 14.5352 µg/mL +/- 140.1725 µg/mL +/- 143.4524 µg/mL	Gravimetric Unstressed Stressed	

Reagent

vm569722_00027

Rev 8-30-23

VH 569722 - 00027



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Catalog No. : 569722 **Lot No.:** A0198219

Description : 8260 List 1 / Std #3 Gases (2015)

8260 List 1 / Std #3 Gases (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,501.0 µg/mL	+/- 141.1841
2	Chloromethane (methyl chloride)	74-87-3	SHBM9611	99%	2,503.5 µg/mL	+/- 141.4535
3	Vinyl chloride	75-01-4	00015559	99%	2,504.0 µg/mL	+/- 141.5201
4	1,3-Butadiene	106-99-0	00015314	99%	2,503.4 µg/mL	+/- 140.8433
5	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,508.8 µg/mL	+/- 141.7591
6	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,500.4 µg/mL	+/- 141.1450
7	Dichlorofluoromethane (CFC-21)	75-43-4	14150400	90%	2,502.0 µg/mL	+/- 140.5515
8	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,504.2 µg/mL	+/- 141.6568

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

vm569722s_00010



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VM5697225-00010

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Catalog No. : 569722.SEC **Lot No.:** A0159768

Description : 8260 List 1 / Std #3 Gases (2015)

8260 List 1 / Std #3 Gases (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2023 **Storage:** 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	Dichlorodifluoromethane (CFC-12)	2,501.8 µg/mL	+/-	19.9803	µg/mL	Gravimetric
	CAS # 75-71-8.SEC (Lot 26165)		+/-	140.9385	µg/mL	Unstressed
	Purity 99%		+/-	144.2054	µg/mL	Stressed
2	Chloromethane (methyl chloride)	2,510.1 µg/mL	+/-	18.7758	µg/mL	Gravimetric
	CAS # 74-87-3.SEC (Lot 18343)		+/-	141.2337	µg/mL	Unstressed
	Purity 99%		+/-	144.5155	µg/mL	Stressed
3	Vinyl chloride	2,518.3 µg/mL	+/-	19.4159	µg/mL	Gravimetric
	CAS # 75-01-4.SEC (Lot MKBK6872V)		+/-	141.7727	µg/mL	Unstressed
	Purity 99%		+/-	145.0634	µg/mL	Stressed
4	1,3-Butadiene	2,510.8 µg/mL	+/-	17.5328	µg/mL	Gravimetric
	CAS # 106-99-0.SEC (Lot 24033)		+/-	141.1137	µg/mL	Unstressed
	Purity 99%		+/-	144.4001	µg/mL	Stressed
5	Bromomethane (methyl bromide)	2,506.4 µg/mL	+/-	23.4232	µg/mL	Gravimetric
	CAS # 74-83-9.SEC (Lot 00017022)		+/-	141.7223	µg/mL	Unstressed
	Purity 99%		+/-	144.9835	µg/mL	Stressed
6	Chloroethane (ethyl chloride)	2,523.5 µg/mL	+/-	21.4589	µg/mL	Gravimetric
	CAS # 75-00-3.SEC (Lot 00004202)		+/-	142.3524	µg/mL	Unstressed
	Purity 99%		+/-	145.6434	µg/mL	Stressed
7	Dichlorofluoromethane (CFC-21)	2,500.0 µg/mL	+/-	14.5352	µg/mL	Gravimetric
	CAS # 75-43-4 * (Lot 4938100)		+/-	140.1725	µg/mL	Unstressed
	Purity 99%		+/-	143.4524	µg/mL	Stressed

8	Trichlorofluoromethane (CFC-11)	2,496.5 µg/mL	+/- 17.7311	µg/mL	Gravimetric
	CAS # 75-69-4.SEC (Lot 253600)		+/- 140.3462	µg/mL	Unstressed
	Purity 99%		+/- 143.6131	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

* Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.

Tech Tips:

Raw material may contain trace amounts of tert-Butanol.

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

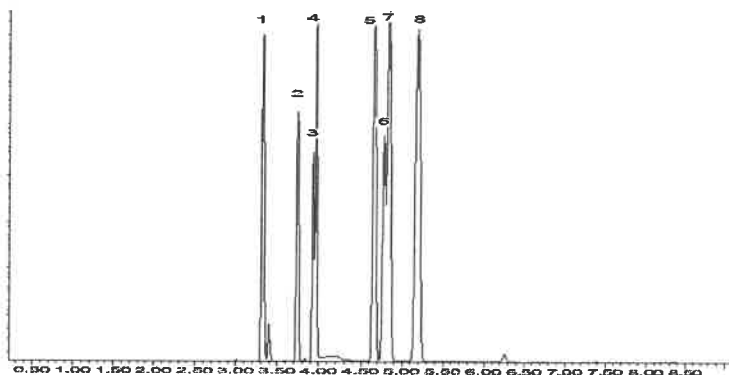
Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brandon Reish
Brandon Reish - Mix Technician

Date Mixed: 09-Apr-2020 **Balance:** 1127510105

Feng-Yen Le
Feng-Yen Le - QC Analyst

Date Passed: 24-Apr-2020

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Reagent

vm569722s_00012



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UM 569722S - 00012

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Catalog No. : 569722.SEC Lot No.: A0197640
Description : 8260 List 1 / Std #3 Gases (2015)
8260 List 1 / Std #3 Gases (2015) 2,500µg/mL, P&T Methanol,
1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : May 31, 2026 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8.SEC	28302	99%	2,519.8 µg/mL	+/- 142.0069
2	Chloromethane (methyl chloride)	74-87-3.SEC	00016950	99%	2,503.3 µg/mL	+/- 142.0942
3	Vinyl chloride	75-01-4.SEC	MKBK6872V	99%	2,508.3 µg/mL	+/- 141.4767
4	1,3-Butadiene	106-99-0.SEC	26996	99%	2,521.0 µg/mL	+/- 142.1930
5	Bromomethane (methyl bromide)	74-83-9.SEC	00017022	99%	2,516.4 µg/mL	+/- 141.9614
6	Chloroethane (ethyl chloride)	75-00-3.SEC	00004202	98%	2,532.0 µg/mL	+/- 143.0282
7	Dichlorofluoromethane (CFC-21)	75-43-4 *	14150400	90%	2,502.0 µg/mL	+/- 140.5515
8	Trichlorofluoromethane (CFC-11)	75-69-4.SEC	00010739	99%	2,524.7 µg/mL	+/- 143.6054

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

* Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.

Reagent

VM569723_00010

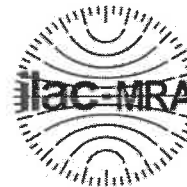


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Catalog No. : 569723 **Lot No.:** A0176827

Description : 8260 List 1 / Std #4 2-CEVE (2015)

8260 List 1 / Std #4 2-CEVE (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2024 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	2-Chloroethyl vinyl ether	2,505.0 µg/mL	+/- 14.7007	µg/mL	Gravimetric	
	CAS # 110-75-8 (Lot MKCD0033)		+/- 53.6696	µg/mL	Unstressed	
	Purity 99%		+/- 55.2277	µg/mL	Stressed	

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

Reagent

VM569724_00026

VM 569724-00026

Rec'd 10/29/21

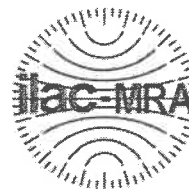


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Catalog No. : 569724 **Lot No.:** A0168154

Description : 8260 List 1 / Std #6 Vinyl Acetate (2015)

8260 List 1 / Std #6 Vinyl Acetate (2015) 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2022 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Vinyl acetate	5,038.0 µg/mL	+/- 29.4986 µg/mL Gravimetric
	CAS # 108-05-4 (Lot RD200601)		+/- 303.9849 µg/mL Unstressed
	Purity 99%		+/- 304.7065 µg/mL Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Reagent

VM569724_00028

UM569724-00028

Rec'd 9/21/22



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Catalog No. : 569724 **Lot No.:** A0187365

Description : 8260 List 1 / Std #6 Vinyl Acetate (2015)

8260 List 1 / Std #6 Vinyl Acetate (2015) 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2024 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Vinyl acetate CAS # 108-05-4 Purity 99% (Lot RD220630)	5,022.0 µg/mL	+/- 29.4049 µg/mL +/- 303.0195 µg/mL +/- 303.7388 µg/mL
			Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Reagent

VM571992_00005

Rcd 6/10/21

VM571992-00005



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 571992 Lot No.: A0159680

Description: 8260 List 1 / Std #1 MegaMix (2017)

8260 List 1 / Std #1 MegaMix (2017) 1,250-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size: 2 mL Pkg Amt: > 1 mL

Expiration Date: October 31, 2022 Storage: 0°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (Weight/volume)	Expanded Uncertainty (95% C.L., K=2)
1	Diethyl ether (ethyl ether) CAS # 60-29-7 (Lot SHBK7710) Purity 99%	2,518.8 µg/mL	+/- 14.6442 µg/mL Gravimetric +/- 151.9673 µg/mL Unstressed +/- 152.3281 µg/mL Stressed
2	1,1,2-Trichlorotrifluoroethane (CFC-113) CAS # 76-13-1 (Lot 00016133) Purity 99%	2,523.8 µg/mL	+/- 14.6733 µg/mL Gravimetric +/- 152.2690 µg/mL Unstressed +/- 152.6305 µg/mL Stressed
3	1,1-dichloroethene CAS # 75-35-4 (Lot SHBK2437) Purity 99%	2,517.5 µg/mL	+/- 14.6370 µg/mL Gravimetric +/- 151.8919 µg/mL Unstressed +/- 152.2525 µg/mL Stressed
4	tert-Butanol (TBA) CAS # 75-65-0 (Lot SHBL0592) Purity 99%	25,122.1 µg/mL	+/- 146.0546 µg/mL Gravimetric +/- 1,515.7284 µg/mL Unstressed +/- 1,519.3270 µg/mL Stressed
5	Methyl acetate CAS # 79-20-9 (Lot SHBK5436) Purity 99%	5,041.4 µg/mL	+/- 29.3110 µg/mL Gravimetric +/- 304.1685 µg/mL Unstressed +/- 304.8906 µg/mL Stressed
6	Iodomethane (methyl iodide) CAS # 74-88-4 (Lot D4406-0122JM) Purity 99%	2,520.5 µg/mL	+/- 14.6544 µg/mL Gravimetric +/- 152.0729 µg/mL Unstressed +/- 152.4340 µg/mL Stressed
7	Allyl chloride (3-chloropropene) CAS # 107-05-1 (Lot 191118KJ) Purity 99%	2,521.0 µg/mL	+/- 14.6573 µg/mL Gravimetric +/- 152.1031 µg/mL Unstressed +/- 152.4642 µg/mL Stressed

Reagent

VM571992_00006

VM 571992 - 00006

Rec'd 10/31/22

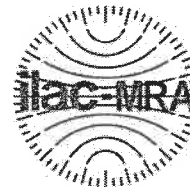


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Tel: (800)356-1688
Fax: (814)353-1309

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Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571992 Lot No.: A0183568

Description : 8260 List 1 / Std #1 MegaMix (2017)
8260 List 1 / Std #1 MegaMix (2017) 1,250-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : September 30, 2024 Storage: 0°C or colder
Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Diethyl ether (ethyl ether) CAS # 60-29-7 (Lot SHBN4280) Purity 99%	2,506.6 µg/mL	+/- 14.5737 µg/mL +/- 151.2358 µg/mL +/- 151.5949 µg/mL	Gravimetric Unstressed Stressed
2	1,1,2-Trichlorotrifluoroethane (CFC-113) CAS # 76-13-1 (Lot 00016133) Purity 99%	2,514.5 µg/mL	+/- 14.6195 µg/mL +/- 151.7109 µg/mL +/- 152.0711 µg/mL	Gravimetric Unstressed Stressed
3	1,1-dichloroethene CAS # 75-35-4 (Lot SHBG8609V) Purity 99%	2,515.1 µg/mL	+/- 14.6232 µg/mL +/- 151.7486 µg/mL +/- 152.1089 µg/mL	Gravimetric Unstressed Stressed
4	tert-Butanol (TBA) CAS # 75-65-0 (Lot 101619K21F-1) Purity 99%	25,080.8 µg/mL	+/- 145.8140 µg/mL +/- 1,513.2321 µg/mL +/- 1,516.8247 µg/mL	Gravimetric Unstressed Stressed
5	Methyl acetate CAS # 79-20-9 (Lot SHBM1320) Purity 99%	5,026.6 µg/mL	+/- 29.2252 µg/mL +/- 303.2786 µg/mL +/- 303.9986 µg/mL	Gravimetric Unstressed Stressed
6	Iodomethane (methyl iodide) CAS # 74-88-4 (Lot RD220125) Purity 99%	2,505.3 µg/mL	+/- 14.5657 µg/mL +/- 151.1528 µg/mL +/- 151.5117 µg/mL	Gravimetric Unstressed Stressed
7	Allyl chloride (3-chloropropene) CAS # 107-05-1 (Lot RD211021) Purity 99%	2,509.1 µg/mL	+/- 14.5883 µg/mL +/- 151.3866 µg/mL +/- 151.7460 µg/mL	Gravimetric Unstressed Stressed

8	Methylene chloride (dichloromethane) CAS # 75-09-2 (Lot SHBP1417) Purity 99%	2,513.3	µg/mL	+/-	14.6123	µg/mL	Gravimetric
				+/-	151.6355	µg/mL	Unstressed
				+/-	151.9955	µg/mL	Stressed
9	Carbon disulfide CAS # 75-15-0 (Lot N28F701) Purity 99%	2,510.1	µg/mL	+/-	14.5941	µg/mL	Gravimetric
				+/-	151.4470	µg/mL	Unstressed
				+/-	151.8065	µg/mL	Stressed
10	Acrylonitrile CAS # 107-13-1 (Lot SHBK4954) Purity 99%	25,102.9	µg/mL	+/-	145.9426	µg/mL	Gravimetric
				+/-	1,514.5670	µg/mL	Unstressed
				+/-	1,518.1628	µg/mL	Stressed
11	Methyl-tert-butyl ether (MTBE) CAS # 1634-04-4 (Lot SHBN6497) Purity 99%	2,513.8	µg/mL	+/-	14.6152	µg/mL	Gravimetric
				+/-	151.6657	µg/mL	Unstressed
				+/-	152.0258	µg/mL	Stressed
12	cis-1,2-Dichloroethene CAS # 156-59-2 (Lot MKCP7830) Purity 99%	2,515.1	µg/mL	+/-	14.6232	µg/mL	Gravimetric
				+/-	151.7486	µg/mL	Unstressed
				+/-	152.1089	µg/mL	Stressed
13	n-Hexane (C6) CAS # 110-54-3 (Lot SHBL9879) Purity 99%	2,515.5	µg/mL	+/-	14.6253	µg/mL	Gravimetric
				+/-	151.7713	µg/mL	Unstressed
				+/-	152.1316	µg/mL	Stressed
14	1,1-Dichloroethane CAS # 75-34-3 (Lot 760200) Purity 99%	2,517.9	µg/mL	+/-	14.6391	µg/mL	Gravimetric
				+/-	151.9146	µg/mL	Unstressed
				+/-	152.2752	µg/mL	Stressed
15	2,2-Dichloropropane CAS # 594-20-7 (Lot RD211103) Purity 99%	2,517.9	µg/mL	+/-	14.6391	µg/mL	Gravimetric
				+/-	151.9146	µg/mL	Unstressed
				+/-	152.2752	µg/mL	Stressed
16	trans-1,2-Dichloroethene CAS # 156-60-5 (Lot MKBH9850V) Purity 99%	2,511.4	µg/mL	+/-	14.6014	µg/mL	Gravimetric
				+/-	151.5224	µg/mL	Unstressed
				+/-	151.8821	µg/mL	Stressed
17	Isobutanol (2-Methyl-1-propanol) CAS # 78-83-1 (Lot 098794J01H) Purity 99%	62,633.1	µg/mL	+/-	364.1354	µg/mL	Gravimetric
				+/-	3,778.9321	µg/mL	Unstressed
				+/-	3,787.9040	µg/mL	Stressed
18	chloroform CAS # 67-66-3 (Lot SHBN8469) Purity 99%	2,510.9	µg/mL	+/-	14.5984	µg/mL	Gravimetric
				+/-	151.4922	µg/mL	Unstressed
				+/-	151.8519	µg/mL	Stressed
19	Bromochloromethane CAS # 74-97-5 (Lot 00008541) Purity 99%	2,517.0	µg/mL	+/-	14.6341	µg/mL	Gravimetric
				+/-	151.8618	µg/mL	Unstressed
				+/-	152.2223	µg/mL	Stressed
20	Tetrahydrofuran CAS # 109-99-9 (Lot SHBN3757) Purity 99%	5,036.1	µg/mL	+/-	29.2805	µg/mL	Gravimetric
				+/-	303.8517	µg/mL	Unstressed
				+/-	304.5731	µg/mL	Stressed
21	1,1,1-trichloroethane CAS # 71-55-6 (Lot RD220215) Purity 99%	2,509.6	µg/mL	+/-	14.5912	µg/mL	Gravimetric
				+/-	151.4168	µg/mL	Unstressed
				+/-	151.7763	µg/mL	Stressed
22	Cyclohexane CAS # 110-82-7 (Lot EA003-US) Purity 99%	2,510.0	µg/mL	+/-	14.5934	µg/mL	Gravimetric
				+/-	151.4394	µg/mL	Unstressed
				+/-	151.7990	µg/mL	Stressed
23	1,1-Dichloropropene CAS # 563-58-6 (Lot 220217JLM) Purity 99%	2,513.8	µg/mL	+/-	14.6152	µg/mL	Gravimetric
				+/-	151.6657	µg/mL	Unstressed
				+/-	152.0258	µg/mL	Stressed

24	carbon tetrachloride CAS # 56-23-5 Purity 99%	(Lot SHBL8097)	2,513.5 µg/mL	+/- +/- +/-	14.6137 151.6506 152.0106	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
25	n-Heptane (C7) CAS # 142-82-5 Purity 99%	(Lot SGBL9221)	2,511.4 µg/mL	+/- +/- +/-	14.6014 151.5224 151.8821	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
26	1,2-Dichloroethane CAS # 107-06-2 Purity 99%	(Lot MKCN9758)	2,514.4 µg/mL	+/- +/- +/-	14.6188 151.7034 152.0636	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
27	Benzene CAS # 71-43-2 Purity 99%	(Lot MKCM9242)	2,509.3 µg/mL	+/- +/- +/-	14.5890 151.3942 151.7536	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
28	Trichloroethene CAS # 79-01-6 Purity 99%	(Lot SHBL5816)	2,507.5 µg/mL	+/- +/- +/-	14.5788 151.2886 151.6478	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
29	Methylcyclohexane CAS # 108-87-2 Purity 99%	(Lot SHBL0078)	2,510.3 µg/mL	+/- +/- +/-	14.5948 151.4545 151.8141	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
30	1,2-Dichloropropane CAS # 78-87-5 Purity 99%	(Lot BCBR0882V)	2,510.9 µg/mL	+/- +/- +/-	14.5984 151.4922 151.8519	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
31	1,4-Dioxane CAS # 123-91-1 Purity 99%	(Lot SHBM9675)	50,187.5 µg/mL	+/- +/- +/-	291.7792 3,028.0328 3,035.2219	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
32	Dibromomethane CAS # 74-95-3 Purity 99%	(Lot 10201030)	2,511.0 µg/mL	+/- +/- +/-	14.5992 151.4998 151.8594	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
33	cis-1,3-Dichloropropene CAS # 10061-01-5 Purity 99%	(Lot RD220311)	2,513.8 µg/mL	+/- +/- +/-	14.6152 151.6657 152.0258	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
34	Toluene CAS # 108-88-3 Purity 99%	(Lot MKCQ2779)	2,518.4 µg/mL	+/- +/- +/-	14.6420 151.9447 152.3055	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
35	Ethyl methacrylate CAS # 97-63-2 Purity 99%	(Lot MKCL0907)	2,511.4 µg/mL	+/- +/- +/-	14.6014 151.5224 151.8821	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
36	trans-1,3-Dichloropropene CAS # 10061-02-6 Purity 98%	(Lot RD211104)	2,504.5 µg/mL	+/- +/- +/-	14.5615 151.1083 151.4671	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
37	1,1,2-Trichloroethane CAS # 79-00-5 Purity 99%	(Lot FGB01)	2,513.6 µg/mL	+/- +/- +/-	14.6144 151.6581 152.0182	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
38	1,3-Dichloropropane CAS # 142-28-9 Purity 99%	(Lot BCBC6265)	2,513.6 µg/mL	+/- +/- +/-	14.6144 151.6581 152.0182	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
39	Tetrachloroethene CAS # 127-18-4 Purity 99%	(Lot SHBJ7422)	2,507.5 µg/mL	+/- +/- +/-	14.5788 151.2886 151.6478	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

40	dibromochloromethane CAS # 124-48-1 Purity 99%	(Lot MKCM8659)	2,514.8	µg/mL	+/-	14.6210	µg/mL	Gravimetric
					+/-	151.7260	µg/mL	Unstressed
					+/-	152.0862	µg/mL	Stressed
41	1,2-Dibromoethane (EDB) CAS # 106-93-4 Purity 99%	(Lot BCCF5058)	2,513.9	µg/mL	+/-	14.6159	µg/mL	Gravimetric
					+/-	151.6732	µg/mL	Unstressed
					+/-	152.0333	µg/mL	Stressed
42	Chlorobenzene CAS # 108-90-7 Purity 99%	(Lot SHBL8110)	2,507.9	µg/mL	+/-	14.5810	µg/mL	Gravimetric
					+/-	151.3112	µg/mL	Unstressed
					+/-	151.6704	µg/mL	Stressed
43	m-Xylene CAS # 108-38-3 Purity 99%	(Lot Q13G020)	1,260.0	µg/mL	+/-	7.3257	µg/mL	Gravimetric
					+/-	76.0214	µg/mL	Unstressed
					+/-	76.2019	µg/mL	Stressed
44	p-Xylene CAS # 106-42-3 Purity 99%	(Lot 10234437)	1,258.6	µg/mL	+/-	7.3178	µg/mL	Gravimetric
					+/-	75.9384	µg/mL	Unstressed
					+/-	76.1187	µg/mL	Stressed
45	Ethylbenzene CAS # 100-41-4 Purity 99%	(Lot SHBM4308)	2,516.0	µg/mL	+/-	14.6282	µg/mL	Gravimetric
					+/-	151.8014	µg/mL	Unstressed
					+/-	152.1618	µg/mL	Stressed
46	1,1,1,2-Tetrachloroethane CAS # 630-20-6 Purity 99%	(Lot TMWKG)	2,519.1	µg/mL	+/-	14.6464	µg/mL	Gravimetric
					+/-	151.9900	µg/mL	Unstressed
					+/-	152.3508	µg/mL	Stressed
47	o-Xylene CAS # 95-47-6 Purity 98%	(Lot SHBN5105)	2,513.5	µg/mL	+/-	14.6134	µg/mL	Gravimetric
					+/-	151.6479	µg/mL	Unstressed
					+/-	152.0079	µg/mL	Stressed
48	Styrene CAS # 100-42-5 Purity 99%	(Lot MKCP3941)	2,509.1	µg/mL	+/-	14.5883	µg/mL	Gravimetric
					+/-	151.3866	µg/mL	Unstressed
					+/-	151.7460	µg/mL	Stressed
49	Isopropylbenzene (cumene) CAS # 98-82-8 Purity 99%	(Lot Z20D022)	2,518.5	µg/mL	+/-	14.6428	µg/mL	Gravimetric
					+/-	151.9523	µg/mL	Unstressed
					+/-	152.3130	µg/mL	Stressed
50	bromoform CAS # 75-25-2 Purity 98%	(Lot SHBK4455)	2,511.0	µg/mL	+/-	14.5992	µg/mL	Gravimetric
					+/-	151.5001	µg/mL	Unstressed
					+/-	151.8597	µg/mL	Stressed
51	bromodichloromethane CAS # 75-27-4 Purity 99%	(Lot MKCM7156)	2,518.1	µg/mL	+/-	14.6406	µg/mL	Gravimetric
					+/-	151.9296	µg/mL	Unstressed
					+/-	152.2903	µg/mL	Stressed
52	1,1,2,2-Tetrachloroethane CAS # 79-34-5 Purity 99%	(Lot CFA4D)	2,515.5	µg/mL	+/-	14.6253	µg/mL	Gravimetric
					+/-	151.7713	µg/mL	Unstressed
					+/-	152.1316	µg/mL	Stressed
53	1,2,3-Trichloropropane CAS # 96-18-4 Purity 99%	(Lot 332900)	2,512.5	µg/mL	+/-	14.6079	µg/mL	Gravimetric
					+/-	151.5903	µg/mL	Unstressed
					+/-	151.9502	µg/mL	Stressed
54	trans-1,4-dichloro-2-butene CAS # 110-57-6 Purity 95%	(Lot RD220405A)	2,511.8	µg/mL	+/-	14.6038	µg/mL	Gravimetric
					+/-	151.5480	µg/mL	Unstressed
					+/-	151.9078	µg/mL	Stressed
55	n-Propylbenzene CAS # 103-65-1 Purity 99%	(Lot MKCN1126)	2,515.6	µg/mL	+/-	14.6261	µg/mL	Gravimetric
					+/-	151.7788	µg/mL	Unstressed
					+/-	152.1392	µg/mL	Stressed

56	Bromobenzene CAS # 108-86-1 Purity 99%	(Lot MKBD4032V)	2,516.9 µg/mL	+/- +/- +/-	14.6333 151.8542 152.2147	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
57	1,3,5-Trimethylbenzene CAS # 108-67-8 Purity 99%	(Lot BCCD0427)	2,512.3 µg/mL	+/- +/- +/-	14.6064 151.5752 151.9350	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
58	2-Chlorotoluene CAS # 95-49-8 Purity 99%	(Lot MKCF5243)	2,510.9 µg/mL	+/- +/- +/-	14.5984 151.4922 151.8519	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
59	4-Chlorotoluene CAS # 106-43-4 Purity 99%	(Lot MKCC8496)	2,513.1 µg/mL	+/- +/- +/-	14.6115 151.6280 151.9880	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
60	tert-Butylbenzene CAS # 98-06-6 Purity 99%	(Lot STBD6954V)	2,514.6 µg/mL	+/- +/- +/-	14.6202 151.7185 152.0787	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
61	1,2,4-Trimethylbenzene CAS # 95-63-6 Purity 98%	(Lot WXBC9428V)	2,517.1 µg/mL	+/- +/- +/-	14.6348 151.8696 152.2302	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
62	sec-Butylbenzene CAS # 135-98-8 Purity 99%	(Lot MKCN2920)	2,519.3 µg/mL	+/- +/- +/-	14.6471 151.9975 152.3584	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
63	p-Isopropyltoluene (p-Cymene) CAS # 99-87-6 Purity 99%	(Lot MKCP6638)	2,512.0 µg/mL	+/- +/- +/-	14.6050 151.5601 151.9199	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
64	1,3-Dichlorobenzene CAS # 541-73-1 Purity 99%	(Lot BCBZ7498)	2,515.5 µg/mL	+/- +/- +/-	14.6253 151.7713 152.1316	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
65	1,4-Dichlorobenzene CAS # 106-46-7 Purity 99%	(Lot MKBS4401V)	2,513.4 µg/mL	+/- +/- +/-	14.6130 151.6431 152.0031	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
66	n-Butylbenzene CAS # 104-51-8 Purity 99%	(Lot 09418JJ)	2,511.0 µg/mL	+/- +/- +/-	14.5992 151.4998 151.8594	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
67	1,2-Dichlorobenzene CAS # 95-50-1 Purity 99%	(Lot SHBN3835)	2,511.4 µg/mL	+/- +/- +/-	14.6014 151.5224 151.8821	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
68	1,2-Dibromo-3-chloropropane CAS # 96-12-8 Purity 97%	(Lot HBMVB)	2,512.4 µg/mL	+/- +/- +/-	14.6074 151.5855 151.9454	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
69	1,2,4-Trichlorobenzene CAS # 120-82-1 Purity 99%	(Lot SHBM0526)	2,510.4 µg/mL	+/- +/- +/-	14.5955 151.4620 151.8216	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
70	Hexachlorobutadiene CAS # 87-68-3 Purity 99%	(Lot X05J)	2,509.3 µg/mL	+/- +/- +/-	14.5890 151.3942 151.7536	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
71	Naphthalene CAS # 91-20-3 Purity 99%	(Lot MKCH0219)	2,520.6 µg/mL	+/- +/- +/-	14.6551 152.0805 152.4415	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

72	1,2,3-Trichlorobenzene	2,513.0 µg/mL	+/- 14.6108	µg/mL	Gravimetric
	CAS # 87-61-6	(Lot MKBX7627V)	+/- 151.6204	µg/mL	Unstressed
	Purity 99%		+/- 151.9804	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:

60m x 0.25mm x 1.4µm
 Rtx-502.2 (cat.#10916)

Carrier Gas:

helium-constant pressure 30 psi

Temp. Program:

40°C (hold 6 min.) to 240°C
 @ 6°C/min. (hold 10 min.)

Inj. Temp:

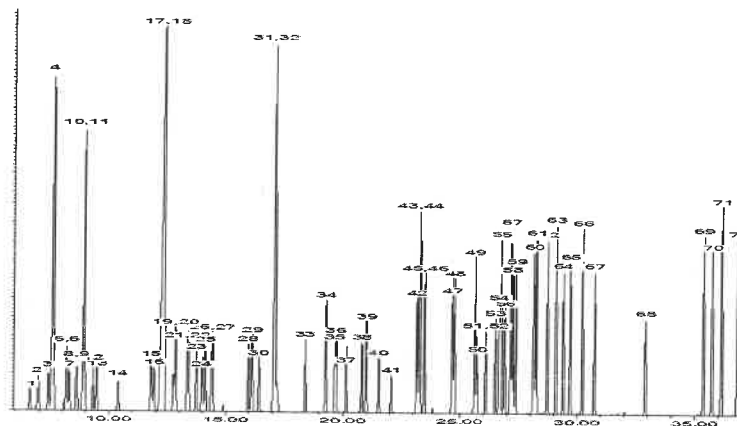
200°C

Det. Temp:

250°C

Det. Type:

MSD

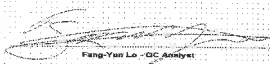


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


 Tom Suckal - Mix Technician

Date Mixed: 31-Mar-2022

Balance: B707717271


 Fang-Yun Lu - QC Analyst

Date Passed: 21-Apr-2022

Manufactured under Restek's ISO 9001:2015
 Registered Quality System
 Certificate #FM 80397

Reagent

VM571992S_00008



CERTIFIED REFERENCE MATERIAL

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Bellefonte, PA 16823-8812
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Fax: (814)353-1309

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Certificate of Analysis



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 571992.SEC Lot No.: A0167172

Description: 8260 List 1 / Std #1 MegaMix (2017)

8260 List 1 / Std #1 MegaMix (2017) 1,250-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size: 2 mL Pkg Amt: > 1 mL

Expiration Date: June 30, 2023 Storage: 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Order	Compound	Conc. (weight/volume)	Expanded Uncertainty (95% C.L. K=2)	Gravimetric
1	Diethyl ether (ethyl ether) CAS # 60-29-7.SEC (Lot F23X068) Purity 99%	2,501.7 µg/mL	+/- 14.5449 µg/mL +/- 150.9366 µg/mL +/- 151.2950 µg/mL	Gravimetric Unstressed Stressed
2	1,1,2-Trichlorotrifluoroethane (CFC-113) CAS # 76-13-1.SEC (Lot 18342) Purity 99%	2,500.8 µg/mL	+/- 14.5401 µg/mL +/- 150.8864 µg/mL +/- 151.2446 µg/mL	Gravimetric Unstressed Stressed
3	1,1-Dichloroethene CAS # 75-35-4.SEC (Lot 7692300) Purity 99%	2,501.2 µg/mL	+/- 14.5420 µg/mL +/- 150.9065 µg/mL +/- 151.2647 µg/mL	Gravimetric Unstressed Stressed
4	tert-Butanol (TBA) CAS # 75-65-0.SEC (Lot HGCHN) Purity 99%	25,001.2 µg/mL	+/- 145.3513 µg/mL +/- 1,508.4304 µg/mL +/- 1,512.0117 µg/mL	Gravimetric Unstressed Stressed
5	Methyl acetate CAS # 79-20-9.SEC (Lot UCNEL) Purity 99%	5,000.2 µg/mL	+/- 29.0714 µg/mL +/- 301.6822 µg/mL +/- 302.3985 µg/mL	Gravimetric Unstressed Stressed
6	Iodomethane (methyl iodide) CAS # 74-88-4.SEC (Lot Y25A027) Purity 99%	2,501.0 µg/mL	+/- 14.5410 µg/mL +/- 150.8964 µg/mL +/- 151.2547 µg/mL	Gravimetric Unstressed Stressed
7	Allyl chloride (3-chloropropene) CAS # 107-05-1.SEC (Lot H3HGC) Purity 99%	2,501.7 µg/mL	+/- 14.5449 µg/mL +/- 150.9366 µg/mL +/- 151.2950 µg/mL	Gravimetric Unstressed Stressed

Reagent

VM571992S_00009

UM 571992, sec - 00009

Rec'd 6/19

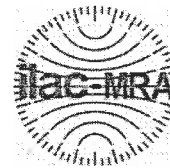


110 Benner Circle
Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571992.SEC **Lot No.:** A0195252

Description : 8260 List 1 / Std #1 MegaMix (2017)

8260 List 1 / Std #1 MegaMix (2017) 1,250-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Diethyl ether (ethyl ether)	60-29-7.SEC	F23X068	99%	2,516.7 µg/mL	+/- 86.9644
2	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1.SEC	18342	99%	2,520.0 µg/mL	+/- 87.0795
3	1,1-Dichloroethene	75-35-4.SEC	13896500	99%	2,525.0 µg/mL	+/- 87.2523
4	tert-Butanol (TBA)	75-65-0.SEC	DI340	99%	25,129.5 µg/mL	+/- 868.3580
5	Methyl acetate	79-20-9.SEC	UCNEL	99%	5,029.0 µg/mL	+/- 173.7790
6	Iodomethane (methyl iodide)	74-88-4.SEC	Y25A027	99%	2,521.7 µg/mL	+/- 87.1371
7	Allyl chloride (3-chloropropene)	107-05-1.SEC	RD210329	99%	2,518.2 µg/mL	+/- 87.0162
8	Methylene chloride (dichloromethane)	75-09-2.SEC	FGM02	99%	2,516.7 µg/mL	+/- 86.9644
9	Carbon disulfide	75-15-0.SEC	MKBL1376V	99%	2,511.7 µg/mL	+/- 86.7916
10	Acrylonitrile	107-13-1.SEC	V54AD	99%	25,200.3 µg/mL	+/- 870.8057
11	Methyl-tert-butyl ether (MTBE)	1634-04-4.SEC	CDQCQ	99%	2,517.3 µg/mL	+/- 86.9874
12	cis-1,2-Dichloroethene	156-59-2.SEC	YZO50	99%	2,515.3 µg/mL	+/- 86.9183
13	n-Hexane (C6)	110-54-3.SEC	10188491	99%	2,514.7 µg/mL	+/- 86.8953
14	1,1-Dichloroethane	75-34-3.SEC	1026.30-3	98%	2,512.6 µg/mL	+/- 86.8223
15	2,2-Dichloropropane	594-20-7.SEC	GI01	99%	2,521.5 µg/mL	+/- 87.1314
16	trans-1,2-Dichloroethene	156-60-5.SEC	L5QOH	99%	2,525.0 µg/mL	+/- 87.2523

17	Isobutanol (2-Methyl-1-propanol)	78-83-1.SEC PH2XK	99%	62,830.8	µg/mL	+/-	2,171.1398
18	Chloroform	67-66-3.SEC 1297547	99%	2,511.7	µg/mL	+/-	86.7916
19	Bromochloromethane	74-97-5 * 230206JLM	99%	2,515.7	µg/mL	+/-	86.9298
20	Tetrahydrofuran	109-99-9.SEC 3NYHE	99%	5,018.5	µg/mL	+/-	173.4162
21	1,1,1-Trichloroethane	71-55-6.SEC 13891800	99%	2,506.5	µg/mL	+/-	86.6130
22	Cyclohexane	110-82-7.SEC YADRA	99%	2,523.3	µg/mL	+/-	87.1947
23	1,1-Dichloropropene	563-58-6.SEC 556500	99%	2,520.5	µg/mL	+/-	87.0968
24	Carbon tetrachloride	56-23-5.SEC 11466	99%	2,520.5	µg/mL	+/-	87.0968
25	n-Heptane (C7)	142-82-5.SEC TFHUC	99%	2,516.5	µg/mL	+/-	86.9586
26	1,2-Dichloroethane	107-06-2.SEC 00016165	99%	2,519.8	µg/mL	+/-	87.0738
27	Benzene	71-43-2.SEC 101960P29K	99%	2,518.8	µg/mL	+/-	87.0392
28	Trichloroethene	79-01-6.SEC H04X050	99%	2,524.3	µg/mL	+/-	87.2293
29	Methylcyclohexane	108-87-2.SEC Q02QG	99%	2,515.8	µg/mL	+/-	86.9356
30	1,2-Dichloropropane	78-87-5.SEC ERRBI-RH	99%	2,516.8	µg/mL	+/-	86.9701
31	1,4-Dioxane	123-91-1.SEC QHRWO	99%	50,137.2	µg/mL	+/-	1,732.5061
32	Dibromomethane	74-95-3.SEC MOKKJ	99%	2,516.3	µg/mL	+/-	86.9528
33	cis-1,3-Dichloropropene	10061-01-5.SEC ZLXJ-TJ	99%	2,502.8	µg/mL	+/-	86.4863
34	Toluene	108-88-3.SEC YND2B-BD	99%	2,522.2	µg/mL	+/-	87.1544
35	Ethyl methacrylate	97-63-2.SEC AQSP0	99%	2,510.8	µg/mL	+/-	86.7628
36	trans-1,3-Dichloropropene	10061-02-6.SEC ZDMSL	98%	2,517.1	µg/mL	+/-	86.9804
37	1,1,2-Trichloroethane	79-00-5.SEC 9245400	99%	2,512.2	µg/mL	+/-	86.8089
38	1,3-Dichloropropane	142-28-9.SEC IQCON	99%	2,519.3	µg/mL	+/-	87.0565
39	Tetrachloroethene	127-18-4.SEC F09W014	99%	2,521.3	µg/mL	+/-	87.1256
40	Dibromochloromethane	124-48-1.SEC 10234064	99%	2,517.5	µg/mL	+/-	86.9932
41	1,2-Dibromoethane (EDB)	106-93-4.SEC 050675P15E	99%	2,518.3	µg/mL	+/-	87.0220
42	Chlorobenzene	108-90-7.SEC 1161936	99%	2,515.8	µg/mL	+/-	86.9356
43	m-Xylene	108-38-3.SEC 7ZV6F	99%	1,255.3	µg/mL	+/-	43.3814
44	p-Xylene	106-42-3.SEC D6UOA	99%	1,260.3	µg/mL	+/-	43.5541
45	Ethylbenzene	100-41-4.SEC PI4SE	99%	2,517.7	µg/mL	+/-	86.9989
46	1,1,1,2-Tetrachloroethane	630-20-6.SEC 13789800	99%	2,517.5	µg/mL	+/-	86.9932
47	o-Xylene	95-47-6.SEC UJ6RI	99%	2,515.8	µg/mL	+/-	86.9356
48	Styrene	100-42-5.SEC QGQ7F	99%	2,521.3	µg/mL	+/-	87.1256
49	Isopropylbenzene (cumene)	98-82-8.SEC 7P24L	99%	2,515.0	µg/mL	+/-	86.9068
50	Bromoform	75-25-2.SEC 13723500	99%	2,522.5	µg/mL	+/-	87.1659
51	Bromodichloromethane	75-27-4.SEC 28128	99%	2,524.2	µg/mL	+/-	87.2235
52	1,1,2,2-Tetrachloroethane	79-34-5.SEC BCCD5088	99%	2,523.7	µg/mL	+/-	87.2063

53	1,2,3-Trichloropropane	96-18-4.SEC 6V2ED	99%	2,522.2	µg/mL	+/- 87.1544
54	trans-1,4-Dichloro-2-butene	110-57-6.SEC RD230316RSR	96%	2,517.0	µg/mL	+/- 86.9745
55	n-Propylbenzene	103-65-1.SEC XCGEC	99%	2,518.8	µg/mL	+/- 87.0392
56	Bromobenzene	108-86-1.SEC 2FUHG-EM	99%	2,518.3	µg/mL	+/- 87.0220
57	1,3,5-Trimethylbenzene	108-67-8.SEC GI2SM	99%	2,514.3	µg/mL	+/- 86.8837
58	2-Chlorotoluene	95-49-8.SEC BRHPM	99%	2,515.7	µg/mL	+/- 86.9298
59	4-Chlorotoluene	106-43-4.SEC S5SKD	99%	2,518.8	µg/mL	+/- 87.0392
60	tert-Butylbenzene	98-06-6.SEC D6OHC	99%	2,522.0	µg/mL	+/- 87.1487
61	1,2,4-Trimethylbenzene	95-63-6.SEC JHZDD	99%	2,517.3	µg/mL	+/- 86.9874
62	sec-Butylbenzene	135-98-8.SEC O4HRF	99%	2,522.0	µg/mL	+/- 87.1487
63	4-Isopropyltoluene (p-cymene)	99-87-6.SEC 13889300	98%	2,518.1	µg/mL	+/- 87.0142
64	1,3-Dichlorobenzene	541-73-1.SEC ZA2ZI	99%	2,515.0	µg/mL	+/- 86.9068
65	1,4-Dichlorobenzene	106-46-7.SEC J5GVD	99%	2,522.5	µg/mL	+/- 87.1659
66	n-Butylbenzene	104-51-8.SEC MMPGA	99%	2,523.7	µg/mL	+/- 87.2063
67	1,2-Dichlorobenzene	95-50-1.SEC R6QDM	99%	2,512.0	µg/mL	+/- 86.8031
68	1,2-Dibromo-3-chloropropane	96-12-8.SEC Q135-105	99%	2,517.7	µg/mL	+/- 86.9989
69	1,2,4-Trichlorobenzene	120-82-1.SEC IGLFA	99%	2,515.7	µg/mL	+/- 86.9298
70	Hexachlorobutadiene	87-68-3.SEC 13889400	97%	2,520.4	µg/mL	+/- 87.0928
71	Naphthalene	91-20-3.SEC AM5NG	99%	2,520.0	µg/mL	+/- 87.0795
72	1,2,3-Trichlorobenzene	87-61-6.SEC A0043055	99%	2,517.8	µg/mL	+/- 87.0047

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

* Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.

8260D

Volatile Organic Compounds by GC/MS

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
GW-100923-BE-024	240-193522-1	113	119	108	80
GW-100923-BE-025	240-193522-2	111	114	109	81
GW-100923-BE-026	240-193522-3	110	117	107	82
GW-100923-BE-027	240-193522-4	116	120	108	82
GW-100923-BE-027	240-193522-4	112	117	113	84
GW-100923-BE-028	240-193522-5	109	114	109	83
GW-100923-BE-028	240-193522-5	110	115	110	84
EB-100923-BE-003	240-193522-6	113	121	109	80
GW-100923-BE-029	240-193522-7	109	118	108	82
TB-100923-BE-002	240-193522-8	113	118	109	84
GW-101023-BE-030	240-193522-9	113	119	110	82
GW-101023-BE-031	240-193522-10	112	119	110	82
GW-101023-BE-032	240-193522-11	109	113	106	79
GW-101023-BE-033	240-193522-12	110	115	108	81
GW-101023-BE-034	240-193522-13	109	114	111	83
GW-101023-BE-035	240-193522-14	93	100	89	86
GW-101023-BE-036	240-193522-15	99	104	92	88
GW-101023-BE-037	240-193522-16	95	102	94	90
GW-101123-BE-038	240-193522-17	95	103	92	90
GW-101123-BE-039	240-193522-18	92	101	94	90
GW-101123-BE-039	240-193522-18	96	101	90	86
SW-101123-BE-001	240-193522-19	95	104	92	89
SW-101123-BE-002	240-193522-20	92	102	91	87
SW-101123-BE-003	240-193522-21	94	103	91	86
GW-101123-BE-040	240-193522-22	92	101	92	87
GW-101123-BE-040	240-193522-22	96	102	90	87
EB-101123-BE-004	240-193522-23	94	103	91	87
GW-101123-BE-041	240-193522-24	96	102	92	87
GW-101223-BE-042	240-193522-25	95	102	91	86
GW-101223-BE-043	240-193522-26	98	103	90	86
GW-101223-BE-044	240-193522-27	98	94	93	62
GW-101223-BE-045	240-193522-28	103	100	97	72
	MB 240-591496/8	111	115	109	85
	MB 240-591677/8	107	112	108	85

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
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
	MB 240-591678/8	94	102	94	90
	MB 240-591728/9	102	97	98	66
	MB 240-591760/8	95	102	88	86
	MB 240-591763/8	109	114	109	85
	MB 240-591927/8	95	103	92	89
	LCS 240-591496/5	110	106	112	101
	LCS 240-591677/5	108	104	114	102
	LCS 240-591678/5	92	97	99	96
	LCS 240-591728/5	100	98	102	79
	LCS 240-591760/5	91	94	92	90
	LCS 240-591763/5	106	103	113	101
	LCS 240-591927/5	89	94	94	90
GW-101123-BE-038 MS	240-193522-17 MS	92	98	95	94
GW-101123-BE-038 MSD	240-193522-17 MSD	89	96	93	92

	<u>QC LIMITS</u>
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 III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 237967.D
 Lab ID: LCS 240-591496/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	23.9	96	64-131	
1,1,2,2-Tetrachloroethane	25.0	25.6	102	58-157	
1,1,2-Trichloroethane	25.0	27.9	112	70-138	
1,1-Dichloroethane	25.0	25.4	101	72-127	
1,1-Dichloroethene	25.0	29.4	117	63-134	
1,2-Dichloroethane	25.0	25.1	100	66-128	
1,2-Dichloropropane	25.0	26.8	107	75-133	
2-Hexanone	50.0	59.0	118	43-167	
Acetone	50.0	57.6	115	50-149	
Benzene	25.0	27.1	108	77-123	
Bromoform	25.0	23.0	92	57-129	
Bromomethane	12.5	10.2	82	36-142	
Carbon disulfide	25.0	24.8	99	43-140	
Carbon tetrachloride	25.0	24.1	96	55-137	
Chlorobenzene	25.0	27.3	109	80-121	
Chloroethane	12.5	11.6	92	38-152	
Chloroform	25.0	25.3	101	74-122	
Chloromethane	12.5	10.6	85	47-143	
cis-1,2-Dichloroethene	25.0	25.1	100	77-123	
cis-1,3-Dichloropropene	25.0	22.8	91	64-130	
Dichlorobromomethane	25.0	23.6	94	69-126	
Ethylbenzene	25.0	27.0	108	80-121	
m-Xylene & p-Xylene	25.0	27.2	109	80-120	
2-Butanone (MEK)	50.0	52.7	105	54-156	
4-Methyl-2-pentanone (MIBK)	50.0	55.0	110	46-158	
Methylene Chloride	25.0	27.0	108	71-125	
o-Xylene	25.0	26.2	105	80-123	
Styrene	25.0	29.5	118	80-135	
Tetrachloroethene	25.0	28.5	114	76-123	
Toluene	25.0	26.9	108	80-123	
trans-1,2-Dichloroethene	25.0	26.2	105	75-124	
trans-1,3-Dichloropropene	25.0	24.3	97	57-129	
Trichloroethene	25.0	25.6	102	70-122	
Vinyl chloride	12.5	9.99	80	60-144	
Xylenes, Total	50.0	53.4	107	80-121	
Chlorodibromomethane	25.0	24.8	99	70-124	

Column to be used to flag recovery and RPD values
 FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 237995.D
 Lab ID: LCS 240-591677/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	22.9	92	64-131	
1,1,2,2-Tetrachloroethane	25.0	25.4	102	58-157	
1,1,2-Trichloroethane	25.0	27.7	111	70-138	
1,1-Dichloroethane	25.0	24.5	98	72-127	
1,1-Dichloroethene	25.0	22.0	88	63-134	
1,2-Dichloroethane	25.0	24.3	97	66-128	
1,2-Dichloropropane	25.0	26.4	106	75-133	
2-Hexanone	50.0	58.1	116	43-167	
Acetone	50.0	41.7	83	50-149	
Benzene	25.0	26.0	104	77-123	
Bromoform	25.0	22.6	90	57-129	
Bromomethane	12.5	9.33	75	36-142	
Carbon disulfide	25.0	18.9	76	43-140	
Carbon tetrachloride	25.0	23.0	92	55-137	
Chlorobenzene	25.0	27.0	108	80-121	
Chloroethane	12.5	11.0	88	38-152	
Chloroform	25.0	24.5	98	74-122	
Chloromethane	12.5	10.5	84	47-143	
cis-1,2-Dichloroethene	25.0	24.0	96	77-123	
cis-1,3-Dichloropropene	25.0	21.9	88	64-130	
Dichlorobromomethane	25.0	22.5	90	69-126	
Ethylbenzene	25.0	26.9	107	80-121	
m-Xylene & p-Xylene	25.0	27.7	111	80-120	
2-Butanone (MEK)	50.0	48.0	96	54-156	
4-Methyl-2-pentanone (MIBK)	50.0	52.1	104	46-158	
Methylene Chloride	25.0	21.2	85	71-125	
o-Xylene	25.0	26.1	104	80-123	
Styrene	25.0	29.3	117	80-135	
Tetrachloroethene	25.0	28.4	113	76-123	
Toluene	25.0	26.6	106	80-123	
trans-1,2-Dichloroethene	25.0	24.7	99	75-124	
trans-1,3-Dichloropropene	25.0	23.7	95	57-129	
Trichloroethene	25.0	24.9	99	70-122	
Vinyl chloride	12.5	9.34	75	60-144	
Xylenes, Total	50.0	53.8	108	80-121	
Chlorodibromomethane	25.0	24.4	98	70-124	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 225291.D
 Lab ID: LCS 240-591678/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	25.6	102	64-131	
1,1,2,2-Tetrachloroethane	25.0	25.4	102	58-157	
1,1,2-Trichloroethane	25.0	25.9	104	70-138	
1,1-Dichloroethane	25.0	25.9	104	72-127	
1,1-Dichloroethene	25.0	27.3	109	63-134	
1,2-Dichloroethane	25.0	25.7	103	66-128	
1,2-Dichloropropane	25.0	25.0	100	75-133	
2-Hexanone	50.0	52.9	106	43-167	
Acetone	50.0	49.4	99	50-149	
Benzene	25.0	25.7	103	77-123	
Bromoform	25.0	23.7	95	57-129	
Bromomethane	12.5	13.3	106	36-142	
Carbon disulfide	25.0	26.2	105	43-140	
Carbon tetrachloride	25.0	25.1	100	55-137	
Chlorobenzene	25.0	26.0	104	80-121	
Chloroethane	12.5	12.4	99	38-152	
Chloroform	25.0	25.4	101	74-122	
Chloromethane	12.5	11.0	88	47-143	
cis-1,2-Dichloroethene	25.0	25.5	102	77-123	
cis-1,3-Dichloropropene	25.0	23.7	95	64-130	
Dichlorobromomethane	25.0	24.5	98	69-126	
Ethylbenzene	25.0	26.1	105	80-121	
m-Xylene & p-Xylene	25.0	26.3	105	80-120	
2-Butanone (MEK)	50.0	48.3	97	54-156	
4-Methyl-2-pentanone (MIBK)	50.0	47.3	95	46-158	
Methylene Chloride	25.0	24.8	99	71-125	
o-Xylene	25.0	25.9	104	80-123	
Styrene	25.0	26.2	105	80-135	
Tetrachloroethene	25.0	26.1	104	76-123	
Toluene	25.0	25.8	103	80-123	
trans-1,2-Dichloroethene	25.0	25.8	103	75-124	
trans-1,3-Dichloropropene	25.0	26.4	105	57-129	
Trichloroethene	25.0	24.3	97	70-122	
Vinyl chloride	12.5	11.8	94	60-144	
Xylenes, Total	50.0	52.2	104	80-121	
Chlorodibromomethane	25.0	24.9	99	70-124	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: UXC3427.D
 Lab ID: LCS 240-591728/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	18.3	92	64-131	
1,1,2,2-Tetrachloroethane	20.0	25.5	128	58-157	
1,1,2-Trichloroethane	20.0	20.4	102	70-138	
1,1-Dichloroethane	20.0	19.6	98	72-127	
1,1-Dichloroethene	20.0	19.5	98	63-134	
1,2-Dichloroethane	20.0	18.6	93	66-128	
1,2-Dichloropropane	20.0	19.8	99	75-133	
2-Hexanone	40.0	39.4	99	43-167	
Acetone	40.0	38.0	95	50-149	
Benzene	20.0	20.1	100	77-123	
Bromoform	20.0	18.3	91	57-129	
Bromomethane	20.0	21.4	107	36-142	
Carbon disulfide	20.0	18.9	95	43-140	
Carbon tetrachloride	20.0	17.9	89	55-137	
Chlorobenzene	20.0	19.3	96	80-121	
Chloroethane	20.0	21.5	107	38-152	
Chloroform	20.0	19.2	96	74-122	
Chloromethane	20.0	16.3	81	47-143	
cis-1,2-Dichloroethene	20.0	20.0	100	77-123	
cis-1,3-Dichloropropene	20.0	17.2	86	64-130	
Dichlorobromomethane	20.0	18.8	94	69-126	
Ethylbenzene	20.0	19.0	95	80-121	
m-Xylene & p-Xylene	20.0	18.1	91	80-120	
2-Butanone (MEK)	40.0	36.7	92	54-156	
4-Methyl-2-pentanone (MIBK)	40.0	35.2	88	46-158	
Methylene Chloride	20.0	19.0	95	71-125	
o-Xylene	20.0	18.6	93	80-123	
Styrene	20.0	17.8	89	80-135	
Tetrachloroethene	20.0	18.5	92	76-123	
Toluene	20.0	20.0	100	80-123	
trans-1,2-Dichloroethene	20.0	18.6	93	75-124	
trans-1,3-Dichloropropene	20.0	19.4	97	57-129	
Trichloroethene	20.0	18.1	91	70-122	
Vinyl chloride	20.0	17.7	89	60-144	
Xylenes, Total	40.0	36.7	92	80-121	
Chlorodibromomethane	20.0	18.8	94	70-124	

Column to be used to flag recovery and RPD values
 FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 225321.D
 Lab ID: LCS 240-591760/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	26.6	106	64-131	
1,1,2,2-Tetrachloroethane	25.0	25.8	103	58-157	
1,1,2-Trichloroethane	25.0	25.9	104	70-138	
1,1-Dichloroethane	25.0	26.1	104	72-127	
1,1-Dichloroethene	25.0	27.5	110	63-134	
1,2-Dichloroethane	25.0	25.7	103	66-128	
1,2-Dichloropropane	25.0	25.4	102	75-133	
2-Hexanone	50.0	51.3	103	43-167	
Acetone	50.0	46.4	93	50-149	
Benzene	25.0	25.8	103	77-123	
Bromoform	25.0	27.2	109	57-129	
Bromomethane	12.5	13.8	110	36-142	
Carbon disulfide	25.0	27.3	109	43-140	
Carbon tetrachloride	25.0	26.7	107	55-137	
Chlorobenzene	25.0	26.6	106	80-121	
Chloroethane	12.5	14.8	118	38-152	
Chloroform	25.0	25.7	103	74-122	
Chloromethane	12.5	12.6	101	47-143	
cis-1,2-Dichloroethene	25.0	25.9	104	77-123	
cis-1,3-Dichloropropene	25.0	25.2	101	64-130	
Dichlorobromomethane	25.0	25.9	104	69-126	
Ethylbenzene	25.0	26.9	108	80-121	
m-Xylene & p-Xylene	25.0	27.0	108	80-120	
2-Butanone (MEK)	50.0	48.5	97	54-156	
4-Methyl-2-pentanone (MIBK)	50.0	48.1	96	46-158	
Methylene Chloride	25.0	24.5	98	71-125	
o-Xylene	25.0	26.5	106	80-123	
Styrene	25.0	26.7	107	80-135	
Tetrachloroethene	25.0	26.8	107	76-123	
Toluene	25.0	26.1	104	80-123	
trans-1,2-Dichloroethene	25.0	25.6	102	75-124	
trans-1,3-Dichloropropene	25.0	28.3	113	57-129	
Trichloroethene	25.0	25.3	101	70-122	
Vinyl chloride	12.5	13.0	104	60-144	
Xylenes, Total	50.0	53.5	107	80-121	
Chlorodibromomethane	25.0	27.2	109	70-124	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 238023.D
 Lab ID: LCS 240-591763/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	22.4	90	64-131	
1,1,2,2-Tetrachloroethane	25.0	25.8	103	58-157	
1,1,2-Trichloroethane	25.0	27.8	111	70-138	
1,1-Dichloroethane	25.0	24.0	96	72-127	
1,1-Dichloroethene	25.0	23.5	94	63-134	
1,2-Dichloroethane	25.0	24.0	96	66-128	
1,2-Dichloropropane	25.0	26.0	104	75-133	
2-Hexanone	50.0	57.3	115	43-167	
Acetone	50.0	42.7	85	50-149	
Benzene	25.0	25.7	103	77-123	
Bromoform	25.0	22.4	90	57-129	
Bromomethane	12.5	11.5	92	36-142	
Carbon disulfide	25.0	22.6	90	43-140	
Carbon tetrachloride	25.0	22.7	91	55-137	
Chlorobenzene	25.0	26.9	108	80-121	
Chloroethane	12.5	12.5	100	38-152	
Chloroform	25.0	24.1	96	74-122	
Chloromethane	12.5	10.7	85	47-143	
cis-1,2-Dichloroethene	25.0	24.0	96	77-123	
cis-1,3-Dichloropropene	25.0	21.5	86	64-130	
Dichlorobromomethane	25.0	22.3	89	69-126	
Ethylbenzene	25.0	26.8	107	80-121	
m-Xylene & p-Xylene	25.0	27.1	108	80-120	
2-Butanone (MEK)	50.0	47.0	94	54-156	
4-Methyl-2-pentanone (MIBK)	50.0	52.1	104	46-158	
Methylene Chloride	25.0	25.5	102	71-125	
o-Xylene	25.0	25.9	104	80-123	
Styrene	25.0	29.0	116	80-135	
Tetrachloroethene	25.0	28.0	112	76-123	
Toluene	25.0	26.7	107	80-123	
trans-1,2-Dichloroethene	25.0	24.7	99	75-124	
trans-1,3-Dichloropropene	25.0	23.9	96	57-129	
Trichloroethene	25.0	24.9	99	70-122	
Vinyl chloride	12.5	10.9	87	60-144	
Xylenes, Total	50.0	53.0	106	80-121	
Chlorodibromomethane	25.0	24.2	97	70-124	

Column to be used to flag recovery and RPD values
 FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 225382.D
 Lab ID: LCS 240-591927/5 Client ID: _____

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	25.5	102	64-131	
1,1,2,2-Tetrachloroethane	25.0	25.5	102	58-157	
1,1,2-Trichloroethane	25.0	25.8	103	70-138	
1,1-Dichloroethane	25.0	25.9	104	72-127	
1,1-Dichloroethene	25.0	26.3	105	63-134	
1,2-Dichloroethane	25.0	26.0	104	66-128	
1,2-Dichloropropane	25.0	25.4	101	75-133	
2-Hexanone	50.0	52.1	104	43-167	
Acetone	50.0	50.0	100	50-149	
Benzene	25.0	25.3	101	77-123	
Bromoform	25.0	24.3	97	57-129	
Bromomethane	12.5	13.4	108	36-142	
Carbon disulfide	25.0	25.3	101	43-140	
Carbon tetrachloride	25.0	24.7	99	55-137	
Chlorobenzene	25.0	24.9	100	80-121	
Chloroethane	12.5	13.9	112	38-152	
Chloroform	25.0	25.7	103	74-122	
Chloromethane	12.5	12.0	96	47-143	
cis-1,2-Dichloroethene	25.0	25.4	101	77-123	
cis-1,3-Dichloropropene	25.0	23.2	93	64-130	
Dichlorobromomethane	25.0	25.1	101	69-126	
Ethylbenzene	25.0	25.0	100	80-121	
m-Xylene & p-Xylene	25.0	24.9	100	80-120	
2-Butanone (MEK)	50.0	48.5	97	54-156	
4-Methyl-2-pentanone (MIBK)	50.0	48.0	96	46-158	
Methylene Chloride	25.0	25.7	103	71-125	
o-Xylene	25.0	24.7	99	80-123	
Styrene	25.0	25.0	100	80-135	
Tetrachloroethene	25.0	23.9	95	76-123	
Toluene	25.0	25.0	100	80-123	
trans-1,2-Dichloroethene	25.0	25.2	101	75-124	
trans-1,3-Dichloropropene	25.0	25.6	102	57-129	
Trichloroethene	25.0	23.5	94	70-122	
Vinyl chloride	12.5	12.5	100	60-144	
Xylenes, Total	50.0	49.6	99	80-121	
Chlorodibromomethane	25.0	25.8	103	70-124	

Column to be used to flag recovery and RPD values

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.: _____

Matrix: Water

Level: Low

Lab File ID: 225315.D

Lab ID: 240-193522-17 MS

Client ID: GW-101123-BE-038 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	25.0	1.0 U	24.7	99	60-130	
1,1,2,2-Tetrachloroethane	25.0	1.0 U	25.4	101	54-145	
1,1,2-Trichloroethane	25.0	1.0 U	25.1	100	69-131	
1,1-Dichloroethane	25.0	1.0 U	25.8	103	68-125	
1,1-Dichloroethene	25.0	1.0 U	26.1	105	56-135	
1,2-Dichloroethane	25.0	1.0 U	25.6	102	63-126	
1,2-Dichloropropane	25.0	1.0 U	25.2	101	69-130	
2-Hexanone	50.0	10 U	50.8	102	35-156	
Acetone	50.0	10 U	49.2	98	33-149	
Benzene	25.0	1.0 U	25.2	101	64-128	
Bromoform	25.0	1.0 U	23.1	93	47-125	
Bromomethane	12.5	1.0 U	8.41	67	28-150	
Carbon disulfide	25.0	1.0 U	24.9	100	38-140	
Carbon tetrachloride	25.0	1.0 U	23.8	95	51-133	
Chlorobenzene	25.0	1.0 U	24.5	98	74-121	
Chloroethane	12.5	1.0 U	11.2	90	10-199	
Chloroform	25.0	1.0 U	24.6	98	70-122	
Chloromethane	12.5	1.0 U	10.8	86	32-149	
cis-1,2-Dichloroethene	25.0	1.0 U	25.5	102	66-128	
cis-1,3-Dichloropropene	25.0	1.0 U	23.1	92	47-125	
Dichlorobromomethane	25.0	1.0 U	24.3	97	62-125	
Ethylbenzene	25.0	1.0 U	24.6	98	67-127	
m-Xylene & p-Xylene	25.0	2.0 U	24.4	98	71-123	
2-Butanone (MEK)	50.0	10 U	49.8	100	40-151	
4-Methyl-2-pentanone (MIBK)	50.0	10 U	49.6	99	31-153	
Methylene Chloride	25.0	5.0 U	24.4	97	62-129	
o-Xylene	25.0	1.0 U	24.8	99	70-125	
Styrene	25.0	1.0 U	24.7	99	70-139	
Tetrachloroethene	25.0	1.0 U	25.7	103	62-131	
Toluene	25.0	1.0 U	24.6	98	58-135	
trans-1,2-Dichloroethene	25.0	1.0 U	24.9	100	56-136	
trans-1,3-Dichloropropene	25.0	1.0 U	25.1	100	47-120	
Trichloroethene	25.0	1.0 U	23.8	95	61-124	
Vinyl chloride	12.5	1.0 U	11.6	93	43-157	
Xylenes, Total	50.0	2.0 U	49.2	98	71-123	
Chlorodibromomethane	25.0	1.0 U	24.3	97	65-120	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
 SDG No.: _____
 Matrix: Water Level: Low Lab File ID: 225316.D
 Lab ID: 240-193522-17 MSD Client ID: GW-101123-BE-038 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
1,1,1-Trichloroethane	25.0	25.3	101	2	17	60-130	
1,1,2,2-Tetrachloroethane	25.0	26.5	106	4	15	54-145	
1,1,2-Trichloroethane	25.0	25.9	104	3	14	69-131	
1,1-Dichloroethane	25.0	26.9	108	4	13	68-125	
1,1-Dichloroethene	25.0	26.9	108	3	26	56-135	
1,2-Dichloroethane	25.0	26.8	107	5	12	63-126	
1,2-Dichloropropane	25.0	26.4	105	5	13	69-130	
2-Hexanone	50.0	53.2	106	4	17	35-156	
Acetone	50.0	51.2	102	4	34	33-149	
Benzene	25.0	26.1	104	3	14	64-128	
Bromoform	25.0	23.5	94	1	15	47-125	
Bromomethane	12.5	10.7	86	24	26	28-150	
Carbon disulfide	25.0	26.0	104	4	23	38-140	
Carbon tetrachloride	25.0	24.6	99	4	24	51-133	
Chlorobenzene	25.0	25.1	100	2	14	74-121	
Chloroethane	12.5	11.7	94	4	30	10-199	
Chloroform	25.0	25.6	102	4	14	70-122	
Chloromethane	12.5	12.0	96	11	27	32-149	
cis-1,2-Dichloroethene	25.0	26.0	104	2	14	66-128	
cis-1,3-Dichloropropene	25.0	24.3	97	5	13	47-125	
Dichlorobromomethane	25.0	25.1	100	3	13	62-125	
Ethylbenzene	25.0	25.5	102	4	15	67-127	
m-Xylene & p-Xylene	25.0	25.2	101	3	16	71-123	
2-Butanone (MEK)	50.0	51.2	102	3	20	40-151	
4-Methyl-2-pentanone (MIBK)	50.0	51.1	102	3	15	31-153	
Methylene Chloride	25.0	25.4	101	4	17	62-129	
o-Xylene	25.0	25.2	101	2	15	70-125	
Styrene	25.0	25.2	101	2	18	70-139	
Tetrachloroethene	25.0	25.8	103	1	20	62-131	
Toluene	25.0	25.1	100	2	14	58-135	
trans-1,2-Dichloroethene	25.0	25.6	102	3	15	56-136	
trans-1,3-Dichloropropene	25.0	26.0	104	4	14	47-120	
Trichloroethene	25.0	24.6	98	3	15	61-124	
Vinyl chloride	12.5	12.3	98	5	24	43-157	
Xylenes, Total	50.0	50.4	101	2	15	71-123	
Chlorodibromomethane	25.0	25.1	100	3	13	65-120	

Column to be used to flag recovery and RPD values

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Lab File ID: 237970.D Lab Sample ID: MB 240-591496/8
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: A3UX23 Date Analyzed: 10/19/2023 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 240-591496/5	237967.D	10/19/2023 14:53
TB-100923-BE-002	240-193522-8	237973.D	10/19/2023 17:24
GW-100923-BE-024	240-193522-1	237984.D	10/19/2023 22:00
GW-100923-BE-027	240-193522-4	237987.D	10/19/2023 23:16
EB-100923-BE-003	240-193522-6	237989.D	10/20/2023 00:06

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Lab File ID: 237998.D Lab Sample ID: MB 240-591677/8
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: A3UX23 Date Analyzed: 10/20/2023 16:00
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 240-591677/5	237995.D	10/20/2023 14:45
GW-100923-BE-025	240-193522-2	238002.D	10/20/2023 17:41
GW-100923-BE-026	240-193522-3	238003.D	10/20/2023 18:06
GW-100923-BE-027	240-193522-4	238004.D	10/20/2023 18:31
GW-100923-BE-028	240-193522-5	238005.D	10/20/2023 18:56
GW-100923-BE-029	240-193522-7	238006.D	10/20/2023 19:21
GW-101023-BE-030	240-193522-9	238009.D	10/20/2023 20:36
GW-101023-BE-031	240-193522-10	238010.D	10/20/2023 21:01
GW-101023-BE-032	240-193522-11	238011.D	10/20/2023 21:26

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Lab File ID: 225294.D Lab Sample ID: MB 240-591678/8
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: A3UX22 Date Analyzed: 10/20/2023 16:20
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 240-591678/5	225291.D	10/20/2023 15:09
GW-101023-BE-037	240-193522-16	225297.D	10/20/2023 17:33
GW-101123-BE-038	240-193522-17	225298.D	10/20/2023 17:56
GW-101123-BE-039	240-193522-18	225299.D	10/20/2023 18:21
SW-101123-BE-001	240-193522-19	225300.D	10/20/2023 18:45
SW-101123-BE-002	240-193522-20	225301.D	10/20/2023 19:09
SW-101123-BE-003	240-193522-21	225302.D	10/20/2023 19:32
GW-101123-BE-040	240-193522-22	225303.D	10/20/2023 19:57
EB-101123-BE-004	240-193522-23	225304.D	10/20/2023 20:20
GW-101123-BE-038 MS	240-193522-17 MS	225315.D	10/21/2023 00:43
GW-101123-BE-038 MSD	240-193522-17 MSD	225316.D	10/21/2023 01:07

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Lab File ID: UXC3431.D Lab Sample ID: MB 240-591728/9
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: A3UX15 Date Analyzed: 10/21/2023 12:16
GC Column: DB-624 ID: 0.18 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-591728/5	UXC3427.D	10/21/2023 10:42
GW-101223-BE-044	240-193522-27	UXC3436.D	10/21/2023 14:12
GW-101223-BE-045	240-193522-28	UXC3437.D	10/21/2023 14:35

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Lab File ID: 238026.D Lab Sample ID: MB 240-591763/8
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: A3UX23 Date Analyzed: 10/22/2023 17:22
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 240-591763/5	238023.D	10/22/2023 16:06
GW-100923-BE-028	240-193522-5	238037.D	10/22/2023 21:58
GW-101023-BE-033	240-193522-12	238038.D	10/22/2023 22:23
GW-101023-BE-034	240-193522-13	238039.D	10/22/2023 22:48

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Lab File ID: 225324.D Lab Sample ID: MB 240-591760/8
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: A3UX22 Date Analyzed: 10/22/2023 17:29
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 240-591760/5	225321.D	10/22/2023 16:18
GW-101023-BE-036	240-193522-15	225338.D	10/22/2023 23:01
GW-101123-BE-039	240-193522-18	225339.D	10/22/2023 23:25
GW-101123-BE-040	240-193522-22	225340.D	10/22/2023 23:49
GW-101123-BE-041	240-193522-24	225341.D	10/23/2023 00:13
GW-101223-BE-042	240-193522-25	225342.D	10/23/2023 00:37
GW-101223-BE-043	240-193522-26	225343.D	10/23/2023 01:01

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Lab File ID: 225385.D Lab Sample ID: MB 240-591927/8
Matrix: Water Heated Purge: (Y/N) N
Instrument ID: A3UX22 Date Analyzed: 10/24/2023 04:22
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 240-591927/5	225382.D	10/24/2023 03:10
GW-101023-BE-035	240-193522-14	225391.D	10/24/2023 06:44

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Lab File ID: BFB1270.D BFB Injection Date: 06/17/2022
Instrument ID: A3UX15 BFB Injection Time: 14:42
Analysis Batch No.: 531220

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.3
75	30.0 - 60.0 % of mass 95	50.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.9
173	Less than 2.0 % of mass 174	0.4 (0.6) 1
174	Greater than 50% of mass 95	76.0
175	5.0 - 9.0 % of mass 174	5.8 (7.6) 1
176	95.0 - 101.0 % of mass 174	75.0 (98.6) 1
177	5.0 - 9.0 % of mass 176	4.9 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-531220/9	UXC2434.D	06/17/2022	15:29
	STD8260 240-531220/10	UXC2435.D	06/17/2022	15:53
	STD8260 240-531220/11	UXC2436.D	06/17/2022	16:16
	STD8260 240-531220/12	UXC2437.D	06/17/2022	16:40
	ICIS 240-531220/13	UXC2438.D	06/17/2022	17:03
	STD8260 240-531220/14	UXC2439.D	06/17/2022	17:27
	STD8260 240-531220/15	UXC2440.D	06/17/2022	17:50
	STD8260 240-531220/16	UXC2441.D	06/17/2022	18:14
	ICV 240-531220/18	UXC2443.D	06/17/2022	19:01
	ICV 240-531220/29	UXC2454.D	06/17/2022	23:21

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Lab File ID: BFB343.D BFB Injection Date: 10/21/2023
Instrument ID: A3UX15 BFB Injection Time: 09:31
Analysis Batch No.: 591728

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	21.3
75	30.0 - 60.0 % of mass 95	55.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.9
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	Greater than 50% of mass 95	94.0
175	5.0 - 9.0 % of mass 174	7.8 (8.3) 1
176	95.0 - 101.0 % of mass 174	92.5 (98.4) 1
177	5.0 - 9.0 % of mass 176	5.5 (6.0) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-591728/4	UXC3426.D	10/21/2023	10:19
	LCS 240-591728/5	UXC3427.D	10/21/2023	10:42
	MB 240-591728/9	UXC3431.D	10/21/2023	12:16
GW-101223-BE-044	240-193522-27	UXC3436.D	10/21/2023	14:12
GW-101223-BE-045	240-193522-28	UXC3437.D	10/21/2023	14:35

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Lab File ID: BFB22641.D BFB Injection Date: 09/06/2023
Instrument ID: A3UX22 BFB Injection Time: 12:24
Analysis Batch No.: 586277

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.2
75	30.0 - 60.0 % of mass 95	47.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.6
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	Greater than 50% of mass 95	86.9
175	5.0 - 9.0 % of mass 174	6.7 (7.7) 1
176	95.0 - 101.0 % of mass 174	84.2 (96.9) 1
177	5.0 - 9.0 % of mass 176	5.5 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 240-586277/3	224014.D	09/06/2023	13:11
	IC 240-586277/4	224015.D	09/06/2023	13:35
	IC 240-586277/5	224016.D	09/06/2023	13:58
	IC 240-586277/6	224017.D	09/06/2023	14:22
	IC 240-586277/7	224018.D	09/06/2023	14:46
	ICIS 240-586277/8	224019.D	09/06/2023	15:10
	IC 240-586277/9	224020.D	09/06/2023	15:34
	IC 240-586277/10	224021.D	09/06/2023	15:58
	IC 240-586277/11	224022.D	09/06/2023	16:22
	ICV 240-586277/13	224024.D	09/06/2023	17:09
	ICV 240-586277/28	224039.D	09/06/2023	23:07

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Lab File ID: BFB22677.D BFB Injection Date: 10/20/2023
Instrument ID: A3UX22 BFB Injection Time: 13:34
Analysis Batch No.: 591678

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.7
75	30.0 - 60.0 % of mass 95	49.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.7
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	Greater than 50% of mass 95	81.1
175	5.0 - 9.0 % of mass 174	6.2 (7.6) 1
176	95.0 - 101.0 % of mass 174	78.6 (96.9) 1
177	5.0 - 9.0 % of mass 176	5.1 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-591678/3	225289.D	10/20/2023	14:21
	CCV 240-591678/4	225290.D	10/20/2023	14:45
	LCS 240-591678/5	225291.D	10/20/2023	15:09
	MB 240-591678/8	225294.D	10/20/2023	16:20
GW-101023-BE-037	240-193522-16	225297.D	10/20/2023	17:33
GW-101123-BE-038	240-193522-17	225298.D	10/20/2023	17:56
GW-101123-BE-039	240-193522-18	225299.D	10/20/2023	18:21
SW-101123-BE-001	240-193522-19	225300.D	10/20/2023	18:45
SW-101123-BE-002	240-193522-20	225301.D	10/20/2023	19:09
SW-101123-BE-003	240-193522-21	225302.D	10/20/2023	19:32
GW-101123-BE-040	240-193522-22	225303.D	10/20/2023	19:57
EB-101123-BE-004	240-193522-23	225304.D	10/20/2023	20:20
GW-101123-BE-038 MS	240-193522-17 MS	225315.D	10/21/2023	0:43
GW-101123-BE-038 MSD	240-193522-17 MSD	225316.D	10/21/2023	1:07

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Lab File ID: BFB22678.D BFB Injection Date: 10/22/2023
Instrument ID: A3UX22 BFB Injection Time: 14:42
Analysis Batch No.: 591760

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	19.2
75	30.0 - 60.0 % of mass 95	49.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.4
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	Greater than 50% of mass 95	82.4
175	5.0 - 9.0 % of mass 174	6.4 (7.7) 1
176	95.0 - 101.0 % of mass 174	80.3 (97.5) 1
177	5.0 - 9.0 % of mass 176	5.2 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-591760/3	225319.D	10/22/2023	15:30
	CCV 240-591760/4	225320.D	10/22/2023	15:54
	LCS 240-591760/5	225321.D	10/22/2023	16:18
	MB 240-591760/8	225324.D	10/22/2023	17:29
GW-101023-BE-036	240-193522-15	225338.D	10/22/2023	23:01
GW-101123-BE-039	240-193522-18	225339.D	10/22/2023	23:25
GW-101123-BE-040	240-193522-22	225340.D	10/22/2023	23:49
GW-101123-BE-041	240-193522-24	225341.D	10/23/2023	0:13
GW-101223-BE-042	240-193522-25	225342.D	10/23/2023	0:37
GW-101223-BE-043	240-193522-26	225343.D	10/23/2023	1:01

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
 SDG No.: _____
 Lab File ID: 225379.D BFB Injection Date: 10/24/2023
 Instrument ID: A3UX22 BFB Injection Time: 01:59
 Analysis Batch No.: 591927

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	20.0
75	30.0 - 60.0 % of mass 95	50.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.9
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	Greater than 50% of mass 95	79.9
175	5.0 - 9.0 % of mass 174	6.1 (7.7) 1
176	95.0 - 101.0 % of mass 174	77.1 (96.5) 1
177	5.0 - 9.0 % of mass 176	5.3 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-591927/3	225380.D	10/24/2023	2:23
	CCV 240-591927/4	225381.D	10/24/2023	2:47
	LCS 240-591927/5	225382.D	10/24/2023	3:10
	MB 240-591927/8	225385.D	10/24/2023	4:22
GW-101023-BE-035	240-193522-14	225391.D	10/24/2023	6:44

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Lab File ID: BFB23433.D BFB Injection Date: 08/04/2023
Instrument ID: A3UX23 BFB Injection Time: 14:56
Analysis Batch No.: 582961

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	24.3
75	30.0 - 60.0 % of mass 95	49.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.9
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	Greater than 50% of mass 95	73.6
175	5.0 - 9.0 % of mass 174	5.6 (7.6) 1
176	95.0 - 101.0 % of mass 174	70.3 (95.6) 1
177	5.0 - 9.0 % of mass 176	4.7 (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 240-582961/3	236428.D	08/04/2023	15:49
	IC 240-582961/4	236429.D	08/04/2023	16:14
	IC 240-582961/5	236430.D	08/04/2023	16:39
	IC 240-582961/6	236431.D	08/04/2023	17:04
	IC 240-582961/7	236432.D	08/04/2023	17:29
	ICIS 240-582961/8	236433.D	08/04/2023	17:54
	IC 240-582961/9	236434.D	08/04/2023	18:19
	IC 240-582961/10	236435.D	08/04/2023	18:44
	IC 240-582961/11	236436.D	08/04/2023	19:09
	ICV 240-582961/13	236438.D	08/04/2023	20:00

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Lab File ID: BFB23500.D BFB Injection Date: 10/19/2023
Instrument ID: A3UX23 BFB Injection Time: 13:40
Analysis Batch No.: 591496

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	27.2
75	30.0 - 60.0 % of mass 95	50.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.0
173	Less than 2.0 % of mass 174	0.1 (0.1) 1
174	Greater than 50% of mass 95	69.7
175	5.0 - 9.0 % of mass 174	5.3 (7.6) 1
176	95.0 - 101.0 % of mass 174	66.9 (95.9) 1
177	5.0 - 9.0 % of mass 176	4.5 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-591496/4	237966.D	10/19/2023	14:28
	LCS 240-591496/5	237967.D	10/19/2023	14:53
	MB 240-591496/8	237970.D	10/19/2023	16:09
TB-100923-BE-002	240-193522-8	237973.D	10/19/2023	17:24
GW-100923-BE-024	240-193522-1	237984.D	10/19/2023	22:00
GW-100923-BE-027	240-193522-4	237987.D	10/19/2023	23:16
EB-100923-BE-003	240-193522-6	237989.D	10/20/2023	0:06

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Lab File ID: BFB23501.D BFB Injection Date: 10/20/2023
Instrument ID: A3UX23 BFB Injection Time: 13:20
Analysis Batch No.: 591677

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	26.7
75	30.0 - 60.0 % of mass 95	50.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.9
173	Less than 2.0 % of mass 174	0.0 (0.0) 1
174	Greater than 50% of mass 95	70.5
175	5.0 - 9.0 % of mass 174	5.1 (7.2) 1
176	95.0 - 101.0 % of mass 174	67.2 (95.3) 1
177	5.0 - 9.0 % of mass 176	4.5 (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 240-591677/4	237994.D	10/20/2023	14:20
	LCS 240-591677/5	237995.D	10/20/2023	14:45
	MB 240-591677/8	237998.D	10/20/2023	16:00
GW-100923-BE-025	240-193522-2	238002.D	10/20/2023	17:41
GW-100923-BE-026	240-193522-3	238003.D	10/20/2023	18:06
GW-100923-BE-027	240-193522-4	238004.D	10/20/2023	18:31
GW-100923-BE-028	240-193522-5	238005.D	10/20/2023	18:56
GW-100923-BE-029	240-193522-7	238006.D	10/20/2023	19:21
GW-101023-BE-030	240-193522-9	238009.D	10/20/2023	20:36
GW-101023-BE-031	240-193522-10	238010.D	10/20/2023	21:01
GW-101023-BE-032	240-193522-11	238011.D	10/20/2023	21:26

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Lab File ID: BFB23502.D BFB Injection Date: 10/22/2023
Instrument ID: A3UX23 BFB Injection Time: 14:53
Analysis Batch No.: 591763

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	27.1
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	6.7
173	Less than 2.0 % of mass 174	0.0 (0.1) 1
174	Greater than 50% of mass 95	67.9
175	5.0 - 9.0 % of mass 174	5.0 (7.3) 1
176	95.0 - 101.0 % of mass 174	65.0 (95.7) 1
177	5.0 - 9.0 % of mass 176	4.3 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-591763/4	238022.D	10/22/2023	15:41
	LCS 240-591763/5	238023.D	10/22/2023	16:06
	MB 240-591763/8	238026.D	10/22/2023	17:22
GW-100923-BE-028	240-193522-5	238037.D	10/22/2023	21:58
GW-101023-BE-033	240-193522-12	238038.D	10/22/2023	22:23
GW-101023-BE-034	240-193522-13	238039.D	10/22/2023	22:48

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
 SDG No.: _____
 Sample No.: ICIS 240-531220/13 Date Analyzed: 06/17/2022 17:03
 Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): UXC2438.D Heated Purge: (Y/N) N
 Calibration ID: 66322

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1012688	5.93	738465	8.45	356681	10.58
UPPER LIMIT		2025376	6.43	1476930	8.95	713362	11.08
LOWER LIMIT		506344	5.43	369233	7.95	178341	10.08
LAB SAMPLE ID		CLIENT SAMPLE ID					
ICV 240-531220/18		1011430	5.93	740290	8.45	362318	10.58
ICV 240-531220/29		929044	5.93	664484	8.45	293181	10.58
CCVIS 240-591728/4		784174	5.91	526139	8.43	212273	10.56

FB = Fluorobenzene

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
 SDG No.: _____
 Sample No.: CCVIS 240-591728/4 Date Analyzed: 10/21/2023 10:19
 Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): UXC3426.D Heated Purge: (Y/N) N
 Calibration ID: 66326

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		784174	5.91	526139	8.43	212273	10.56
UPPER LIMIT		1568348	6.41	1052278	8.93	424546	11.06
LOWER LIMIT		392087	5.41	263070	7.93	106137	10.06
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 240-591728/5		812628	5.92	552066	8.43	228641	10.56
MB 240-591728/9		673186	5.91	447473	8.43	150725	10.56
240-193522-27	GW-101223-BE-044	658655	5.92	445465	8.43	149131	10.56
240-193522-28	GW-101223-BE-045	658077	5.92	438624	8.43	153738	10.56

FB = Fluorobenzene

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
 SDG No.: _____
 Sample No.: ICIS 240-586277/8 Date Analyzed: 09/06/2023 15:10
 Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): 224019.D Heated Purge: (Y/N) N
 Calibration ID: 71756

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1094885	7.26	806193	10.39	437173	12.39
UPPER LIMIT		2189770	7.76	1612386	10.89	874346	12.89
LOWER LIMIT		547443	6.76	403097	9.89	218587	11.89
LAB SAMPLE ID		CLIENT SAMPLE ID					
ICV 240-586277/13		1087977	7.25	813014	10.39	431615	12.39
ICV 240-586277/28		1087165	7.25	802267	10.39	428403	12.39
CCVIS 240-591678/3		1217610	7.25	876958	10.39	461996	12.39
CCVIS 240-591760/3		1231059	7.25	884391	10.39	472265	12.39
CCVIS 240-591927/3		1214423	7.25	858451	10.39	466431	12.39

FB = Fluorobenzene

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
 SDG No.: _____
 Sample No.: CCVIS 240-591678/3 Date Analyzed: 10/20/2023 14:21
 Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): 225289.D Heated Purge: (Y/N) N
 Calibration ID: 71796

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1217610	7.25	876958	10.39	461996	12.39
UPPER LIMIT		2435220	7.75	1753916	10.89	923992	12.89
LOWER LIMIT		608805	6.75	438479	9.89	230998	11.89
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-591678/4		1195029	7.25	854315	10.39	435915	12.39
LCS 240-591678/5		1220123	7.26	861690	10.39	462626	12.39
MB 240-591678/8		1139689	7.26	827781	10.39	432522	12.39
240-193522-16	GW-101023-BE-037	1185470	7.26	863922	10.39	454298	12.39
240-193522-17	GW-101123-BE-038	1207837	7.25	885161	10.39	465100	12.39
240-193522-18	GW-101123-BE-039	1159439	7.25	823886	10.39	438430	12.39
240-193522-19	SW-101123-BE-001	1153312	7.26	840201	10.39	442150	12.39
240-193522-20	SW-101123-BE-002	1148965	7.25	838790	10.39	432659	12.39
240-193522-21	SW-101123-BE-003	1145239	7.25	842425	10.39	449819	12.39
240-193522-22	GW-101123-BE-040	1136950	7.25	816453	10.39	431920	12.39
240-193522-23	EB-101123-BE-004	1105900	7.25	808726	10.39	421255	12.39
240-193522-17 MS	GW-101123-BE-038 MS	1258226	7.25	911606	10.39	483836	12.39
240-193522-17 MSD	GW-101123-BE-038 MSD	1245012	7.25	904263	10.39	466135	12.39

FB = Fluorobenzene

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
 SDG No.: _____
 Sample No.: CCVIS 240-591760/3 Date Analyzed: 10/22/2023 15:30
 Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): 225319.D Heated Purge: (Y/N) N
 Calibration ID: 71796

	FB		CBNZd5		DCBd4	
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD	1231059	7.25	884391	10.39	472265	12.39
UPPER LIMIT	2462118	7.75	1768782	10.89	944530	12.89
LOWER LIMIT	615530	6.75	442196	9.89	236133	11.89
LAB SAMPLE ID	CLIENT SAMPLE ID					
CCV 240-591760/4		1223145	7.25	883424	10.39	461435 12.39
LCS 240-591760/5		1229462	7.25	880395	10.39	471183 12.39
MB 240-591760/8		1149809	7.25	854970	10.39	446295 12.39
240-193522-15	GW-101023-BE-036	1094855	7.25	819653	10.39	433784 12.39
240-193522-18	GW-101123-BE-039	1092756	7.25	813530	10.39	434116 12.39
240-193522-22	GW-101123-BE-040	1105372	7.25	813637	10.39	437316 12.39
240-193522-24	GW-101123-BE-041	1075351	7.25	786728	10.39	427556 12.39
240-193522-25	GW-101223-BE-042	1096069	7.25	806311	10.39	430983 12.39
240-193522-26	GW-101223-BE-043	1089547	7.25	816163	10.39	440157 12.39

FB = Fluorobenzene

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
 SDG No.: _____
 Sample No.: CCVIS 240-591927/3 Date Analyzed: 10/24/2023 02:23
 Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): 225380.D Heated Purge: (Y/N) N
 Calibration ID: 71796

		FB		CBNzd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1214423	7.25	858451	10.39	466431	12.39
UPPER LIMIT		2428846	7.75	1716902	10.89	932862	12.89
LOWER LIMIT		607212	6.75	429226	9.89	233216	11.89
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-591927/4		1209121	7.25	869182	10.39	449814	12.39
LCS 240-591927/5		1229523	7.25	874299	10.39	471054	12.39
MB 240-591927/8		1124974	7.25	824310	10.39	438061	12.39
240-193522-14	GW-101023-BE-035	1100067	7.25	807750	10.39	427646	12.39

FB = Fluorobenzene

CBNzd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
 SDG No.: _____
 Sample No.: ICIS 240-582961/8 Date Analyzed: 08/04/2023 17:54
 Instrument ID: A3UX23 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): 236433.D Heated Purge: (Y/N) N
 Calibration ID: 71409

	FB		CBNZd5		DCBd4		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	1078248	6.59	790347	9.74	372950	12.06	
UPPER LIMIT	2156496	7.09	1580694	10.24	745900	12.56	
LOWER LIMIT	539124	6.09	395174	9.24	186475	11.56	
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-582961/13		769182	6.59	553520	9.74	265651	12.06
CCVIS 240-591496/4		742639	6.59	545744	9.74	284995	12.06
CCVIS 240-591677/4		695953	6.59	498703	9.74	272027	12.06
CCVIS 240-591763/4		724971	6.59	518593	9.73	277050	12.06

FB = Fluorobenzene

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
 SDG No.: _____
 Sample No.: CCVIS 240-591496/4 Date Analyzed: 10/19/2023 14:28
 Instrument ID: A3UX23 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): 237966.D Heated Purge: (Y/N) N
 Calibration ID: 71409

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		742639	6.59	545744	9.74	284995	12.06
UPPER LIMIT		1485278	7.09	1091488	10.24	569990	12.56
LOWER LIMIT		371320	6.09	272872	9.24	142498	11.56
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 240-591496/5		738091	6.59	542814	9.74	285076	12.06
MB 240-591496/8		619990	6.59	438015	9.74	200373	12.06
240-193522-8	TB-100923-BE-002	593063	6.59	426324	9.74	196347	12.06
240-193522-1	GW-100923-BE-024	560440	6.59	401943	9.74	176599	12.06
240-193522-4	GW-100923-BE-027	566982	6.59	404433	9.74	183161	12.06
240-193522-6	EB-100923-BE-003	547246	6.59	387532	9.74	177883	12.06

FB = Fluorobenzene

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
 SDG No.: _____
 Sample No.: CCVIS 240-591677/4 Date Analyzed: 10/20/2023 14:20
 Instrument ID: A3UX23 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): 237994.D Heated Purge: (Y/N) N
 Calibration ID: 71409

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		695953	6.59	498703	9.74	272027	12.06
UPPER LIMIT		1391906	7.09	997406	10.24	544054	12.56
LOWER LIMIT		347977	6.09	249352	9.24	136014	11.56
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 240-591677/5		731500	6.59	525871	9.74	277491	12.06
MB 240-591677/8		610048	6.59	426952	9.74	194238	12.06
240-193522-2	GW-100923-BE-025	603829	6.59	418277	9.74	186090	12.06
240-193522-3	GW-100923-BE-026	573742	6.59	410039	9.74	183005	12.06
240-193522-4	GW-100923-BE-027	570841	6.59	398048	9.74	179835	12.06
240-193522-5	GW-100923-BE-028	585037	6.59	403246	9.74	179840	12.06
240-193522-7	GW-100923-BE-029	557420	6.59	391720	9.74	176872	12.06
240-193522-9	GW-101023-BE-030	549324	6.59	383840	9.74	171680	12.06
240-193522-10	GW-101023-BE-031	544672	6.59	381681	9.74	171557	12.06
240-193522-11	GW-101023-BE-032	562503	6.59	397022	9.74	171867	12.06

FB = Fluorobenzene

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
 SDG No.: _____
 Sample No.: CCVIS 240-591763/4 Date Analyzed: 10/22/2023 15:41
 Instrument ID: A3UX23 GC Column: DB-624 ID: 0.18 (mm)
 Lab File ID (Standard): 238022.D Heated Purge: (Y/N) N
 Calibration ID: 71409

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		724971	6.59	518593	9.73	277050	12.06
UPPER LIMIT		1449942	7.09	1037186	10.23	554100	12.56
LOWER LIMIT		362486	6.09	259297	9.23	138525	11.56
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 240-591763/5		724090	6.59	517308	9.74	272448	12.06
MB 240-591763/8		602121	6.59	421695	9.74	187618	12.06
240-193522-5	GW-100923-BE-028	585567	6.59	402459	9.74	182125	12.06
240-193522-12	GW-101023-BE-033	554156	6.59	385977	9.74	172473	12.06
240-193522-13	GW-101023-BE-034	568477	6.59	387591	9.74	173179	12.06

FB = Fluorobenzene

CBNZd5 = Chlorobenzene-d5

DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = $\pm$ 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>GW-100923-BE-024</u>	Lab Sample ID: <u>240-193522-1</u>
Matrix: <u>Water</u>	Lab File ID: <u>237984.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/09/2023 08:40</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/19/2023 22:00</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591496</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.48
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.46
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
591-78-6	2-Hexanone	10	U	10	1.1
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.42
78-93-3	2-Butanone (MEK)	10	U	10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	10	0.99
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
100-42-5	Styrene	1.0	U	1.0	0.45
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
79-01-6	Trichloroethene	0.97	J	1.0	0.44
75-01-4	Vinyl chloride	9.4		1.0	0.45
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: GW-100923-BE-024 Lab Sample ID: 240-193522-1
Matrix: Water Lab File ID: 237984.D
Analysis Method: 8260D Date Collected: 10/09/2023 08:40
Sample wt/vol: 5 (mL) Date Analyzed: 10/19/2023 22:00
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 591496 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		62-137
460-00-4	4-Bromofluorobenzene (Surr)	80		56-136
2037-26-5	Toluene-d8 (Surr)	108		78-122
1868-53-7	Dibromofluoromethane (Surr)	113		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\237984.D
 Lims ID: 240-193522-B-1
 Client ID: GW-100923-BE-024
 Sample Type: Client
 Inject. Date: 19-Oct-2023 22:00:30 ALS Bottle#: 20 Worklist Smp#: 22
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134843-022
 Operator ID: Instrument ID: A3UX23
 Method: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 20-Oct-2023 12:01:53 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1630

First Level Reviewer: PHN3

Date: 20-Oct-2023 12:07:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	560440	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.738	0.000	89	401943	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.057	12.057	0.000	97	176599	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.810	0.000	92	139558	28.4	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.188	6.188	0.000	97	212042	29.8	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	96	527951	27.0	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	86	156397	20.0	
10 Chloromethane	50		1.431				ND	
11 Vinyl chloride	62	1.526	1.526	0.000	99	68494	9.36	
13 Bromomethane	94		1.834				ND	
14 Chloroethane	64		1.917				ND	
19 1,1-Dichloroethene	96		2.686				ND	
21 Acetone	58		2.792				ND	7
24 Carbon disulfide	76		2.922				ND	7
28 Methylene Chloride	84		3.301				ND	
32 trans-1,2-Dichloroethene	96		3.692				ND	
34 1,1-Dichloroethane	63		4.342				ND	
39 cis-1,2-Dichloroethene	96		5.171				ND	7
40 2-Butanone (MEK)	72		5.254				ND	
47 Chloroform	83		5.609				ND	
48 1,1,1-Trichloroethane	97		5.798				ND	
51 Carbon tetrachloride	117		5.999				ND	
54 Benzene	78		6.247				ND	
53 1,2-Dichloroethane	62		6.283				ND	
58 Trichloroethene	130	6.993	6.993	0.000	92	5875	0.9734	
61 1,2-Dichloropropane	63		7.230				ND	
65 Dichlorobromomethane	83		7.537				ND	
68 cis-1,3-Dichloropropene	75		8.011				ND	
69 4-Methyl-2-pentanone (MIBK)	43		8.212				ND	
70 Toluene	91		8.354				ND	7
71 trans-1,3-Dichloropropene	75		8.590				ND	
73 1,1,2-Trichloroethane	97		8.768				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
75 Tetrachloroethene	164		8.910				ND	
76 2-Hexanone	43		9.052				ND	
78 Chlorodibromomethane	129		9.158				ND	
82 Chlorobenzene	112		9.762				ND	
84 Ethylbenzene	106		9.880				ND	
85 m-Xylene & p-Xylene	106		9.999				ND	
86 o-Xylene	106		10.389				ND	
87 Styrene	104		10.401				ND	
88 Bromoform	173		10.578				ND	
92 1,1,2,2-Tetrachloroethane	83		11.063				ND	
S 133 Xylenes, Total	106		17.050				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm125UX21_IS_00057	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_SS_00009	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 20-Oct-2023 12:16:01

Chrom Revision: 2.3 22-Sep-2023 11:33:50

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\237984.D

Injection Date: 19-Oct-2023 22:00:30

Instrument ID: A3UX23

Operator ID:

Lims ID: 240-193522-B-1

Lab Sample ID: 240-193522-1

Worklist Smp#: 22

Client ID: GW-100923-BE-024

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 20

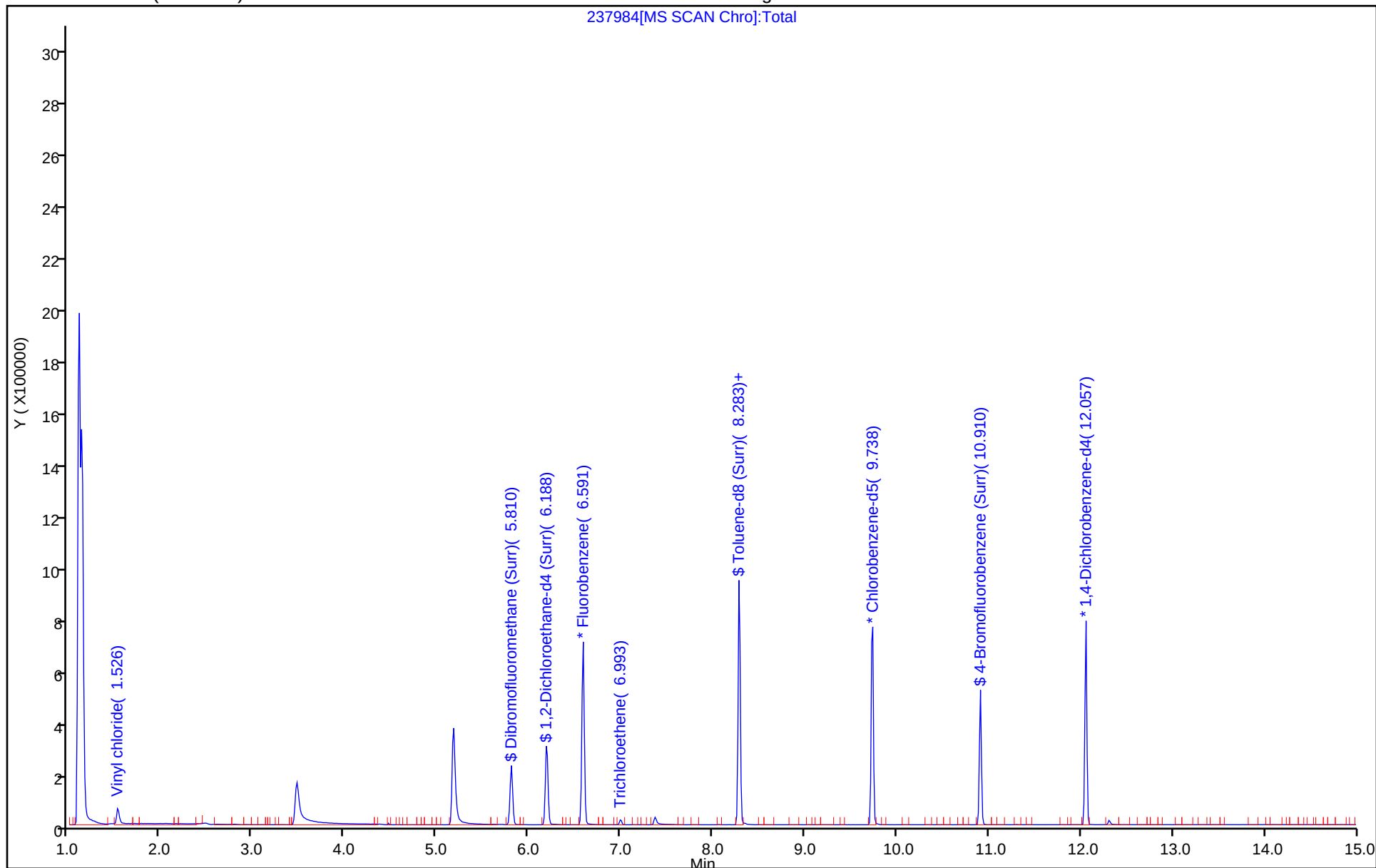
Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value

237984[MS SCAN Chro]:Total



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\237984.D
Lims ID: 240-193522-B-1
Client ID: GW-100923-BE-024
Sample Type: Client
Inject. Date: 19-Oct-2023 22:00:30 ALS Bottle#: 20 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0134843-022
Operator ID: Instrument ID: A3UX23
Method: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\8260_23.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Oct-2023 12:01:53 Calib Date: 04-Aug-2023 19:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1630

First Level Reviewer: PHN3

Date: 20-Oct-2023 12:07:50

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	28.4	113.42
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	29.8	119.03
\$ 6 Toluene-d8 (Surr)	25.0	27.0	107.84
\$ 7 4-Bromofluorobenzene (Surr)	25.0	20.0	79.86

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\237984.D

Injection Date: 19-Oct-2023 22:00:30

Instrument ID: A3UX23

Lims ID: 240-193522-B-1

Lab Sample ID: 240-193522-1

Client ID: GW-100923-BE-024

Operator ID:

ALS Bottle#: 20

Worklist Smp#: 22

Purge Vol: 5.000 mL

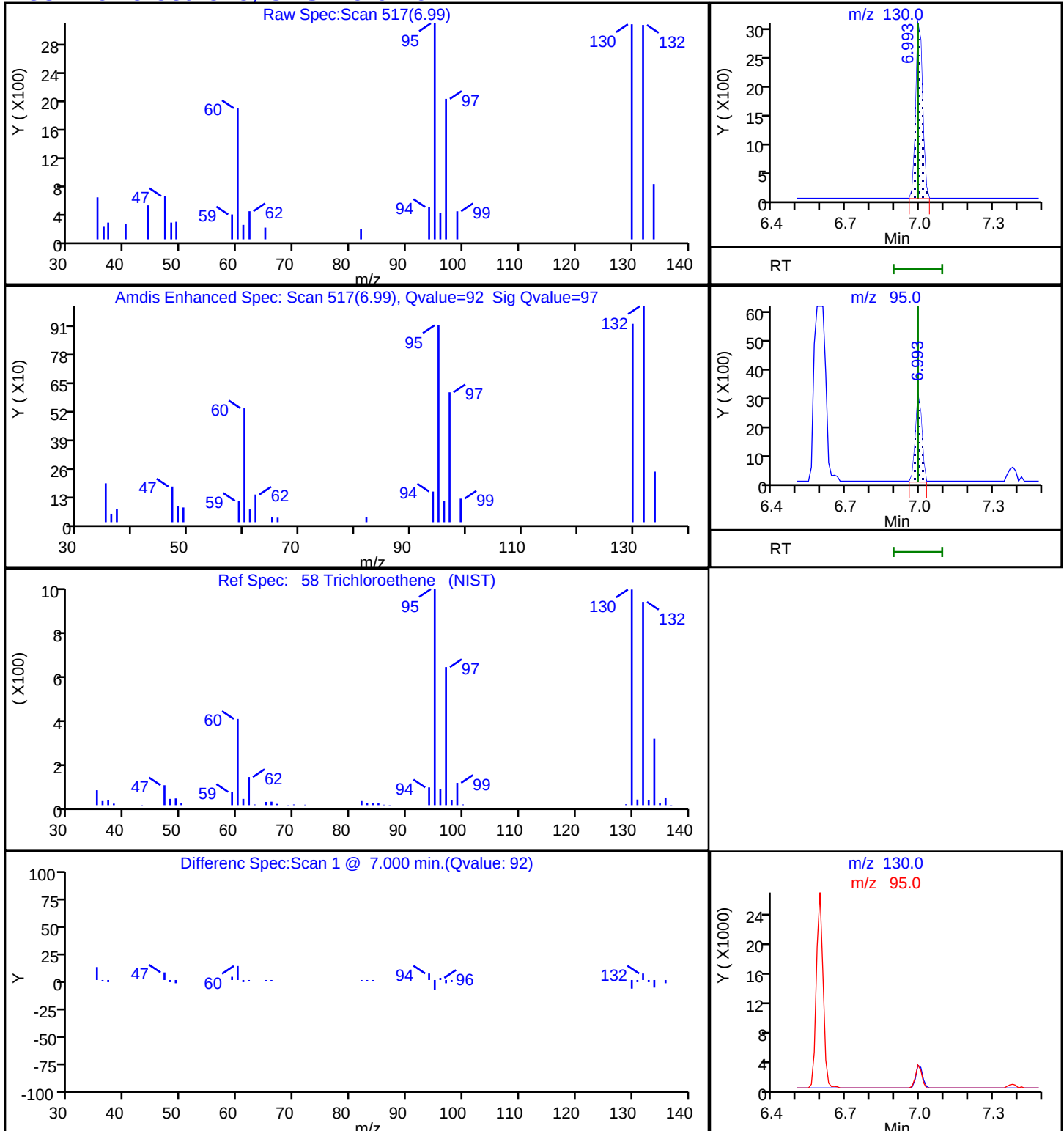
Dil. Factor: 1.0000

Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

58 Trichloroethene, CAS: 79-01-6

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\237984.D

Injection Date: 19-Oct-2023 22:00:30

Instrument ID: A3UX23

Lims ID: 240-193522-B-1

Lab Sample ID: 240-193522-1

Client ID: GW-100923-BE-024

Operator ID:

ALS Bottle#:

20

Worklist Smp#:

22

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260_23

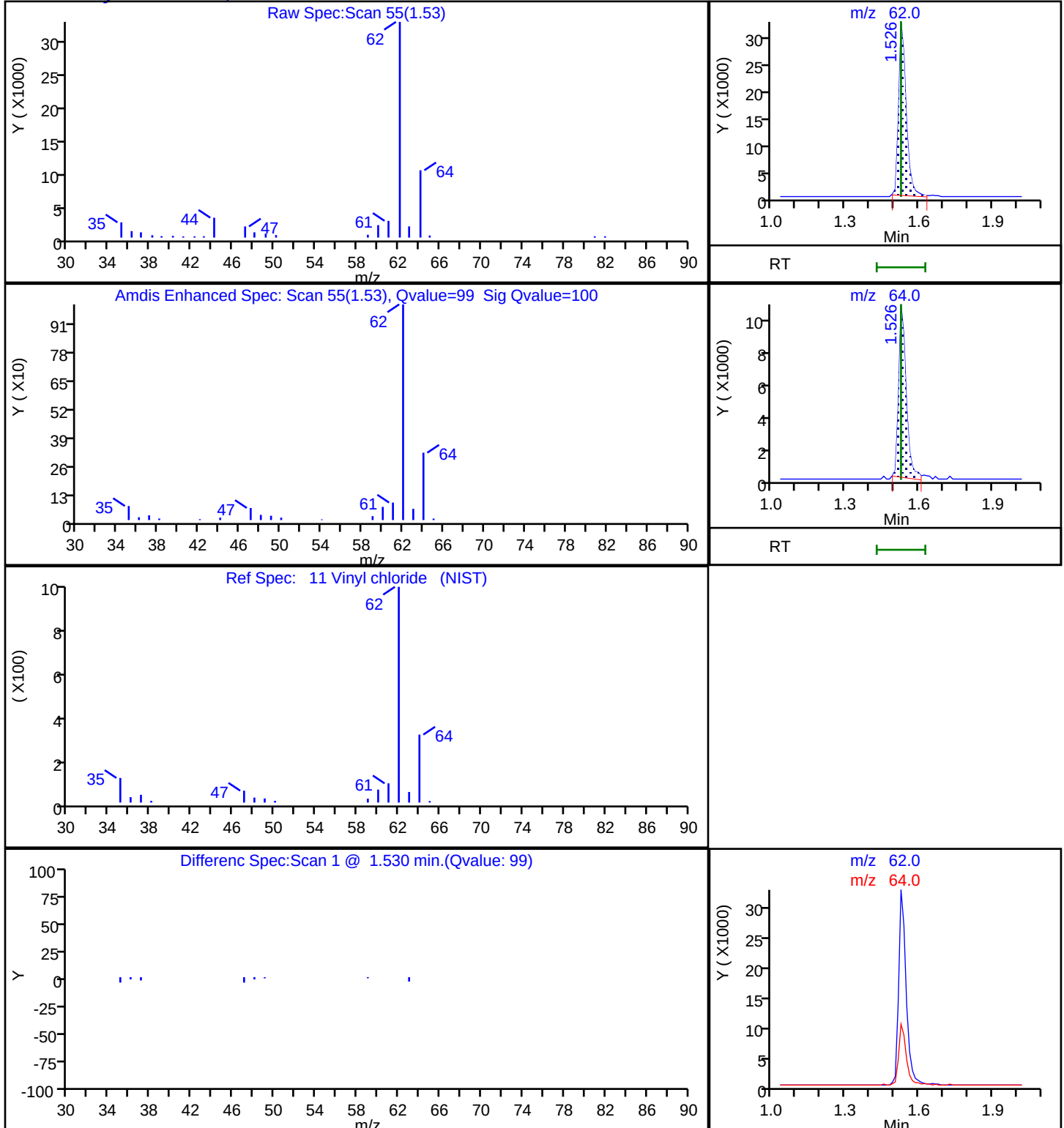
Limit Group:

MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector

MS SCAN

11 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>GW-100923-BE-025</u>	Lab Sample ID: <u>240-193522-2</u>
Matrix: <u>Water</u>	Lab File ID: <u>238002.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/09/2023 12:55</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/20/2023 17:41</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591677</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.48
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.46
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
591-78-6	2-Hexanone	10	U	10	1.1
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.42
78-93-3	2-Butanone (MEK)	10	U	10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	10	0.99
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
100-42-5	Styrene	1.0	U	1.0	0.45
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-01-4	Vinyl chloride	3.5	U	1.0	0.45
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>GW-100923-BE-025</u>	Lab Sample ID: <u>240-193522-2</u>
Matrix: <u>Water</u>	Lab File ID: <u>238002.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/09/2023 12:55</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/20/2023 17:41</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591677</u>	Units: <u>ug/L</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		62-137
460-00-4	4-Bromofluorobenzene (Surr)	81		56-136
2037-26-5	Toluene-d8 (Surr)	109		78-122
1868-53-7	Dibromofluoromethane (Surr)	111		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\238002.D
 Lims ID: 240-193522-B-2
 Client ID: GW-100923-BE-025
 Sample Type: Client
 Inject. Date: 20-Oct-2023 17:41:30 ALS Bottle#: 10 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134906-012
 Operator ID: Instrument ID: A3UX23
 Method: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 20-Oct-2023 23:29:51 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:34:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	603829	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.738	0.000	89	418277	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.057	12.058	-0.001	97	186090	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.810	0.000	93	146516	27.6	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.188	6.188	0.000	97	219185	28.5	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	96	555371	27.3	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	85	165559	20.3	
10 Chloromethane	50		1.432				ND	
11 Vinyl chloride	62	1.526	1.526	0.000	98	27539	3.49	
13 Bromomethane	94		1.834				ND	
14 Chloroethane	64		1.917				ND	
19 1,1-Dichloroethene	96		2.698				ND	
21 Acetone	58		2.792				ND	7
24 Carbon disulfide	76		2.923				ND	7
28 Methylene Chloride	84		3.313				ND	
32 trans-1,2-Dichloroethene	96		3.704				ND	
34 1,1-Dichloroethane	63		4.354				ND	
39 cis-1,2-Dichloroethene	96		5.183				ND	7
40 2-Butanone (MEK)	72		5.254				ND	
47 Chloroform	83		5.609				ND	
48 1,1,1-Trichloroethane	97		5.810				ND	
51 Carbon tetrachloride	117		5.999				ND	
54 Benzene	78		6.248				ND	
53 1,2-Dichloroethane	62		6.283				ND	
58 Trichloroethene	130		6.993				ND	
61 1,2-Dichloropropane	63		7.230				ND	
65 Dichlorobromomethane	83		7.537				ND	
68 cis-1,3-Dichloropropene	75		8.023				ND	
69 4-Methyl-2-pentanone (MIBK)	43		8.212				ND	
70 Toluene	91	8.354	8.354	0.000	91	3041	0.1179	
71 trans-1,3-Dichloropropene	75		8.591				ND	
73 1,1,2-Trichloroethane	97		8.768				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
75 Tetrachloroethene	164		8.910				ND	
76 2-Hexanone	43		9.052				ND	
78 Chlorodibromomethane	129		9.158				ND	
82 Chlorobenzene	112		9.762				ND	
84 Ethylbenzene	106		9.880				ND	
85 m-Xylene & p-Xylene	106		9.999				ND	
86 o-Xylene	106		10.389				ND	
87 Styrene	104		10.401				ND	
88 Bromoform	173		10.578				ND	
92 1,1,2,2-Tetrachloroethane	83		11.064				ND	
S 133 Xylenes, Total	106		17.050				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm125UX21_IS_00057	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_SS_00009	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 22-Oct-2023 15:08:20

Chrom Revision: 2.3 22-Sep-2023 11:33:50

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\238002.D

Injection Date: 20-Oct-2023 17:41:30

Instrument ID: A3UX23

Operator ID:

Lims ID: 240-193522-B-2

Lab Sample ID: 240-193522-2

Worklist Smp#: 12

Client ID: GW-100923-BE-025

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

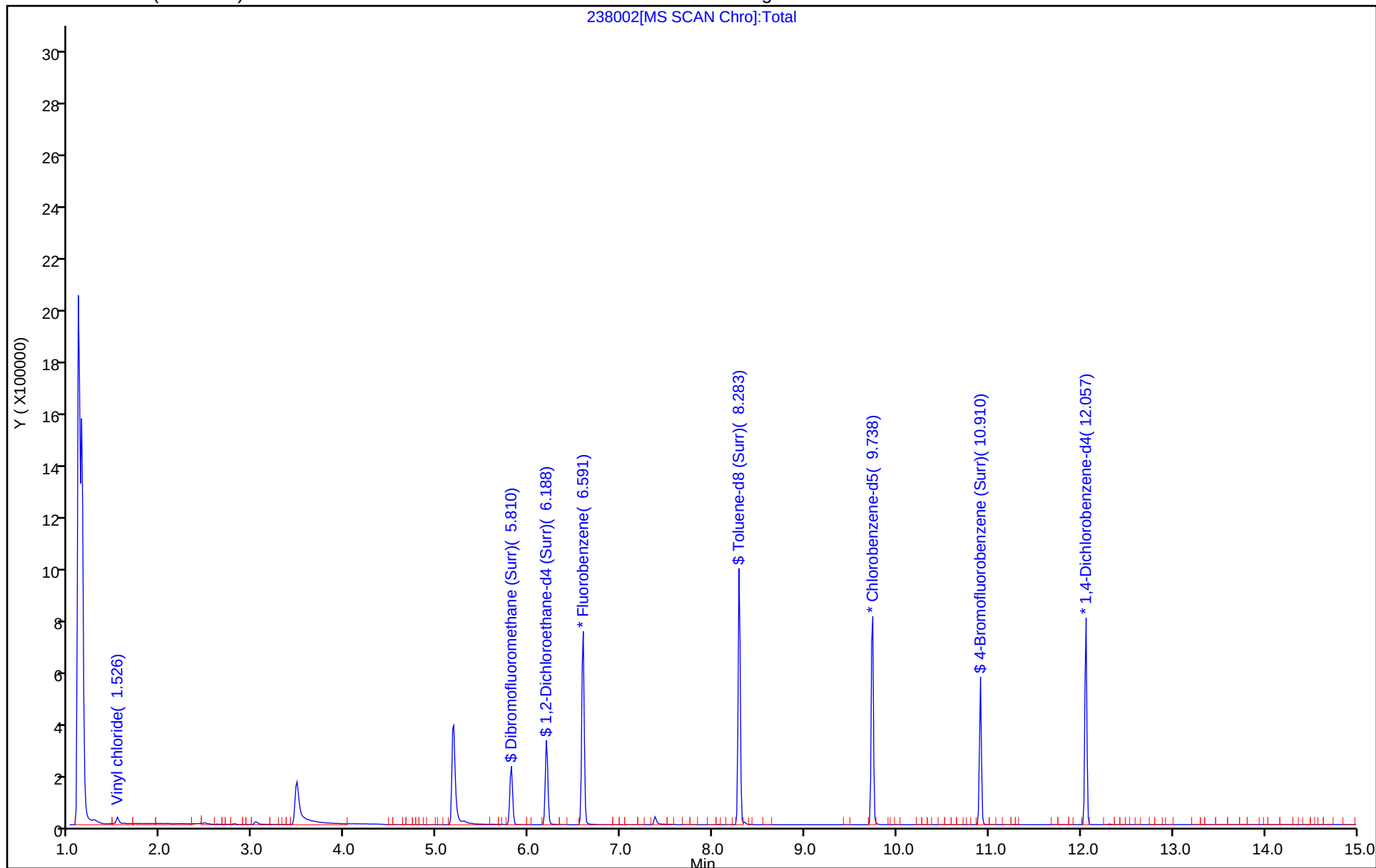
ALS Bottle#: 10

Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\238002.D
Lims ID: 240-193522-B-2
Client ID: GW-100923-BE-025
Sample Type: Client
Inject. Date: 20-Oct-2023 17:41:30 ALS Bottle#: 10 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0134906-012
Operator ID: Instrument ID: A3UX23
Method: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\8260_23.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Oct-2023 23:29:51 Calib Date: 04-Aug-2023 19:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1612

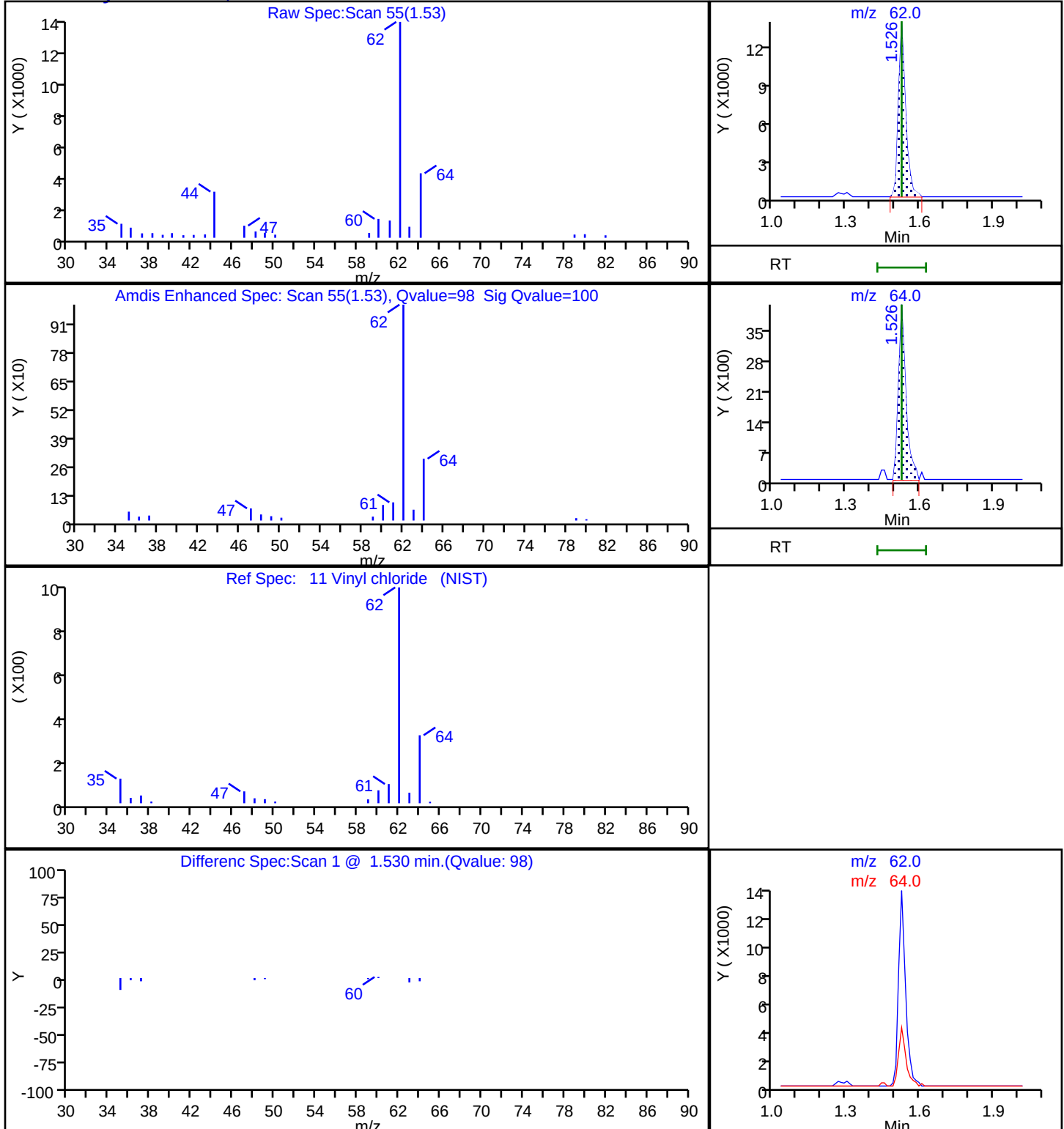
First Level Reviewer: PHN3

Date: 22-Oct-2023 13:34:27

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	27.6	110.52
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	28.5	114.20
\$ 6 Toluene-d8 (Surr)	25.0	27.3	109.01
\$ 7 4-Bromofluorobenzene (Surr)	25.0	20.3	81.23

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\238002.D
Injection Date: 20-Oct-2023 17:41:30 Instrument ID: A3UX23
Lims ID: 240-193522-B-2 Lab Sample ID: 240-193522-2
Client ID: GW-100923-BE-025
Operator ID: ALS Bottle#: 10 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_23 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

11 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>GW-100923-BE-026</u>	Lab Sample ID: <u>240-193522-3</u>
Matrix: <u>Water</u>	Lab File ID: <u>238003.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/09/2023 13:04</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/20/2023 18:06</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591677</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.48
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.46
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
591-78-6	2-Hexanone	10	U	10	1.1
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.42
78-93-3	2-Butanone (MEK)	10	U	10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	10	0.99
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
100-42-5	Styrene	1.0	U	1.0	0.45
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-01-4	Vinyl chloride	3.3	U	1.0	0.45
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: GW-100923-BE-026 Lab Sample ID: 240-193522-3
Matrix: Water Lab File ID: 238003.D
Analysis Method: 8260D Date Collected: 10/09/2023 13:04
Sample wt/vol: 5 (mL) Date Analyzed: 10/20/2023 18:06
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.: 591677 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		62-137
460-00-4	4-Bromofluorobenzene (Surr)	82		56-136
2037-26-5	Toluene-d8 (Surr)	107		78-122
1868-53-7	Dibromofluoromethane (Surr)	110		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\238003.D
 Lims ID: 240-193522-B-3
 Client ID: GW-100923-BE-026
 Sample Type: Client
 Inject. Date: 20-Oct-2023 18:06:30 ALS Bottle#: 11 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134906-013
 Operator ID: Instrument ID: A3UX23
 Method: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 20-Oct-2023 23:29:51 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	573742	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.738	0.000	89	410039	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.058	12.058	0.000	97	183005	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.810	0.000	93	138400	27.5	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.188	6.188	0.000	97	212556	29.1	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	96	536354	26.8	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	86	163610	20.5	
10 Chloromethane	50		1.432				ND	
11 Vinyl chloride	62	1.538	1.526	0.012	98	24613	3.29	
13 Bromomethane	94		1.834				ND	
14 Chloroethane	64		1.917				ND	
19 1,1-Dichloroethene	96		2.698				ND	
21 Acetone	58	2.804	2.792	0.012	97	3083	1.49	
24 Carbon disulfide	76	2.923	2.923	0.000	65	2034	0.1337	
28 Methylene Chloride	84		3.313				ND	
32 trans-1,2-Dichloroethene	96		3.704				ND	
34 1,1-Dichloroethane	63		4.354				ND	
39 cis-1,2-Dichloroethene	96		5.183				ND	7
40 2-Butanone (MEK)	72		5.254				ND	
47 Chloroform	83		5.609				ND	
48 1,1,1-Trichloroethane	97		5.810				ND	
51 Carbon tetrachloride	117		5.999				ND	
54 Benzene	78		6.248				ND	
53 1,2-Dichloroethane	62		6.283				ND	
58 Trichloroethene	130		6.993				ND	
61 1,2-Dichloropropane	63		7.230				ND	
65 Dichlorobromomethane	83		7.537				ND	
68 cis-1,3-Dichloropropene	75		8.023				ND	
69 4-Methyl-2-pentanone (MIBK)	43		8.212				ND	
70 Toluene	91	8.354	8.354	0.000	94	3147	0.1244	
71 trans-1,3-Dichloropropene	75		8.591				ND	
73 1,1,2-Trichloroethane	97		8.768				ND	
75 Tetrachloroethene	164		8.910				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
76 2-Hexanone	43		9.052				ND	
78 Chlorodibromomethane	129		9.158				ND	
82 Chlorobenzene	112		9.762				ND	
84 Ethylbenzene	106		9.880				ND	
85 m-Xylene & p-Xylene	106		9.999				ND	
86 o-Xylene	106		10.389				ND	
87 Styrene	104		10.401				ND	
88 Bromoform	173		10.578				ND	
92 1,1,2,2-Tetrachloroethane	83		11.064				ND	
S 133 Xylenes, Total	106		17.050				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm125UX21_IS_00057	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_SS_00009	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\238003.D

Injection Date: 20-Oct-2023 18:06:30

Instrument ID: A3UX23

Operator ID:

Lims ID: 240-193522-B-3

Lab Sample ID: 240-193522-3

Worklist Smp#: 13

Client ID: GW-100923-BE-026

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 11

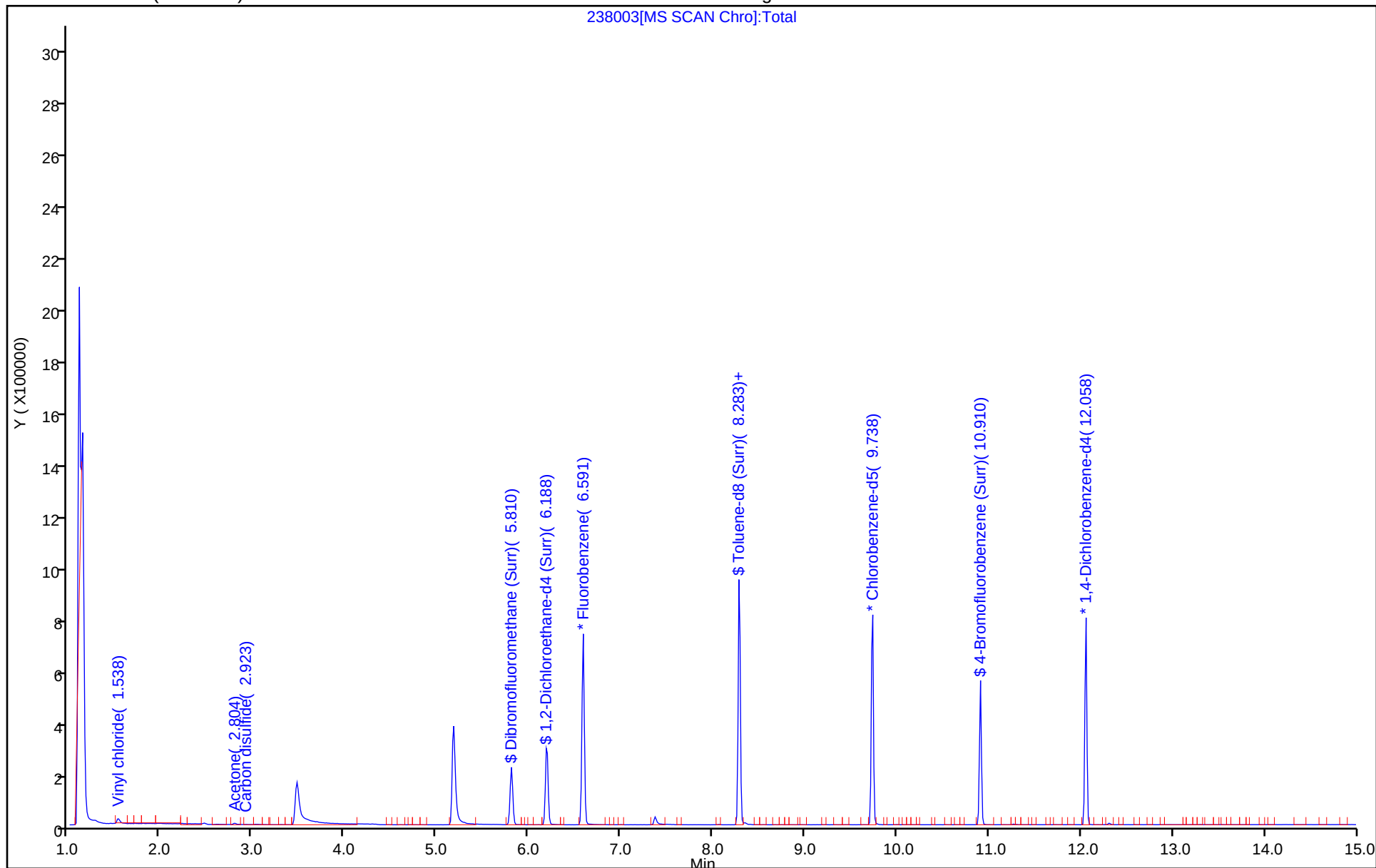
Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value

238003[MS SCAN Chro]:Total



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\238003.D
Lims ID: 240-193522-B-3
Client ID: GW-100923-BE-026
Sample Type: Client
Inject. Date: 20-Oct-2023 18:06:30 ALS Bottle#: 11 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0134906-013
Operator ID: Instrument ID: A3UX23
Method: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\8260_23.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Oct-2023 23:29:51 Calib Date: 04-Aug-2023 19:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1612

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	27.5	109.87
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	29.1	116.55
\$ 6 Toluene-d8 (Surr)	25.0	26.8	107.39
\$ 7 4-Bromofluorobenzene (Surr)	25.0	20.5	81.89

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\238003.D

Injection Date: 20-Oct-2023 18:06:30

Instrument ID: A3UX23

Lims ID: 240-193522-B-3

Lab Sample ID: 240-193522-3

Client ID: GW-100923-BE-026

Operator ID:

ALS Bottle#:

Worklist Smp#: 13

Purge Vol: 5.000 mL

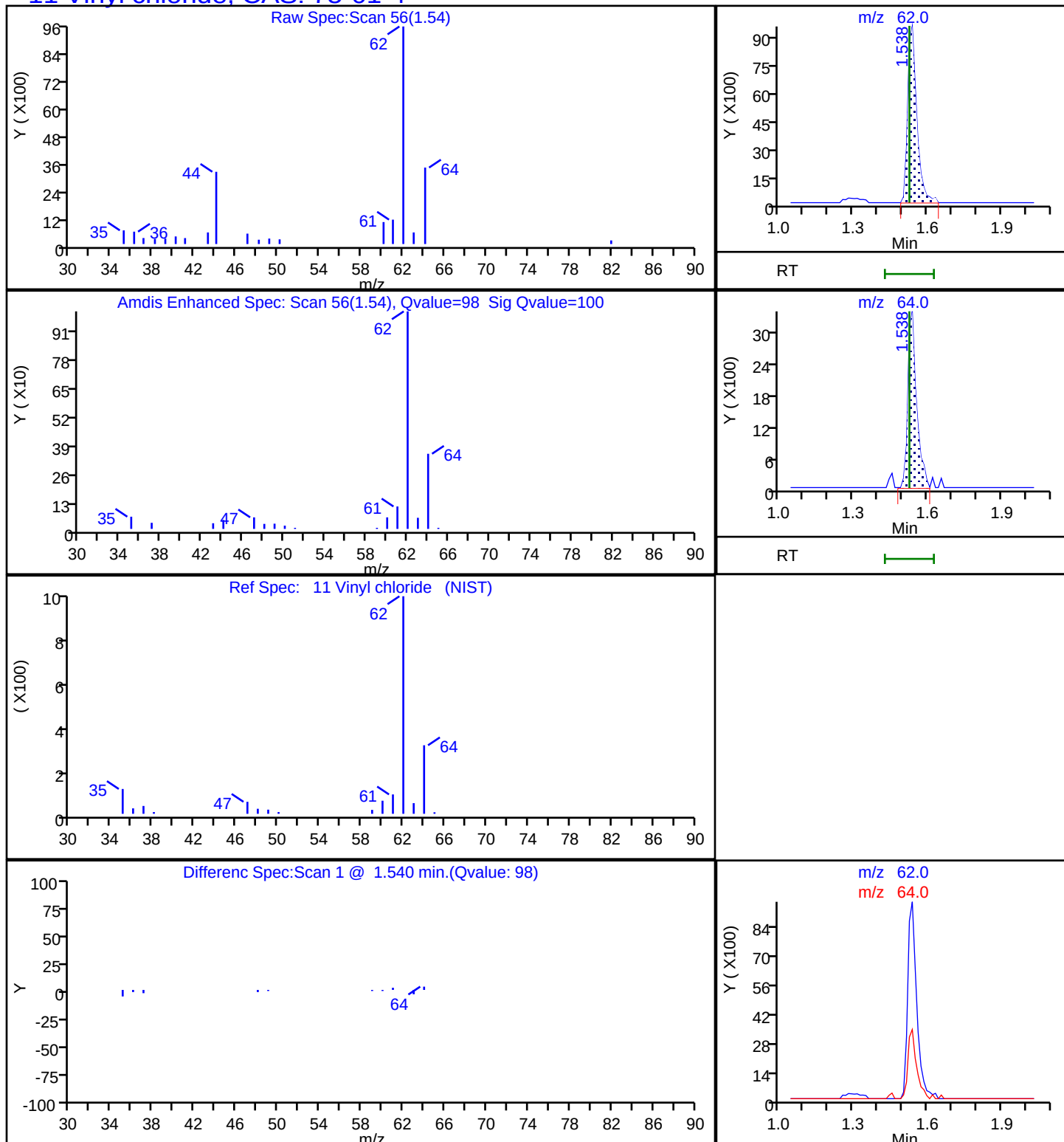
Dil. Factor: 1.0000

Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

11 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>GW-100923-BE-027</u>	Lab Sample ID: <u>240-193522-4</u>
Matrix: <u>Water</u>	Lab File ID: <u>237987.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/09/2023 14:21</u>
Sample wt/vol: <u>5(mL)</u>	Date Analyzed: <u>10/19/2023 23:16</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591496</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.48
75-34-3	1,1-Dichloroethane	3.2		1.0	0.47
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.46
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
591-78-6	2-Hexanone	10	U	10	1.1
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.42
78-93-3	2-Butanone (MEK)	10	U	10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	10	0.99
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
100-42-5	Styrene	1.0	U	1.0	0.45
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	37		1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-01-4	Vinyl chloride	3.7		1.0	0.45
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: GW-100923-BE-027 Lab Sample ID: 240-193522-4
Matrix: Water Lab File ID: 237987.D
Analysis Method: 8260D Date Collected: 10/09/2023 14:21
Sample wt/vol: 5 (mL) Date Analyzed: 10/19/2023 23:16
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 591496 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	120		62-137
460-00-4	4-Bromofluorobenzene (Surr)	82		56-136
2037-26-5	Toluene-d8 (Surr)	108		78-122
1868-53-7	Dibromofluoromethane (Surr)	116		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\237987.D
 Lims ID: 240-193522-C-4
 Client ID: GW-100923-BE-027
 Sample Type: Client
 Inject. Date: 19-Oct-2023 23:16:30 ALS Bottle#: 23 Worklist Smp#: 25
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134843-025
 Operator ID: Instrument ID: A3UX23
 Method: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 20-Oct-2023 12:01:53 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1630

First Level Reviewer: PHN3

Date: 20-Oct-2023 12:11:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	566982	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.738	0.000	89	404433	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.057	12.057	0.000	97	183161	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.810	0.000	92	143954	28.9	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.188	6.188	0.000	97	215870	29.9	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	96	531789	27.0	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	85	161851	20.5	
10 Chloromethane	50		1.431				ND	
11 Vinyl chloride	62	1.538	1.526	0.012	99	27071	3.66	
13 Bromomethane	94		1.834				ND	
14 Chloroethane	64		1.917				ND	
19 1,1-Dichloroethene	96		2.686				ND	
21 Acetone	58	2.804	2.792	0.012	98	2491	0.8317	
24 Carbon disulfide	76		2.922				ND	
28 Methylene Chloride	84		3.301				ND	7
32 trans-1,2-Dichloroethene	96	3.703	3.692	0.011	94	222683	37.0	
34 1,1-Dichloroethane	63	4.354	4.342	0.012	97	38418	3.23	
39 cis-1,2-Dichloroethene	96	5.183	5.171	0.012	86	2582461	386.9	E
40 2-Butanone (MEK)	72		5.254				ND	
47 Chloroform	83		5.609				ND	
48 1,1,1-Trichloroethane	97		5.798				ND	
51 Carbon tetrachloride	117		5.999				ND	
54 Benzene	78		6.247				ND	
53 1,2-Dichloroethane	62		6.283				ND	
58 Trichloroethene	130	7.005	6.993	0.012	91	1311	0.2147	
61 1,2-Dichloropropane	63		7.230				ND	
65 Dichlorobromomethane	83		7.537				ND	
68 cis-1,3-Dichloropropene	75		8.011				ND	
69 4-Methyl-2-pentanone (MIBK)	43		8.212				ND	
70 Toluene	91		8.354				ND	7
71 trans-1,3-Dichloropropene	75		8.590				ND	
73 1,1,2-Trichloroethane	97		8.768				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
75 Tetrachloroethene	164		8.910				ND	
76 2-Hexanone	43		9.052				ND	
78 Chlorodibromomethane	129		9.158				ND	
82 Chlorobenzene	112		9.762				ND	
84 Ethylbenzene	106		9.880				ND	
85 m-Xylene & p-Xylene	106		9.999				ND	
86 o-Xylene	106		10.389				ND	
87 Styrene	104		10.401				ND	
88 Bromoform	173		10.578				ND	
92 1,1,2,2-Tetrachloroethane	83		11.063				ND	
S 133 Xylenes, Total	106		17.050				ND	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Reagents:

vm125UX21_IS_00057	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_SS_00009	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\237987.D

Injection Date: 19-Oct-2023 23:16:30

Instrument ID: A3UX23

Operator ID:

Lims ID: 240-193522-C-4

Lab Sample ID: 240-193522-4

Worklist Smp#: 25

Client ID: GW-100923-BE-027

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

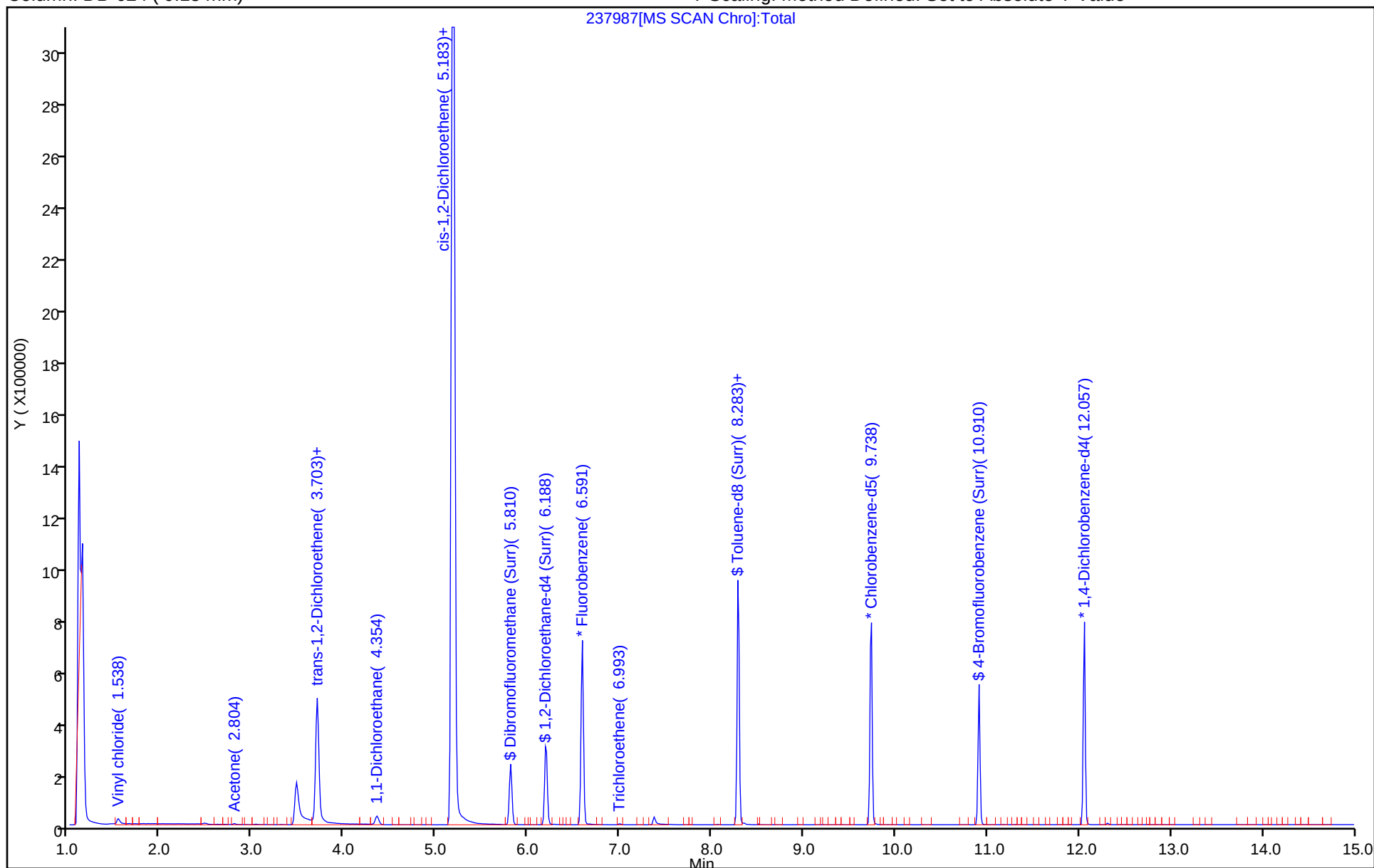
ALS Bottle#: 23

Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\237987.D
Lims ID: 240-193522-C-4
Client ID: GW-100923-BE-027
Sample Type: Client
Inject. Date: 19-Oct-2023 23:16:30 ALS Bottle#: 23 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0134843-025
Operator ID: Instrument ID: A3UX23
Method: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\8260_23.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Oct-2023 12:01:53 Calib Date: 04-Aug-2023 19:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1630

First Level Reviewer: PHN3

Date: 20-Oct-2023 12:11:47

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	28.9	115.64
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	29.9	119.78
\$ 6 Toluene-d8 (Surr)	25.0	27.0	107.96
\$ 7 4-Bromofluorobenzene (Surr)	25.0	20.5	82.13

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\237987.D

Injection Date: 19-Oct-2023 23:16:30

Instrument ID: A3UX23

Lims ID: 240-193522-C-4

Lab Sample ID: 240-193522-4

Client ID: GW-100923-BE-027

Operator ID:

ALS Bottle#:

23

Worklist Smp#:

25

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260_23

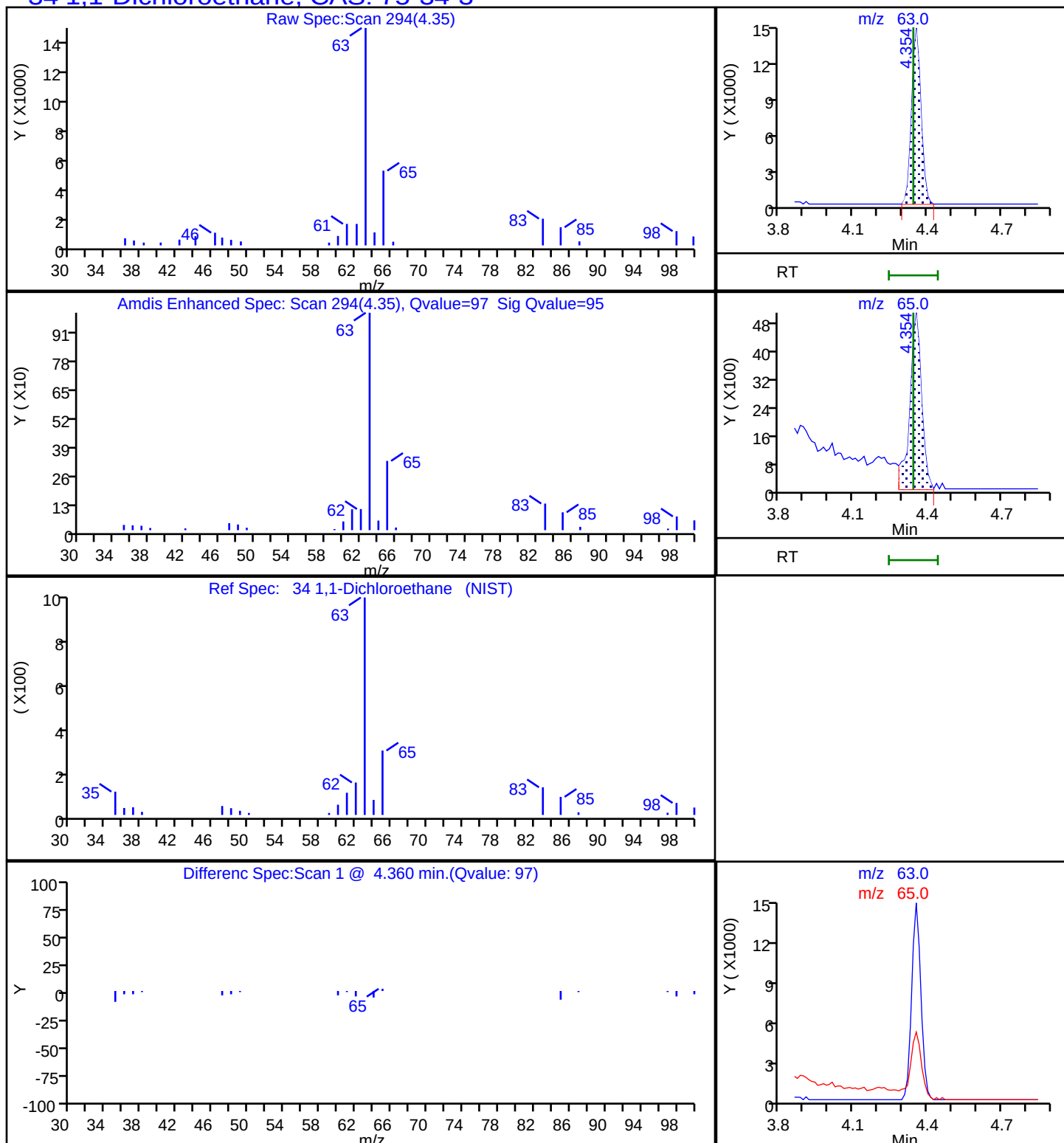
Limit Group:

MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector

MS SCAN

34 1,1-Dichloroethane, CAS: 75-34-3

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\237987.D

Injection Date: 19-Oct-2023 23:16:30

Instrument ID: A3UX23

Lims ID: 240-193522-C-4

Lab Sample ID: 240-193522-4

Client ID: GW-100923-BE-027

Operator ID:

ALS Bottle#:

23

Worklist Smp#:

25

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260_23

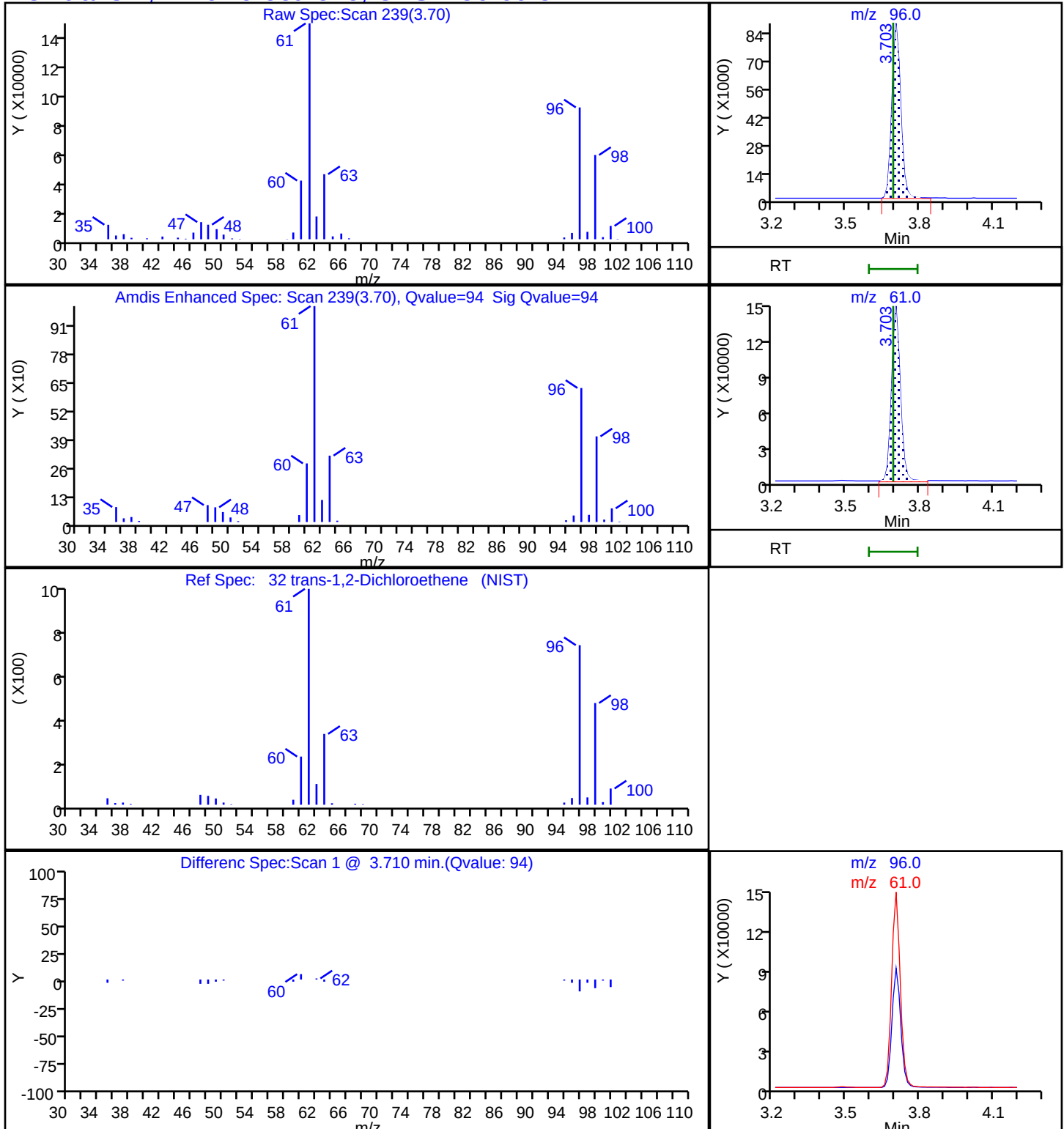
Limit Group:

MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector

MS SCAN

32 trans-1,2-Dichloroethene, CAS: 156-60-5

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\237987.D

Injection Date: 19-Oct-2023 23:16:30

Instrument ID: A3UX23

Lims ID: 240-193522-C-4

Lab Sample ID: 240-193522-4

Client ID: GW-100923-BE-027

Operator ID:

ALS Bottle#:

23

Worklist Smp#:

25

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260_23

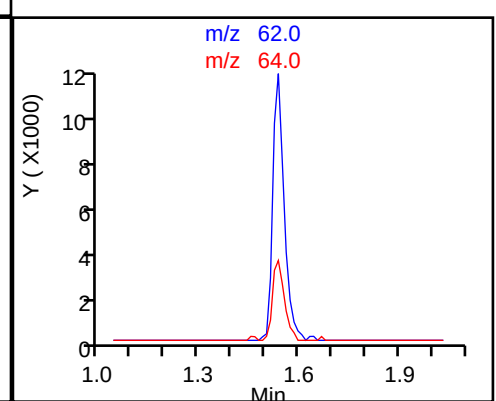
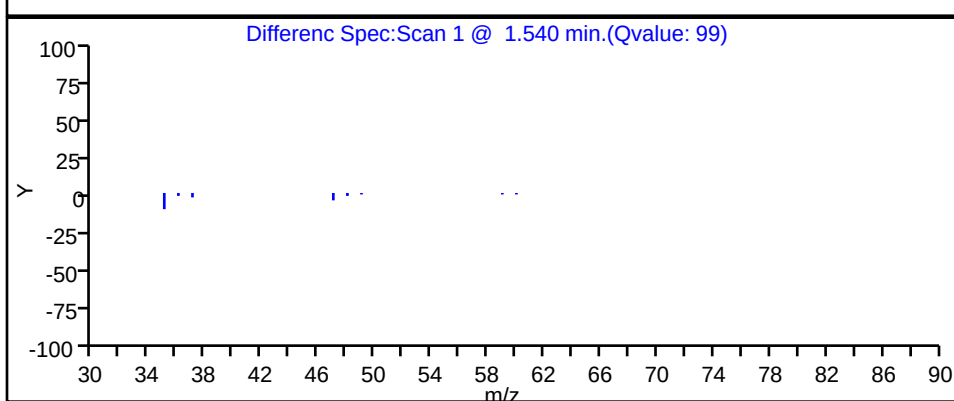
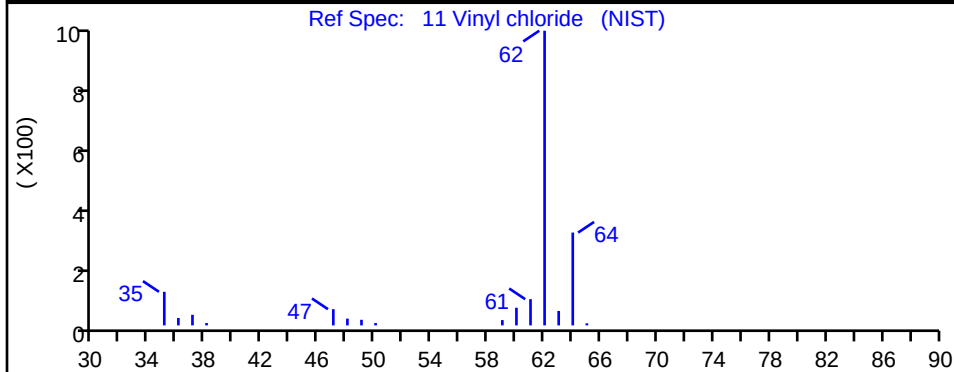
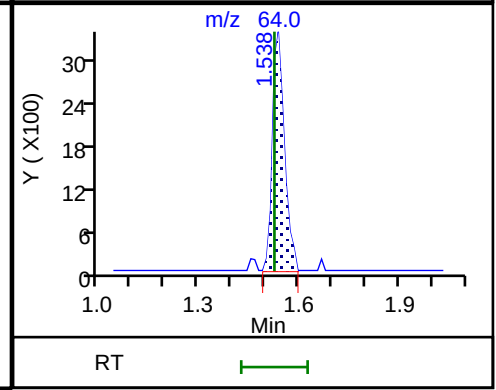
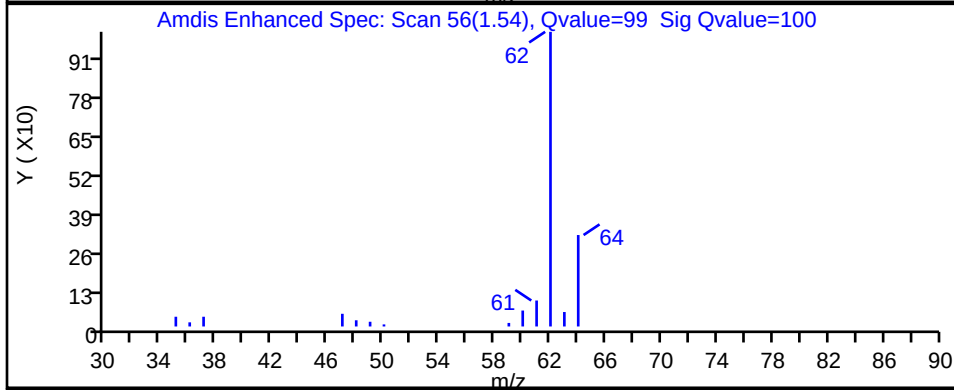
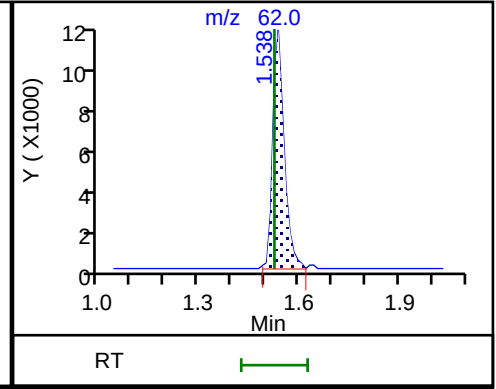
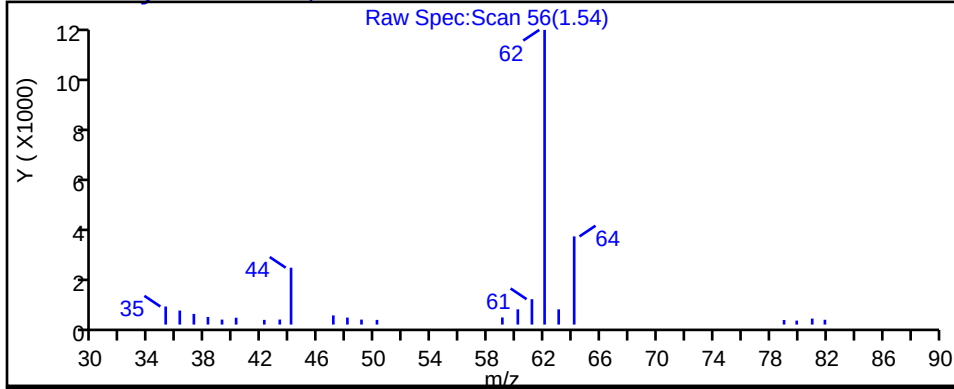
Limit Group:

MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector

MS SCAN

11 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>GW-100923-BE-027</u>	Lab Sample ID: <u>240-193522-4</u>
Matrix: <u>Water</u>	Lab File ID: <u>238004.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/09/2023 14:21</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/20/2023 18:31</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591677</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	310		10	4.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	117		62-137
460-00-4	4-Bromofluorobenzene (Surr)	84		56-136
2037-26-5	Toluene-d8 (Surr)	113		78-122
1868-53-7	Dibromofluoromethane (Surr)	112		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\238004.D
 Lims ID: 240-193522-B-4
 Client ID: GW-100923-BE-027
 Sample Type: Client
 Inject. Date: 20-Oct-2023 18:31:30 ALS Bottle#: 12 Worklist Smp#: 14
 Purge Vol: 5.000 mL Dil. Factor: 10.0000
 Sample Info: 240-0134906-014
 Operator ID: Instrument ID: A3UX23
 Method: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 20-Oct-2023 23:29:51 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:35:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	570841	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.738	0.000	89	398048	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.057	12.058	-0.001	97	179835	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.810	0.000	93	140626	28.1	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.188	6.188	0.000	97	212582	29.3	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	96	545597	28.1	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	85	163658	21.1	
10 Chloromethane	50		1.432				ND	
11 Vinyl chloride	62	1.526	1.526	0.000	94	2334	0.3133	
13 Bromomethane	94		1.834				ND	
14 Chloroethane	64		1.917				ND	
19 1,1-Dichloroethene	96		2.698				ND	
21 Acetone	58	2.792	2.792	0.000	98	2165	0.4257	
24 Carbon disulfide	76		2.923				ND	7
28 Methylene Chloride	84		3.313				ND	7
32 trans-1,2-Dichloroethene	96	3.703	3.704	-0.001	94	17943	2.96	
34 1,1-Dichloroethane	63	4.354	4.354	0.000	93	3310	0.2762	
39 cis-1,2-Dichloroethene	96	5.183	5.183	0.000	77	207955	30.9	
40 2-Butanone (MEK)	72		5.254				ND	
47 Chloroform	83		5.609				ND	
48 1,1,1-Trichloroethane	97		5.810				ND	
51 Carbon tetrachloride	117		5.999				ND	
54 Benzene	78		6.248				ND	
53 1,2-Dichloroethane	62		6.283				ND	
58 Trichloroethene	130		6.993				ND	
61 1,2-Dichloropropane	63		7.230				ND	
65 Dichlorobromomethane	83		7.537				ND	
68 cis-1,3-Dichloropropene	75		8.023				ND	
69 4-Methyl-2-pentanone (MIBK)	43		8.212				ND	
70 Toluene	91		8.354				ND	7
71 trans-1,3-Dichloropropene	75		8.591				ND	
73 1,1,2-Trichloroethane	97		8.768				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
75 Tetrachloroethene	164		8.910				ND	
76 2-Hexanone	43		9.052				ND	
78 Chlorodibromomethane	129		9.158				ND	
82 Chlorobenzene	112		9.762				ND	
84 Ethylbenzene	106		9.880				ND	
85 m-Xylene & p-Xylene	106		9.999				ND	
86 o-Xylene	106		10.389				ND	
87 Styrene	104		10.401				ND	
88 Bromoform	173		10.578				ND	
92 1,1,2,2-Tetrachloroethane	83		11.064				ND	
S 133 Xylenes, Total	106		17.050				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm125UX21_IS_00057	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_SS_00009	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 22-Oct-2023 15:08:22

Chrom Revision: 2.3 22-Sep-2023 11:33:50

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\238004.D

Injection Date: 20-Oct-2023 18:31:30

Instrument ID: A3UX23

Operator ID:

Lims ID: 240-193522-B-4

Lab Sample ID: 240-193522-4

Worklist Smp#: 14

Client ID: GW-100923-BE-027

Purge Vol: 5.000 mL

Dil. Factor: 10.0000

ALS Bottle#: 12

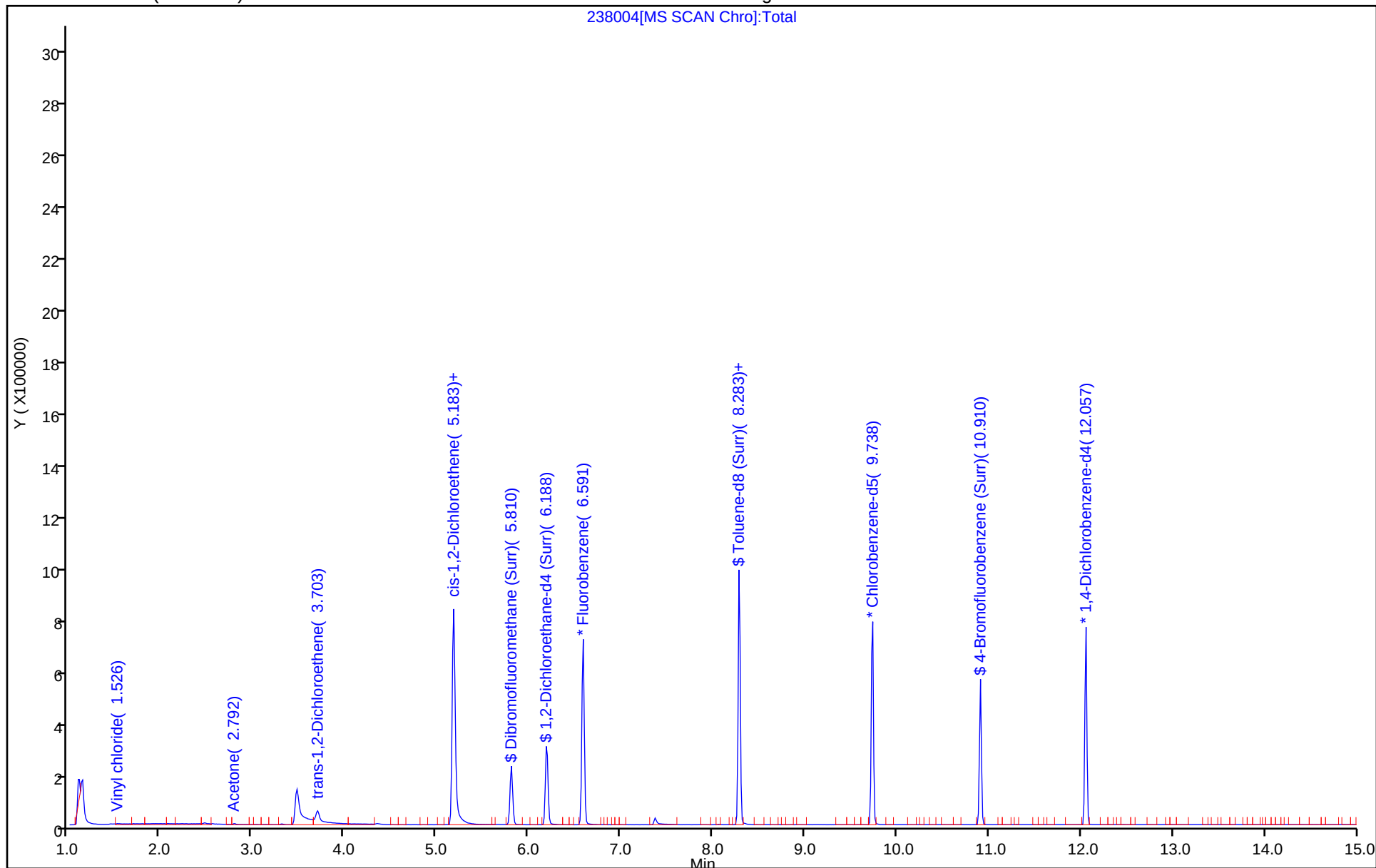
Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value

238004[MS SCAN Chro]:Total



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\238004.D
Lims ID: 240-193522-B-4
Client ID: GW-100923-BE-027
Sample Type: Client
Inject. Date: 20-Oct-2023 18:31:30 ALS Bottle#: 12 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 240-0134906-014
Operator ID: Instrument ID: A3UX23
Method: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\8260_23.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Oct-2023 23:29:51 Calib Date: 04-Aug-2023 19:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:35:20

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	28.1	112.21
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	29.3	117.16
\$ 6 Toluene-d8 (Surr)	25.0	28.1	112.54
\$ 7 4-Bromofluorobenzene (Surr)	25.0	21.1	84.38

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\238004.D

Injection Date: 20-Oct-2023 18:31:30

Instrument ID: A3UX23

Lims ID: 240-193522-B-4

Lab Sample ID: 240-193522-4

Client ID: GW-100923-BE-027

Operator ID:

ALS Bottle#:

Worklist Smp#: 14

Purge Vol: 5.000 mL

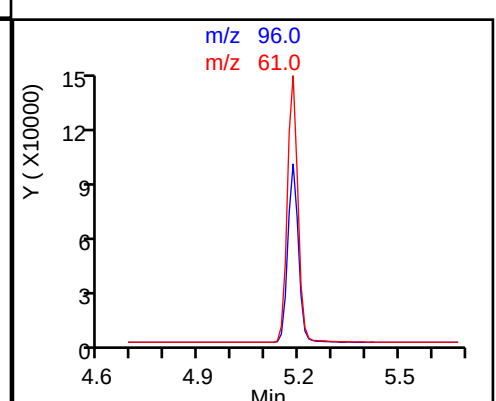
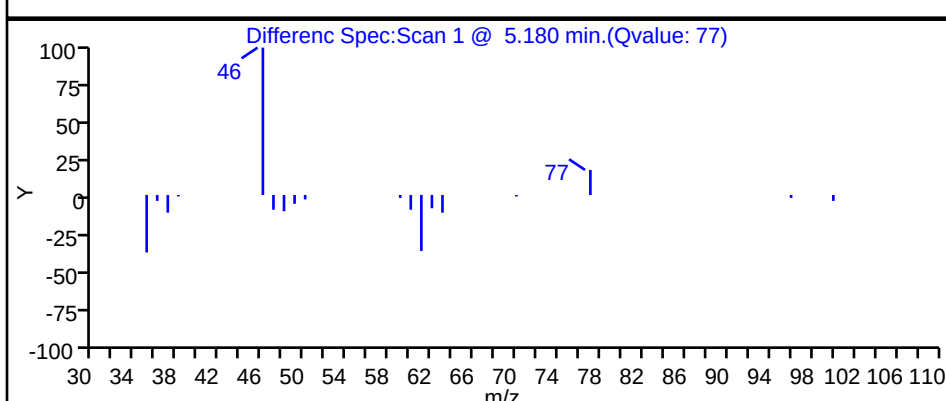
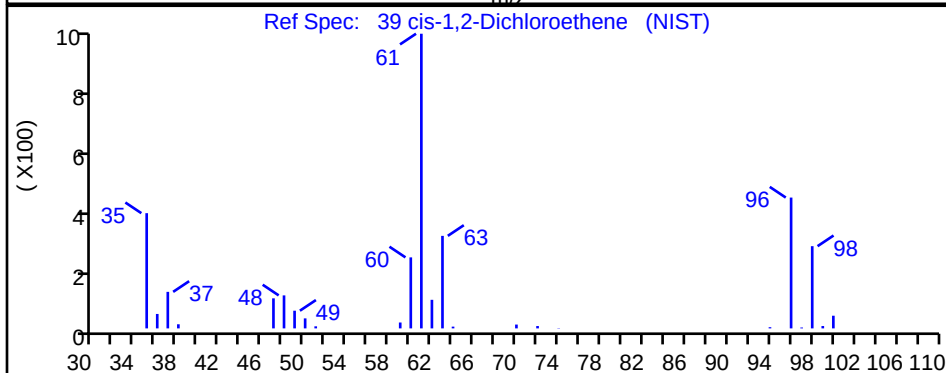
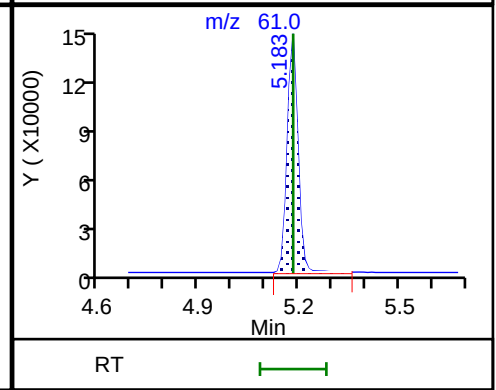
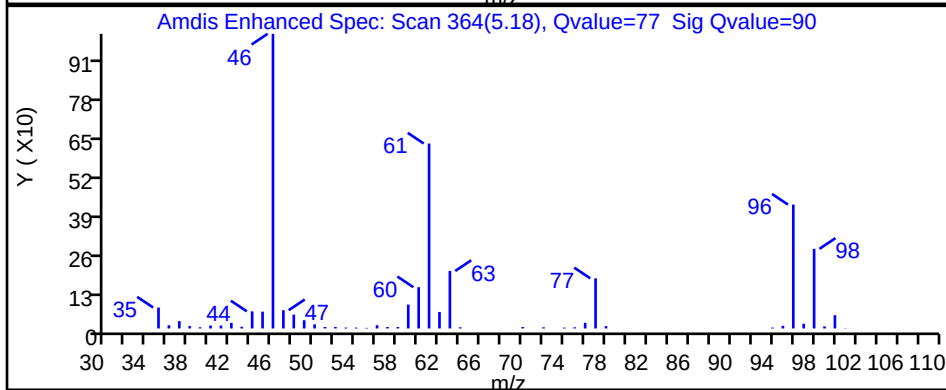
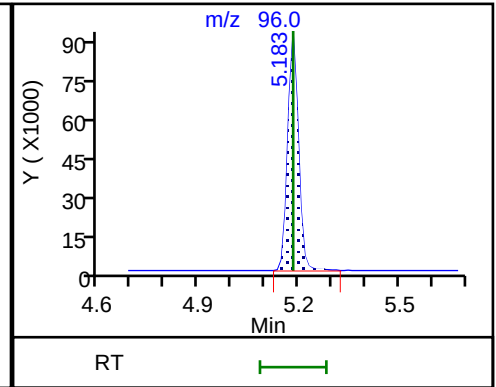
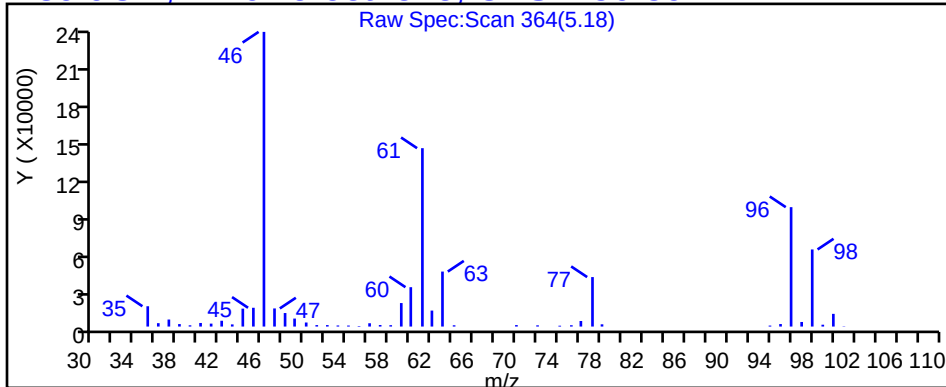
Dil. Factor: 10.0000

Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

39 cis-1,2-Dichloroethene, CAS: 156-59-2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>GW-100923-BE-028</u>	Lab Sample ID: <u>240-193522-5</u>
Matrix: <u>Water</u>	Lab File ID: <u>238005.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/09/2023 15:40</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/20/2023 18:56</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591677</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.48
75-34-3	1,1-Dichloroethane	1.4		1.0	0.47
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.46
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
591-78-6	2-Hexanone	10	U	10	1.1
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.42
78-93-3	2-Butanone (MEK)	10	U	10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	10	0.99
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
100-42-5	Styrene	1.0	U	1.0	0.45
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
79-01-6	Trichloroethene	1.0	U	1.0	0.44
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: GW-100923-BE-028 Lab Sample ID: 240-193522-5
Matrix: Water Lab File ID: 238005.D
Analysis Method: 8260D Date Collected: 10/09/2023 15:40
Sample wt/vol: 5 (mL) Date Analyzed: 10/20/2023 18:56
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 591677 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		62-137
460-00-4	4-Bromofluorobenzene (Surr)	83		56-136
2037-26-5	Toluene-d8 (Surr)	109		78-122
1868-53-7	Dibromofluoromethane (Surr)	109		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\238005.D
 Lims ID: 240-193522-B-5
 Client ID: GW-100923-BE-028
 Sample Type: Client
 Inject. Date: 20-Oct-2023 18:56:30 ALS Bottle#: 13 Worklist Smp#: 15
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134906-015
 Operator ID: Instrument ID: A3UX23
 Method: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 20-Oct-2023 23:29:51 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:47:35

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	585037	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.738	0.000	89	403246	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.057	12.058	-0.001	97	179840	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.810	0.000	93	140203	27.3	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.188	6.188	0.000	97	212000	28.5	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	96	537444	27.4	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	85	163494	20.8	
10 Chloromethane	50		1.432				ND	
11 Vinyl chloride	62	1.538	1.526	0.012	99	498749	65.3	E
13 Bromomethane	94		1.834				ND	
14 Chloroethane	64		1.917				ND	
19 1,1-Dichloroethene	96		2.698				ND	
21 Acetone	58		2.792				ND	7
24 Carbon disulfide	76		2.923				ND	7
28 Methylene Chloride	84		3.313				ND	
32 trans-1,2-Dichloroethene	96	3.715	3.704	0.011	89	954	0.1537	
34 1,1-Dichloroethane	63	4.354	4.354	0.000	98	16826	1.37	
39 cis-1,2-Dichloroethene	96	5.183	5.183	0.000	86	601445	87.3	E
40 2-Butanone (MEK)	72		5.254				ND	
47 Chloroform	83		5.609				ND	
48 1,1,1-Trichloroethane	97		5.810				ND	
51 Carbon tetrachloride	117		5.999				ND	
54 Benzene	78		6.248				ND	
53 1,2-Dichloroethane	62		6.283				ND	
58 Trichloroethene	130		6.993				ND	
61 1,2-Dichloropropane	63		7.230				ND	
65 Dichlorobromomethane	83		7.537				ND	
68 cis-1,3-Dichloropropene	75		8.023				ND	
69 4-Methyl-2-pentanone (MIBK)	43		8.212				ND	
70 Toluene	91		8.354				ND	7
71 trans-1,3-Dichloropropene	75		8.591				ND	
73 1,1,2-Trichloroethane	97		8.768				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
75 Tetrachloroethene	164		8.910				ND	
76 2-Hexanone	43		9.052				ND	
78 Chlorodibromomethane	129		9.158				ND	
82 Chlorobenzene	112		9.762				ND	
84 Ethylbenzene	106		9.880				ND	
85 m-Xylene & p-Xylene	106		9.999				ND	
86 o-Xylene	106		10.389				ND	
87 Styrene	104		10.401				ND	
88 Bromoform	173		10.578				ND	
92 1,1,2,2-Tetrachloroethane	83		11.064				ND	
S 133 Xylenes, Total	106		17.050				ND	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Reagents:

vm125UX21_IS_00057	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_SS_00009	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\238005.D

Injection Date: 20-Oct-2023 18:56:30

Instrument ID: A3UX23

Operator ID:

Lims ID: 240-193522-B-5

Lab Sample ID: 240-193522-5

Worklist Smp#: 15

Client ID: GW-100923-BE-028

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 13

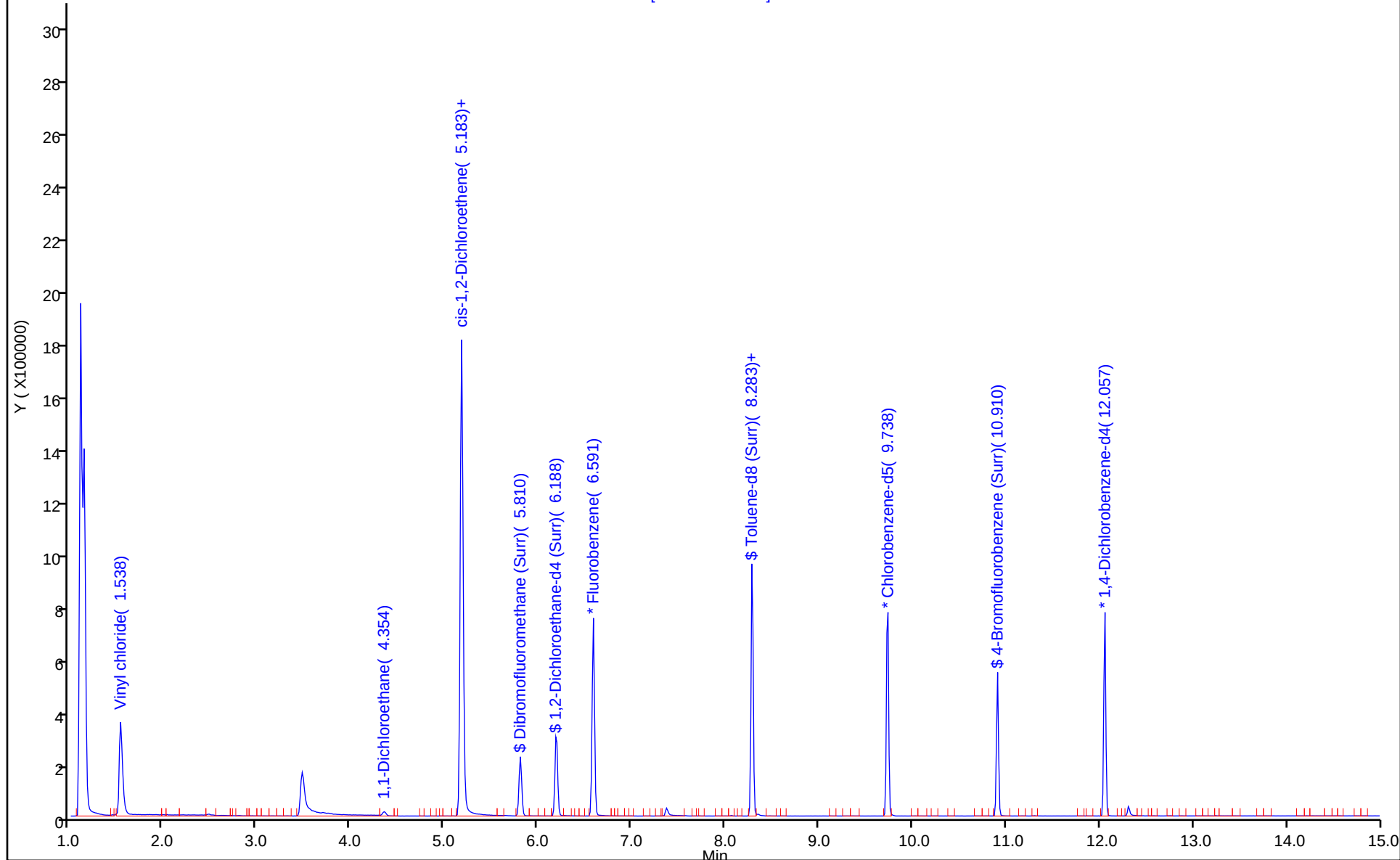
Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value

238005[MS SCAN Chro]:Total



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\238005.D
Lims ID: 240-193522-B-5
Client ID: GW-100923-BE-028
Sample Type: Client
Inject. Date: 20-Oct-2023 18:56:30 ALS Bottle#: 13 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0134906-015
Operator ID: Instrument ID: A3UX23
Method: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\8260_23.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Oct-2023 23:29:51 Calib Date: 04-Aug-2023 19:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:47:35

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	27.3	109.15
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	28.5	114.00
\$ 6 Toluene-d8 (Surr)	25.0	27.4	109.43
\$ 7 4-Bromofluorobenzene (Surr)	25.0	20.8	83.21

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\238005.D

Injection Date: 20-Oct-2023 18:56:30

Instrument ID: A3UX23

Lims ID: 240-193522-B-5

Lab Sample ID: 240-193522-5

Client ID: GW-100923-BE-028

Operator ID:

ALS Bottle#:

13

Worklist Smp#:

15

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260_23

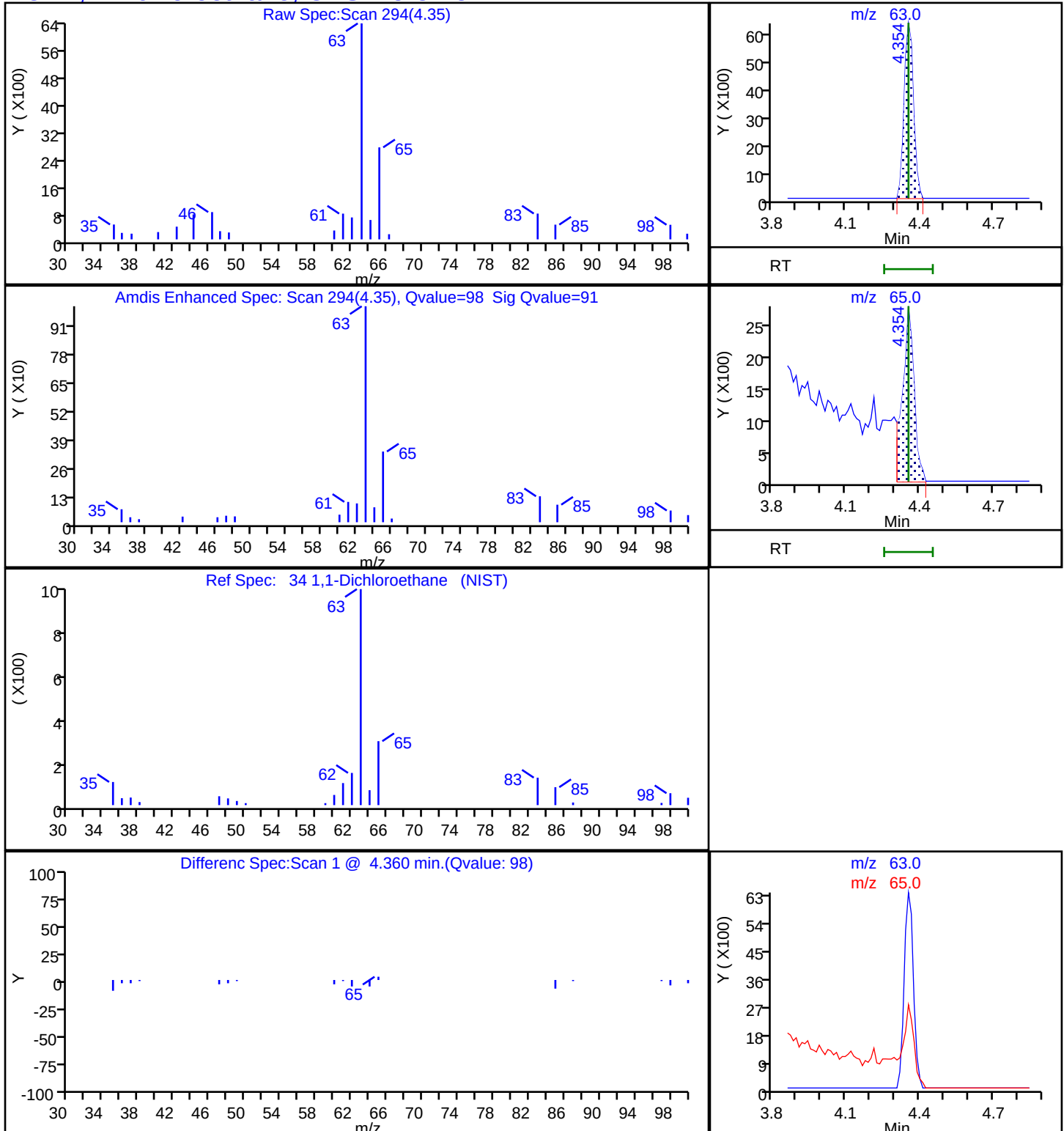
Limit Group:

MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector

MS SCAN

34 1,1-Dichloroethane, CAS: 75-34-3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>GW-100923-BE-028</u>	Lab Sample ID: <u>240-193522-5</u>
Matrix: <u>Water</u>	Lab File ID: <u>238037.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/09/2023 15:40</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/22/2023 21:58</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>2</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591763</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	79		2.0	0.92
75-01-4	Vinyl chloride	56		2.0	0.90

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		62-137
460-00-4	4-Bromofluorobenzene (Surr)	84		56-136
2037-26-5	Toluene-d8 (Surr)	110		78-122
1868-53-7	Dibromofluoromethane (Surr)	110		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\238037.D
 Lims ID: 240-193522-A-5
 Client ID: GW-100923-BE-028
 Sample Type: Client
 Inject. Date: 22-Oct-2023 21:58:30 ALS Bottle#: 17 Worklist Smp#: 19
 Purge Vol: 5.000 mL Dil. Factor: 2.0000
 Sample Info: 240-0134938-019
 Operator ID: Instrument ID: A3UX23
 Method: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 23-Oct-2023 12:10:30 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1668

First Level Reviewer: PHN3

Date: 23-Oct-2023 12:06:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	585567	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.727	0.011	89	402459	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.057	12.058	-0.001	97	182125	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.798	0.012	93	141004	27.4	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.188	6.189	0.000	97	214714	28.8	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	96	540696	27.6	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	86	165089	21.0	
10 Chloromethane	50		1.420				ND	
11 Vinyl chloride	62	1.526	1.526	0.000	99	214160	28.0	
13 Bromomethane	94		1.834				ND	
14 Chloroethane	64		1.905				ND	
19 1,1-Dichloroethene	96		2.698				ND	
21 Acetone	58		2.781				ND	7
24 Carbon disulfide	76		2.923				ND	
28 Methylene Chloride	84		3.301				ND	7
32 trans-1,2-Dichloroethene	96		3.692				ND	7
34 1,1-Dichloroethane	63	4.354	4.343	0.011	95	7631	0.6207	
39 cis-1,2-Dichloroethene	96	5.182	5.171	0.011	85	272776	39.6	
40 2-Butanone (MEK)	72		5.254				ND	
47 Chloroform	83		5.609				ND	
48 1,1,1-Trichloroethane	97		5.798				ND	
51 Carbon tetrachloride	117		5.999				ND	
54 Benzene	78		6.248				ND	
53 1,2-Dichloroethane	62		6.283				ND	
58 Trichloroethene	130		6.993				ND	
61 1,2-Dichloropropane	63		7.230				ND	
65 Dichlorobromomethane	83		7.537				ND	
68 cis-1,3-Dichloropropene	75		8.011				ND	
69 4-Methyl-2-pentanone (MIBK)	43		8.212				ND	
70 Toluene	91		8.354				ND	7
71 trans-1,3-Dichloropropene	75		8.591				ND	
73 1,1,2-Trichloroethane	97		8.768				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
75 Tetrachloroethene	164		8.910				ND	
76 2-Hexanone	43		9.052				ND	
78 Chlorodibromomethane	129		9.159				ND	
82 Chlorobenzene	112		9.762				ND	
84 Ethylbenzene	106		9.880				ND	
85 m-Xylene & p-Xylene	106		9.999				ND	
86 o-Xylene	106		10.389				ND	
87 Styrene	104		10.401				ND	
88 Bromoform	173		10.579				ND	
92 1,1,2,2-Tetrachloroethane	83		11.064				ND	
S 133 Xylenes, Total	106		17.050				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm125UX21_IS_00057	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_SS_00009	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\238037.D

Injection Date: 22-Oct-2023 21:58:30

Instrument ID: A3UX23

Operator ID:

Lims ID: 240-193522-A-5

Lab Sample ID: 240-193522-5

Worklist Smp#: 19

Client ID: GW-100923-BE-028

Purge Vol: 5.000 mL

Dil. Factor: 2.0000

ALS Bottle#: 17

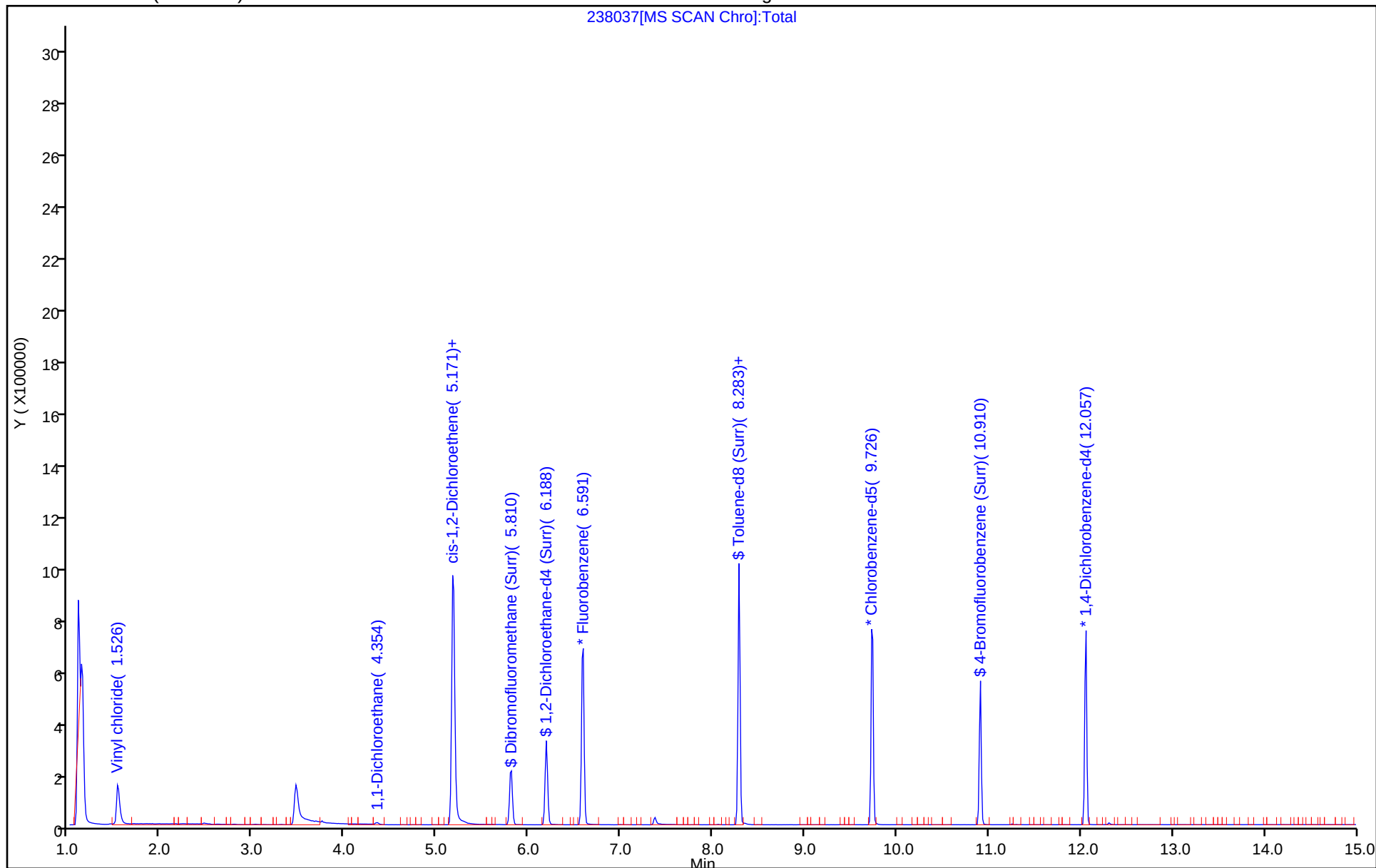
Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value

238037[MS SCAN Chro]:Total



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\238037.D
Lims ID: 240-193522-A-5
Client ID: GW-100923-BE-028
Sample Type: Client
Inject. Date: 22-Oct-2023 21:58:30 ALS Bottle#: 17 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 2.0000
Sample Info: 240-0134938-019
Operator ID: Instrument ID: A3UX23
Method: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\8260_23.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Oct-2023 12:10:30 Calib Date: 04-Aug-2023 19:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: PHN3

Date: 23-Oct-2023 12:06:06

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	27.4	109.68
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	28.8	115.36
\$ 6 Toluene-d8 (Surr)	25.0	27.6	110.30
\$ 7 4-Bromofluorobenzene (Surr)	25.0	21.0	84.19

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\238037.D

Injection Date: 22-Oct-2023 21:58:30

Instrument ID: A3UX23

Lims ID: 240-193522-A-5

Lab Sample ID: 240-193522-5

Client ID: GW-100923-BE-028

Operator ID:

ALS Bottle#:

17

Worklist Smp#:

19

Purge Vol: 5.000 mL

Dil. Factor:

2.0000

Method: 8260_23

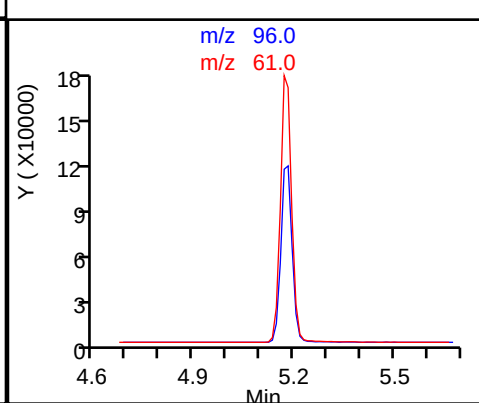
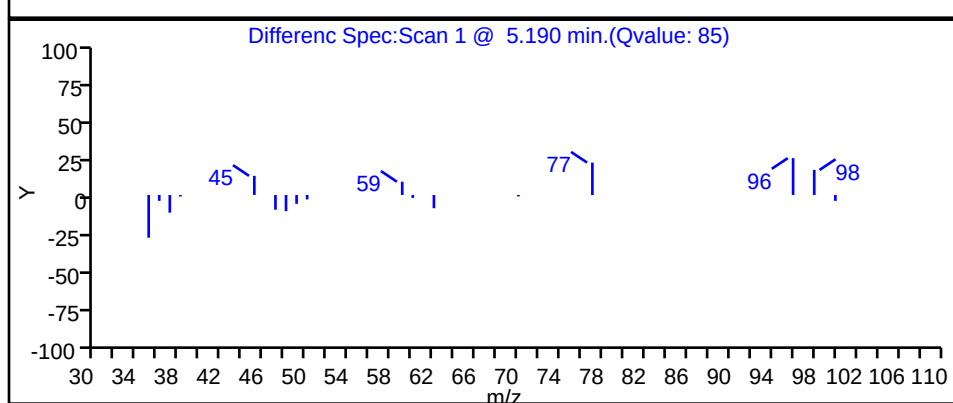
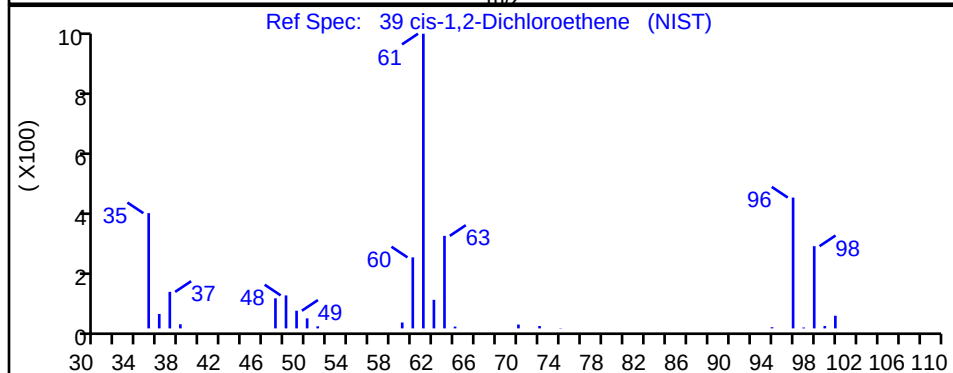
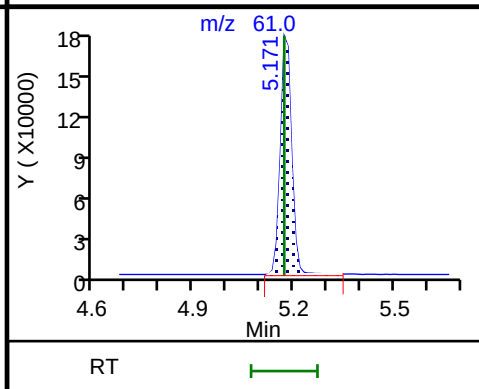
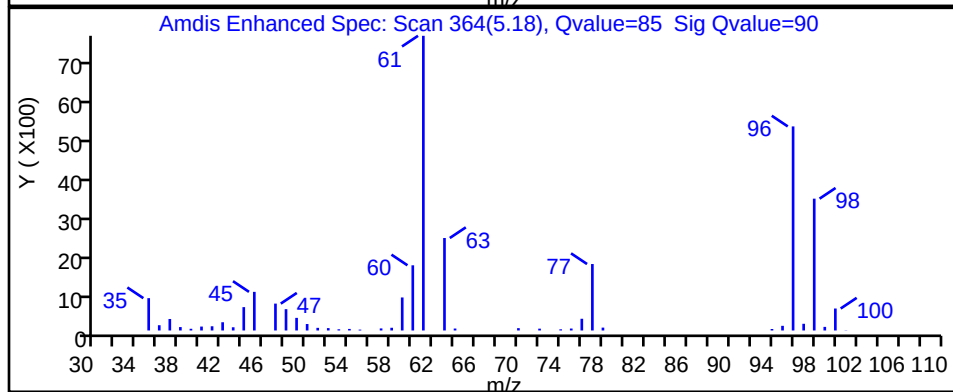
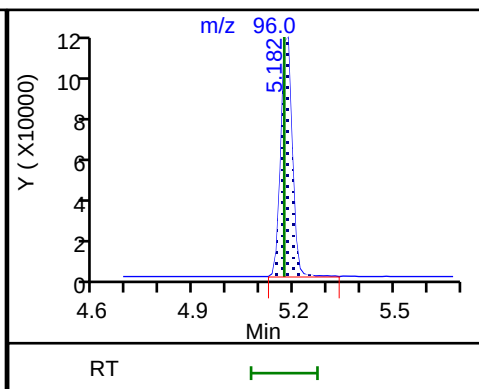
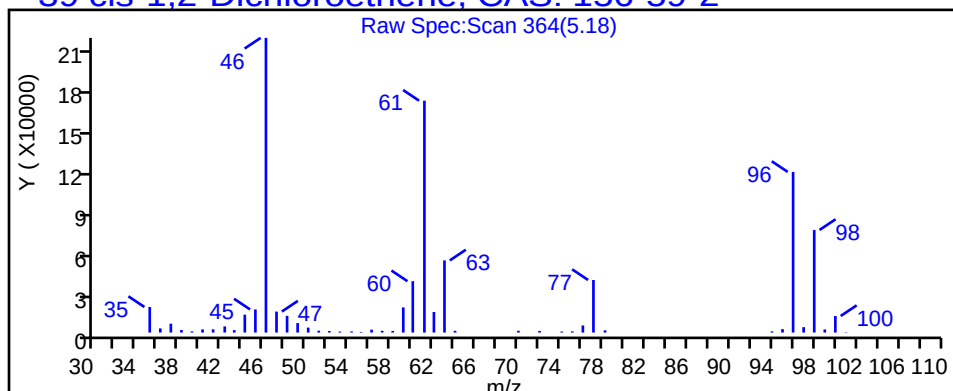
Limit Group:

MSV 8260C ICAL

Column: DB-624 (0.18 mm)

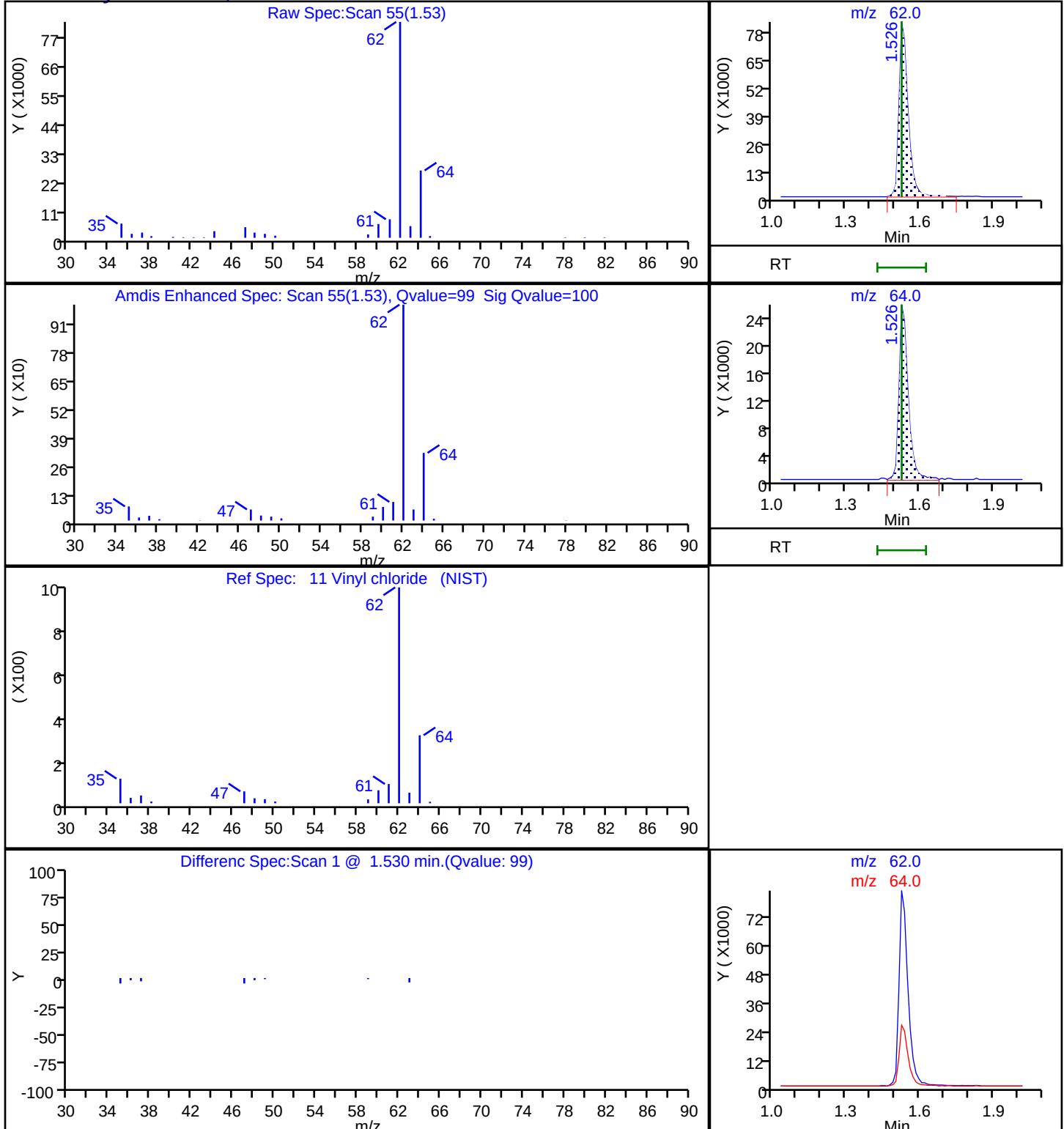
Detector

MS SCAN

39 cis-1,2-Dichloroethene, CAS: 156-59-2

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\238037.D
Injection Date: 22-Oct-2023 21:58:30 Instrument ID: A3UX23
Lims ID: 240-193522-A-5 Lab Sample ID: 240-193522-5
Client ID: GW-100923-BE-028
Operator ID: ALS Bottle#: 17 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 2.0000
Method: 8260_23 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

11 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>EB-100923-BE-003</u>	Lab Sample ID: <u>240-193522-6</u>
Matrix: <u>Water</u>	Lab File ID: <u>237989.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/09/2023 15:58</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/20/2023 00:06</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591496</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.48
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.46
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
591-78-6	2-Hexanone	10	U	10	1.1
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
156-59-2	cis-1,2-Dichloroethene	0.48	J	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.42
78-93-3	2-Butanone (MEK)	10	U	10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	10	0.99
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
100-42-5	Styrene	1.0	U	1.0	0.45
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-01-4	Vinyl chloride	1.0	U	1.0	0.45
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: EB-100923-BE-003 Lab Sample ID: 240-193522-6
Matrix: Water Lab File ID: 237989.D
Analysis Method: 8260D Date Collected: 10/09/2023 15:58
Sample wt/vol: 5 (mL) Date Analyzed: 10/20/2023 00:06
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.: 591496 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	121		62-137
460-00-4	4-Bromofluorobenzene (Surr)	80		56-136
2037-26-5	Toluene-d8 (Surr)	109		78-122
1868-53-7	Dibromofluoromethane (Surr)	113		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\237989.D
 Lims ID: 240-193522-C-6
 Client ID: EB-100923-BE-003
 Sample Type: Client
 Inject. Date: 20-Oct-2023 00:06:30 ALS Bottle#: 25 Worklist Smp#: 27
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134843-027
 Operator ID: Instrument ID: A3UX23
 Method: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 20-Oct-2023 12:01:53 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1630

First Level Reviewer: PHN3

Date: 20-Oct-2023 12:13:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	547246	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.738	0.000	89	387532	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.058	12.057	0.001	97	177883	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.810	0.000	92	135550	28.2	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.188	6.188	0.000	97	210599	30.3	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	96	515691	27.3	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	85	150876	20.0	
10 Chloromethane	50		1.431				ND	
11 Vinyl chloride	62		1.526				ND	
13 Bromomethane	94		1.834				ND	
14 Chloroethane	64		1.917				ND	
19 1,1-Dichloroethene	96		2.686				ND	
21 Acetone	58	2.804	2.792	0.012	99	1975	0.3016	
24 Carbon disulfide	76		2.922				ND	7
28 Methylene Chloride	84		3.301				ND	
32 trans-1,2-Dichloroethene	96		3.692				ND	7
34 1,1-Dichloroethane	63		4.342				ND	
39 cis-1,2-Dichloroethene	96	5.183	5.171	0.012	38	3086	0.4790	
40 2-Butanone (MEK)	72		5.254				ND	
47 Chloroform	83		5.609				ND	
48 1,1,1-Trichloroethane	97		5.798				ND	
51 Carbon tetrachloride	117		5.999				ND	
54 Benzene	78		6.247				ND	
53 1,2-Dichloroethane	62		6.283				ND	
58 Trichloroethene	130		6.993				ND	
61 1,2-Dichloropropane	63		7.230				ND	
65 Dichlorobromomethane	83		7.537				ND	
68 cis-1,3-Dichloropropene	75		8.011				ND	
69 4-Methyl-2-pentanone (MIBK)	43		8.212				ND	
70 Toluene	91		8.354				ND	7
71 trans-1,3-Dichloropropene	75		8.590				ND	
73 1,1,2-Trichloroethane	97		8.768				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
75 Tetrachloroethene	164		8.910				ND	
76 2-Hexanone	43		9.052				ND	
78 Chlorodibromomethane	129		9.158				ND	
82 Chlorobenzene	112		9.762				ND	
84 Ethylbenzene	106		9.880				ND	
85 m-Xylene & p-Xylene	106		9.999				ND	
86 o-Xylene	106		10.389				ND	
87 Styrene	104		10.401				ND	
88 Bromoform	173		10.578				ND	
92 1,1,2,2-Tetrachloroethane	83		11.063				ND	
S 133 Xylenes, Total	106		17.050				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm125UX21_IS_00057	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_SS_00009	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 20-Oct-2023 12:16:09

Chrom Revision: 2.3 22-Sep-2023 11:33:50

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\237989.D

Injection Date: 20-Oct-2023 00:06:30

Instrument ID: A3UX23

Operator ID:

Lims ID: 240-193522-C-6

Lab Sample ID: 240-193522-6

Worklist Smp#: 27

Client ID: EB-100923-BE-003

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

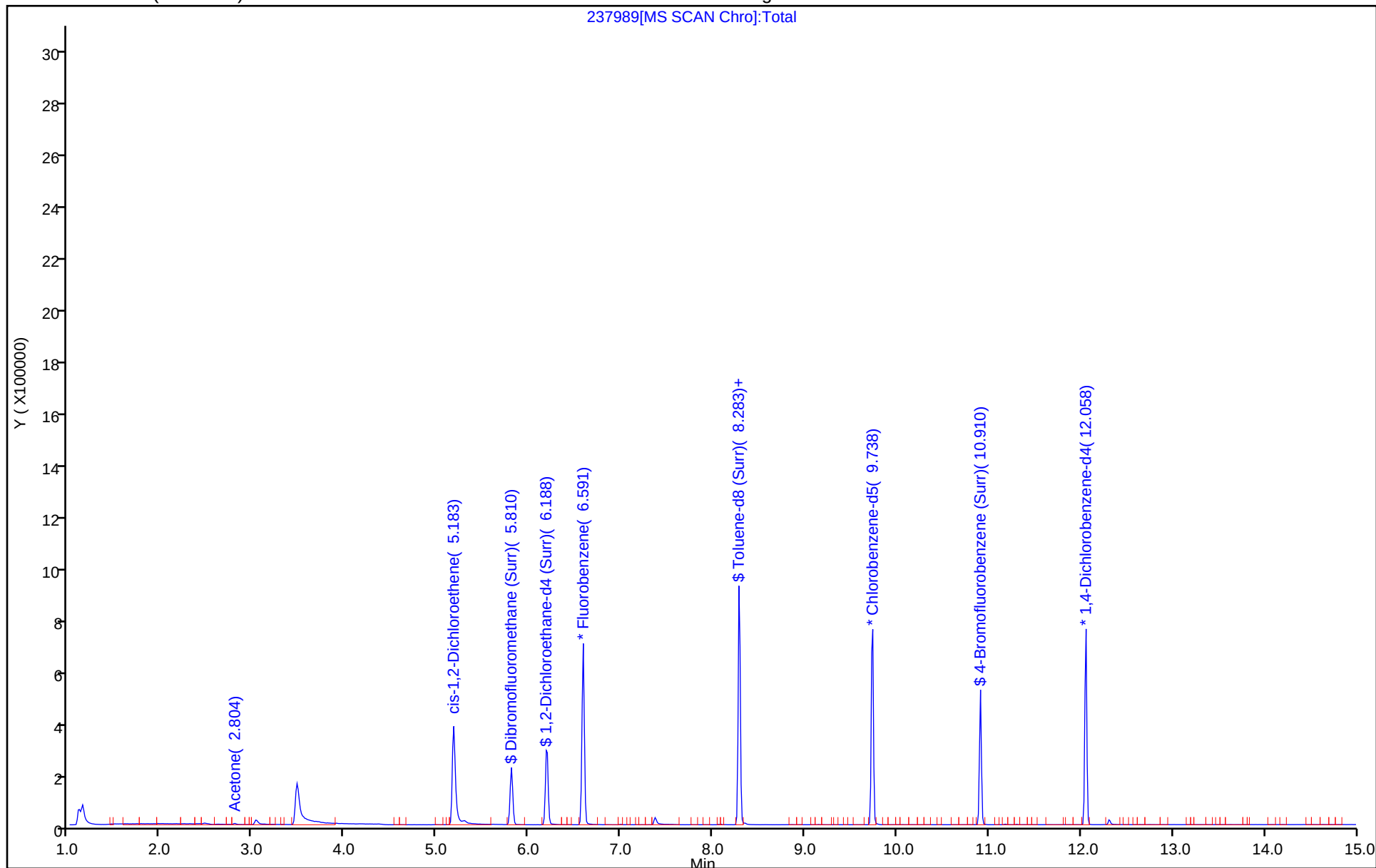
ALS Bottle#: 25

Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\237989.D
Lims ID: 240-193522-C-6
Client ID: EB-100923-BE-003
Sample Type: Client
Inject. Date: 20-Oct-2023 00:06:30 ALS Bottle#: 25 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0134843-027
Operator ID: Instrument ID: A3UX23
Method: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\8260_23.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Oct-2023 12:01:53 Calib Date: 04-Aug-2023 19:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1630

First Level Reviewer: PHN3

Date: 20-Oct-2023 12:13:06

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	28.2	112.82
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	30.3	121.07
\$ 6 Toluene-d8 (Surr)	25.0	27.3	109.25
\$ 7 4-Bromofluorobenzene (Surr)	25.0	20.0	79.90

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\237989.D

Injection Date: 20-Oct-2023 00:06:30

Instrument ID: A3UX23

Lims ID: 240-193522-C-6

Lab Sample ID: 240-193522-6

Client ID: EB-100923-BE-003

Operator ID:

ALS Bottle#:

25

Worklist Smp#:

27

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260_23

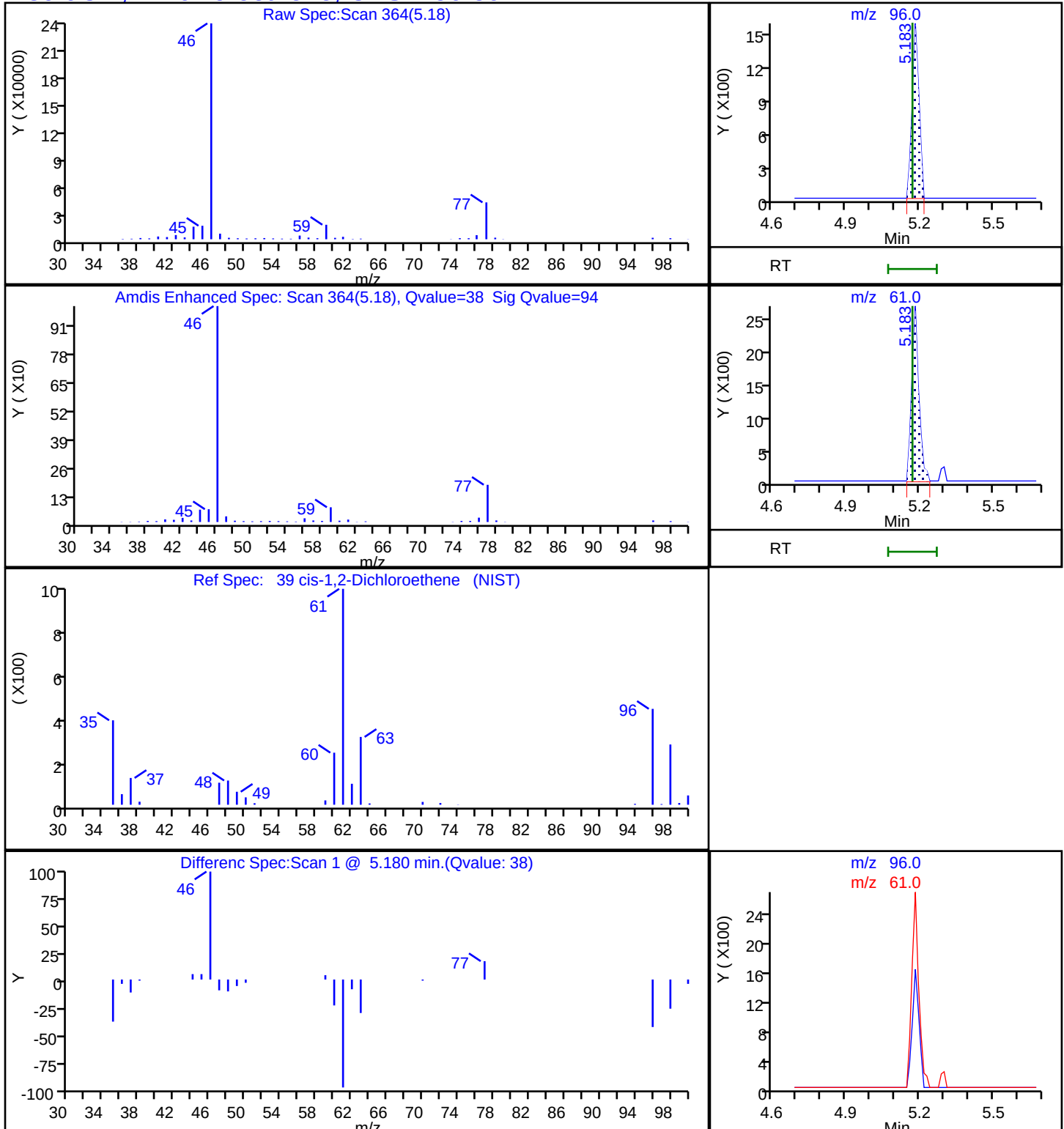
Limit Group:

MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector

MS SCAN

39 cis-1,2-Dichloroethene, CAS: 156-59-2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>GW-100923-BE-029</u>	Lab Sample ID: <u>240-193522-7</u>
Matrix: <u>Water</u>	Lab File ID: <u>238006.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/09/2023 16:11</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/20/2023 19:21</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591677</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.48
75-34-3	1,1-Dichloroethane	0.61	J	1.0	0.47
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.46
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
591-78-6	2-Hexanone	10	U	10	1.1
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
156-59-2	cis-1,2-Dichloroethene	5.8	J	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.42
78-93-3	2-Butanone (MEK)	10	U	10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	10	0.99
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
100-42-5	Styrene	1.0	U	1.0	0.45
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	0.57	J	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-01-4	Vinyl chloride	0.70	J	1.0	0.45
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: GW-100923-BE-029 Lab Sample ID: 240-193522-7
Matrix: Water Lab File ID: 238006.D
Analysis Method: 8260D Date Collected: 10/09/2023 16:11
Sample wt/vol: 5 (mL) Date Analyzed: 10/20/2023 19:21
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.: 591677 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		62-137
460-00-4	4-Bromofluorobenzene (Surr)	82		56-136
2037-26-5	Toluene-d8 (Surr)	108		78-122
1868-53-7	Dibromofluoromethane (Surr)	109		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\238006.D
 Lims ID: 240-193522-B-7
 Client ID: GW-100923-BE-029
 Sample Type: Client
 Inject. Date: 20-Oct-2023 19:21:30 ALS Bottle#: 14 Worklist Smp#: 16
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134906-016
 Operator ID: Instrument ID: A3UX23
 Method: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 20-Oct-2023 23:29:51 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:48:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	557420	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.738	0.000	89	391720	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.057	12.058	-0.001	97	176872	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.810	0.000	92	133290	27.2	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.188	6.188	0.000	97	208268	29.4	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	96	515756	27.0	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	85	155724	20.4	
10 Chloromethane	50		1.432				ND	
11 Vinyl chloride	62	1.538	1.526	0.012	98	5079	0.6981	
13 Bromomethane	94		1.834				ND	
14 Chloroethane	64		1.917				ND	
19 1,1-Dichloroethene	96		2.698				ND	
21 Acetone	58		2.792				ND	7
24 Carbon disulfide	76		2.923				ND	7
28 Methylene Chloride	84		3.313				ND	
32 trans-1,2-Dichloroethene	96	3.703	3.704	-0.001	93	3389	0.5730	
34 1,1-Dichloroethane	63	4.354	4.354	0.000	95	7118	0.6082	
39 cis-1,2-Dichloroethene	96	5.183	5.183	0.000	72	38267	5.83	
40 2-Butanone (MEK)	72		5.254				ND	
47 Chloroform	83	5.620	5.609	0.011	97	3615	0.3429	
48 1,1,1-Trichloroethane	97	5.810	5.810	0.000	35	1536	0.1698	
51 Carbon tetrachloride	117		5.999				ND	
54 Benzene	78		6.248				ND	7
53 1,2-Dichloroethane	62		6.283				ND	
58 Trichloroethene	130	6.993	6.993	0.000	91	1321	0.2201	
61 1,2-Dichloropropane	63		7.230				ND	
65 Dichlorobromomethane	83		7.537				ND	
68 cis-1,3-Dichloropropene	75		8.023				ND	
69 4-Methyl-2-pentanone (MIBK)	43		8.212				ND	
70 Toluene	91		8.354				ND	7
71 trans-1,3-Dichloropropene	75		8.591				ND	
73 1,1,2-Trichloroethane	97		8.768				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
75 Tetrachloroethene	164		8.910				ND	
76 2-Hexanone	43		9.052				ND	
78 Chlorodibromomethane	129		9.158				ND	
82 Chlorobenzene	112		9.762				ND	
84 Ethylbenzene	106		9.880				ND	
85 m-Xylene & p-Xylene	106		9.999				ND	
86 o-Xylene	106		10.389				ND	
87 Styrene	104		10.401				ND	
88 Bromoform	173		10.578				ND	
92 1,1,2,2-Tetrachloroethane	83		11.064				ND	
S 133 Xylenes, Total	106		17.050				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm125UX21_IS_00057	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_SS_00009	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 22-Oct-2023 15:08:24

Chrom Revision: 2.3 22-Sep-2023 11:33:50

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\238006.D

Injection Date: 20-Oct-2023 19:21:30

Instrument ID: A3UX23

Operator ID:

Lims ID: 240-193522-B-7

Lab Sample ID: 240-193522-7

Worklist Smp#: 16

Client ID: GW-100923-BE-029

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

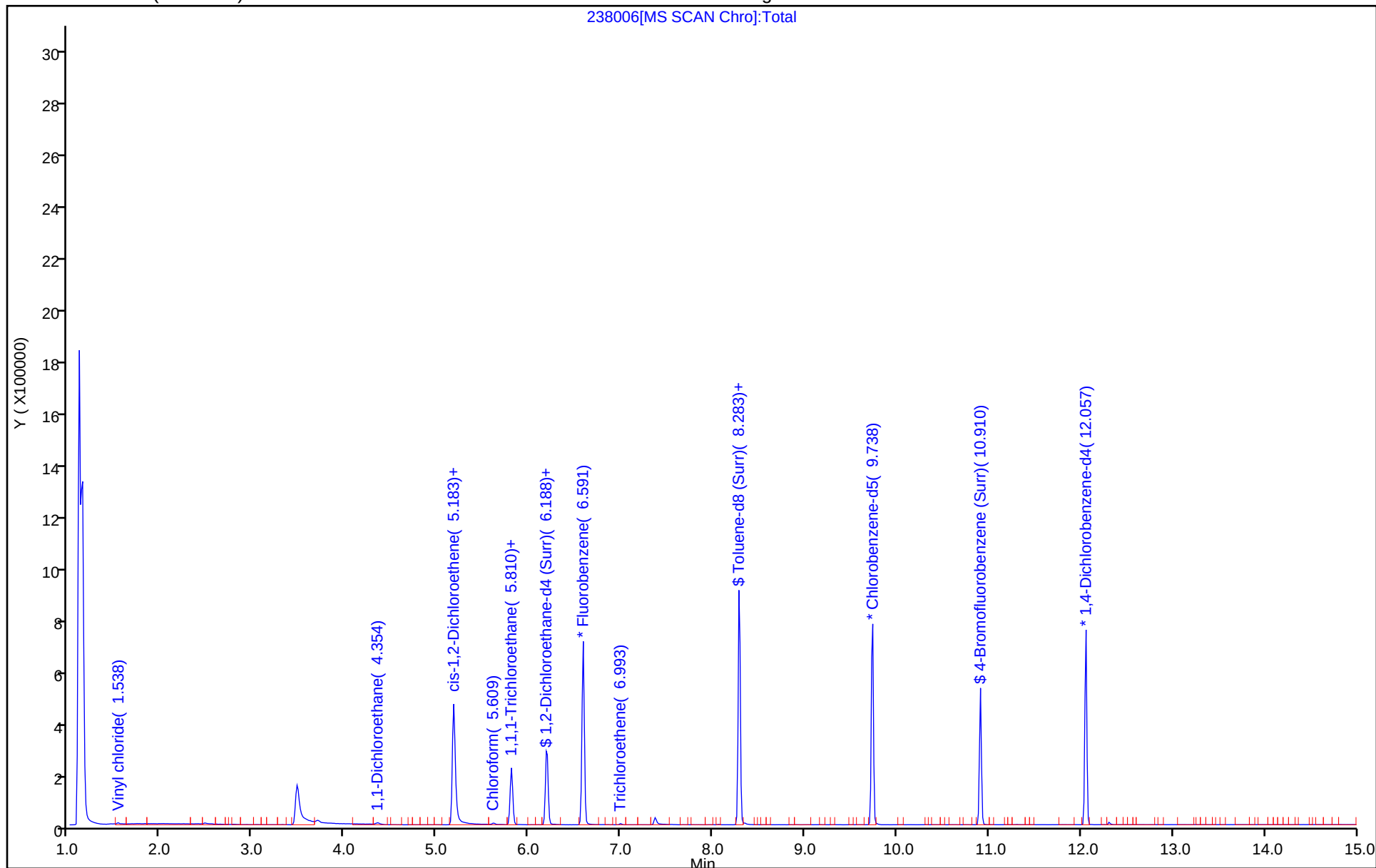
ALS Bottle#: 14

Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\238006.D
 Lims ID: 240-193522-B-7
 Client ID: GW-100923-BE-029
 Sample Type: Client
 Inject. Date: 20-Oct-2023 19:21:30 ALS Bottle#: 14 Worklist Smp#: 16
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134906-016
 Operator ID: Instrument ID: A3UX23
 Method: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 20-Oct-2023 23:29:51 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:48:56

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	27.2	108.91
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	29.4	117.55
\$ 6 Toluene-d8 (Surr)	25.0	27.0	108.10
\$ 7 4-Bromofluorobenzene (Surr)	25.0	20.4	81.59

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\238006.D

Injection Date: 20-Oct-2023 19:21:30

Instrument ID: A3UX23

Lims ID: 240-193522-B-7

Lab Sample ID: 240-193522-7

Client ID: GW-100923-BE-029

Operator ID:

ALS Bottle#:

14

Worklist Smp#:

16

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260_23

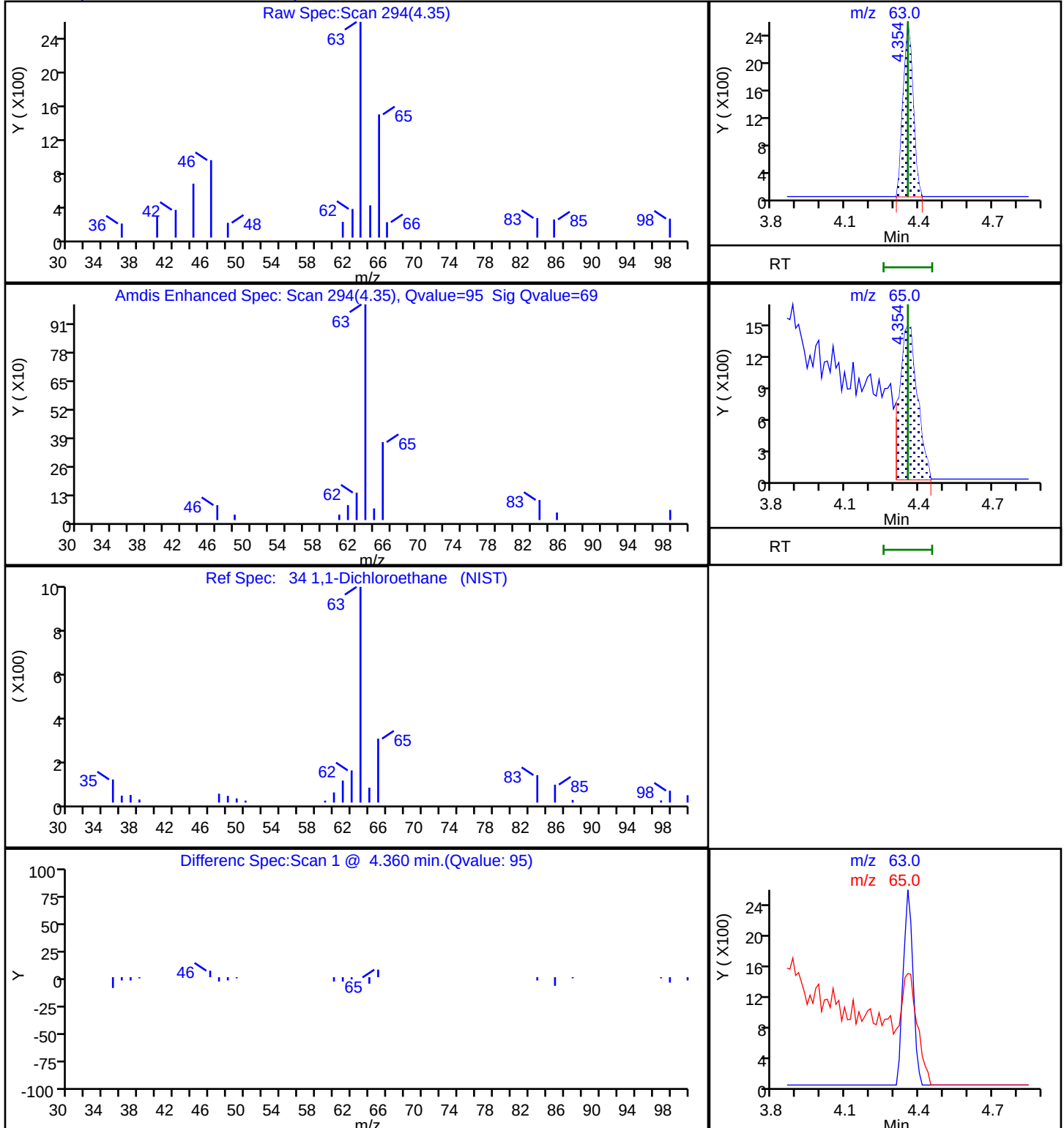
Limit Group:

MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector

MS SCAN

34 1,1-Dichloroethane, CAS: 75-34-3

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\238006.D

Injection Date: 20-Oct-2023 19:21:30

Instrument ID: A3UX23

Lims ID: 240-193522-B-7

Lab Sample ID: 240-193522-7

Client ID: GW-100923-BE-029

Operator ID:

ALS Bottle#:

14

Worklist Smp#:

16

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260_23

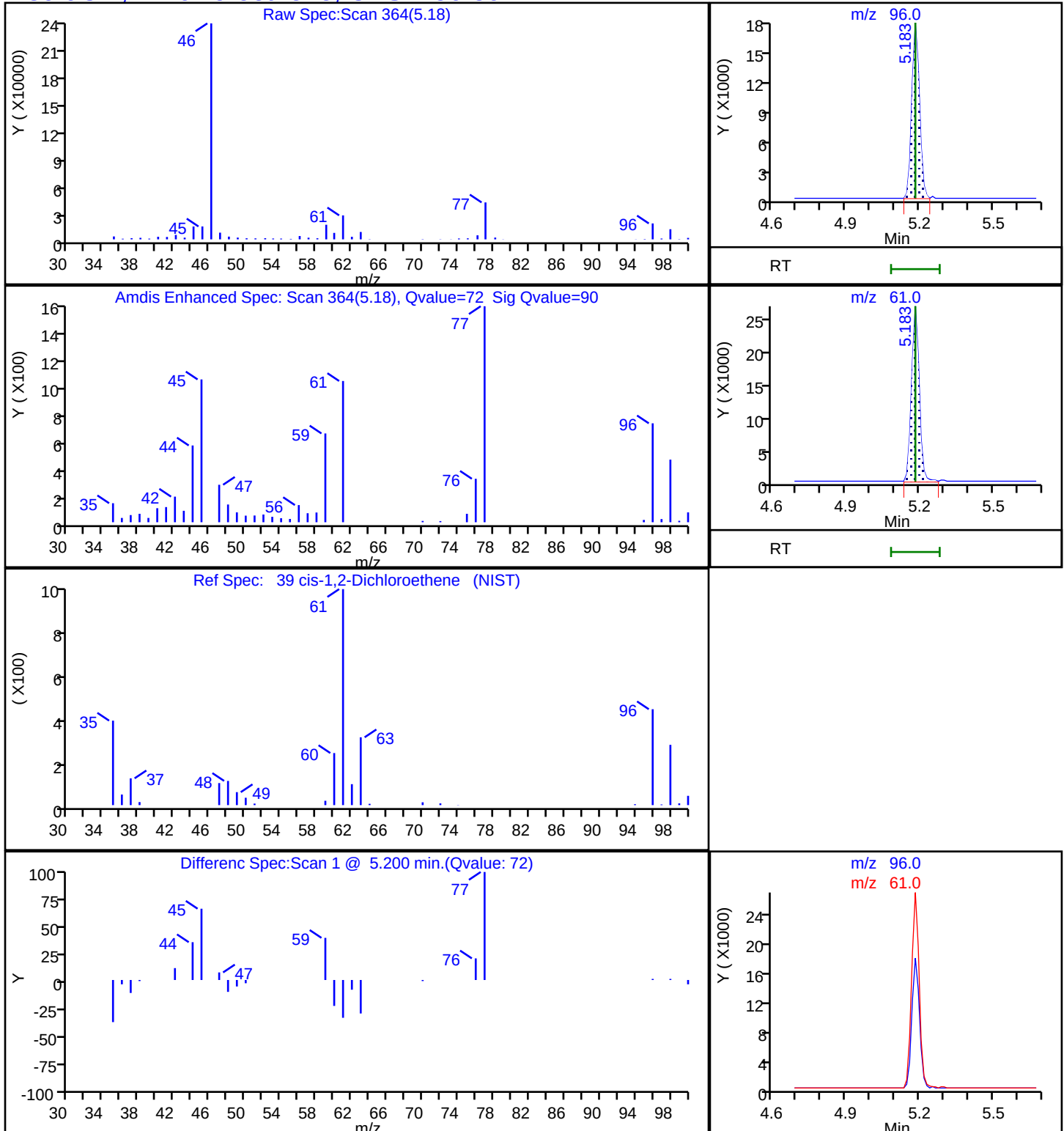
Limit Group:

MSV 8260C ICAL

Column: DB-624 (0.18 mm)

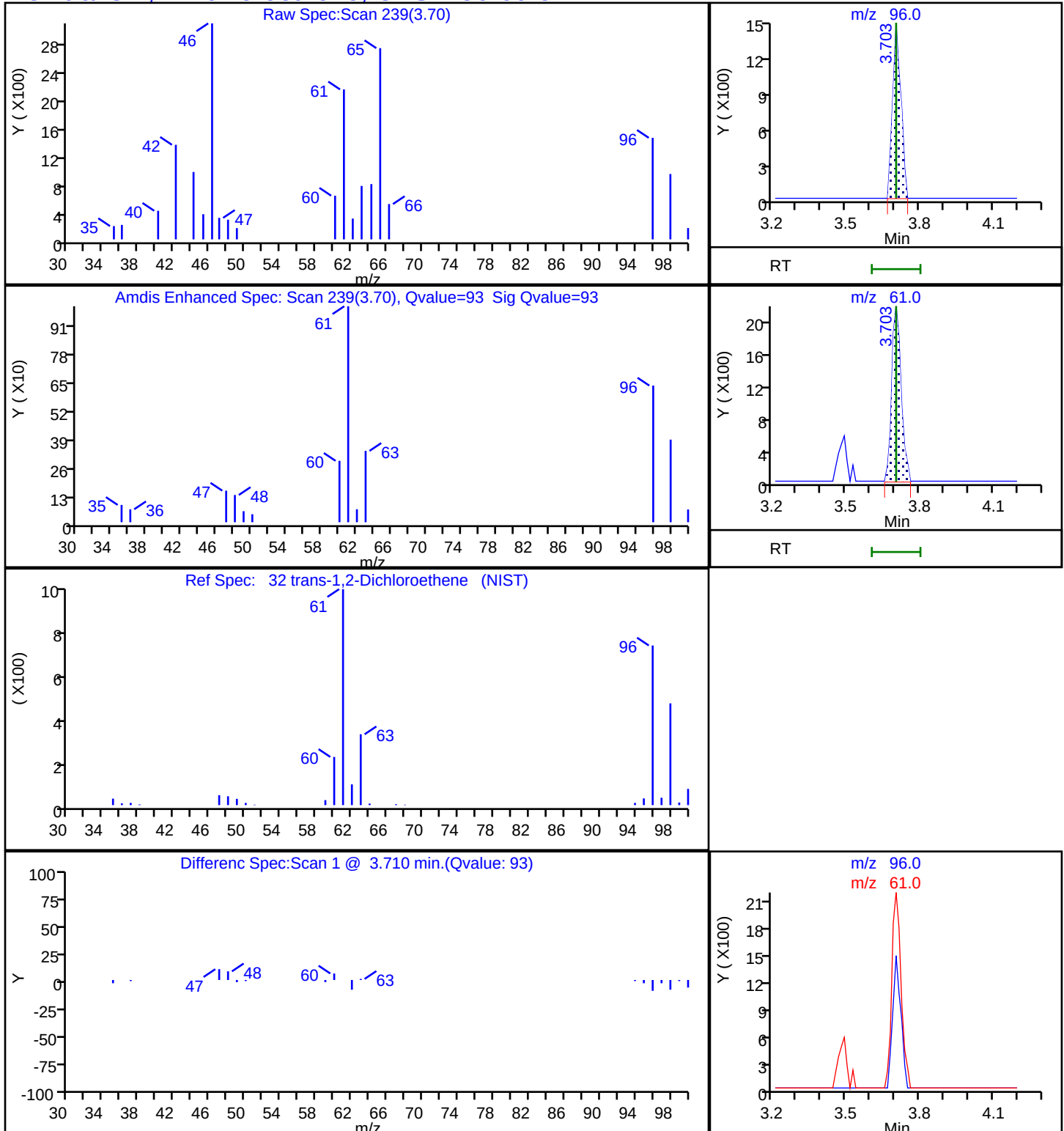
Detector

MS SCAN

39 cis-1,2-Dichloroethene, CAS: 156-59-2

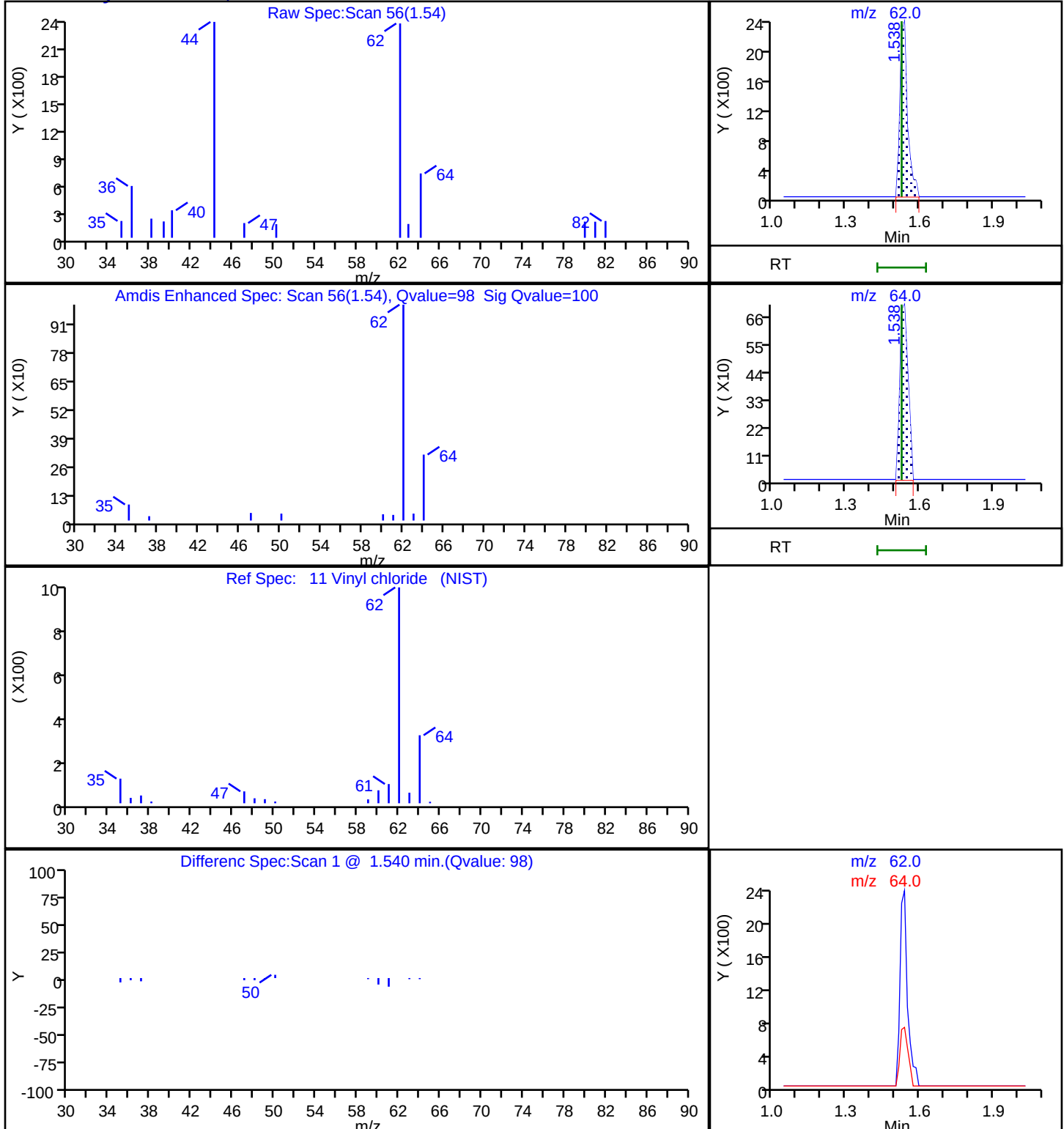
Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\238006.D
Injection Date: 20-Oct-2023 19:21:30 Instrument ID: A3UX23
Lims ID: 240-193522-B-7 Lab Sample ID: 240-193522-7
Client ID: GW-100923-BE-029
Operator ID: ALS Bottle#: 14 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_23 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

32 trans-1,2-Dichloroethene, CAS: 156-60-5

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\238006.D
Injection Date: 20-Oct-2023 19:21:30 Instrument ID: A3UX23
Lims ID: 240-193522-B-7 Lab Sample ID: 240-193522-7
Client ID: GW-100923-BE-029
Operator ID: ALS Bottle#: 14 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_23 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector: MS SCAN

11 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>TB-100923-BE-002</u>	Lab Sample ID: <u>240-193522-8</u>
Matrix: <u>Water</u>	Lab File ID: <u>237973.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/09/2023 16:30</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/19/2023 17:24</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591496</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.48
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.46
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
591-78-6	2-Hexanone	10	U	10	1.1
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.42
78-93-3	2-Butanone (MEK)	10	U	10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	10	0.99
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
100-42-5	Styrene	1.0	U	1.0	0.45
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-01-4	Vinyl chloride	1.0	U	1.0	0.45
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: TB-100923-BE-002 Lab Sample ID: 240-193522-8
Matrix: Water Lab File ID: 237973.D
Analysis Method: 8260D Date Collected: 10/09/2023 16:30
Sample wt/vol: 5 (mL) Date Analyzed: 10/19/2023 17:24
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.: 591496 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	118		62-137
460-00-4	4-Bromofluorobenzene (Surr)	84		56-136
2037-26-5	Toluene-d8 (Surr)	109		78-122
1868-53-7	Dibromofluoromethane (Surr)	113		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\237973.D
 Lims ID: 240-193522-C-8
 Client ID: TB-100923-BE-002
 Sample Type: Client
 Inject. Date: 19-Oct-2023 17:24:30 ALS Bottle#: 9 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134843-011
 Operator ID: Instrument ID: A3UX23
 Method: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 20-Oct-2023 12:01:53 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1630

First Level Reviewer: PHN3

Date: 19-Oct-2023 19:01:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	593063	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.738	0.000	89	426324	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.057	12.057	0.000	97	196347	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.810	0.000	93	146675	28.2	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.188	6.188	0.000	97	221630	29.4	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	96	567602	27.3	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	86	173911	20.9	
10 Chloromethane	50		1.431				ND	
11 Vinyl chloride	62		1.526				ND	
13 Bromomethane	94		1.834				ND	
14 Chloroethane	64		1.917				ND	
19 1,1-Dichloroethene	96		2.686				ND	
21 Acetone	58		2.792				ND	7
24 Carbon disulfide	76		2.922				ND	7
28 Methylene Chloride	84		3.301				ND	7
32 trans-1,2-Dichloroethene	96		3.692				ND	
34 1,1-Dichloroethane	63		4.342				ND	
39 cis-1,2-Dichloroethene	96		5.171				ND	
40 2-Butanone (MEK)	72		5.254				ND	
47 Chloroform	83		5.609				ND	
48 1,1,1-Trichloroethane	97		5.798				ND	
51 Carbon tetrachloride	117		5.999				ND	
54 Benzene	78		6.247				ND	
53 1,2-Dichloroethane	62		6.283				ND	
58 Trichloroethene	130		6.993				ND	
61 1,2-Dichloropropane	63		7.230				ND	
65 Dichlorobromomethane	83		7.537				ND	
68 cis-1,3-Dichloropropene	75		8.011				ND	
69 4-Methyl-2-pentanone (MIBK)	43		8.212				ND	
70 Toluene	91		8.354				ND	7
71 trans-1,3-Dichloropropene	75		8.590				ND	
73 1,1,2-Trichloroethane	97		8.768				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
75 Tetrachloroethene	164		8.910				ND	
76 2-Hexanone	43		9.052				ND	
78 Chlorodibromomethane	129		9.158				ND	
82 Chlorobenzene	112		9.762				ND	
84 Ethylbenzene	106		9.880				ND	
85 m-Xylene & p-Xylene	106		9.999				ND	
86 o-Xylene	106		10.389				ND	
87 Styrene	104		10.401				ND	
88 Bromoform	173		10.578				ND	
92 1,1,2,2-Tetrachloroethane	83		11.063				ND	
S 133 Xylenes, Total	106		17.050				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm125UX21_IS_00057	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_SS_00009	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 20-Oct-2023 12:15:43

Chrom Revision: 2.3 22-Sep-2023 11:33:50

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\237973.D

Injection Date: 19-Oct-2023 17:24:30

Instrument ID: A3UX23

Operator ID:

Lims ID: 240-193522-C-8

Lab Sample ID: 240-193522-8

Worklist Smp#: 11

Client ID: TB-100923-BE-002

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 9

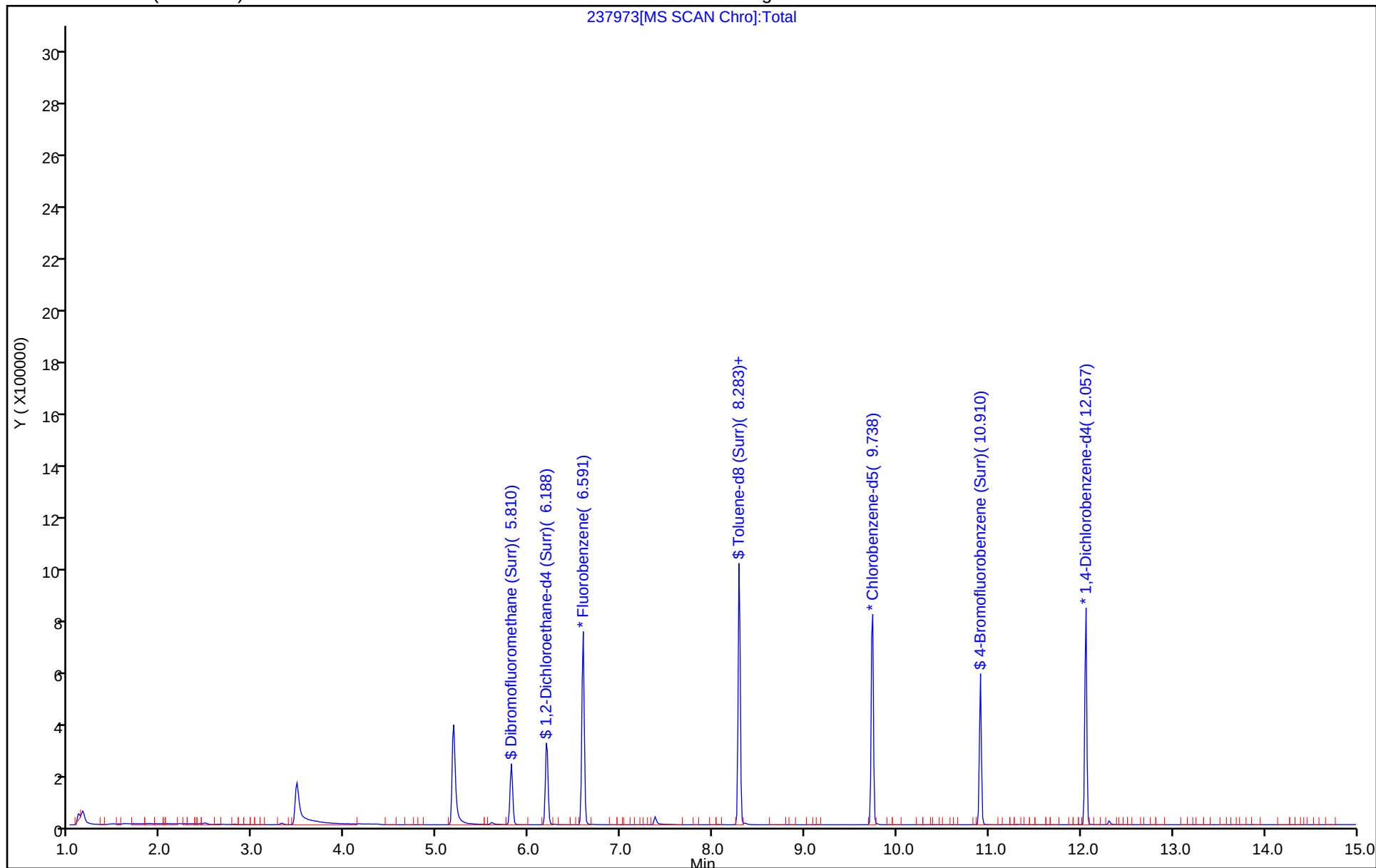
Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value

237973[MS SCAN Chro]:Total



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\237973.D
Lims ID: 240-193522-C-8
Client ID: TB-100923-BE-002
Sample Type: Client
Inject. Date: 19-Oct-2023 17:24:30 ALS Bottle#: 9 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0134843-011
Operator ID: Instrument ID: A3UX23
Method: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\8260_23.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Oct-2023 12:01:53 Calib Date: 04-Aug-2023 19:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1630

First Level Reviewer: PHN3

Date: 19-Oct-2023 19:01:36

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	28.2	112.65
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	29.4	117.57
\$ 6 Toluene-d8 (Surr)	25.0	27.3	109.31
\$ 7 4-Bromofluorobenzene (Surr)	25.0	20.9	83.72

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>GW-101023-BE-030</u>	Lab Sample ID: <u>240-193522-9</u>
Matrix: <u>Water</u>	Lab File ID: <u>238009.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/10/2023 10:50</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/20/2023 20:36</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591677</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.48
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.46
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
591-78-6	2-Hexanone	10	U	10	1.1
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.42
78-93-3	2-Butanone (MEK)	10	U	10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	10	0.99
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
100-42-5	Styrene	1.0	U	1.0	0.45
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-01-4	Vinyl chloride	1.0	U	1.0	0.45
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>GW-101023-BE-030</u>	Lab Sample ID: <u>240-193522-9</u>
Matrix: <u>Water</u>	Lab File ID: <u>238009.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/10/2023 10:50</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/20/2023 20:36</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591677</u>	Units: <u>ug/L</u>

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		62-137
460-00-4	4-Bromofluorobenzene (Surr)	82		56-136
2037-26-5	Toluene-d8 (Surr)	110		78-122
1868-53-7	Dibromofluoromethane (Surr)	113		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\238009.D
 Lims ID: 240-193522-C-9
 Client ID: GW-101023-BE-030
 Sample Type: Client
 Inject. Date: 20-Oct-2023 20:36:30 ALS Bottle#: 17 Worklist Smp#: 19
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134906-019
 Operator ID: Instrument ID: A3UX23
 Method: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 20-Oct-2023 23:29:51 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:50:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	549324	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.738	0.000	89	383840	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.058	12.058	0.000	97	171680	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.810	0.000	93	136794	28.4	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.189	6.188	0.000	97	207918	29.8	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	96	514898	27.5	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	86	153654	20.5	
10 Chloromethane	50		1.432				ND	
11 Vinyl chloride	62		1.526				ND	
13 Bromomethane	94		1.834				ND	
14 Chloroethane	64		1.917				ND	
19 1,1-Dichloroethene	96		2.698				ND	
21 Acetone	58		2.792				ND	7
24 Carbon disulfide	76		2.923				ND	7
28 Methylene Chloride	84		3.313				ND	
32 trans-1,2-Dichloroethene	96		3.704				ND	
34 1,1-Dichloroethane	63		4.354				ND	
39 cis-1,2-Dichloroethene	96		5.183				ND	7
40 2-Butanone (MEK)	72		5.254				ND	
47 Chloroform	83		5.609				ND	
48 1,1,1-Trichloroethane	97		5.810				ND	
51 Carbon tetrachloride	117		5.999				ND	
54 Benzene	78		6.248				ND	
53 1,2-Dichloroethane	62		6.283				ND	
58 Trichloroethene	130	7.005	6.993	0.012	92	1291	0.2182	
61 1,2-Dichloropropane	63		7.230				ND	
65 Dichlorobromomethane	83		7.537				ND	
68 cis-1,3-Dichloropropene	75		8.023				ND	
69 4-Methyl-2-pentanone (MIBK)	43		8.212				ND	
70 Toluene	91		8.354				ND	7
71 trans-1,3-Dichloropropene	75		8.591				ND	
73 1,1,2-Trichloroethane	97		8.768				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
75 Tetrachloroethene	164		8.910				ND	
76 2-Hexanone	43		9.052				ND	
78 Chlorodibromomethane	129		9.158				ND	
82 Chlorobenzene	112		9.762				ND	
84 Ethylbenzene	106		9.880				ND	
85 m-Xylene & p-Xylene	106		9.999				ND	
86 o-Xylene	106		10.389				ND	
87 Styrene	104		10.401				ND	
88 Bromoform	173		10.578				ND	
92 1,1,2,2-Tetrachloroethane	83		11.064				ND	
S 133 Xylenes, Total	106		17.050				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm125UX21_IS_00057	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_SS_00009	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\238009.D

Injection Date: 20-Oct-2023 20:36:30

Instrument ID: A3UX23

Operator ID:

Lims ID: 240-193522-C-9

Lab Sample ID: 240-193522-9

Worklist Smp#: 19

Client ID: GW-101023-BE-030

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 17

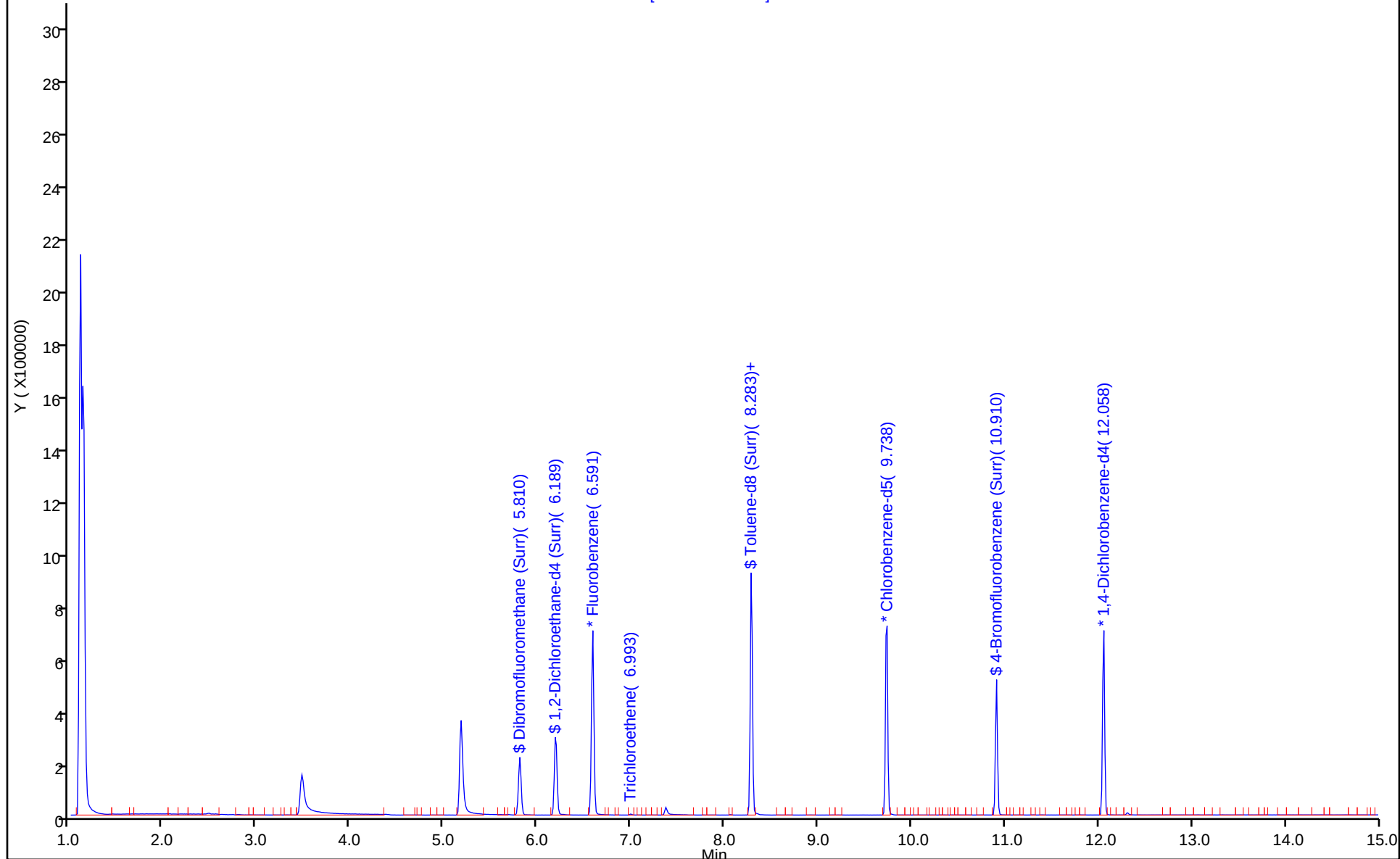
Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value

238009[MS SCAN Chro]:Total



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\238009.D
Lims ID: 240-193522-C-9
Client ID: GW-101023-BE-030
Sample Type: Client
Inject. Date: 20-Oct-2023 20:36:30 ALS Bottle#: 17 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0134906-019
Operator ID: Instrument ID: A3UX23
Method: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\8260_23.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Oct-2023 23:29:51 Calib Date: 04-Aug-2023 19:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:50:45

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	28.4	113.42
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	29.8	119.08
\$ 6 Toluene-d8 (Surr)	25.0	27.5	110.14
\$ 7 4-Bromofluorobenzene (Surr)	25.0	20.5	82.16

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>GW-101023-BE-031</u>	Lab Sample ID: <u>240-193522-10</u>
Matrix: <u>Water</u>	Lab File ID: <u>238010.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/10/2023 11:22</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/20/2023 21:01</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591677</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.48
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.46
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
591-78-6	2-Hexanone	10	U	10	1.1
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.42
78-93-3	2-Butanone (MEK)	10	U	10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	10	0.99
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
100-42-5	Styrene	1.0	U	1.0	0.45
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-01-4	Vinyl chloride	1.0	U	1.0	0.45
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: GW-101023-BE-031 Lab Sample ID: 240-193522-10
Matrix: Water Lab File ID: 238010.D
Analysis Method: 8260D Date Collected: 10/10/2023 11:22
Sample wt/vol: 5 (mL) Date Analyzed: 10/20/2023 21:01
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.: 591677 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		62-137
460-00-4	4-Bromofluorobenzene (Surr)	82		56-136
2037-26-5	Toluene-d8 (Surr)	110		78-122
1868-53-7	Dibromofluoromethane (Surr)	112		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\238010.D
 Lims ID: 240-193522-C-10
 Client ID: GW-101023-BE-031
 Sample Type: Client
 Inject. Date: 20-Oct-2023 21:01:30 ALS Bottle#: 18 Worklist Smp#: 20
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134906-020
 Operator ID: Instrument ID: A3UX23
 Method: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 20-Oct-2023 23:29:51 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:51:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	544672	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.738	0.000	89	381681	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.058	12.058	0.000	97	171557	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.810	0.000	93	133591	27.9	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.188	6.188	0.000	97	205817	29.7	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	96	510866	27.5	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	85	152582	20.5	
10 Chloromethane	50		1.432				ND	
11 Vinyl chloride	62		1.526				ND	
13 Bromomethane	94		1.834				ND	
14 Chloroethane	64		1.917				ND	
19 1,1-Dichloroethene	96		2.698				ND	
21 Acetone	58	2.804	2.792	0.012	97	2410	0.8528	
24 Carbon disulfide	76		2.923				ND	
28 Methylene Chloride	84		3.313				ND	
32 trans-1,2-Dichloroethene	96		3.704				ND	
34 1,1-Dichloroethane	63		4.354				ND	
39 cis-1,2-Dichloroethene	96		5.183				ND	7
40 2-Butanone (MEK)	72		5.254				ND	
47 Chloroform	83		5.609				ND	
48 1,1,1-Trichloroethane	97		5.810				ND	
51 Carbon tetrachloride	117		5.999				ND	
54 Benzene	78		6.248				ND	
53 1,2-Dichloroethane	62		6.283				ND	
58 Trichloroethene	130		6.993				ND	
61 1,2-Dichloropropane	63		7.230				ND	
65 Dichlorobromomethane	83		7.537				ND	
68 cis-1,3-Dichloropropene	75		8.023				ND	
69 4-Methyl-2-pentanone (MIBK)	43		8.212				ND	
70 Toluene	91		8.354				ND	7
71 trans-1,3-Dichloropropene	75		8.591				ND	
73 1,1,2-Trichloroethane	97		8.768				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
75 Tetrachloroethene	164		8.910				ND	
76 2-Hexanone	43		9.052				ND	
78 Chlorodibromomethane	129		9.158				ND	
82 Chlorobenzene	112		9.762				ND	
84 Ethylbenzene	106		9.880				ND	
85 m-Xylene & p-Xylene	106		9.999				ND	
86 o-Xylene	106		10.389				ND	
87 Styrene	104		10.401				ND	
88 Bromoform	173		10.578				ND	
92 1,1,2,2-Tetrachloroethane	83		11.064				ND	
S 133 Xylenes, Total	106		17.050				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm125UX21_IS_00057	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_SS_00009	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 22-Oct-2023 15:08:28

Chrom Revision: 2.3 22-Sep-2023 11:33:50

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\238010.D

Injection Date: 20-Oct-2023 21:01:30

Instrument ID: A3UX23

Operator ID:

Lims ID: 240-193522-C-10

Lab Sample ID: 240-193522-10

Worklist Smp#: 20

Client ID: GW-101023-BE-031

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

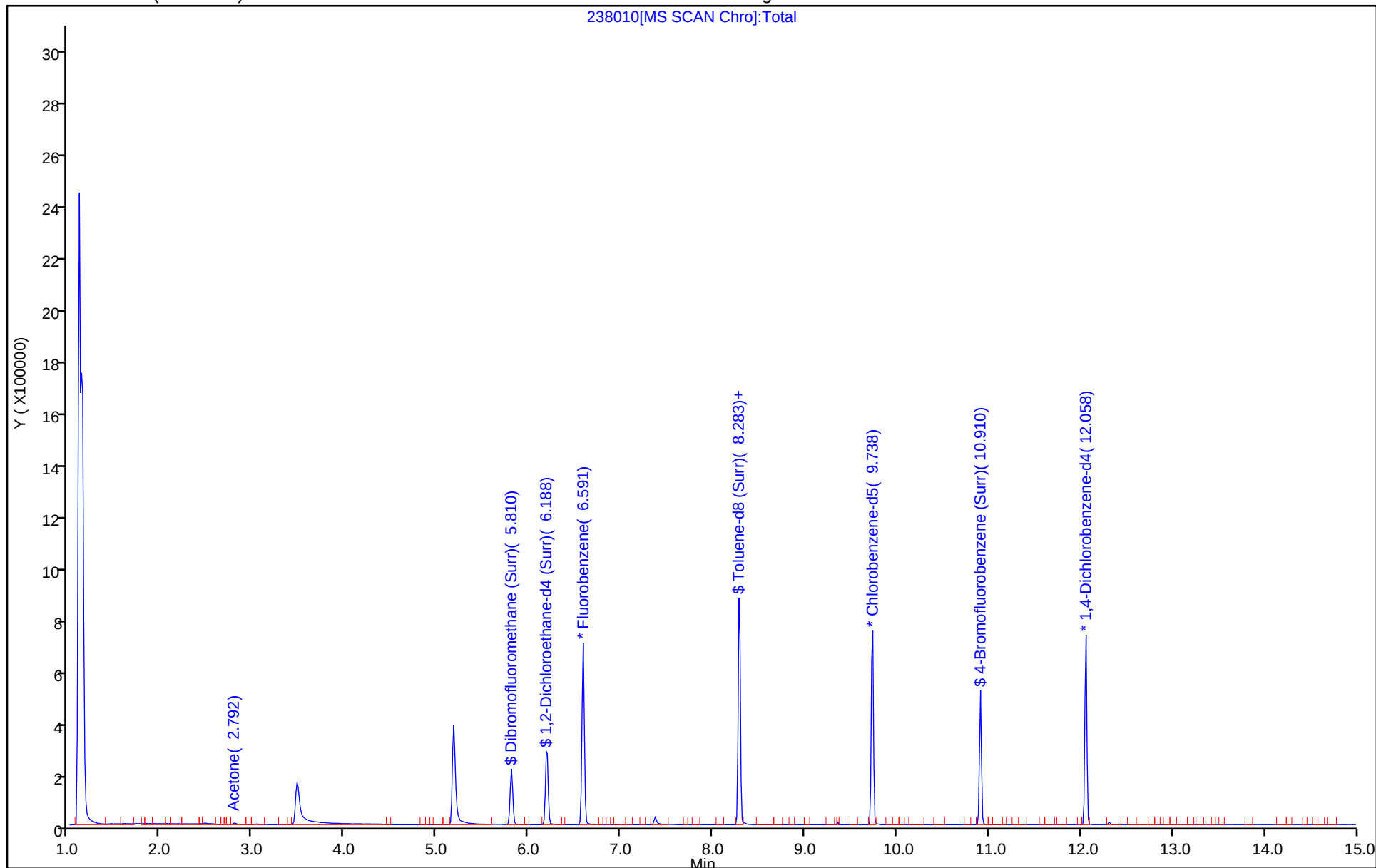
ALS Bottle#: 18

Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\238010.D
 Lims ID: 240-193522-C-10
 Client ID: GW-101023-BE-031
 Sample Type: Client
 Inject. Date: 20-Oct-2023 21:01:30 ALS Bottle#: 18 Worklist Smp#: 20
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134906-020
 Operator ID: Instrument ID: A3UX23
 Method: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 20-Oct-2023 23:29:51 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:51:06

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	27.9	111.71
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	29.7	118.88
\$ 6 Toluene-d8 (Surr)	25.0	27.5	109.89
\$ 7 4-Bromofluorobenzene (Surr)	25.0	20.5	82.04

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>GW-101023-BE-032</u>	Lab Sample ID: <u>240-193522-11</u>
Matrix: <u>Water</u>	Lab File ID: <u>238011.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/10/2023 12:30</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/20/2023 21:26</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591677</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.48
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.46
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
591-78-6	2-Hexanone	10	U	10	1.1
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.42
78-93-3	2-Butanone (MEK)	10	U	10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	10	0.99
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
100-42-5	Styrene	1.0	U	1.0	0.45
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-01-4	Vinyl chloride	1.0	U	1.0	0.45
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: GW-101023-BE-032 Lab Sample ID: 240-193522-11
Matrix: Water Lab File ID: 238011.D
Analysis Method: 8260D Date Collected: 10/10/2023 12:30
Sample wt/vol: 5 (mL) Date Analyzed: 10/20/2023 21:26
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.: 591677 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	113		62-137
460-00-4	4-Bromofluorobenzene (Surr)	79		56-136
2037-26-5	Toluene-d8 (Surr)	106		78-122
1868-53-7	Dibromofluoromethane (Surr)	109		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\238011.D
 Lims ID: 240-193522-C-11
 Client ID: GW-101023-BE-032
 Sample Type: Client
 Inject. Date: 20-Oct-2023 21:26:30 ALS Bottle#: 19 Worklist Smp#: 21
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134906-021
 Operator ID: Instrument ID: A3UX23
 Method: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 20-Oct-2023 23:29:51 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:51:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	562503	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.738	0.000	89	397022	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.057	12.058	-0.001	97	171867	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.810	0.000	93	134833	27.3	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.188	6.188	0.000	97	202654	28.3	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	96	514932	26.6	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	86	152996	19.8	
10 Chloromethane	50		1.432				ND	
11 Vinyl chloride	62		1.526				ND	
13 Bromomethane	94		1.834				ND	
14 Chloroethane	64		1.917				ND	
19 1,1-Dichloroethene	96		2.698				ND	
21 Acetone	58		2.792				ND	7
24 Carbon disulfide	76		2.923				ND	7
28 Methylene Chloride	84		3.313				ND	
32 trans-1,2-Dichloroethene	96		3.704				ND	
34 1,1-Dichloroethane	63		4.354				ND	
39 cis-1,2-Dichloroethene	96		5.183				ND	
40 2-Butanone (MEK)	72		5.254				ND	
47 Chloroform	83		5.609				ND	
48 1,1,1-Trichloroethane	97		5.810				ND	
51 Carbon tetrachloride	117		5.999				ND	
54 Benzene	78		6.248				ND	
53 1,2-Dichloroethane	62		6.283				ND	
58 Trichloroethene	130		6.993				ND	
61 1,2-Dichloropropane	63		7.230				ND	
65 Dichlorobromomethane	83		7.537				ND	
68 cis-1,3-Dichloropropene	75		8.023				ND	
69 4-Methyl-2-pentanone (MIBK)	43		8.212				ND	
70 Toluene	91		8.354				ND	7
71 trans-1,3-Dichloropropene	75		8.591				ND	
73 1,1,2-Trichloroethane	97		8.768				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
75 Tetrachloroethene	164		8.910				ND	
76 2-Hexanone	43		9.052				ND	
78 Chlorodibromomethane	129		9.158				ND	
82 Chlorobenzene	112		9.762				ND	
84 Ethylbenzene	106		9.880				ND	
85 m-Xylene & p-Xylene	106		9.999				ND	
86 o-Xylene	106		10.389				ND	
87 Styrene	104		10.401				ND	
88 Bromoform	173		10.578				ND	
92 1,1,2,2-Tetrachloroethane	83		11.064				ND	
S 133 Xylenes, Total	106		17.050				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm125UX21_IS_00057	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_SS_00009	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 22-Oct-2023 15:08:28

Chrom Revision: 2.3 22-Sep-2023 11:33:50

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\238011.D

Injection Date: 20-Oct-2023 21:26:30

Instrument ID: A3UX23

Operator ID:

Lims ID: 240-193522-C-11

Lab Sample ID: 240-193522-11

Worklist Smp#: 21

Client ID: GW-101023-BE-032

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

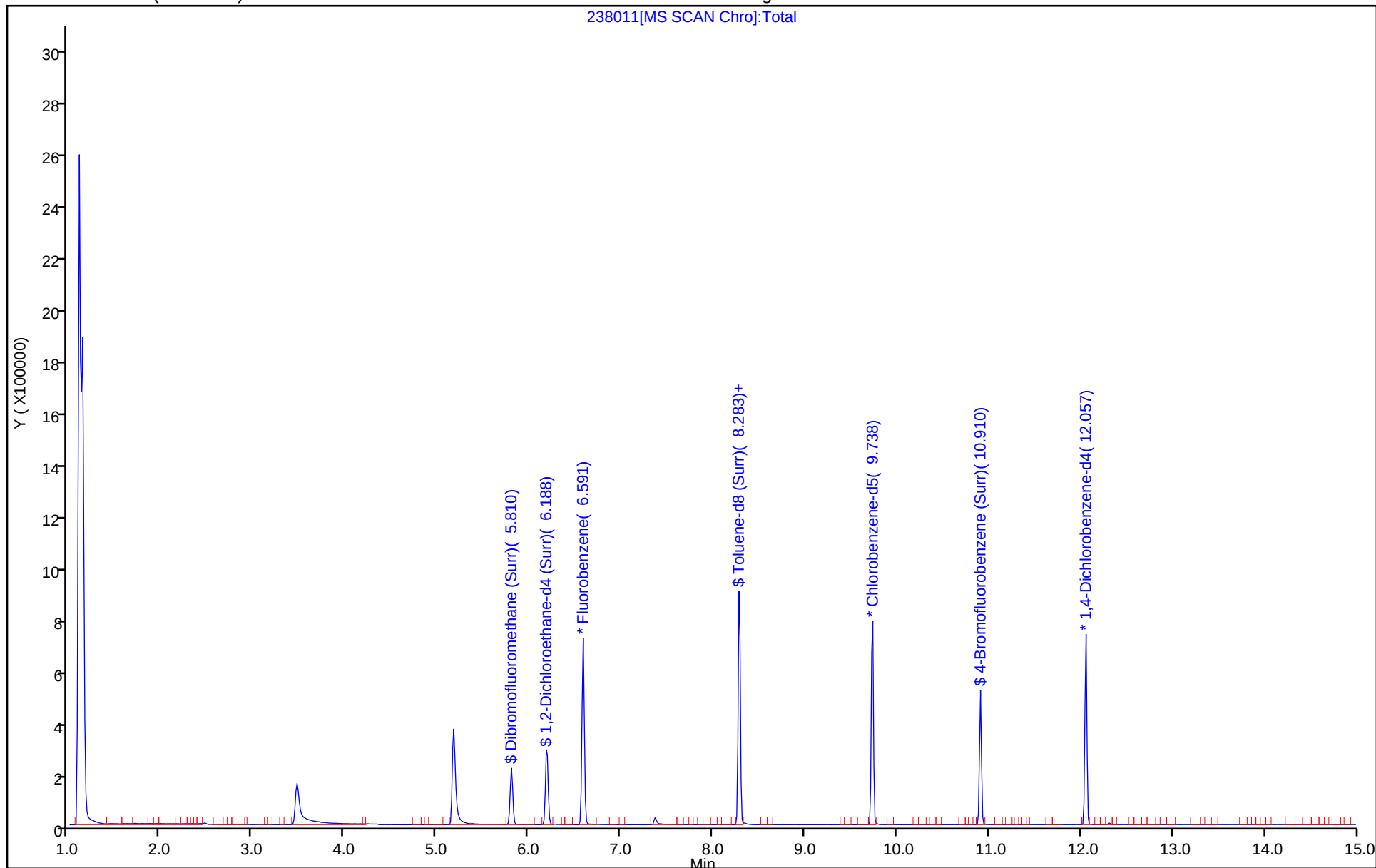
ALS Bottle#: 19

Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\238011.D
 Lims ID: 240-193522-C-11
 Client ID: GW-101023-BE-032
 Sample Type: Client
 Inject. Date: 20-Oct-2023 21:26:30 ALS Bottle#: 19 Worklist Smp#: 21
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134906-021
 Operator ID: Instrument ID: A3UX23
 Method: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 20-Oct-2023 23:29:51 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:51:30

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	27.3	109.18
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	28.3	113.34
\$ 6 Toluene-d8 (Surr)	25.0	26.6	106.49
\$ 7 4-Bromofluorobenzene (Surr)	25.0	19.8	79.09

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>GW-101023-BE-033</u>	Lab Sample ID: <u>240-193522-12</u>
Matrix: <u>Water</u>	Lab File ID: <u>238038.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/10/2023 13:07</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/22/2023 22:23</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591763</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.48
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.46
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
591-78-6	2-Hexanone	10	U	10	1.1
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.42
78-93-3	2-Butanone (MEK)	10	U	10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	10	0.99
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
100-42-5	Styrene	1.0	U	1.0	0.45
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-01-4	Vinyl chloride	1.0	U	1.0	0.45
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: GW-101023-BE-033 Lab Sample ID: 240-193522-12
Matrix: Water Lab File ID: 238038.D
Analysis Method: 8260D Date Collected: 10/10/2023 13:07
Sample wt/vol: 5 (mL) Date Analyzed: 10/22/2023 22:23
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 591763 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		62-137
460-00-4	4-Bromofluorobenzene (Surr)	81		56-136
2037-26-5	Toluene-d8 (Surr)	108		78-122
1868-53-7	Dibromofluoromethane (Surr)	110		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\238038.D
 Lims ID: 240-193522-B-12
 Client ID: GW-101023-BE-033
 Sample Type: Client
 Inject. Date: 22-Oct-2023 22:23:30 ALS Bottle#: 18 Worklist Smp#: 20
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134938-020
 Operator ID: Instrument ID: A3UX23
 Method: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 23-Oct-2023 12:10:30 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1668

First Level Reviewer: PHN3

Date: 23-Oct-2023 12:06:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	554156	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.727	0.011	89	385977	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.057	12.058	-0.001	97	172473	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.798	0.012	93	133232	27.4	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.188	6.189	0.000	97	202904	28.8	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	96	509262	27.1	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	87	153083	20.3	
10 Chloromethane	50		1.420				ND	
11 Vinyl chloride	62	1.526	1.526	0.000	92	979	0.1354	
13 Bromomethane	94		1.834				ND	
14 Chloroethane	64		1.905				ND	
19 1,1-Dichloroethene	96		2.698				ND	
21 Acetone	58	2.792	2.781	0.011	99	3399	2.01	
24 Carbon disulfide	76		2.923				ND	7
28 Methylene Chloride	84		3.301				ND	7
32 trans-1,2-Dichloroethene	96		3.692				ND	
34 1,1-Dichloroethane	63		4.343				ND	
39 cis-1,2-Dichloroethene	96	5.183	5.171	0.012	37	1643	0.2519	
40 2-Butanone (MEK)	72		5.254				ND	
47 Chloroform	83		5.609				ND	
48 1,1,1-Trichloroethane	97		5.798				ND	
51 Carbon tetrachloride	117		5.999				ND	
54 Benzene	78		6.248				ND	7
53 1,2-Dichloroethane	62		6.283				ND	
58 Trichloroethene	130		6.993				ND	
61 1,2-Dichloropropane	63		7.230				ND	
65 Dichlorobromomethane	83		7.537				ND	
68 cis-1,3-Dichloropropene	75		8.011				ND	
69 4-Methyl-2-pentanone (MIBK)	43		8.212				ND	
70 Toluene	91		8.354				ND	7
71 trans-1,3-Dichloropropene	75		8.591				ND	
73 1,1,2-Trichloroethane	97		8.768				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
75 Tetrachloroethene	164		8.910				ND	
76 2-Hexanone	43		9.052				ND	
78 Chlorodibromomethane	129		9.159				ND	
82 Chlorobenzene	112		9.762				ND	
84 Ethylbenzene	106		9.880				ND	
85 m-Xylene & p-Xylene	106		9.999				ND	
86 o-Xylene	106		10.389				ND	
87 Styrene	104		10.401				ND	
88 Bromoform	173		10.579				ND	
92 1,1,2,2-Tetrachloroethane	83		11.064				ND	
S 133 Xylenes, Total	106		17.050				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm125UX21_IS_00057	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_SS_00009	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\238038.D

Injection Date: 22-Oct-2023 22:23:30

Instrument ID: A3UX23

Operator ID:

Lims ID: 240-193522-B-12

Lab Sample ID: 240-193522-12

Worklist Smp#: 20

Client ID: GW-101023-BE-033

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 18

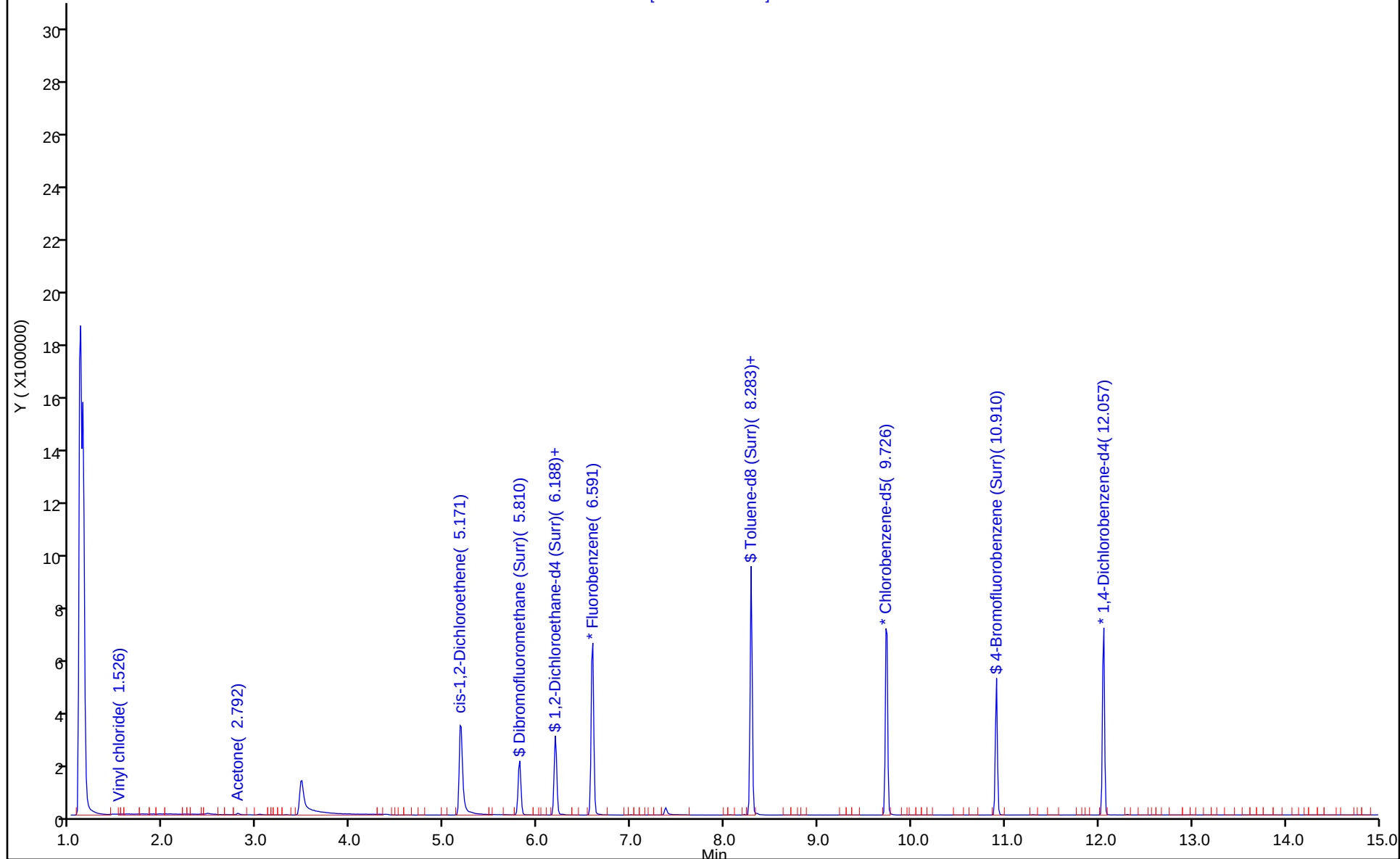
Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value

238038[MS SCAN Chro]:Total



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\238038.D
Lims ID: 240-193522-B-12
Client ID: GW-101023-BE-033
Sample Type: Client
Inject. Date: 22-Oct-2023 22:23:30 ALS Bottle#: 18 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0134938-020
Operator ID: Instrument ID: A3UX23
Method: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\8260_23.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Oct-2023 12:10:30 Calib Date: 04-Aug-2023 19:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: PHN3

Date: 23-Oct-2023 12:06:37

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	27.4	109.51
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	28.8	115.19
\$ 6 Toluene-d8 (Surr)	25.0	27.1	108.33
\$ 7 4-Bromofluorobenzene (Surr)	25.0	20.3	81.40

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>GW-101023-BE-034</u>	Lab Sample ID: <u>240-193522-13</u>
Matrix: <u>Water</u>	Lab File ID: <u>238039.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/10/2023 13:58</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/22/2023 22:48</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>100</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591763</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	120		100	48
79-34-5	1,1,2,2-Tetrachloroethane	100	U	100	60
79-00-5	1,1,2-Trichloroethane	100	U	100	48
75-34-3	1,1-Dichloroethane	160		100	47
75-35-4	1,1-Dichloroethene	100	U	100	49
107-06-2	1,2-Dichloroethane	100	U	100	46
78-87-5	1,2-Dichloropropane	100	U	100	47
591-78-6	2-Hexanone	1000	U	1000	110
67-64-1	Acetone	1000	U	1000	540
71-43-2	Benzene	100	U	100	42
75-25-2	Bromoform	100	U	100	76
74-83-9	Bromomethane	100	U	100	42
75-15-0	Carbon disulfide	100	U	100	59
56-23-5	Carbon tetrachloride	100	U	100	26
108-90-7	Chlorobenzene	100	U	100	38
75-00-3	Chloroethane	100	U	100	83
67-66-3	Chloroform	100	U	100	47
74-87-3	Chloromethane	100	U	100	63
156-59-2	cis-1,2-Dichloroethene	4500		100	46
10061-01-5	cis-1,3-Dichloropropene	100	U	100	61
75-27-4	Dichlorobromomethane	100	U	100	38
100-41-4	Ethylbenzene	100	U	100	42
78-93-3	2-Butanone (MEK)	1000	U	1000	120
108-10-1	4-Methyl-2-pentanone (MIBK)	1000	U	1000	99
75-09-2	Methylene Chloride	500	U	500	260
100-42-5	Styrene	100	U	100	45
127-18-4	Tetrachloroethene	100	U	100	44
108-88-3	Toluene	100	U	100	44
156-60-5	trans-1,2-Dichloroethene	60	J	100	51
10061-02-6	trans-1,3-Dichloropropene	100	U	100	67
79-01-6	Trichloroethene	2700		100	44
75-01-4	Vinyl chloride	200		100	45
1330-20-7	Xylenes, Total	200	U	200	42
124-48-1	Chlorodibromomethane	100	U	100	39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: GW-101023-BE-034 Lab Sample ID: 240-193522-13
Matrix: Water Lab File ID: 238039.D
Analysis Method: 8260D Date Collected: 10/10/2023 13:58
Sample wt/vol: 5 (mL) Date Analyzed: 10/22/2023 22:48
Soil Aliquot Vol: _____ Dilution Factor: 100
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 591763 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		62-137
460-00-4	4-Bromofluorobenzene (Surr)	83		56-136
2037-26-5	Toluene-d8 (Surr)	111		78-122
1868-53-7	Dibromofluoromethane (Surr)	109		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\238039.D
 Lims ID: 240-193522-B-13
 Client ID: GW-101023-BE-034
 Sample Type: Client
 Inject. Date: 22-Oct-2023 22:48:30 ALS Bottle#: 19 Worklist Smp#: 21
 Purge Vol: 5.000 mL Dil. Factor: 100.0000
 Sample Info: 240-0134938-021
 Operator ID: Instrument ID: A3UX23
 Method: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 23-Oct-2023 12:10:30 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1668

First Level Reviewer: PHN3

Date: 23-Oct-2023 12:07:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	568477	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.727	0.011	89	387591	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.058	12.058	0.000	97	173179	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.798	0.012	92	135762	27.2	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.189	6.189	0.001	97	206079	28.5	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	96	521847	27.6	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	85	156513	20.7	
10 Chloromethane	50		1.420				ND	
11 Vinyl chloride	62	1.526	1.526	0.000	97	14601	1.97	
13 Bromomethane	94		1.834				ND	
14 Chloroethane	64		1.905				ND	
19 1,1-Dichloroethene	96	2.698	2.698	0.000	96	2167	0.4441	
21 Acetone	58		2.781				ND	7
24 Carbon disulfide	76		2.923				ND	
28 Methylene Chloride	84		3.301				ND	7
32 trans-1,2-Dichloroethene	96	3.704	3.692	0.012	90	3600	0.5969	
34 1,1-Dichloroethane	63	4.354	4.343	0.011	97	19501	1.63	
39 cis-1,2-Dichloroethene	96	5.183	5.171	0.012	84	302337	45.2	
40 2-Butanone (MEK)	72		5.254				ND	
47 Chloroform	83		5.609				ND	
48 1,1,1-Trichloroethane	97	5.810	5.798	0.012	40	11235	1.22	
51 Carbon tetrachloride	117		5.999				ND	
54 Benzene	78		6.248				ND	7
53 1,2-Dichloroethane	62		6.283				ND	
58 Trichloroethene	130	6.993	6.993	0.000	97	163087	26.6	
61 1,2-Dichloropropane	63		7.230				ND	
65 Dichlorobromomethane	83		7.537				ND	
68 cis-1,3-Dichloropropene	75		8.011				ND	
69 4-Methyl-2-pentanone (MIBK)	43		8.212				ND	
70 Toluene	91		8.354				ND	7
71 trans-1,3-Dichloropropene	75		8.591				ND	
73 1,1,2-Trichloroethane	97		8.768				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
75 Tetrachloroethene	164		8.910				ND	
76 2-Hexanone	43		9.052				ND	
78 Chlorodibromomethane	129		9.159				ND	
82 Chlorobenzene	112		9.762				ND	
84 Ethylbenzene	106		9.880				ND	
85 m-Xylene & p-Xylene	106		9.999				ND	
86 o-Xylene	106		10.389				ND	
87 Styrene	104		10.401				ND	
88 Bromoform	173		10.579				ND	
92 1,1,2,2-Tetrachloroethane	83		11.064				ND	
S 133 Xylenes, Total	106		17.050				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm125UX21_IS_00057	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_SS_00009	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\238039.D

Injection Date: 22-Oct-2023 22:48:30

Instrument ID: A3UX23

Operator ID:

Lims ID: 240-193522-B-13

Lab Sample ID: 240-193522-13

Worklist Smp#: 21

Client ID: GW-101023-BE-034

Purge Vol: 5.000 mL

Dil. Factor: 100.0000

ALS Bottle#: 19

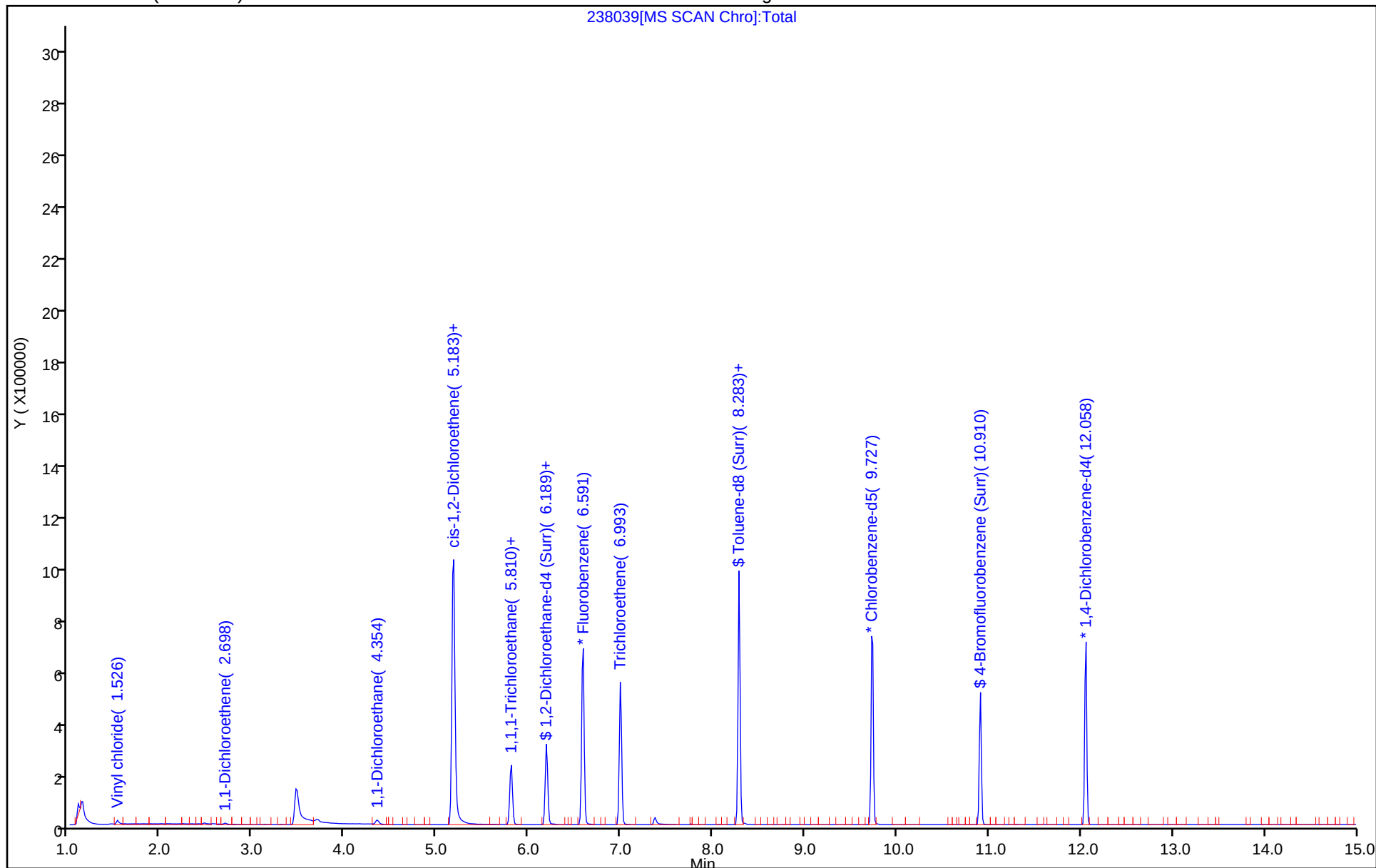
Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value

238039[MS SCAN Chro]:Total



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\238039.D
Lims ID: 240-193522-B-13
Client ID: GW-101023-BE-034
Sample Type: Client
Inject. Date: 22-Oct-2023 22:48:30 ALS Bottle#: 19 Worklist Smp#: 21
Purge Vol: 5.000 mL Dil. Factor: 100.0000
Sample Info: 240-0134938-021
Operator ID: Instrument ID: A3UX23
Method: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\8260_23.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Oct-2023 12:10:30 Calib Date: 04-Aug-2023 19:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: PHN3

Date: 23-Oct-2023 12:07:12

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	27.2	108.77
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	28.5	114.05
\$ 6 Toluene-d8 (Surr)	25.0	27.6	110.54
\$ 7 4-Bromofluorobenzene (Surr)	25.0	20.7	82.87

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\238039.D

Injection Date: 22-Oct-2023 22:48:30

Instrument ID: A3UX23

Lims ID: 240-193522-B-13

Lab Sample ID: 240-193522-13

Client ID: GW-101023-BE-034

Operator ID:

ALS Bottle#:

Worklist Smp#: 21

Purge Vol: 5.000 mL

Dil. Factor: 100.0000

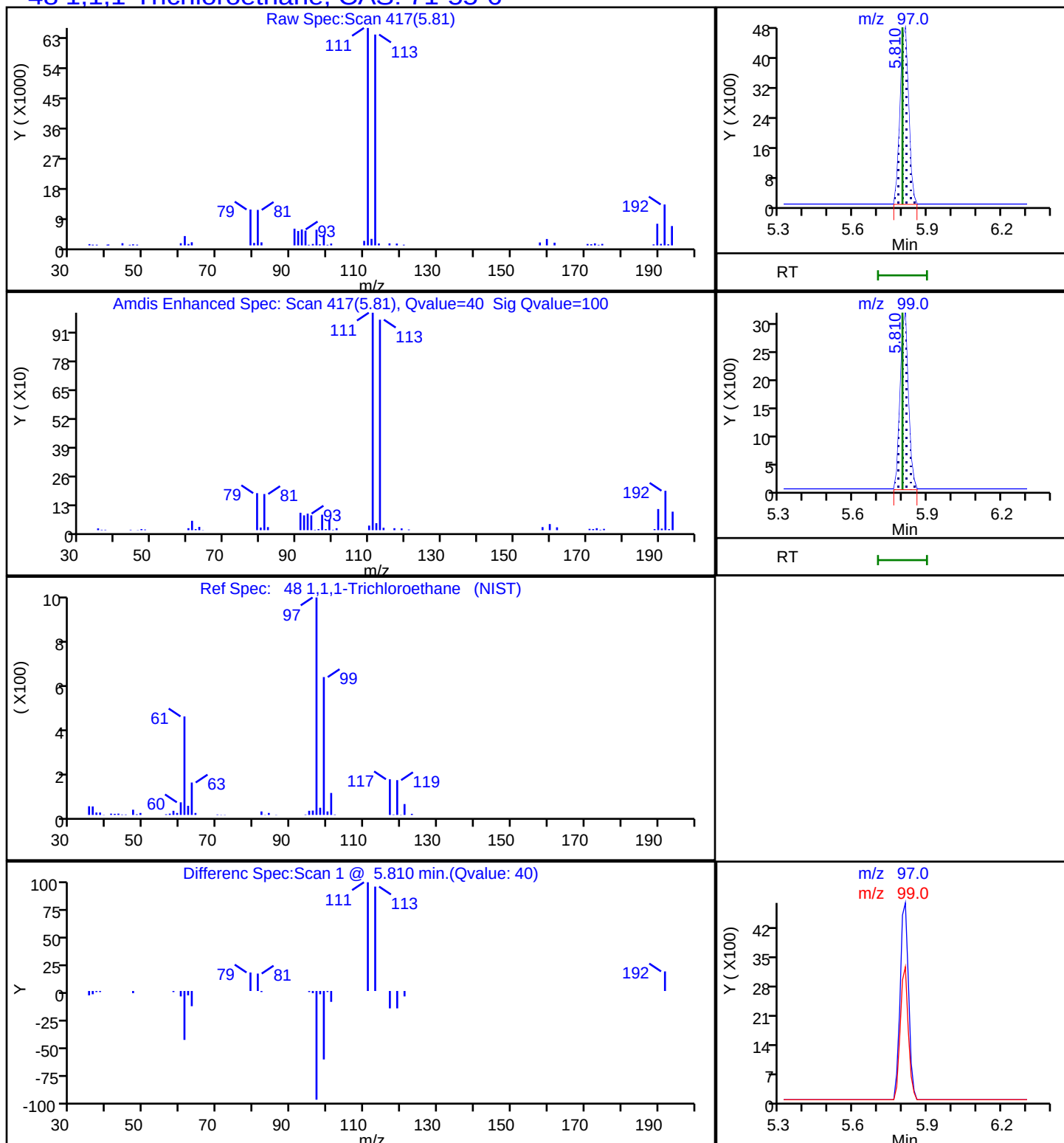
Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

48 1,1,1-Trichloroethane, CAS: 71-55-6



Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\238039.D

Injection Date: 22-Oct-2023 22:48:30

Instrument ID: A3UX23

Lims ID: 240-193522-B-13

Lab Sample ID: 240-193522-13

Client ID: GW-101023-BE-034

Operator ID:

ALS Bottle#:

19

Worklist Smp#:

21

Purge Vol: 5.000 mL

Dil. Factor:

100.0000

Method: 8260_23

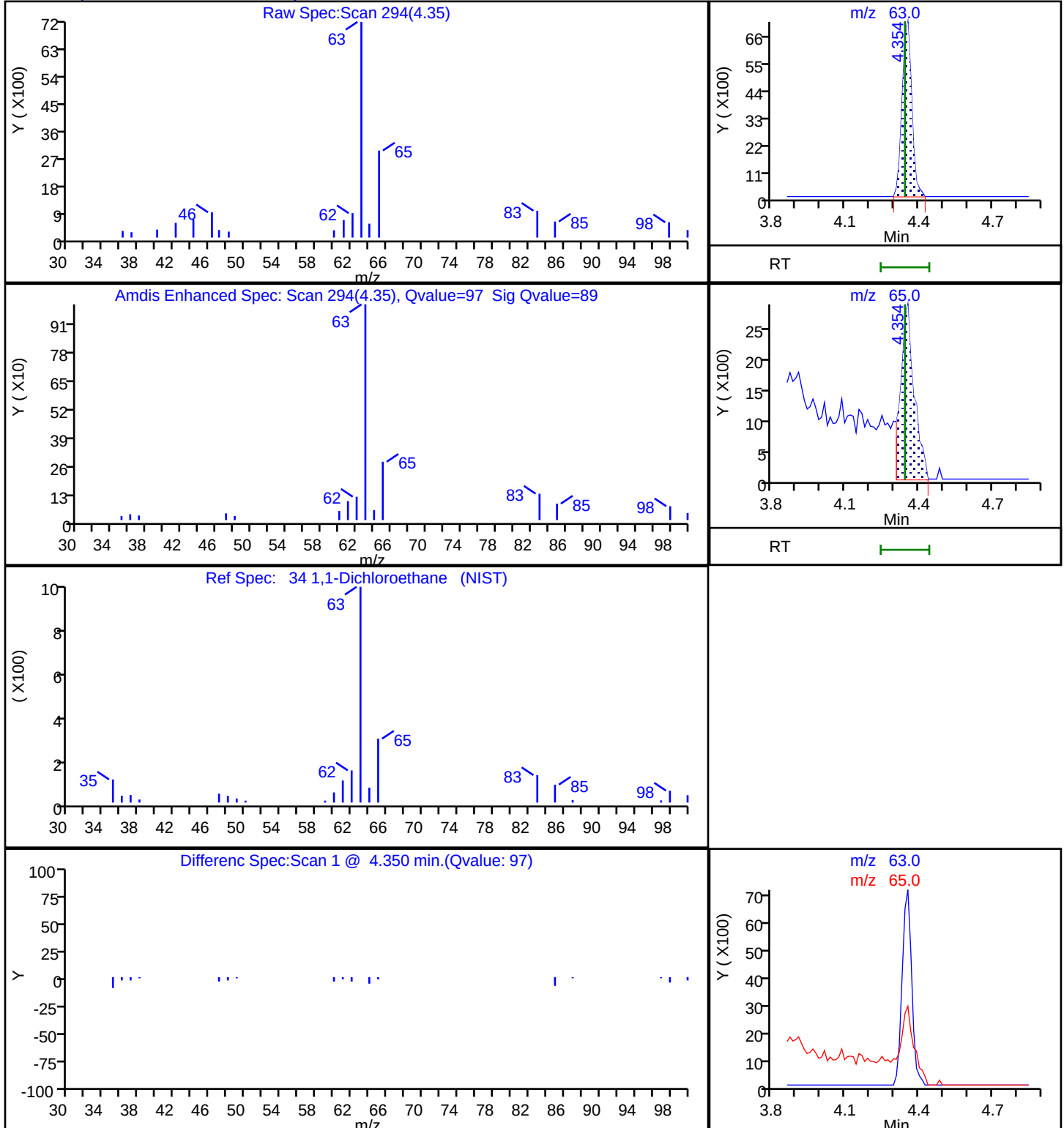
Limit Group:

MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector

MS SCAN

34 1,1-Dichloroethane, CAS: 75-34-3

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\238039.D

Injection Date: 22-Oct-2023 22:48:30

Instrument ID: A3UX23

Lims ID: 240-193522-B-13

Lab Sample ID: 240-193522-13

Client ID: GW-101023-BE-034

Operator ID:

ALS Bottle#:

19

Worklist Smp#:

21

Purge Vol: 5.000 mL

Dil. Factor:

100.0000

Method: 8260_23

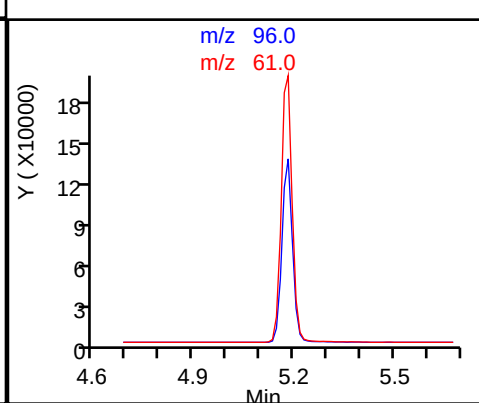
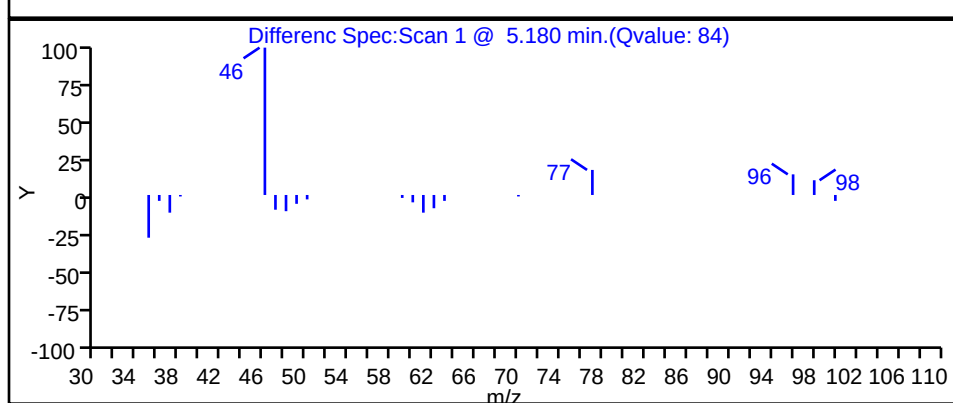
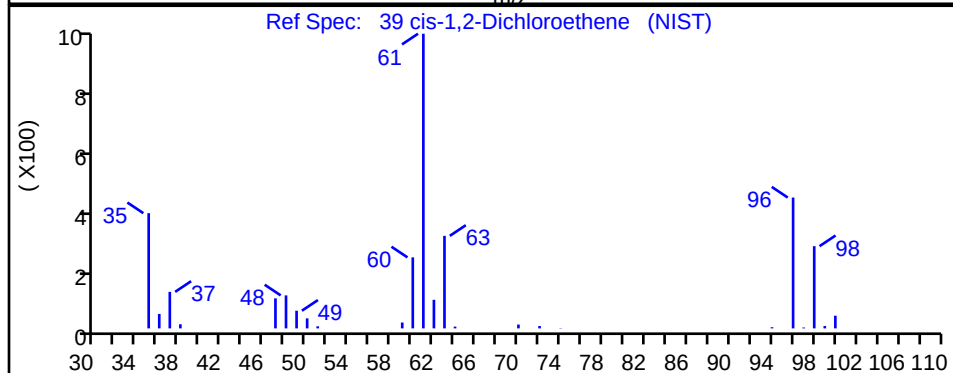
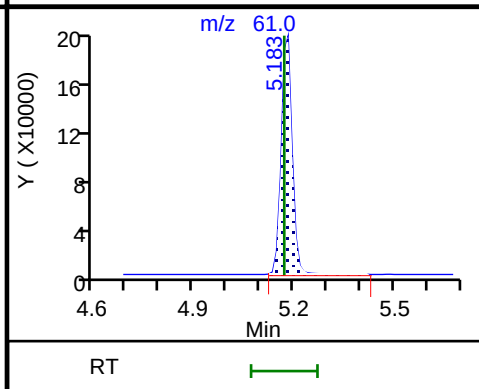
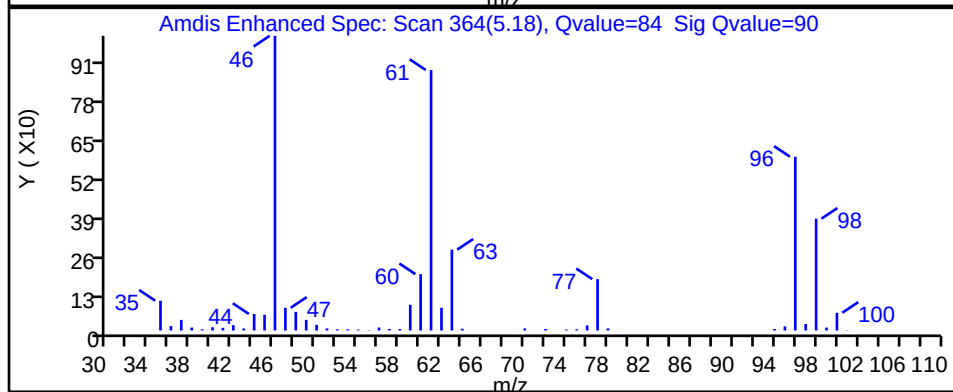
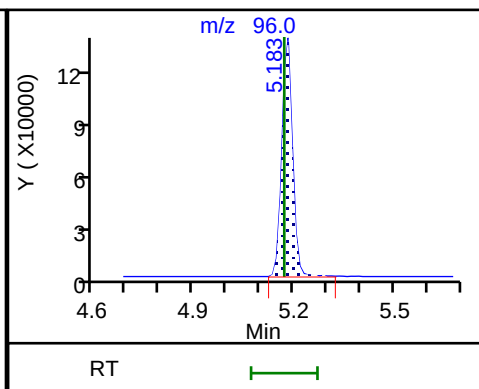
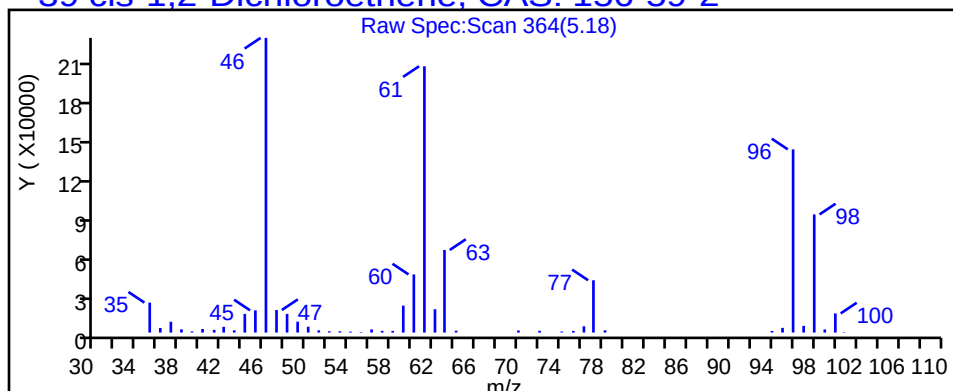
Limit Group:

MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector

MS SCAN

39 cis-1,2-Dichloroethene, CAS: 156-59-2

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\238039.D

Injection Date: 22-Oct-2023 22:48:30

Instrument ID: A3UX23

Lims ID: 240-193522-B-13

Lab Sample ID: 240-193522-13

Client ID: GW-101023-BE-034

Operator ID:

ALS Bottle#:

19

Worklist Smp#:

21

Purge Vol: 5.000 mL

Dil. Factor:

100.0000

Method: 8260_23

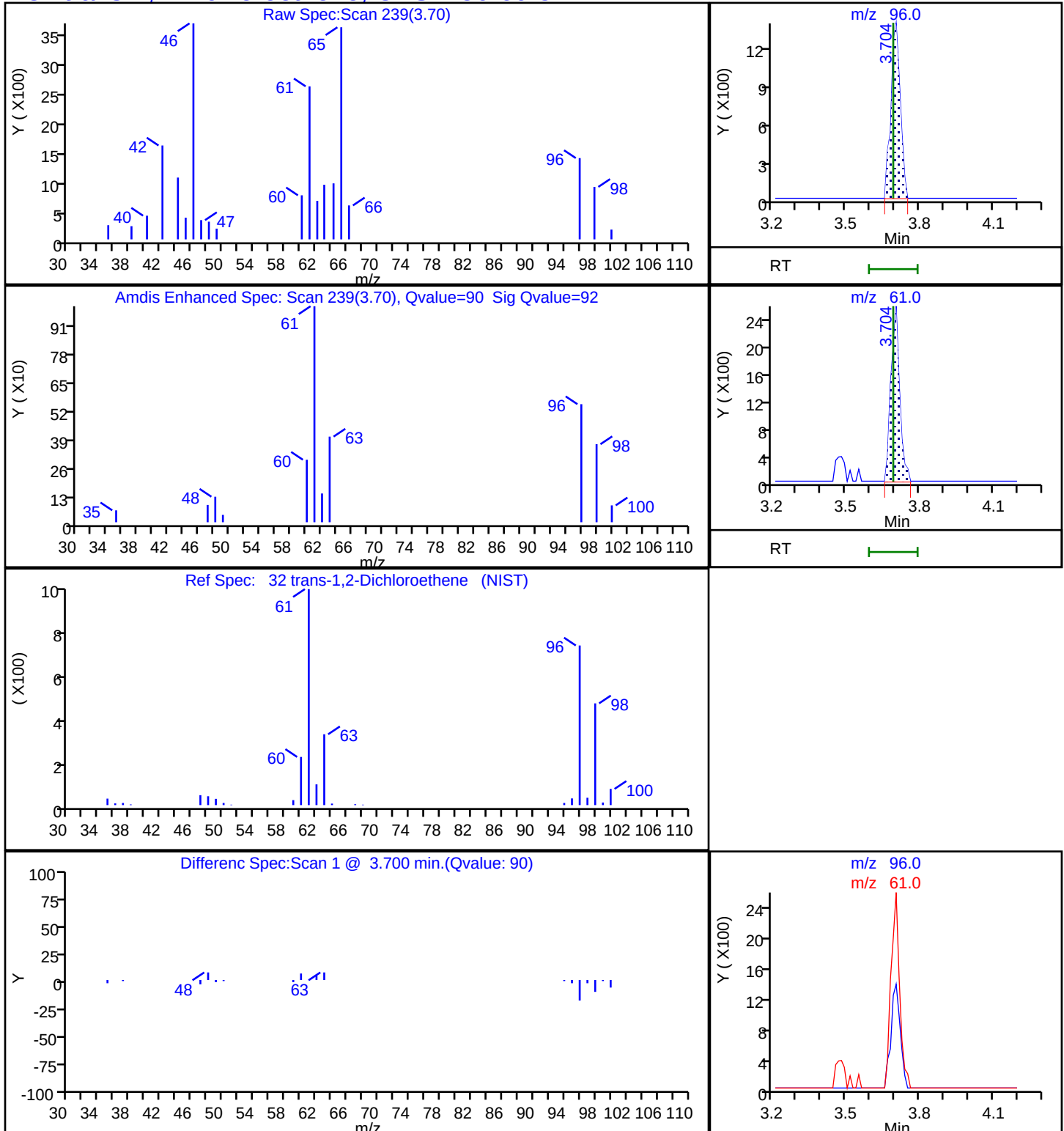
Limit Group:

MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector

MS SCAN

32 trans-1,2-Dichloroethene, CAS: 156-60-5

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\238039.D

Injection Date: 22-Oct-2023 22:48:30

Instrument ID: A3UX23

Lims ID: 240-193522-B-13

Lab Sample ID: 240-193522-13

Client ID: GW-101023-BE-034

Operator ID:

ALS Bottle#:

19

Worklist Smp#:

21

Purge Vol: 5.000 mL

Dil. Factor:

100.0000

Method: 8260_23

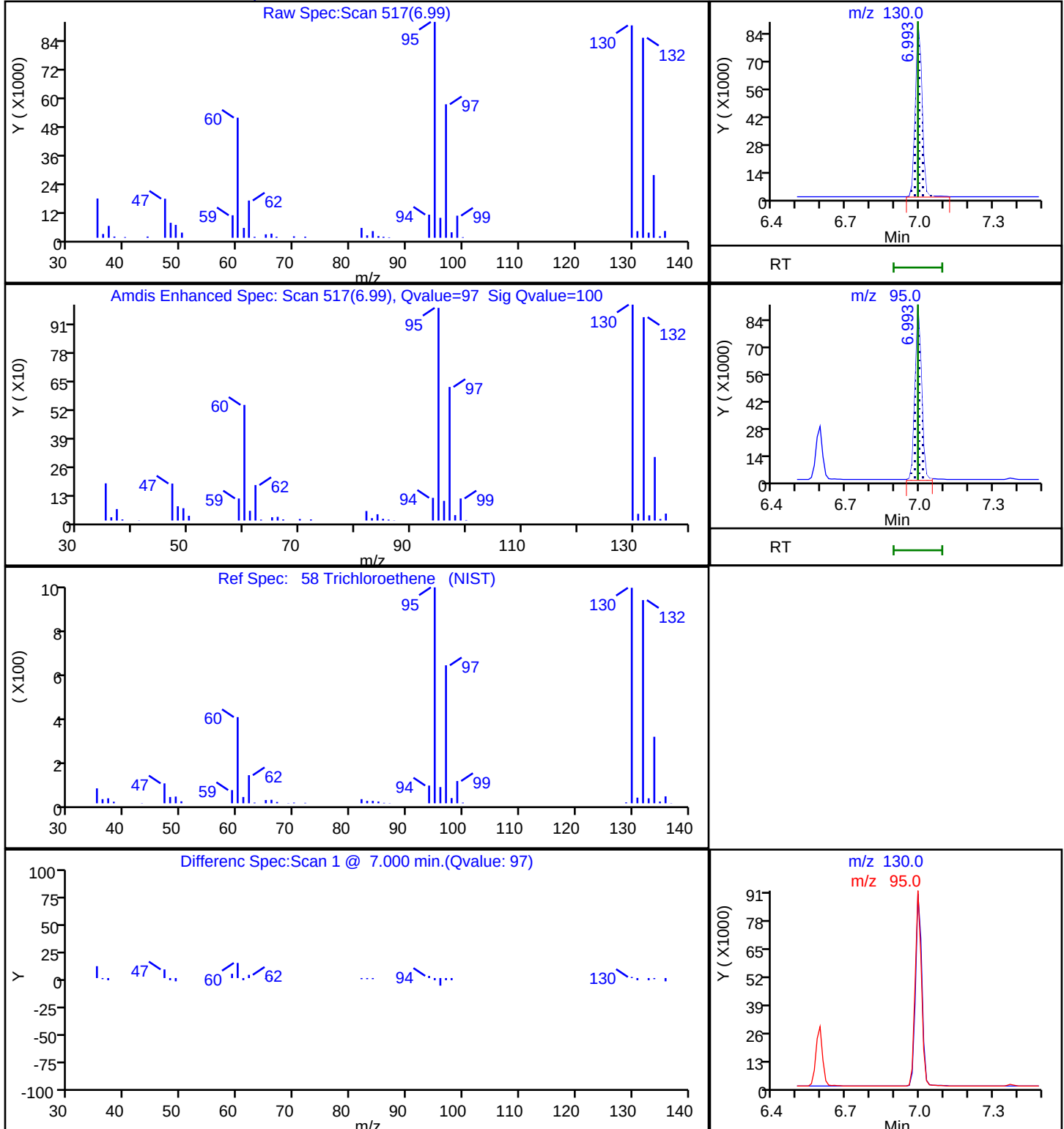
Limit Group:

MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector

MS SCAN

58 Trichloroethene, CAS: 79-01-6

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\238039.D

Injection Date: 22-Oct-2023 22:48:30

Instrument ID: A3UX23

Lims ID: 240-193522-B-13

Lab Sample ID: 240-193522-13

Client ID: GW-101023-BE-034

Operator ID:

ALS Bottle#:

Worklist Smp#: 21

Purge Vol: 5.000 mL

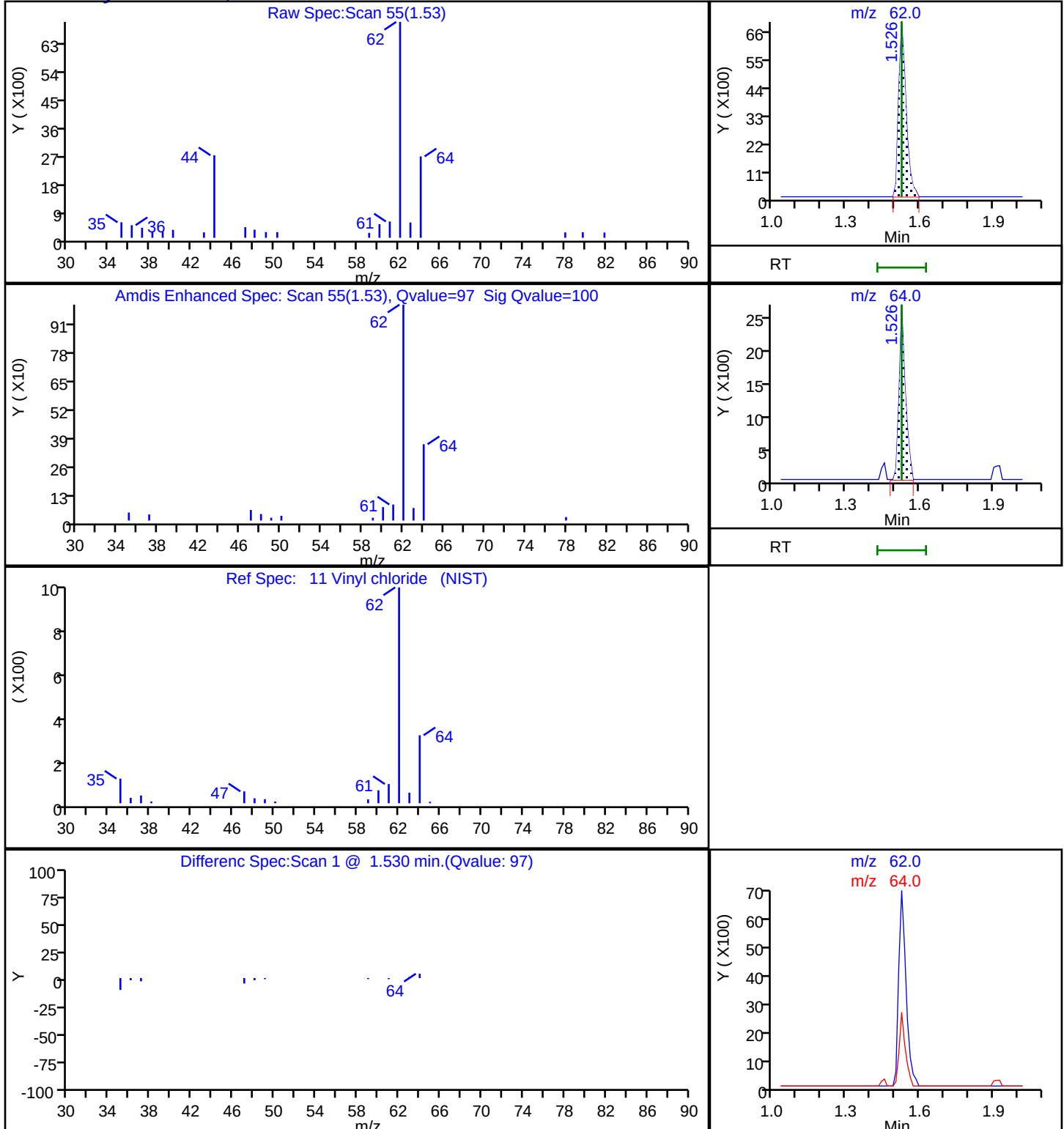
Dil. Factor: 100.0000

Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

11 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>GW-101023-BE-035</u>	Lab Sample ID: <u>240-193522-14</u>
Matrix: <u>Water</u>	Lab File ID: <u>225391.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/10/2023 14:44</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/24/2023 06:44</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>100</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591927</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	100	U	100	48
79-34-5	1,1,2,2-Tetrachloroethane	100	U	100	60
79-00-5	1,1,2-Trichloroethane	100	U	100	48
75-34-3	1,1-Dichloroethane	58	J	100	47
75-35-4	1,1-Dichloroethene	100	U	100	49
107-06-2	1,2-Dichloroethane	100	U	100	46
78-87-5	1,2-Dichloropropane	100	U	100	47
591-78-6	2-Hexanone	1000	U	1000	110
67-64-1	Acetone	1000	U	1000	540
71-43-2	Benzene	100	U	100	42
75-25-2	Bromoform	100	U	100	76
74-83-9	Bromomethane	100	U	100	42
75-15-0	Carbon disulfide	100	U	100	59
56-23-5	Carbon tetrachloride	100	U	100	26
108-90-7	Chlorobenzene	100	U	100	38
75-00-3	Chloroethane	100	U	100	83
67-66-3	Chloroform	100	U	100	47
74-87-3	Chloromethane	100	U	100	63
156-59-2	cis-1,2-Dichloroethene	2700		100	46
10061-01-5	cis-1,3-Dichloropropene	100	U	100	61
75-27-4	Dichlorobromomethane	100	U	100	38
100-41-4	Ethylbenzene	100	U	100	42
78-93-3	2-Butanone (MEK)	1000	U	1000	120
108-10-1	4-Methyl-2-pentanone (MIBK)	1000	U	1000	99
75-09-2	Methylene Chloride	500	U	500	260
100-42-5	Styrene	100	U	100	45
127-18-4	Tetrachloroethene	100	U	100	44
108-88-3	Toluene	100	U	100	44
156-60-5	trans-1,2-Dichloroethene	170		100	51
10061-02-6	trans-1,3-Dichloropropene	100	U	100	67
79-01-6	Trichloroethene	100	U	100	44
75-01-4	Vinyl chloride	140		100	45
1330-20-7	Xylenes, Total	200	U	200	42
124-48-1	Chlorodibromomethane	100	U	100	39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: GW-101023-BE-035 Lab Sample ID: 240-193522-14
Matrix: Water Lab File ID: 225391.D
Analysis Method: 8260D Date Collected: 10/10/2023 14:44
Sample wt/vol: 5 (mL) Date Analyzed: 10/24/2023 06:44
Soil Aliquot Vol: _____ Dilution Factor: 100
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 591927 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		62-137
460-00-4	4-Bromofluorobenzene (Surr)	86		56-136
2037-26-5	Toluene-d8 (Surr)	89		78-122
1868-53-7	Dibromofluoromethane (Surr)	93		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231023-134987.b\225391.D
 Lims ID: 240-193522-A-14
 Client ID: GW-101023-BE-035
 Sample Type: Client
 Inject. Date: 24-Oct-2023 06:44:36 ALS Bottle#: 0 Worklist Smp#: 14
 Purge Vol: 5.000 mL Dil. Factor: 100.0000
 Sample Info: 240-0134987-014
 Operator ID: 002808 Instrument ID: A3UX22
 Method: \\chromfs\Canton\ChromData\A3UX22\20231023-134987.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 24-Oct-2023 13:04:24 Calib Date: 11-Sep-2023 18:19:34
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1634

First Level Reviewer: PHN3

Date: 24-Oct-2023 12:13:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.251	7.251	0.000	98	1100067	25.0	
* 2 Chlorobenzene-d5	117	10.393	10.394	-0.001	89	807750	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	95	427646	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	267153	23.3	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	306412	25.0	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.983	0.011	94	958151	22.3	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.437	11.425	0.012	96	332784	21.4	
10 Chloromethane	50		1.429				ND	
12 Vinyl chloride	62	1.523	1.523	0.000	99	17021	1.37	
13 Bromomethane	94	1.867	1.855	0.012	59	1508	0.2798	
15 Chloroethane	64		1.962				ND	
20 1,1-Dichloroethene	96		2.852				ND	
22 Acetone	43	3.076	3.065	0.011	98	8459	1.38	
25 Carbon disulfide	76		3.101				ND	7
29 Methylene Chloride	84		3.658				ND	7
32 trans-1,2-Dichloroethene	96	4.013	4.002	0.011	95	16877	1.74	
35 1,1-Dichloroethane	63	4.855	4.844	0.011	95	10353	0.5792	
41 cis-1,2-Dichloroethene	96	5.804	5.793	0.011	62	290122	27.5	
40 2-Butanone (MEK)	72	5.887	5.887	0.000	55	237	0.1023	
48 Chloroform	83		6.255				ND	
49 1,1,1-Trichloroethane	97		6.397				ND	
52 Carbon tetrachloride	117		6.552				ND	
54 Benzene	78		6.860				ND	
55 1,2-Dichloroethane	62		7.014				ND	
59 Trichloroethene	130		7.666				ND	
62 1,2-Dichloropropane	63		7.975				ND	
66 Dichlorobromomethane	83		8.283				ND	
69 cis-1,3-Dichloropropene	75		8.769				ND	
70 4-Methyl-2-pentanone (MIBK)	43		8.947				ND	
71 Toluene	91		9.054				ND	7
72 trans-1,3-Dichloropropene	75		9.374				ND	
74 1,1,2-Trichloroethane	97		9.552				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
75 Tetrachloroethene	166		9.564				ND	
77 2-Hexanone	43		9.777				ND	
79 Chlorodibromomethane	129		9.884				ND	
83 Chlorobenzene	112		10.417				ND	
85 Ethylbenzene	106		10.500				ND	
86 m-Xylene & p-Xylene	106		10.607				ND	
87 o-Xylene	106		10.951				ND	
88 Styrene	104		10.975				ND	
89 Bromoform	173		11.165				ND	
93 1,1,2,2-Tetrachloroethane	83		11.580				ND	
S 128 Xylenes, Total	106		16.520				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm25UX18IS_00009	Amount Added: 5.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231023-134987.b\225391.D

Injection Date: 24-Oct-2023 06:44:36

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: 240-193522-A-14

Lab Sample ID: 240-193522-14

Worklist Smp#: 14

Client ID: GW-101023-BE-035

Purge Vol: 5.000 mL

Dil. Factor: 100.0000

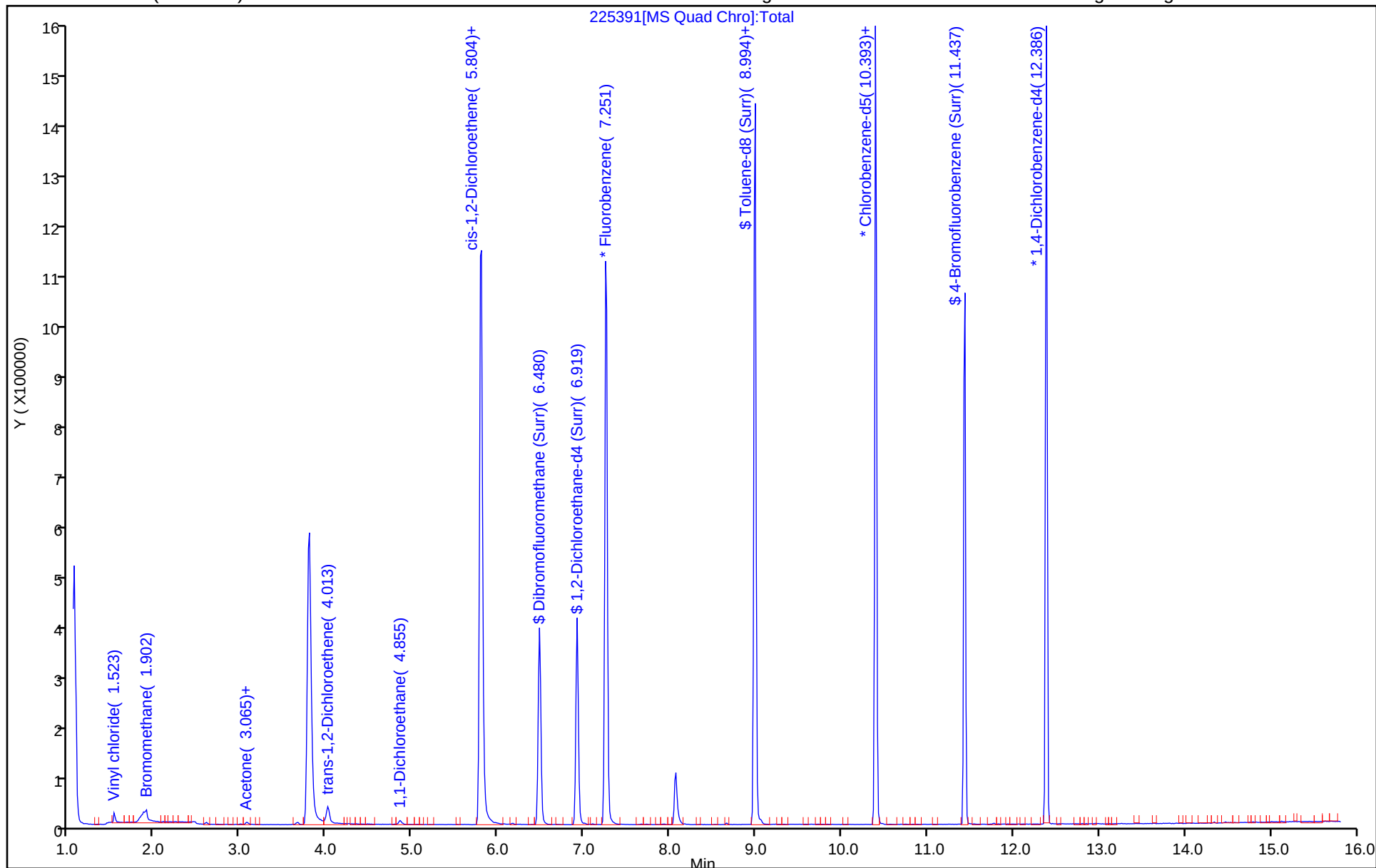
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231023-134987.b\225391.D
 Lims ID: 240-193522-A-14
 Client ID: GW-101023-BE-035
 Sample Type: Client
 Inject. Date: 24-Oct-2023 06:44:36 ALS Bottle#: 0 Worklist Smp#: 14
 Purge Vol: 5.000 mL Dil. Factor: 100.0000
 Sample Info: 240-0134987-014
 Operator ID: 002808 Instrument ID: A3UX22
 Method: \\chromfs\Canton\ChromData\A3UX22\20231023-134987.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 24-Oct-2023 13:04:24 Calib Date: 11-Sep-2023 18:19:34
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1634

First Level Reviewer: PHN3

Date: 24-Oct-2023 12:13:30

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	23.3	93.18
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	25.0	99.82
\$ 6 Toluene-d8 (Surr)	25.0	22.3	89.35
\$ 7 4-Bromofluorobenzene (Surr)	25.0	21.4	85.73

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231023-134987.b\225391.D

Injection Date: 24-Oct-2023 06:44:36

Instrument ID: A3UX22

Lims ID: 240-193522-A-14

Lab Sample ID: 240-193522-14

Client ID: GW-101023-BE-035

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 14

Purge Vol: 5.000 mL

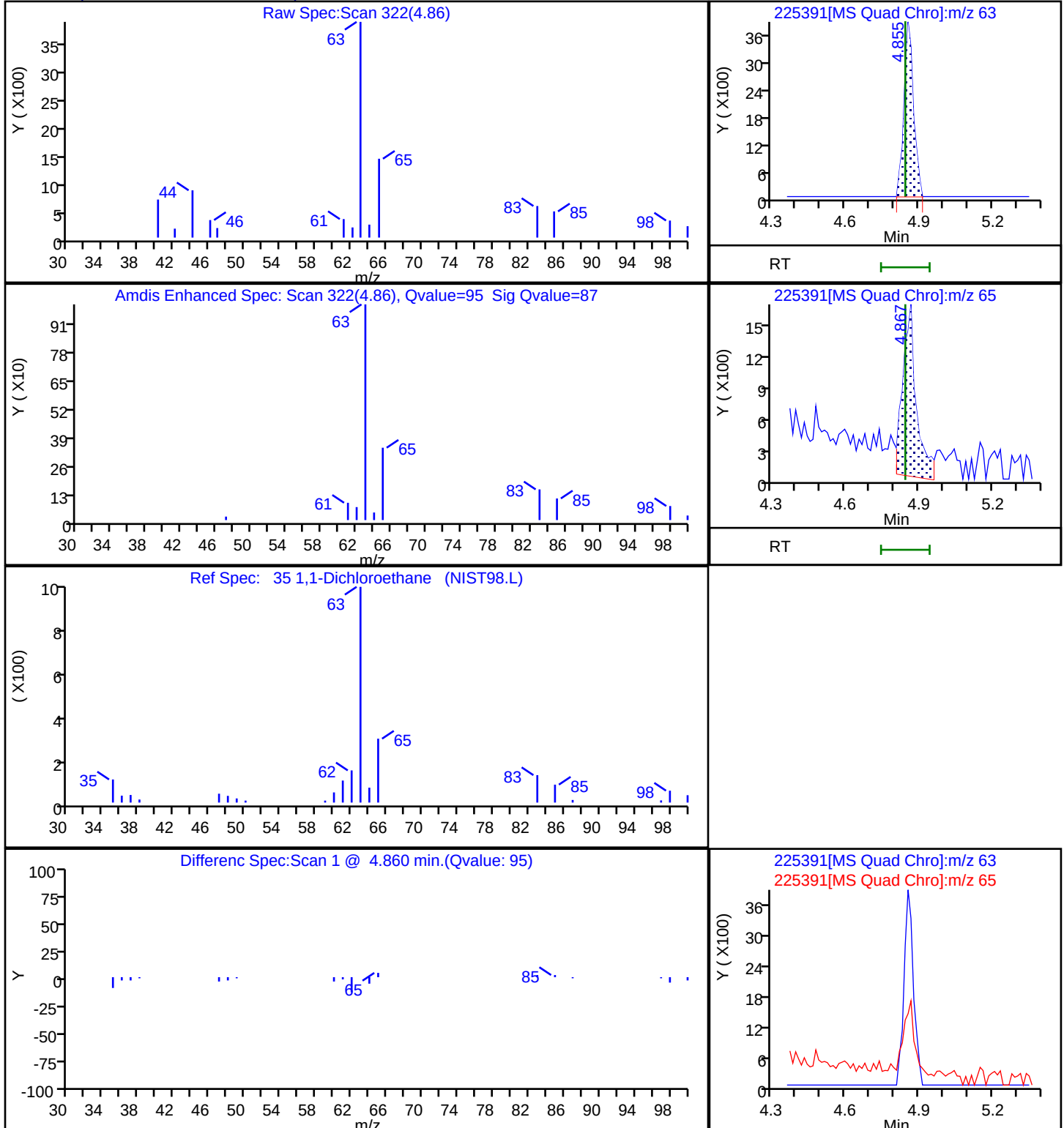
Dil. Factor: 100.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

35 1,1-Dichloroethane, CAS: 75-34-3

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231023-134987.b\225391.D

Injection Date: 24-Oct-2023 06:44:36

Instrument ID: A3UX22

Lims ID: 240-193522-A-14

Lab Sample ID: 240-193522-14

Client ID: GW-101023-BE-035

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 14

Purge Vol: 5.000 mL

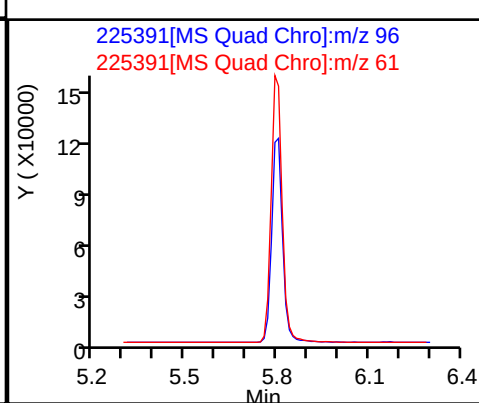
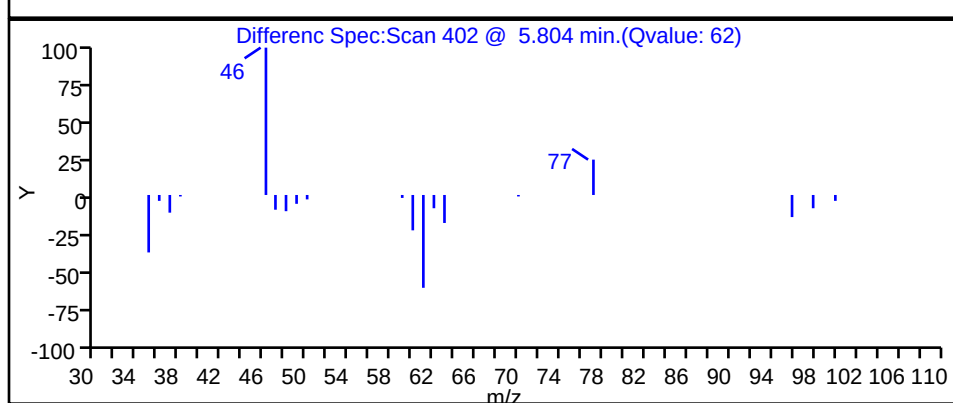
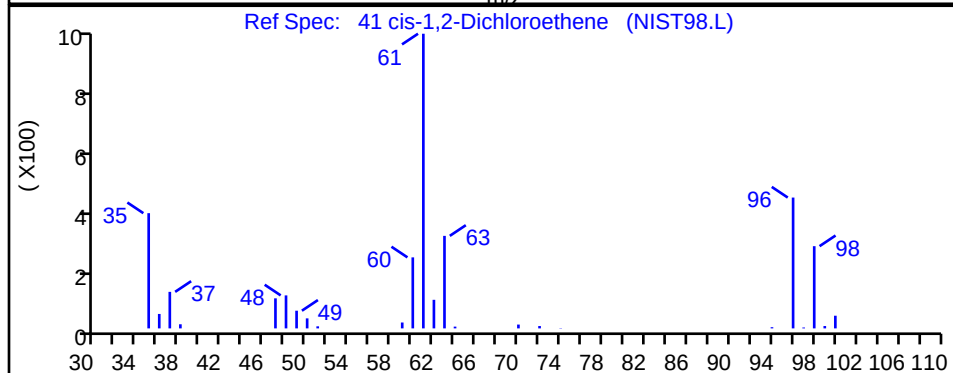
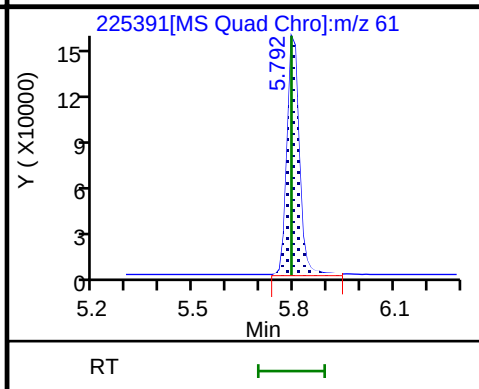
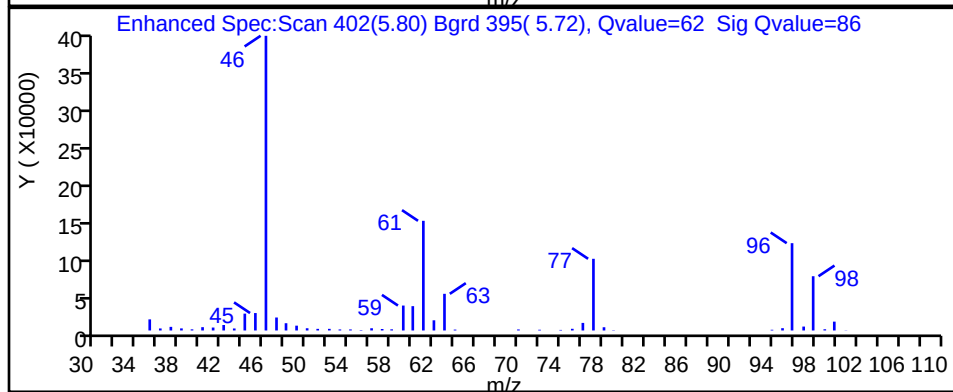
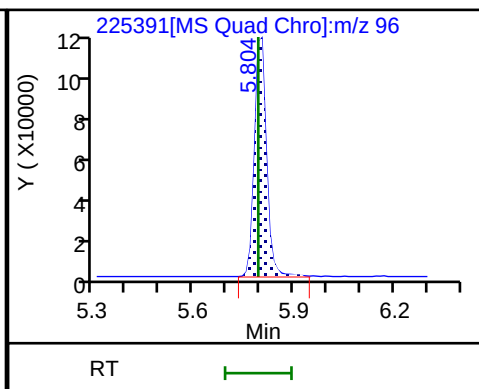
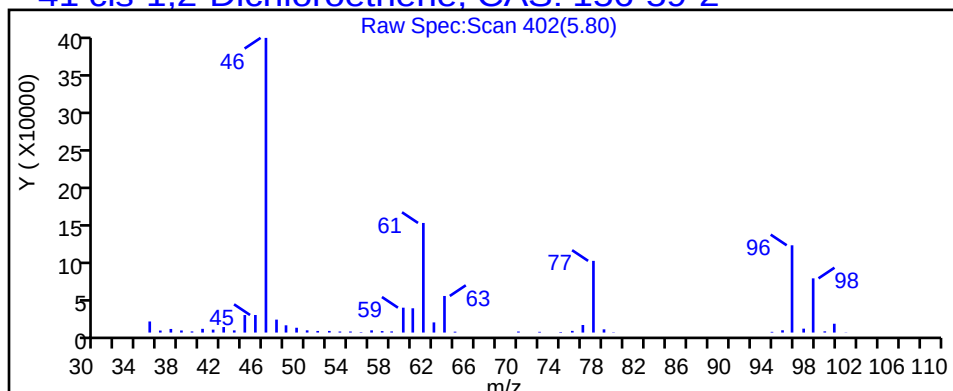
Dil. Factor: 100.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

41 cis-1,2-Dichloroethene, CAS: 156-59-2

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231023-134987.b\225391.D

Injection Date: 24-Oct-2023 06:44:36

Instrument ID: A3UX22

Lims ID: 240-193522-A-14

Lab Sample ID: 240-193522-14

Client ID: GW-101023-BE-035

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 14

Purge Vol: 5.000 mL

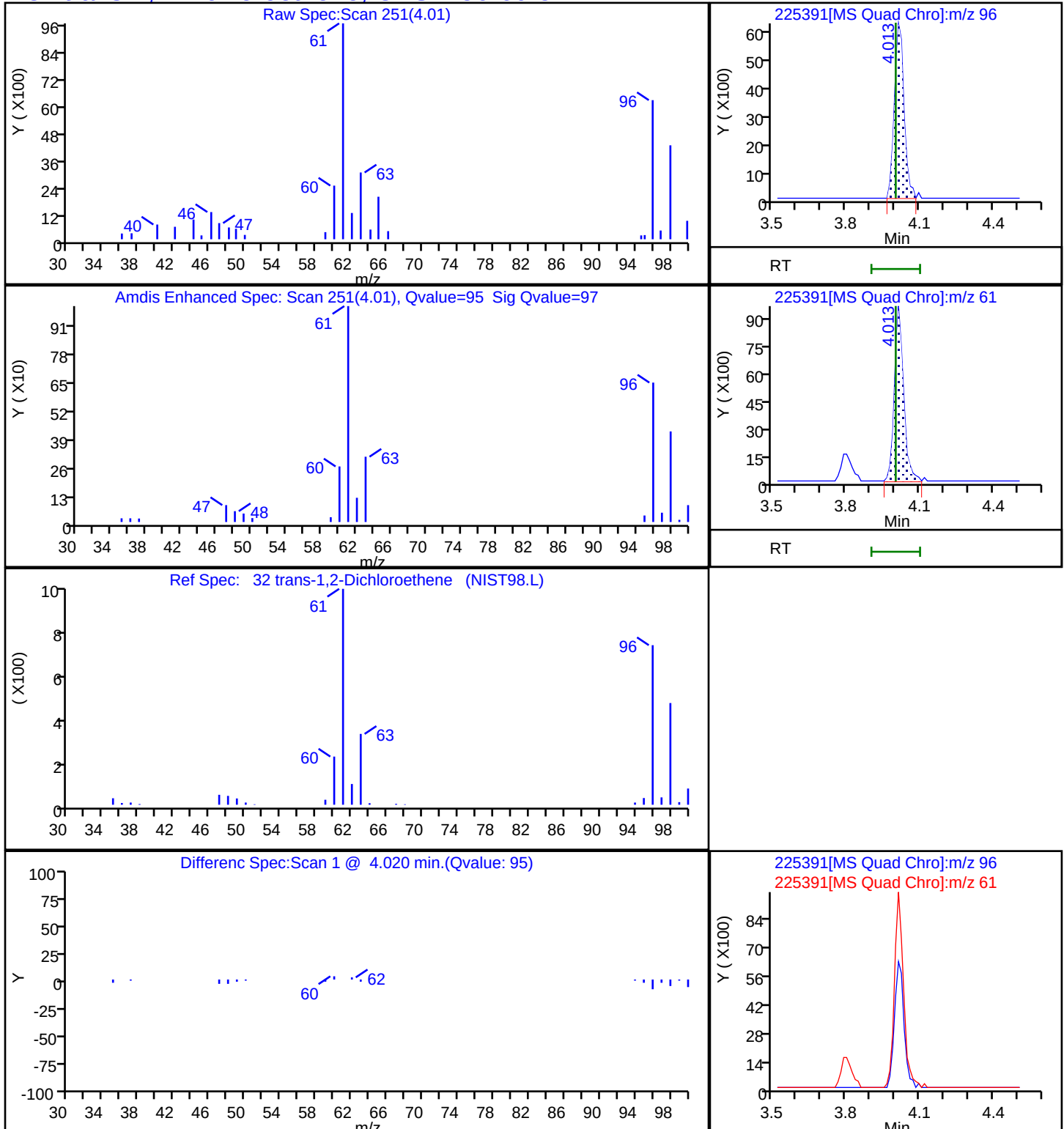
Dil. Factor: 100.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

32 trans-1,2-Dichloroethene, CAS: 156-60-5

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231023-134987.b\225391.D

Injection Date: 24-Oct-2023 06:44:36

Instrument ID: A3UX22

Lims ID: 240-193522-A-14

Lab Sample ID: 240-193522-14

Client ID: GW-101023-BE-035

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 14

Purge Vol: 5.000 mL

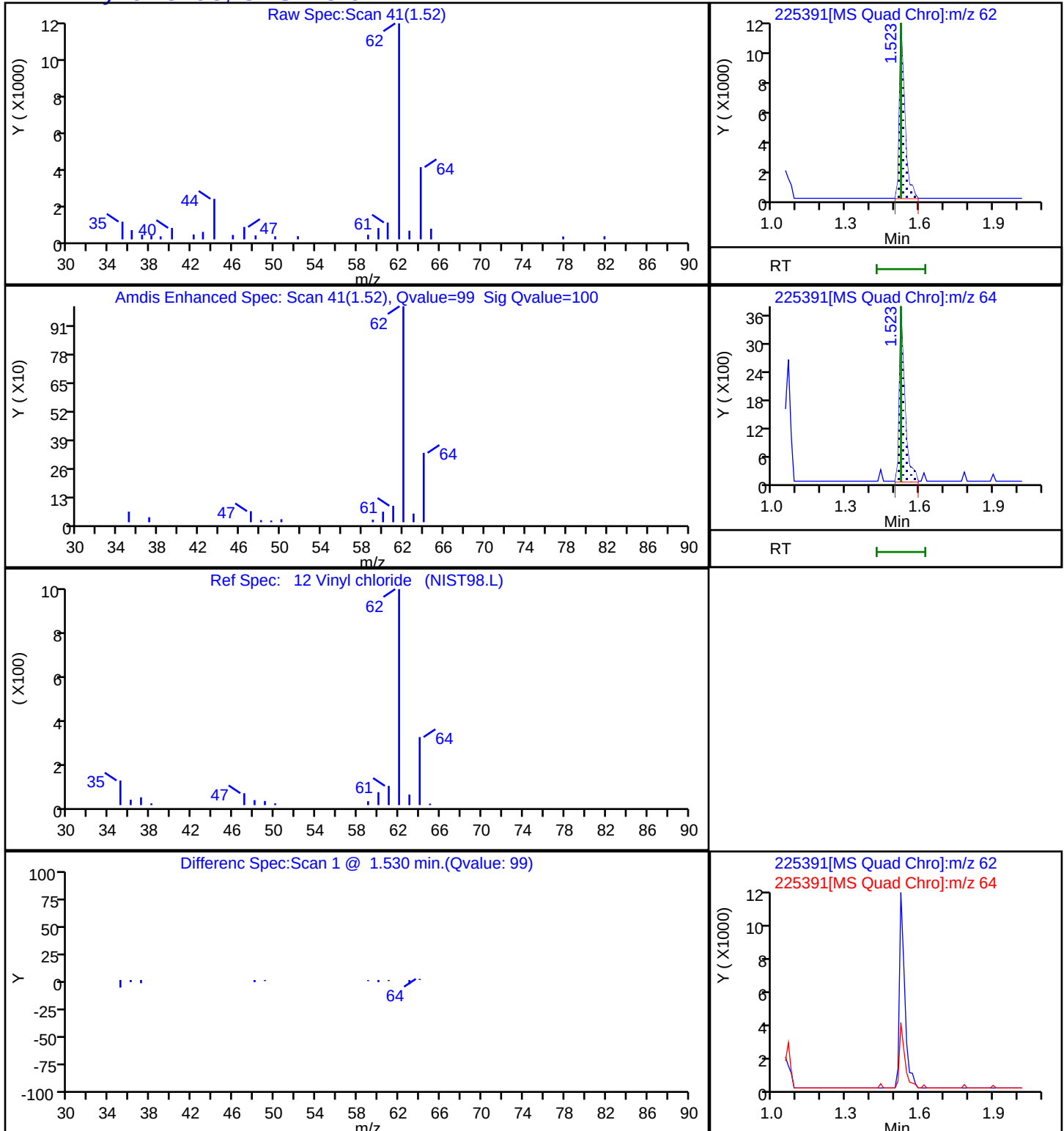
Dil. Factor: 100.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

12 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>GW-101023-BE-036</u>	Lab Sample ID: <u>240-193522-15</u>
Matrix: <u>Water</u>	Lab File ID: <u>225338.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/10/2023 14:55</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/22/2023 23:01</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>100</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591760</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	100	U	100	48
79-34-5	1,1,2,2-Tetrachloroethane	100	U	100	60
79-00-5	1,1,2-Trichloroethane	100	U	100	48
75-34-3	1,1-Dichloroethane	61	J	100	47
75-35-4	1,1-Dichloroethene	100	U	100	49
107-06-2	1,2-Dichloroethane	100	U	100	46
78-87-5	1,2-Dichloropropane	100	U	100	47
591-78-6	2-Hexanone	1000	U	1000	110
67-64-1	Acetone	1000	U	1000	540
71-43-2	Benzene	100	U	100	42
75-25-2	Bromoform	100	U	100	76
74-83-9	Bromomethane	100	U	100	42
75-15-0	Carbon disulfide	100	U	100	59
56-23-5	Carbon tetrachloride	100	U	100	26
108-90-7	Chlorobenzene	100	U	100	38
75-00-3	Chloroethane	100	U	100	83
67-66-3	Chloroform	100	U	100	47
74-87-3	Chloromethane	100	U	100	63
156-59-2	cis-1,2-Dichloroethene	2700		100	46
10061-01-5	cis-1,3-Dichloropropene	100	U	100	61
75-27-4	Dichlorobromomethane	100	U	100	38
100-41-4	Ethylbenzene	100	U	100	42
78-93-3	2-Butanone (MEK)	1000	U	1000	120
108-10-1	4-Methyl-2-pentanone (MIBK)	1000	U	1000	99
75-09-2	Methylene Chloride	500	U	500	260
100-42-5	Styrene	100	U	100	45
127-18-4	Tetrachloroethene	100	U	100	44
108-88-3	Toluene	100	U	100	44
156-60-5	trans-1,2-Dichloroethene	190		100	51
10061-02-6	trans-1,3-Dichloropropene	100	U	100	67
79-01-6	Trichloroethene	100	U	100	44
75-01-4	Vinyl chloride	140		100	45
1330-20-7	Xylenes, Total	200	U	200	42
124-48-1	Chlorodibromomethane	100	U	100	39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: GW-101023-BE-036 Lab Sample ID: 240-193522-15
Matrix: Water Lab File ID: 225338.D
Analysis Method: 8260D Date Collected: 10/10/2023 14:55
Sample wt/vol: 5 (mL) Date Analyzed: 10/22/2023 23:01
Soil Aliquot Vol: _____ Dilution Factor: 100
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 591760 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		62-137
460-00-4	4-Bromofluorobenzene (Surr)	88		56-136
2037-26-5	Toluene-d8 (Surr)	92		78-122
1868-53-7	Dibromofluoromethane (Surr)	99		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225338.D
 Lims ID: 240-193522-B-15
 Client ID: GW-101023-BE-036
 Sample Type: Client
 Inject. Date: 22-Oct-2023 23:01:34 ALS Bottle#: 0 Worklist Smp#: 22
 Purge Vol: 5.000 mL Dil. Factor: 100.0000
 Sample Info: 240-0134937-022
 Operator ID: 002808 Instrument ID: A3UX22
 Method: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 23-Oct-2023 12:00:02 Calib Date: 11-Sep-2023 18:19:34
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1668

First Level Reviewer: PHN3

Date: 23-Oct-2023 11:51:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.251	7.251	0.000	98	1094855	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.394	0.000	86	819653	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	95	433784	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	281591	24.7	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	317908	26.0	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	94	996817	22.9	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.437	11.437	0.000	97	345658	21.9	
10 Chloromethane	50		1.428				ND	
12 Vinyl chloride	62	1.523	1.523	0.000	98	17676	1.43	
13 Bromomethane	94		1.855				ND	
15 Chloroethane	64		1.962				ND	
20 1,1-Dichloroethene	96		2.863				ND	
22 Acetone	43	3.065	3.065	0.000	100	11721	1.93	
25 Carbon disulfide	76		3.101				ND	
29 Methylene Chloride	84		3.658				ND	
32 trans-1,2-Dichloroethene	96	4.014	4.014	0.000	95	18187	1.89	
35 1,1-Dichloroethane	63	4.856	4.856	0.000	96	10882	0.6117	
41 cis-1,2-Dichloroethene	96	5.792	5.792	0.000	62	286172	27.2	
40 2-Butanone (MEK)	72		5.887				ND	
48 Chloroform	83		6.267				ND	
49 1,1,1-Trichloroethane	97		6.397				ND	
52 Carbon tetrachloride	117		6.551				ND	
54 Benzene	78		6.872				ND	
55 1,2-Dichloroethane	62		7.014				ND	
59 Trichloroethene	130		7.666				ND	
62 1,2-Dichloropropane	63		7.974				ND	
66 Dichlorobromomethane	83		8.283				ND	
69 cis-1,3-Dichloropropene	75		8.781				ND	
70 4-Methyl-2-pentanone (MIBK)	43		8.947				ND	
71 Toluene	91		9.054				ND	7
72 trans-1,3-Dichloropropene	75		9.386				ND	
74 1,1,2-Trichloroethane	97		9.552				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
75 Tetrachloroethene	166		9.575				ND	
77 2-Hexanone	43		9.777				ND	
79 Chlorodibromomethane	129		9.884				ND	
83 Chlorobenzene	112		10.417				ND	
85 Ethylbenzene	106		10.500				ND	
86 m-Xylene & p-Xylene	106		10.607				ND	
87 o-Xylene	106		10.951				ND	
88 Styrene	104		10.975				ND	
89 Bromoform	173		11.164				ND	
93 1,1,2,2-Tetrachloroethane	83		11.579				ND	
S 128 Xylenes, Total	106		16.520				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm25UX18IS_00009	Amount Added: 5.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225338.D

Injection Date: 22-Oct-2023 23:01:34

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: 240-193522-B-15

Lab Sample ID: 240-193522-15

Worklist Smp#: 22

Client ID: GW-101023-BE-036

Purge Vol: 5.000 mL

Dil. Factor: 100.0000

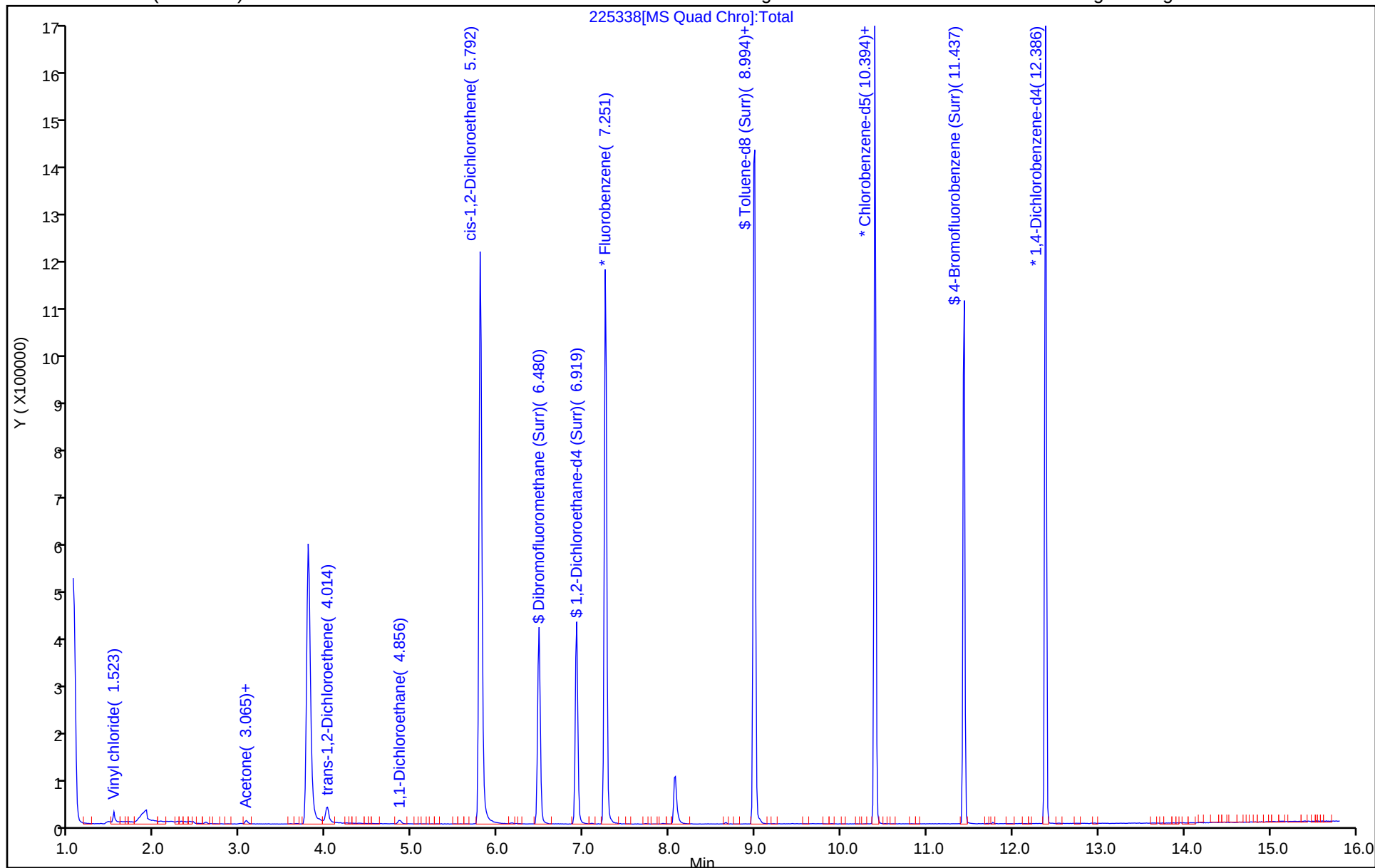
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225338.D
Lims ID: 240-193522-B-15
Client ID: GW-101023-BE-036
Sample Type: Client
Inject. Date: 22-Oct-2023 23:01:34 ALS Bottle#: 0 Worklist Smp#: 22
Purge Vol: 5.000 mL Dil. Factor: 100.0000
Sample Info: 240-0134937-022
Operator ID: 002808 Instrument ID: A3UX22
Method: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Oct-2023 12:00:02 Calib Date: 11-Sep-2023 18:19:34
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: PHN3

Date: 23-Oct-2023 11:51:56

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	24.7	98.69
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	26.0	104.06
\$ 6 Toluene-d8 (Surr)	25.0	22.9	91.61
\$ 7 4-Bromofluorobenzene (Surr)	25.0	21.9	87.76

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225338.D

Injection Date: 22-Oct-2023 23:01:34

Instrument ID: A3UX22

Lims ID: 240-193522-B-15

Lab Sample ID: 240-193522-15

Client ID: GW-101023-BE-036

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 22

Purge Vol: 5.000 mL

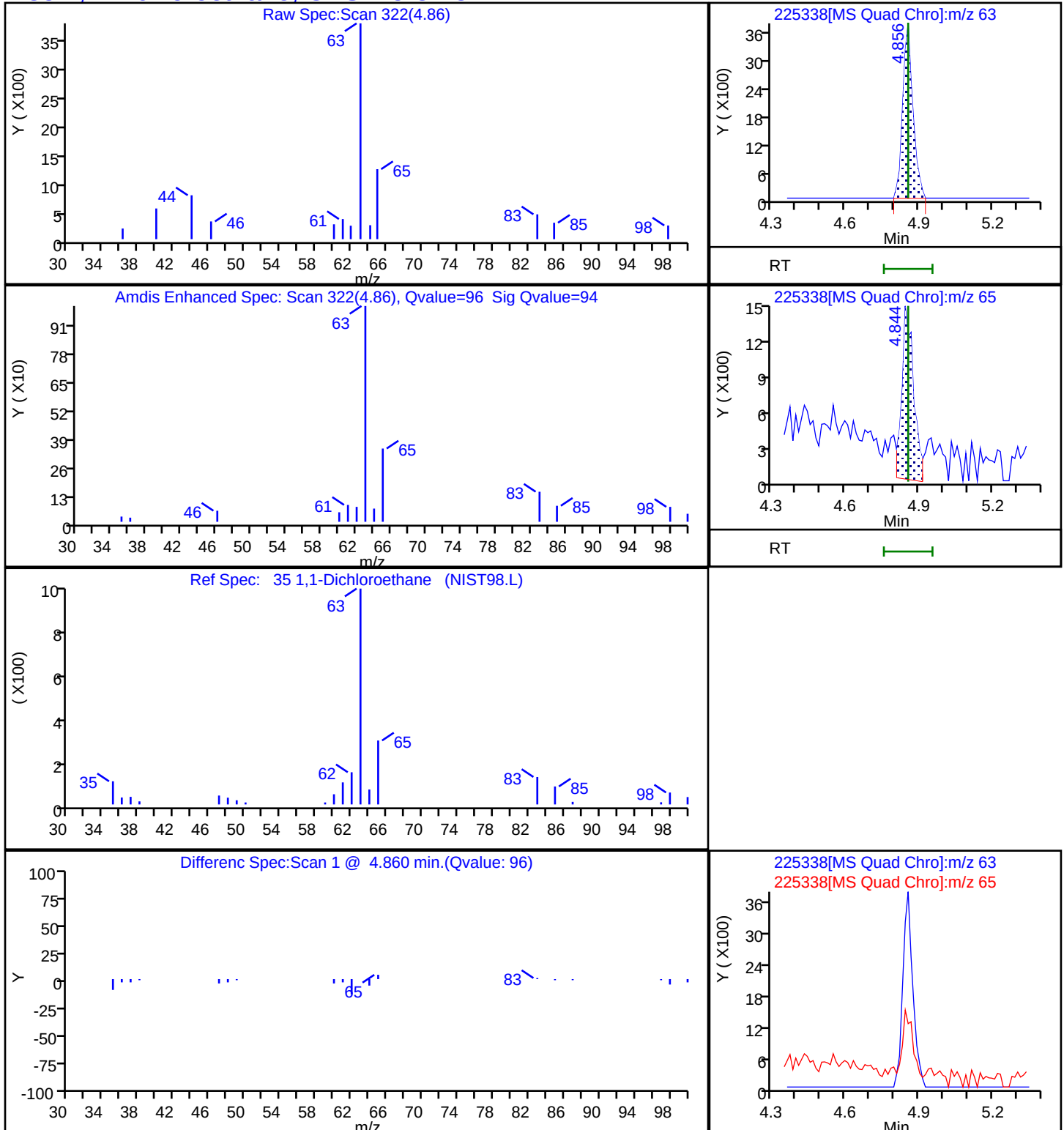
Dil. Factor: 100.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

35 1,1-Dichloroethane, CAS: 75-34-3

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225338.D

Injection Date: 22-Oct-2023 23:01:34

Instrument ID: A3UX22

Lims ID: 240-193522-B-15

Lab Sample ID: 240-193522-15

Client ID: GW-101023-BE-036

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 22

Purge Vol: 5.000 mL

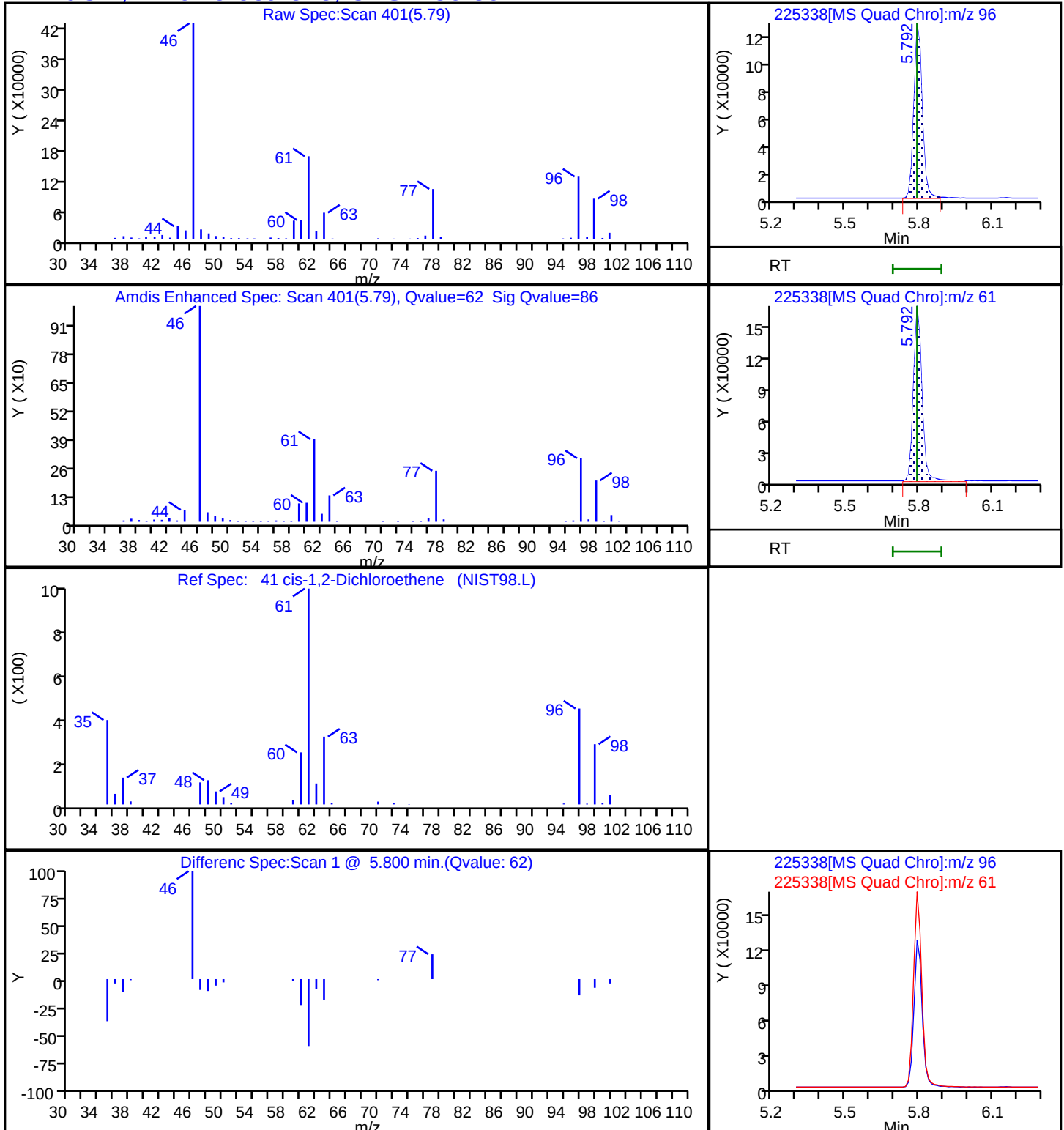
Dil. Factor: 100.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

41 cis-1,2-Dichloroethene, CAS: 156-59-2

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225338.D

Injection Date: 22-Oct-2023 23:01:34

Instrument ID: A3UX22

Lims ID: 240-193522-B-15

Lab Sample ID: 240-193522-15

Client ID: GW-101023-BE-036

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 22

Purge Vol: 5.000 mL

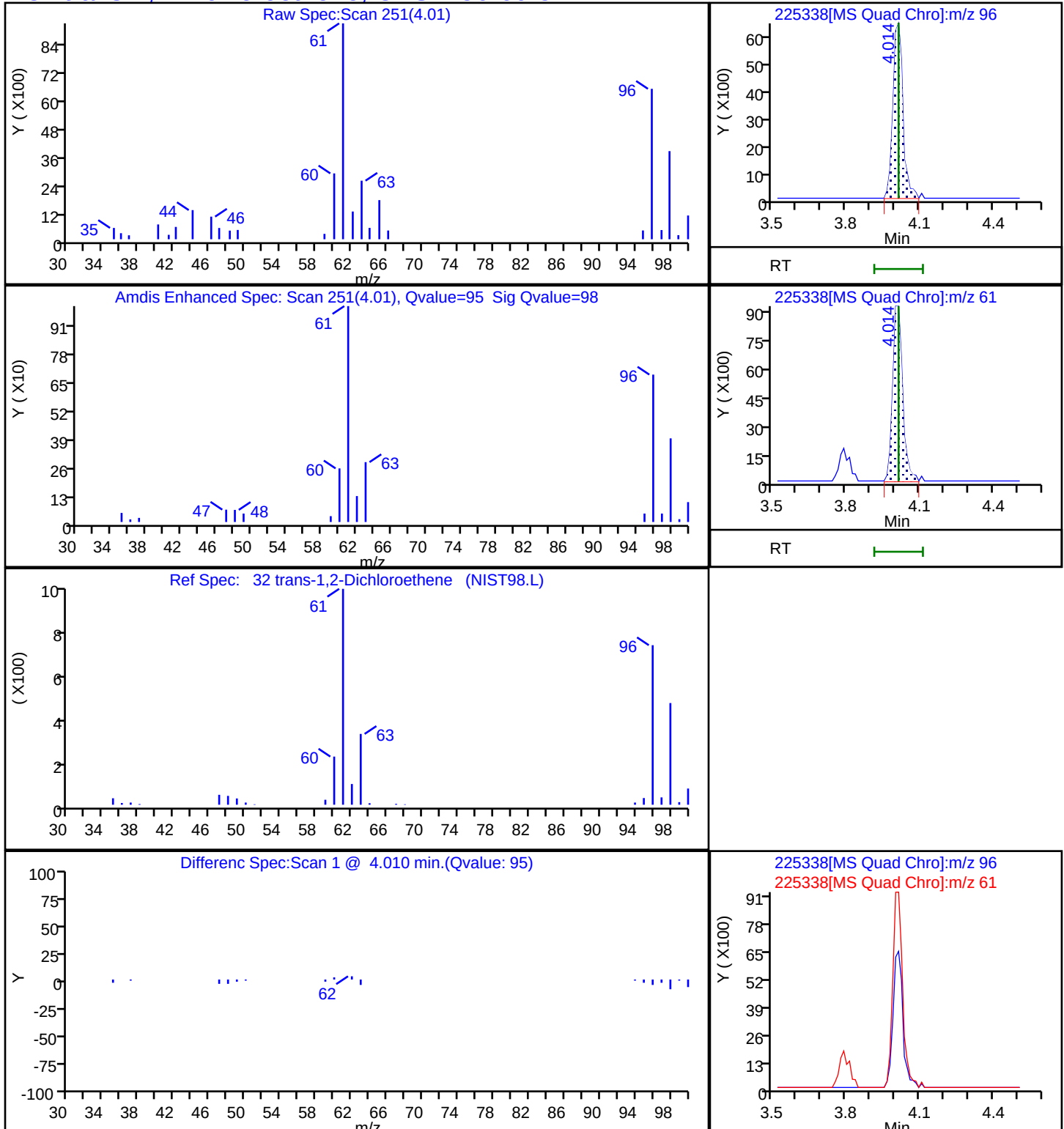
Dil. Factor: 100.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

32 trans-1,2-Dichloroethene, CAS: 156-60-5

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225338.D

Injection Date: 22-Oct-2023 23:01:34

Instrument ID: A3UX22

Lims ID: 240-193522-B-15

Lab Sample ID: 240-193522-15

Client ID: GW-101023-BE-036

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 22

Purge Vol: 5.000 mL

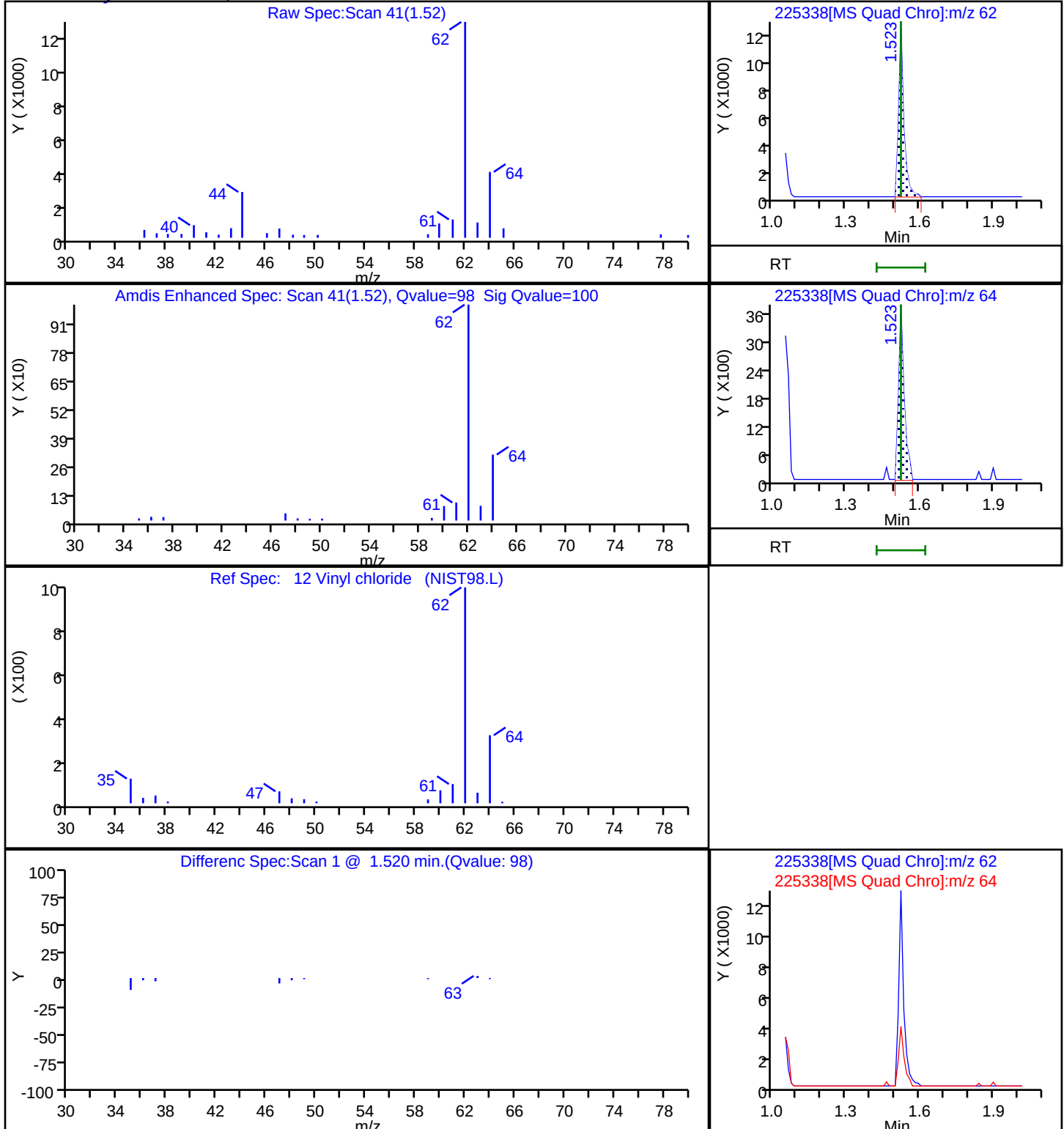
Dil. Factor: 100.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

12 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>GW-101023-BE-037</u>	Lab Sample ID: <u>240-193522-16</u>
Matrix: <u>Water</u>	Lab File ID: <u>225297.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/10/2023 16:04</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/20/2023 17:33</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591678</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.48
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.46
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
591-78-6	2-Hexanone	10	U	10	1.1
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
156-59-2	cis-1,2-Dichloroethene	0.81	J	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.42
78-93-3	2-Butanone (MEK)	10	U	10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	10	0.99
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
100-42-5	Styrene	1.0	U	1.0	0.45
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-01-4	Vinyl chloride	1.0	U	1.0	0.45
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: GW-101023-BE-037 Lab Sample ID: 240-193522-16
Matrix: Water Lab File ID: 225297.D
Analysis Method: 8260D Date Collected: 10/10/2023 16:04
Sample wt/vol: 5 (mL) Date Analyzed: 10/20/2023 17:33
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 591678 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		62-137
460-00-4	4-Bromofluorobenzene (Surr)	90		56-136
2037-26-5	Toluene-d8 (Surr)	94		78-122
1868-53-7	Dibromofluoromethane (Surr)	95		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225297.D
 Lims ID: 240-193522-B-16
 Client ID: GW-101023-BE-037
 Sample Type: Client
 Inject. Date: 20-Oct-2023 17:33:20 ALS Bottle#: 0 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134907-011
 Operator ID: 002808 Instrument ID: A3UX22
 Method: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 22-Oct-2023 15:07:24 Calib Date: 11-Sep-2023 18:19:34
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:03:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.263	7.251	0.012	99	1185470	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.394	0.000	87	863922	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	95	454298	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	292011	23.6	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	337597	25.5	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	94	1076112	23.5	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.437	11.437	0.000	95	374772	22.6	
10 Chloromethane	50		1.429				ND	
12 Vinyl chloride	62	1.535	1.523	0.012	94	2137	0.1602	
13 Bromomethane	94		1.856				ND	
15 Chloroethane	64		1.962				ND	U
20 1,1-Dichloroethene	96		2.864				ND	
22 Acetone	43	3.077	3.065	0.012	100	6220	0.9446	
25 Carbon disulfide	76		3.101				ND	7
29 Methylene Chloride	84		3.658				ND	
32 trans-1,2-Dichloroethene	96		4.014				ND	7
35 1,1-Dichloroethane	63		4.856				ND	
41 cis-1,2-Dichloroethene	96	5.793	5.793	0.000	38	9215	0.8091	
40 2-Butanone (MEK)	72		5.887				ND	
48 Chloroform	83		6.267				ND	
49 1,1,1-Trichloroethane	97		6.397				ND	
52 Carbon tetrachloride	117		6.552				ND	
54 Benzene	78		6.872				ND	7
55 1,2-Dichloroethane	62		7.014				ND	
59 Trichloroethene	130		7.666				ND	
62 1,2-Dichloropropane	63		7.975				ND	
66 Dichlorobromomethane	83		8.283				ND	
69 cis-1,3-Dichloropropene	75		8.781				ND	
70 4-Methyl-2-pentanone (MIBK)	43		8.947				ND	
71 Toluene	91		9.054				ND	7
72 trans-1,3-Dichloropropene	75		9.386				ND	
74 1,1,2-Trichloroethane	97		9.552				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
75 Tetrachloroethene	166		9.576				ND	
77 2-Hexanone	43		9.777				ND	
79 Chlorodibromomethane	129		9.884				ND	
83 Chlorobenzene	112		10.417				ND	
85 Ethylbenzene	106	10.500	10.500	0.000	95	1599	0.1042	
86 m-Xylene & p-Xylene	106	10.607	10.607	0.000	97	7027	0.3734	
87 o-Xylene	106		10.951				ND	
88 Styrene	104		10.975				ND	
89 Bromoform	173		11.165				ND	
93 1,1,2,2-Tetrachloroethane	83		11.580				ND	
S 128 Xylenes, Total	106				0		0.3734	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm25UX18IS_00009	Amount Added: 5.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225297.D

Injection Date: 20-Oct-2023 17:33:20

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: 240-193522-B-16

Lab Sample ID: 240-193522-16

Worklist Smp#: 11

Client ID: GW-101023-BE-037

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

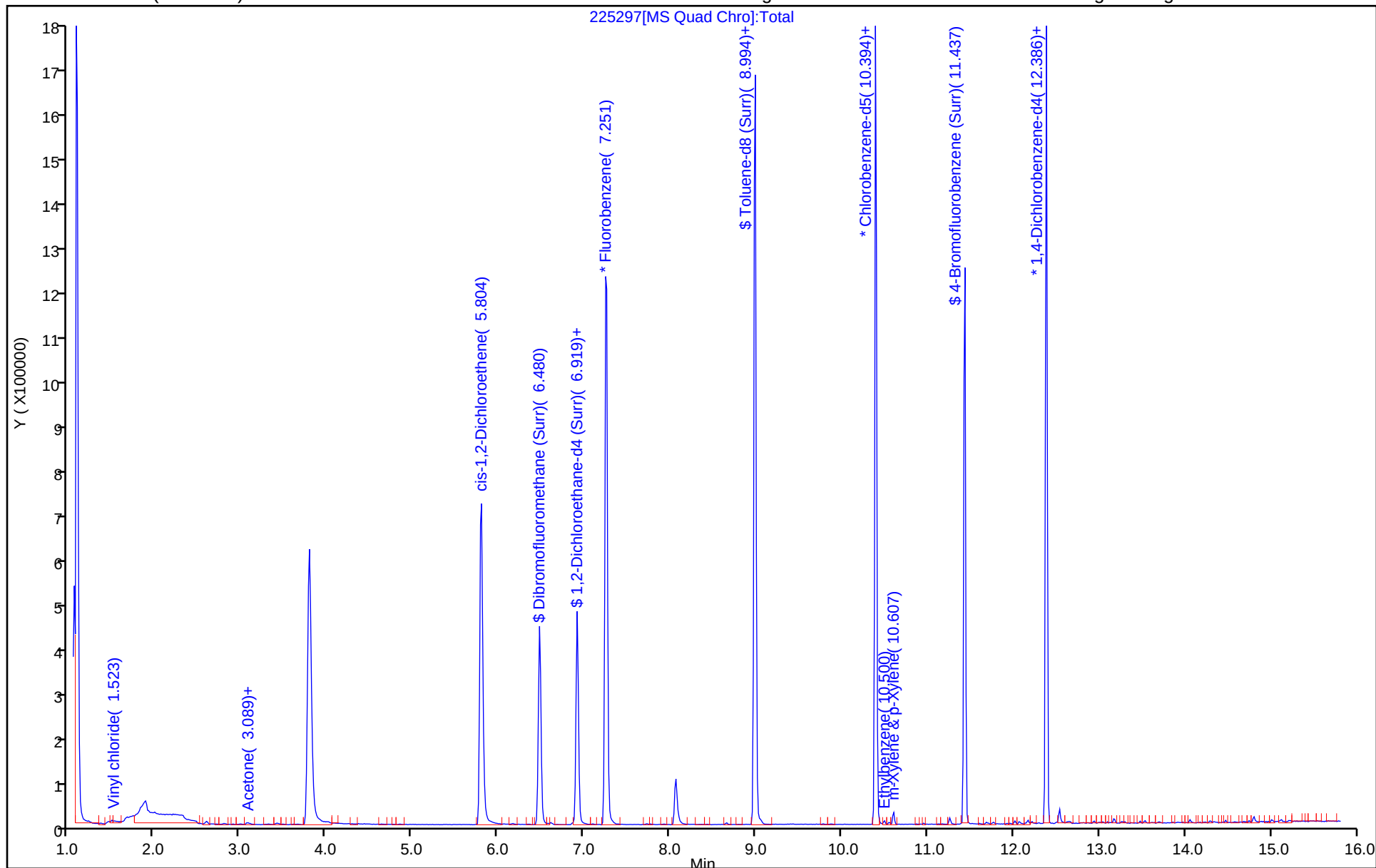
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225297.D
Lims ID: 240-193522-B-16
Client ID: GW-101023-BE-037
Sample Type: Client
Inject. Date: 20-Oct-2023 17:33:20 ALS Bottle#: 0 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0134907-011
Operator ID: 002808 Instrument ID: A3UX22
Method: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Oct-2023 15:07:24 Calib Date: 11-Sep-2023 18:19:34
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:03:22

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	23.6	94.52
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	25.5	102.05
\$ 6 Toluene-d8 (Surr)	25.0	23.5	93.83
\$ 7 4-Bromofluorobenzene (Surr)	25.0	22.6	90.27

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225297.D

Injection Date: 20-Oct-2023 17:33:20

Instrument ID: A3UX22

Lims ID: 240-193522-B-16

Lab Sample ID: 240-193522-16

Client ID: GW-101023-BE-037

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 11

Purge Vol: 5.000 mL

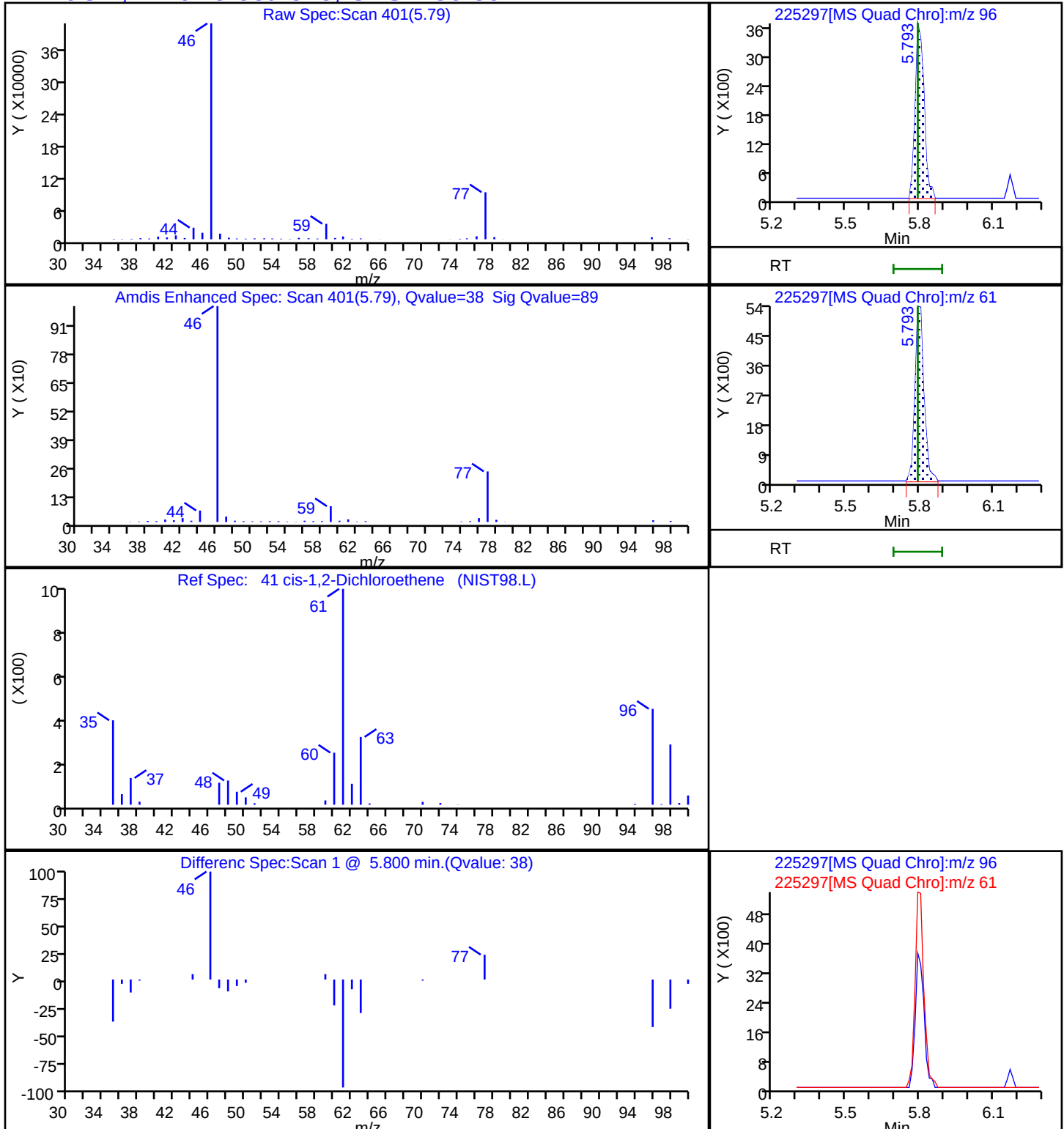
Dil. Factor: 1.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

41 cis-1,2-Dichloroethene, CAS: 156-59-2

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225297.D

Injection Date: 20-Oct-2023 17:33:20

Instrument ID: A3UX22

Lims ID: 240-193522-B-16

Lab Sample ID: 240-193522-16

Client ID: GW-101023-BE-037

Operator ID: 002808

ALS Bottle#:

0

Worklist Smp#: 11

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

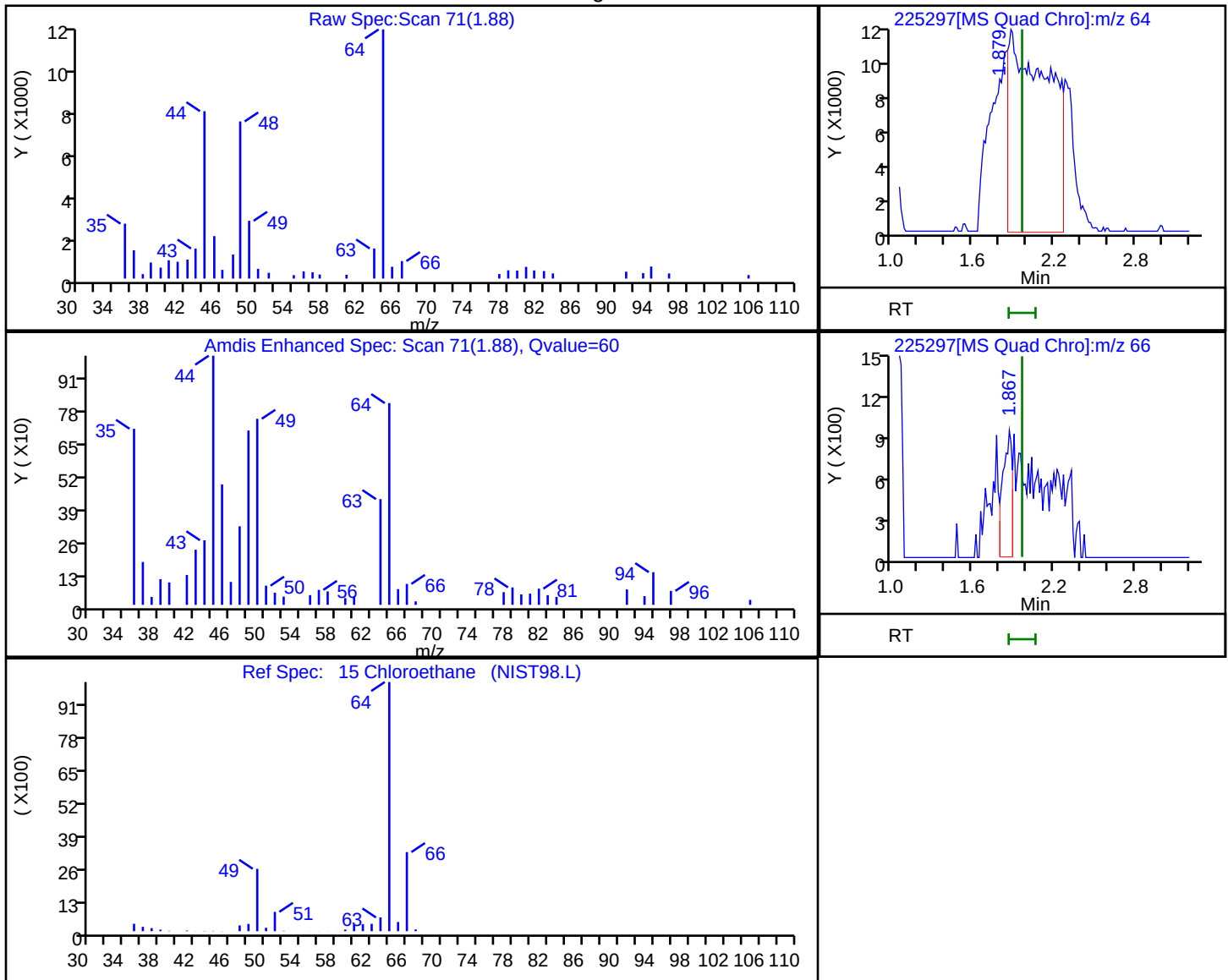
Column: DB-624 (0.18 mm)

Detector

MS SCAN

15 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
1.88	64.00	234060	32.975885
1.87	66.00	4148	

Reviewer: PHN3, 22-Oct-2023 13:02:29 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>GW-101123-BE-038</u>	Lab Sample ID: <u>240-193522-17</u>
Matrix: <u>Water</u>	Lab File ID: <u>225298.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/11/2023 09:10</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/20/2023 17:56</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591678</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.48
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.46
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
591-78-6	2-Hexanone	10	U	10	1.1
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.42
78-93-3	2-Butanone (MEK)	10	U	10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	10	0.99
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
100-42-5	Styrene	1.0	U	1.0	0.45
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-01-4	Vinyl chloride	1.0	U	1.0	0.45
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: GW-101123-BE-038 Lab Sample ID: 240-193522-17
Matrix: Water Lab File ID: 225298.D
Analysis Method: 8260D Date Collected: 10/11/2023 09:10
Sample wt/vol: 5 (mL) Date Analyzed: 10/20/2023 17:56
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 591678 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		62-137
460-00-4	4-Bromofluorobenzene (Surr)	90		56-136
2037-26-5	Toluene-d8 (Surr)	92		78-122
1868-53-7	Dibromofluoromethane (Surr)	95		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225298.D
 Lims ID: 240-193522-C-17
 Client ID: GW-101123-BE-038
 Sample Type: Client
 Inject. Date: 20-Oct-2023 17:56:58 ALS Bottle#: 0 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134907-012
 Operator ID: 002808 Instrument ID: A3UX22
 Method: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 22-Oct-2023 15:07:24 Calib Date: 11-Sep-2023 18:19:34
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:05:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.251	7.251	0.000	98	1207837	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.394	0.000	87	885161	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	95	465100	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	297929	23.7	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	345995	25.7	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	94	1084764	23.1	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.437	11.437	0.000	96	381903	22.4	
10 Chloromethane	50		1.429				ND	
12 Vinyl chloride	62		1.523				ND	
13 Bromomethane	94	1.867	1.856	0.011	89	1291	0.2181	
15 Chloroethane	64		1.962				ND	U
20 1,1-Dichloroethene	96		2.864				ND	
22 Acetone	43	3.065	3.065	0.000	99	6277	0.9357	
25 Carbon disulfide	76		3.101				ND	
29 Methylene Chloride	84		3.658				ND	
32 trans-1,2-Dichloroethene	96		4.014				ND	
35 1,1-Dichloroethane	63		4.856				ND	
41 cis-1,2-Dichloroethene	96	5.792	5.793	-0.001	38	1437	0.1238	
40 2-Butanone (MEK)	72		5.887				ND	
48 Chloroform	83		6.267				ND	
49 1,1,1-Trichloroethane	97		6.397				ND	
52 Carbon tetrachloride	117		6.552				ND	
54 Benzene	78		6.872				ND	7
55 1,2-Dichloroethane	62		7.014				ND	
59 Trichloroethene	130	7.666	7.666	0.000	94	1302	0.1071	
62 1,2-Dichloropropane	63		7.975				ND	
66 Dichlorobromomethane	83		8.283				ND	
69 cis-1,3-Dichloropropene	75		8.781				ND	
70 4-Methyl-2-pentanone (MIBK)	43		8.947				ND	
71 Toluene	91		9.054				ND	7
72 trans-1,3-Dichloropropene	75		9.386				ND	
74 1,1,2-Trichloroethane	97		9.552				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
75 Tetrachloroethene	166		9.576				ND	
77 2-Hexanone	43		9.777				ND	
79 Chlorodibromomethane	129		9.884				ND	
83 Chlorobenzene	112		10.417				ND	
85 Ethylbenzene	106		10.500				ND	
86 m-Xylene & p-Xylene	106	10.607	10.607	0.000	96	3155	0.1636	
87 o-Xylene	106		10.951				ND	
88 Styrene	104		10.975				ND	
89 Bromoform	173		11.165				ND	
93 1,1,2,2-Tetrachloroethane	83		11.580				ND	
S 128 Xylenes, Total	106				0		0.1636	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm25UX18IS_00009	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 22-Oct-2023 15:07:36

Chrom Revision: 2.3 22-Sep-2023 11:33:50

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225298.D

Injection Date: 20-Oct-2023 17:56:58

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: 240-193522-C-17

Lab Sample ID: 240-193522-17

Worklist Smp#: 12

Client ID: GW-101123-BE-038

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

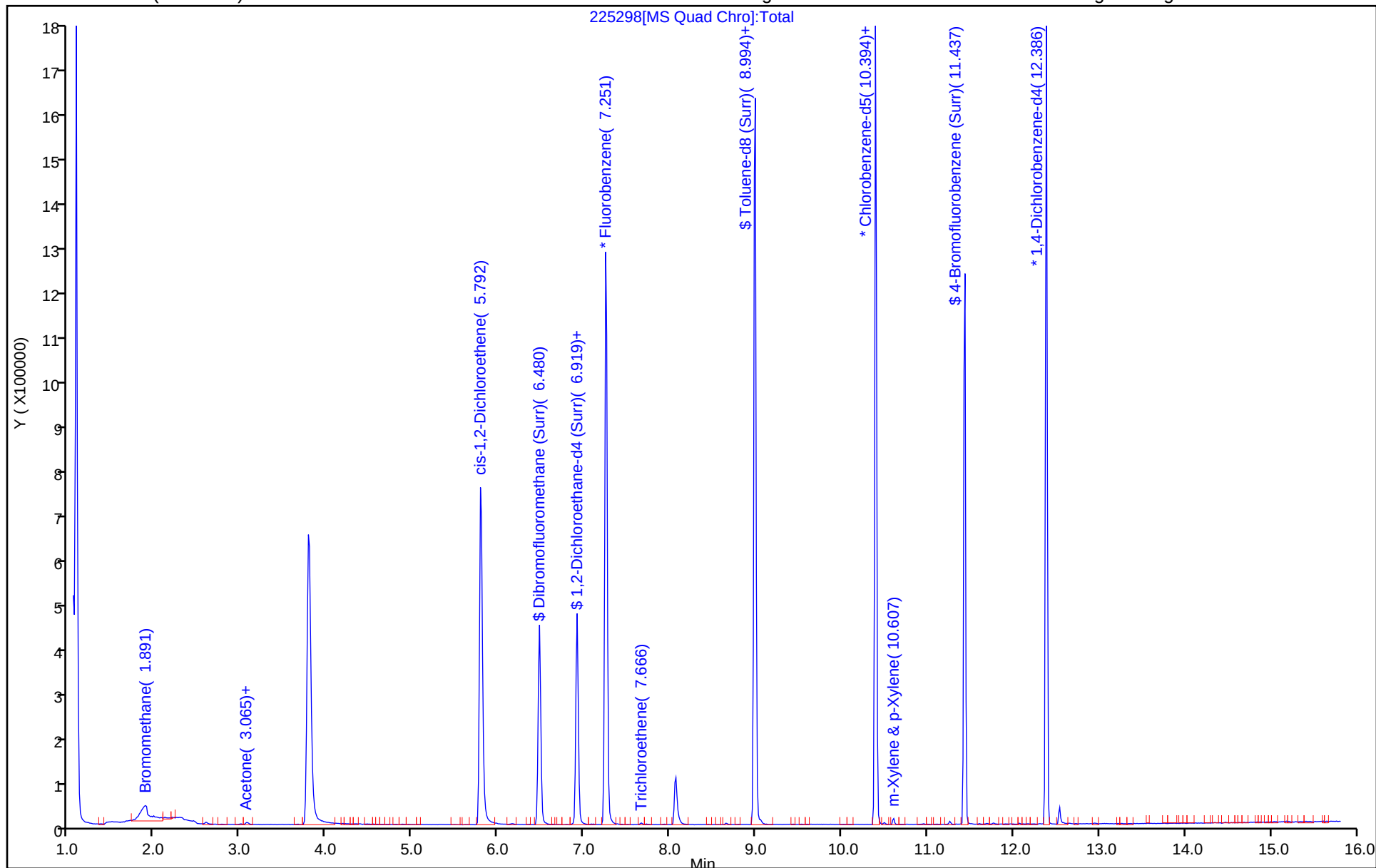
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225298.D
Lims ID: 240-193522-C-17
Client ID: GW-101123-BE-038
Sample Type: Client
Inject. Date: 20-Oct-2023 17:56:58 ALS Bottle#: 0 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0134907-012
Operator ID: 002808 Instrument ID: A3UX22
Method: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Oct-2023 15:07:24 Calib Date: 11-Sep-2023 18:19:34
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:05:25

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	23.7	94.65
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	25.7	102.66
\$ 6 Toluene-d8 (Surr)	25.0	23.1	92.31
\$ 7 4-Bromofluorobenzene (Surr)	25.0	22.4	89.78

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225298.D

Injection Date: 20-Oct-2023 17:56:58

Instrument ID: A3UX22

Lims ID: 240-193522-C-17

Lab Sample ID: 240-193522-17

Client ID: GW-101123-BE-038

Operator ID: 002808

ALS Bottle#:

0

Worklist Smp#: 12

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

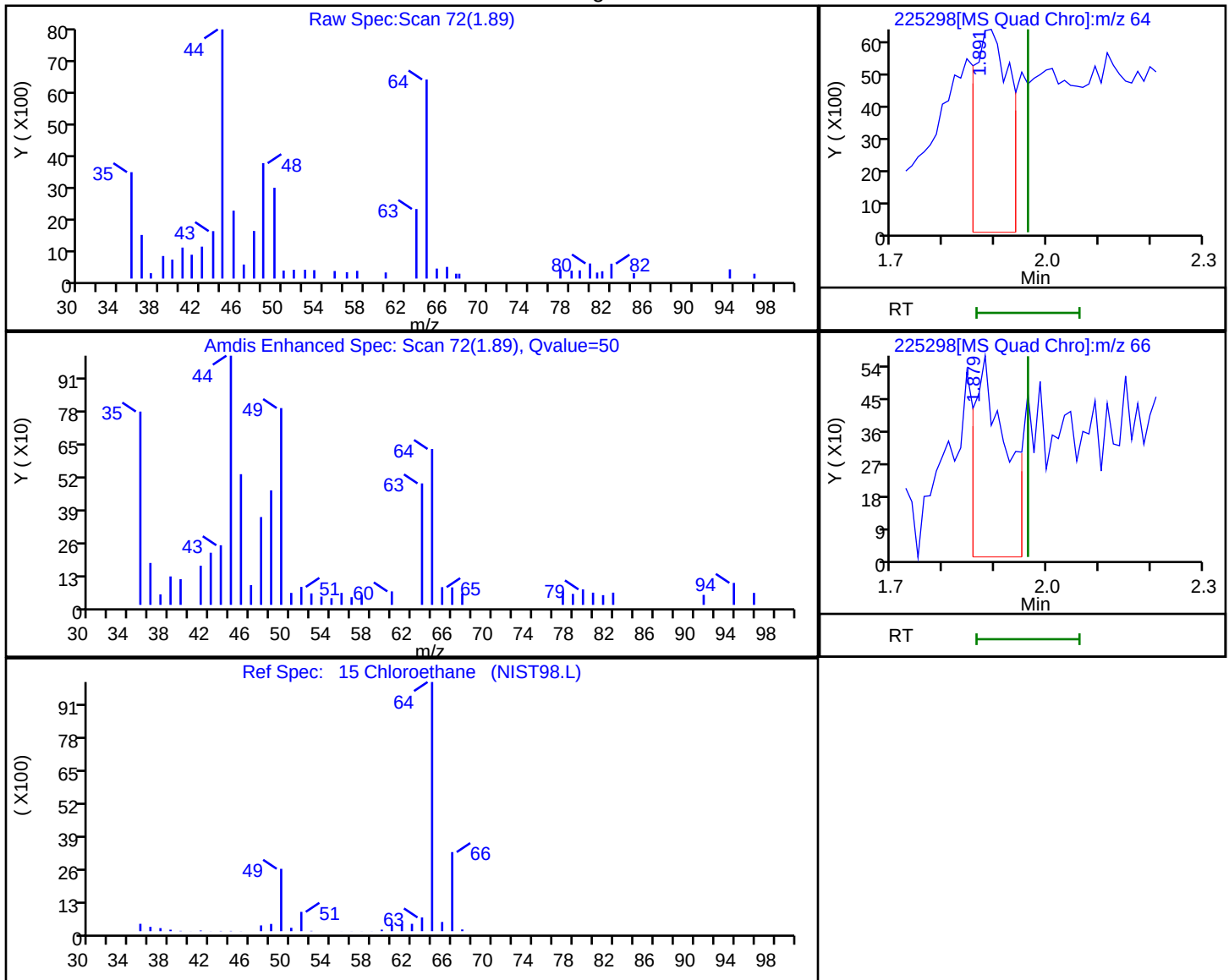
Column: DB-624 (0.18 mm)

Detector

MS SCAN

15 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
1.89	64.00	30738	4.250374
1.88	66.00	2423	

Reviewer: PHN3, 22-Oct-2023 13:03:42 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>GW-101123-BE-039</u>	Lab Sample ID: <u>240-193522-18</u>
Matrix: <u>Water</u>	Lab File ID: <u>225299.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/11/2023 10:45</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/20/2023 18:21</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>50</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591678</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	50	U	50	24
79-34-5	1,1,2,2-Tetrachloroethane	50	U	50	30
79-00-5	1,1,2-Trichloroethane	50	U	50	24
75-34-3	1,1-Dichloroethane	140		50	24
75-35-4	1,1-Dichloroethene	32	J	50	25
107-06-2	1,2-Dichloroethane	50	U	50	23
78-87-5	1,2-Dichloropropane	50	U	50	24
591-78-6	2-Hexanone	500	U	500	56
67-64-1	Acetone	500	U	500	270
71-43-2	Benzene	50	U	50	21
75-25-2	Bromoform	50	U	50	38
74-83-9	Bromomethane	50	U	50	21
75-15-0	Carbon disulfide	50	U	50	30
56-23-5	Carbon tetrachloride	50	U	50	13
108-90-7	Chlorobenzene	50	U	50	19
75-00-3	Chloroethane	200		50	42
67-66-3	Chloroform	50	U	50	24
74-87-3	Chloromethane	50	U	50	32
10061-01-5	cis-1,3-Dichloropropene	50	U	50	31
75-27-4	Dichlorobromomethane	50	U	50	19
100-41-4	Ethylbenzene	50	U	50	21
78-93-3	2-Butanone (MEK)	500	U	500	58
108-10-1	4-Methyl-2-pentanone (MIBK)	500	U	500	50
75-09-2	Methylene Chloride	250	U	250	130
100-42-5	Styrene	50	U	50	23
127-18-4	Tetrachloroethene	50	U	50	22
108-88-3	Toluene	50	U	50	22
156-60-5	trans-1,2-Dichloroethene	180		50	26
10061-02-6	trans-1,3-Dichloropropene	50	U	50	34
79-01-6	Trichloroethene	50	U	50	22
75-01-4	Vinyl chloride	320		50	23
1330-20-7	Xylenes, Total	100	U	100	21
124-48-1	Chlorodibromomethane	50	U	50	20

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: GW-101123-BE-039 Lab Sample ID: 240-193522-18
Matrix: Water Lab File ID: 225299.D
Analysis Method: 8260D Date Collected: 10/11/2023 10:45
Sample wt/vol: 5 (mL) Date Analyzed: 10/20/2023 18:21
Soil Aliquot Vol: _____ Dilution Factor: 50
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 591678 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		62-137
460-00-4	4-Bromofluorobenzene (Surr)	90		56-136
2037-26-5	Toluene-d8 (Surr)	94		78-122
1868-53-7	Dibromofluoromethane (Surr)	92		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225299.D
 Lims ID: 240-193522-C-18
 Client ID: GW-101123-BE-039
 Sample Type: Client
 Inject. Date: 20-Oct-2023 18:21:02 ALS Bottle#: 0 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 50.0000
 Sample Info: 240-0134907-013
 Operator ID: 002808 Instrument ID: A3UX22
 Method: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 22-Oct-2023 15:07:24 Calib Date: 11-Sep-2023 18:19:34
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:08:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.251	7.251	0.000	98	1159439	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.394	0.000	87	823886	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	95	438430	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	279170	23.1	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	325681	25.2	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	94	1024186	23.4	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.437	11.437	0.000	94	354614	22.4	
10 Chloromethane	50		1.429				ND	
12 Vinyl chloride	62	1.523	1.523	0.000	99	82440	6.32	
13 Bromomethane	94	1.855	1.856	-0.001	76	1824	0.3211	
15 Chloroethane	64	1.891	1.962	-0.071	54	27573	3.97	
20 1,1-Dichloroethene	96	2.863	2.864	-0.001	98	5562	0.6361	
22 Acetone	43	3.077	3.065	0.012	96	6675	1.04	
25 Carbon disulfide	76		3.101				ND	
29 Methylene Chloride	84		3.658				ND	7
32 trans-1,2-Dichloroethene	96	4.014	4.014	0.000	98	36360	3.56	
35 1,1-Dichloroethane	63	4.856	4.856	0.000	97	53912	2.86	
41 cis-1,2-Dichloroethene	96	5.804	5.793	0.011	81	1192205	107.0	E
40 2-Butanone (MEK)	72		5.887				ND	
48 Chloroform	83	6.267	6.267	0.000	88	2671	0.1449	
49 1,1,1-Trichloroethane	97		6.397				ND	
52 Carbon tetrachloride	117		6.552				ND	
54 Benzene	78		6.872				ND	
55 1,2-Dichloroethane	62		7.014				ND	
59 Trichloroethene	130		7.666				ND	
62 1,2-Dichloropropane	63		7.975				ND	
66 Dichlorobromomethane	83	8.283	8.283	0.000	90	1437	0.1107	
69 cis-1,3-Dichloropropene	75		8.781				ND	
70 4-Methyl-2-pentanone (MIBK)	43		8.947				ND	
71 Toluene	91		9.054				ND	7
72 trans-1,3-Dichloropropene	75		9.386				ND	
74 1,1,2-Trichloroethane	97		9.552				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
75 Tetrachloroethene	166		9.576				ND	
77 2-Hexanone	43		9.777				ND	
79 Chlorodibromomethane	129		9.884				ND	
83 Chlorobenzene	112		10.417				ND	
85 Ethylbenzene	106		10.500				ND	
86 m-Xylene & p-Xylene	106	10.607	10.607	0.000	97	1905	0.1062	
87 o-Xylene	106		10.951				ND	
88 Styrene	104		10.975				ND	
89 Bromoform	173		11.165				ND	
93 1,1,2,2-Tetrachloroethane	83		11.580				ND	
S 128 Xylenes, Total	106				0		0.1062	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Reagents:

vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm25UX18IS_00009	Amount Added: 5.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225299.D

Injection Date: 20-Oct-2023 18:21:02

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: 240-193522-C-18

Lab Sample ID: 240-193522-18

Worklist Smp#: 13

Client ID: GW-101123-BE-039

Purge Vol: 5.000 mL

Dil. Factor: 50.0000

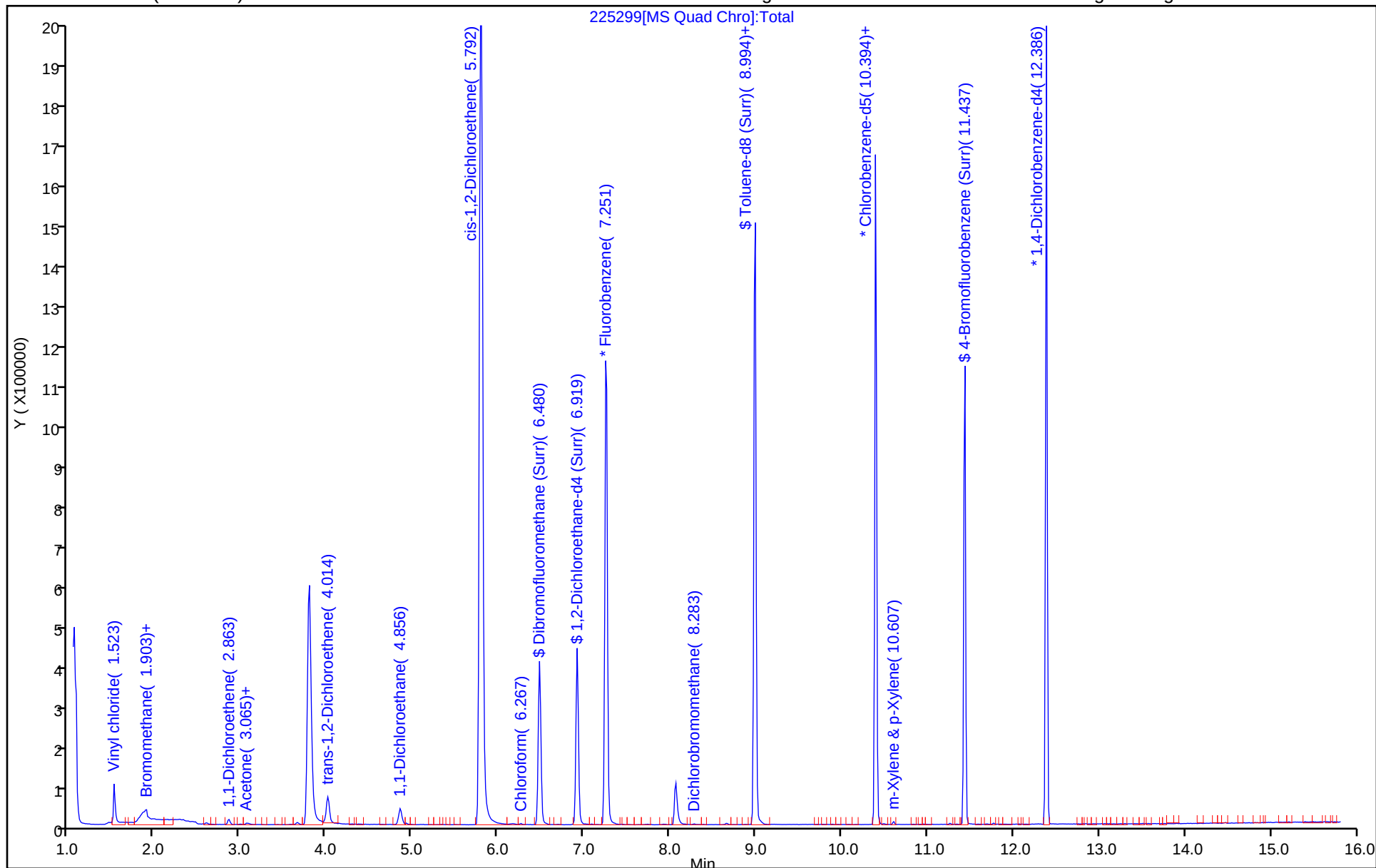
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225299.D
Lims ID: 240-193522-C-18
Client ID: GW-101123-BE-039
Sample Type: Client
Inject. Date: 20-Oct-2023 18:21:02 ALS Bottle#: 0 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 50.0000
Sample Info: 240-0134907-013
Operator ID: 002808 Instrument ID: A3UX22
Method: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Oct-2023 15:07:24 Calib Date: 11-Sep-2023 18:19:34
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:08:14

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	23.1	92.39
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	25.2	100.66
\$ 6 Toluene-d8 (Surr)	25.0	23.4	93.64
\$ 7 4-Bromofluorobenzene (Surr)	25.0	22.4	89.57

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225299.D

Injection Date: 20-Oct-2023 18:21:02

Instrument ID: A3UX22

Lims ID: 240-193522-C-18

Lab Sample ID: 240-193522-18

Client ID: GW-101123-BE-039

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 13

Purge Vol: 5.000 mL

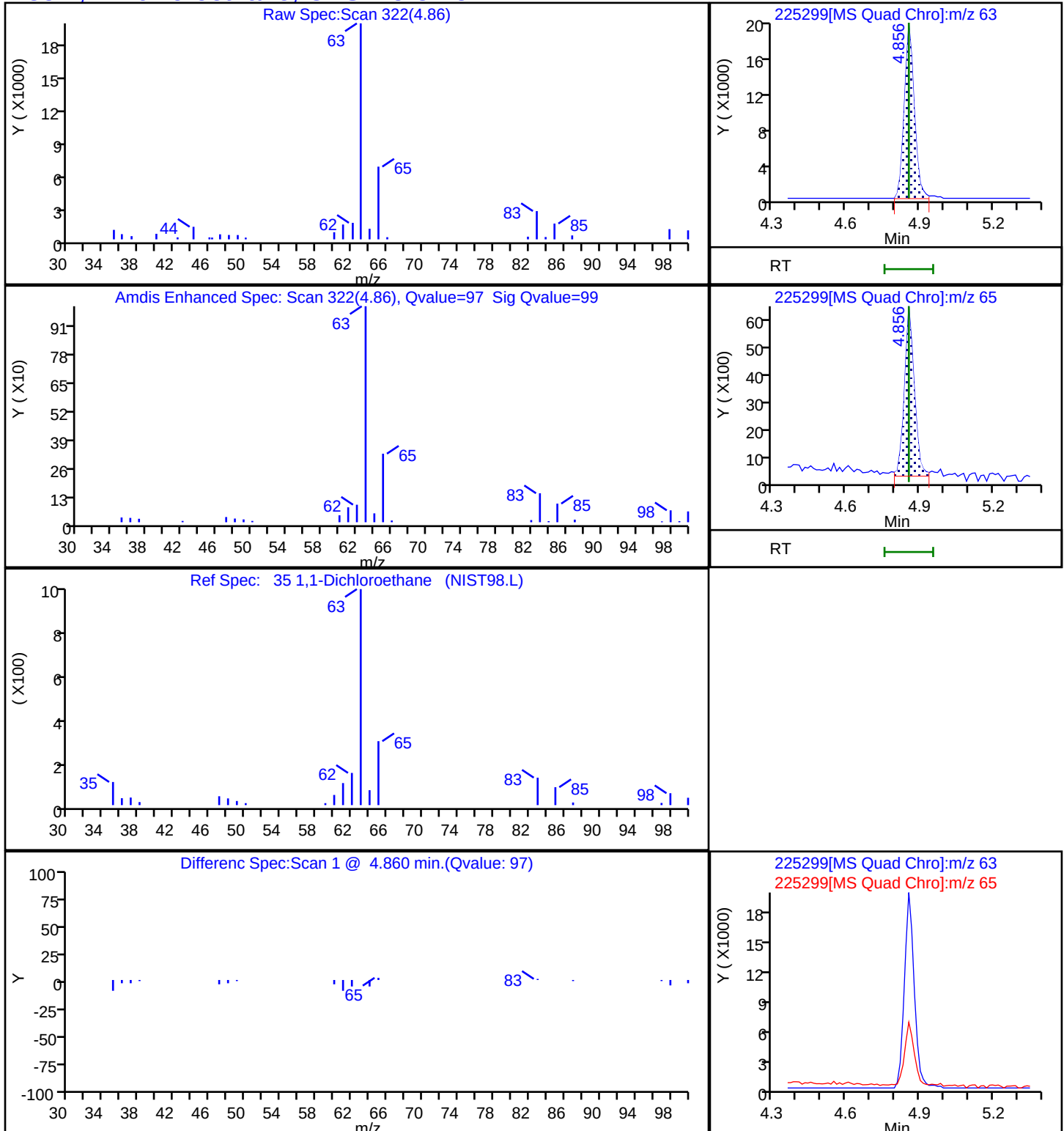
Dil. Factor: 50.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

35 1,1-Dichloroethane, CAS: 75-34-3

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225299.D

Injection Date: 20-Oct-2023 18:21:02

Instrument ID: A3UX22

Lims ID: 240-193522-C-18

Lab Sample ID: 240-193522-18

Client ID: GW-101123-BE-039

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 13

Purge Vol: 5.000 mL

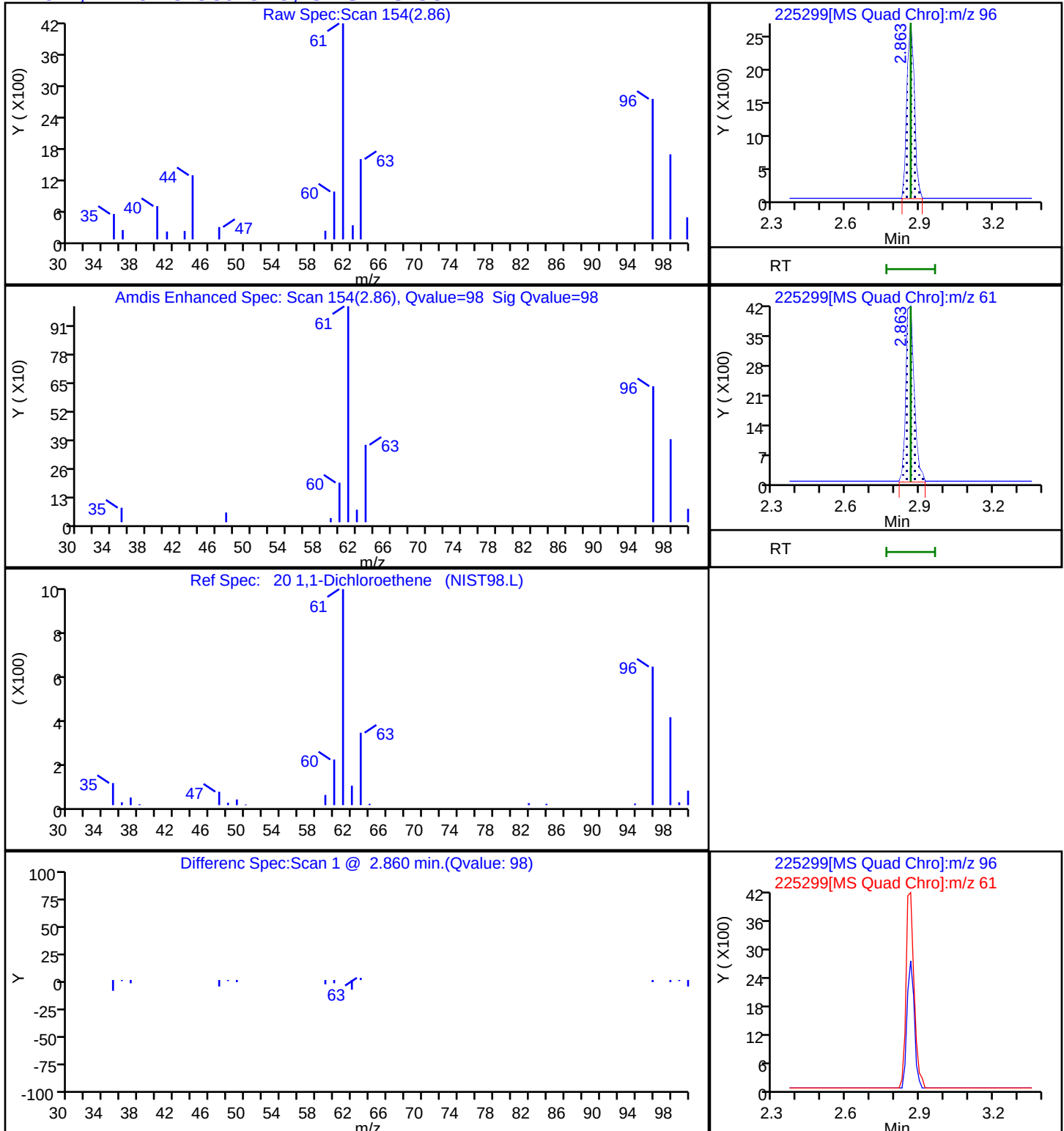
Dil. Factor: 50.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

20 1,1-Dichloroethene, CAS: 75-35-4

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225299.D

Injection Date: 20-Oct-2023 18:21:02

Instrument ID: A3UX22

Lims ID: 240-193522-C-18

Lab Sample ID: 240-193522-18

Client ID: GW-101123-BE-039

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 13

Purge Vol: 5.000 mL

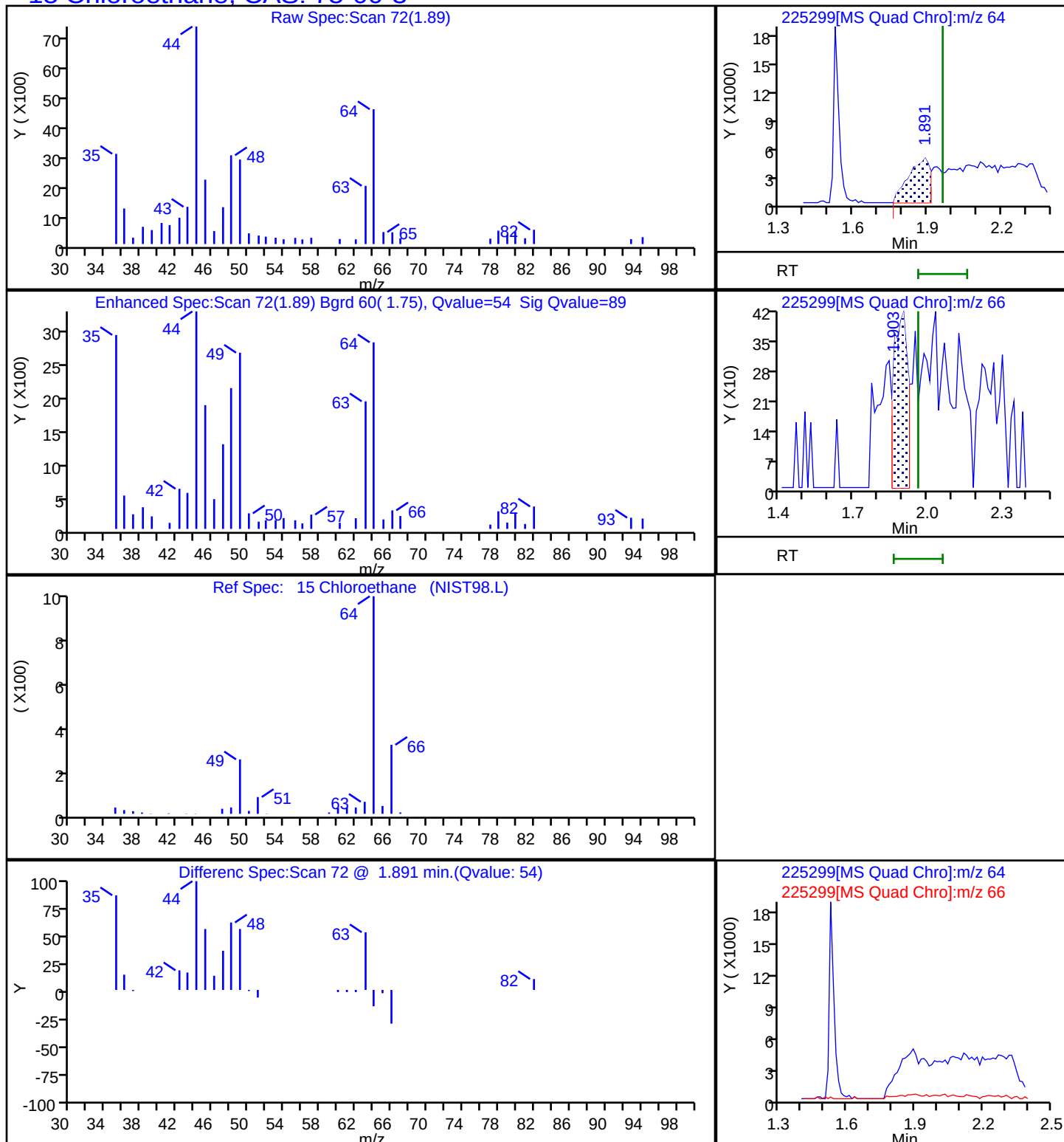
Dil. Factor: 50.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

15 Chloroethane, CAS: 75-00-3

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225299.D

Injection Date: 20-Oct-2023 18:21:02

Instrument ID: A3UX22

Lims ID: 240-193522-C-18

Lab Sample ID: 240-193522-18

Client ID: GW-101123-BE-039

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 13

Purge Vol: 5.000 mL

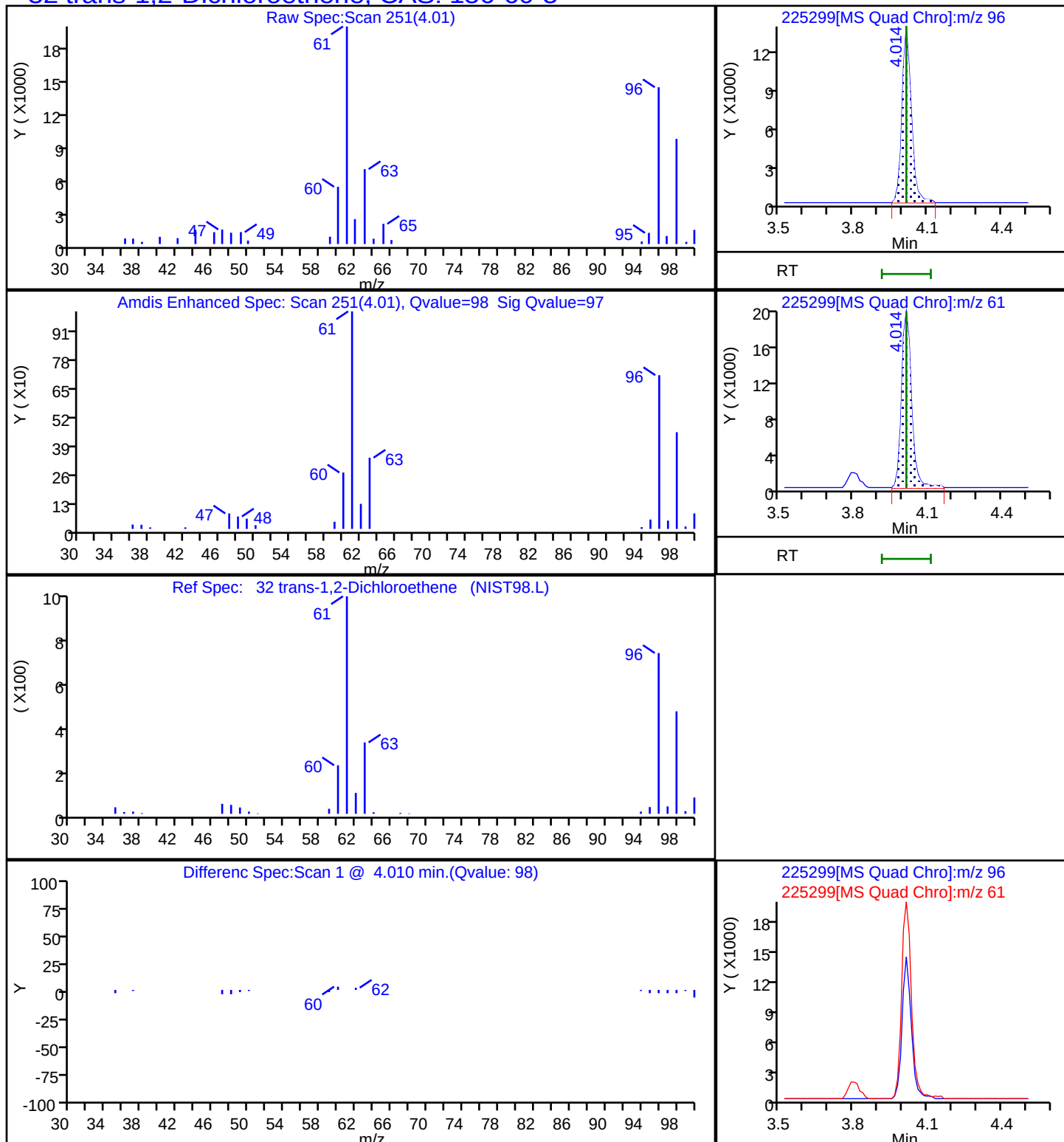
Dil. Factor: 50.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

32 trans-1,2-Dichloroethene, CAS: 156-60-5

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225299.D

Injection Date: 20-Oct-2023 18:21:02

Instrument ID: A3UX22

Lims ID: 240-193522-C-18

Lab Sample ID: 240-193522-18

Client ID: GW-101123-BE-039

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 13

Purge Vol: 5.000 mL

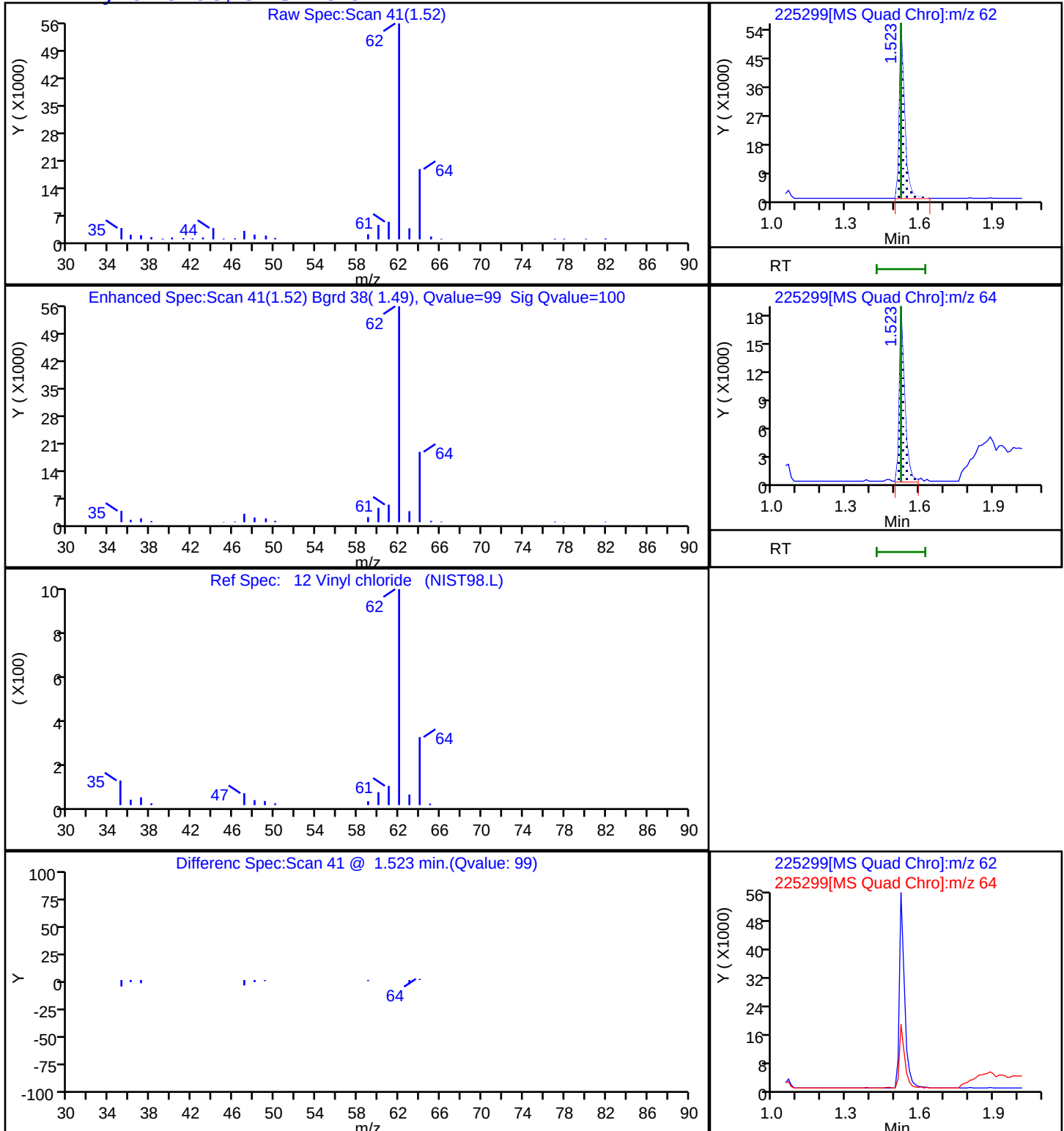
Dil. Factor: 50.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

12 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>GW-101123-BE-039</u>	Lab Sample ID: <u>240-193522-18</u>
Matrix: <u>Water</u>	Lab File ID: <u>225339.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/11/2023 10:45</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/22/2023 23:25</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>200</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591760</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-59-2	cis-1,2-Dichloroethene	5500		200	92

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		62-137
460-00-4	4-Bromofluorobenzene (Surr)	86		56-136
2037-26-5	Toluene-d8 (Surr)	90		78-122
1868-53-7	Dibromofluoromethane (Surr)	96		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225339.D
 Lims ID: 240-193522-B-18
 Client ID: GW-101123-BE-039
 Sample Type: Client
 Inject. Date: 22-Oct-2023 23:25:11 ALS Bottle#: 0 Worklist Smp#: 23
 Purge Vol: 5.000 mL Dil. Factor: 200.0000
 Sample Info: 240-0134937-023
 Operator ID: 002808 Instrument ID: A3UX22
 Method: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 23-Oct-2023 12:00:02 Calib Date: 11-Sep-2023 18:19:34
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1668

First Level Reviewer: PHN3

Date: 23-Oct-2023 11:52:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.251	7.251	0.000	98	1092756	25.0	
* 2 Chlorobenzene-d5	117	10.393	10.394	-0.001	87	813530	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	95	434116	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	273197	24.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	308542	25.3	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	94	968446	22.4	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.437	11.437	0.000	96	335899	21.5	
10 Chloromethane	50		1.428				ND	
12 Vinyl chloride	62	1.523	1.523	0.000	99	18434	1.50	
13 Bromomethane	94		1.855				ND	
15 Chloroethane	64		1.962				ND	
20 1,1-Dichloroethene	96	2.863	2.863	0.000	95	1292	0.1568	
22 Acetone	43	3.065	3.065	0.000	100	11471	1.89	
25 Carbon disulfide	76		3.101				ND	
29 Methylene Chloride	84		3.658				ND	
32 trans-1,2-Dichloroethene	96	4.013	4.014	-0.001	98	8643	0.8986	
35 1,1-Dichloroethane	63	4.855	4.856	-0.001	95	12723	0.7165	
41 cis-1,2-Dichloroethene	96	5.792	5.792	0.000	62	286927	27.3	
40 2-Butanone (MEK)	72		5.887				ND	
48 Chloroform	83		6.267				ND	
49 1,1,1-Trichloroethane	97		6.397				ND	
52 Carbon tetrachloride	117		6.551				ND	
54 Benzene	78		6.872				ND	
55 1,2-Dichloroethane	62		7.014				ND	
59 Trichloroethene	130		7.666				ND	
62 1,2-Dichloropropane	63		7.974				ND	
66 Dichlorobromomethane	83		8.283				ND	
69 cis-1,3-Dichloropropene	75		8.781				ND	
70 4-Methyl-2-pentanone (MIBK)	43		8.947				ND	
71 Toluene	91		9.054				ND	7
72 trans-1,3-Dichloropropene	75		9.386				ND	
74 1,1,2-Trichloroethane	97		9.552				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
75 Tetrachloroethene	166		9.575				ND	
77 2-Hexanone	43		9.777				ND	
79 Chlorodibromomethane	129		9.884				ND	
83 Chlorobenzene	112		10.417				ND	
85 Ethylbenzene	106		10.500				ND	
86 m-Xylene & p-Xylene	106		10.607				ND	
87 o-Xylene	106		10.951				ND	
88 Styrene	104		10.975				ND	
89 Bromoform	173		11.164				ND	
93 1,1,2,2-Tetrachloroethane	83		11.579				ND	
S 128 Xylenes, Total	106		16.520				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm25UX18IS_00009	Amount Added: 5.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225339.D

Injection Date: 22-Oct-2023 23:25:11

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: 240-193522-B-18

Lab Sample ID: 240-193522-18

Worklist Smp#: 23

Client ID: GW-101123-BE-039

Purge Vol: 5.000 mL

Dil. Factor: 200.0000

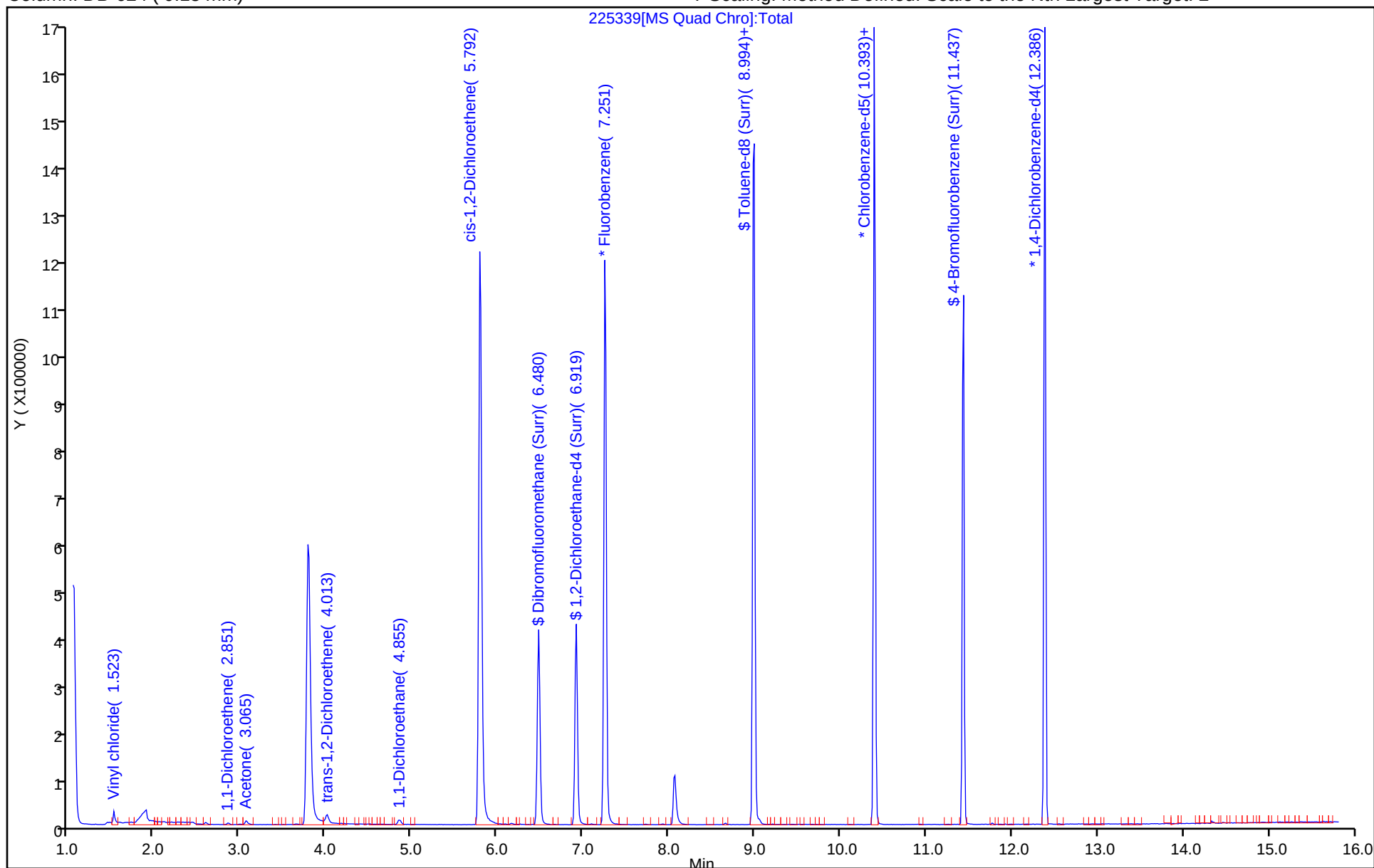
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225339.D
 Lims ID: 240-193522-B-18
 Client ID: GW-101123-BE-039
 Sample Type: Client
 Inject. Date: 22-Oct-2023 23:25:11 ALS Bottle#: 0 Worklist Smp#: 23
 Purge Vol: 5.000 mL Dil. Factor: 200.0000
 Sample Info: 240-0134937-023
 Operator ID: 002808 Instrument ID: A3UX22
 Method: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 23-Oct-2023 12:00:02 Calib Date: 11-Sep-2023 18:19:34
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1668

First Level Reviewer: PHN3

Date: 23-Oct-2023 11:52:26

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	24.0	95.93
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	25.3	101.18
\$ 6 Toluene-d8 (Surr)	25.0	22.4	89.67
\$ 7 4-Bromofluorobenzene (Surr)	25.0	21.5	85.92

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225339.D

Injection Date: 22-Oct-2023 23:25:11

Instrument ID: A3UX22

Lims ID: 240-193522-B-18

Lab Sample ID: 240-193522-18

Client ID: GW-101123-BE-039

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 23

Purge Vol: 5.000 mL

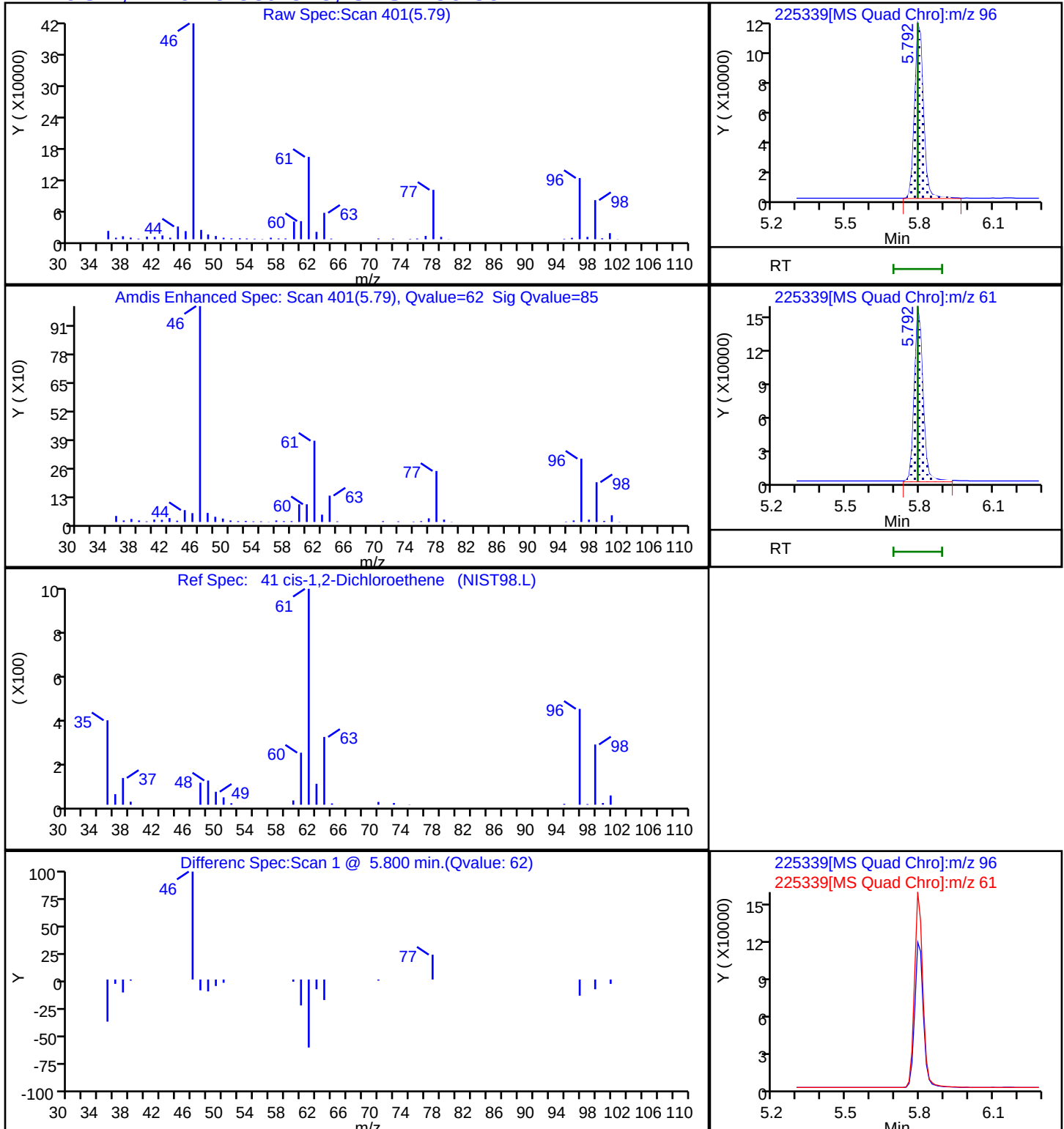
Dil. Factor: 200.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

41 cis-1,2-Dichloroethene, CAS: 156-59-2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>SW-101123-BE-001</u>	Lab Sample ID: <u>240-193522-19</u>
Matrix: <u>Water</u>	Lab File ID: <u>225300.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/11/2023 11:07</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/20/2023 18:45</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>5</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591678</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	5.0	U	5.0	2.4
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	5.0	3.0
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	2.4
75-34-3	1,1-Dichloroethane	4.6	J	5.0	2.4
75-35-4	1,1-Dichloroethene	5.0	U	5.0	2.5
107-06-2	1,2-Dichloroethane	5.0	U	5.0	2.3
78-87-5	1,2-Dichloropropane	5.0	U	5.0	2.4
591-78-6	2-Hexanone	50	U	50	5.6
67-64-1	Acetone	50	U	50	27
71-43-2	Benzene	5.0	U	5.0	2.1
75-25-2	Bromoform	5.0	U	5.0	3.8
74-83-9	Bromomethane	2.2	J	5.0	2.1
75-15-0	Carbon disulfide	5.0	U	5.0	3.0
56-23-5	Carbon tetrachloride	5.0	U	5.0	1.3
108-90-7	Chlorobenzene	5.0	U	5.0	1.9
75-00-3	Chloroethane	5.0	U	5.0	4.2
67-66-3	Chloroform	5.0	U	5.0	2.4
74-87-3	Chloromethane	5.0	U	5.0	3.2
156-59-2	cis-1,2-Dichloroethene	110		5.0	2.3
10061-01-5	cis-1,3-Dichloropropene	5.0	U	5.0	3.1
75-27-4	Dichlorobromomethane	5.0	U	5.0	1.9
100-41-4	Ethylbenzene	5.0	U	5.0	2.1
78-93-3	2-Butanone (MEK)	50	U	50	5.8
108-10-1	4-Methyl-2-pentanone (MIBK)	50	U	50	5.0
75-09-2	Methylene Chloride	25	U	25	13
100-42-5	Styrene	5.0	U	5.0	2.3
127-18-4	Tetrachloroethene	5.0	U	5.0	2.2
108-88-3	Toluene	5.0	U	5.0	2.2
156-60-5	trans-1,2-Dichloroethene	5.0	U	5.0	2.6
10061-02-6	trans-1,3-Dichloropropene	5.0	U	5.0	3.4
79-01-6	Trichloroethene	5.0	U	5.0	2.2
75-01-4	Vinyl chloride	7.5		5.0	2.3
1330-20-7	Xylenes, Total	10	U	10	2.1
124-48-1	Chlorodibromomethane	5.0	U	5.0	2.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: SW-101123-BE-001 Lab Sample ID: 240-193522-19
Matrix: Water Lab File ID: 225300.D
Analysis Method: 8260D Date Collected: 10/11/2023 11:07
Sample wt/vol: 5 (mL) Date Analyzed: 10/20/2023 18:45
Soil Aliquot Vol: _____ Dilution Factor: 5
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 591678 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		62-137
460-00-4	4-Bromofluorobenzene (Surr)	89		56-136
2037-26-5	Toluene-d8 (Surr)	92		78-122
1868-53-7	Dibromofluoromethane (Surr)	95		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225300.D
 Lims ID: 240-193522-C-19
 Client ID: SW-101123-BE-001
 Sample Type: Client
 Inject. Date: 20-Oct-2023 18:45:01 ALS Bottle#: 0 Worklist Smp#: 14
 Purge Vol: 5.000 mL Dil. Factor: 5.0000
 Sample Info: 240-0134907-014
 Operator ID: 002808 Instrument ID: A3UX22
 Method: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 22-Oct-2023 15:07:24 Calib Date: 11-Sep-2023 18:19:34
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:09:55

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.263	7.251	0.012	99	1153312	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.394	0.000	87	840201	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	96	442150	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	285024	23.7	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	334415	26.0	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	94	1026166	23.0	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.437	11.437	0.000	95	359956	22.3	
10 Chloromethane	50		1.429				ND	
12 Vinyl chloride	62	1.523	1.523	0.000	98	19371	1.49	
13 Bromomethane	94	1.867	1.856	0.011	88	2444	0.4325	
15 Chloroethane	64		1.962				ND	U
20 1,1-Dichloroethene	96		2.864				ND	
22 Acetone	43	3.077	3.065	0.012	98	8549	1.33	
25 Carbon disulfide	76		3.101				ND	7
29 Methylene Chloride	84		3.658				ND	7
32 trans-1,2-Dichloroethene	96	4.025	4.014	0.011	96	4036	0.3976	
35 1,1-Dichloroethane	63	4.867	4.856	0.011	96	17190	0.9173	
41 cis-1,2-Dichloroethene	96	5.804	5.793	0.011	56	236684	21.4	
40 2-Butanone (MEK)	72		5.887				ND	
48 Chloroform	83	6.267	6.267	0.000	87	2174	0.1186	
49 1,1,1-Trichloroethane	97		6.397				ND	
52 Carbon tetrachloride	117		6.552				ND	
54 Benzene	78		6.872				ND	7
55 1,2-Dichloroethane	62		7.014				ND	
59 Trichloroethene	130		7.666				ND	
62 1,2-Dichloropropane	63		7.975				ND	
66 Dichlorobromomethane	83		8.283				ND	7
69 cis-1,3-Dichloropropene	75		8.781				ND	
70 4-Methyl-2-pentanone (MIBK)	43		8.947				ND	
71 Toluene	91		9.054				ND	7
72 trans-1,3-Dichloropropene	75		9.386				ND	
74 1,1,2-Trichloroethane	97		9.552				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
75 Tetrachloroethene	166		9.576				ND	
77 2-Hexanone	43		9.777				ND	
79 Chlorodibromomethane	129		9.884				ND	
83 Chlorobenzene	112		10.417				ND	
85 Ethylbenzene	106		10.500				ND	
86 m-Xylene & p-Xylene	106		10.607				ND	7
87 o-Xylene	106		10.951				ND	
88 Styrene	104		10.975				ND	
89 Bromoform	173		11.165				ND	
93 1,1,2,2-Tetrachloroethane	83		11.580				ND	
S 128 Xylenes, Total	106		16.520				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm25UX18IS_00009	Amount Added: 5.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225300.D

Injection Date: 20-Oct-2023 18:45:01

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: 240-193522-C-19

Lab Sample ID: 240-193522-19

Worklist Smp#: 14

Client ID: SW-101123-BE-001

Purge Vol: 5.000 mL

Dil. Factor: 5.0000

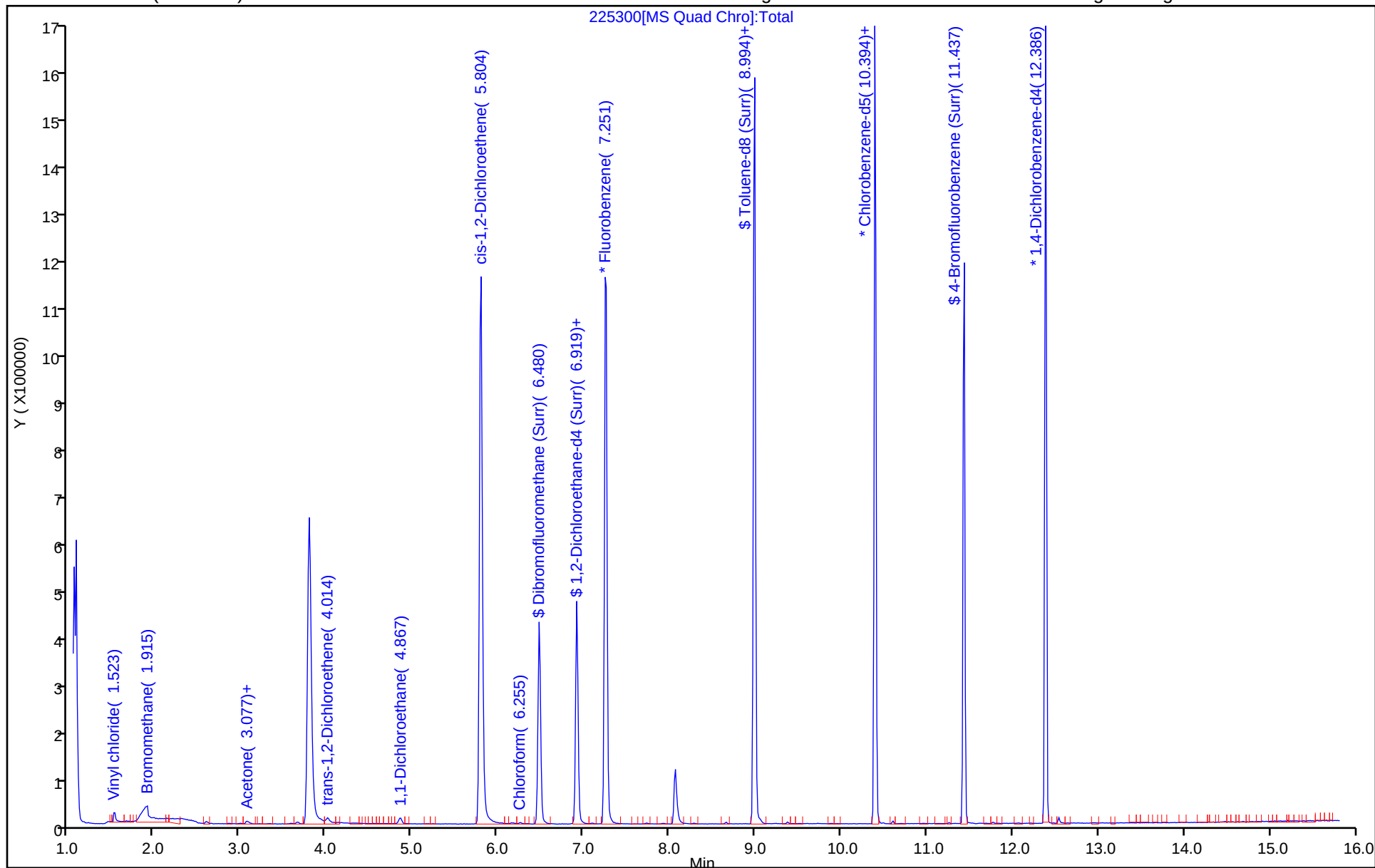
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225300.D
Lims ID: 240-193522-C-19
Client ID: SW-101123-BE-001
Sample Type: Client
Inject. Date: 20-Oct-2023 18:45:01 ALS Bottle#: 0 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Sample Info: 240-0134907-014
Operator ID: 002808 Instrument ID: A3UX22
Method: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Oct-2023 15:07:24 Calib Date: 11-Sep-2023 18:19:34
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:09:55

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	23.7	94.83
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	26.0	103.91
\$ 6 Toluene-d8 (Surr)	25.0	23.0	92.00
\$ 7 4-Bromofluorobenzene (Surr)	25.0	22.3	89.15

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225300.D

Injection Date: 20-Oct-2023 18:45:01

Instrument ID: A3UX22

Lims ID: 240-193522-C-19

Lab Sample ID: 240-193522-19

Client ID: SW-101123-BE-001

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 14

Purge Vol: 5.000 mL

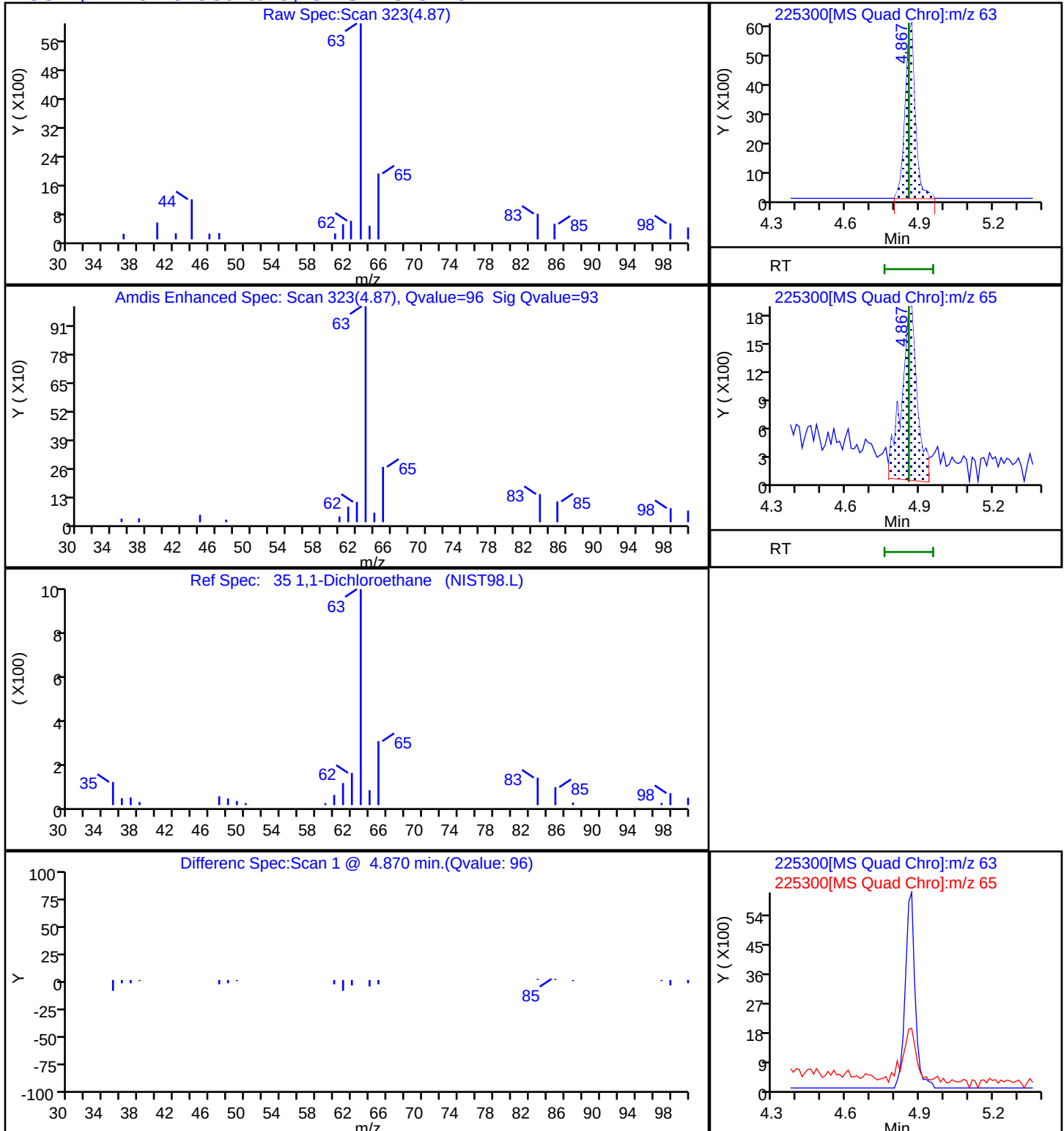
Dil. Factor: 5.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

35 1,1-Dichloroethane, CAS: 75-34-3

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225300.D

Injection Date: 20-Oct-2023 18:45:01

Instrument ID: A3UX22

Lims ID: 240-193522-C-19

Lab Sample ID: 240-193522-19

Client ID: SW-101123-BE-001

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 14

Purge Vol: 5.000 mL

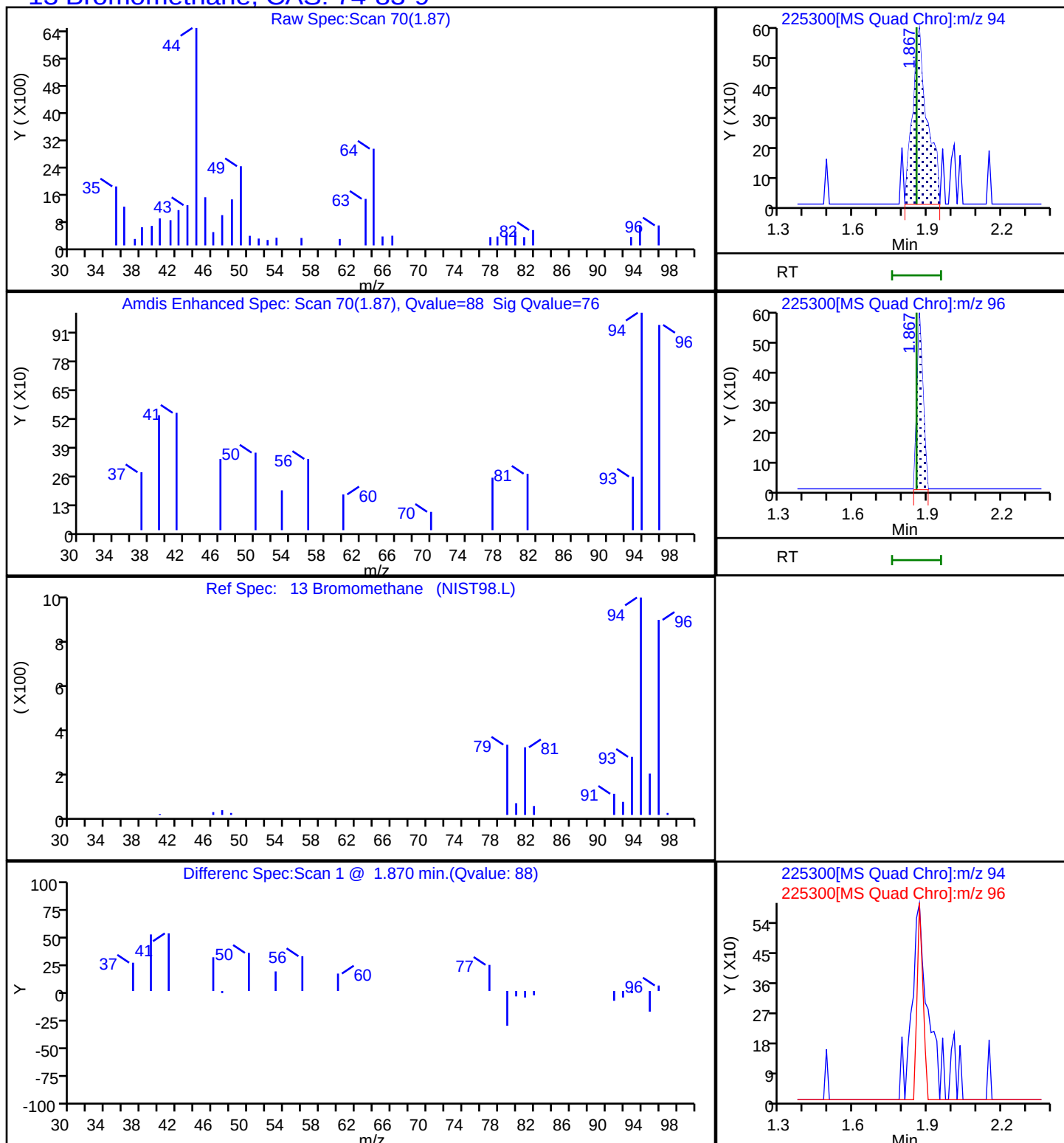
Dil. Factor: 5.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

13 Bromomethane, CAS: 74-83-9

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225300.D

Injection Date: 20-Oct-2023 18:45:01

Instrument ID: A3UX22

Lims ID: 240-193522-C-19

Lab Sample ID: 240-193522-19

Client ID: SW-101123-BE-001

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 14

Purge Vol: 5.000 mL

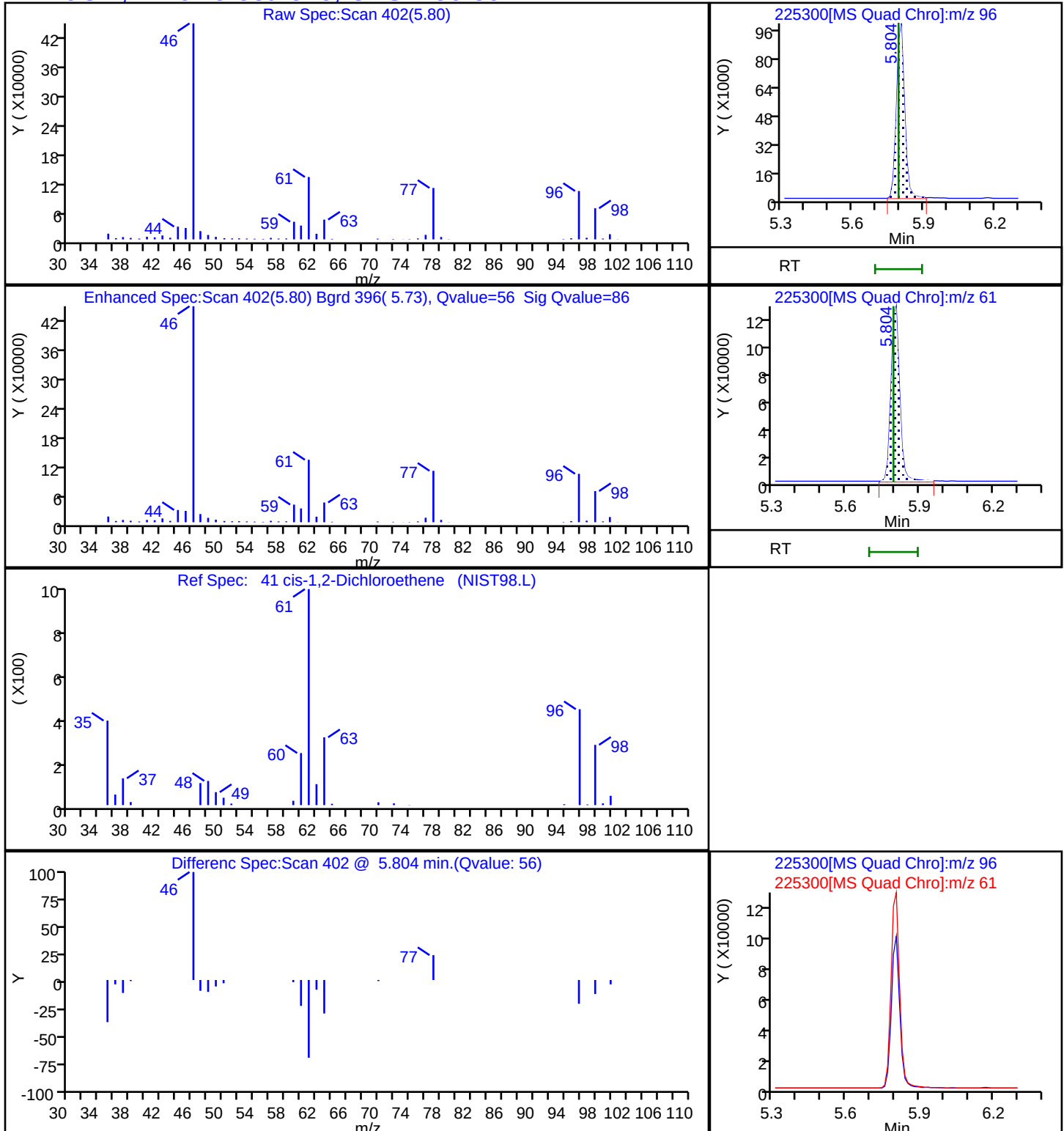
Dil. Factor: 5.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

41 cis-1,2-Dichloroethene, CAS: 156-59-2

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225300.D

Injection Date: 20-Oct-2023 18:45:01

Instrument ID: A3UX22

Lims ID: 240-193522-C-19

Lab Sample ID: 240-193522-19

Client ID: SW-101123-BE-001

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 14

Purge Vol: 5.000 mL

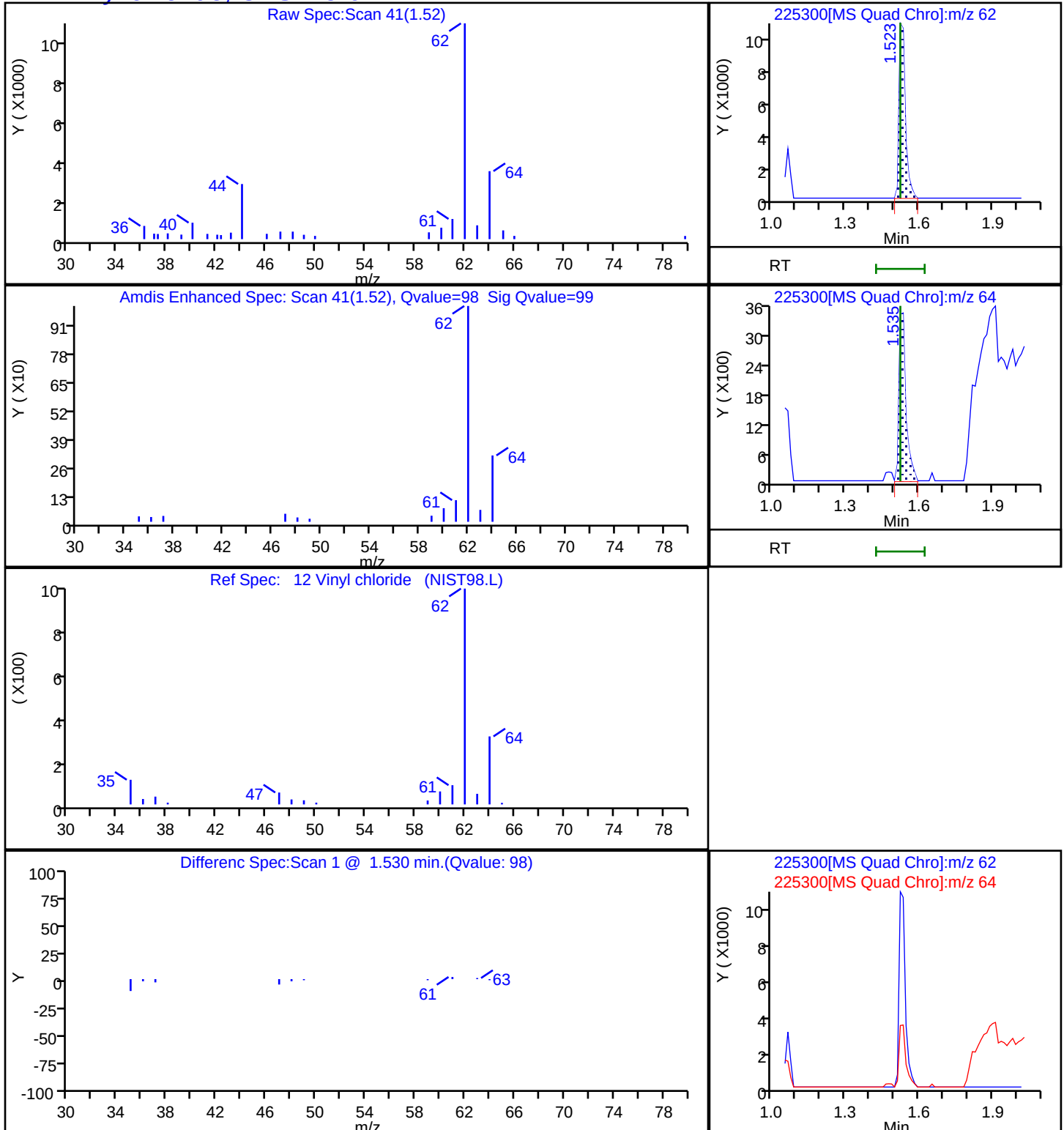
Dil. Factor: 5.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

12 Vinyl chloride, CAS: 75-01-4

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225300.D

Injection Date: 20-Oct-2023 18:45:01

Instrument ID: A3UX22

Lims ID: 240-193522-C-19

Lab Sample ID: 240-193522-19

Client ID: SW-101123-BE-001

Operator ID: 002808

ALS Bottle#: 0 Worklist Smp#: 14

Purge Vol: 5.000 mL

Dil. Factor: 5.0000

Method: 8260_22

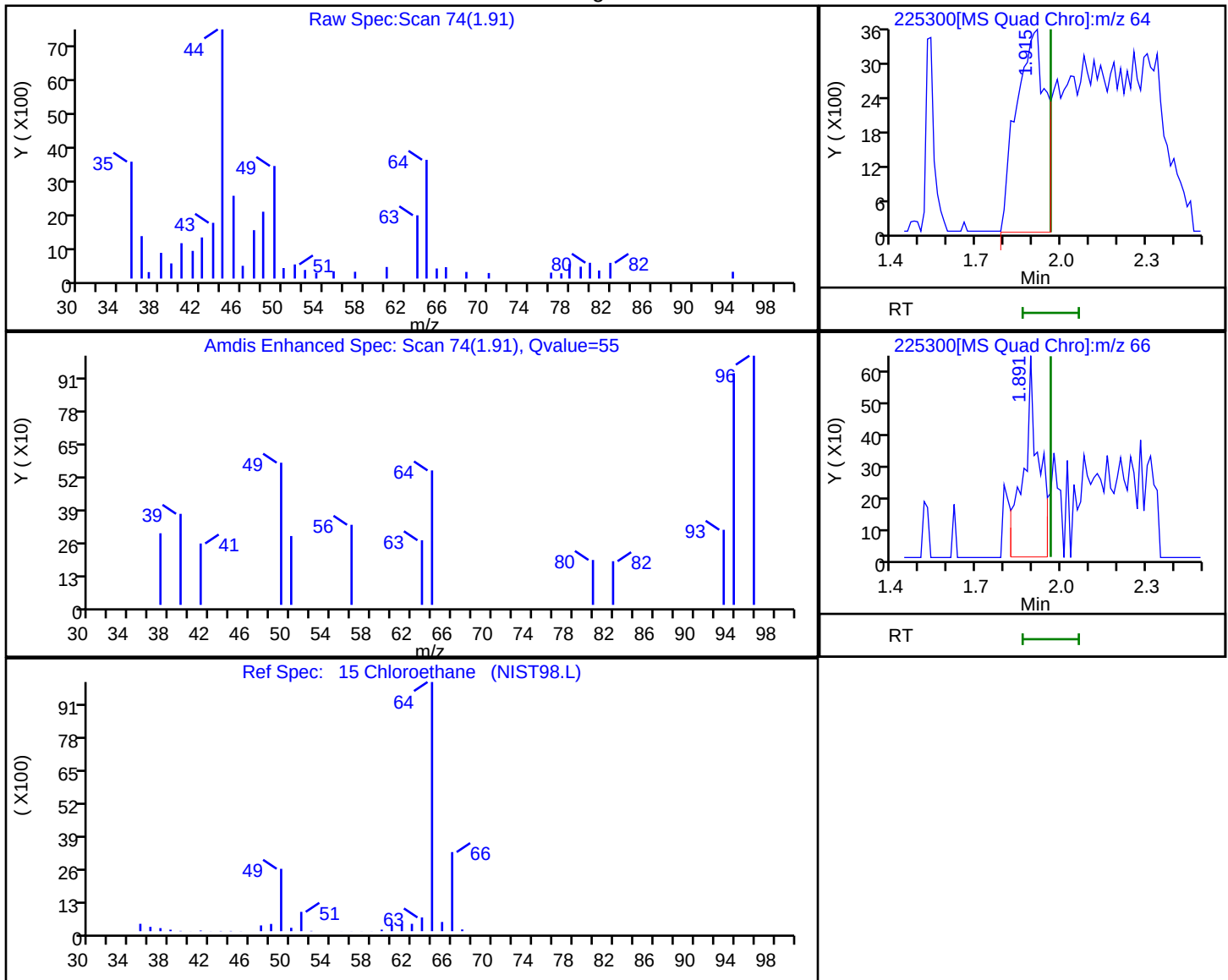
Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

15 Chloroethane, CAS: 75-00-3

Processing Results



RT	Mass	Response	Amount
1.91	64.00	25626	3.711025
1.89	66.00	2435	

Reviewer: PHN3, 22-Oct-2023 13:08:32 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>SW-101123-BE-002</u>	Lab Sample ID: <u>240-193522-20</u>
Matrix: <u>Water</u>	Lab File ID: <u>225301.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/11/2023 11:14</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/20/2023 19:09</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>5</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591678</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	5.0	U	5.0	2.4
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U	5.0	3.0
79-00-5	1,1,2-Trichloroethane	5.0	U	5.0	2.4
75-34-3	1,1-Dichloroethane	11		5.0	2.4
75-35-4	1,1-Dichloroethene	5.0	U	5.0	2.5
107-06-2	1,2-Dichloroethane	5.0	U	5.0	2.3
78-87-5	1,2-Dichloropropane	5.0	U	5.0	2.4
591-78-6	2-Hexanone	50	U	50	5.6
67-64-1	Acetone	50	U	50	27
71-43-2	Benzene	5.0	U	5.0	2.1
75-25-2	Bromoform	5.0	U	5.0	3.8
74-83-9	Bromomethane	5.0	U	5.0	2.1
75-15-0	Carbon disulfide	5.0	U	5.0	3.0
56-23-5	Carbon tetrachloride	5.0	U	5.0	1.3
108-90-7	Chlorobenzene	5.0	U	5.0	1.9
75-00-3	Chloroethane	5.0	U	5.0	4.2
67-66-3	Chloroform	5.0	U	5.0	2.4
74-87-3	Chloromethane	5.0	U	5.0	3.2
156-59-2	cis-1,2-Dichloroethene	260		5.0	2.3
10061-01-5	cis-1,3-Dichloropropene	5.0	U	5.0	3.1
75-27-4	Dichlorobromomethane	5.0	U	5.0	1.9
100-41-4	Ethylbenzene	5.0	U	5.0	2.1
78-93-3	2-Butanone (MEK)	50	U	50	5.8
108-10-1	4-Methyl-2-pentanone (MIBK)	50	U	50	5.0
75-09-2	Methylene Chloride	25	U	25	13
100-42-5	Styrene	5.0	U	5.0	2.3
127-18-4	Tetrachloroethene	5.0	U	5.0	2.2
108-88-3	Toluene	5.0	U	5.0	2.2
156-60-5	trans-1,2-Dichloroethene	5.1		5.0	2.6
10061-02-6	trans-1,3-Dichloropropene	5.0	U	5.0	3.4
79-01-6	Trichloroethene	5.0	U	5.0	2.2
75-01-4	Vinyl chloride	15		5.0	2.3
1330-20-7	Xylenes, Total	10	U	10	2.1
124-48-1	Chlorodibromomethane	5.0	U	5.0	2.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: SW-101123-BE-002 Lab Sample ID: 240-193522-20
Matrix: Water Lab File ID: 225301.D
Analysis Method: 8260D Date Collected: 10/11/2023 11:14
Sample wt/vol: 5 (mL) Date Analyzed: 10/20/2023 19:09
Soil Aliquot Vol: _____ Dilution Factor: 5
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 591678 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		62-137
460-00-4	4-Bromofluorobenzene (Surr)	87		56-136
2037-26-5	Toluene-d8 (Surr)	91		78-122
1868-53-7	Dibromofluoromethane (Surr)	92		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225301.D
 Lims ID: 240-193522-C-20
 Client ID: SW-101123-BE-002
 Sample Type: Client
 Inject. Date: 20-Oct-2023 19:09:02 ALS Bottle#: 0 Worklist Smp#: 15
 Purge Vol: 5.000 mL Dil. Factor: 5.0000
 Sample Info: 240-0134907-015
 Operator ID: 002808 Instrument ID: A3UX22
 Method: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 22-Oct-2023 15:07:24 Calib Date: 11-Sep-2023 18:19:34
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:10:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.251	7.251	0.000	99	1148965	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.394	0.000	88	838790	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	95	432659	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	274976	23.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	326078	25.4	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	94	1010838	22.7	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.425	11.437	-0.012	91	350667	21.7	
10 Chloromethane	50		1.429				ND	
12 Vinyl chloride	62	1.523	1.523	0.000	99	39754	3.07	
13 Bromomethane	94		1.856				ND	
15 Chloroethane	64		1.962				ND	
20 1,1-Dichloroethene	96	2.852	2.864	-0.012	95	1895	0.2187	
22 Acetone	43	3.065	3.065	0.000	96	7523	1.18	
25 Carbon disulfide	76		3.101				ND	7
29 Methylene Chloride	84		3.658				ND	7
32 trans-1,2-Dichloroethene	96	4.014	4.014	0.000	98	10390	1.03	
35 1,1-Dichloroethane	63	4.856	4.856	0.000	96	42655	2.28	
41 cis-1,2-Dichloroethene	96	5.793	5.793	0.000	76	566803	51.3	
40 2-Butanone (MEK)	72	5.887	5.887	0.000	60	268	0.1108	
48 Chloroform	83	6.267	6.267	0.000	89	2267	0.1241	
49 1,1,1-Trichloroethane	97		6.397				ND	
52 Carbon tetrachloride	117		6.552				ND	
54 Benzene	78		6.872				ND	
55 1,2-Dichloroethane	62		7.014				ND	
59 Trichloroethene	130		7.666				ND	
62 1,2-Dichloropropane	63		7.975				ND	
66 Dichlorobromomethane	83		8.283				ND	7
69 cis-1,3-Dichloropropene	75		8.781				ND	
70 4-Methyl-2-pentanone (MIBK)	43		8.947				ND	
71 Toluene	91		9.054				ND	7
72 trans-1,3-Dichloropropene	75		9.386				ND	
74 1,1,2-Trichloroethane	97		9.552				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
75 Tetrachloroethene	166		9.576				ND	
77 2-Hexanone	43		9.777				ND	
79 Chlorodibromomethane	129		9.884				ND	
83 Chlorobenzene	112		10.417				ND	
85 Ethylbenzene	106		10.500				ND	
86 m-Xylene & p-Xylene	106		10.607				ND	7
87 o-Xylene	106		10.951				ND	
88 Styrene	104		10.975				ND	
89 Bromoform	173		11.165				ND	
93 1,1,2,2-Tetrachloroethane	83		11.580				ND	
S 128 Xylenes, Total	106		16.520				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm25UX18IS_00009	Amount Added: 5.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225301.D

Injection Date: 20-Oct-2023 19:09:02

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: 240-193522-C-20

Lab Sample ID: 240-193522-20

Worklist Smp#: 15

Client ID: SW-101123-BE-002

Purge Vol: 5.000 mL

Dil. Factor: 5.0000

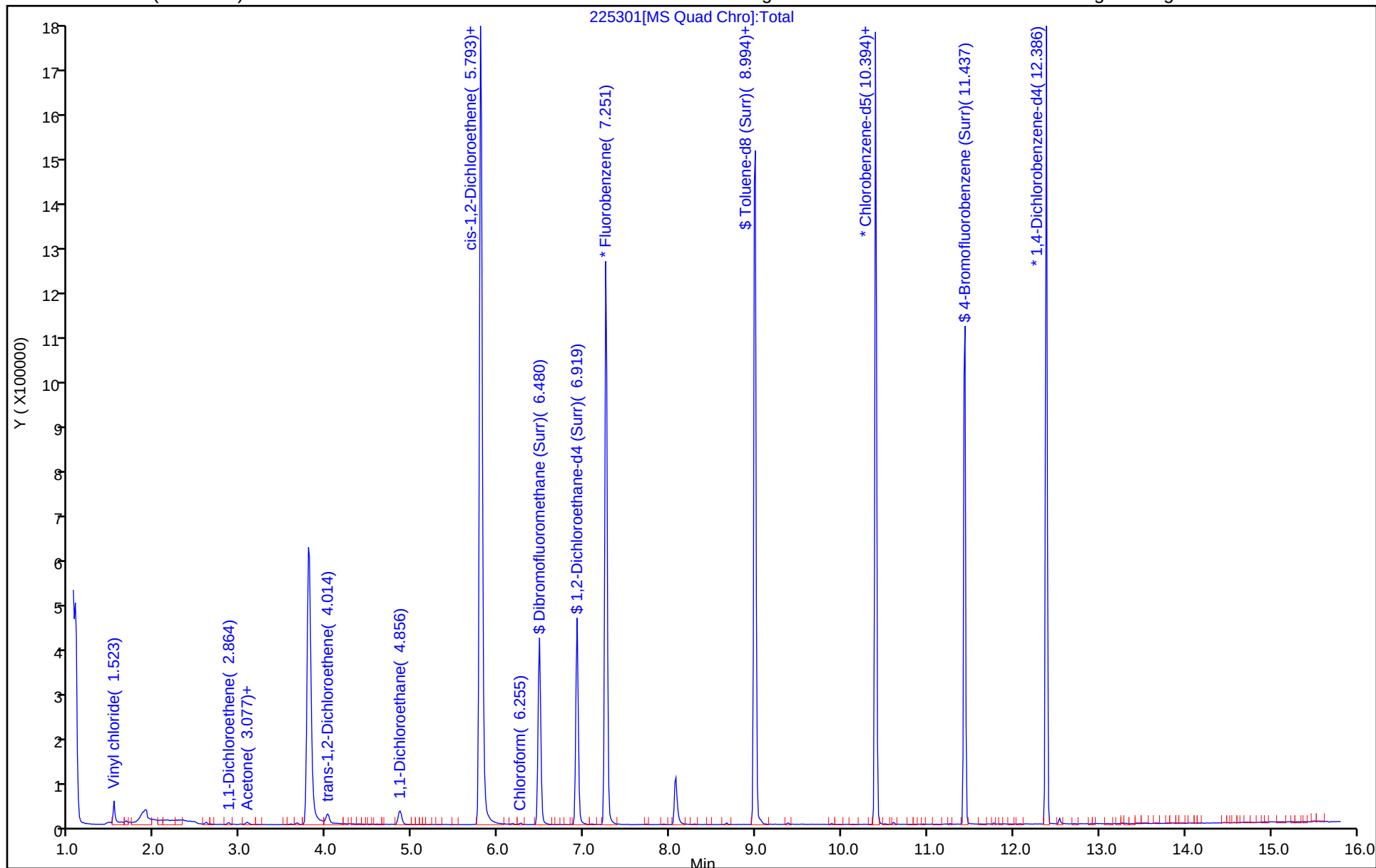
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225301.D
Lims ID: 240-193522-C-20
Client ID: SW-101123-BE-002
Sample Type: Client
Inject. Date: 20-Oct-2023 19:09:02 ALS Bottle#: 0 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 5.0000
Sample Info: 240-0134907-015
Operator ID: 002808 Instrument ID: A3UX22
Method: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Oct-2023 15:07:24 Calib Date: 11-Sep-2023 18:19:34
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:10:47

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	23.0	91.83
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	25.4	101.70
\$ 6 Toluene-d8 (Surr)	25.0	22.7	90.78
\$ 7 4-Bromofluorobenzene (Surr)	25.0	21.7	87.00

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225301.D

Injection Date: 20-Oct-2023 19:09:02

Instrument ID: A3UX22

Lims ID: 240-193522-C-20

Lab Sample ID: 240-193522-20

Client ID: SW-101123-BE-002

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 15

Purge Vol: 5.000 mL

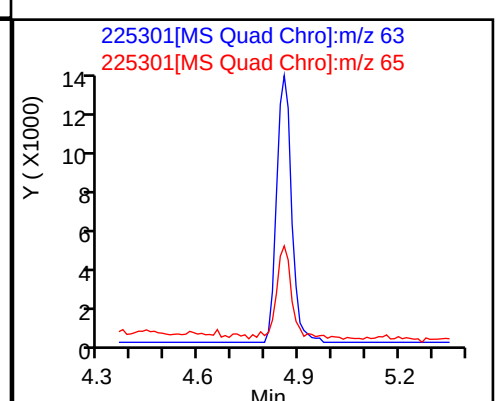
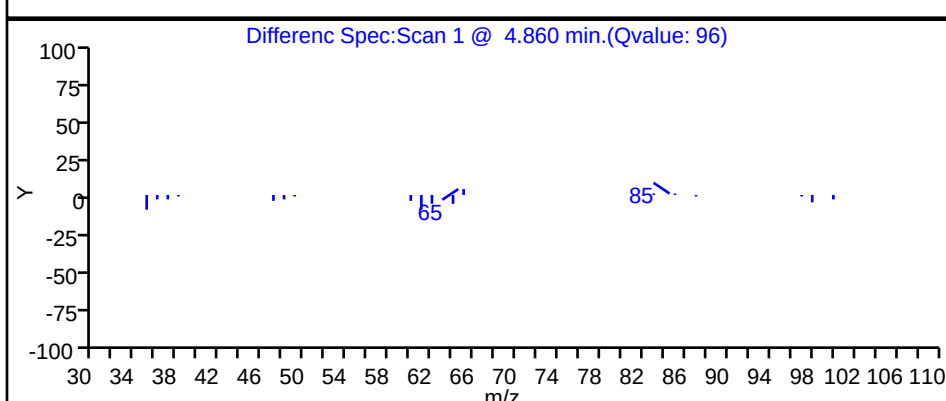
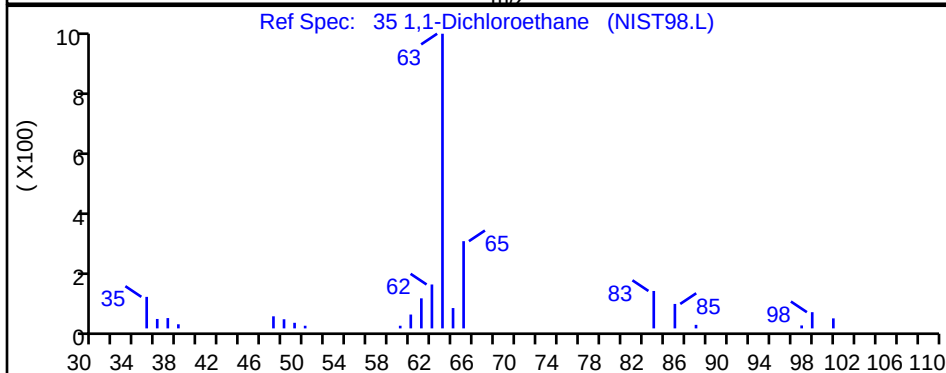
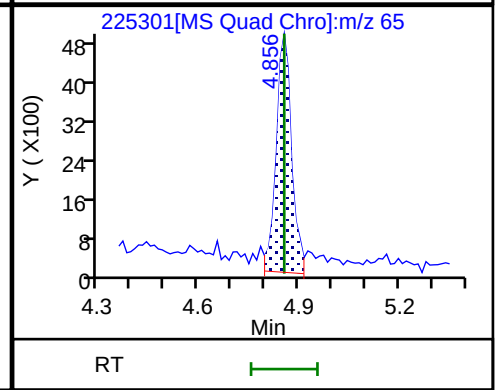
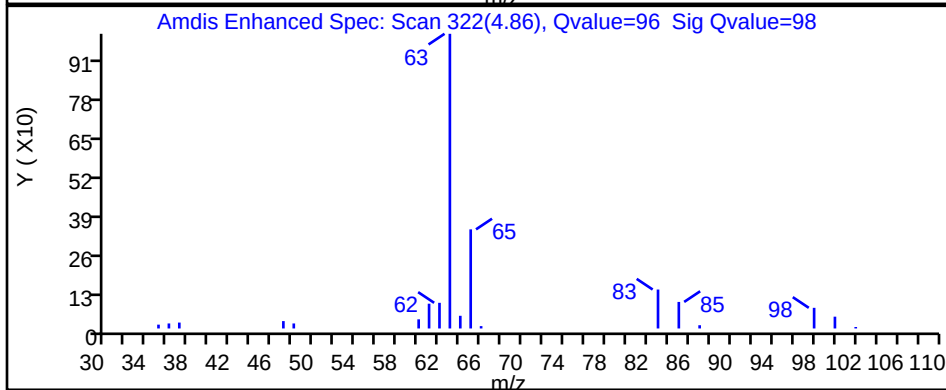
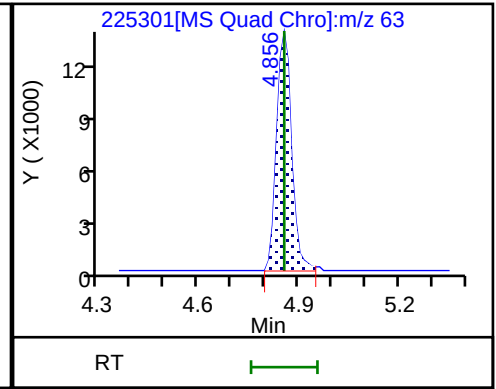
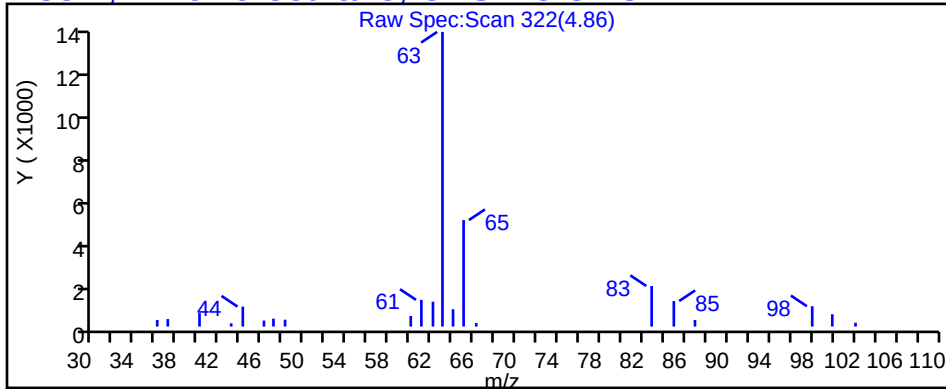
Dil. Factor: 5.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

35 1,1-Dichloroethane, CAS: 75-34-3

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225301.D

Injection Date: 20-Oct-2023 19:09:02

Instrument ID: A3UX22

Lims ID: 240-193522-C-20

Lab Sample ID: 240-193522-20

Client ID: SW-101123-BE-002

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 15

Purge Vol: 5.000 mL

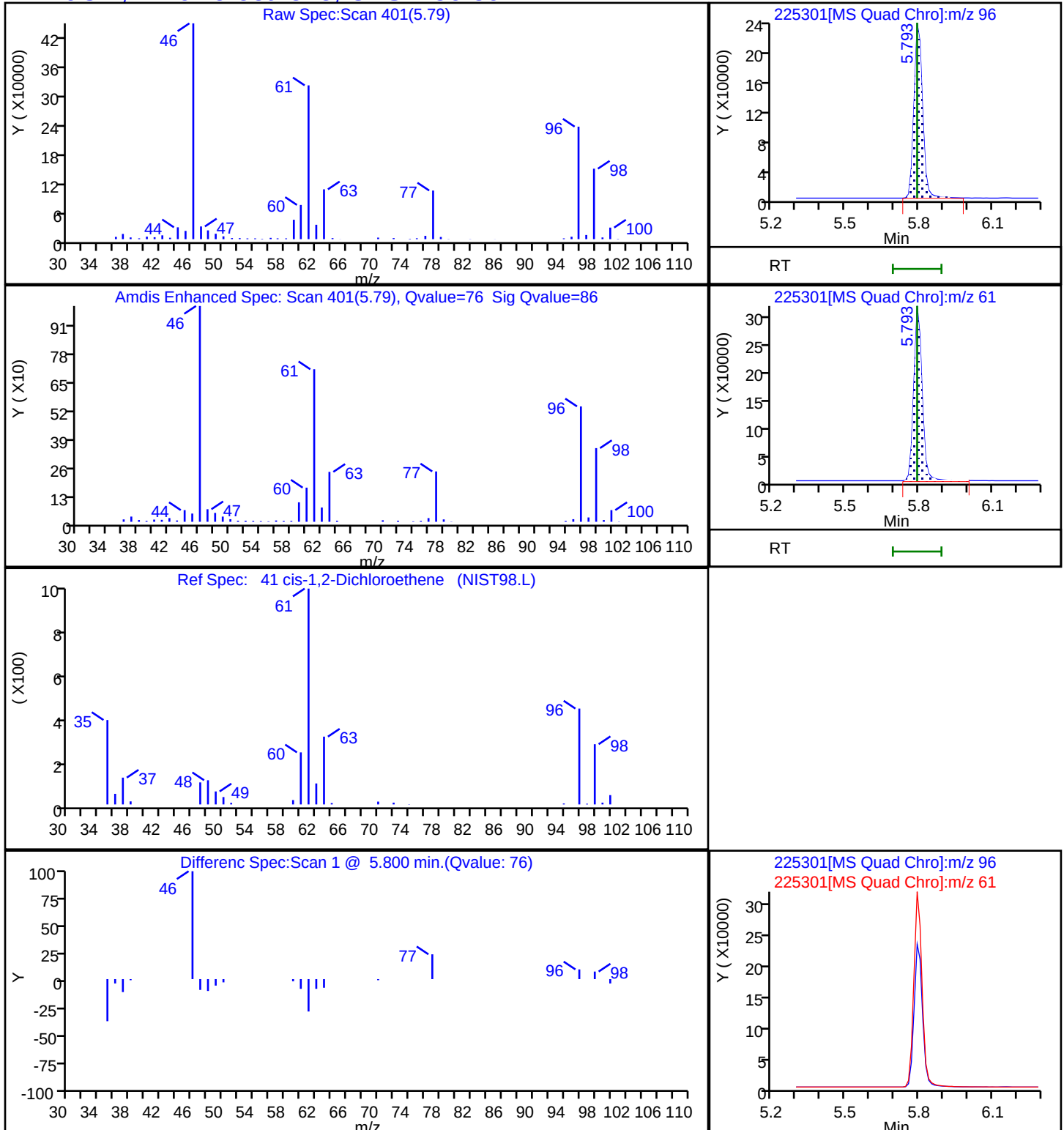
Dil. Factor: 5.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

41 cis-1,2-Dichloroethene, CAS: 156-59-2

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225301.D

Injection Date: 20-Oct-2023 19:09:02

Instrument ID: A3UX22

Lims ID: 240-193522-C-20

Lab Sample ID: 240-193522-20

Client ID: SW-101123-BE-002

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 15

Purge Vol: 5.000 mL

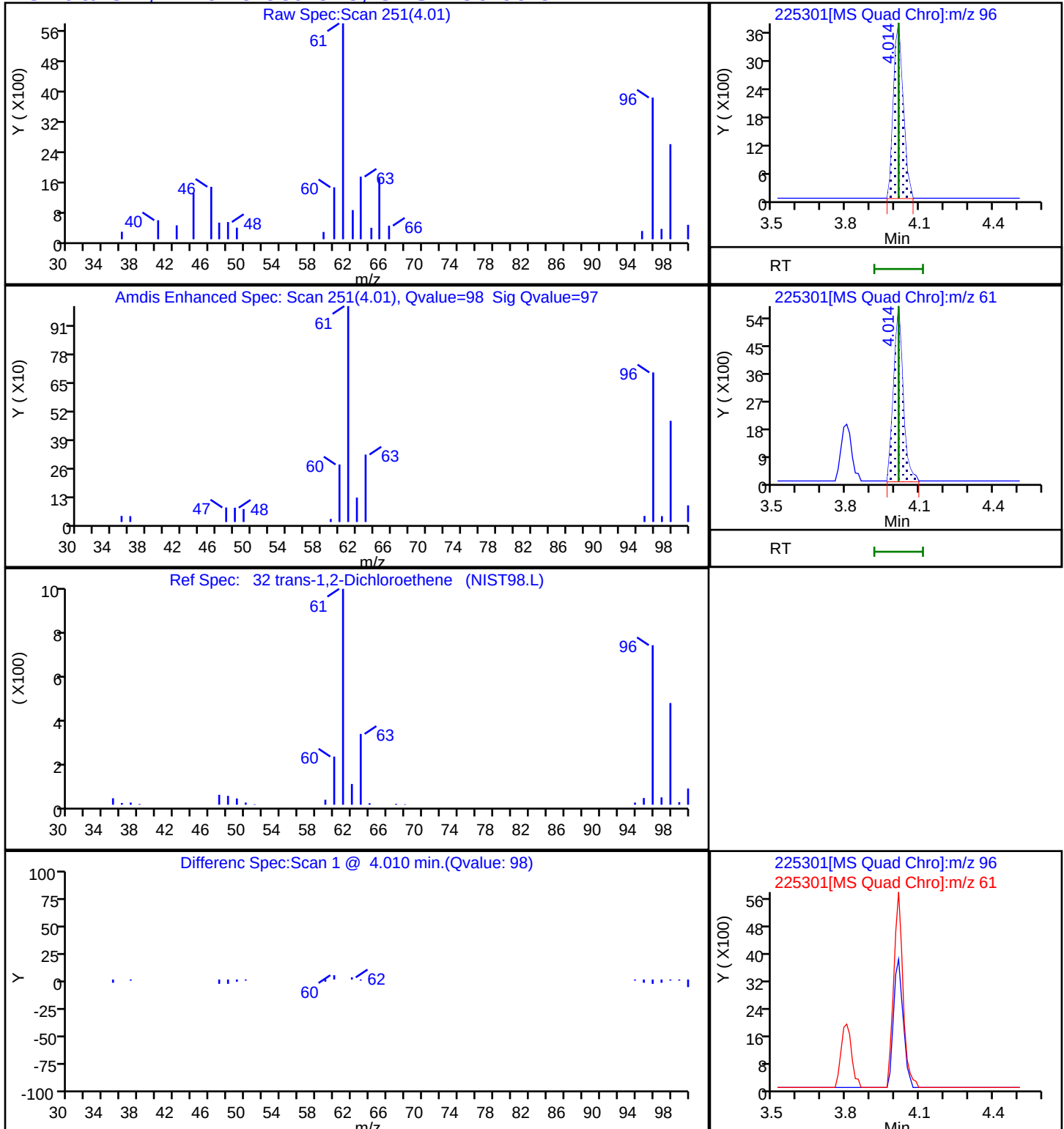
Dil. Factor: 5.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

32 trans-1,2-Dichloroethene, CAS: 156-60-5

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225301.D

Injection Date: 20-Oct-2023 19:09:02

Instrument ID: A3UX22

Lims ID: 240-193522-C-20

Lab Sample ID: 240-193522-20

Client ID: SW-101123-BE-002

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 15

Purge Vol: 5.000 mL

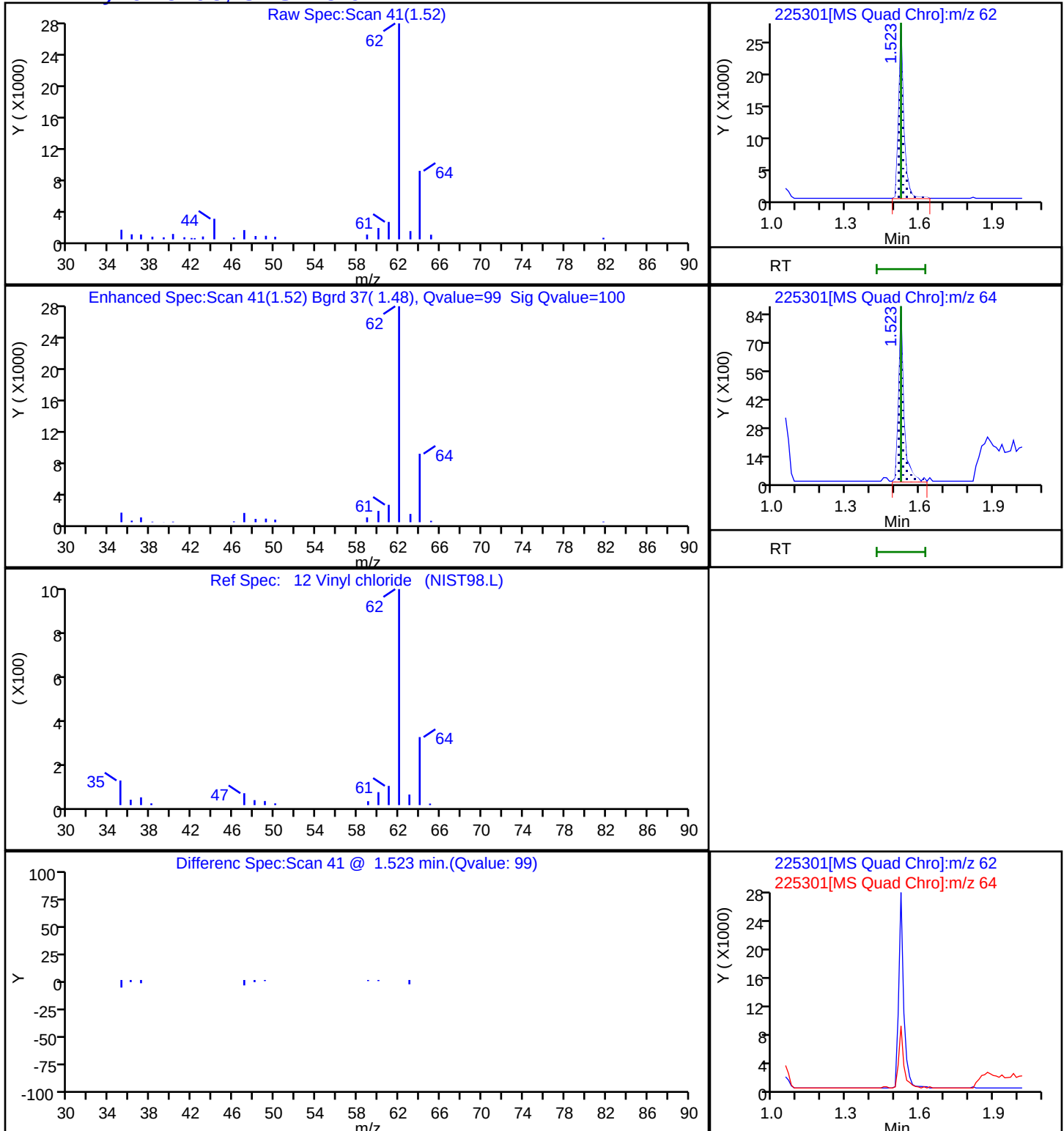
Dil. Factor: 5.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

12 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>SW-101123-BE-003</u>	Lab Sample ID: <u>240-193522-21</u>
Matrix: <u>Water</u>	Lab File ID: <u>225302.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/11/2023 11:24</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/20/2023 19:32</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>3.33333</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591678</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	3.3	U	3.3	1.6
79-34-5	1,1,2,2-Tetrachloroethane	3.3	U	3.3	2.0
79-00-5	1,1,2-Trichloroethane	3.3	U	3.3	1.6
75-34-3	1,1-Dichloroethane	1.7	J	3.3	1.6
75-35-4	1,1-Dichloroethene	3.3	U	3.3	1.6
107-06-2	1,2-Dichloroethane	3.3	U	3.3	1.5
78-87-5	1,2-Dichloropropane	3.3	U	3.3	1.6
591-78-6	2-Hexanone	33	U	33	3.7
67-64-1	Acetone	33	U	33	18
71-43-2	Benzene	3.3	U	3.3	1.4
75-25-2	Bromoform	3.3	U	3.3	2.5
74-83-9	Bromomethane	3.3	U	3.3	1.4
75-15-0	Carbon disulfide	3.3	U	3.3	2.0
56-23-5	Carbon tetrachloride	3.3	U	3.3	0.87
108-90-7	Chlorobenzene	3.3	U	3.3	1.3
75-00-3	Chloroethane	3.3	U	3.3	2.8
67-66-3	Chloroform	3.3	U	3.3	1.6
74-87-3	Chloromethane	3.3	U	3.3	2.1
156-59-2	cis-1,2-Dichloroethene	45		3.3	1.5
10061-01-5	cis-1,3-Dichloropropene	3.3	U	3.3	2.0
75-27-4	Dichlorobromomethane	3.3	U	3.3	1.3
100-41-4	Ethylbenzene	3.3	U	3.3	1.4
78-93-3	2-Butanone (MEK)	33	U	33	3.9
108-10-1	4-Methyl-2-pentanone (MIBK)	33	U	33	3.3
75-09-2	Methylene Chloride	17	U	17	8.7
100-42-5	Styrene	3.3	U	3.3	1.5
127-18-4	Tetrachloroethene	3.3	U	3.3	1.5
108-88-3	Toluene	3.3	U	3.3	1.5
156-60-5	trans-1,2-Dichloroethene	3.3	U	3.3	1.7
10061-02-6	trans-1,3-Dichloropropene	3.3	U	3.3	2.2
79-01-6	Trichloroethene	3.3	U	3.3	1.5
75-01-4	Vinyl chloride	2.5	J	3.3	1.5
1330-20-7	Xylenes, Total	6.7	U	6.7	1.4
124-48-1	Chlorodibromomethane	3.3	U	3.3	1.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: SW-101123-BE-003 Lab Sample ID: 240-193522-21
Matrix: Water Lab File ID: 225302.D
Analysis Method: 8260D Date Collected: 10/11/2023 11:24
Sample wt/vol: 5 (mL) Date Analyzed: 10/20/2023 19:32
Soil Aliquot Vol: _____ Dilution Factor: 3.33333
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 591678 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		62-137
460-00-4	4-Bromofluorobenzene (Surr)	86		56-136
2037-26-5	Toluene-d8 (Surr)	91		78-122
1868-53-7	Dibromofluoromethane (Surr)	94		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225302.D
 Lims ID: 240-193522-C-21
 Client ID: SW-101123-BE-003
 Sample Type: Client
 Inject. Date: 20-Oct-2023 19:32:43 ALS Bottle#: 0 Worklist Smp#: 16
 Purge Vol: 5.000 mL Dil. Factor: 3.3333
 Sample Info: 240-0134907-016
 Operator ID: 002808 Instrument ID: A3UX22
 Method: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 22-Oct-2023 15:07:24 Calib Date: 11-Sep-2023 18:19:34
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:11:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.251	7.251	0.000	99	1145239	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.394	0.000	87	842425	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	95	449819	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	280190	23.5	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	330386	25.8	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	94	1018446	22.8	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.437	11.437	0.000	96	349348	21.6	
10 Chloromethane	50		1.429				ND	
12 Vinyl chloride	62	1.523	1.523	0.000	97	9682	0.7511	
13 Bromomethane	94		1.856				ND	
15 Chloroethane	64		1.962				ND	
20 1,1-Dichloroethene	96		2.864				ND	
22 Acetone	43	3.077	3.065	0.012	99	11743	1.85	
25 Carbon disulfide	76		3.101				ND	7
29 Methylene Chloride	84		3.658				ND	7
32 trans-1,2-Dichloroethene	96	4.014	4.014	0.000	95	1821	0.1807	
35 1,1-Dichloroethane	63	4.856	4.856	0.000	95	9289	0.4992	
41 cis-1,2-Dichloroethene	96	5.792	5.793	-0.001	49	148695	13.5	
40 2-Butanone (MEK)	72		5.887				ND	
48 Chloroform	83		6.267				ND	
49 1,1,1-Trichloroethane	97		6.397				ND	
52 Carbon tetrachloride	117		6.552				ND	
54 Benzene	78		6.872				ND	
55 1,2-Dichloroethane	62		7.014				ND	
59 Trichloroethene	130		7.666				ND	
62 1,2-Dichloropropane	63		7.975				ND	
66 Dichlorobromomethane	83		8.283				ND	
69 cis-1,3-Dichloropropene	75		8.781				ND	
70 4-Methyl-2-pentanone (MIBK)	43		8.947				ND	
71 Toluene	91		9.054				ND	7
72 trans-1,3-Dichloropropene	75		9.386				ND	
74 1,1,2-Trichloroethane	97		9.552				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
75 Tetrachloroethene	166		9.576				ND	
77 2-Hexanone	43		9.777				ND	
79 Chlorodibromomethane	129		9.884				ND	
83 Chlorobenzene	112		10.417				ND	
85 Ethylbenzene	106		10.500				ND	
86 m-Xylene & p-Xylene	106		10.607				ND	7
87 o-Xylene	106		10.951				ND	
88 Styrene	104		10.975				ND	
89 Bromoform	173		11.165				ND	
93 1,1,2,2-Tetrachloroethane	83		11.580				ND	
S 128 Xylenes, Total	106		16.520				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm25UX18IS_00009	Amount Added: 5.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225302.D

Injection Date: 20-Oct-2023 19:32:43

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: 240-193522-C-21

Lab Sample ID: 240-193522-21

Worklist Smp#: 16

Client ID: SW-101123-BE-003

Purge Vol: 5.000 mL

Dil. Factor: 3.3333

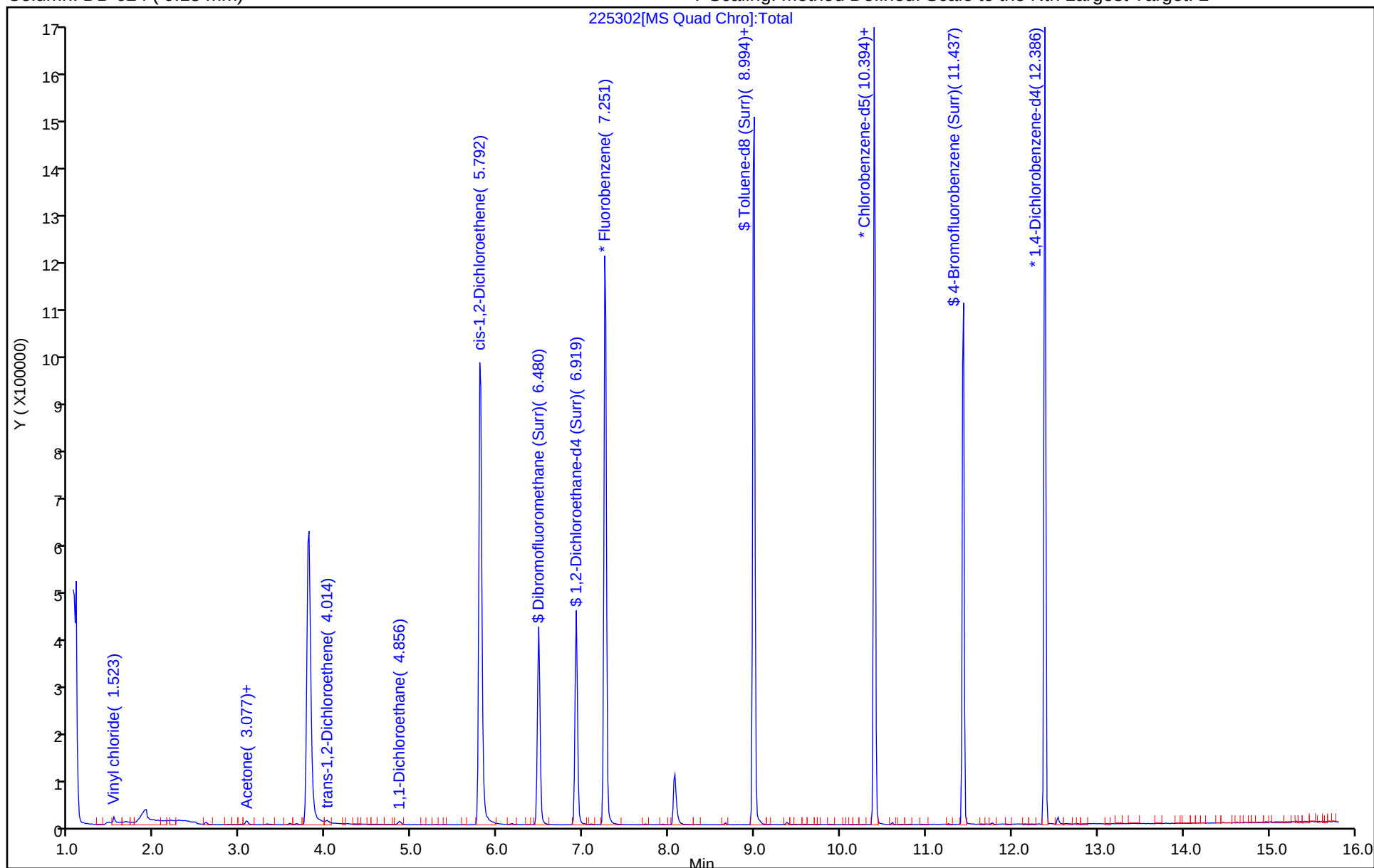
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225302.D
Lims ID: 240-193522-C-21
Client ID: SW-101123-BE-003
Sample Type: Client
Inject. Date: 20-Oct-2023 19:32:43 ALS Bottle#: 0 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 3.3333
Sample Info: 240-0134907-016
Operator ID: 002808 Instrument ID: A3UX22
Method: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Oct-2023 15:07:24 Calib Date: 11-Sep-2023 18:19:34
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:11:43

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	23.5	93.88
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	25.8	103.38
\$ 6 Toluene-d8 (Surr)	25.0	22.8	91.07
\$ 7 4-Bromofluorobenzene (Surr)	25.0	21.6	86.29

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225302.D

Injection Date: 20-Oct-2023 19:32:43

Instrument ID: A3UX22

Lims ID: 240-193522-C-21

Lab Sample ID: 240-193522-21

Client ID: SW-101123-BE-003

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 16

Purge Vol: 5.000 mL

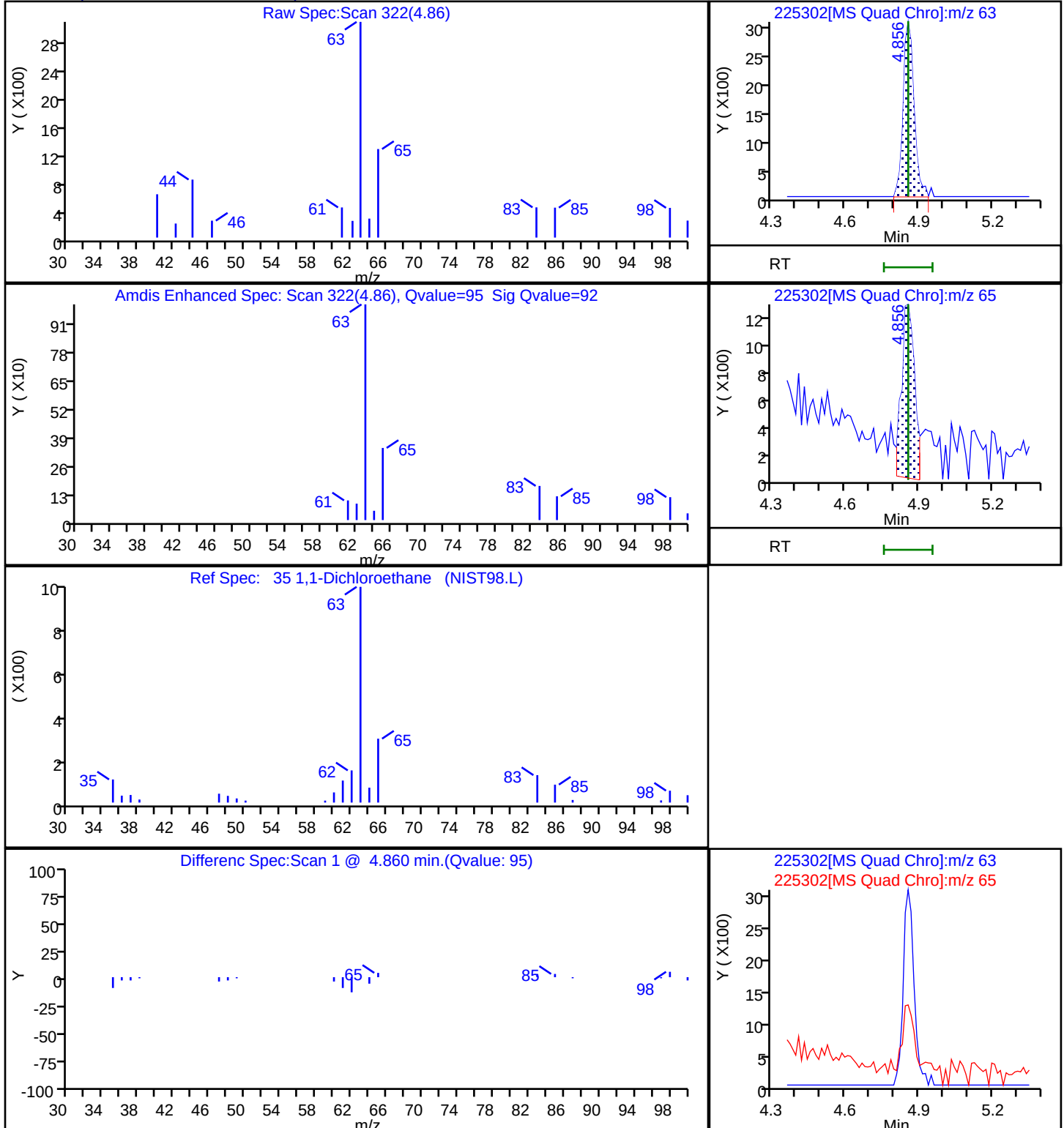
Dil. Factor: 3.3333

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

35 1,1-Dichloroethane, CAS: 75-34-3

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225302.D

Injection Date: 20-Oct-2023 19:32:43

Instrument ID: A3UX22

Lims ID: 240-193522-C-21

Lab Sample ID: 240-193522-21

Client ID: SW-101123-BE-003

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 16

Purge Vol: 5.000 mL

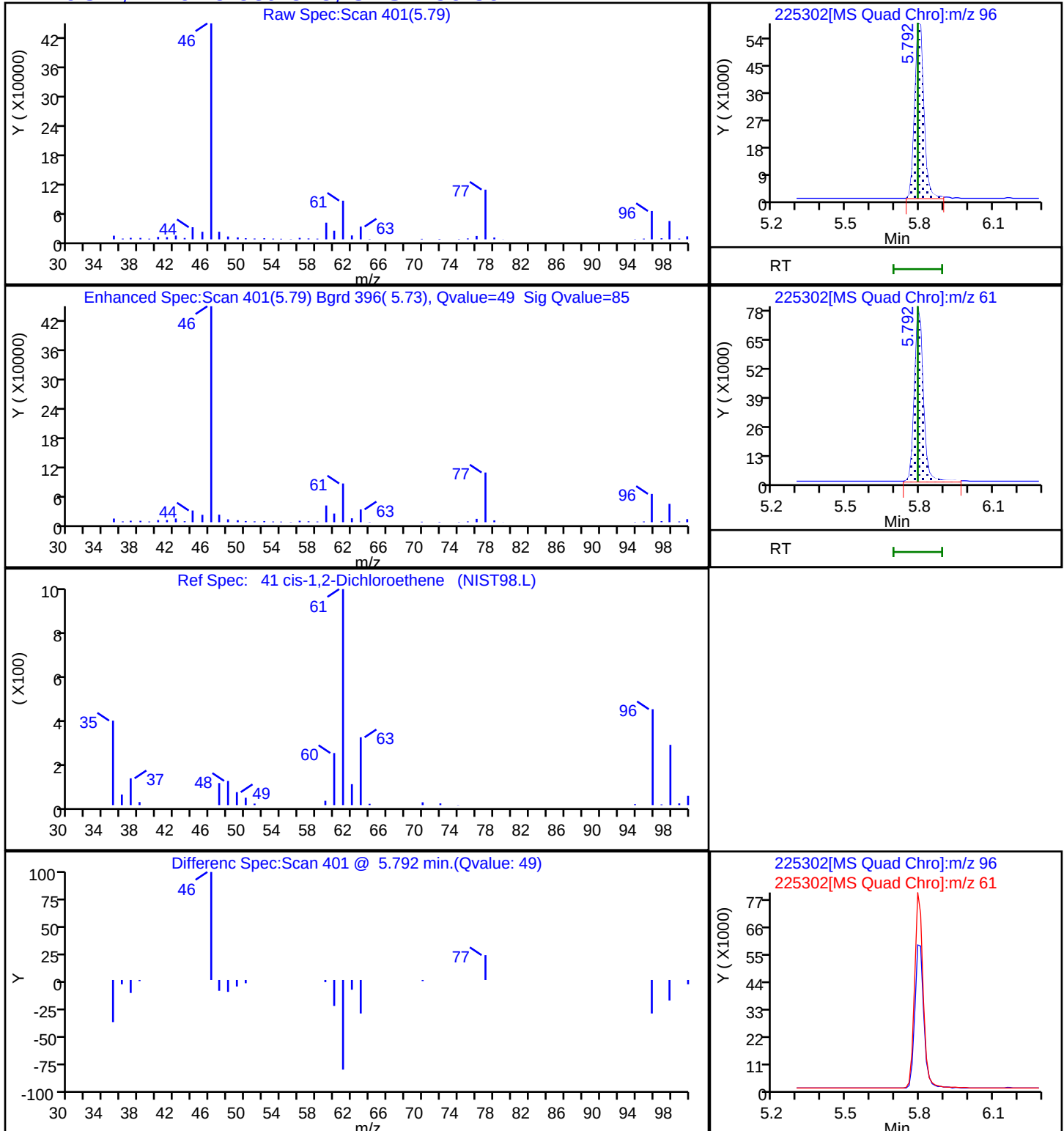
Dil. Factor: 3.3333

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

41 cis-1,2-Dichloroethene, CAS: 156-59-2

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225302.D

Injection Date: 20-Oct-2023 19:32:43

Instrument ID: A3UX22

Lims ID: 240-193522-C-21

Lab Sample ID: 240-193522-21

Client ID: SW-101123-BE-003

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 16

Purge Vol: 5.000 mL

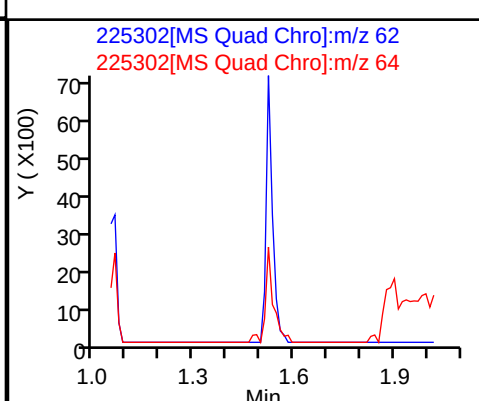
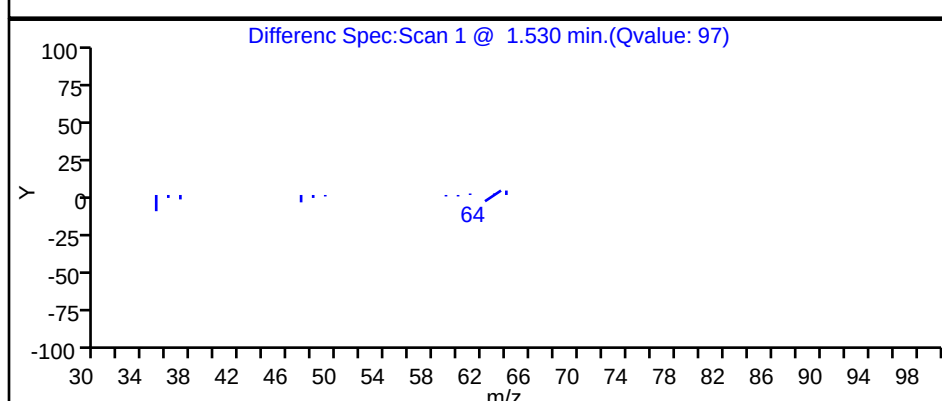
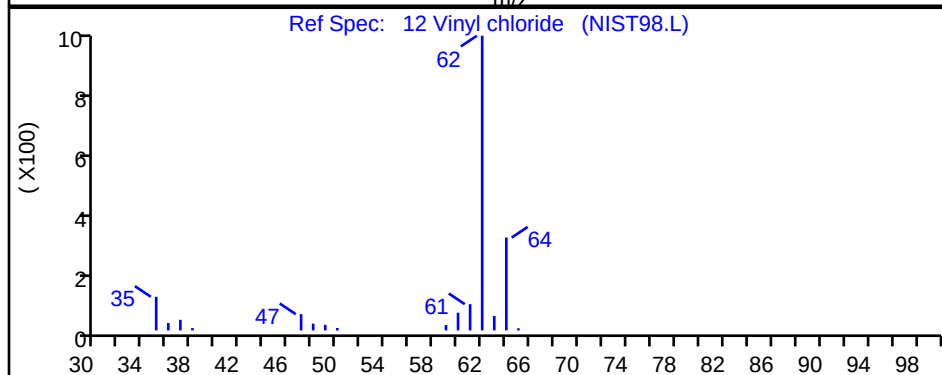
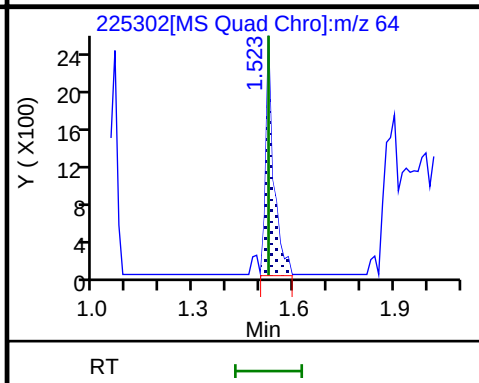
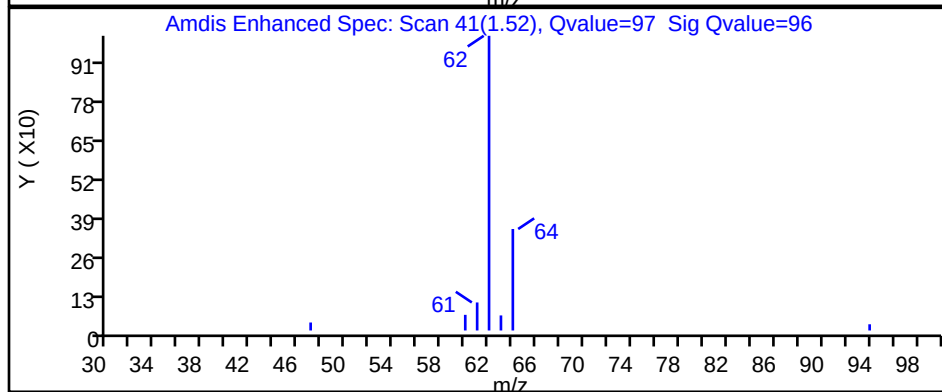
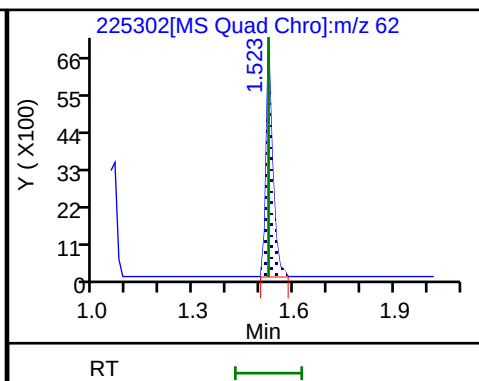
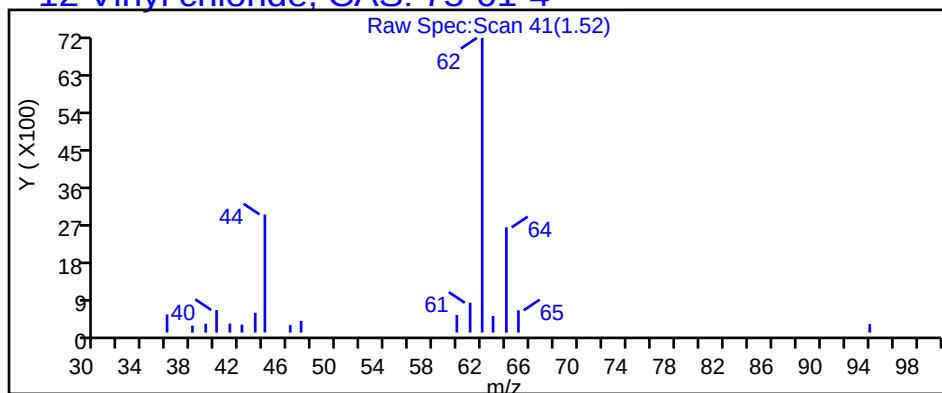
Dil. Factor: 3.3333

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

12 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>GW-101123-BE-040</u>	Lab Sample ID: <u>240-193522-22</u>
Matrix: <u>Water</u>	Lab File ID: <u>225303.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/11/2023 11:58</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/20/2023 19:57</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>10</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591678</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	10	U	10	4.8
79-34-5	1,1,2,2-Tetrachloroethane	10	U	10	6.0
79-00-5	1,1,2-Trichloroethane	10	U	10	4.8
75-34-3	1,1-Dichloroethane	10	U	10	4.7
75-35-4	1,1-Dichloroethene	10	U	10	4.9
107-06-2	1,2-Dichloroethane	10	U	10	4.6
78-87-5	1,2-Dichloropropane	10	U	10	4.7
591-78-6	2-Hexanone	100	U	100	11
67-64-1	Acetone	100	U	100	54
71-43-2	Benzene	10	U	10	4.2
75-25-2	Bromoform	10	U	10	7.6
74-83-9	Bromomethane	10	U	10	4.2
75-15-0	Carbon disulfide	10	U	10	5.9
56-23-5	Carbon tetrachloride	10	U	10	2.6
108-90-7	Chlorobenzene	10	U	10	3.8
75-00-3	Chloroethane	10	U	10	8.3
67-66-3	Chloroform	10	U	10	4.7
74-87-3	Chloromethane	10	U	10	6.3
156-59-2	cis-1,2-Dichloroethene	150	U	10	4.6
10061-01-5	cis-1,3-Dichloropropene	10	U	10	6.1
75-27-4	Dichlorobromomethane	10	U	10	3.8
100-41-4	Ethylbenzene	10	U	10	4.2
78-93-3	2-Butanone (MEK)	100	U	100	12
108-10-1	4-Methyl-2-pentanone (MIBK)	100	U	100	9.9
75-09-2	Methylene Chloride	50	U	50	26
100-42-5	Styrene	10	U	10	4.5
127-18-4	Tetrachloroethene	10	U	10	4.4
108-88-3	Toluene	10	U	10	4.4
156-60-5	trans-1,2-Dichloroethene	10	U	10	5.1
10061-02-6	trans-1,3-Dichloropropene	10	U	10	6.7
79-01-6	Trichloroethene	10	U	10	4.4
1330-20-7	Xylenes, Total	20	U	20	4.2
124-48-1	Chlorodibromomethane	10	U	10	3.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: GW-101123-BE-040 Lab Sample ID: 240-193522-22
Matrix: Water Lab File ID: 225303.D
Analysis Method: 8260D Date Collected: 10/11/2023 11:58
Sample wt/vol: 5 (mL) Date Analyzed: 10/20/2023 19:57
Soil Aliquot Vol: _____ Dilution Factor: 10
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 591678 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		62-137
460-00-4	4-Bromofluorobenzene (Surr)	87		56-136
2037-26-5	Toluene-d8 (Surr)	92		78-122
1868-53-7	Dibromofluoromethane (Surr)	92		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225303.D
 Lims ID: 240-193522-C-22
 Client ID: GW-101123-BE-040
 Sample Type: Client
 Inject. Date: 20-Oct-2023 19:57:01 ALS Bottle#: 0 Worklist Smp#: 17
 Purge Vol: 5.000 mL Dil. Factor: 10.0000
 Sample Info: 240-0134907-017
 Operator ID: 002808 Instrument ID: A3UX22
 Method: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 22-Oct-2023 15:07:24 Calib Date: 11-Sep-2023 18:19:34
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:12:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.251	7.251	0.000	98	1136950	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.394	0.000	87	816453	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	95	431920	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	273139	23.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	320474	25.3	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	94	998335	23.0	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.437	11.437	0.000	96	340833	21.7	
10 Chloromethane	50		1.429				ND	
12 Vinyl chloride	62	1.523	1.523	0.000	98	1750188	136.8	E
13 Bromomethane	94		1.856				ND	
15 Chloroethane	64		1.962				ND	
20 1,1-Dichloroethene	96		2.864				ND	
22 Acetone	43	3.077	3.065	0.012	98	6984	1.11	
25 Carbon disulfide	76		3.101				ND	
29 Methylene Chloride	84		3.658				ND	7
32 trans-1,2-Dichloroethene	96		4.014				ND	
35 1,1-Dichloroethane	63	4.867	4.856	0.011	90	3766	0.2038	
41 cis-1,2-Dichloroethene	96	5.804	5.793	0.011	50	167113	15.3	
40 2-Butanone (MEK)	72		5.887				ND	
48 Chloroform	83	6.255	6.267	-0.012	91	2026	0.1121	
49 1,1,1-Trichloroethane	97		6.397				ND	
52 Carbon tetrachloride	117		6.552				ND	
54 Benzene	78		6.872				ND	
55 1,2-Dichloroethane	62		7.014				ND	
59 Trichloroethene	130		7.666				ND	
62 1,2-Dichloropropane	63		7.975				ND	
66 Dichlorobromomethane	83	8.283	8.283	0.000	91	1374	0.1079	
69 cis-1,3-Dichloropropene	75		8.781				ND	
70 4-Methyl-2-pentanone (MIBK)	43		8.947				ND	
71 Toluene	91		9.054				ND	7
72 trans-1,3-Dichloropropene	75		9.386				ND	
74 1,1,2-Trichloroethane	97		9.552				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
75 Tetrachloroethene	166		9.576				ND	
77 2-Hexanone	43		9.777				ND	
79 Chlorodibromomethane	129		9.884				ND	
83 Chlorobenzene	112		10.417				ND	
85 Ethylbenzene	106		10.500				ND	
86 m-Xylene & p-Xylene	106		10.607				ND	7
87 o-Xylene	106		10.951				ND	
88 Styrene	104		10.975				ND	
89 Bromoform	173		11.165				ND	
93 1,1,2,2-Tetrachloroethane	83		11.580				ND	
S 128 Xylenes, Total	106		16.520				ND	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Reagents:

vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm25UX18IS_00009	Amount Added: 5.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225303.D

Injection Date: 20-Oct-2023 19:57:01

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: 240-193522-C-22

Lab Sample ID: 240-193522-22

Worklist Smp#: 17

Client ID: GW-101123-BE-040

Purge Vol: 5.000 mL

Dil. Factor: 10.0000

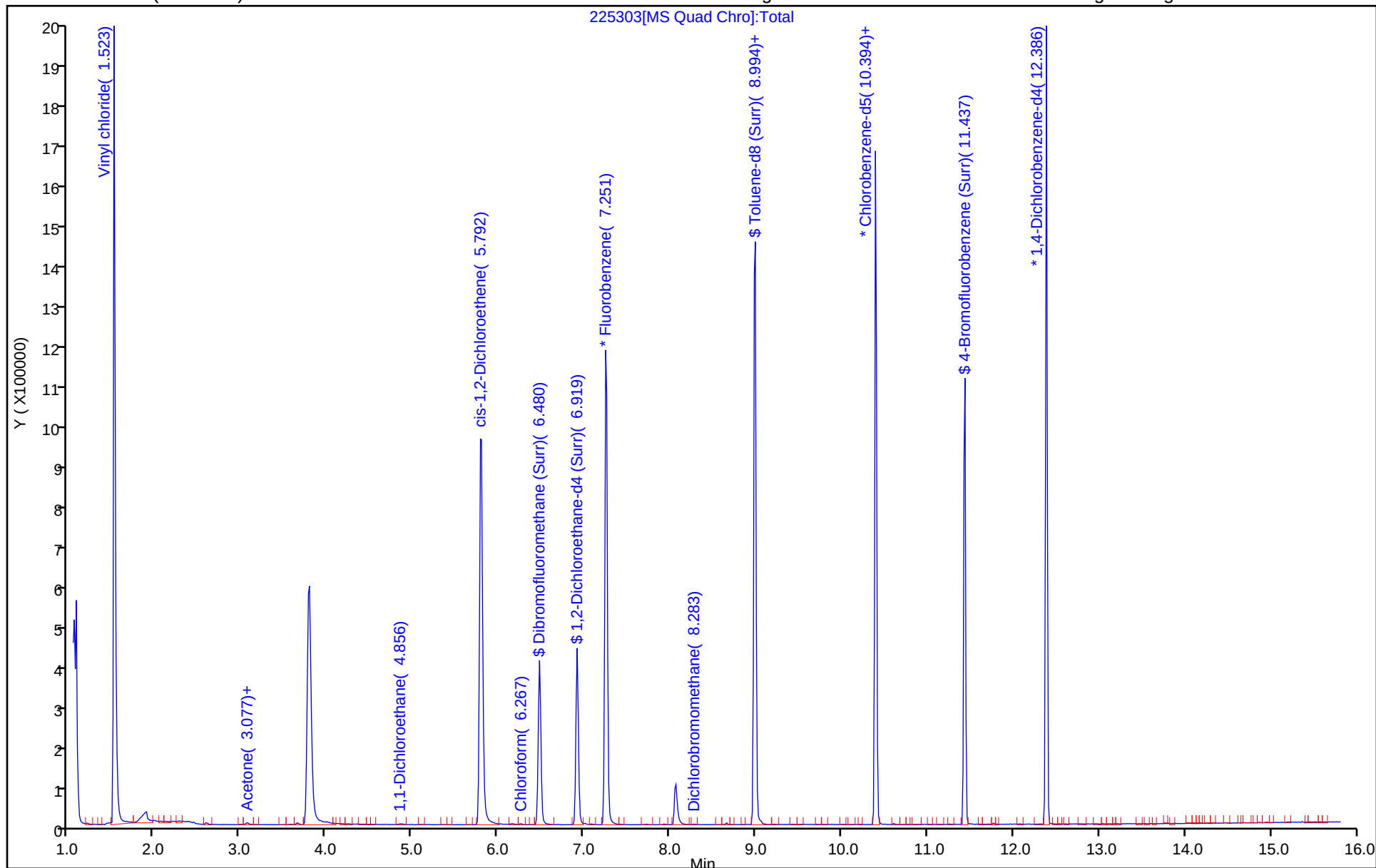
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225303.D
Lims ID: 240-193522-C-22
Client ID: GW-101123-BE-040
Sample Type: Client
Inject. Date: 20-Oct-2023 19:57:01 ALS Bottle#: 0 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 10.0000
Sample Info: 240-0134907-017
Operator ID: 002808 Instrument ID: A3UX22
Method: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Oct-2023 15:07:24 Calib Date: 11-Sep-2023 18:19:34
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:12:54

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	23.0	92.18
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	25.3	101.01
\$ 6 Toluene-d8 (Surr)	25.0	23.0	92.11
\$ 7 4-Bromofluorobenzene (Surr)	25.0	21.7	86.87

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225303.D

Injection Date: 20-Oct-2023 19:57:01

Instrument ID: A3UX22

Lims ID: 240-193522-C-22

Lab Sample ID: 240-193522-22

Client ID: GW-101123-BE-040

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 17

Purge Vol: 5.000 mL

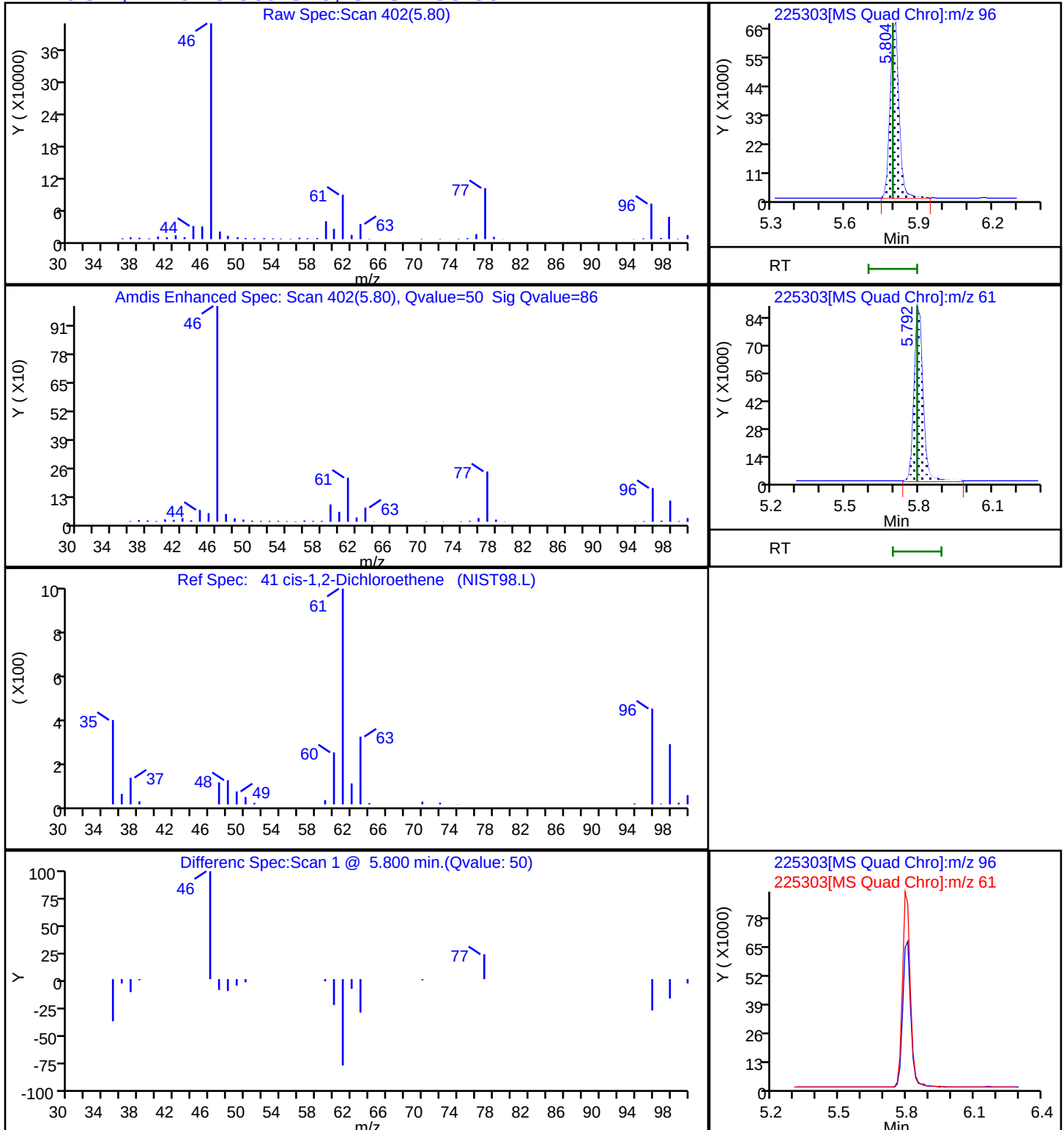
Dil. Factor: 10.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

41 cis-1,2-Dichloroethene, CAS: 156-59-2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: GW-101123-BE-040 Lab Sample ID: 240-193522-22
Matrix: Water Lab File ID: 225340.D
Analysis Method: 8260D Date Collected: 10/11/2023 11:58
Sample wt/vol: 5 (mL) Date Analyzed: 10/22/2023 23:49
Soil Aliquot Vol: _____ Dilution Factor: 50
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 591760 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-01-4	Vinyl chloride	1300		50	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		62-137
460-00-4	4-Bromofluorobenzene (Surr)	87		56-136
2037-26-5	Toluene-d8 (Surr)	90		78-122
1868-53-7	Dibromofluoromethane (Surr)	96		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225340.D
 Lims ID: 240-193522-B-22
 Client ID: GW-101123-BE-040
 Sample Type: Client
 Inject. Date: 22-Oct-2023 23:49:13 ALS Bottle#: 0 Worklist Smp#: 24
 Purge Vol: 5.000 mL Dil. Factor: 50.0000
 Sample Info: 240-0134937-024
 Operator ID: 002808 Instrument ID: A3UX22
 Method: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 23-Oct-2023 12:00:02 Calib Date: 11-Sep-2023 18:19:34
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1668

First Level Reviewer: PHN3

Date: 23-Oct-2023 11:53:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.251	7.251	0.000	99	1105372	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.394	0.000	87	813637	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	95	437316	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	277843	24.1	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	315344	25.6	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	94	977095	22.6	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.437	11.437	0.000	97	340900	21.8	
10 Chloromethane	50		1.428				ND	
12 Vinyl chloride	62	1.523	1.523	0.000	99	315612	25.4	
13 Bromomethane	94		1.855				ND	
15 Chloroethane	64		1.962				ND	
20 1,1-Dichloroethene	96		2.863				ND	
22 Acetone	43	3.077	3.065	0.012	98	2596	0.4228	
25 Carbon disulfide	76		3.101				ND	
29 Methylene Chloride	84		3.658				ND	7
32 trans-1,2-Dichloroethene	96		4.014				ND	
35 1,1-Dichloroethane	63		4.856				ND	
41 cis-1,2-Dichloroethene	96	5.804	5.792	0.012	40	29332	2.76	
40 2-Butanone (MEK)	72		5.887				ND	
48 Chloroform	83	6.255	6.267	-0.012	84	1890	0.1076	
49 1,1,1-Trichloroethane	97		6.397				ND	
52 Carbon tetrachloride	117		6.551				ND	
54 Benzene	78		6.872				ND	
55 1,2-Dichloroethane	62		7.014				ND	
59 Trichloroethene	130		7.666				ND	
62 1,2-Dichloropropane	63		7.974				ND	
66 Dichlorobromomethane	83	8.283	8.283	0.000	93	1508	0.1218	
69 cis-1,3-Dichloropropene	75		8.781				ND	
70 4-Methyl-2-pentanone (MIBK)	43		8.947				ND	
71 Toluene	91		9.054				ND	7
72 trans-1,3-Dichloropropene	75		9.386				ND	
74 1,1,2-Trichloroethane	97		9.552				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
75 Tetrachloroethene	166		9.575				ND	
77 2-Hexanone	43		9.777				ND	
79 Chlorodibromomethane	129		9.884				ND	
83 Chlorobenzene	112		10.417				ND	
85 Ethylbenzene	106		10.500				ND	
86 m-Xylene & p-Xylene	106		10.607				ND	
87 o-Xylene	106		10.951				ND	
88 Styrene	104		10.975				ND	
89 Bromoform	173		11.164				ND	
93 1,1,2,2-Tetrachloroethane	83		11.579				ND	
S 128 Xylenes, Total	106		16.520				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm25UX18IS_00009	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 23-Oct-2023 12:00:37

Chrom Revision: 2.3 22-Sep-2023 11:33:50

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225340.D

Injection Date: 22-Oct-2023 23:49:13

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: 240-193522-B-22

Lab Sample ID: 240-193522-22

Worklist Smp#: 24

Client ID: GW-101123-BE-040

Purge Vol: 5.000 mL

Dil. Factor: 50.0000

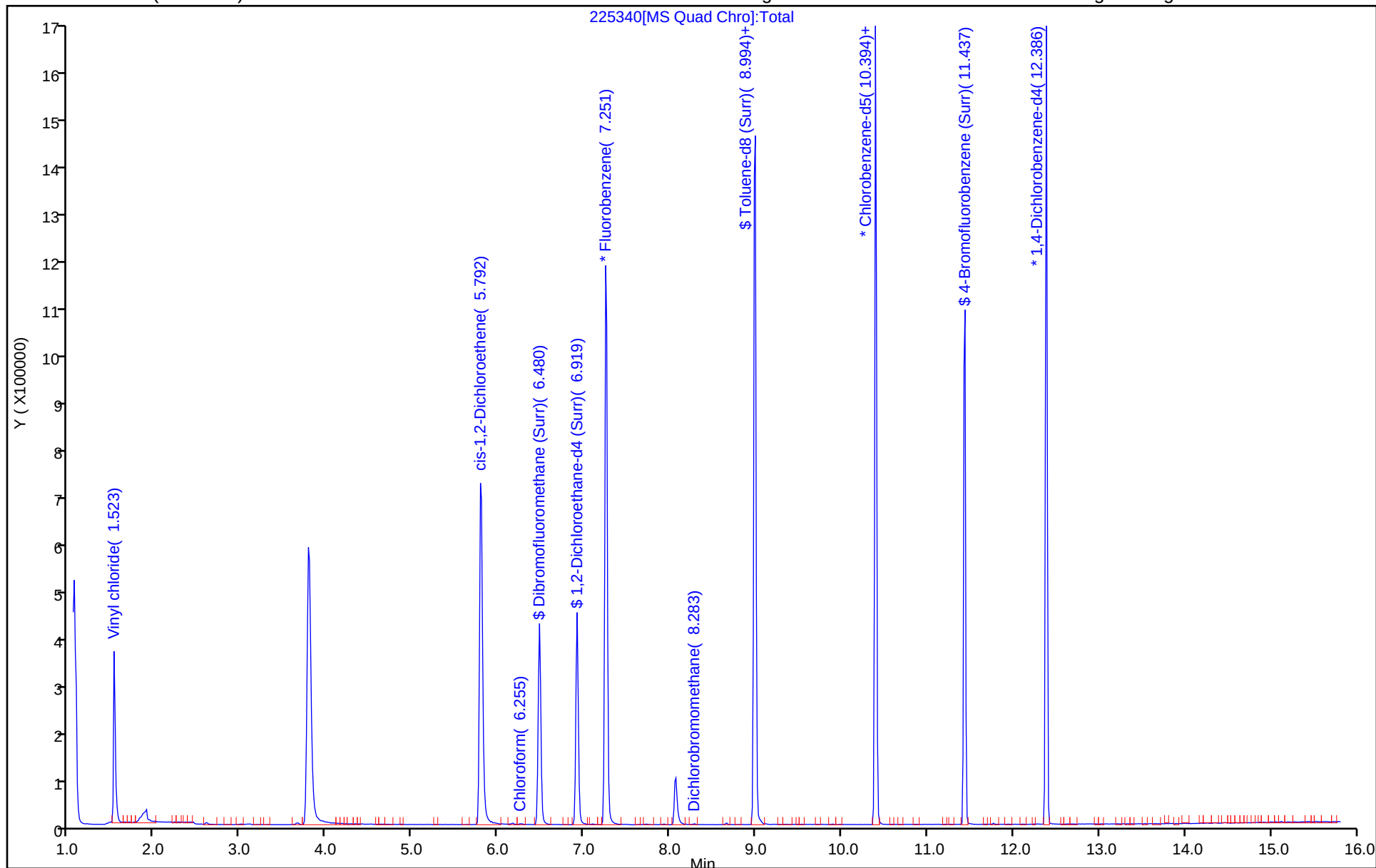
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225340.D
Lims ID: 240-193522-B-22
Client ID: GW-101123-BE-040
Sample Type: Client
Inject. Date: 22-Oct-2023 23:49:13 ALS Bottle#: 0 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 50.0000
Sample Info: 240-0134937-024
Operator ID: 002808 Instrument ID: A3UX22
Method: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Oct-2023 12:00:02 Calib Date: 11-Sep-2023 18:19:34
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: PHN3

Date: 23-Oct-2023 11:53:27

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	24.1	96.45
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	25.6	102.23
\$ 6 Toluene-d8 (Surr)	25.0	22.6	90.46
\$ 7 4-Bromofluorobenzene (Surr)	25.0	21.8	87.19

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225340.D

Injection Date: 22-Oct-2023 23:49:13

Instrument ID: A3UX22

Lims ID: 240-193522-B-22

Lab Sample ID: 240-193522-22

Client ID: GW-101123-BE-040

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 24

Purge Vol: 5.000 mL

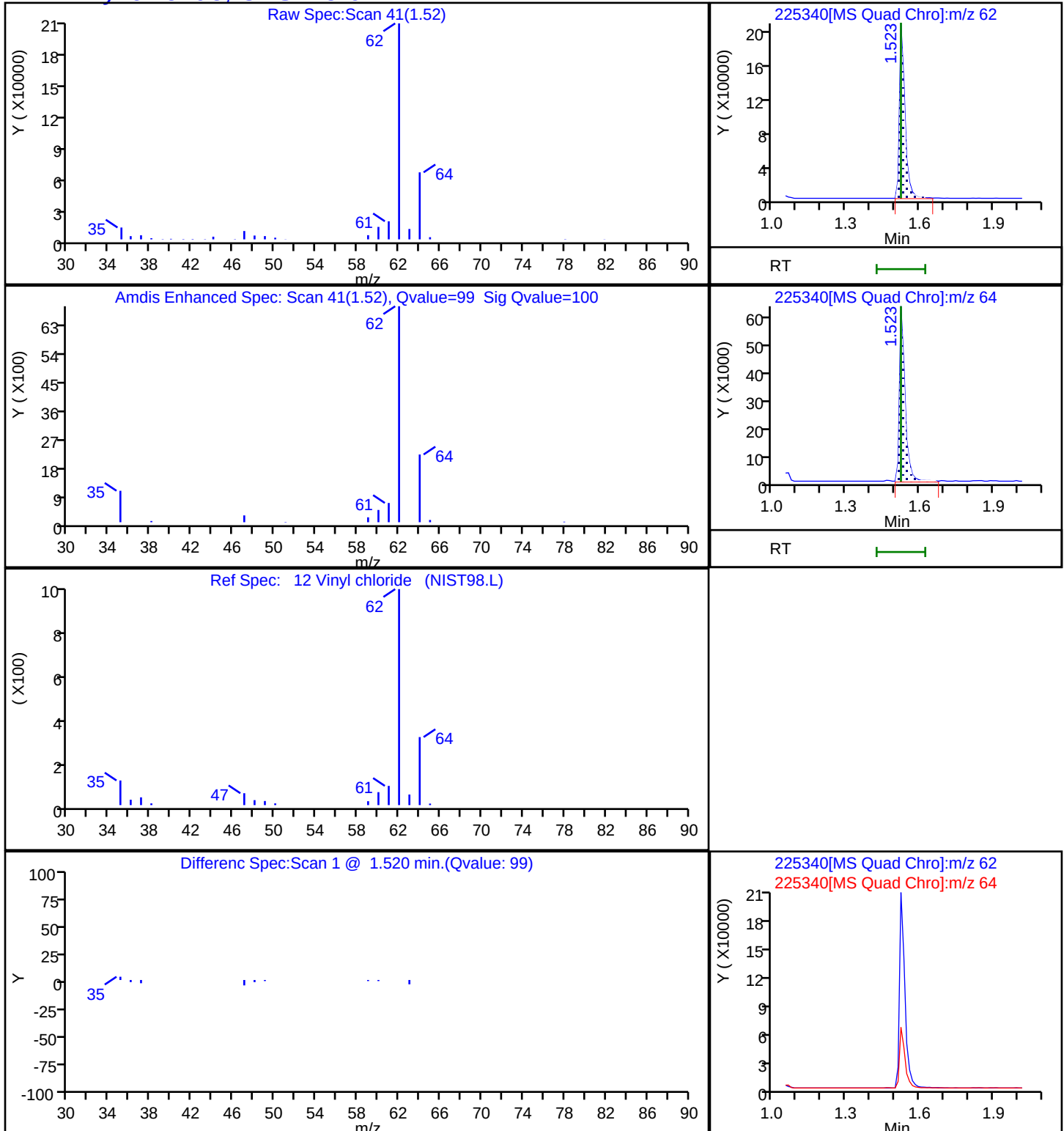
Dil. Factor: 50.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

12 Vinyl chloride, CAS: 75-01-4

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>EB-101123-BE-004</u>	Lab Sample ID: <u>240-193522-23</u>
Matrix: <u>Water</u>	Lab File ID: <u>225304.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/11/2023 12:45</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/20/2023 20:20</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591678</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.48
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.46
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
591-78-6	2-Hexanone	10	U	10	1.1
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.42
78-93-3	2-Butanone (MEK)	10	U	10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	10	0.99
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
100-42-5	Styrene	1.0	U	1.0	0.45
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-01-4	Vinyl chloride	1.0	U	1.0	0.45
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: EB-101123-BE-004 Lab Sample ID: 240-193522-23
Matrix: Water Lab File ID: 225304.D
Analysis Method: 8260D Date Collected: 10/11/2023 12:45
Sample wt/vol: 5 (mL) Date Analyzed: 10/20/2023 20:20
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.: 591678 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		62-137
460-00-4	4-Bromofluorobenzene (Surr)	87		56-136
2037-26-5	Toluene-d8 (Surr)	91		78-122
1868-53-7	Dibromofluoromethane (Surr)	94		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225304.D
 Lims ID: 240-193522-C-23
 Client ID: EB-101123-BE-004
 Sample Type: Client
 Inject. Date: 20-Oct-2023 20:20:46 ALS Bottle#: 0 Worklist Smp#: 18
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134907-018
 Operator ID: 002808 Instrument ID: A3UX22
 Method: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 22-Oct-2023 15:07:24 Calib Date: 11-Sep-2023 18:19:34
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:13:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.251	7.251	0.000	99	1105900	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.394	0.000	87	808726	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	95	421255	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	269924	23.4	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	317121	25.7	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	94	972903	22.7	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.437	11.437	0.000	95	339828	21.9	
10 Chloromethane	50		1.429				ND	
12 Vinyl chloride	62	1.523	1.523	0.000	96	2835	0.2278	
13 Bromomethane	94		1.856				ND	
15 Chloroethane	64		1.962				ND	
20 1,1-Dichloroethene	96		2.864				ND	
22 Acetone	43	3.065	3.065	0.000	99	6353	1.03	
25 Carbon disulfide	76		3.101				ND	7
29 Methylene Chloride	84		3.658				ND	
32 trans-1,2-Dichloroethene	96		4.014				ND	
35 1,1-Dichloroethane	63		4.856				ND	
41 cis-1,2-Dichloroethene	96	5.804	5.793	0.011	39	2704	0.2545	
40 2-Butanone (MEK)	72		5.887				ND	
48 Chloroform	83		6.267				ND	7
49 1,1,1-Trichloroethane	97		6.397				ND	
52 Carbon tetrachloride	117		6.552				ND	
54 Benzene	78		6.872				ND	
55 1,2-Dichloroethane	62		7.014				ND	
59 Trichloroethene	130		7.666				ND	
62 1,2-Dichloropropane	63		7.975				ND	
66 Dichlorobromomethane	83		8.283				ND	
69 cis-1,3-Dichloropropene	75		8.781				ND	
70 4-Methyl-2-pentanone (MIBK)	43		8.947				ND	
71 Toluene	91		9.054				ND	7
72 trans-1,3-Dichloropropene	75		9.386				ND	
74 1,1,2-Trichloroethane	97		9.552				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
75 Tetrachloroethene	166		9.576				ND	
77 2-Hexanone	43		9.777				ND	
79 Chlorodibromomethane	129		9.884				ND	
83 Chlorobenzene	112		10.417				ND	
85 Ethylbenzene	106		10.500				ND	
86 m-Xylene & p-Xylene	106		10.607				ND	7
87 o-Xylene	106		10.951				ND	
88 Styrene	104		10.975				ND	
89 Bromoform	173		11.165				ND	
93 1,1,2,2-Tetrachloroethane	83		11.580				ND	
S 128 Xylenes, Total	106		16.520				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm25UX18IS_00009	Amount Added: 5.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225304.D

Injection Date: 20-Oct-2023 20:20:46

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: 240-193522-C-23

Lab Sample ID: 240-193522-23

Worklist Smp#: 18

Client ID: EB-101123-BE-004

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

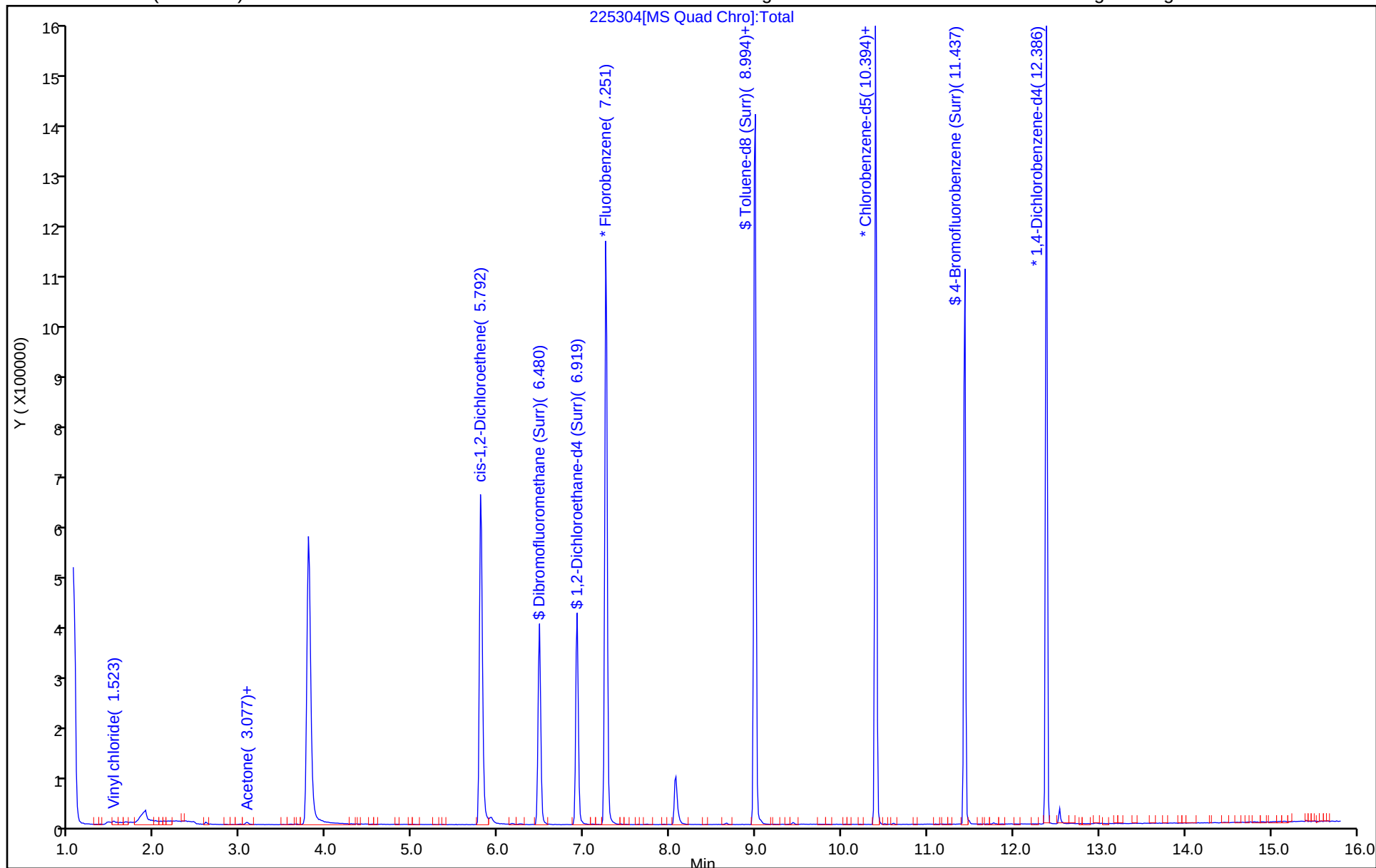
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225304.D
Lims ID: 240-193522-C-23
Client ID: EB-101123-BE-004
Sample Type: Client
Inject. Date: 20-Oct-2023 20:20:46 ALS Bottle#: 0 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0134907-018
Operator ID: 002808 Instrument ID: A3UX22
Method: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Oct-2023 15:07:24 Calib Date: 11-Sep-2023 18:19:34
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:13:38

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	23.4	93.65
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	25.7	102.76
\$ 6 Toluene-d8 (Surr)	25.0	22.7	90.62
\$ 7 4-Bromofluorobenzene (Surr)	25.0	21.9	87.44

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>GW-101123-BE-041</u>	Lab Sample ID: <u>240-193522-24</u>
Matrix: <u>Water</u>	Lab File ID: <u>225341.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/11/2023 13:30</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/23/2023 00:13</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>20</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591760</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	160		20	9.6
79-34-5	1,1,2,2-Tetrachloroethane	20	U	20	12
79-00-5	1,1,2-Trichloroethane	20	U	20	9.6
75-34-3	1,1-Dichloroethane	50		20	9.4
75-35-4	1,1-Dichloroethene	20	U	20	9.8
107-06-2	1,2-Dichloroethane	20	U	20	9.1
78-87-5	1,2-Dichloropropane	20	U	20	9.4
591-78-6	2-Hexanone	200	U	200	22
67-64-1	Acetone	200	U	200	110
71-43-2	Benzene	20	U	20	8.4
75-25-2	Bromoform	20	U	20	15
74-83-9	Bromomethane	20	U	20	8.4
75-15-0	Carbon disulfide	20	U	20	12
56-23-5	Carbon tetrachloride	20	U	20	5.2
108-90-7	Chlorobenzene	20	U	20	7.6
75-00-3	Chloroethane	20	U	20	17
67-66-3	Chloroform	20	U	20	9.4
74-87-3	Chloromethane	20	U	20	13
156-59-2	cis-1,2-Dichloroethene	210		20	9.2
10061-01-5	cis-1,3-Dichloropropene	20	U	20	12
75-27-4	Dichlorobromomethane	20	U	20	7.5
100-41-4	Ethylbenzene	20	U	20	8.4
78-93-3	2-Butanone (MEK)	200	U	200	23
108-10-1	4-Methyl-2-pentanone (MIBK)	200	U	200	20
75-09-2	Methylene Chloride	100	U	100	52
100-42-5	Styrene	20	U	20	9.0
127-18-4	Tetrachloroethene	20	U	20	8.8
108-88-3	Toluene	20	U	20	8.8
156-60-5	trans-1,2-Dichloroethene	20	U	20	10
10061-02-6	trans-1,3-Dichloropropene	20	U	20	13
79-01-6	Trichloroethene	800		20	8.8
75-01-4	Vinyl chloride	20	U	20	9.0
1330-20-7	Xylenes, Total	40	U	40	8.4
124-48-1	Chlorodibromomethane	20	U	20	7.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: GW-101123-BE-041 Lab Sample ID: 240-193522-24
Matrix: Water Lab File ID: 225341.D
Analysis Method: 8260D Date Collected: 10/11/2023 13:30
Sample wt/vol: 5 (mL) Date Analyzed: 10/23/2023 00:13
Soil Aliquot Vol: _____ Dilution Factor: 20
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 591760 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		62-137
460-00-4	4-Bromofluorobenzene (Surr)	87		56-136
2037-26-5	Toluene-d8 (Surr)	92		78-122
1868-53-7	Dibromofluoromethane (Surr)	96		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225341.D
 Lims ID: 240-193522-B-24
 Client ID: GW-101123-BE-041
 Sample Type: Client
 Inject. Date: 23-Oct-2023 00:13:46 ALS Bottle#: 0 Worklist Smp#: 25
 Purge Vol: 5.000 mL Dil. Factor: 20.0000
 Sample Info: 240-0134937-025
 Operator ID: 002808 Instrument ID: A3UX22
 Method: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 23-Oct-2023 12:00:02 Calib Date: 11-Sep-2023 18:19:34
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1668

First Level Reviewer: PHN3

Date: 23-Oct-2023 11:54:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.251	7.251	0.000	98	1075351	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.394	0.000	88	786728	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	95	427556	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	269844	24.1	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	307173	25.6	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	94	957045	22.9	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.425	11.437	-0.012	92	327309	21.6	
10 Chloromethane	50		1.428				ND	
12 Vinyl chloride	62	1.523	1.523	0.000	96	3817	0.3154	
13 Bromomethane	94		1.855				ND	
15 Chloroethane	64		1.962				ND	
20 1,1-Dichloroethene	96	2.863	2.863	0.000	93	3280	0.4045	
22 Acetone	43	3.065	3.065	0.000	97	3397	0.5687	
25 Carbon disulfide	76		3.101				ND	7
29 Methylene Chloride	84		3.658				ND	7
32 trans-1,2-Dichloroethene	96	4.014	4.014	0.000	94	2312	0.2443	
35 1,1-Dichloroethane	63	4.856	4.856	0.000	96	43623	2.50	
41 cis-1,2-Dichloroethene	96	5.793	5.792	0.001	47	109261	10.6	
40 2-Butanone (MEK)	72		5.887				ND	
48 Chloroform	83	6.255	6.267	-0.012	95	4213	0.2464	
49 1,1,1-Trichloroethane	97	6.397	6.397	0.000	98	110374	7.80	
52 Carbon tetrachloride	117		6.551				ND	
54 Benzene	78		6.872				ND	
55 1,2-Dichloroethane	62		7.014				ND	
59 Trichloroethene	130	7.666	7.666	0.000	97	434744	40.2	
62 1,2-Dichloropropane	63		7.974				ND	
66 Dichlorobromomethane	83		8.283				ND	7
69 cis-1,3-Dichloropropene	75		8.781				ND	
70 4-Methyl-2-pentanone (MIBK)	43		8.947				ND	
71 Toluene	91		9.054				ND	7
72 trans-1,3-Dichloropropene	75		9.386				ND	
74 1,1,2-Trichloroethane	97		9.552				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
75 Tetrachloroethene	166	9.564	9.575	-0.011	88	1210	0.1140	
77 2-Hexanone	43		9.777				ND	
79 Chlorodibromomethane	129		9.884				ND	
83 Chlorobenzene	112		10.417				ND	
85 Ethylbenzene	106		10.500				ND	
86 m-Xylene & p-Xylene	106		10.607				ND	
87 o-Xylene	106		10.951				ND	
88 Styrene	104		10.975				ND	
89 Bromoform	173		11.164				ND	
93 1,1,2,2-Tetrachloroethane	83		11.579				ND	
S 128 Xylenes, Total	106		16.520				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm25UX18IS_00009	Amount Added: 5.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225341.D

Injection Date: 23-Oct-2023 00:13:46

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: 240-193522-B-24

Lab Sample ID: 240-193522-24

Worklist Smp#: 25

Client ID: GW-101123-BE-041

Purge Vol: 5.000 mL

Dil. Factor: 20.0000

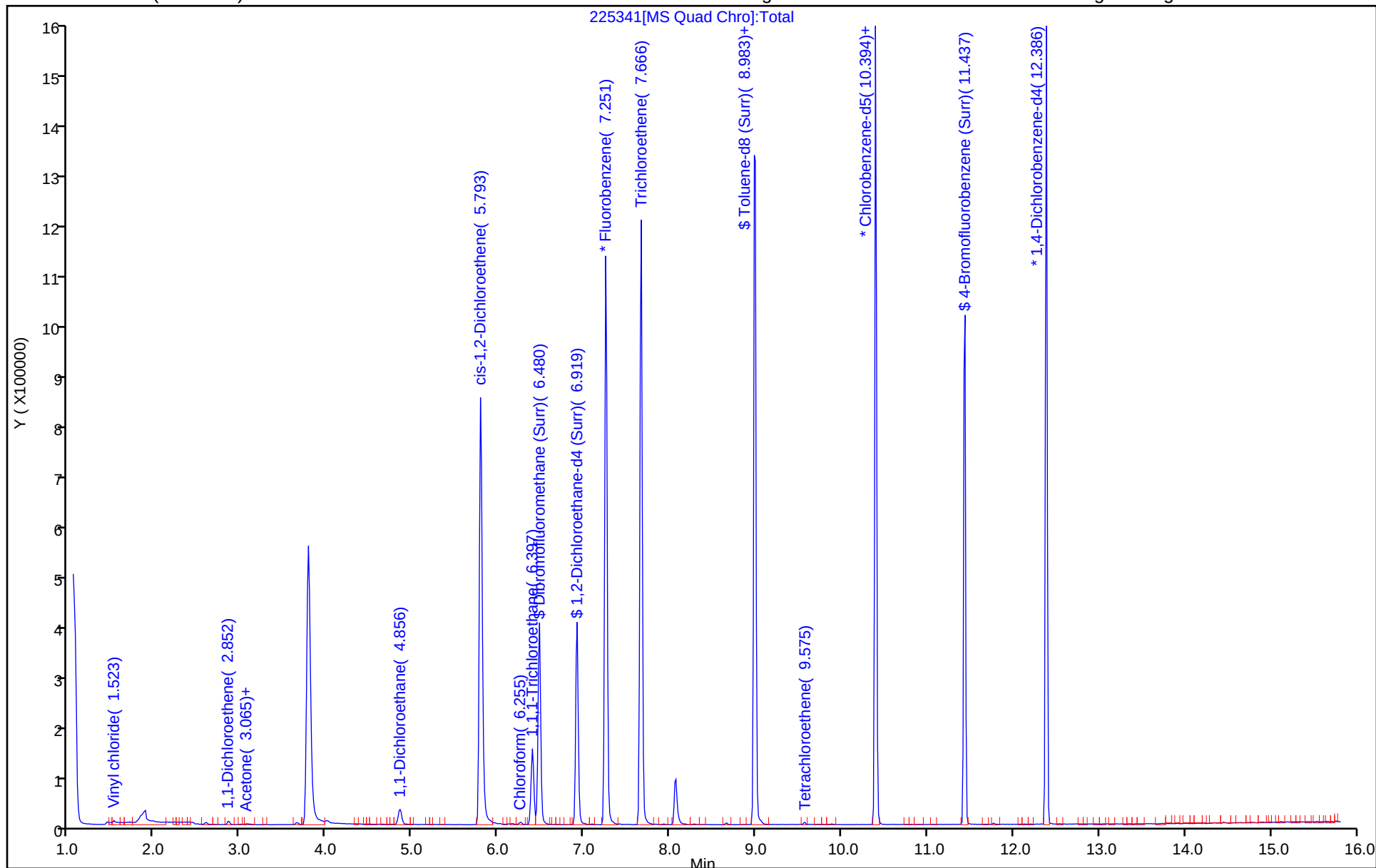
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225341.D
Lims ID: 240-193522-B-24
Client ID: GW-101123-BE-041
Sample Type: Client
Inject. Date: 23-Oct-2023 00:13:46 ALS Bottle#: 0 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 20.0000
Sample Info: 240-0134937-025
Operator ID: 002808 Instrument ID: A3UX22
Method: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Oct-2023 12:00:02 Calib Date: 11-Sep-2023 18:19:34
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: PHN3

Date: 23-Oct-2023 11:54:28

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	24.1	96.28
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	25.6	102.37
\$ 6 Toluene-d8 (Surr)	25.0	22.9	91.63
\$ 7 4-Bromofluorobenzene (Surr)	25.0	21.6	86.57

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225341.D

Injection Date: 23-Oct-2023 00:13:46

Instrument ID: A3UX22

Lims ID: 240-193522-B-24

Lab Sample ID: 240-193522-24

Client ID: GW-101123-BE-041

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 25

Purge Vol: 5.000 mL

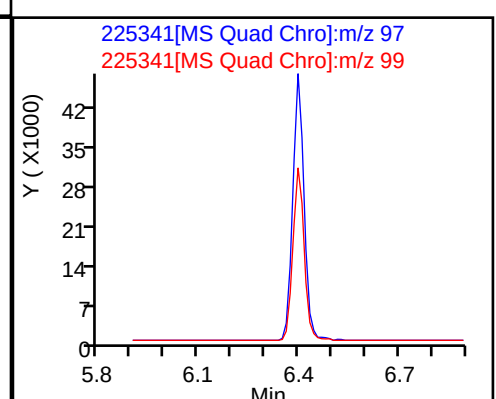
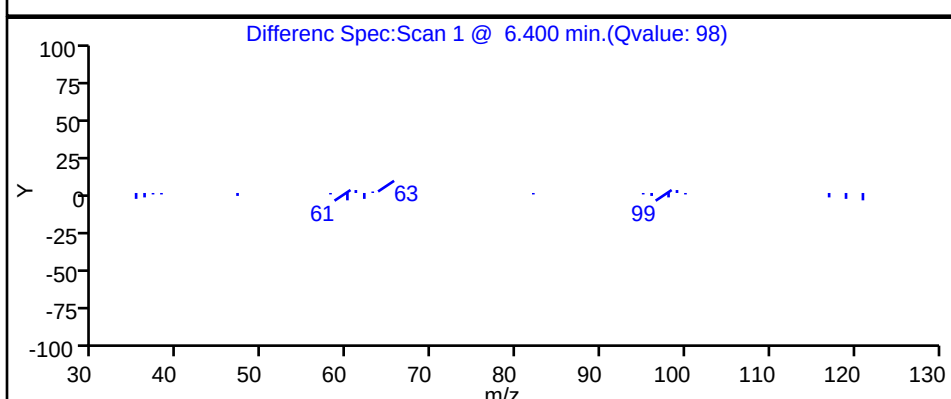
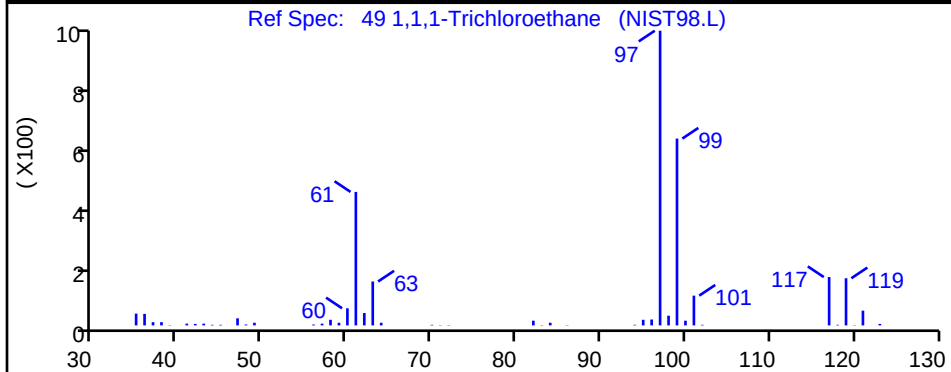
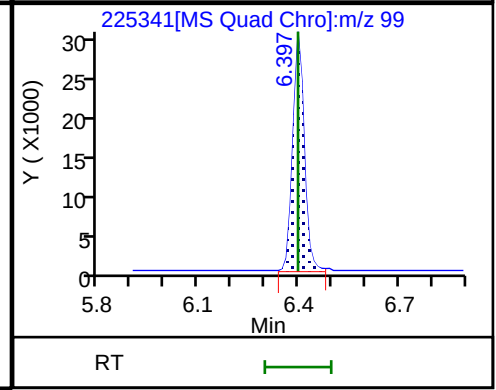
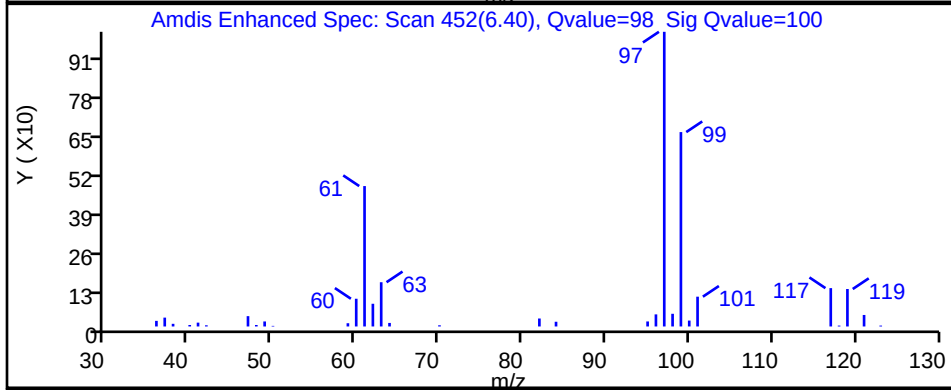
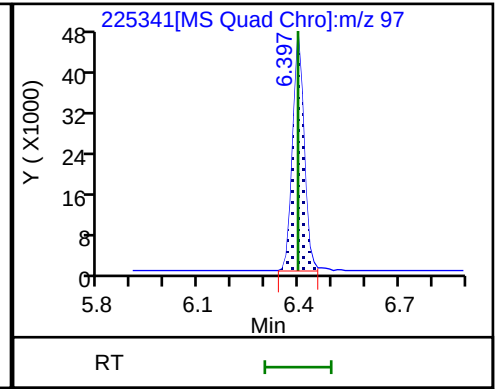
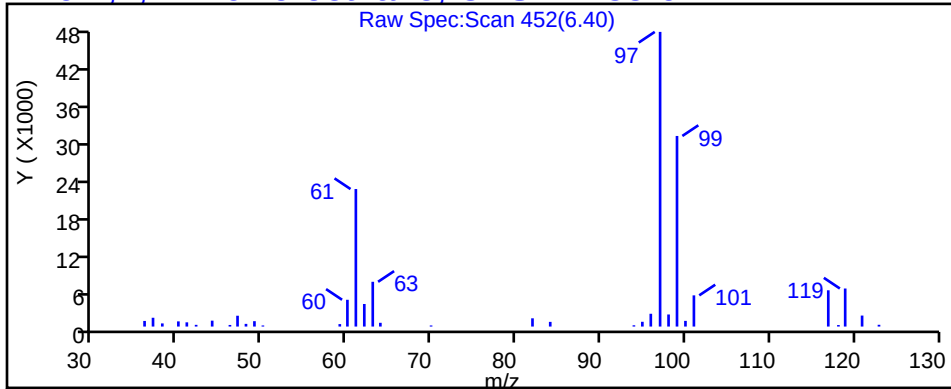
Dil. Factor: 20.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

49 1,1,1-Trichloroethane, CAS: 71-55-6

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225341.D

Injection Date: 23-Oct-2023 00:13:46

Instrument ID: A3UX22

Lims ID: 240-193522-B-24

Lab Sample ID: 240-193522-24

Client ID: GW-101123-BE-041

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 25

Purge Vol: 5.000 mL

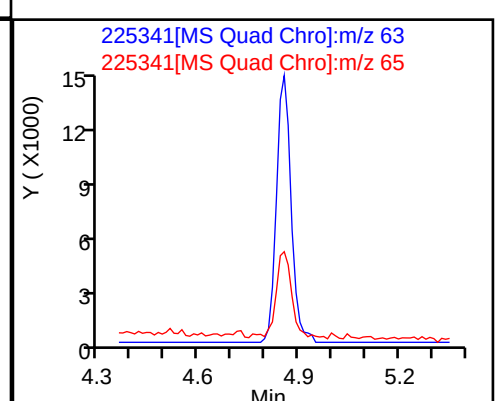
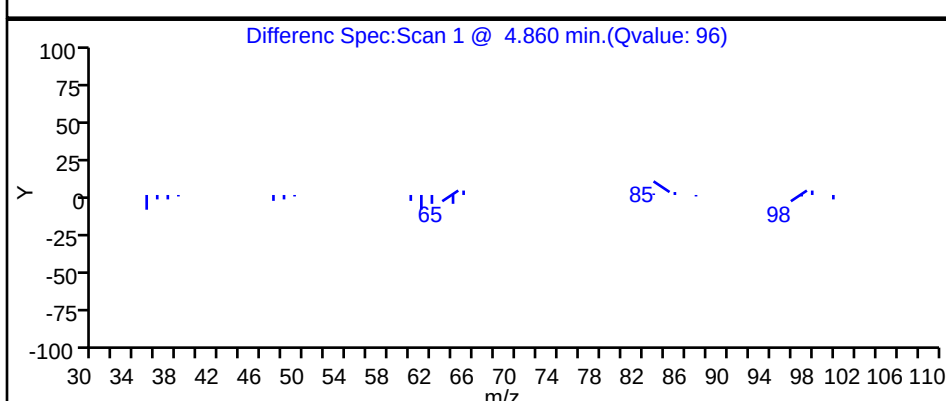
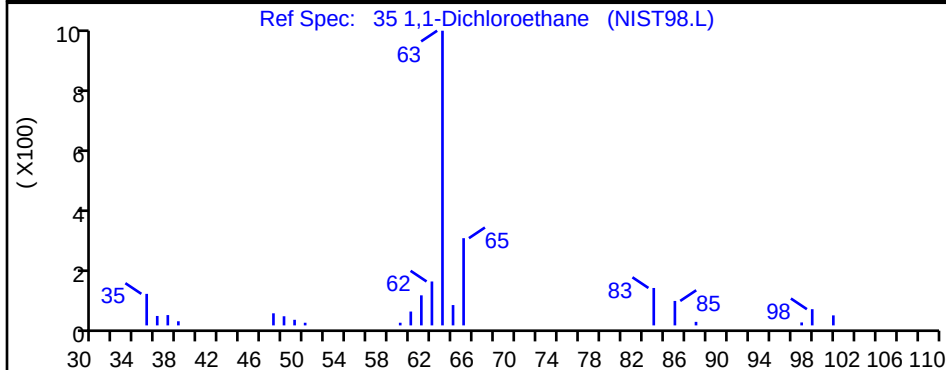
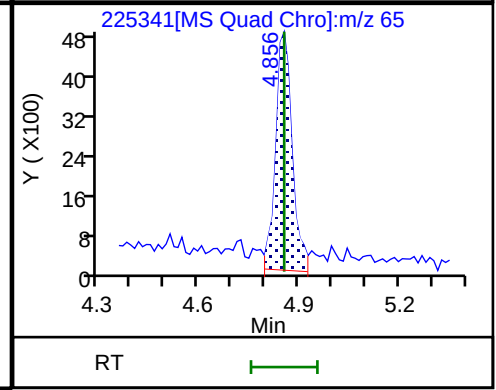
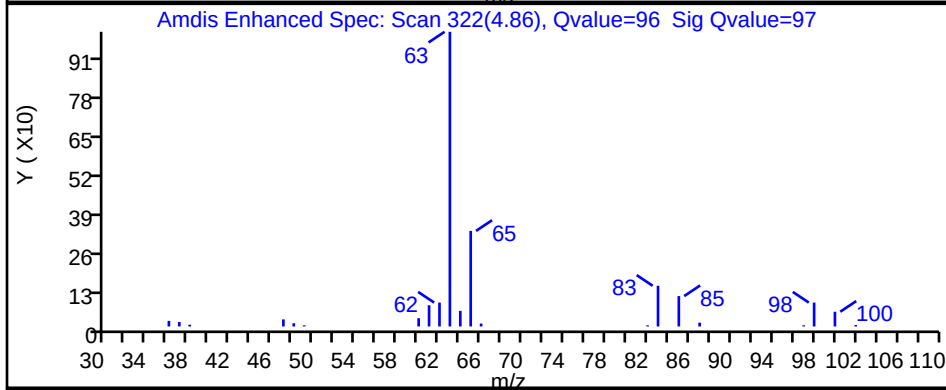
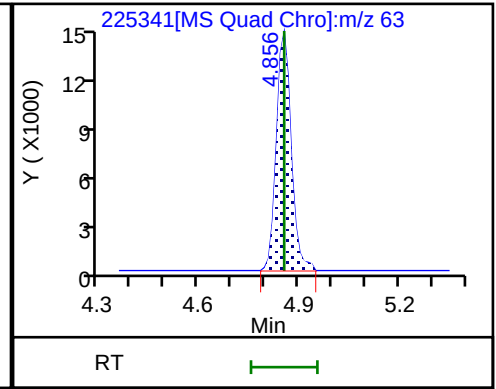
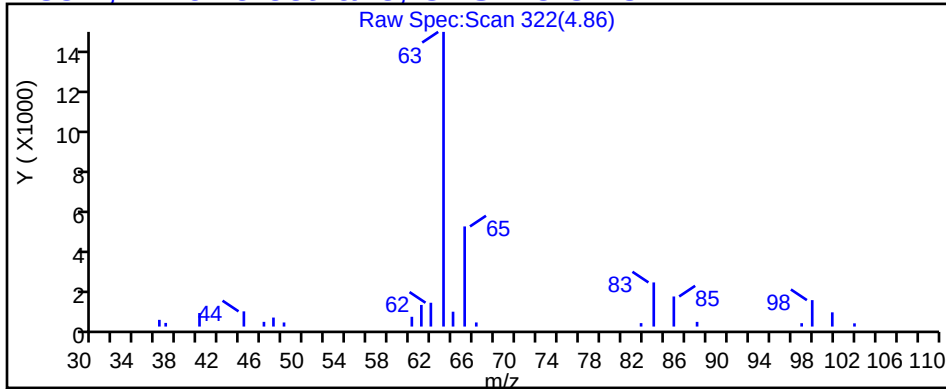
Dil. Factor: 20.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

35 1,1-Dichloroethane, CAS: 75-34-3

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225341.D

Injection Date: 23-Oct-2023 00:13:46

Instrument ID: A3UX22

Lims ID: 240-193522-B-24

Lab Sample ID: 240-193522-24

Client ID: GW-101123-BE-041

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 25

Purge Vol: 5.000 mL

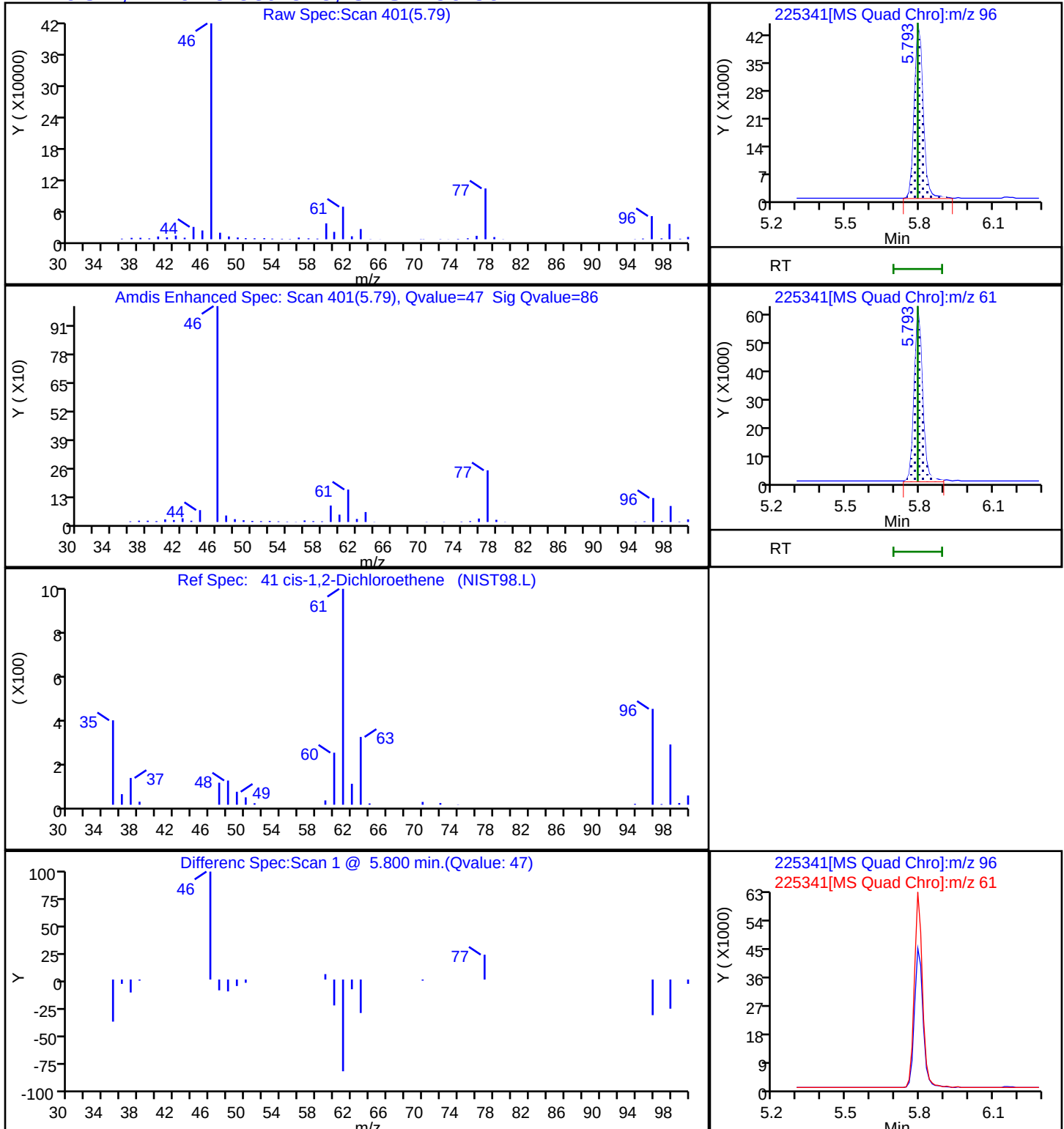
Dil. Factor: 20.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

41 cis-1,2-Dichloroethene, CAS: 156-59-2

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225341.D

Injection Date: 23-Oct-2023 00:13:46

Instrument ID: A3UX22

Lims ID: 240-193522-B-24

Lab Sample ID: 240-193522-24

Client ID: GW-101123-BE-041

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 25

Purge Vol: 5.000 mL

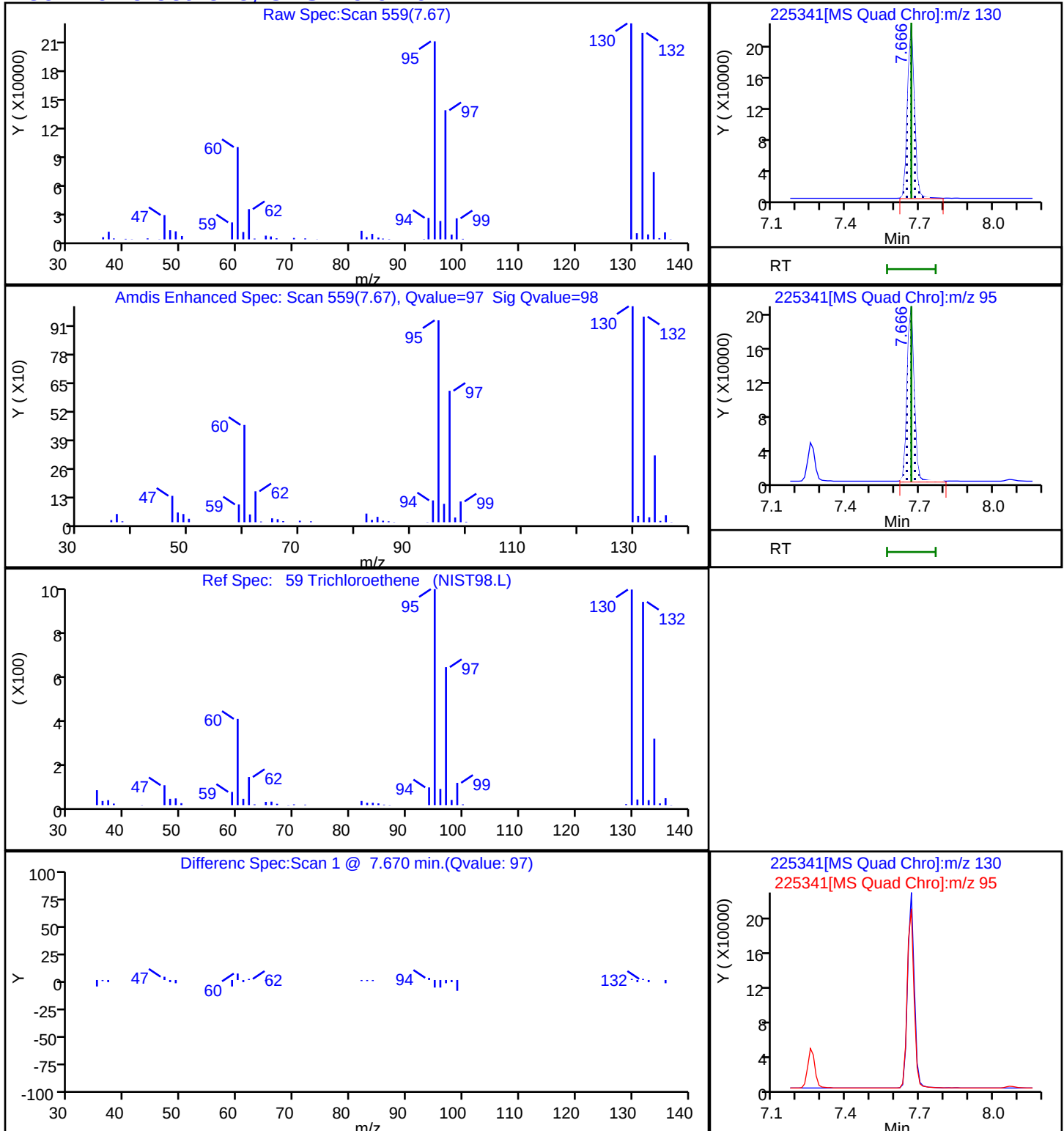
Dil. Factor: 20.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

59 Trichloroethene, CAS: 79-01-6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>GW-101223-BE-042</u>	Lab Sample ID: <u>240-193522-25</u>
Matrix: <u>Water</u>	Lab File ID: <u>225342.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/12/2023 09:46</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/23/2023 00:37</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591760</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.48
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.46
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
591-78-6	2-Hexanone	10	U	10	1.1
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
156-59-2	cis-1,2-Dichloroethene	1.5	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.42
78-93-3	2-Butanone (MEK)	10	U	10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	10	0.99
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
100-42-5	Styrene	1.0	U	1.0	0.45
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-01-4	Vinyl chloride	1.0	U	1.0	0.45
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: GW-101223-BE-042 Lab Sample ID: 240-193522-25
Matrix: Water Lab File ID: 225342.D
Analysis Method: 8260D Date Collected: 10/12/2023 09:46
Sample wt/vol: 5 (mL) Date Analyzed: 10/23/2023 00:37
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.: 591760 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		62-137
460-00-4	4-Bromofluorobenzene (Surr)	86		56-136
2037-26-5	Toluene-d8 (Surr)	91		78-122
1868-53-7	Dibromofluoromethane (Surr)	95		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225342.D
 Lims ID: 240-193522-B-25
 Client ID: GW-101223-BE-042
 Sample Type: Client
 Inject. Date: 23-Oct-2023 00:37:24 ALS Bottle#: 0 Worklist Smp#: 26
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134937-026
 Operator ID: 002808 Instrument ID: A3UX22
 Method: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 23-Oct-2023 12:00:02 Calib Date: 11-Sep-2023 18:19:34
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1668

First Level Reviewer: PHN3

Date: 23-Oct-2023 11:55:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.251	7.251	0.000	99	1096069	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.394	0.000	87	806311	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	95	430983	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	270082	23.6	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	311110	25.4	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	94	978606	22.9	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.437	11.437	0.000	96	333777	21.5	
10 Chloromethane	50		1.428				ND	
12 Vinyl chloride	62	1.523	1.523	0.000	92	1420	0.1151	
13 Bromomethane	94		1.855				ND	
15 Chloroethane	64		1.962				ND	
20 1,1-Dichloroethene	96		2.863				ND	
22 Acetone	43	3.065	3.065	0.000	99	3957	0.6500	
25 Carbon disulfide	76		3.101				ND	
29 Methylene Chloride	84		3.658				ND	
32 trans-1,2-Dichloroethene	96	4.014	4.014	0.000	92	1384	0.1435	
35 1,1-Dichloroethane	63		4.856				ND	
41 cis-1,2-Dichloroethene	96	5.792	5.792	0.000	42	15379	1.46	
40 2-Butanone (MEK)	72		5.887				ND	
48 Chloroform	83		6.267				ND	
49 1,1,1-Trichloroethane	97		6.397				ND	
52 Carbon tetrachloride	117		6.551				ND	
54 Benzene	78		6.872				ND	
55 1,2-Dichloroethane	62		7.014				ND	
59 Trichloroethene	130		7.666				ND	7
62 1,2-Dichloropropane	63		7.974				ND	
66 Dichlorobromomethane	83		8.283				ND	
69 cis-1,3-Dichloropropene	75		8.781				ND	
70 4-Methyl-2-pentanone (MIBK)	43		8.947				ND	
71 Toluene	91		9.054				ND	7
72 trans-1,3-Dichloropropene	75		9.386				ND	
74 1,1,2-Trichloroethane	97		9.552				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
75 Tetrachloroethene	166		9.575				ND	
77 2-Hexanone	43		9.777				ND	
79 Chlorodibromomethane	129		9.884				ND	
83 Chlorobenzene	112		10.417				ND	
85 Ethylbenzene	106		10.500				ND	
86 m-Xylene & p-Xylene	106		10.607				ND	
87 o-Xylene	106		10.951				ND	
88 Styrene	104		10.975				ND	
89 Bromoform	173		11.164				ND	
93 1,1,2,2-Tetrachloroethane	83		11.579				ND	
S 128 Xylenes, Total	106		16.520				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm25UX18IS_00009	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 23-Oct-2023 12:00:40

Chrom Revision: 2.3 22-Sep-2023 11:33:50

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225342.D

Injection Date: 23-Oct-2023 00:37:24

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: 240-193522-B-25

Lab Sample ID: 240-193522-25

Worklist Smp#: 26

Client ID: GW-101223-BE-042

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

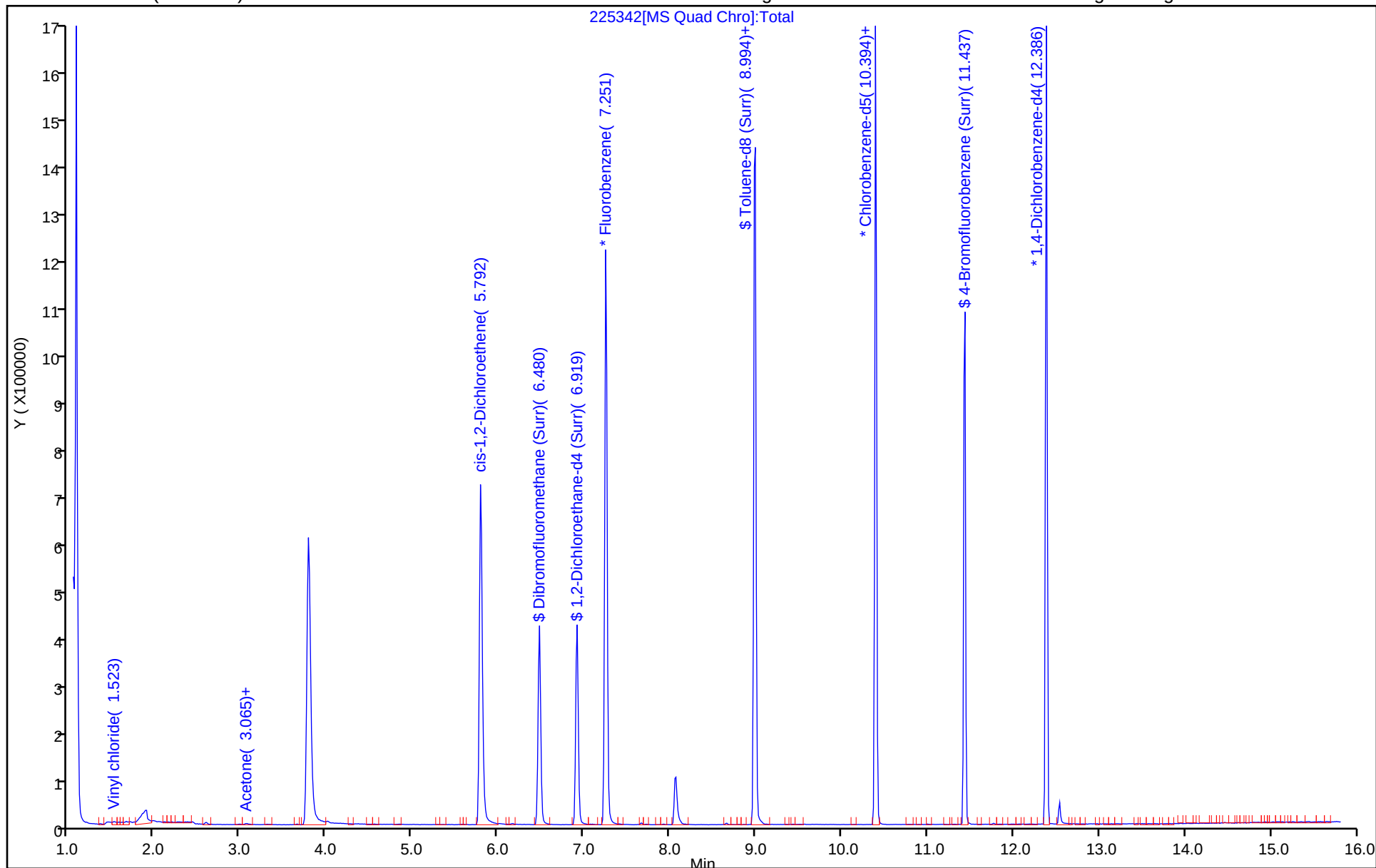
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225342.D
Lims ID: 240-193522-B-25
Client ID: GW-101223-BE-042
Sample Type: Client
Inject. Date: 23-Oct-2023 00:37:24 ALS Bottle#: 0 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0134937-026
Operator ID: 002808 Instrument ID: A3UX22
Method: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Oct-2023 12:00:02 Calib Date: 11-Sep-2023 18:19:34
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: PHN3

Date: 23-Oct-2023 11:55:44

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	23.6	94.55
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	25.4	101.72
\$ 6 Toluene-d8 (Surr)	25.0	22.9	91.42
\$ 7 4-Bromofluorobenzene (Surr)	25.0	21.5	86.14

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225342.D

Injection Date: 23-Oct-2023 00:37:24

Instrument ID: A3UX22

Lims ID: 240-193522-B-25

Lab Sample ID: 240-193522-25

Client ID: GW-101223-BE-042

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 26

Purge Vol: 5.000 mL

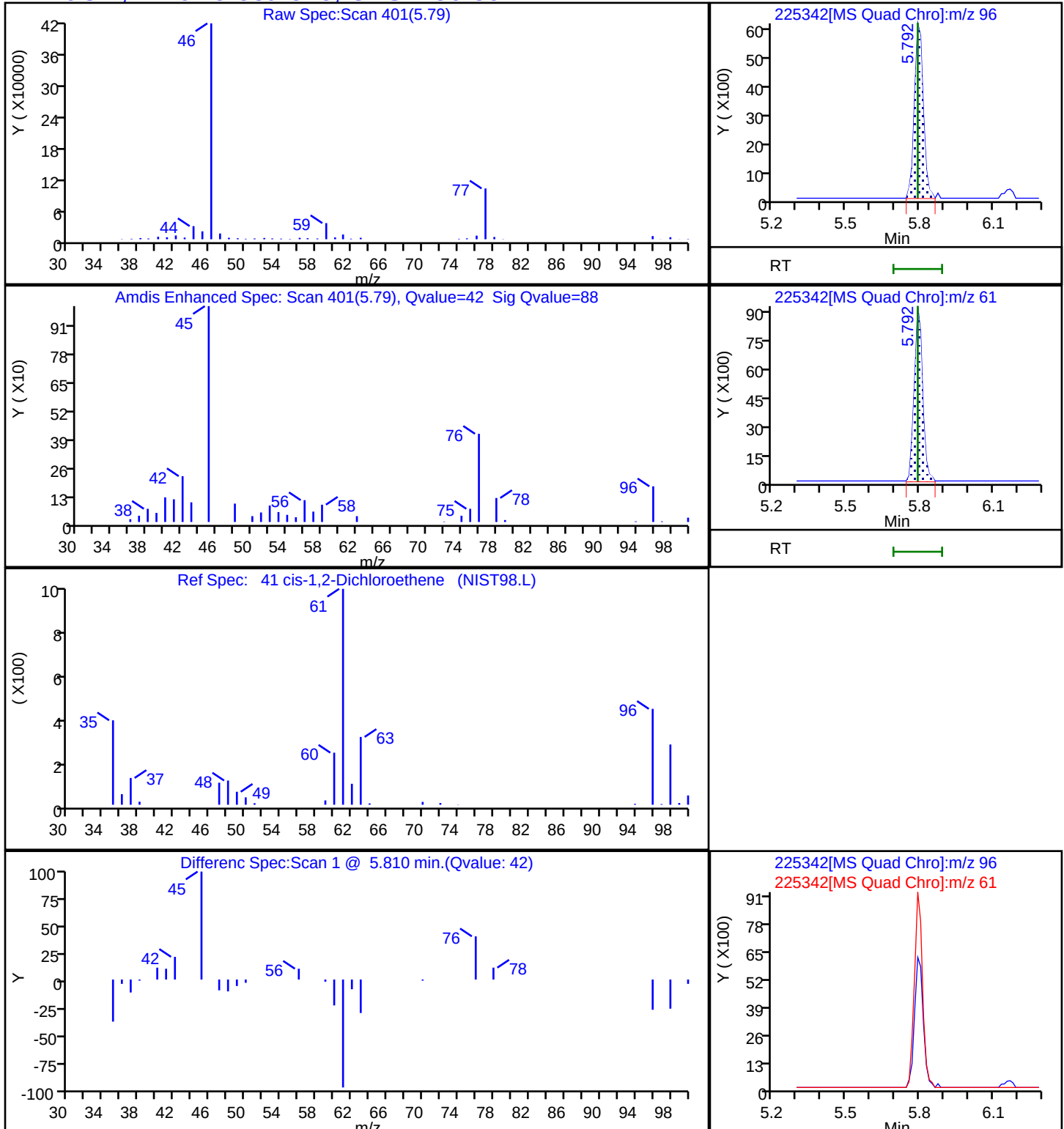
Dil. Factor: 1.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

41 cis-1,2-Dichloroethene, CAS: 156-59-2

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>GW-101223-BE-043</u>	Lab Sample ID: <u>240-193522-26</u>
Matrix: <u>Water</u>	Lab File ID: <u>225343.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/12/2023 11:10</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/23/2023 01:01</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591760</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.48
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.46
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
591-78-6	2-Hexanone	10	U	10	1.1
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
156-59-2	cis-1,2-Dichloroethene	10		1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.42
78-93-3	2-Butanone (MEK)	3.9	J	10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	10	0.99
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
100-42-5	Styrene	1.0	U	1.0	0.45
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-01-4	Vinyl chloride	1.0	U	1.0	0.45
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: GW-101223-BE-043 Lab Sample ID: 240-193522-26
Matrix: Water Lab File ID: 225343.D
Analysis Method: 8260D Date Collected: 10/12/2023 11:10
Sample wt/vol: 5 (mL) Date Analyzed: 10/23/2023 01:01
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.: 591760 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		62-137
460-00-4	4-Bromofluorobenzene (Surr)	86		56-136
2037-26-5	Toluene-d8 (Surr)	90		78-122
1868-53-7	Dibromofluoromethane (Surr)	98		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225343.D
 Lims ID: 240-193522-B-26
 Client ID: GW-101223-BE-043
 Sample Type: Client
 Inject. Date: 23-Oct-2023 01:01:04 ALS Bottle#: 0 Worklist Smp#: 27
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134937-027
 Operator ID: 002808 Instrument ID: A3UX22
 Method: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 23-Oct-2023 12:00:02 Calib Date: 11-Sep-2023 18:19:34
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1668

First Level Reviewer: PHN3

Date: 23-Oct-2023 11:56:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.251	7.251	0.000	98	1089547	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.394	0.000	87	816163	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	94	440157	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	278952	24.6	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	313725	25.8	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	94	972640	22.4	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.425	11.437	-0.012	91	336795	21.5	
10 Chloromethane	50		1.428				ND	
12 Vinyl chloride	62	1.523	1.523	0.000	98	4380	0.3572	
13 Bromomethane	94		1.855				ND	
15 Chloroethane	64		1.962				ND	
20 1,1-Dichloroethene	96		2.863				ND	
22 Acetone	43	3.065	3.065	0.000	98	19879	3.28	
25 Carbon disulfide	76		3.101				ND	
29 Methylene Chloride	84		3.658				ND	
32 trans-1,2-Dichloroethene	96	4.014	4.014	0.000	94	3776	0.3938	
35 1,1-Dichloroethane	63		4.856				ND	
41 cis-1,2-Dichloroethene	96	5.792	5.792	0.000	46	106198	10.1	
40 2-Butanone (MEK)	72	5.887	5.887	0.000	99	8889	3.88	
48 Chloroform	83		6.267				ND	
49 1,1,1-Trichloroethane	97		6.397				ND	
52 Carbon tetrachloride	117		6.551				ND	
54 Benzene	78		6.872				ND	
55 1,2-Dichloroethane	62		7.014				ND	
59 Trichloroethene	130		7.666				ND	
62 1,2-Dichloropropane	63		7.974				ND	
66 Dichlorobromomethane	83		8.283				ND	
69 cis-1,3-Dichloropropene	75		8.781				ND	
70 4-Methyl-2-pentanone (MIBK)	43		8.947				ND	
71 Toluene	91		9.054				ND	7
72 trans-1,3-Dichloropropene	75		9.386				ND	
74 1,1,2-Trichloroethane	97		9.552				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
75 Tetrachloroethene	166		9.575				ND	
77 2-Hexanone	43		9.777				ND	
79 Chlorodibromomethane	129		9.884				ND	
83 Chlorobenzene	112		10.417				ND	
85 Ethylbenzene	106		10.500				ND	
86 m-Xylene & p-Xylene	106		10.607				ND	
87 o-Xylene	106		10.951				ND	
88 Styrene	104		10.975				ND	
89 Bromoform	173		11.164				ND	
93 1,1,2,2-Tetrachloroethane	83		11.579				ND	
S 128 Xylenes, Total	106		16.520				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm25UX18IS_00009	Amount Added: 5.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225343.D

Injection Date: 23-Oct-2023 01:01:04

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: 240-193522-B-26

Lab Sample ID: 240-193522-26

Worklist Smp#: 27

Client ID: GW-101223-BE-043

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

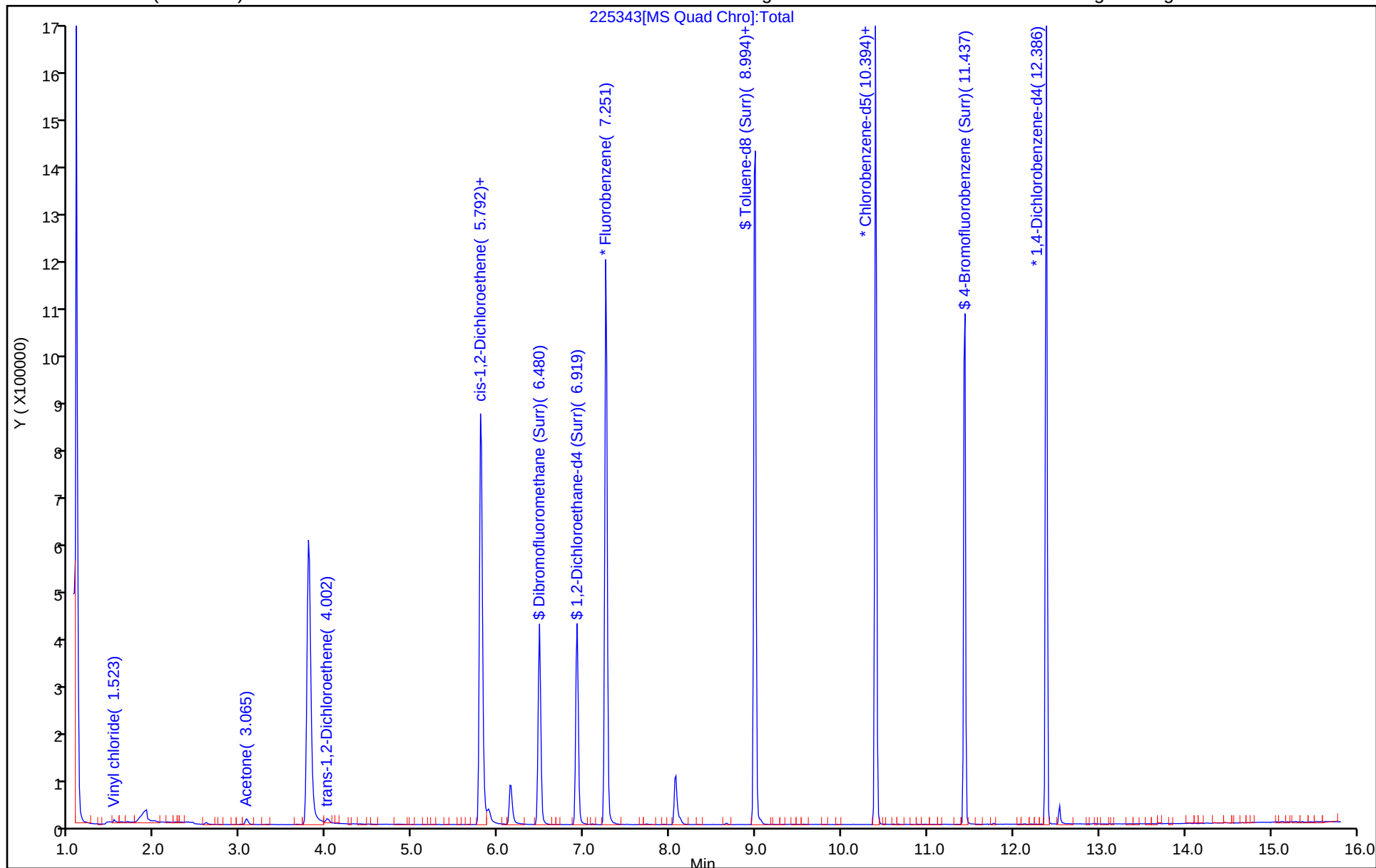
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225343.D
Lims ID: 240-193522-B-26
Client ID: GW-101223-BE-043
Sample Type: Client
Inject. Date: 23-Oct-2023 01:01:04 ALS Bottle#: 0 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0134937-027
Operator ID: 002808 Instrument ID: A3UX22
Method: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Oct-2023 12:00:02 Calib Date: 11-Sep-2023 18:19:34
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: PHN3

Date: 23-Oct-2023 11:56:17

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	24.6	98.24
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	25.8	103.19
\$ 6 Toluene-d8 (Surr)	25.0	22.4	89.77
\$ 7 4-Bromofluorobenzene (Surr)	25.0	21.5	85.87

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225343.D

Injection Date: 23-Oct-2023 01:01:04

Instrument ID: A3UX22

Lims ID: 240-193522-B-26

Lab Sample ID: 240-193522-26

Client ID: GW-101223-BE-043

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 27

Purge Vol: 5.000 mL

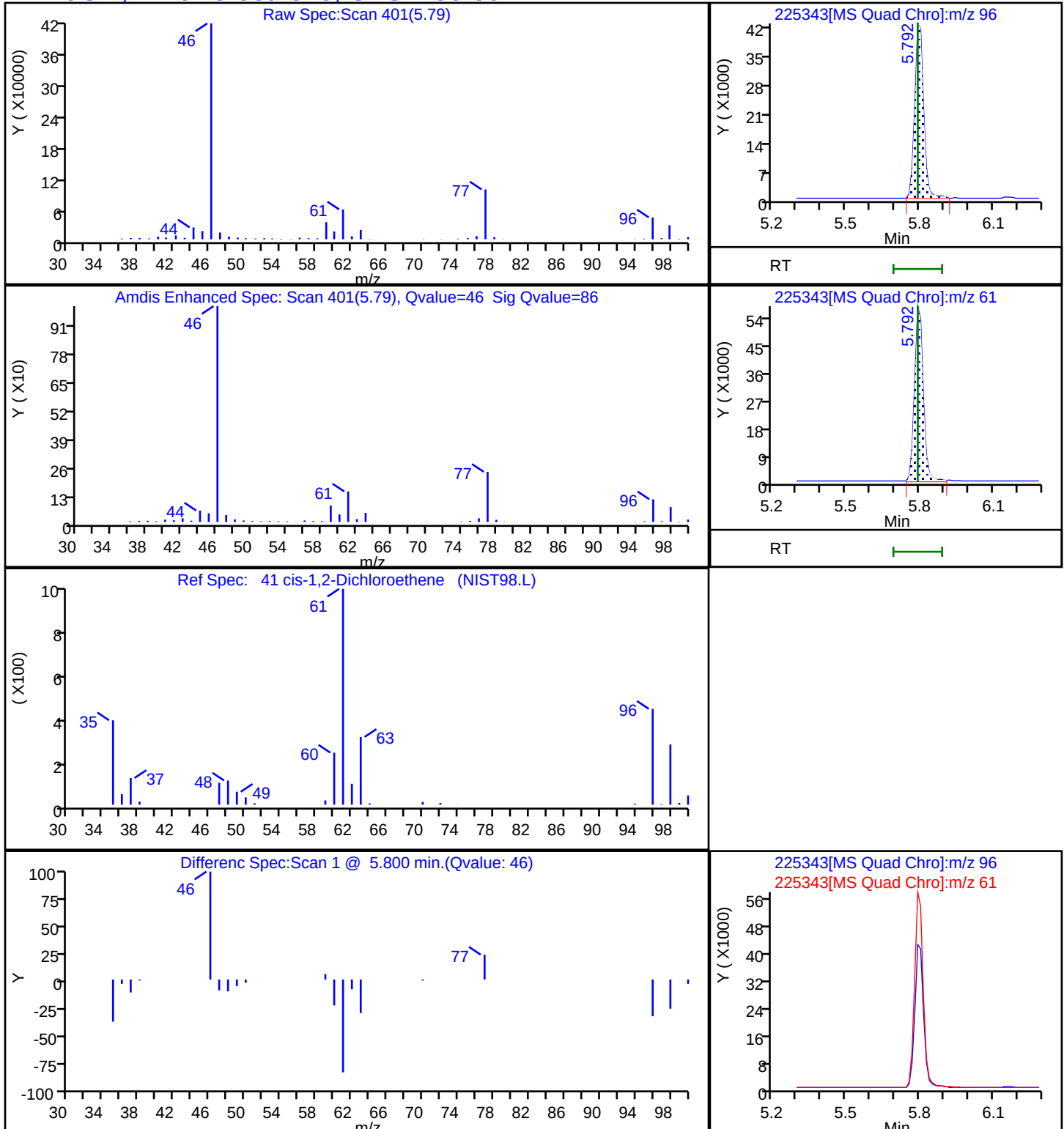
Dil. Factor: 1.0000

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

41 cis-1,2-Dichloroethene, CAS: 156-59-2

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225343.D

Injection Date: 23-Oct-2023 01:01:04

Instrument ID: A3UX22

Lims ID: 240-193522-B-26

Lab Sample ID: 240-193522-26

Client ID: GW-101223-BE-043

Operator ID: 002808

ALS Bottle#: 0

Worklist Smp#: 27

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

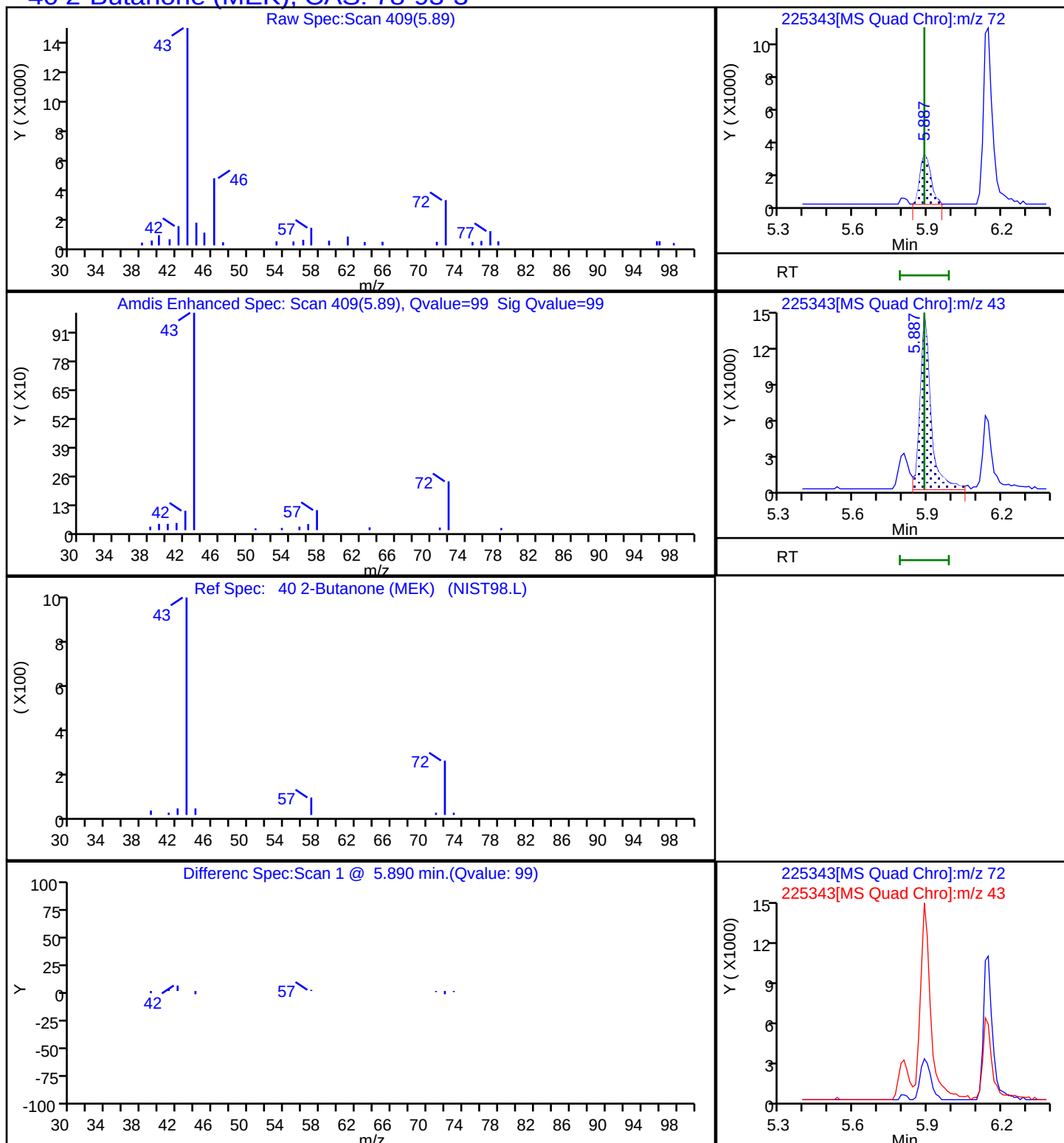
Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

40 2-Butanone (MEK), CAS: 78-93-3



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>GW-101223-BE-044</u>	Lab Sample ID: <u>240-193522-27</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXC3436.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/12/2023 12:26</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/21/2023 14:12</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591728</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.48
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.46
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
591-78-6	2-Hexanone	10	U	10	1.1
67-64-1	Acetone	11		10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.42
78-93-3	2-Butanone (MEK)	8.6	J	10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	10	0.99
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
100-42-5	Styrene	1.0	U	1.0	0.45
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-01-4	Vinyl chloride	1.0	U	1.0	0.45
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: GW-101223-BE-044 Lab Sample ID: 240-193522-27
Matrix: Water Lab File ID: UXC3436.D
Analysis Method: 8260D Date Collected: 10/12/2023 12:26
Sample wt/vol: 5 (mL) Date Analyzed: 10/21/2023 14:12
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 591728 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		62-137
460-00-4	4-Bromofluorobenzene (Surr)	62		56-136
2037-26-5	Toluene-d8 (Surr)	93		78-122
1868-53-7	Dibromofluoromethane (Surr)	98		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\UXC3436.D
 Lims ID: 240-193522-C-27
 Client ID: GW-101223-BE-044
 Sample Type: Client
 Inject. Date: 21-Oct-2023 14:12:30 ALS Bottle#: 14 Worklist Smp#: 14
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134925-014
 Operator ID: 001904 Instrument ID: A3UX15
 Method: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\8260_15.m
 Limit Group: MSV 8260C ICAL
 Last Update: 22-Oct-2023 17:52:26 Calib Date: 17-Jun-2022 22:33:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2452.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1653

First Level Reviewer: LQ5J

Date: 22-Oct-2023 18:03:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.920	5.909	0.011	100	658655	20.0	
* 2 Chlorobenzene-d5	117	8.434	8.434	0.000	85	445465	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.557	10.557	0.000	95	149131	20.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.387	5.387	0.000	93	149215	19.5	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.659	5.659	0.000	99	179526	18.7	
\$ 6 Toluene-d8 (Surr)	98	7.189	7.177	0.012	94	552942	18.6	
\$ 7 4-Bromofluorobenzene (Surr)	95	9.490	9.478	0.012	95	128632	12.4	
160 Chlorobenzene-d5 (IS)	117		0.680				ND	
10 Chloromethane	50		2.256				ND	
11 Vinyl chloride	62		2.387				ND	
13 Bromomethane	94		2.754				ND	7
14 Chloroethane	64		2.837				ND	
19 1,1-Dichloroethene	96		3.549				ND	
21 Acetone	43	3.572	3.572	0.000	100	30941	10.8	
24 Carbon disulfide	76		3.762				ND	
28 Methylene Chloride	84		3.976				ND	7
32 trans-1,2-Dichloroethene	96		4.201				ND	
35 1,1-Dichloroethane	63		4.557				ND	
40 2-Butanone (MEK)	72	4.983	4.972	0.011	96	11878	8.56	
41 cis-1,2-Dichloroethene	96		5.007				ND	
48 Chloroform	83		5.256				ND	
49 1,1,1-Trichloroethane	97		5.410				ND	
52 Carbon tetrachloride	117		5.541				ND	
55 Benzene	78		5.695				ND	
56 1,2-Dichloroethane	62		5.719				ND	7
60 Trichloroethene	130		6.193				ND	
63 1,2-Dichloropropane	63		6.407				ND	
67 Dichlorobromomethane	83		6.596				ND	
70 cis-1,3-Dichloropropene	75		6.952				ND	
71 4-Methyl-2-pentanone (MIBK)	43		7.047				ND	
72 Toluene	91		7.237				ND	
73 trans-1,3-Dichloropropene	75		7.403				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
75 1,1,2-Trichloroethane	97		7.581				ND	
76 Tetrachloroethene	164		7.687				ND	
78 2-Hexanone	43		7.735				ND	
80 Chlorodibromomethane	129		7.924				ND	
84 Chlorobenzene	112		8.458				ND	
86 Ethylbenzene	106		8.529				ND	
87 m-Xylene & p-Xylene	91	8.636	8.636	0.000	53	5160	0.1958	
88 o-Xylene	106		8.992				ND	
89 Styrene	104		9.004				ND	
90 Bromoform	173		9.193				ND	
94 1,1,2,2-Tetrachloroethane	83		9.585				ND	
S 129 Xylenes, Total	106				0		0.1958	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm40ml_vials_00026	Amount Added: 0.00	Units:	Run Reagent
vm50is_stk_A_00021	Amount Added: 2.00	Units: uL	Run Reagent
vmDist_H2o_00242	Amount Added: 0.00	Units:	Run Reagent
vm50ss_stk_00094	Amount Added: 2.00	Units: uL	Run Reagent

Report Date: 22-Oct-2023 18:03:48

Chrom Revision: 2.3 22-Sep-2023 11:33:50

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\UXC3436.D

Injection Date: 21-Oct-2023 14:12:30

Instrument ID: A3UX15

Operator ID: 001904

Lims ID: 240-193522-C-27

Lab Sample ID: 240-193522-27

Worklist Smp#: 14

Client ID: GW-101223-BE-044

Purge Vol: 5.000 mL

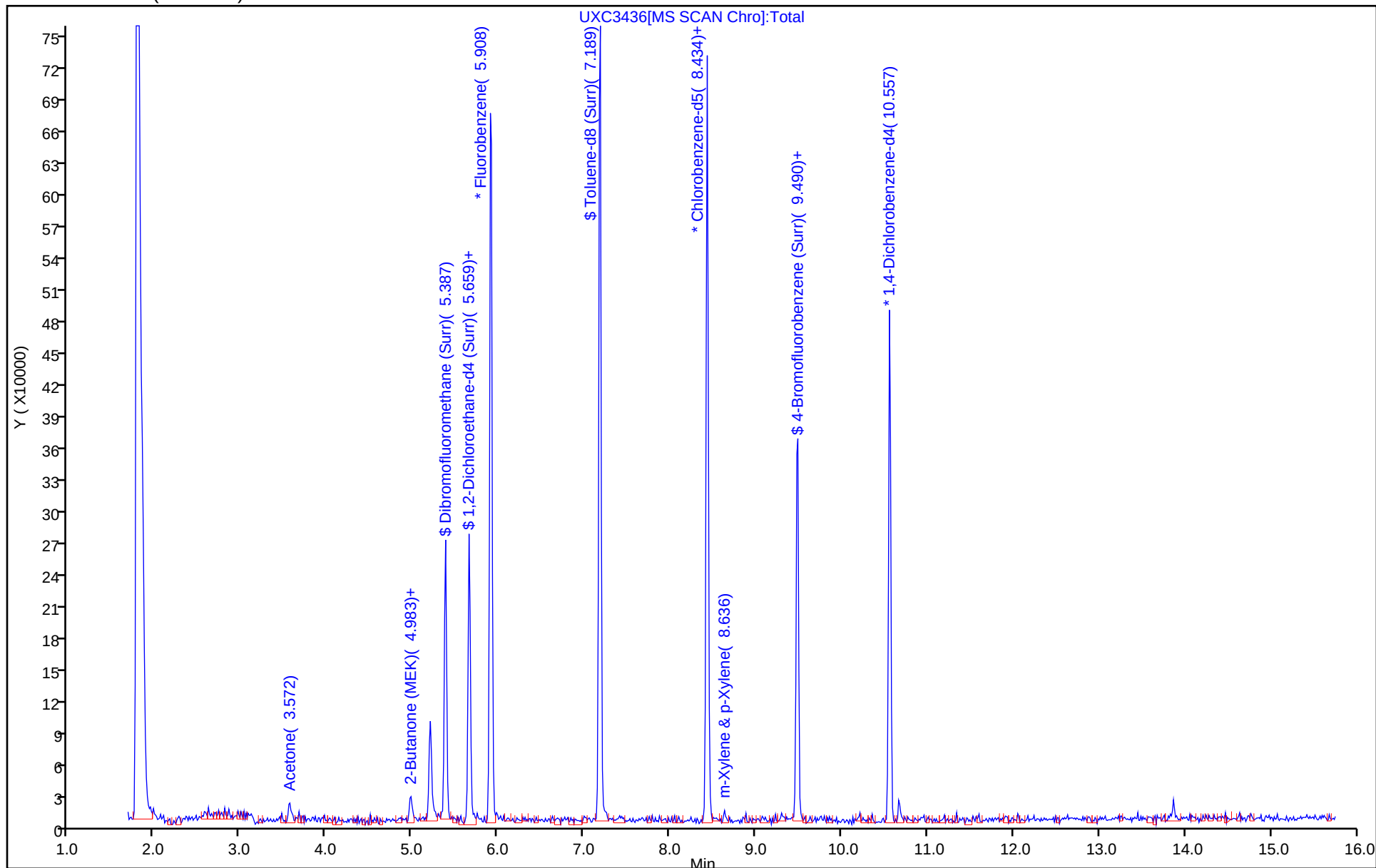
Dil. Factor: 1.0000

ALS Bottle#: 14

Method: 8260_15

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\UXC3436.D
 Lims ID: 240-193522-C-27
 Client ID: GW-101223-BE-044
 Sample Type: Client
 Inject. Date: 21-Oct-2023 14:12:30 ALS Bottle#: 14 Worklist Smp#: 14
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134925-014
 Operator ID: 001904 Instrument ID: A3UX15
 Method: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\8260_15.m
 Limit Group: MSV 8260C ICAL
 Last Update: 22-Oct-2023 17:52:26 Calib Date: 17-Jun-2022 22:33:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2452.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1653

First Level Reviewer: LQ5J

Date: 22-Oct-2023 18:03:48

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	20.0	19.5	97.63
\$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	18.7	93.64
\$ 6 Toluene-d8 (Surr)	20.0	18.6	92.85
\$ 7 4-Bromofluorobenzene (Surr)	20.0	12.4	61.84

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\UXC3436.D

Injection Date: 21-Oct-2023 14:12:30

Instrument ID: A3UX15

Lims ID: 240-193522-C-27

Lab Sample ID: 240-193522-27

Client ID: GW-101223-BE-044

Operator ID: 001904

ALS Bottle#: 14

Worklist Smp#: 14

Purge Vol: 5.000 mL

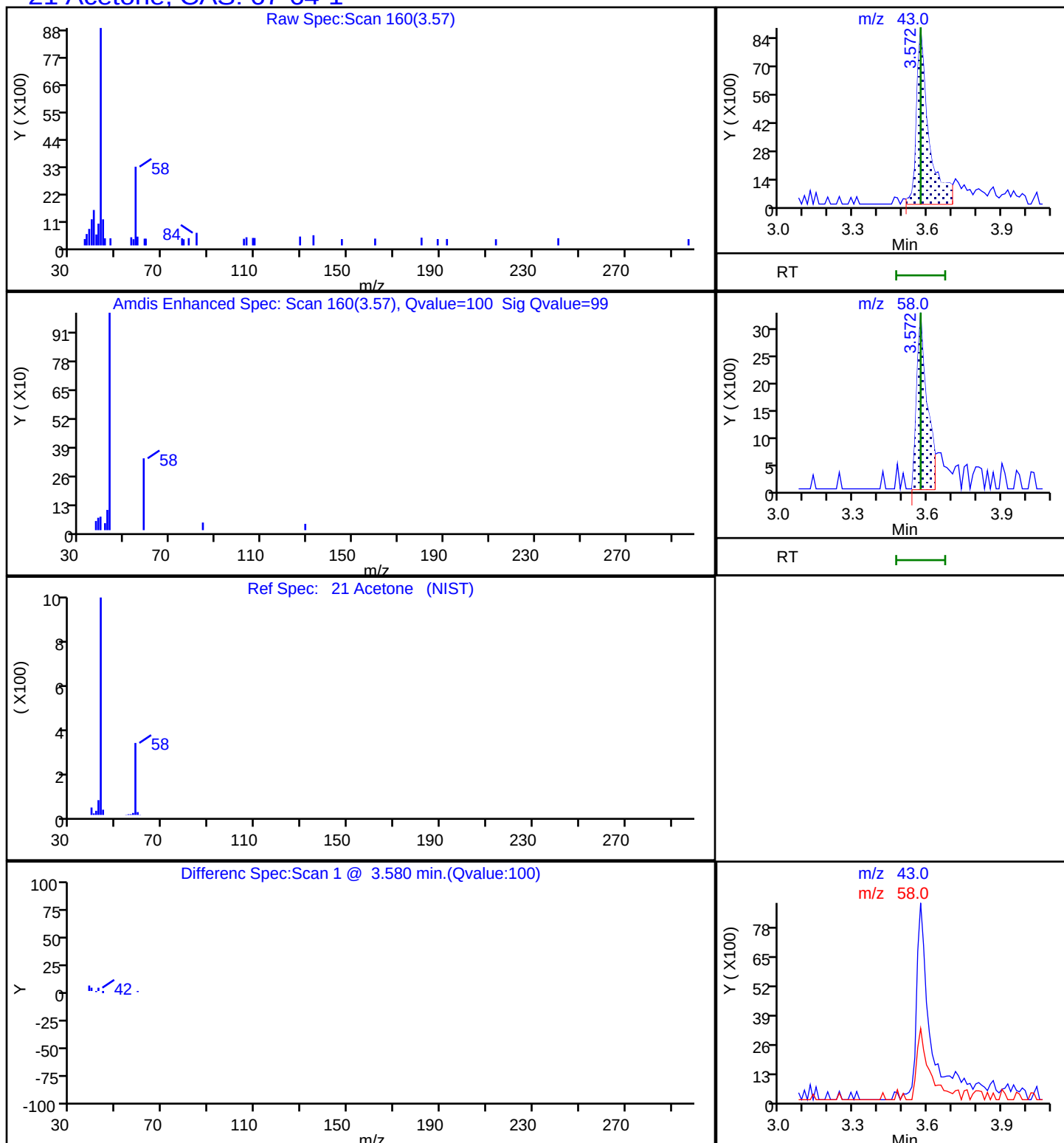
Dil. Factor: 1.0000

Method: 8260_15

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

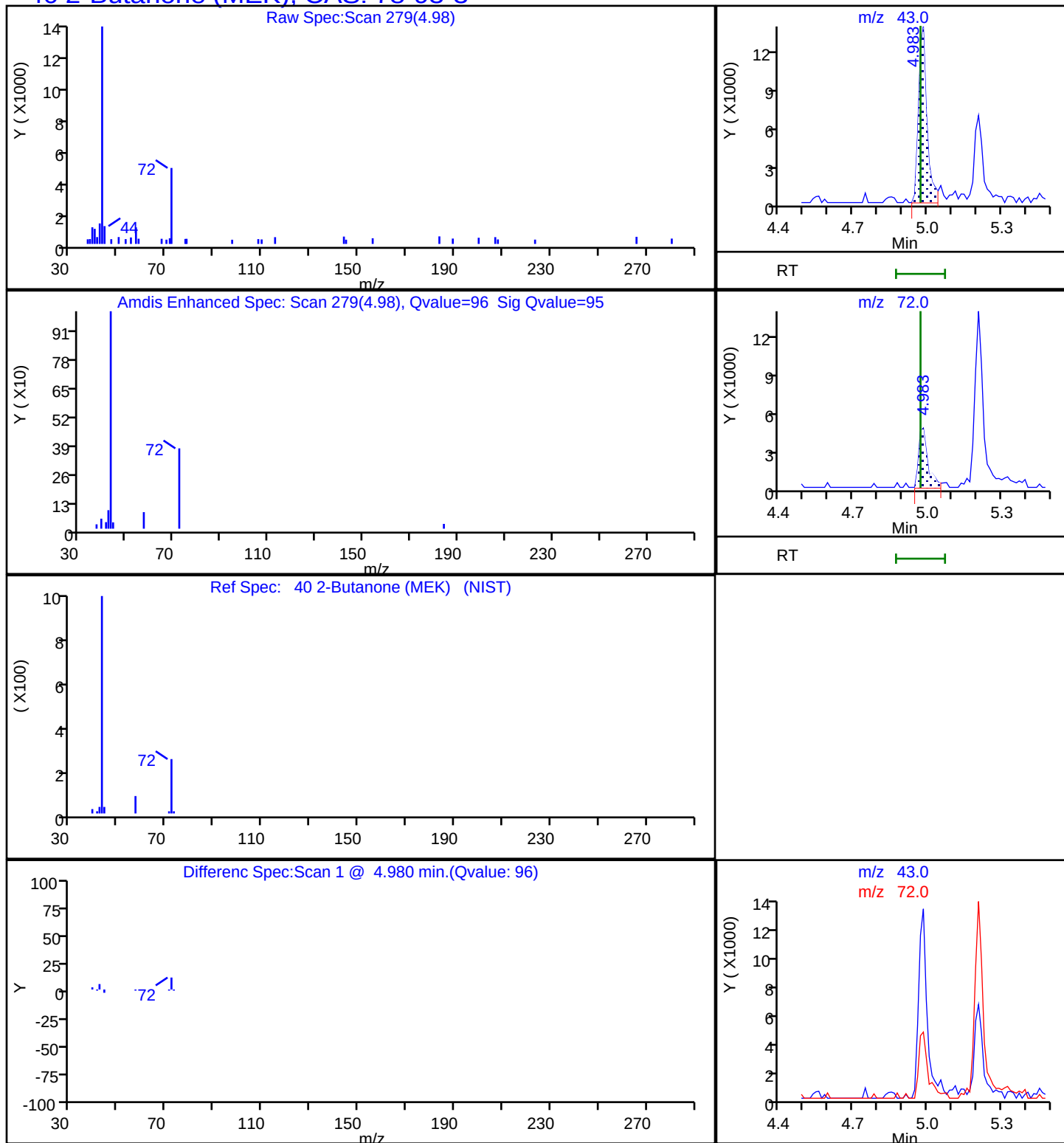
Detector: MS SCAN

21 Acetone, CAS: 67-64-1

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\UXC3436.D
Injection Date: 21-Oct-2023 14:12:30 Instrument ID: A3UX15
Lims ID: 240-193522-C-27 Lab Sample ID: 240-193522-27
Client ID: GW-101223-BE-044
Operator ID: 001904 ALS Bottle#: 14 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_15 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector: MS SCAN

40 2-Butanone (MEK), CAS: 78-93-3



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>GW-101223-BE-045</u>	Lab Sample ID: <u>240-193522-28</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXC3437.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/12/2023 15:12</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/21/2023 14:35</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591728</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.48
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.46
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
591-78-6	2-Hexanone	10	U	10	1.1
67-64-1	Acetone	7.7	J	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
156-59-2	cis-1,2-Dichloroethene	0.78	J	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.42
78-93-3	2-Butanone (MEK)	10	U	10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	10	0.99
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
100-42-5	Styrene	1.0	U	1.0	0.45
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-01-4	Vinyl chloride	1.0	U	1.0	0.45
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: GW-101223-BE-045 Lab Sample ID: 240-193522-28
Matrix: Water Lab File ID: UXC3437.D
Analysis Method: 8260D Date Collected: 10/12/2023 15:12
Sample wt/vol: 5 (mL) Date Analyzed: 10/21/2023 14:35
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.: 591728 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		62-137
460-00-4	4-Bromofluorobenzene (Surr)	72		56-136
2037-26-5	Toluene-d8 (Surr)	97		78-122
1868-53-7	Dibromofluoromethane (Surr)	103		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\UXC3437.D
 Lims ID: 240-193522-C-28
 Client ID: GW-101223-BE-045
 Sample Type: Client
 Inject. Date: 21-Oct-2023 14:35:30 ALS Bottle#: 15 Worklist Smp#: 15
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134925-015
 Operator ID: 001904 Instrument ID: A3UX15
 Method: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\8260_15.m
 Limit Group: MSV 8260C ICAL
 Last Update: 22-Oct-2023 18:04:22 Calib Date: 17-Jun-2022 22:33:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2452.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1653

First Level Reviewer: LQ5J

Date: 22-Oct-2023 18:04:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.920	5.909	0.011	99	658077	20.0	
* 2 Chlorobenzene-d5	117	8.434	8.434	0.000	86	438624	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.557	10.557	0.000	95	153738	20.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.387	5.387	0.000	92	157069	20.6	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.659	5.659	0.000	99	191253	20.0	
\$ 6 Toluene-d8 (Surr)	98	7.189	7.177	0.012	94	570695	19.5	
\$ 7 4-Bromofluorobenzene (Surr)	95	9.478	9.478	0.000	95	147660	14.4	
160 Chlorobenzene-d5 (IS)	117		0.680				ND	
10 Chloromethane	50		2.256				ND	
11 Vinyl chloride	62		2.387				ND	
13 Bromomethane	94		2.754				ND	7
14 Chloroethane	64		2.837				ND	
19 1,1-Dichloroethene	96		3.549				ND	
21 Acetone	43	3.584	3.572	0.012	99	23485	7.67	
24 Carbon disulfide	76		3.762				ND	U
28 Methylene Chloride	84		3.976				ND	
32 trans-1,2-Dichloroethene	96		4.201				ND	
35 1,1-Dichloroethane	63		4.557				ND	
40 2-Butanone (MEK)	72		4.972				ND	U
41 cis-1,2-Dichloroethene	96	5.007	5.007	0.000	82	6868	0.7799	
48 Chloroform	83		5.256				ND	
49 1,1,1-Trichloroethane	97		5.410				ND	
52 Carbon tetrachloride	117		5.541				ND	
55 Benzene	78		5.695				ND	
56 1,2-Dichloroethane	62		5.719				ND	7
60 Trichloroethene	130		6.193				ND	
63 1,2-Dichloropropane	63		6.407				ND	
67 Dichlorobromomethane	83		6.596				ND	
70 cis-1,3-Dichloropropene	75		6.952				ND	
71 4-Methyl-2-pentanone (MIBK)	43		7.047				ND	
72 Toluene	91		7.237				ND	
73 trans-1,3-Dichloropropene	75		7.403				ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
75 1,1,2-Trichloroethane	97		7.581				ND	
76 Tetrachloroethene	164		7.687				ND	
78 2-Hexanone	43		7.735				ND	
80 Chlorodibromomethane	129		7.924				ND	
84 Chlorobenzene	112		8.458				ND	
86 Ethylbenzene	106		8.529				ND	
87 m-Xylene & p-Xylene	91		8.636				ND	
88 o-Xylene	106		8.992				ND	
89 Styrene	104		9.004				ND	
90 Bromoform	173		9.193				ND	
94 1,1,2,2-Tetrachloroethane	83		9.585				ND	
S 129 Xylenes, Total	106		17.310				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

vm40ml_vials_00026	Amount Added: 0.00	Units:	Run Reagent
vm50is_stk_A_00021	Amount Added: 2.00	Units: uL	Run Reagent
vmDist_H2o_00242	Amount Added: 0.00	Units:	Run Reagent
vm50ss_stk_00094	Amount Added: 2.00	Units: uL	Run Reagent

Report Date: 22-Oct-2023 18:04:22

Chrom Revision: 2.3 22-Sep-2023 11:33:50

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\UXC3437.D

Injection Date: 21-Oct-2023 14:35:30

Instrument ID: A3UX15

Operator ID: 001904

Lims ID: 240-193522-C-28

Lab Sample ID: 240-193522-28

Worklist Smp#: 15

Client ID: GW-101223-BE-045

Purge Vol: 5.000 mL

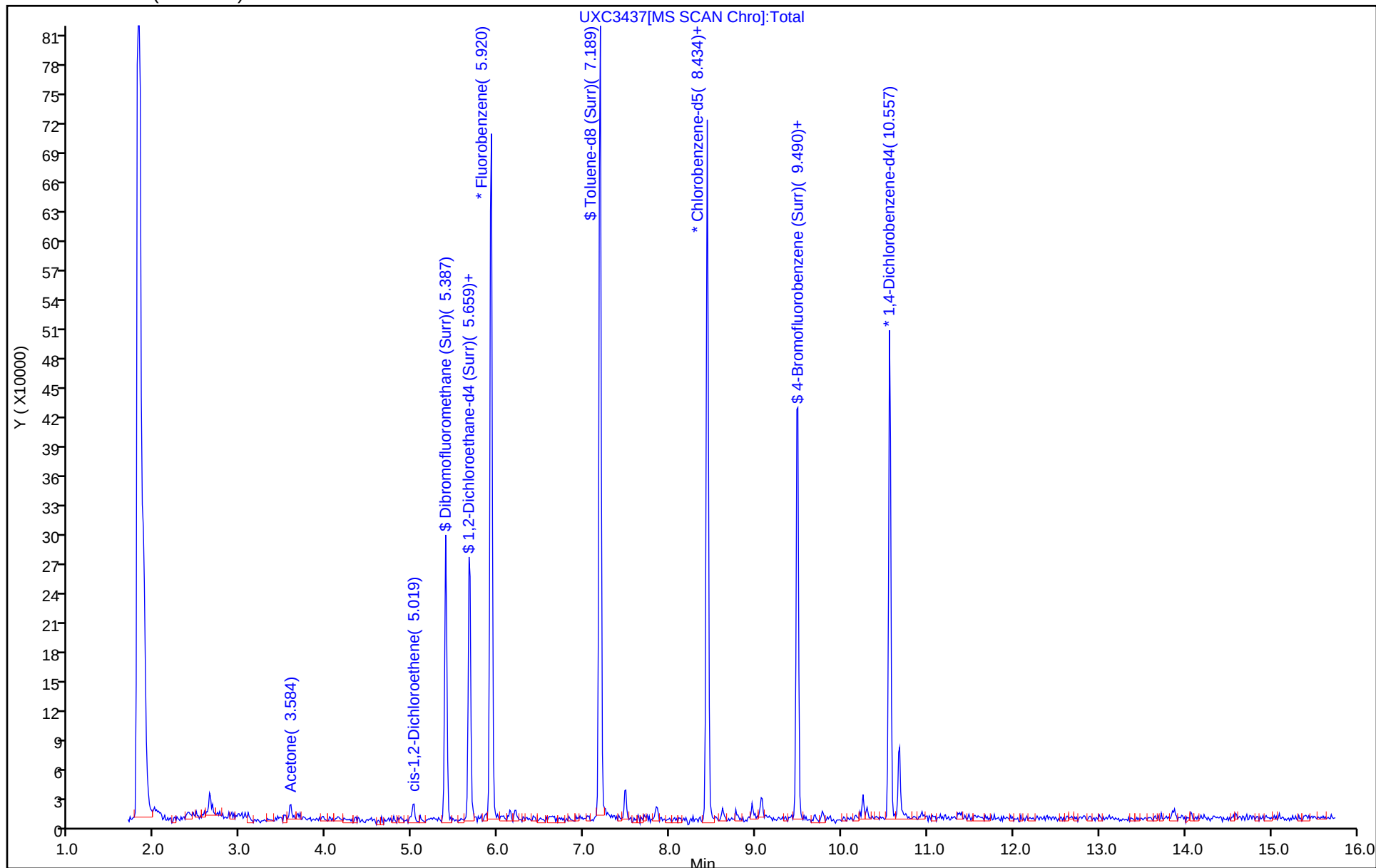
Dil. Factor: 1.0000

ALS Bottle#: 15

Method: 8260_15

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\UXC3437.D
Lims ID: 240-193522-C-28
Client ID: GW-101223-BE-045
Sample Type: Client
Inject. Date: 21-Oct-2023 14:35:30 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0134925-015
Operator ID: 001904 Instrument ID: A3UX15
Method: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\8260_15.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Oct-2023 18:04:22 Calib Date: 17-Jun-2022 22:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2452.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1653

First Level Reviewer: LQ5J

Date: 22-Oct-2023 18:04:22

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	20.0	20.6	102.86
\$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	20.0	99.84
\$ 6 Toluene-d8 (Surr)	20.0	19.5	97.32
\$ 7 4-Bromofluorobenzene (Surr)	20.0	14.4	72.10

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\UXC3437.D

Injection Date: 21-Oct-2023 14:35:30

Instrument ID: A3UX15

Lims ID: 240-193522-C-28

Lab Sample ID: 240-193522-28

Client ID: GW-101223-BE-045

Operator ID: 001904

ALS Bottle#: 15

Worklist Smp#: 15

Purge Vol: 5.000 mL

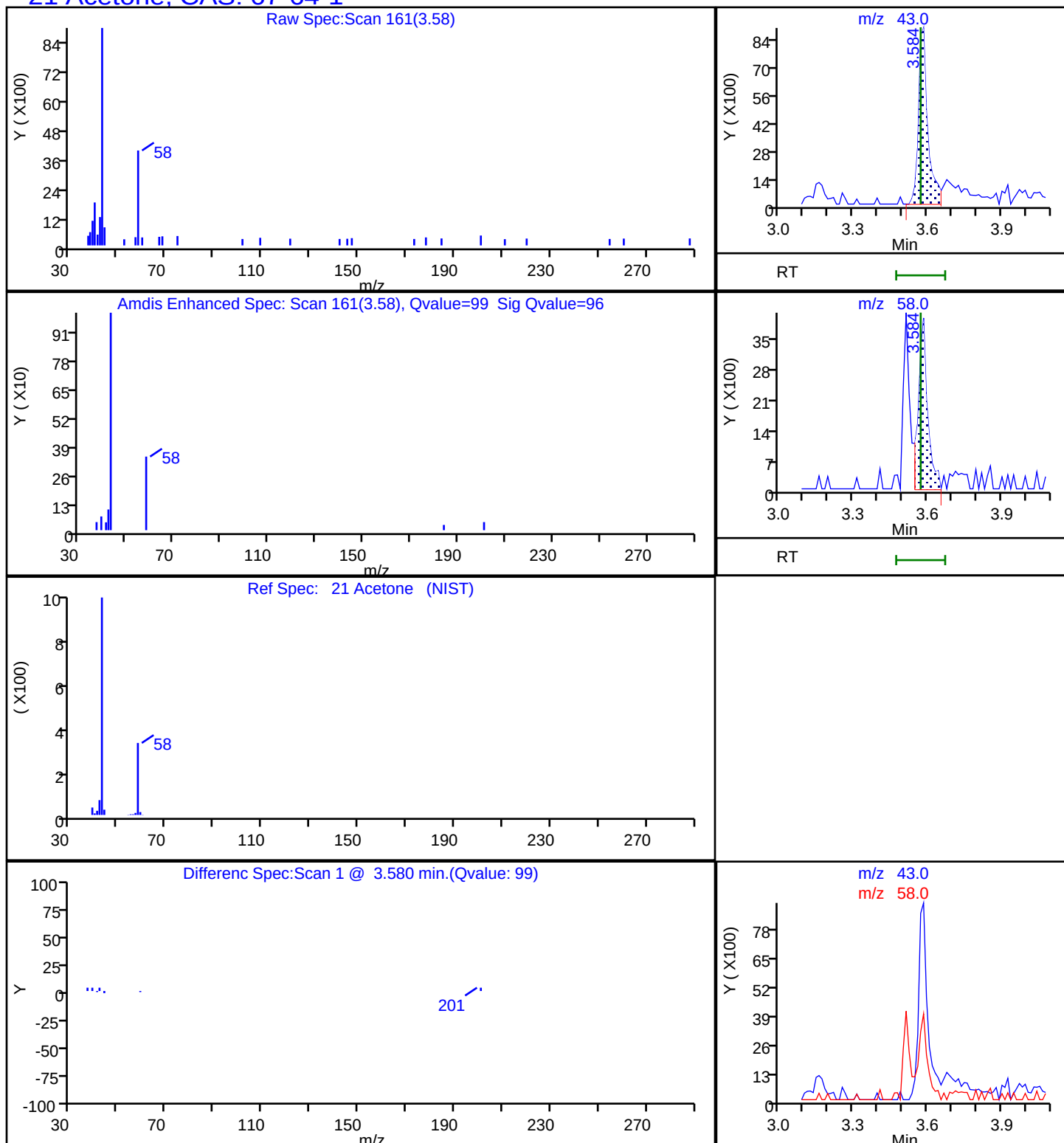
Dil. Factor: 1.0000

Method: 8260_15

Limit Group: MSV 8260C ICAL

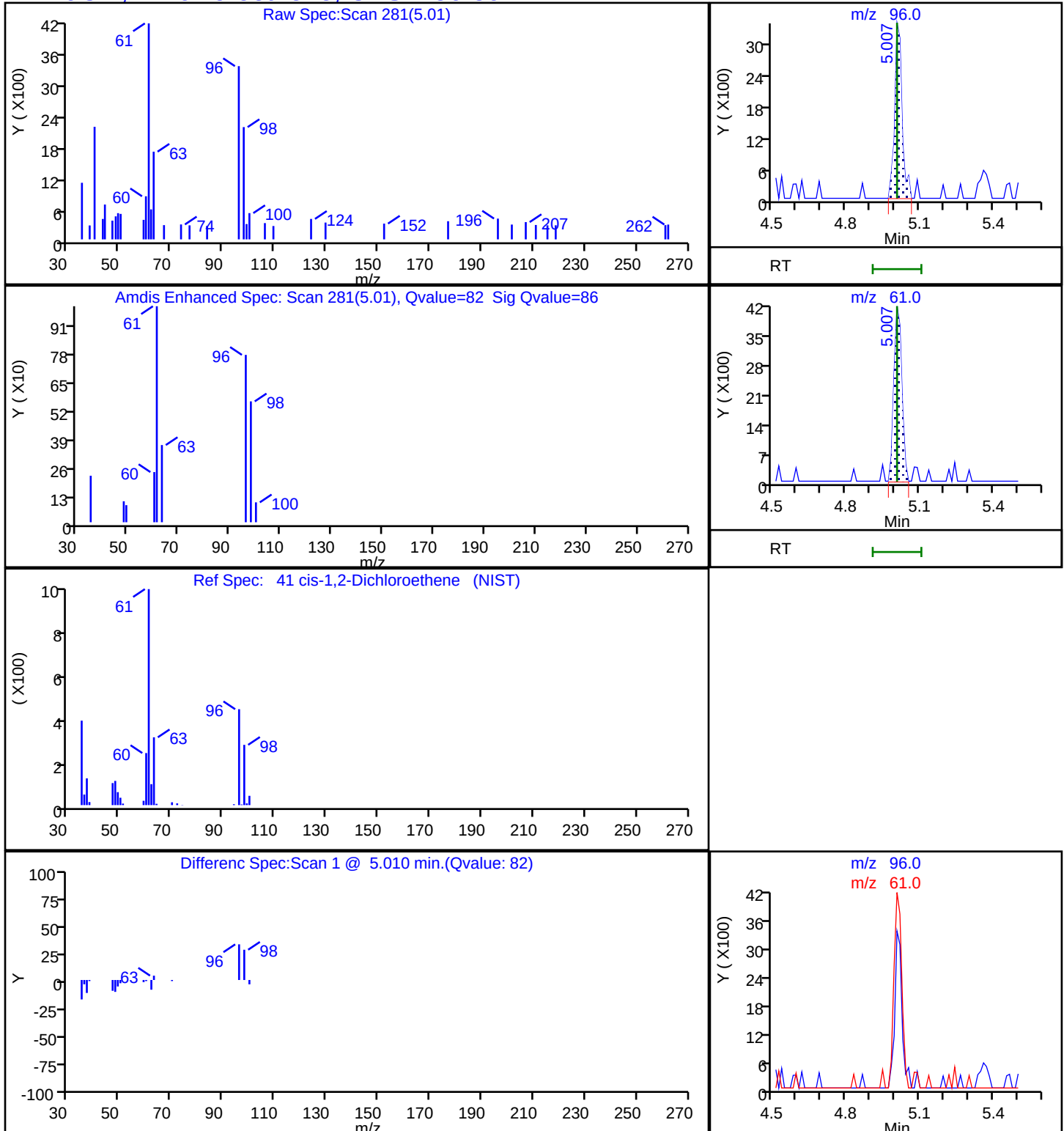
Column: DB-624 (0.18 mm)

Detector: MS SCAN

21 Acetone, CAS: 67-64-1

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\UXC3437.D
Injection Date: 21-Oct-2023 14:35:30 Instrument ID: A3UX15
Lims ID: 240-193522-C-28 Lab Sample ID: 240-193522-28
Client ID: GW-101223-BE-045
Operator ID: 001904 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_15 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector MS SCAN

41 cis-1,2-Dichloroethene, CAS: 156-59-2

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\UXC3437.D

Injection Date: 21-Oct-2023 14:35:30

Instrument ID: A3UX15

Lims ID: 240-193522-C-28

Lab Sample ID: 240-193522-28

Client ID: GW-101223-BE-045

Operator ID: 001904

ALS Bottle#: 15 Worklist Smp#: 15

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260_15

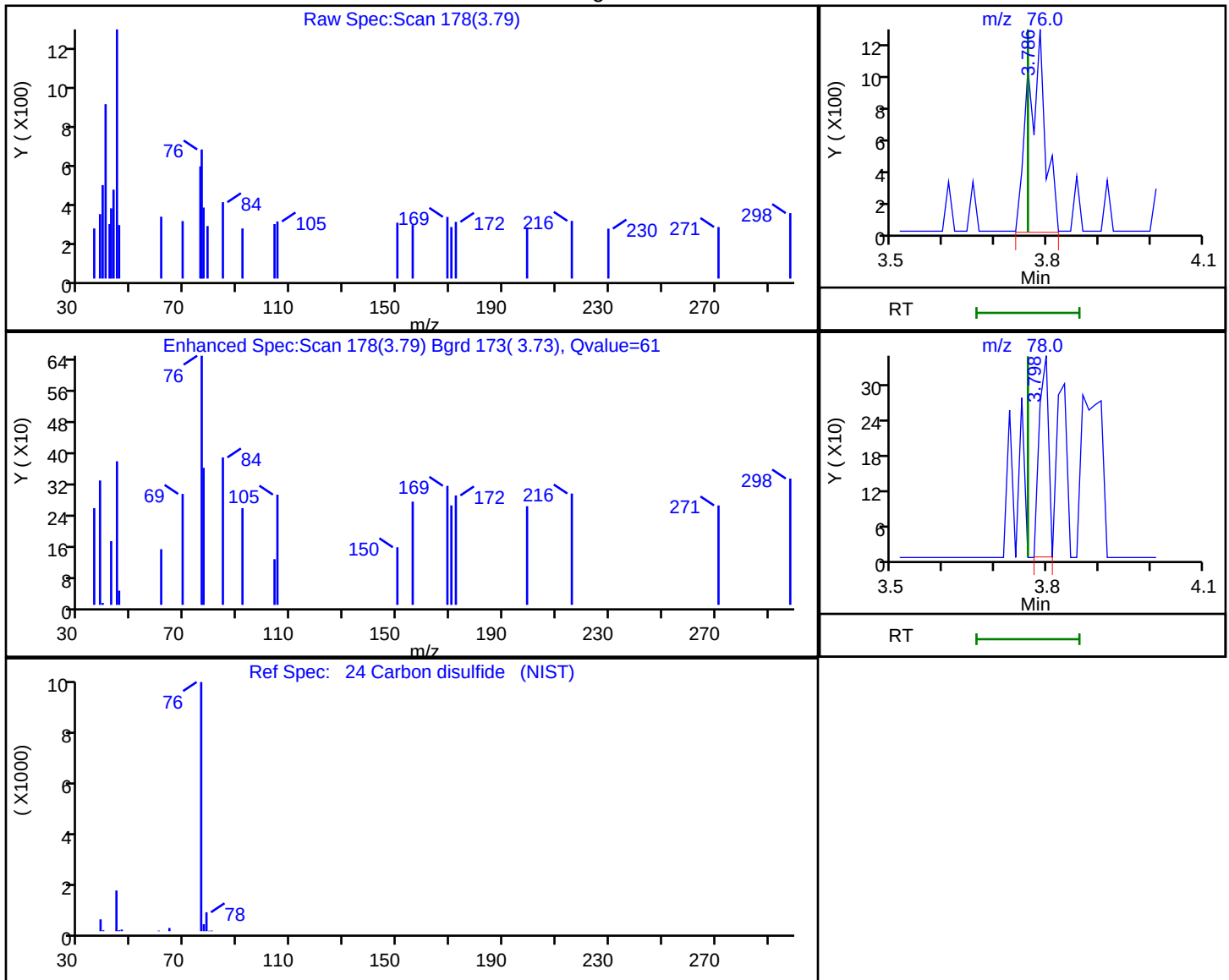
Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

24 Carbon disulfide, CAS: 75-15-0

Processing Results



RT	Mass	Response	Amount
3.79	76.00	2771	0.143881
3.80	78.00	433	

Reviewer: LQ5J, 22-Oct-2023 18:04:04 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

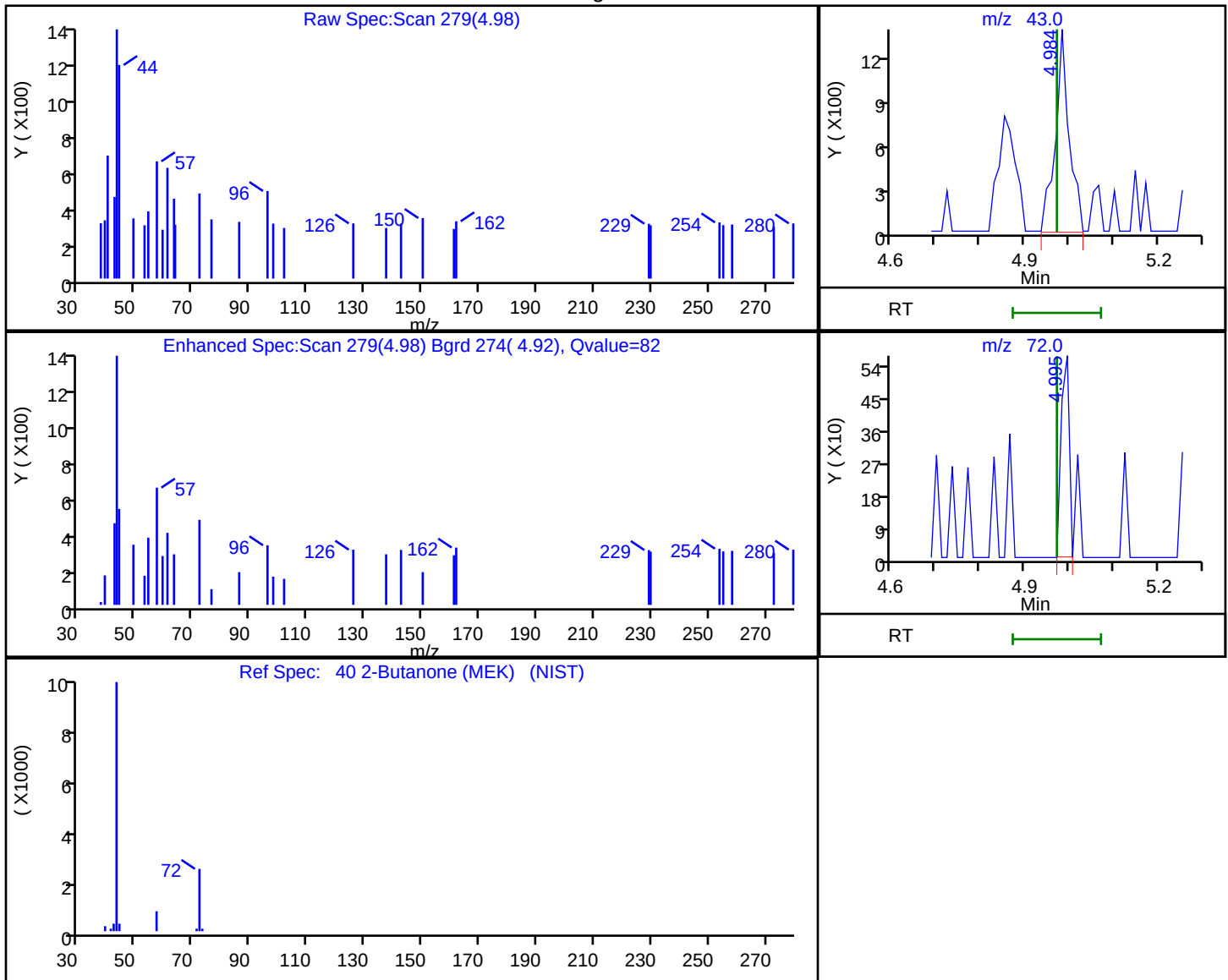
Audit Reason: Invalid Compound ID

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\UXC3437.D
Injection Date: 21-Oct-2023 14:35:30 Instrument ID: A3UX15
Lims ID: 240-193522-C-28 Lab Sample ID: 240-193522-28
Client ID: GW-101223-BE-045
Operator ID: 001904 ALS Bottle#: 15 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_15 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector: MS SCAN

40 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
4.98	43.00	2802	
5.00	72.00	718	0.517846

Reviewer: LQ5J, 22-Oct-2023 18:04:12 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 531220
SDG No.: _____
Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 06/17/2022 15:29 Calibration End Date: 06/17/2022 18:14 Calibration ID: 66322

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-531220/9	UXC2434.D
Level 2	STD8260 240-531220/10	UXC2435.D
Level 3	STD8260 240-531220/11	UXC2436.D
Level 4	STD8260 240-531220/12	UXC2437.D
Level 5	ICIS 240-531220/13	UXC2438.D
Level 6	STD8260 240-531220/14	UXC2439.D
Level 7	STD8260 240-531220/15	UXC2440.D
Level 8	STD8260 240-531220/16	UXC2441.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Dichlorodifluoromethane	0.1868 0.2174	0.1537 0.2287	0.1755 0.2236	0.2222	0.2206	Ave		0.203 6			0.1000	13.7		20.0			
Chloromethane	0.3145 0.2564	0.2521 0.2557	0.2598 0.2518	0.2530	0.2626	Ave		0.263 3			0.1000	8.0		20.0			
Vinyl chloride	0.2617 0.2732	0.2593 0.2762	0.2557 0.2758	0.2749	0.2800	Ave		0.269 6			0.1000	3.4		20.0			
Butadiene	0.2846 0.2842	0.2281 0.2785	0.2542 0.2772	0.2899	0.2765	Ave		0.271 7				7.6		20.0			
Bromomethane	++++ 0.2114	0.2112 0.2248	0.1989 0.2277	0.1953	0.1983	Ave		0.209 7			0.0500	6.2		20.0			
Chloroethane	0.2000 0.2039	0.1646 0.2160	0.1831 0.2189	0.1815	0.1971	Ave		0.195 6			0.0500	9.4		20.0			
Dichlorofluoromethane	0.5137 0.4488	0.3953 0.4696	0.3907 0.4655	0.4237	0.4403	Ave		0.443 4				9.2		20.0			
Trichlorofluoromethane	++++ 0.4029	0.3031 0.4225	0.2944 0.4178	0.3807	0.3960	Ave		0.373 9			0.1000	14.2		20.0			
Ethyl ether	0.1979 0.2057	0.1803 0.2142	0.1963 0.2054	0.1918	0.2033	Ave		0.199 4				5.2		20.0			
Acrolein	0.0292 0.0260	0.0230 0.0280	0.0201 0.0249	0.0233	0.0237	Ave		0.024 8				11.8		20.0			
1,1-Dichloroethene	0.1989 0.2057	0.1937 0.2083	0.1900 0.2092	0.1960	0.2020	Ave		0.200 5			0.1000	3.5		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1082 0.1508	0.1121 0.1565	0.1192 0.1586	0.1413	0.1523	Ave		0.137 4			0.0500	15.2		20.0			
Acetone	++++ 0.0808	0.1489 0.0783	0.1139 0.0649	0.0781	0.0767	Lin1	0.165 3	0.071 5			0.0100	8.2		30.0	0.9910		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 531220

SDG No.: _____

Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2022 15:29 Calibration End Date: 06/17/2022 18:14 Calibration ID: 66322

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Iodomethane	0.3155 0.3367	0.2955 0.3430	0.3070 0.3471	0.3119	0.3270	Ave		0.323 n				5.7		20.0			
Carbon disulfide	0.6031 0.5930	0.5341 0.6112	0.5512 0.6111	0.5703	0.6085	Ave		0.585 3			0.1000	5.1		20.0			
Methyl acetate	0.2753 0.2447	0.2527 0.2494	0.2347 0.2340	0.2299	0.2398	Ave		0.245 1			0.0500	5.9		20.0			
3-Chloro-1-propene	0.1496 0.1770	0.1437 0.1783	0.1414 0.1771	0.1552	0.1672	Ave		0.161 2				9.7		20.0			
Methylene Chloride	++++ 0.2283	0.3639 0.2349	0.2978 0.2298	0.2264	0.2340	Lin1	0.127 4	0.228 3			0.1000	3.6		30.0	1.0000		0.9900
2-Methyl-2-propanol	0.0291 0.0291	0.0279 0.0284	0.0286 0.0220	0.0266	0.0284	Ave		0.027 5				8.6		20.0			
Acrylonitrile	0.1017 0.1083	0.0918 0.1099	0.0968 0.1002	0.1015	0.1021	Ave		0.101 6				5.7		20.0			
Methyl tert-butyl ether	0.6655 0.7086	0.6114 0.7401	0.6317 0.7172	0.6564	0.6842	Ave		0.676 9			0.1000	6.5		20.0			
trans-1,2-Dichloroethene	0.3142 0.2619	0.2694 0.2646	0.2486 0.2617	0.2411	0.2555	Ave		0.264 6			0.1000	8.3		20.0			
Hexane	0.0608 0.0657	0.0538 0.0692	0.0459 0.0663	0.0600	0.0649	Ave		0.060 9				12.6		20.0			
Vinyl acetate	0.4354 0.3478	0.3757 0.3874	0.3949 0.3232	0.3627	0.3558	Ave		0.372 9				9.1		20.0			
1,1-Dichloroethane	0.4409 0.4518	0.3885 0.4640	0.3976 0.4498	0.4188	0.4477	Ave		0.432 4			0.2000	6.4		20.0			
2-Butanone (MEK)	++++ 0.0423	0.0466 0.0430	0.0428 0.0386	0.0411	0.0405	Ave		0.042 1			0.0100	5.9		20.0			
cis-1,2-Dichloroethene	0.2445 0.2772	0.2702 0.2847	0.2533 0.2803	0.2623	0.2686	Ave		0.267 6			0.1000	5.1		20.0			
2,2-Dichloropropane	++++ 0.0577	0.0536 0.0569	0.0574 0.0564	0.0589	0.0585	Ave		0.057 n				3.1		20.0			
Chlorobromomethane	0.1399 0.1340	0.1136 0.1397	0.1167 0.1371	0.1222	0.1333	Ave		0.129 6				8.1		20.0			
Tetrahydrofuran	0.1246 0.1020	0.1033 0.1037	0.0974 0.0926	0.0962	0.1008	Ave		0.102 6				9.5		20.0			
Chloroform	0.4068 0.4356	0.3911 0.4478	0.3909 0.4419	0.4182	0.4314	Ave		0.420 5			0.2000	5.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 531220

SDG No.: _____

Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2022 15:29 Calibration End Date: 06/17/2022 18:14 Calibration ID: 66322

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1,1-Trichloroethane	0.3565 0.3792	0.3191 0.3932	0.3268 0.3806	0.3567	0.3810	Ave		0.361 6			0.1000	7.5		20.0			
Cyclohexane	0.3474 0.3881	0.3138 0.3905	0.3380 0.3938	0.3740	0.3920	Ave		0.367 2			0.1000	8.3		20.0			
1,1-Dichloropropene	0.3542 0.3699	0.3346 0.3813	0.3206 0.3739	0.3531	0.3672	Ave		0.356 8				5.8		20.0			
Carbon tetrachloride	0.2982 0.3498	0.2900 0.3612	0.3019 0.3582	0.3182	0.3405	Ave		0.327 2			0.1000	8.8		20.0			
Isobutyl alcohol	0.0109 0.0117	0.0106 0.0117	0.0109 0.0099	0.0111	0.0115	Ave		0.011 0				5.5		20.0			
Benzene	0.9994 1.0226	0.8954 1.0625	0.9331 1.0513	0.9573	1.0171	Ave		0.992 3			0.5000	5.9		20.0			
1,2-Dichloroethane	0.3402 0.3475	0.3138 0.3496	0.3178 0.3388	0.3275	0.3396	Ave		0.334 3			0.1000	4.0		20.0			
n-Heptane	+++++ 0.0574	0.0522 0.0591	0.0455 0.0593	0.0544	0.0593	Ave		0.055 3				9.3		20.0			
Trichloroethene	0.2746 0.2925	0.2485 0.3031	0.2587 0.2977	0.2724	0.2868	Ave		0.279 3			0.1500	6.9		20.0			
Methylcyclohexane	0.2952 0.3949	0.2869 0.4005	0.3213 0.3989	0.3692	0.3929	Ave		0.357 5			0.1000	13.6		20.0			
1,2-Dichloropropane	0.2281 0.2387	0.2168 0.2452	0.2233 0.2416	0.2299	0.2356	Ave		0.232 4			0.1000	4.2		20.0			
1,4-Dioxane	0.0020 0.0027	0.0020 0.0026	0.0023 0.0020	0.0025	0.0028	Ave		0.002 4				14.2		20.0			
Dibromomethane	0.1602 0.1513	0.1382 0.1527	0.1407 0.1469	0.1416	0.1467	Ave		0.147 3				5.0		20.0			
Dichlorobromomethane	0.3251 0.3245	0.2693 0.3363	0.2813 0.3240	0.3000	0.3061	Ave		0.308 3			0.1500	7.6		20.0			
2-Chloroethyl vinyl ether	0.1874 0.1773	0.1593 0.1933	0.1523 0.1806	0.1650	0.1777	Ave		0.174 1				8.1		20.0			
cis-1,3-Dichloropropene	0.3494 0.3972	0.3430 0.4194	0.3520 0.4023	0.3649	0.3927	Ave		0.377 6			0.1500	7.6		20.0			
4-Methyl-2-pentanone (MIBK)	0.3345 0.3161	0.2854 0.3306	0.3139 0.3017	0.2976	0.3160	Ave		0.312 0			0.0500	5.3		20.0			
Toluene	1.5764 1.5141	1.3418 1.5862	1.3977 1.5302	1.4475	1.4945	Ave		1.486 0			0.4000	5.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 531220

SDG No.: _____

Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2022 15:29 Calibration End Date: 06/17/2022 18:14 Calibration ID: 66322

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
trans-1,3-Dichloropropene	0.5071 0.5066	0.4253 0.5477	0.4391 0.5198	0.4725	0.4930	Ave		0.488 9			0.1000	8.4		20.0			
Ethyl methacrylate	0.4708 0.4842	0.4487 0.5217	0.4251 0.4826	0.4496	0.4723	Ave		0.469 4				6.2		20.0			
1,1,2-Trichloroethane	0.3039 0.2907	0.2673 0.3099	0.2601 0.2939	0.2778	0.2865	Ave		0.286 3			0.1000	6.0		20.0			
Tetrachloroethene	0.2774 0.3044	0.2507 0.3304	0.2602 0.3197	0.2784	0.2927	Ave		0.289 2			0.1500	9.7		20.0			
1,3-Dichloropropane	0.4904 0.5131	0.4789 0.5541	0.4648 0.5224	0.4951	0.5184	Ave		0.504 6				5.6		20.0			
2-Hexanone	0.3401 0.3300	0.3078 0.3483	0.3022 0.3134	0.3112	0.3279	Ave		0.322 6			0.0500	5.1		20.0			
Chlorodibromomethane	0.3086 0.3323	0.2756 0.3554	0.2947 0.3400	0.2971	0.3203	Ave		0.315 5				8.4		20.0			
Ethylene Dibromide	0.3294 0.3154	0.2762 0.3381	0.2911 0.3188	0.2945	0.3160	Ave		0.309 9				6.7		20.0			
Chlorobenzene	0.9137 0.9311	0.8520 0.9936	0.8555 0.9522	0.8755	0.9274	Ave		0.912 6			0.3000	5.4		20.0			
1,1,1,2-Tetrachloroethane	0.2944 0.3147	0.2516 0.3301	0.2636 0.3197	0.2933	0.3148	Ave		0.297 8				9.4		20.0			
Ethylbenzene	0.4775 0.5222	0.4717 0.5570	0.4496 0.5320	0.4964	0.5150	Ave		0.502 7				7.0		20.0			
m-Xylene & p-Xylene	1.1512 1.2265	1.0625 1.3004	1.0639 1.2378	1.1741	1.2483	Ave		1.183 1				7.3		20.0			
o-Xylene	0.5852 0.5876	0.5015 0.6159	0.5260 0.5930	0.5640	0.5789	Ave		0.569 0				6.6		20.0			
Styrene	0.9774 1.0179	0.8215 1.0792	0.8863 1.0297	0.9595	0.9962	Ave		0.971 0			0.3000	8.5		20.0			
Bromoform	0.2236 0.2481	0.1819 0.2670	0.1909 0.2603	0.2056	0.2262	Ave		0.225 5			0.1000	14.0		20.0			
Isopropylbenzene	1.3230 1.4855	1.2324 1.5438	1.2881 1.5068	1.3701	1.4566	Ave		1.400 8			0.1000	8.1		20.0			
1,1,2,2-Tetrachloroethane	0.8910 0.7602	0.7471 0.7967	0.8080 0.7467	0.7768	0.7723	Ave		0.787 3			0.3000	6.0		20.0			
trans-1,4-Dichloro-2-butene	0.3067 0.2840	0.2742 0.3055	0.2703 0.2810	0.2767	0.2853	Ave		0.285 5				4.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 531220

SDG No.: _____

Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2022 15:29 Calibration End Date: 06/17/2022 18:14 Calibration ID: 66322

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Bromobenzene	0.7672 0.7715	0.6805 0.8269	0.6740 0.8004	0.7195	0.7537	Ave		0.749 2				7.3		20.0			
1,2,3-Trichloropropane	0.2818 0.2832	0.2655 0.2980	0.2615 0.2778	0.2773	0.2764	Ave		0.277 7				4.0		20.0			
N-Propylbenzene	0.8535 0.8327	0.7081 0.8837	0.7455 0.8470	0.8039	0.8509	Ave		0.815 7				7.4		20.0			
2-Chlorotoluene	0.6598 0.7010	0.6273 0.7387	0.6634 0.7071	0.6995	0.7048	Ave		0.687 7				5.1		20.0			
1,3,5-Trimethylbenzene	2.2752 2.2621	2.0269 2.3454	2.1364 2.2634	2.2022	2.2711	Ave		2.222 8				4.5		20.0			
4-Chlorotoluene	2.2655 2.1287	1.9470 2.2229	1.9944 2.1152	2.0970	2.1345	Ave		2.113 2				5.0		20.0			
tert-Butylbenzene	1.9897 1.9658	1.7790 2.0435	1.8491 1.9863	1.9269	1.9610	Ave		1.937 7				4.4		20.0			
1,2,4-Trimethylbenzene	2.3037 2.2553	1.9195 2.3352	2.0703 2.2369	2.2518	2.2861	Ave		2.207 3				6.4		20.0			
sec-Butylbenzene	2.6404 2.6263	2.2102 2.7083	2.3306 2.6336	2.5215	2.6373	Ave		2.538 5				6.9		20.0			
1,3-Dichlorobenzene	1.3031 1.3192	1.1686 1.3931	1.2024 1.3440	1.2179	1.2867	Ave		1.279 4		0.6000		6.0		20.0			
4-Isopropyltoluene	2.2483 2.2550	1.8537 2.3555	2.0103 2.2842	2.1538	2.2355	Ave		2.174 5				7.6		20.0			
1,4-Dichlorobenzene	1.3524 1.3269	1.2229 1.4163	1.2118 1.3576	1.2797	1.3065	Ave		1.309 3		0.5000		5.3		20.0			
n-Butylbenzene	1.7357 1.7766	1.5386 1.8373	1.6570 1.7688	1.7237	1.8019	Ave		1.730 0				5.5		20.0			
1,2-Dichlorobenzene	1.1685 1.1476	1.0615 1.2271	1.0796 1.1856	1.0831	1.1292	Ave		1.135 2		0.4000		5.1		20.0			
1,2-Dibromo-3-Chloropropane	0.2020 0.1935	0.2052 0.2046	0.1998 0.2002	0.1776	0.1867	Ave		0.196 2		0.0500		4.9		20.0			
1,2,4-Trichlorobenzene	0.5544 0.5111	0.4656 0.5418	0.4771 0.5868	0.4662	0.4932	Ave		0.512 0		0.2000		8.8		20.0			
Hexachlorobutadiene	0.2431 0.2295	0.1889 0.2513	0.2214 0.2693	0.2021	0.2293	Ave		0.229 4				11.3		20.0			
Naphthalene	1.9588 1.8204	1.6168 1.9110	1.7029 2.0770	1.6863	1.7805	Ave		1.819 2				8.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 531220

SDG No.: _____

Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2022 15:29 Calibration End Date: 06/17/2022 18:14 Calibration ID: 66322

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,3-Trichlorobenzene	0.4653 0.4569	0.3940 0.4902	0.3998 0.5380	0.3990	0.4277	Ave		0.446 4				11.5		20.0			
Dibromofluoromethane (Surr)	++++ 0.2326	0.2177 0.2501	0.2162 0.2447	0.2280	0.2350	Ave		0.232 0				5.5		20.0			
1,2-Dichloroethane-d4 (Surr)	++++ 0.2793	0.3155 0.2965	0.2840 0.2867	0.2904	0.2852	Ave		0.291 1				4.1		20.0			
Toluene-d8 (Surr)	++++ 1.2670	1.3977 1.3999	1.3209 1.3575	1.3217	1.2934	Ave		1.336 9				3.8		20.0			
4-Bromofluorobenzene (Surr)	++++ 0.4215	0.5998 0.4603	0.4770 0.4402	0.4377	0.4321	Ave		0.466 9				13.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 531220

SDG No.: _____

Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2022 15:29 Calibration End Date: 06/17/2022 18:14 Calibration ID: 66322

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-531220/9	UXC2434.D
Level 2	STD8260 240-531220/10	UXC2435.D
Level 3	STD8260 240-531220/11	UXC2436.D
Level 4	STD8260 240-531220/12	UXC2437.D
Level 5	ICIS 240-531220/13	UXC2438.D
Level 6	STD8260 240-531220/14	UXC2439.D
Level 7	STD8260 240-531220/15	UXC2440.D
Level 8	STD8260 240-531220/16	UXC2441.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	4390 453615	7774 705164	17264 926257	113138	223381	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
Chloromethane	FB	Ave	7392 534919	12753 788614	25555 1043125	128847	265946	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
Vinyl chloride	FB	Ave	6151 570013	13114 851899	25146 1142771	139965	283598	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
Butadiene	FB	Ave	6688 592884	11537 858895	25005 1148285	147637	280044	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
Bromomethane	FB	Ave	++++ 440987	10681 693208	19568 943437	99422	200828	++++ 40.0	1.00 60.0	2.00 80.0	10.0	20.0
Chloroethane	FB	Ave	4699 425410	8325 666030	18014 906817	92399	199600	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
Dichlorofluoromethane	FB	Ave	12072 936344	19991 1448227	38427 1928622	215728	445874	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
Trichlorofluoromethane	FB	Ave	++++ 840526	15329 1302923	28954 1730899	193834	400989	++++ 40.0	1.00 60.0	2.00 80.0	10.0	20.0
Ethyl ether	FB	Ave	4651 429157	9119 660508	19310 851012	97667	205920	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
Acrolein	FB	Ave	3429 270910	5812 431181	9877 515954	59355	120164	2.50 200	5.00 300	10.0 400	50.0	100
1,1-Dichloroethene	FB	Ave	4675 429138	9795 642239	18690 866620	99803	204533	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	2542 314652	5668 482581	11721 657218	71946	154250	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
Acetone	FB	Lin1	++++ 337102	15062 482818	22402 538070	79520	155316	++++ 80.0	2.00 120	4.00 160	20.0	40.0
Iodomethane	FB	Ave	7415 702513	14948 1057764	30192 1437969	158829	331155	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
Carbon disulfide	FB	Ave	14174	27012	54214	290403	616229	0.500	1.00	2.00	10.0	20.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 531220

SDG No.: _____

Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2022 15:29 Calibration End Date: 06/17/2022 18:14 Calibration ID: 66322

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1237122	1884836	2531898			40.0	60.0	80.0		
Methyl acetate	FB	Ave	12939 1021039	25561 1538110	46169 1938934	234112	485696	1.00 80.0	2.00 120	4.00 160	20.0	40.0
3-Chloro-1-propene	FB	Ave	3515 369196	7267 549987	13903 733647	79002	169341	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
Methylene Chloride	FB	Lin1	++++ 476304	18404 724468	29288 952111	115259	236920	++++ 40.0	1.00 60.0	2.00 80.0	10.0	20.0
2-Methyl-2-propanol	FB	Ave	6833 608071	14119 877113	28092 910408	135196	287678	5.00 400	10.0 600	20.0 800	100	200
Acrylonitrile	FB	Ave	23902 2260362	46433 3389234	95212 4152971	516888	1034001	5.00 400	10.0 600	20.0 800	100	200
Methyl tert-butyl ether	FB	Ave	15640 1478358	30923 2282415	62130 2971517	334213	692866	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
trans-1,2-Dichloroethene	FB	Ave	7383 546484	13628 816155	24453 1084170	122786	258710	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
Hexane	FB	Ave	1430 137164	2723 213424	4517 274750	30567	65758	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
Vinyl acetate	FB	Ave	10233 725595	19004 1194646	38846 1338983	184659	360362	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
1,1-Dichloroethane	FB	Ave	10361 942579	19650 1430976	39107 1863359	213233	453363	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
2-Butanone (MEK)	FB	Ave	++++ 176344	4714 265449	8428 320202	41840	82020	++++ 80.0	2.00 120	4.00 160	20.0	40.0
cis-1,2-Dichloroethene	FB	Ave	5745 578355	13668 878104	24915 1161175	133546	271993	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
2,2-Dichloropropane	FB	Ave	++++ 120330	2709 175554	5642 233852	29966	59221	++++ 40.0	1.00 60.0	2.00 80.0	10.0	20.0
Chlorobromomethane	FB	Ave	3287 279669	5748 430945	11477 568040	62239	134983	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
Tetrahydrofuran	FB	Ave	5858 425733	10450 639690	19154 767126	97966	204255	1.00 80.0	2.00 120	4.00 160	20.0	40.0
Chloroform	FB	Ave	9560 908789	19783 1380875	38448 1830857	212951	436883	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
1,1,1-Trichloroethane	FB	Ave	8379 791150	16137 1212701	32148 1576818	181620	385873	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
Cyclohexane	FB	Ave	8164 809663	15873 1204357	33245 1631491	190454	397001	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
1,1-Dichloropropene	FB	Ave	8323 771820	16921 1175766	31533 1548958	179807	371872	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
Carbon tetrachloride	FB	Ave	7008 729843	14669 1113868	29693 1484014	162025	344794	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 531220

SDG No.: _____

Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2022 15:29 Calibration End Date: 06/17/2022 18:14 Calibration ID: 66322

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Isobutyl alcohol	FB	Ave	6431 612045	13367 898326	26767 1026488	141577	290321	12.5 1000	25.0 1500	50.0 2000	250	500
Benzene	FB	Ave	23486 2133564	45289 3276695	91776 4355543	487470	1029956	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
1,2-Dichloroethane	FB	Ave	7995 724985	15872 1078248	31257 1403533	166765	343869	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
n-Heptane	FB	Ave	++++ 119862	2642 182367	4477 245751	27724	60060	++++ 40.0	1.00 60.0	2.00 80.0	10.0	20.0
Trichloroethene	FB	Ave	6453 610167	12567 934642	25445 1233264	138694	290440	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
Methylcyclohexane	FB	Ave	6937 823818	14512 1235062	31606 1652710	187995	397919	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
1,2-Dichloropropane	FB	Ave	5360 497980	10963 756189	21960 1001142	117071	238586	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
1,4-Dioxane	FB	Ave	919 111706	1999 157302	4580 169307	25423	57084	10.0 800	20.0 1200	40.0 1600	200	400
Dibromomethane	FB	Ave	3765 315762	6989 470977	13839 608489	72079	148559	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
Dichlorobromomethane	FB	Ave	7640 676926	13623 1037173	27670 1342315	152773	309938	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
2-Chloroethyl vinyl ether	FB	Ave	8809 739838	16111 1192460	29955 1496459	167992	359835	1.00 80.0	2.00 120	4.00 160	20.0	40.0
cis-1,3-Dichloropropene	FB	Ave	8210 828704	17349 1293290	34621 1666525	185809	397639	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	15721 1319050	28874 2038935	61757 2500030	303058	639948	1.00 80.0	2.00 120	4.00 160	20.0	40.0
Toluene	CBNzd 5	Ave	26238 2304583	48927 3508499	99230 4550670	531520	1103663	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
trans-1,3-Dichloropropene	CBNzd 5	Ave	8441 771085	15508 1211370	31172 1545998	173518	364060	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
Ethyl methacrylate	CBNzd 5	Ave	7836 737007	16360 1153857	30180 1435294	165090	348746	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
1,1,2-Trichloroethane	CBNzd 5	Ave	5059 442501	9747 685567	18463 874063	102017	211549	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
Tetrachloroethene	CBNzd 5	Ave	4618 463299	9141 730856	18472 950831	102216	216167	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 531220

SDG No.: _____

Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2022 15:29 Calibration End Date: 06/17/2022 18:14 Calibration ID: 66322

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,3-Dichloropropane	CBNZd 5	Ave	8162	17462	33002	181814	382799	0.500	1.00	2.00	10.0	20.0
			780994	1225542	1553616			40.0	60.0	80.0		
2-Hexanone	CBNZd 5	Ave	11322	22447	42918	228534	484323	1.00	2.00	4.00	20.0	40.0
			1004633	1540811	1864287			80.0	120	160		
Chlorodibromomethane	CBNZd 5	Ave	5136	10050	20926	109094	236533	0.500	1.00	2.00	10.0	20.0
			505764	786066	1011049			40.0	60.0	80.0		
Ethylene Dibromide	CBNZd 5	Ave	5483	10071	20664	108159	233386	0.500	1.00	2.00	10.0	20.0
			480096	747878	948124			40.0	60.0	80.0		
Chlorobenzene	CBNZd 5	Ave	15209	31069	60738	321494	684852	0.500	1.00	2.00	10.0	20.0
			1417194	2197880	2831852			40.0	60.0	80.0		
1,1,1,2-Tetrachloroethane	CBNZd 5	Ave	4900	9176	18714	107694	232496	0.500	1.00	2.00	10.0	20.0
			478955	730071	950745			40.0	60.0	80.0		
Ethylbenzene	CBNZd 5	Ave	7947	17201	31924	182286	380291	0.500	1.00	2.00	10.0	20.0
			794837	1232007	1582171			40.0	60.0	80.0		
m-Xylene & p-Xylene	CBNZd 5	Ave	19161	38743	75535	431114	921861	0.500	1.00	2.00	10.0	20.0
			1866722	2876304	3681172			40.0	60.0	80.0		
o-Xylene	CBNZd 5	Ave	9740	18287	37343	207120	427485	0.500	1.00	2.00	10.0	20.0
			894396	1362412	1763526			40.0	60.0	80.0		
Styrene	CBNZd 5	Ave	16268	29956	62927	352313	735676	0.500	1.00	2.00	10.0	20.0
			1549340	2387025	3062334			40.0	60.0	80.0		
Bromoform	CBNZd 5	Ave	3722	6632	13554	75494	167063	0.500	1.00	2.00	10.0	20.0
			377545	590685	774212			40.0	60.0	80.0		
Isopropylbenzene	CBNZd 5	Ave	22021	44938	91451	503121	1075642	0.500	1.00	2.00	10.0	20.0
			2261062	3414725	4481110			40.0	60.0	80.0		
1,1,2,2-Tetrachloroethane	DCBd4	Ave	6514	12388	26311	133929	275454	0.500	1.00	2.00	10.0	20.0
			567058	858467	1084312			40.0	60.0	80.0		
trans-1,4-Dichloro-2-butene	DCBd4	Ave	2242	4546	8803	47716	101745	0.500	1.00	2.00	10.0	20.0
			211826	329217	408083			40.0	60.0	80.0		
Bromobenzene	DCBd4	Ave	5609	11284	21947	124062	268818	0.500	1.00	2.00	10.0	20.0
			575514	890995	1162303			40.0	60.0	80.0		
1,2,3-Trichloropropane	DCBd4	Ave	2060	4403	8515	47818	98585	0.500	1.00	2.00	10.0	20.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 531220

SDG No.: _____

Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2022 15:29 Calibration End Date: 06/17/2022 18:14 Calibration ID: 66322

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			211239	321066	403407			40.0	60.0	80.0		
N-Propylbenzene	DCBd4	Ave	6240 621193	11741 952212	24277 1229909	138604	303517	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
2-Chlorotoluene	DCBd4	Ave	4824 522903	10401 795966	21604 1026748	120614	251383	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
1,3,5-Trimethylbenzene	DCBd4	Ave	16634 1687446	33610 2527247	69569 3286659	379710	810064	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
4-Chlorotoluene	DCBd4	Ave	16563 1587974	32285 2395200	64946 3071541	361576	761327	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
tert-Butylbenzene	DCBd4	Ave	14547 1466415	29499 2201917	60213 2884311	332244	699451	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
1,2,4-Trimethylbenzene	DCBd4	Ave	16842 1682362	31829 2516225	67417 3248252	388252	815391	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
sec-Butylbenzene	DCBd4	Ave	19304 1959143	36648 2918290	75893 3824259	434766	940683	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
1,3-Dichlorobenzene	DCBd4	Ave	9527 984064	19377 1501124	39153 1951702	209992	458958	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
4-Isopropyltoluene	DCBd4	Ave	16437 1682163	30738 2538125	65463 3316885	371365	797356	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
1,4-Dichlorobenzene	DCBd4	Ave	9887 989807	20278 1526096	39461 1971342	220650	466006	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
n-Butylbenzene	DCBd4	Ave	12690 1325322	25513 1979704	53959 2568551	297201	642704	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
1,2-Dichlorobenzene	DCBd4	Ave	8543 856049	17601 1322212	35155 1721570	186743	402749	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	1477 144362	3402 220456	6507 290697	30617	66608	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
1,2,4-Trichlorobenzene	DCBd4	Ave	4053 381232	7720 583801	15536 852115	80386	175914	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
Hexachlorobutadiene	DCBd4	Ave	1777 171222	3133 270732	7210 390998	34852	81793	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
Naphthalene	DCBd4	Ave	14321 1357932	26809 2059151	55454 3016007	290752	635081	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
1,2,3-Trichlorobenzene	DCBd4	Ave	3402 340823	6533 528233	13020 781209	68792	152551	0.500 40.0	1.00 60.0	2.00 80.0	10.0	20.0
Dibromofluoromethane (Surr)	FB	Ave	++++ 485243	11010 771286	21268 1013849	116104	237992	++++ 40.0	1.00 60.0	2.00 80.0	10.0	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	++++ 582686	15956 914521	27934 1187928	147856	288806	++++ 40.0	1.00 60.0	2.00 80.0	10.0	20.0
Toluene-d8 (Surr)	CBNZd 5	Ave	++++ 50966		93784	485341	955096	++++ 1.00		2.00	10.0	20.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 531220

SDG No.: _____

Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2022 15:29 Calibration End Date: 06/17/2022 18:14 Calibration ID: 66322

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			1928415	3096581	4037069			40.0	60.0	80.0		
4-Bromofluorobenzene (Surr)	CBNZd 5	Ave	+++++	21872	33869	160726	319069	+++++	1.00	2.00	10.0	20.0
			641482	1018070	1309144			40.0	60.0	80.0		

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 531220

SDG No.: _____

Instrument ID: A3UX15 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/17/2022 15:29 Calibration End Date: 06/17/2022 18:14 Calibration ID: 66322

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-531220/9	UXC2434.D
Level 2	STD8260 240-531220/10	UXC2435.D
Level 3	STD8260 240-531220/11	UXC2436.D
Level 4	STD8260 240-531220/12	UXC2437.D
Level 5	ICIS 240-531220/13	UXC2438.D
Level 6	STD8260 240-531220/14	UXC2439.D
Level 7	STD8260 240-531220/15	UXC2440.D
Level 8	STD8260 240-531220/16	UXC2441.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #					LVL 7	LVL 8				
Acetone	+++++	-7.4						50				
Methylene Chloride	+++++	3.6						50				

Eurofins Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2434.D
 Lims ID: std8260 L1
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 17-Jun-2022 15:29:30 ALS Bottle#: 9 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0119589-009
 Operator ID: 001904 Instrument ID: A3UX15
 Sublist: chrom-8260_15*sub79
 Method: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\8260_15.m
 Limit Group: MSV 8260C ICAL
 Last Update: 20-Jun-2022 10:42:10 Calib Date: 17-Jun-2022 22:33:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2452.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1625

First Level Reviewer: laveyt

Date: 20-Jun-2022 10:07:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.932	5.932	0.000	99	940017	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.446	8.446	0.000	86	665784	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.569	10.569	0.000	96	292439	20.0	20.0	
\$ 4 Dibromofluoromethane (Surr)	113		5.399				ND	ND	U
\$ 5 1,2-Dichloroethane-d4 (Surr)	65		5.671				ND	ND	U
\$ 6 Toluene-d8 (Surr)	98		7.201				ND	ND	U
\$ 7 4-Bromofluorobenzene (Surr)	95		9.502				ND	ND	U
9 Dichlorodifluoromethane	85	2.054	2.043	0.011	96	4390	0.5000	0.4589	
10 Chloromethane	50	2.268	2.268	0.000	48	7392	0.5000	0.5974	
11 Vinyl chloride	62	2.398	2.387	0.011	67	6151	0.5000	0.4854	
12 Butadiene	54	2.434	2.422	0.012	94	6688	0.5000	0.5238	
13 Bromomethane	94		2.754				ND	ND	U
14 Chloroethane	64	2.861	2.849	0.012	65	4699	0.5000	0.5111	
15 Dichlorofluoromethane	67	3.074	3.063	0.011	95	12072	0.5000	0.5792	
16 Trichlorofluoromethane	101		3.074				ND	ND	U
17 Ethyl ether	59	3.347	3.335	0.012	85	4651	0.5000	0.4963	
18 Acrolein	56	3.477	3.466	0.011	91	3429	2.50	2.95	
19 1,1-Dichloroethene	96	3.572	3.561	0.011	98	4675	0.5000	0.4962	
20 112TCTFE	151	3.584	3.572	0.012	64	2542	0.5000	0.3937	
21 Acetone	43		3.584				ND	ND	U
22 Iodomethane	142	3.715	3.703	0.012	75	7415	0.5000	0.4885	
24 Carbon disulfide	76	3.786	3.774	0.012	99	14174	0.5000	0.5152	
27 Methyl acetate	43	3.857	3.857	0.000	96	12939	1.00	1.12	
26 3-Chloro-1-propene	76	3.881	3.881	0.000	88	3515	0.5000	0.4640	
28 Methylene Chloride	84		3.988				ND	ND	U
29 2-Methyl-2-propanol	59	4.047	4.047	0.000	91	6833	5.00	5.28	
30 Acrylonitrile	53	4.177	4.177	0.000	99	23902	5.00	5.01	
31 Methyl tert-butyl ether	73	4.201	4.201	0.000	97	15640	0.5000	0.4916	
32 trans-1,2-Dichloroethene	96	4.225	4.213	0.011	91	7383	0.5000	0.5936	
34 Hexane	86	4.438	4.426	0.012	91	1430	0.5000	0.5000	
36 Vinyl acetate	43	4.545	4.545	0.000	97	10233	0.5000	0.5839	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 1,1-Dichloroethane	63	4.580	4.569	0.011	95	10361	0.5000	0.5098	
40 2-Butanone (MEK)	72		4.995				ND	ND	U
41 cis-1,2-Dichloroethene	96	5.031	5.019	0.012	82	5745	0.5000	0.4567	
42 2,2-Dichloropropane	97		5.031				ND	ND	U
46 Chlorobromomethane	128	5.221	5.209	0.012	86	3287	0.5000	0.5397	
47 Tetrahydrofuran	42	5.232	5.221	0.011	89	5858	1.00	1.21	
48 Chloroform	83	5.280	5.268	0.012	94	9560	0.5000	0.4838	
49 1,1,1-Trichloroethane	97	5.434	5.434	0.000	95	8379	0.5000	0.4929	
50 Cyclohexane	56	5.493	5.494	-0.001	57	8164	0.5000	0.4730	
51 1,1-Dichloropropene	75	5.541	5.541	0.000	83	8323	0.5000	0.4963	
52 Carbon tetrachloride	117	5.553	5.553	0.000	83	7008	0.5000	0.4556	
53 Isobutyl alcohol	41	5.565	5.553	0.011	86	6431	12.5	12.4	
55 Benzene	78	5.707	5.707	0.000	98	23486	0.5000	0.5035	
56 1,2-Dichloroethane	62	5.742	5.743	-0.001	95	7995	0.5000	0.5088	
58 n-Heptane	100		5.885				ND	ND	
60 Trichloroethene	130	6.217	6.217	0.000	94	6453	0.5000	0.4916	
62 Methylcyclohexane	83	6.418	6.407	0.011	87	6937	0.5000	0.4129	
63 1,2-Dichloropropane	63	6.430	6.419	0.012	91	5360	0.5000	0.4907	
66 1,4-Dioxane	88	6.466	6.466	0.000	24	919	10.0	8.30	
65 Dibromomethane	93	6.501	6.502	-0.001	96	3765	0.5000	0.5439	
67 Dichlorobromomethane	83	6.620	6.620	0.000	97	7640	0.5000	0.5272	
69 2-Chloroethyl vinyl ether	63	6.810	6.810	0.000	90	8809	1.00	1.08	
70 cis-1,3-Dichloropropene	75	6.964	6.964	0.000	92	8210	0.5000	0.4626	
71 4-Methyl-2-pentanone (MIBK)	43	7.071	7.071	0.000	96	15721	1.00	1.07	
72 Toluene	91	7.260	7.260	0.000	97	26238	0.5000	0.5304	
73 trans-1,3-Dichloropropene	75	7.426	7.426	0.000	92	8441	0.5000	0.5187	
74 Ethyl methacrylate	69	7.438	7.438	0.000	90	7836	0.5000	0.5015	
75 1,1,2-Trichloroethane	97	7.604	7.604	0.000	92	5059	0.5000	0.5309	
76 Tetrachloroethene	164	7.699	7.699	0.000	96	4618	0.5000	0.4796	
77 1,3-Dichloropropane	76	7.746	7.747	-0.001	95	8162	0.5000	0.4859	
78 2-Hexanone	43	7.758	7.759	-0.001	92	11322	1.00	1.05	
80 Chlorodibromomethane	129	7.936	7.936	0.000	86	5136	0.5000	0.4890	
82 Ethylene Dibromide	107	8.067	8.055	0.012	94	5483	0.5000	0.5314	
84 Chlorobenzene	112	8.482	8.482	0.000	96	15209	0.5000	0.5006	
85 1,1,1,2-Tetrachloroethane	131	8.541	8.541	0.000	43	4900	0.5000	0.4943	
86 Ethylbenzene	106	8.541	8.541	0.000	99	7947	0.5000	0.4749	
87 m-Xylene & p-Xylene	91	8.648	8.648	0.000	95	19161	0.5000	0.4865	
88 o-Xylene	106	9.003	9.004	-0.001	92	9740	0.5000	0.5142	
89 Styrene	104	9.015	9.016	-0.001	91	16268	0.5000	0.5033	
90 Bromoform	173	9.205	9.205	0.000	92	3722	0.5000	0.4959	
91 Isopropylbenzene	105	9.324	9.324	0.000	96	22021	0.5000	0.4722	
94 1,1,2,2-Tetrachloroethane	83	9.596	9.597	-0.001	92	6514	0.5000	0.5658	
97 trans-1,4-Dichloro-2-butene	53	9.632	9.632	0.000	40	2242	0.5000	0.5371	
95 Bromobenzene	156	9.644	9.644	0.000	90	5609	0.5000	0.5120	
96 1,2,3-Trichloropropane	110	9.668	9.668	0.000	50	2060	0.5000	0.5074	
98 N-Propylbenzene	120	9.703	9.703	0.000	99	6240	0.5000	0.5232	
99 2-Chlorotoluene	126	9.810	9.810	0.000	98	4824	0.5000	0.4797	
101 1,3,5-Trimethylbenzene	105	9.857	9.857	0.000	95	16634	0.5000	0.5118	
102 4-Chlorotoluene	91	9.917	9.917	0.000	96	16563	0.5000	0.5360	
104 tert-Butylbenzene	119	10.166	10.166	0.000	91	14547	0.5000	0.5134	
106 1,2,4-Trimethylbenzene	105	10.213	10.213	0.000	96	16842	0.5000	0.5218	
107 sec-Butylbenzene	105	10.367	10.367	0.000	94	19304	0.5000	0.5201	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 1,3-Dichlorobenzene	146	10.510	10.510	0.000	76	9527	0.5000	0.5093	
109 4-Isopropyltoluene	119	10.510	10.510	0.000	96	16437	0.5000	0.5170	
110 1,4-Dichlorobenzene	146	10.604	10.593	0.011	90	9887	0.5000	0.5165	
113 n-Butylbenzene	91	10.889	10.889	0.000	96	12690	0.5000	0.5017	
114 1,2-Dichlorobenzene	146	10.936	10.937	-0.001	95	8543	0.5000	0.5147	
115 1,2-Dibromo-3-Chloropropane	157	11.672	11.684	-0.012	39	1477	0.5000	0.5148	
117 1,2,4-Trichlorobenzene	180	12.454	12.454	0.000	90	4053	0.5000	0.5414	
118 Hexachlorobutadiene	225	12.573	12.573	0.000	87	1777	0.5000	0.5299	
119 Naphthalene	128	12.715	12.715	0.000	97	14321	0.5000	0.5384	
120 1,2,3-Trichlorobenzene	180	12.929	12.929	0.000	92	3402	0.5000	0.5212	
S 130 Total BTEX	1				0		2.50	2.51	
S 131 Trihalomethanes, Total	1				0		2.00	2.00	
S 127 1,2-Dichloroethene, Total	96				0			1.05	
S 128 1,3-Dichloropropene, Total	75				0			0.9813	
S 129 Xylenes, Total	106				0		1.00	1.00	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Review Flags

U - Marked Undetected

Reagents:

vm50is_stk_A_00011	Amount Added: 2.00	Units: uL
vmrgas_00430	Amount Added: 0.40	Units: uL
vmarolistdw_00442	Amount Added: 0.40	Units: uL
vmrprimw_00486	Amount Added: 0.40	Units: uL
vm50ss_stk_00091	Amount Added: 0.40	Units: uL

Eurofins Canton

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2434.D

Injection Date: 17-Jun-2022 15:29:30

Instrument ID: A3UX15

Operator ID: 001904

Lims ID: std8260 L1

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

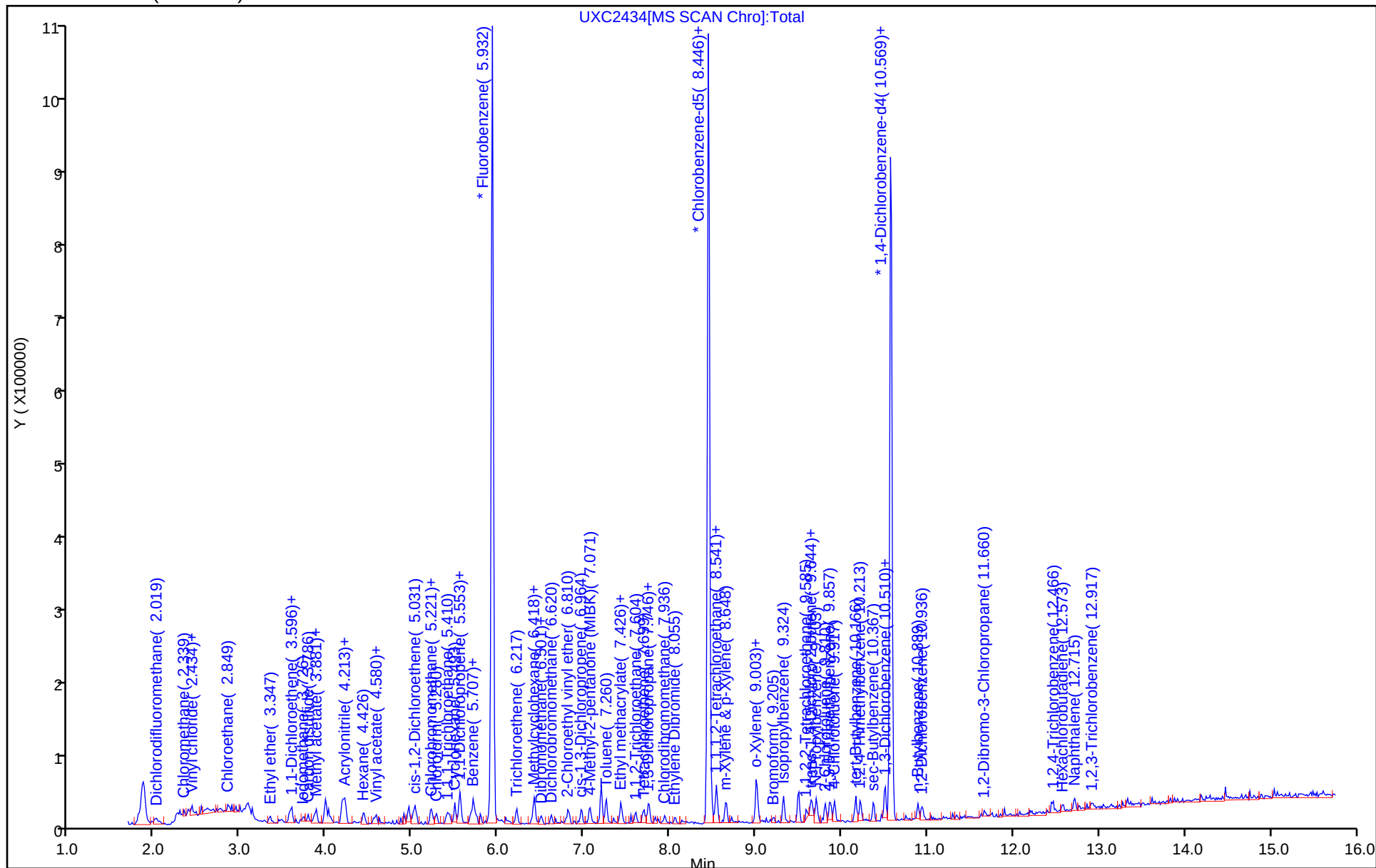
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: 8260_15

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)



Eurofins Canton

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2434.D

Injection Date: 17-Jun-2022 15:29:30

Instrument ID: A3UX15

Lims ID: std8260 L1

Client ID:

Operator ID: 001904

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260_15

Limit Group:

MSV 8260C ICAL

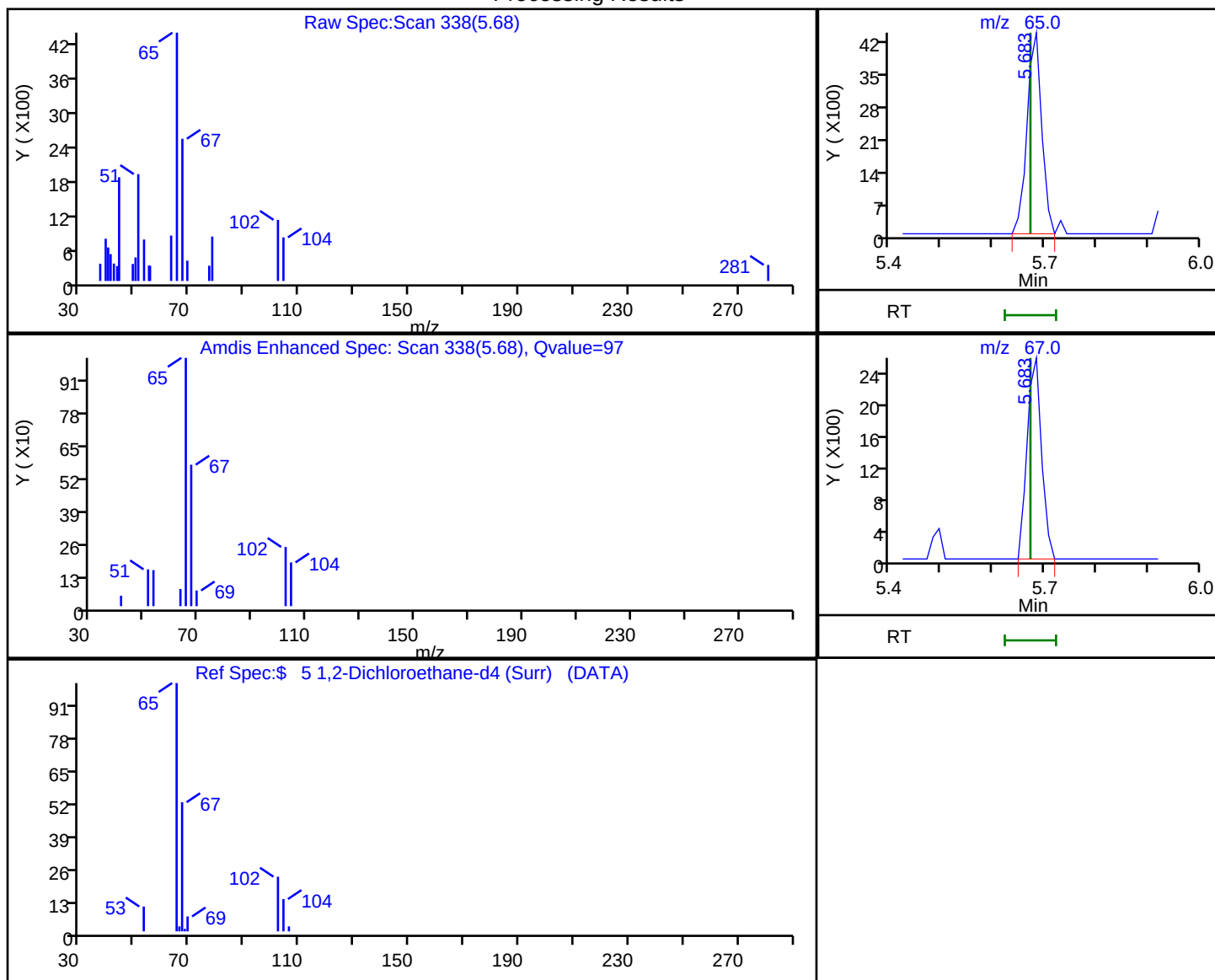
Column: DB-624 (0.18 mm)

Detector

MS SCAN

\$ 5 1,2-Dichloroethane-d4 (Surr), CAS: 17060-07-0

Processing Results



RT	Mass	Response	Amount
5.68	65.00	8704	0.615249
5.68	67.00	4914	

Reviewer: laveyt, 20-Jun-2022 10:23:55

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Canton

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2434.D

Injection Date: 17-Jun-2022 15:29:30

Instrument ID: A3UX15

Lims ID: std8260 L1

Client ID:

Operator ID: 001904

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260_15

Limit Group: MSV 8260C ICAL

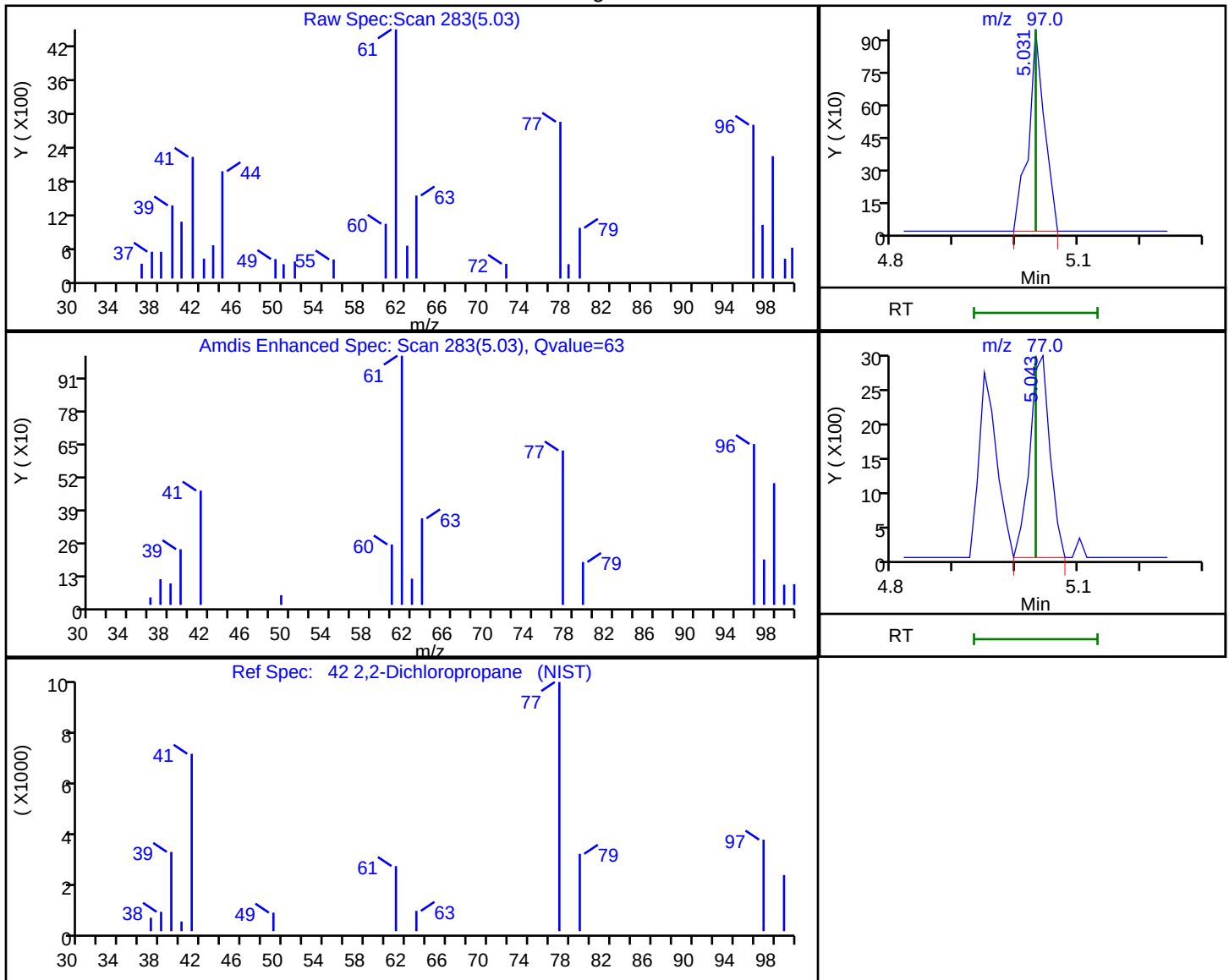
Column: DB-624 (0.18 mm)

Detector

MS SCAN

42 2,2-Dichloropropane, CAS: 594-20-7

Processing Results



RT	Mass	Response	Amount
5.03	97.00	1699	0.613210
5.04	77.00	6725	

Reviewer: laveyt, 20-Jun-2022 10:28:46

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Canton

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2434.D

Injection Date: 17-Jun-2022 15:29:30

Instrument ID: A3UX15

Lims ID: std8260 L1

Client ID:

Operator ID: 001904

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260_15

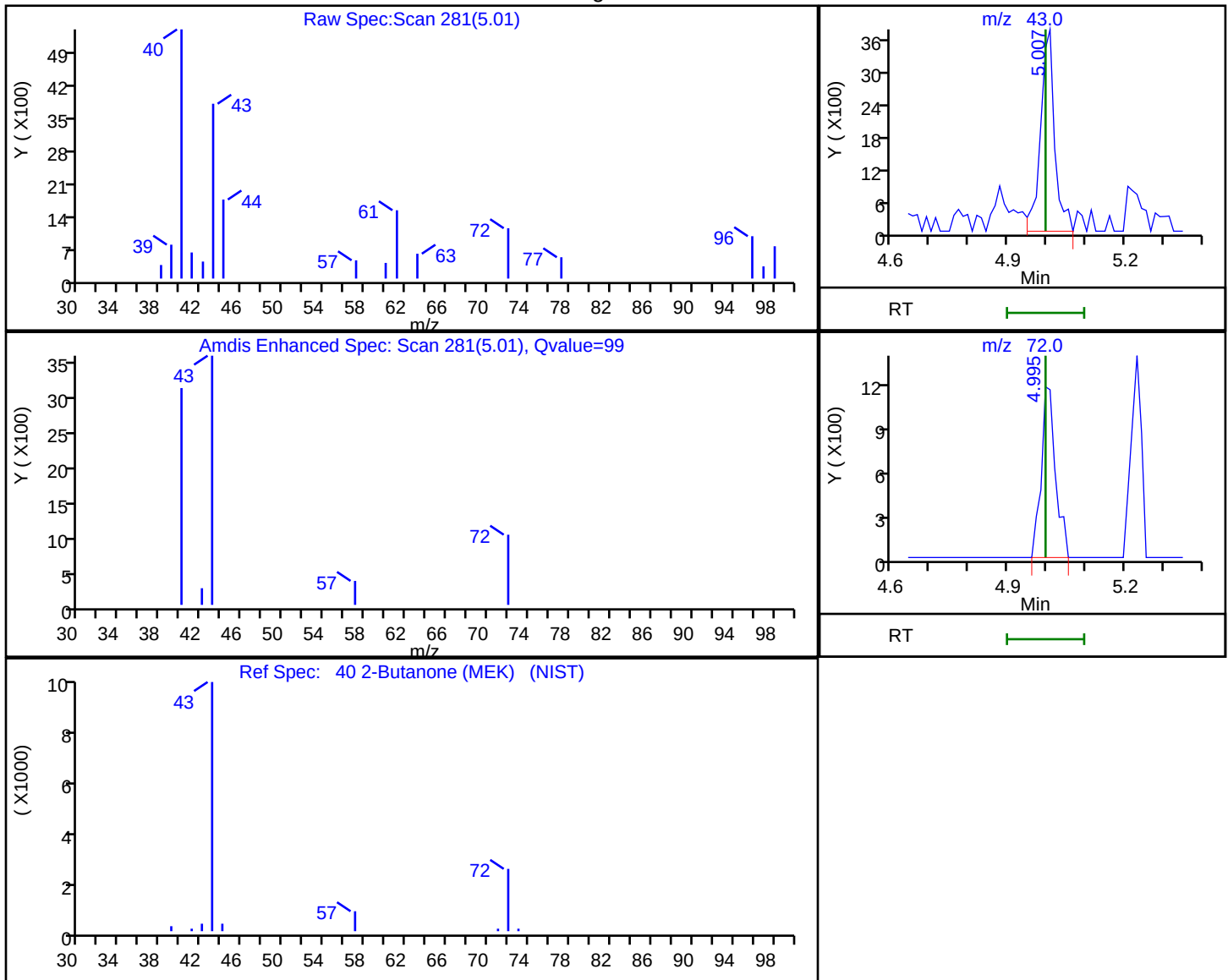
Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

40 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
5.01	43.00	9546	
5.00	72.00	2844	1.361762

Reviewer: laveyt, 20-Jun-2022 10:28:07

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Canton

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2434.D

Injection Date: 17-Jun-2022 15:29:30

Instrument ID: A3UX15

Lims ID: std8260 L1

Client ID:

Operator ID: 001904

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260_15

Limit Group:

MSV 8260C ICAL

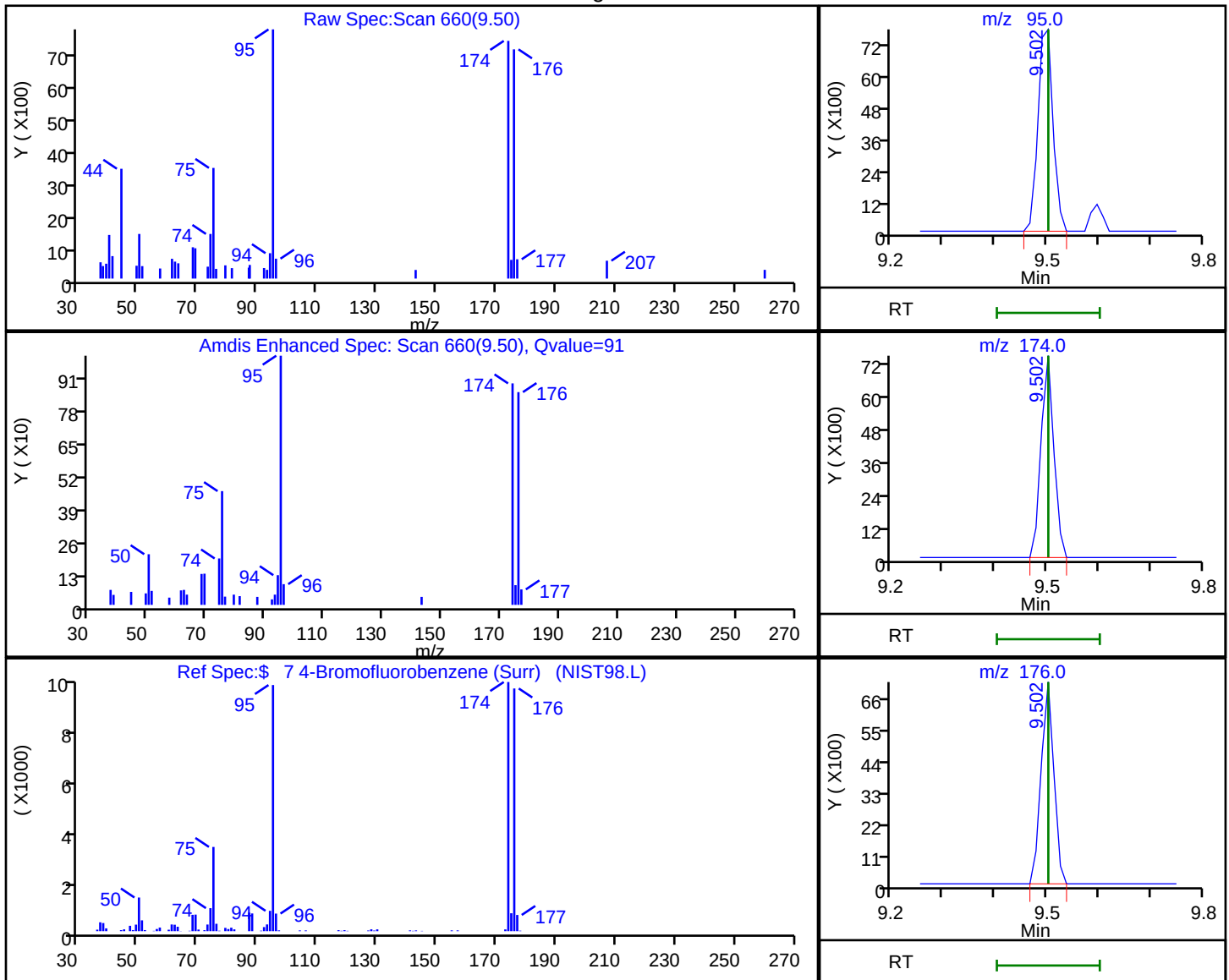
Column: DB-624 (0.18 mm)

Detector

MS SCAN

\$ 7 4-Bromofluorobenzene (Surr), CAS: 460-00-4

Processing Results



RT	Mass	Response	Amount
9.50	95.00	15818	0.638577
9.50	174.00	12847	
9.50	176.00	12283	

Reviewer: laveyt, 20-Jun-2022 10:24:04

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Canton

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2434.D

Injection Date: 17-Jun-2022 15:29:30

Instrument ID: A3UX15

Lims ID: std8260 L1

Client ID:

Operator ID: 001904

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor:

1.0000

Method: 8260_15

Limit Group:

MSV 8260C ICAL

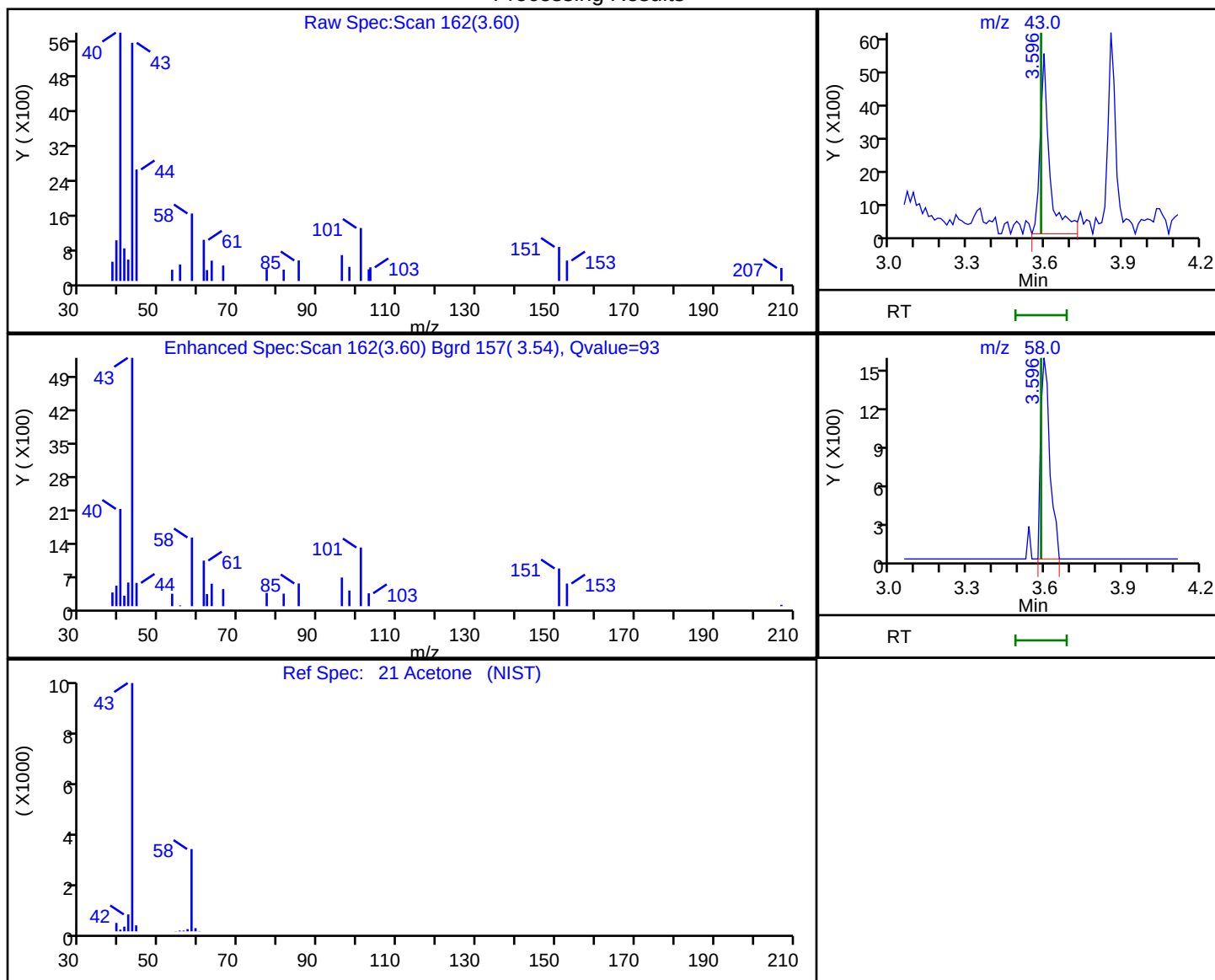
Column: DB-624 (0.18 mm)

Detector

MS SCAN

21 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
3.60	43.00	14399	2.585530
3.60	58.00	3873	

Reviewer: laveyt, 20-Jun-2022 10:25:49

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Canton

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2434.D

Injection Date: 17-Jun-2022 15:29:30

Instrument ID: A3UX15

Lims ID: std8260 L1

Client ID:

Operator ID: 001904

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260_15

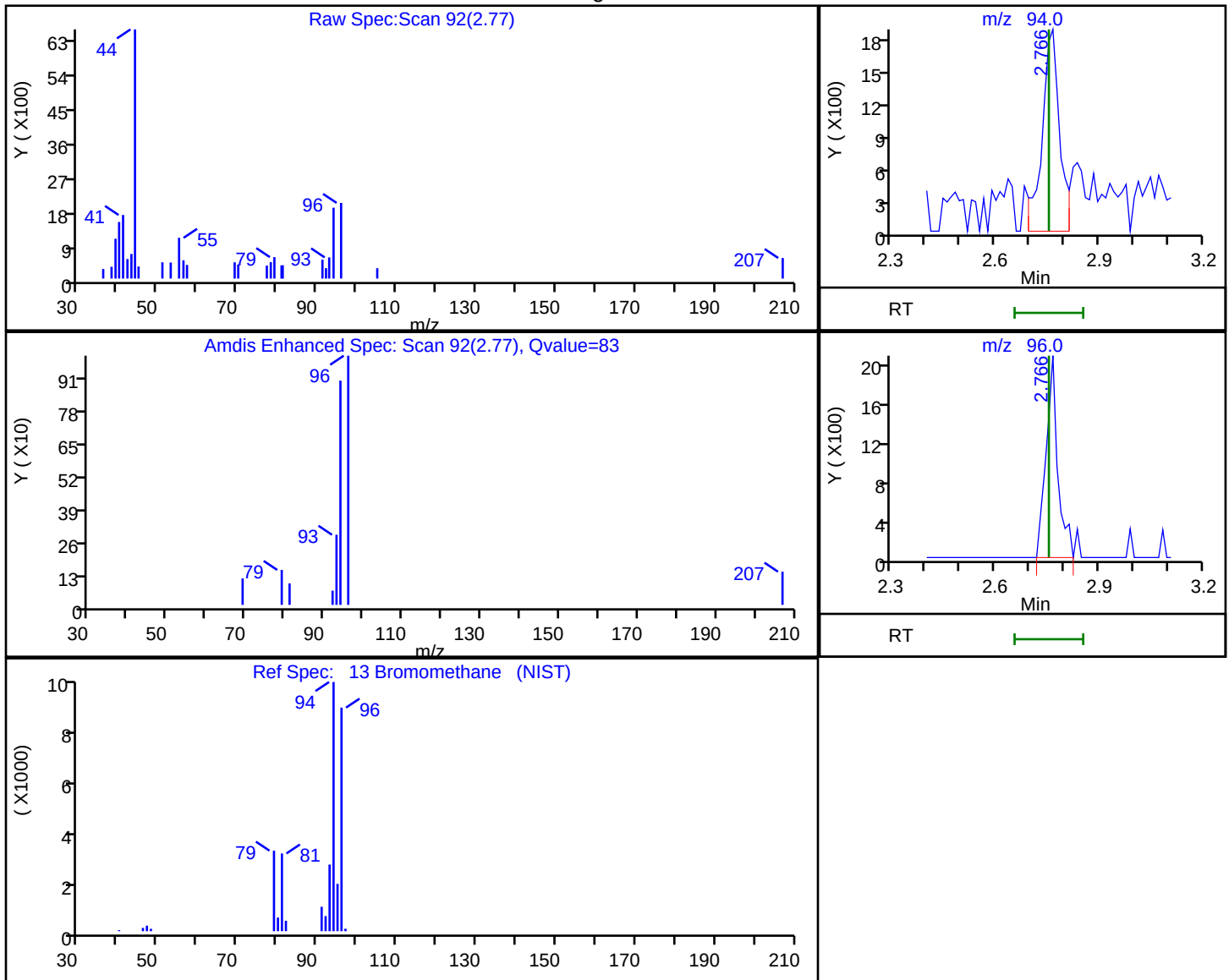
Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

13 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.77	94.00	6675	0.648637
2.77	96.00	4750	

Reviewer: laveyt, 20-Jun-2022 10:25:18

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Canton

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2434.D

Injection Date: 17-Jun-2022 15:29:30

Instrument ID: A3UX15

Lims ID: std8260 L1

Client ID:

Operator ID: 001904

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260_15

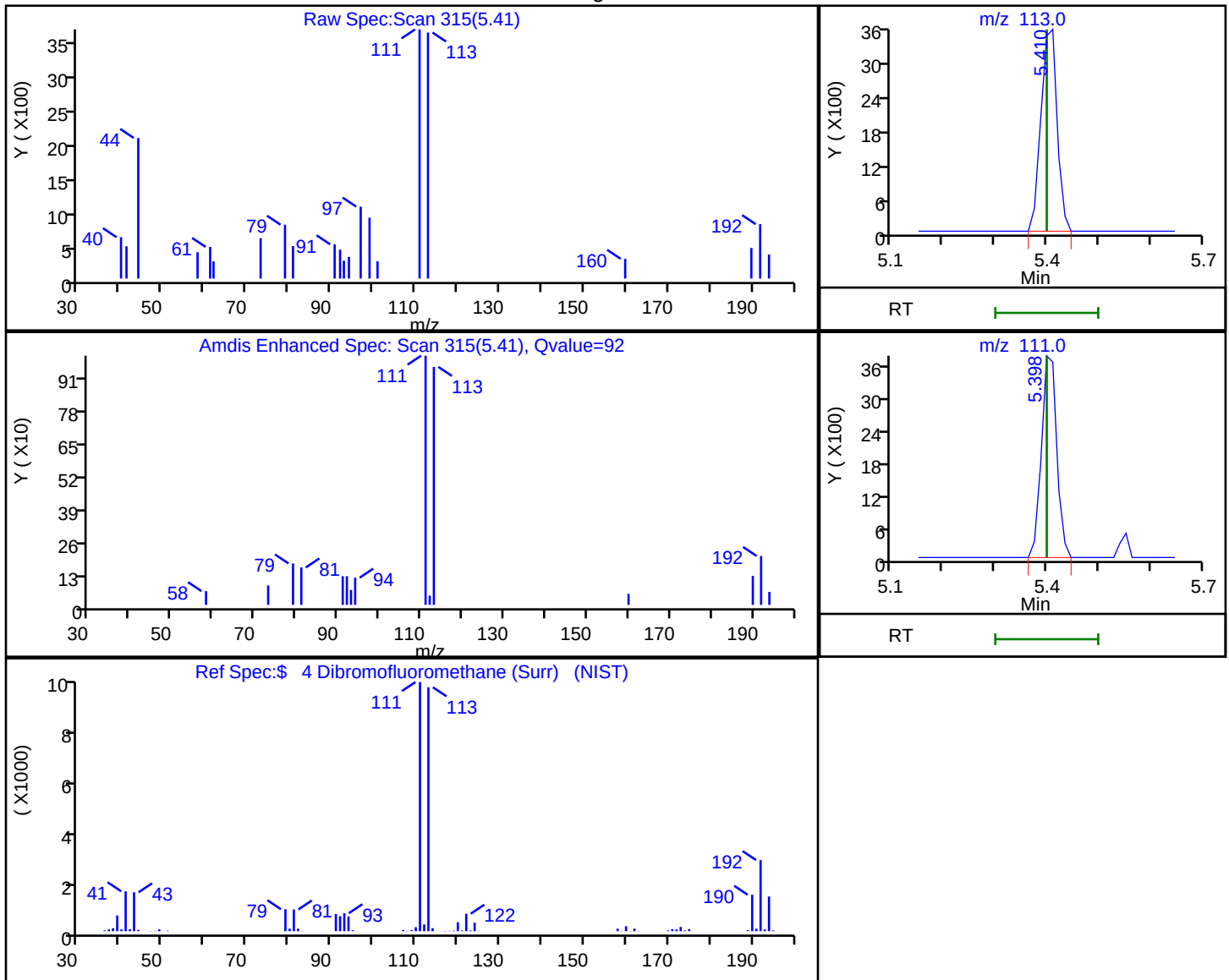
Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

\$ 4 Dibromofluoromethane (Surr), CAS: 1868-53-7

Processing Results



RT	Mass	Response	Amount
5.41	113.00	7858	0.682851
5.40	111.00	7785	

Reviewer: laveyt, 20-Jun-2022 10:23:49

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Canton

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2434.D

Injection Date: 17-Jun-2022 15:29:30

Instrument ID: A3UX15

Lims ID: std8260 L1

Client ID:

Operator ID: 001904

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260_15

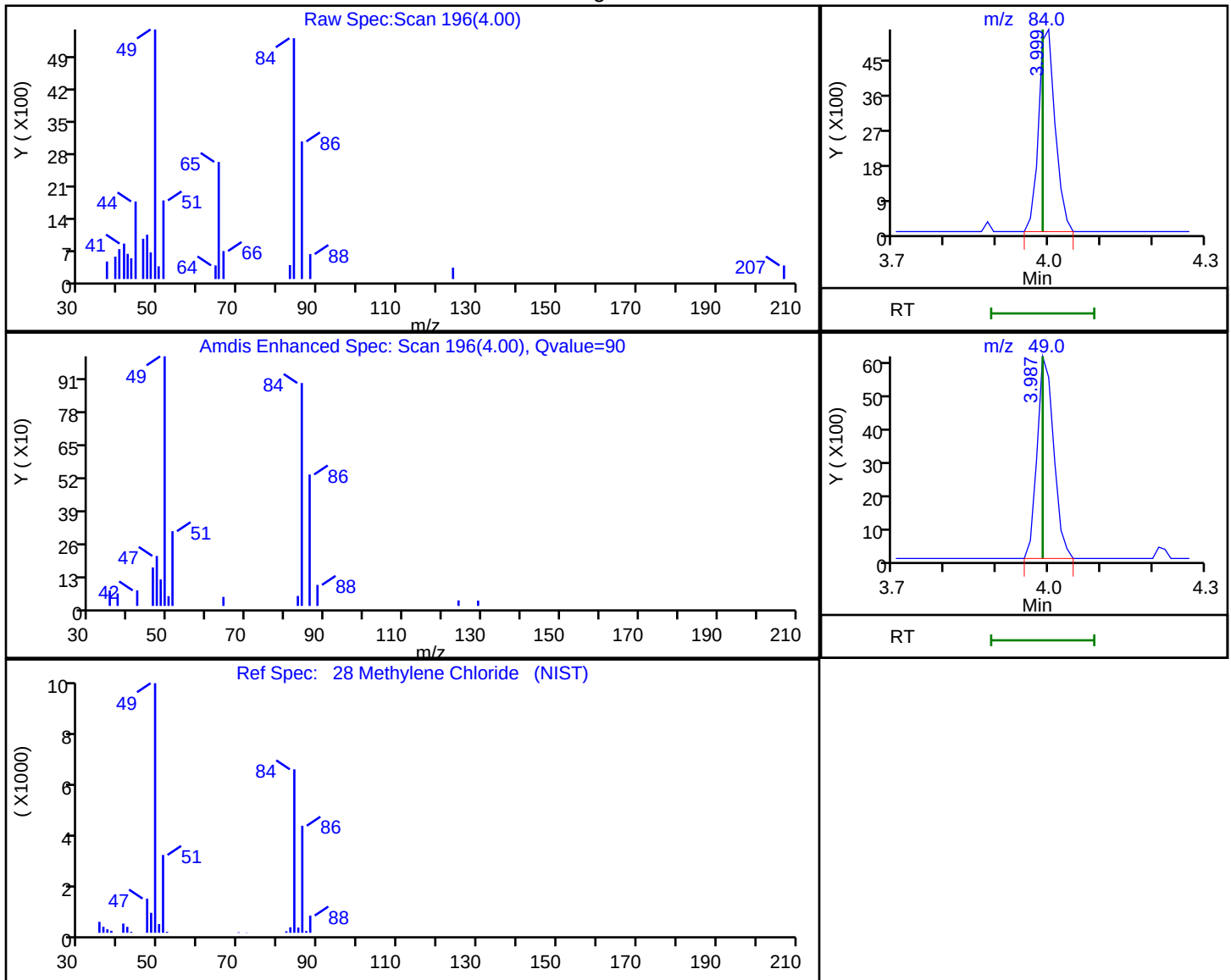
Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

28 Methylene Chloride, CAS: 75-09-2

Processing Results



RT	Mass	Response	Amount
4.00	84.00	11823	0.519005
3.99	49.00	13653	

Reviewer: laveyt, 20-Jun-2022 10:26:22

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Canton

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2434.D

Injection Date: 17-Jun-2022 15:29:30

Instrument ID: A3UX15

Lims ID: std8260 L1

Client ID:

Operator ID: 001904

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260_15

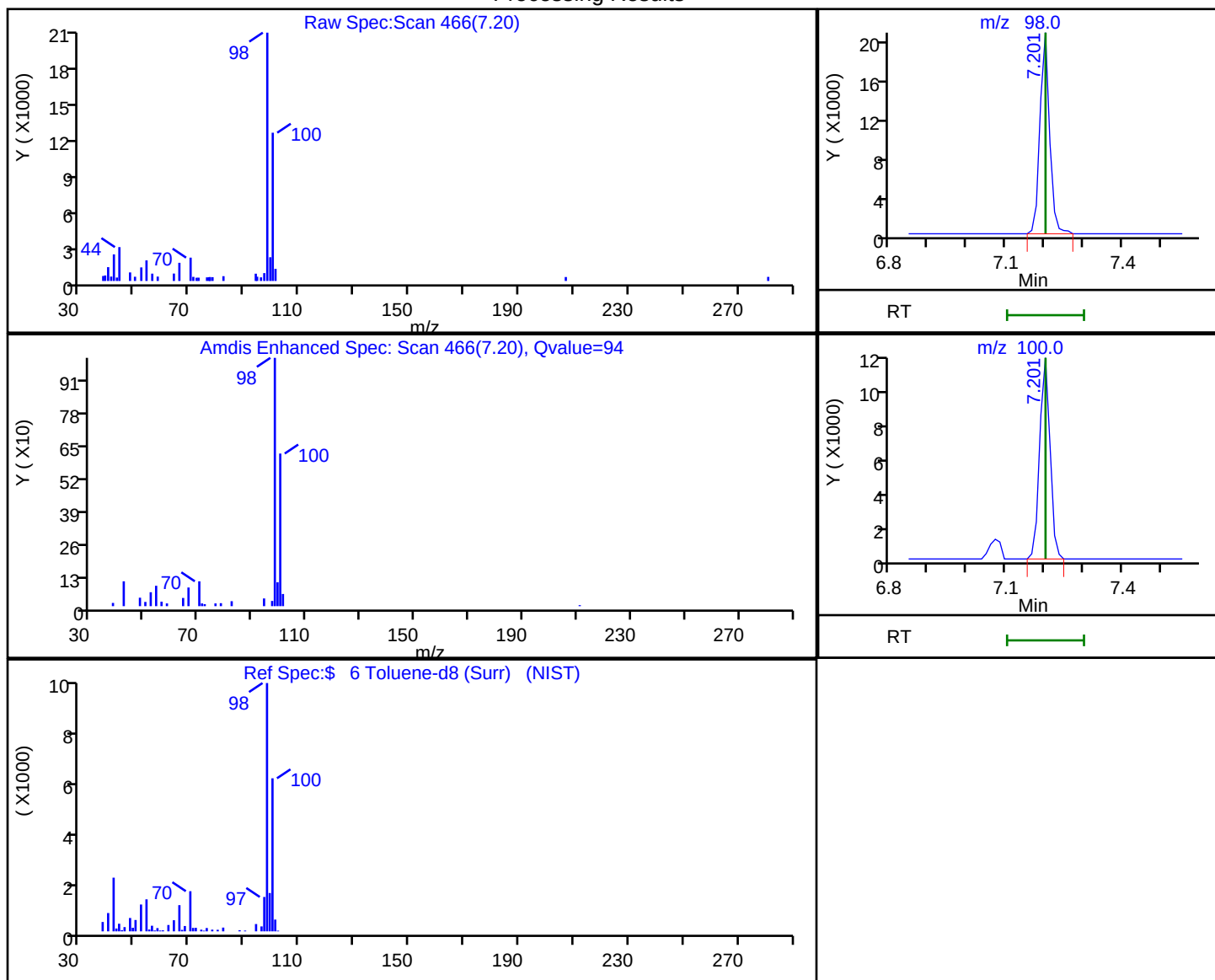
Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Detector: MS SCAN

\$ 6 Toluene-d8 (Surr), CAS: 2037-26-5

Processing Results



RT	Mass	Response	Amount
7.20	98.00	35004	0.733968
7.20	100.00	22480	

Reviewer: laveyt, 20-Jun-2022 10:23:59

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Canton

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2434.D

Injection Date: 17-Jun-2022 15:29:30

Instrument ID: A3UX15

Lims ID: std8260 L1

Client ID:

Operator ID: 001904

ALS Bottle#:

9

Worklist Smp#: 9

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

Method: 8260_15

Limit Group: MSV 8260C ICAL

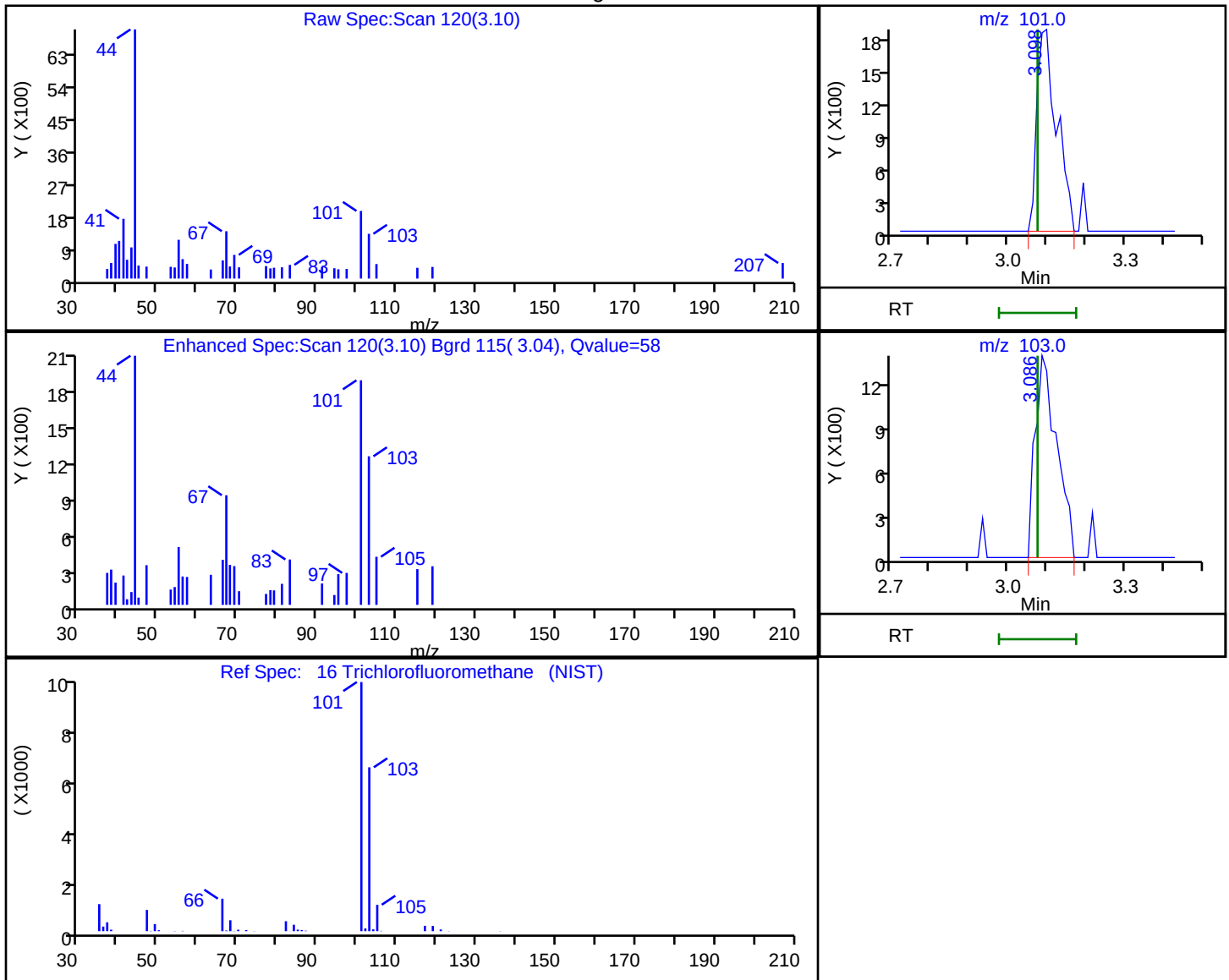
Column: DB-624 (0.18 mm)

Detector

MS SCAN

16 Trichlorofluoromethane, CAS: 75-69-4

Processing Results



RT	Mass	Response	Amount
3.10	101.00	6752	0.395675
3.09	103.00	5237	

Reviewer: laveyt, 20-Jun-2022 10:25:06

Audit Action: Marked Compound Undetected

Audit Reason: Invalid Compound ID

Eurofins Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2435.D
 Lims ID: std8260 L2
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 17-Jun-2022 15:53:30 ALS Bottle#: 10 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0119589-010
 Operator ID: 001904 Instrument ID: A3UX15
 Sublist: chrom-8260_15*sub79
 Method: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\8260_15.m
 Limit Group: MSV 8260C ICAL
 Last Update: 20-Jun-2022 10:42:13 Calib Date: 17-Jun-2022 22:33:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2452.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1625

First Level Reviewer: laveyt

Date: 20-Jun-2022 10:11:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.932	5.932	0.000	99	1011549	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.446	8.446	0.000	87	729295	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.569	10.569	0.000	96	331633	20.0	20.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.398	5.399	-0.001	92	11010	1.00	0.9381	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.683	5.671	0.012	99	15956	1.00	1.08	
\$ 6 Toluene-d8 (Surr)	98	7.201	7.201	0.000	94	50966	1.00	1.05	
\$ 7 4-Bromofluorobenzene (Surr)	95	9.502	9.502	0.000	89	21872	1.00	1.28	
9 Dichlorodifluoromethane	85	2.043	2.043	-0.001	86	7774	1.00	0.7551	
10 Chloromethane	50	2.268	2.268	0.000	99	12753	1.00	0.9578	
11 Vinyl chloride	62	2.386	2.387	-0.001	97	13114	1.00	0.9617	
12 Butadiene	54	2.422	2.422	0.000	96	11537	1.00	0.8397	
13 Bromomethane	94	2.754	2.754	0.000	90	10681	1.00	1.01	
14 Chloroethane	64	2.849	2.849	0.000	97	8325	1.00	0.8414	
15 Dichlorofluoromethane	67	3.062	3.063	-0.001	96	19991	1.00	0.8913	
16 Trichlorofluoromethane	101	3.086	3.074	0.012	68	15329	1.00	0.8106	
17 Ethyl ether	59	3.335	3.335	0.000	91	9119	1.00	0.9043	
18 Acrolein	56	3.477	3.466	0.011	95	5812	5.00	4.64	
19 1,1-Dichloroethene	96	3.560	3.561	-0.001	98	9795	1.00	0.9661	
20 112TCTFE	151	3.572	3.572	0.000	67	5668	1.00	0.8158	
21 Acetone	43	3.596	3.584	0.012	99	15062	2.00	1.85	
22 Iodomethane	142	3.715	3.703	0.012	90	14948	1.00	0.9151	
24 Carbon disulfide	76	3.774	3.774	0.000	100	27012	1.00	0.9125	
27 Methyl acetate	43	3.857	3.857	0.000	98	25561	2.00	2.06	
26 3-Chloro-1-propene	76	3.881	3.881	0.000	88	7267	1.00	0.8915	
28 Methylene Chloride	84	3.987	3.988	-0.001	90	18404	1.00	1.04	
29 2-Methyl-2-propanol	59	4.047	4.047	0.000	98	14119	10.0	10.1	
30 Acrylonitrile	53	4.177	4.177	0.000	98	46433	10.0	9.04	
31 Methyl tert-butyl ether	73	4.201	4.201	0.000	98	30923	1.00	0.9033	
32 trans-1,2-Dichloroethene	96	4.213	4.213	0.000	97	13628	1.00	1.02	
34 Hexane	86	4.438	4.426	0.012	93	2723	1.00	0.8847	
36 Vinyl acetate	43	4.545	4.545	0.000	97	19004	1.00	1.01	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 1,1-Dichloroethane	63	4.568	4.569	-0.001	97	19650	1.00	0.8986	
40 2-Butanone (MEK)	72	4.995	4.995	0.000	96	4714	2.00	2.21	
41 cis-1,2-Dichloroethene	96	5.031	5.019	0.012	80	13668	1.00	1.01	
42 2,2-Dichloropropane	97	5.043	5.031	0.012	89	2709	1.00	0.9390	
46 Chlorobromomethane	128	5.221	5.209	0.012	91	5748	1.00	0.8771	
47 Tetrahydrofuran	42	5.221	5.221	0.000	86	10450	2.00	2.01	
48 Chloroform	83	5.280	5.268	0.012	94	19783	1.00	0.9303	
49 1,1,1-Trichloroethane	97	5.434	5.434	0.000	96	16137	1.00	0.8822	
50 Cyclohexane	56	5.493	5.494	-0.001	90	15873	1.00	0.8546	
51 1,1-Dichloropropene	75	5.553	5.541	0.012	92	16921	1.00	0.9376	
52 Carbon tetrachloride	117	5.553	5.553	0.000	88	14669	1.00	0.8863	
53 Isobutyl alcohol	41	5.553	5.553	0.000	87	13367	25.0	23.9	
55 Benzene	78	5.707	5.707	0.000	97	45289	1.00	0.9023	
56 1,2-Dichloroethane	62	5.742	5.743	-0.001	97	15872	1.00	0.9386	
58 n-Heptane	100	5.897	5.885	0.012	91	2642	1.00	0.9438	
60 Trichloroethene	130	6.217	6.217	0.000	95	12567	1.00	0.8897	
62 Methylcyclohexane	83	6.406	6.407	-0.001	89	14512	1.00	0.8026	
63 1,2-Dichloropropane	63	6.418	6.419	0.000	91	10963	1.00	0.9327	
66 1,4-Dioxane	88	6.466	6.466	0.000	33	1999	20.0	16.8	
65 Dibromomethane	93	6.501	6.502	-0.001	94	6989	1.00	0.9382	
67 Dichlorobromomethane	83	6.620	6.620	0.000	97	13623	1.00	0.8736	
69 2-Chloroethyl vinyl ether	63	6.810	6.810	0.000	93	16111	2.00	1.83	
70 cis-1,3-Dichloropropene	75	6.964	6.964	0.000	92	17349	1.00	0.9084	
71 4-Methyl-2-pentanone (MIBK)	43	7.071	7.071	-0.001	97	28874	2.00	1.83	
72 Toluene	91	7.260	7.260	0.000	97	48927	1.00	0.9029	
73 trans-1,3-Dichloropropene	75	7.426	7.426	0.000	94	15508	1.00	0.8699	
74 Ethyl methacrylate	69	7.438	7.438	0.000	87	16360	1.00	0.9559	
75 1,1,2-Trichloroethane	97	7.604	7.604	0.000	92	9747	1.00	0.9337	
76 Tetrachloroethene	164	7.699	7.699	0.000	92	9141	1.00	0.8667	
77 1,3-Dichloropropane	76	7.746	7.747	-0.001	93	17462	1.00	0.9489	
78 2-Hexanone	43	7.758	7.759	-0.001	98	22447	2.00	1.91	
80 Chlorodibromomethane	129	7.936	7.936	0.000	91	10050	1.00	0.8736	
82 Ethylene Dibromide	107	8.055	8.055	0.000	64	10071	1.00	0.8911	
84 Chlorobenzene	112	8.470	8.482	-0.012	96	31069	1.00	0.9336	
85 1,1,1,2-Tetrachloroethane	131	8.541	8.541	0.000	44	9176	1.00	0.8451	
86 Ethylbenzene	106	8.541	8.541	0.000	97	17201	1.00	0.9384	
87 m-Xylene & p-Xylene	91	8.648	8.648	0.000	95	38743	1.00	0.8981	
88 o-Xylene	106	9.003	9.004	-0.001	96	18287	1.00	0.8813	
89 Styrene	104	9.015	9.016	-0.001	92	29956	1.00	0.8461	
90 Bromoform	173	9.205	9.205	0.000	92	6632	1.00	0.8067	
91 Isopropylbenzene	105	9.324	9.324	0.000	96	44938	1.00	0.8798	
94 1,1,2,2-Tetrachloroethane	83	9.596	9.597	-0.001	94	12388	1.00	0.9489	
97 trans-1,4-Dichloro-2-butene	53	9.632	9.632	0.000	72	4546	1.00	0.9604	
95 Bromobenzene	156	9.644	9.644	0.000	93	11284	1.00	0.9083	
96 1,2,3-Trichloropropane	110	9.668	9.668	0.000	82	4403	1.00	0.9563	
98 N-Propylbenzene	120	9.703	9.703	0.000	99	11741	1.00	0.8681	
99 2-Chlorotoluene	126	9.810	9.810	0.000	99	10401	1.00	0.9121	
101 1,3,5-Trimethylbenzene	105	9.869	9.857	0.012	94	33610	1.00	0.9119	
102 4-Chlorotoluene	91	9.917	9.917	0.000	96	32285	1.00	0.9214	
104 tert-Butylbenzene	119	10.166	10.166	0.000	93	29499	1.00	0.9181	
106 1,2,4-Trimethylbenzene	105	10.213	10.213	0.000	96	31829	1.00	0.8696	
107 sec-Butylbenzene	105	10.367	10.367	0.000	93	36648	1.00	0.8706	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 1,3-Dichlorobenzene	146	10.509	10.510	-0.001	78	19377	1.00	0.9134	
109 4-Isopropyltoluene	119	10.509	10.510	-0.001	96	30738	1.00	0.8525	
110 1,4-Dichlorobenzene	146	10.592	10.593	-0.001	95	20278	1.00	0.9341	
113 n-Butylbenzene	91	10.889	10.889	0.000	96	25513	1.00	0.8894	
114 1,2-Dichlorobenzene	146	10.948	10.937	0.011	97	17601	1.00	0.9350	
115 1,2-Dibromo-3-Chloropropane	157	11.672	11.684	-0.012	86	3402	1.00	1.05	
117 1,2,4-Trichlorobenzene	180	12.454	12.454	0.000	92	7720	1.00	0.9093	
118 Hexachlorobutadiene	225	12.585	12.573	0.012	91	3133	1.00	0.8238	
119 Naphthalene	128	12.715	12.715	0.000	97	26809	1.00	0.8887	
120 1,2,3-Trichlorobenzene	180	12.929	12.929	0.000	94	6533	1.00	0.8827	
S 130 Total BTEX	1				0		5.00	4.52	
S 131 Trihalomethanes, Total	1				0		4.00	3.48	
S 127 1,2-Dichloroethene, Total	96				0			2.03	
S 128 1,3-Dichloropropene, Total	75				0			1.78	
S 129 Xylenes, Total	106				0		2.00	1.78	

QC Flag Legend

Processing Flags

Reagents:

vm50is_stk_A_00011	Amount Added: 2.00	Units: uL
vmrgas_00430	Amount Added: 0.80	Units: uL
vmarolistdw_00442	Amount Added: 0.80	Units: uL
vmrprimw_00486	Amount Added: 0.80	Units: uL
vm50ss_stk_00091	Amount Added: 0.80	Units: uL

Eurofins Canton

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2435.D

Injection Date: 17-Jun-2022 15:53:30

Instrument ID: A3UX15

Operator ID: 001904

Lims ID: std8260 L2

Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL

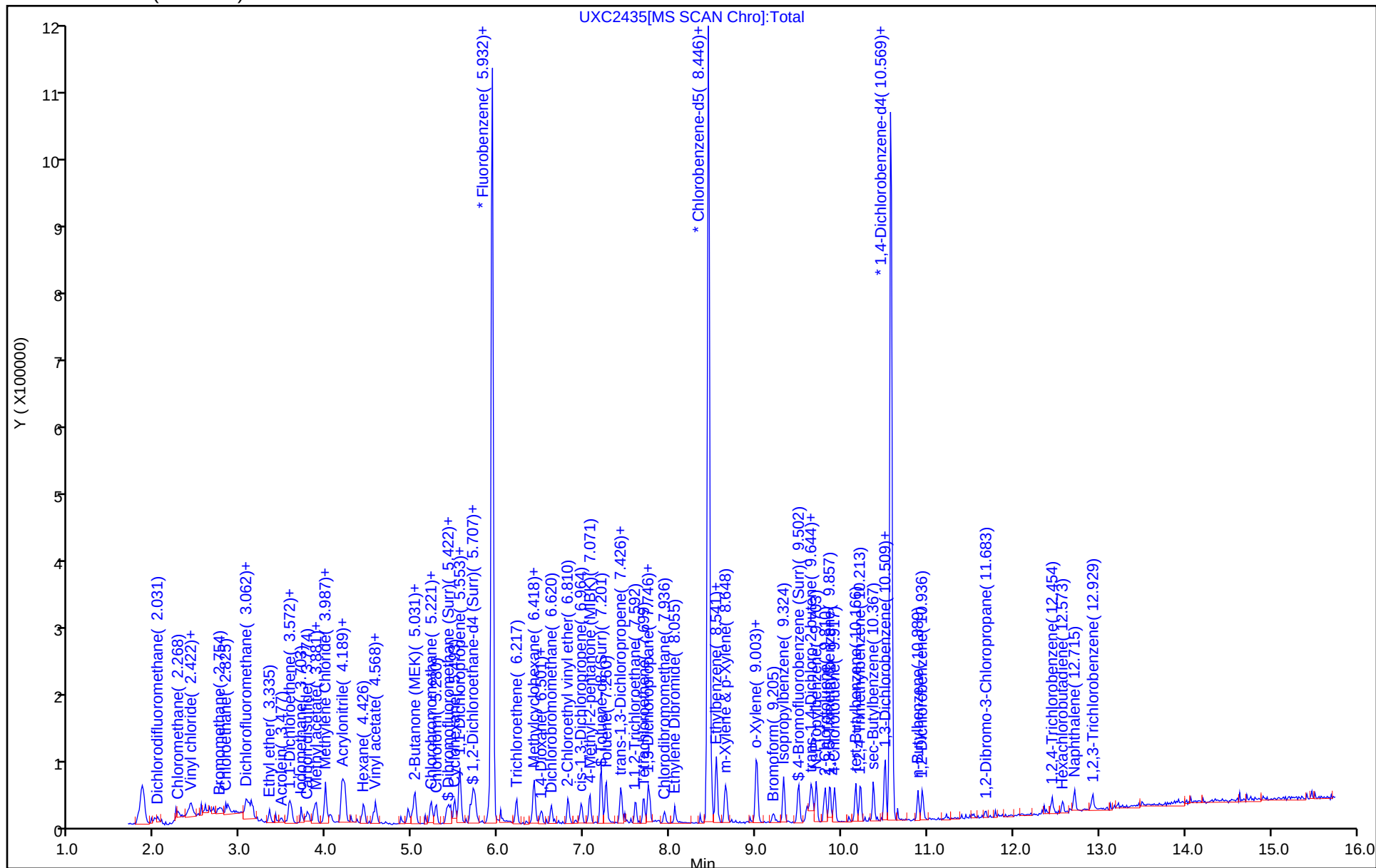
Dil. Factor: 1.0000

ALS Bottle#: 10

Method: 8260_15

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)



Eurofins Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2436.D
 Lims ID: std8260 L3
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 17-Jun-2022 16:16:30 ALS Bottle#: 11 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0119589-011
 Operator ID: 001904 Instrument ID: A3UX15
 Sublist: chrom-8260_15*sub79
 Method: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\8260_15.m
 Limit Group: MSV 8260C ICAL
 Last Update: 20-Jun-2022 10:42:17 Calib Date: 17-Jun-2022 22:33:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2452.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1625

First Level Reviewer: laveyt

Date: 20-Jun-2022 10:15:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.932	5.932	0.000	99	983573	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.446	8.446	0.000	87	709977	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.569	10.569	0.000	95	325636	20.0	20.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.398	5.399	-0.001	94	21268	2.00	1.86	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.671	5.671	0.000	99	27934	2.00	1.95	
\$ 6 Toluene-d8 (Surr)	98	7.201	7.201	0.000	94	93784	2.00	1.98	
\$ 7 4-Bromofluorobenzene (Surr)	95	9.502	9.502	0.000	89	33869	2.00	2.04	
9 Dichlorodifluoromethane	85	2.031	2.043	-0.012	99	17264	2.00	1.72	
10 Chloromethane	50	2.268	2.268	0.000	99	25555	2.00	1.97	
11 Vinyl chloride	62	2.386	2.387	-0.001	96	25146	2.00	1.90	
12 Butadiene	54	2.422	2.422	0.000	98	25005	2.00	1.87	
13 Bromomethane	94	2.754	2.754	0.000	92	19568	2.00	1.90	
14 Chloroethane	64	2.849	2.849	0.000	99	18014	2.00	1.87	
15 Dichlorofluoromethane	67	3.051	3.063	-0.013	96	38427	2.00	1.76	
16 Trichlorofluoromethane	101	3.086	3.074	0.012	95	28954	2.00	1.57	
17 Ethyl ether	59	3.335	3.335	0.000	89	19310	2.00	1.97	
18 Acrolein	56	3.466	3.466	0.000	97	9877	10.0	8.11	
19 1,1-Dichloroethene	96	3.560	3.561	-0.001	97	18690	2.00	1.90	
20 112TCTFE	151	3.572	3.572	0.000	90	11721	2.00	1.74	
21 Acetone	43	3.584	3.584	0.000	98	22402	4.00	4.06	
22 Iodomethane	142	3.703	3.703	0.000	98	30192	2.00	1.90	
24 Carbon disulfide	76	3.774	3.774	0.000	99	54214	2.00	1.88	
27 Methyl acetate	43	3.857	3.857	0.000	97	46169	4.00	3.83	
26 3-Chloro-1-propene	76	3.881	3.881	0.000	88	13903	2.00	1.75	
28 Methylene Chloride	84	3.987	3.988	-0.001	92	29288	2.00	2.05	
29 2-Methyl-2-propanol	59	4.035	4.047	-0.012	98	28092	20.0	20.8	
30 Acrylonitrile	53	4.177	4.177	0.000	99	95212	20.0	19.1	
31 Methyl tert-butyl ether	73	4.201	4.201	0.000	97	62130	2.00	1.87	
32 trans-1,2-Dichloroethene	96	4.213	4.213	0.000	97	24453	2.00	1.88	
34 Hexane	86	4.426	4.426	0.000	93	4517	2.00	1.51	
36 Vinyl acetate	43	4.545	4.545	0.000	97	38846	2.00	2.12	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 1,1-Dichloroethane	63	4.568	4.569	-0.001	96	39107	2.00	1.84	
40 2-Butanone (MEK)	72	4.995	4.995	0.000	99	8428	4.00	4.07	
41 cis-1,2-Dichloroethene	96	5.019	5.019	0.000	84	24915	2.00	1.89	
42 2,2-Dichloropropane	97	5.031	5.031	0.000	88	5642	2.00	2.01	
46 Chlorobromomethane	128	5.209	5.209	0.000	95	11477	2.00	1.80	
47 Tetrahydrofuran	42	5.221	5.221	0.000	85	19154	4.00	3.80	
48 Chloroform	83	5.268	5.268	0.000	92	38448	2.00	1.86	
49 1,1,1-Trichloroethane	97	5.434	5.434	0.000	98	32148	2.00	1.81	
50 Cyclohexane	56	5.493	5.494	-0.001	91	33245	2.00	1.84	
51 1,1-Dichloropropene	75	5.541	5.541	0.000	95	31533	2.00	1.80	
52 Carbon tetrachloride	117	5.553	5.553	0.000	90	29693	2.00	1.85	
53 Isobutyl alcohol	41	5.553	5.553	0.000	87	26767	50.0	49.3	
55 Benzene	78	5.707	5.707	0.000	97	91776	2.00	1.88	
56 1,2-Dichloroethane	62	5.731	5.743	-0.012	97	31257	2.00	1.90	
58 n-Heptane	100	5.897	5.885	0.012	86	4477	2.00	1.64	
60 Trichloroethene	130	6.217	6.217	0.000	96	25445	2.00	1.85	
62 Methylcyclohexane	83	6.406	6.407	-0.001	90	31606	2.00	1.80	
63 1,2-Dichloropropane	63	6.418	6.419	0.000	93	21960	2.00	1.92	
66 1,4-Dioxane	88	6.466	6.466	0.000	61	4580	40.0	39.5	
65 Dibromomethane	93	6.501	6.502	-0.001	93	13839	2.00	1.91	
67 Dichlorobromomethane	83	6.620	6.620	0.000	98	27670	2.00	1.82	
69 2-Chloroethyl vinyl ether	63	6.810	6.810	0.000	93	29955	4.00	3.50	
70 cis-1,3-Dichloropropene	75	6.964	6.964	0.000	94	34621	2.00	1.86	
71 4-Methyl-2-pentanone (MIBK)	43	7.059	7.071	-0.012	97	61757	4.00	4.03	
72 Toluene	91	7.260	7.260	0.000	98	99230	2.00	1.88	
73 trans-1,3-Dichloropropene	75	7.426	7.426	0.000	95	31172	2.00	1.80	
74 Ethyl methacrylate	69	7.426	7.438	-0.012	88	30180	2.00	1.81	
75 1,1,2-Trichloroethane	97	7.604	7.604	0.000	92	18463	2.00	1.82	
76 Tetrachloroethene	164	7.699	7.699	0.000	92	18472	2.00	1.80	
77 1,3-Dichloropropane	76	7.746	7.747	-0.001	94	33002	2.00	1.84	
78 2-Hexanone	43	7.746	7.759	-0.013	93	42918	4.00	3.75	
80 Chlorodibromomethane	129	7.936	7.936	0.000	90	20926	2.00	1.87	
82 Ethylene Dibromide	107	8.055	8.055	0.000	99	20664	2.00	1.88	
84 Chlorobenzene	112	8.470	8.482	-0.012	96	60738	2.00	1.87	
85 1,1,1,2-Tetrachloroethane	131	8.541	8.541	0.000	43	18714	2.00	1.77	
86 Ethylbenzene	106	8.541	8.541	0.000	98	31924	2.00	1.79	
87 m-Xylene & p-Xylene	91	8.648	8.648	0.000	93	75535	2.00	1.80	
88 o-Xylene	106	9.003	9.004	-0.001	96	37343	2.00	1.85	
89 Styrene	104	9.015	9.016	-0.001	93	62927	2.00	1.83	
90 Bromoform	173	9.205	9.205	0.000	92	13554	2.00	1.69	
91 Isopropylbenzene	105	9.324	9.324	0.000	96	91451	2.00	1.84	
94 1,1,2,2-Tetrachloroethane	83	9.596	9.597	-0.001	95	26311	2.00	2.05	
97 trans-1,4-Dichloro-2-butene	53	9.632	9.632	0.000	70	8803	2.00	1.89	
95 Bromobenzene	156	9.644	9.644	0.000	96	21947	2.00	1.80	
96 1,2,3-Trichloropropane	110	9.668	9.668	0.000	81	8515	2.00	1.88	
98 N-Propylbenzene	120	9.703	9.703	0.000	98	24277	2.00	1.83	
99 2-Chlorotoluene	126	9.810	9.810	0.000	98	21604	2.00	1.93	
101 1,3,5-Trimethylbenzene	105	9.857	9.857	0.000	94	69569	2.00	1.92	
102 4-Chlorotoluene	91	9.917	9.917	0.000	98	64946	2.00	1.89	
104 tert-Butylbenzene	119	10.166	10.166	0.000	93	60213	2.00	1.91	
106 1,2,4-Trimethylbenzene	105	10.213	10.213	0.000	96	67417	2.00	1.88	
107 sec-Butylbenzene	105	10.367	10.367	0.000	95	75893	2.00	1.84	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 1,3-Dichlorobenzene	146	10.509	10.510	-0.001	74	39153	2.00	1.88	
109 4-Isopropyltoluene	119	10.509	10.510	-0.001	97	65463	2.00	1.85	
110 1,4-Dichlorobenzene	146	10.593	10.593	-0.001	93	39461	2.00	1.85	
113 n-Butylbenzene	91	10.889	10.889	0.000	98	53959	2.00	1.92	
114 1,2-Dichlorobenzene	146	10.936	10.937	-0.001	98	35155	2.00	1.90	
115 1,2-Dibromo-3-Chloropropane	157	11.672	11.684	-0.012	79	6507	2.00	2.04	
117 1,2,4-Trichlorobenzene	180	12.454	12.454	0.000	93	15536	2.00	1.86	
118 Hexachlorobutadiene	225	12.573	12.573	0.000	91	7210	2.00	1.93	
119 Naphthalene	128	12.715	12.715	0.000	97	55454	2.00	1.87	
120 1,2,3-Trichlorobenzene	180	12.929	12.929	0.000	96	13020	2.00	1.79	
S 130 Total BTEX	1				0		10.0	9.20	
S 131 Trihalomethanes, Total	1				0		8.00	7.25	
S 127 1,2-Dichloroethene, Total	96				0			3.77	
S 128 1,3-Dichloropropene, Total	75				0			3.66	
S 129 Xylenes, Total	106				0		4.00	3.65	

QC Flag Legend

Processing Flags

Reagents:

vm50is_stk_A_00011	Amount Added: 2.00	Units: uL
vmrgas_00430	Amount Added: 1.60	Units: uL
vmarolistdw_00442	Amount Added: 1.60	Units: uL
vmrprimw_00486	Amount Added: 1.60	Units: uL
vm50ss_stk_00091	Amount Added: 1.60	Units: uL

Eurofins Canton

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2436.D

Injection Date: 17-Jun-2022 16:16:30

Instrument ID: A3UX15

Operator ID: 001904

Lims ID: std8260 L3

Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL

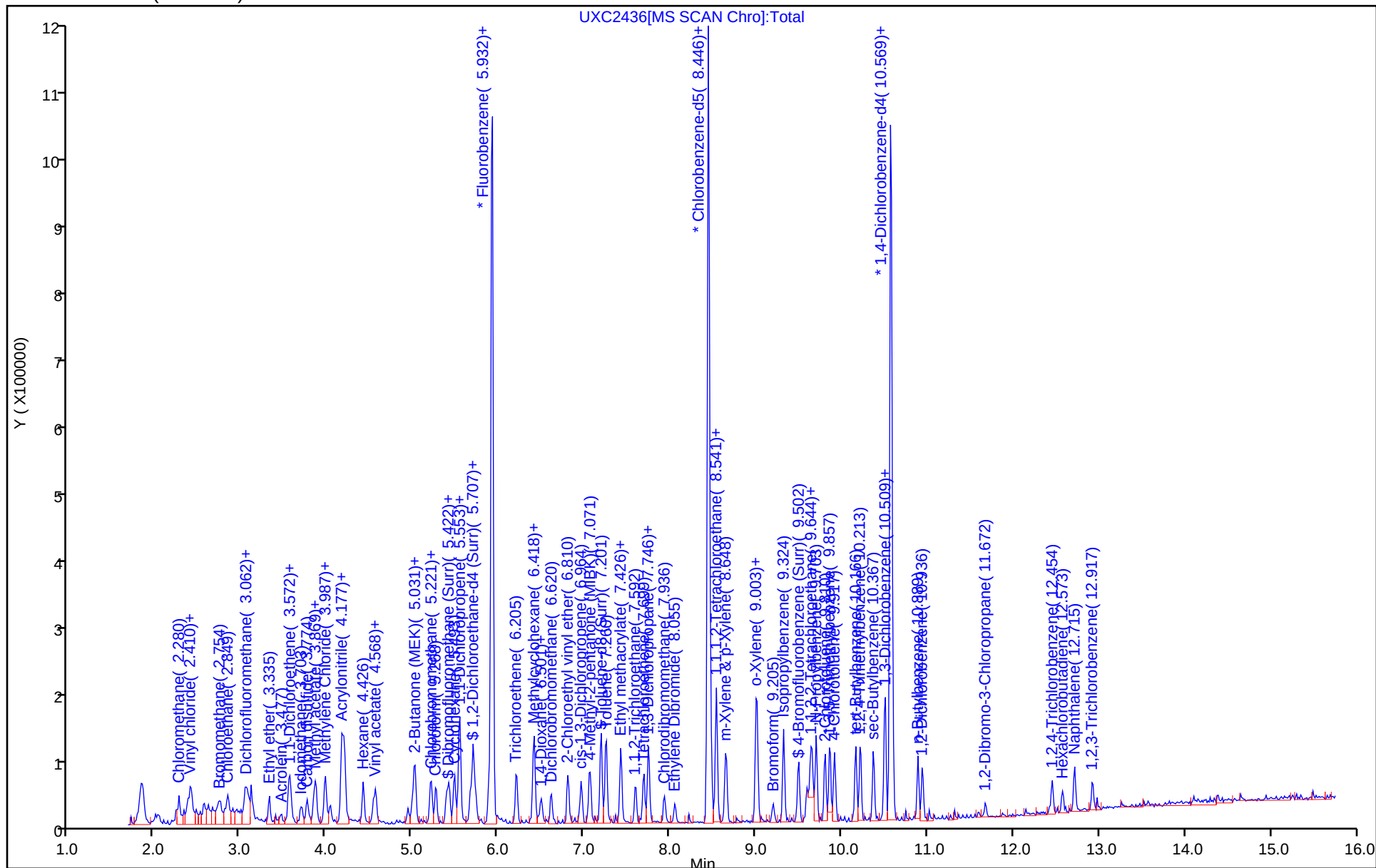
Dil. Factor: 1.0000

ALS Bottle#: 11

Method: 8260_15

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)



Eurofins Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2437.D
 Lims ID: std8260 L4
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 17-Jun-2022 16:40:30 ALS Bottle#: 12 Worklist Smp#: 12
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0119589-012
 Operator ID: 001904 Instrument ID: A3UX15
 Sublist: chrom-8260_15*sub79
 Method: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\8260_15.m
 Limit Group: MSV 8260C ICAL
 Last Update: 20-Jun-2022 10:42:24 Calib Date: 17-Jun-2022 22:33:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2452.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1625

First Level Reviewer: laveyt

Date: 20-Jun-2022 10:16:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.932	5.932	0.000	99	1018383	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.446	8.446	0.000	86	734404	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.569	10.569	0.000	95	344843	20.0	20.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.398	5.399	-0.001	94	116104	10.0	9.83	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.683	5.671	0.012	100	147856	10.0	9.98	
\$ 6 Toluene-d8 (Surr)	98	7.201	7.201	0.000	94	485341	10.0	9.89	
\$ 7 4-Bromofluorobenzene (Surr)	95	9.501	9.502	-0.001	93	160726	10.0	9.37	
9 Dichlorodifluoromethane	85	2.042	2.043	-0.001	99	113138	10.0	10.9	
10 Chloromethane	50	2.280	2.268	0.012	99	128847	10.0	9.61	
11 Vinyl chloride	62	2.386	2.387	-0.001	98	139965	10.0	10.2	
12 Butadiene	54	2.422	2.422	0.000	99	147637	10.0	10.7	
13 Bromomethane	94	2.754	2.754	0.000	91	99422	10.0	9.31	
14 Chloroethane	64	2.849	2.849	0.000	99	92399	10.0	9.28	
15 Dichlorofluoromethane	67	3.062	3.063	-0.001	98	215728	10.0	9.55	
16 Trichlorofluoromethane	101	3.086	3.074	0.012	97	193834	10.0	10.2	
17 Ethyl ether	59	3.335	3.335	0.000	89	97667	10.0	9.62	
18 Acrolein	56	3.477	3.466	0.011	99	59355	50.0	47.1	
19 1,1-Dichloroethene	96	3.572	3.561	0.011	98	99803	10.0	9.78	
20 112TCTFE	151	3.584	3.572	0.012	88	71946	10.0	10.3	
21 Acetone	43	3.596	3.584	0.012	100	79520	20.0	19.5	
22 Iodomethane	142	3.715	3.703	0.011	98	158829	10.0	9.66	
24 Carbon disulfide	76	3.774	3.774	0.000	100	290403	10.0	9.74	
27 Methyl acetate	43	3.857	3.857	0.000	98	234112	20.0	18.8	
26 3-Chloro-1-propene	76	3.881	3.881	0.000	89	79002	10.0	9.63	
28 Methylene Chloride	84	3.987	3.988	-0.001	93	115259	10.0	9.36	
29 2-Methyl-2-propanol	59	4.047	4.047	0.000	99	135196	100.0	96.5	
30 Acrylonitrile	53	4.177	4.177	0.000	99	516888	100.0	100.0	
31 Methyl tert-butyl ether	73	4.201	4.201	0.000	96	334213	10.0	9.70	
32 trans-1,2-Dichloroethene	96	4.213	4.213	0.000	99	122786	10.0	9.11	
34 Hexane	86	4.438	4.426	0.012	92	30567	10.0	9.86	
36 Vinyl acetate	43	4.545	4.545	0.000	97	184659	10.0	9.73	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 1,1-Dichloroethane	63	4.580	4.569	0.011	97	213233	10.0	9.69	
40 2-Butanone (MEK)	72	4.995	4.995	0.000	99	41840	20.0	19.5	
41 cis-1,2-Dichloroethene	96	5.031	5.019	0.012	82	133546	10.0	9.80	
42 2,2-Dichloropropane	97	5.031	5.031	0.000	91	29966	10.0	10.3	
46 Chlorobromomethane	128	5.221	5.209	0.012	94	62239	10.0	9.43	
47 Tetrahydrofuran	42	5.221	5.221	0.000	86	97966	20.0	18.8	
48 Chloroform	83	5.280	5.268	0.012	94	212951	10.0	9.95	
49 1,1,1-Trichloroethane	97	5.434	5.434	0.000	99	181620	10.0	9.86	
50 Cyclohexane	56	5.493	5.494	-0.001	89	190454	10.0	10.2	
51 1,1-Dichloropropene	75	5.541	5.541	0.000	96	179807	10.0	9.90	
52 Carbon tetrachloride	117	5.553	5.553	0.000	93	162025	10.0	9.72	
53 Isobutyl alcohol	41	5.553	5.553	0.000	94	141577	250.0	251.9	
55 Benzene	78	5.707	5.707	0.000	97	487470	10.0	9.65	
56 1,2-Dichloroethane	62	5.742	5.743	-0.001	97	166765	10.0	9.80	
58 n-Heptane	100	5.896	5.885	0.011	92	27724	10.0	9.84	
60 Trichloroethene	130	6.217	6.217	0.000	96	138694	10.0	9.75	
62 Methylcyclohexane	83	6.418	6.407	0.011	90	187995	10.0	10.3	
63 1,2-Dichloropropane	63	6.418	6.419	0.000	93	117071	10.0	9.89	
66 1,4-Dioxane	88	6.466	6.466	0.000	91	25423	200.0	212.0	
65 Dibromomethane	93	6.501	6.502	-0.001	95	72079	10.0	9.61	
67 Dichlorobromomethane	83	6.620	6.620	0.000	99	152773	10.0	9.73	
69 2-Chloroethyl vinyl ether	63	6.810	6.810	0.000	94	167992	20.0	18.9	
70 cis-1,3-Dichloropropene	75	6.964	6.964	0.000	94	185809	10.0	9.66	
71 4-Methyl-2-pentanone (MIBK)	43	7.070	7.071	-0.001	97	303058	20.0	19.1	
72 Toluene	91	7.260	7.260	0.000	98	531520	10.0	9.74	
73 trans-1,3-Dichloropropene	75	7.426	7.426	0.000	97	173518	10.0	9.67	
74 Ethyl methacrylate	69	7.438	7.438	0.000	88	165090	10.0	9.58	
75 1,1,2-Trichloroethane	97	7.604	7.604	0.000	92	102017	10.0	9.70	
76 Tetrachloroethene	164	7.699	7.699	0.000	97	102216	10.0	9.62	
77 1,3-Dichloropropane	76	7.746	7.747	-0.001	96	181814	10.0	9.81	
78 2-Hexanone	43	7.758	7.759	-0.001	96	228534	20.0	19.3	
80 Chlorodibromomethane	129	7.936	7.936	0.000	90	109094	10.0	9.42	
82 Ethylene Dibromide	107	8.055	8.055	0.000	99	108159	10.0	9.50	
84 Chlorobenzene	112	8.482	8.482	0.000	96	321494	10.0	9.59	
85 1,1,1,2-Tetrachloroethane	131	8.541	8.541	0.000	43	107694	10.0	9.85	
86 Ethylbenzene	106	8.541	8.541	0.000	98	182286	10.0	9.88	
87 m-Xylene & p-Xylene	91	8.648	8.648	0.000	93	431114	10.0	9.92	
88 o-Xylene	106	9.003	9.004	-0.001	95	207120	10.0	9.91	
89 Styrene	104	9.015	9.016	-0.001	94	352313	10.0	9.88	
90 Bromoform	173	9.205	9.205	0.000	96	75494	10.0	9.12	
91 Isopropylbenzene	105	9.324	9.324	0.000	96	503121	10.0	9.78	
94 1,1,2,2-Tetrachloroethane	83	9.596	9.597	-0.001	95	133929	10.0	9.87	
97 trans-1,4-Dichloro-2-butene	53	9.632	9.632	0.000	78	47716	10.0	9.69	
95 Bromobenzene	156	9.644	9.644	0.000	97	124062	10.0	9.60	
96 1,2,3-Trichloropropane	110	9.667	9.668	-0.001	81	47818	10.0	9.99	
98 N-Propylbenzene	120	9.703	9.703	0.000	99	138604	10.0	9.86	
99 2-Chlorotoluene	126	9.810	9.810	0.000	98	120614	10.0	10.2	
101 1,3,5-Trimethylbenzene	105	9.857	9.857	0.000	94	379710	10.0	9.91	
102 4-Chlorotoluene	91	9.917	9.917	-0.001	97	361576	10.0	9.92	
104 tert-Butylbenzene	119	10.166	10.166	0.000	92	332244	10.0	9.94	
106 1,2,4-Trimethylbenzene	105	10.213	10.213	0.000	95	388252	10.0	10.2	
107 sec-Butylbenzene	105	10.367	10.367	0.000	94	434766	10.0	9.93	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 1,3-Dichlorobenzene	146	10.509	10.510	-0.001	74	209992	10.0	9.52	
109 4-Isopropyltoluene	119	10.509	10.510	-0.001	97	371365	10.0	9.90	
110 1,4-Dichlorobenzene	146	10.592	10.593	-0.001	96	220650	10.0	9.77	
113 n-Butylbenzene	91	10.889	10.889	0.000	97	297201	10.0	9.96	
114 1,2-Dichlorobenzene	146	10.948	10.937	0.011	97	186743	10.0	9.54	
115 1,2-Dibromo-3-Chloropropane	157	11.683	11.684	-0.001	93	30617	10.0	9.05	
117 1,2,4-Trichlorobenzene	180	12.454	12.454	0.000	95	80386	10.0	9.11	
118 Hexachlorobutadiene	225	12.573	12.573	0.000	97	34852	10.0	8.81	
119 Naphthalene	128	12.715	12.715	0.000	97	290752	10.0	9.27	
120 1,2,3-Trichlorobenzene	180	12.929	12.929	0.000	95	68792	10.0	8.94	
S 130 Total BTEX	1				0		50.0	49.1	
S 131 Trihalomethanes, Total	1				0		40.0	38.2	
S 127 1,2-Dichloroethene, Total	96				0			18.9	
S 128 1,3-Dichloropropene, Total	75				0			19.3	
S 129 Xylenes, Total	106				0		20.0	19.8	

QC Flag Legend

Processing Flags

Reagents:

vm50is_stk_A_00011	Amount Added: 2.00	Units: uL
vmrgas_00430	Amount Added: 8.00	Units: uL
vmarolistdw_00442	Amount Added: 8.00	Units: uL
vmrprimw_00486	Amount Added: 8.00	Units: uL
vm50ss_stk_00091	Amount Added: 8.00	Units: uL

Eurofins Canton

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2437.D

Injection Date: 17-Jun-2022 16:40:30

Instrument ID: A3UX15

Lims ID: std8260 L4

Client ID:

Operator ID: 001904

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

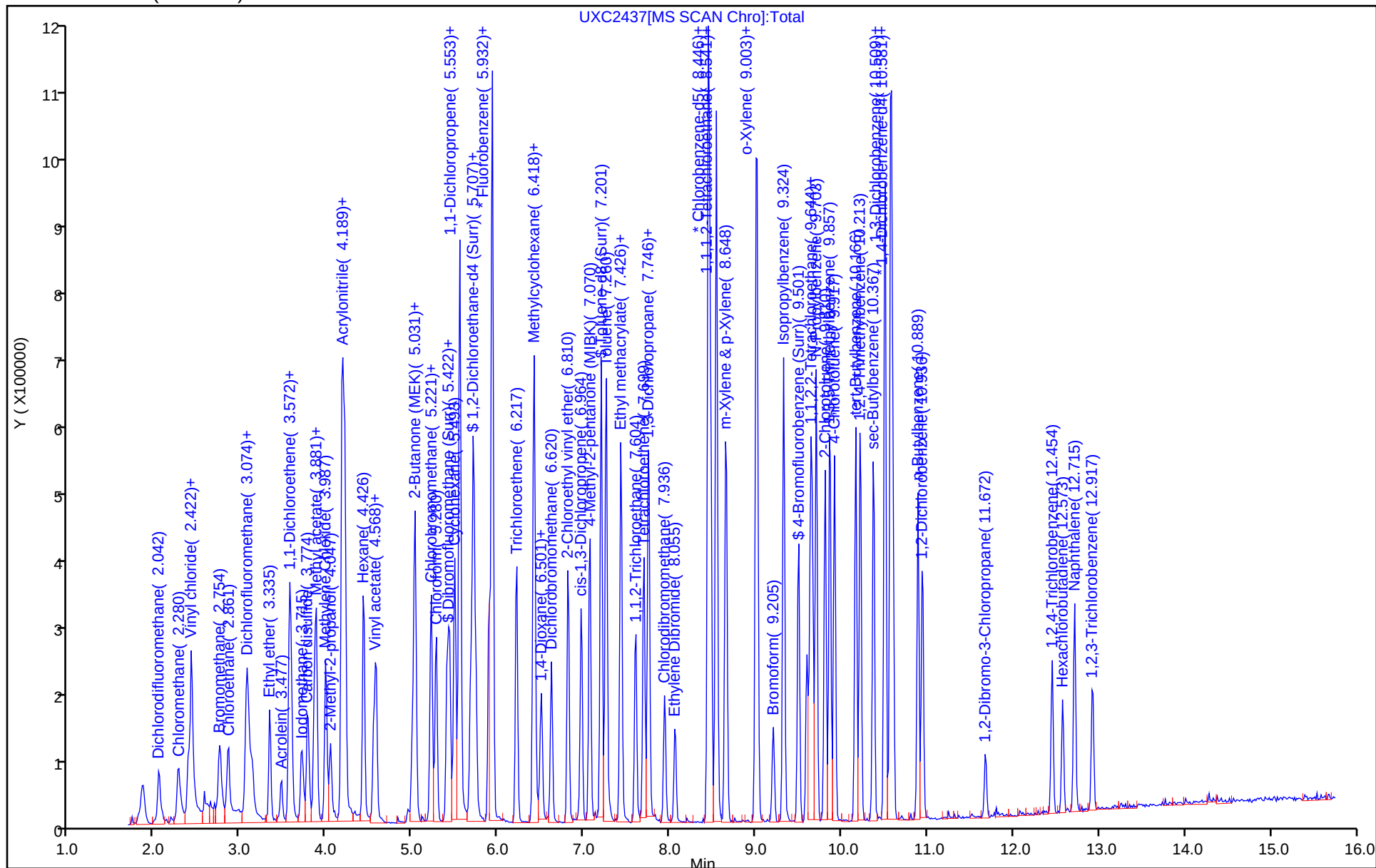
Worklist Smp#: 12

Method: 8260_15

Limit Group: MSV 8260C ICAL

ALS Bottle#: 12

Column: DB-624 (0.18 mm)



Eurofins Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2438.D
 Lims ID: ICIS L5
 Client ID:
 Sample Type: ICIS Calib Level: 5
 Inject. Date: 17-Jun-2022 17:03:30 ALS Bottle#: 13 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0119589-013
 Operator ID: 001904 Instrument ID: A3UX15
 Sublist: chrom-8260_15*sub79
 Method: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\8260_15.m
 Limit Group: MSV 8260C ICAL
 Last Update: 20-Jun-2022 10:42:31 Calib Date: 17-Jun-2022 22:33:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2452.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1625

First Level Reviewer: laveyt

Date: 20-Jun-2022 10:17:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.932	5.932	0.000	99	1012688	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.446	8.446	0.000	86	738465	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.581	10.581	0.000	94	356681	20.0	20.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.399	5.399	0.000	95	237992	20.0	20.3	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.671	5.671	0.000	100	288806	20.0	19.6	
\$ 6 Toluene-d8 (Surr)	98	7.201	7.201	0.000	93	955096	20.0	19.3	
\$ 7 4-Bromofluorobenzene (Surr)	95	9.502	9.502	0.000	94	319069	20.0	18.5	
9 Dichlorodifluoromethane	85	2.043	2.043	0.000	99	223381	20.0	21.7	
10 Chloromethane	50	2.268	2.268	0.000	99	265946	20.0	20.0	
11 Vinyl chloride	62	2.387	2.387	0.000	98	283598	20.0	20.8	
12 Butadiene	54	2.422	2.422	0.000	98	280044	20.0	20.4	
13 Bromomethane	94	2.754	2.754	0.000	91	200828	20.0	18.9	
14 Chloroethane	64	2.849	2.849	0.000	99	199600	20.0	20.2	
15 Dichlorofluoromethane	67	3.063	3.063	0.000	98	445874	20.0	19.9	
16 Trichlorofluoromethane	101	3.074	3.074	0.000	98	400989	20.0	21.2	
17 Ethyl ether	59	3.335	3.335	0.000	90	205920	20.0	20.4	
18 Acrolein	56	3.466	3.466	0.000	99	120164	100.0	95.8	
19 1,1-Dichloroethene	96	3.561	3.561	0.000	98	204533	20.0	20.2	
20 112TCTFE	151	3.572	3.572	0.000	92	154250	20.0	22.2	
21 Acetone	43	3.584	3.584	0.000	99	155316	40.0	40.6	
22 Iodomethane	142	3.703	3.703	0.000	98	331155	20.0	20.2	
24 Carbon disulfide	76	3.774	3.774	0.000	100	616229	20.0	20.8	
27 Methyl acetate	43	3.857	3.857	0.000	97	485696	40.0	39.1	
26 3-Chloro-1-propene	76	3.881	3.881	0.000	89	169341	20.0	20.8	
28 Methylene Chloride	84	3.988	3.988	0.000	93	236920	20.0	19.9	
29 2-Methyl-2-propanol	59	4.047	4.047	0.000	99	287678	200.0	206.5	
30 Acrylonitrile	53	4.177	4.177	0.000	100	1034001	200.0	201.1	
31 Methyl tert-butyl ether	73	4.201	4.201	0.000	95	692866	20.0	20.2	
32 trans-1,2-Dichloroethene	96	4.213	4.213	0.000	98	258710	20.0	19.3	
34 Hexane	86	4.426	4.426	0.000	93	65758	20.0	21.3	
36 Vinyl acetate	43	4.545	4.545	0.000	97	360362	20.0	19.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 1,1-Dichloroethane	63	4.569	4.569	0.000	96	453363	20.0	20.7	
40 2-Butanone (MEK)	72	4.995	4.995	0.000	99	82020	40.0	38.4	
41 cis-1,2-Dichloroethene	96	5.019	5.019	0.000	82	271993	20.0	20.1	
42 2,2-Dichloropropane	97	5.031	5.031	0.000	90	59221	20.0	20.5	
46 Chlorobromomethane	128	5.209	5.209	0.000	94	134983	20.0	20.6	
47 Tetrahydrofuran	42	5.221	5.221	0.000	88	204255	40.0	39.3	
48 Chloroform	83	5.268	5.268	0.000	94	436883	20.0	20.5	
49 1,1,1-Trichloroethane	97	5.434	5.434	0.000	98	385873	20.0	21.1	
50 Cyclohexane	56	5.494	5.494	0.000	88	397001	20.0	21.4	
51 1,1-Dichloropropene	75	5.541	5.541	0.000	97	371872	20.0	20.6	
52 Carbon tetrachloride	117	5.553	5.553	0.000	94	344794	20.0	20.8	
53 Isobutyl alcohol	41	5.553	5.553	0.000	95	290321	500.0	519.5	
55 Benzene	78	5.707	5.707	0.000	97	1029956	20.0	20.5	
56 1,2-Dichloroethane	62	5.743	5.743	0.000	97	343869	20.0	20.3	
58 n-Heptane	100	5.885	5.885	0.000	91	60060	20.0	21.4	
60 Trichloroethene	130	6.217	6.217	0.000	96	290440	20.0	20.5	
62 Methylcyclohexane	83	6.407	6.407	0.000	91	397919	20.0	22.0	
63 1,2-Dichloropropane	63	6.419	6.419	0.000	92	238586	20.0	20.3	
66 1,4-Dioxane	88	6.466	6.466	0.000	90	57084	400.0	478.6	
65 Dibromomethane	93	6.502	6.502	0.000	95	148559	20.0	19.9	
67 Dichlorobromomethane	83	6.620	6.620	0.000	98	309938	20.0	19.9	
69 2-Chloroethyl vinyl ether	63	6.810	6.810	0.000	93	359835	40.0	40.8	
70 cis-1,3-Dichloropropene	75	6.964	6.964	0.000	94	397639	20.0	20.8	
71 4-Methyl-2-pentanone (MIBK)	43	7.071	7.071	0.000	96	639948	40.0	40.5	
72 Toluene	91	7.260	7.260	0.000	98	1103663	20.0	20.1	
73 trans-1,3-Dichloropropene	75	7.426	7.426	0.000	97	364060	20.0	20.2	
74 Ethyl methacrylate	69	7.438	7.438	0.000	88	348746	20.0	20.1	
75 1,1,2-Trichloroethane	97	7.604	7.604	0.000	91	211549	20.0	20.0	
76 Tetrachloroethene	164	7.699	7.699	0.000	97	216167	20.0	20.2	
77 1,3-Dichloropropane	76	7.747	7.747	0.000	97	382799	20.0	20.5	
78 2-Hexanone	43	7.759	7.759	0.000	95	484323	40.0	40.7	
80 Chlorodibromomethane	129	7.936	7.936	0.000	90	236533	20.0	20.3	
82 Ethylene Dibromide	107	8.055	8.055	0.000	98	233386	20.0	20.4	
84 Chlorobenzene	112	8.482	8.482	0.000	96	684852	20.0	20.3	
85 1,1,1,2-Tetrachloroethane	131	8.541	8.541	0.000	43	232496	20.0	21.1	
86 Ethylbenzene	106	8.541	8.541	0.000	98	380291	20.0	20.5	
87 m-Xylene & p-Xylene	91	8.648	8.648	0.000	93	921861	20.0	21.1	
88 o-Xylene	106	9.004	9.004	0.000	96	427485	20.0	20.3	
89 Styrene	104	9.016	9.016	0.000	94	735676	20.0	20.5	
90 Bromoform	173	9.205	9.205	0.000	97	167063	20.0	20.1	
91 Isopropylbenzene	105	9.324	9.324	0.000	95	1075642	20.0	20.8	
94 1,1,2,2-Tetrachloroethane	83	9.597	9.597	0.000	95	275454	20.0	19.6	
97 trans-1,4-Dichloro-2-butene	53	9.632	9.632	0.000	80	101745	20.0	20.0	
95 Bromobenzene	156	9.644	9.644	0.000	95	268818	20.0	20.1	
96 1,2,3-Trichloropropane	110	9.668	9.668	0.000	81	98585	20.0	19.9	
98 N-Propylbenzene	120	9.703	9.703	0.000	98	303517	20.0	20.9	
99 2-Chlorotoluene	126	9.810	9.810	0.000	98	251383	20.0	20.5	
101 1,3,5-Trimethylbenzene	105	9.857	9.857	0.000	94	810064	20.0	20.4	
102 4-Chlorotoluene	91	9.917	9.917	0.000	97	761327	20.0	20.2	
104 tert-Butylbenzene	119	10.166	10.166	0.000	93	699451	20.0	20.2	
106 1,2,4-Trimethylbenzene	105	10.213	10.213	0.000	95	815391	20.0	20.7	
107 sec-Butylbenzene	105	10.367	10.367	0.000	94	940683	20.0	20.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 1,3-Dichlorobenzene	146	10.510	10.510	0.000	74	458958	20.0	20.1	
109 4-Isopropyltoluene	119	10.510	10.510	0.000	97	797356	20.0	20.6	
110 1,4-Dichlorobenzene	146	10.593	10.593	0.000	95	466006	20.0	20.0	
113 n-Butylbenzene	91	10.889	10.889	0.000	97	642704	20.0	20.8	
114 1,2-Dichlorobenzene	146	10.937	10.937	0.000	98	402749	20.0	19.9	
115 1,2-Dibromo-3-Chloropropane	157	11.684	11.684	0.000	95	66608	20.0	19.0	
117 1,2,4-Trichlorobenzene	180	12.454	12.454	0.000	94	175914	20.0	19.3	
118 Hexachlorobutadiene	225	12.573	12.573	0.000	96	81793	20.0	20.0	
119 Naphthalene	128	12.715	12.715	0.000	97	635081	20.0	19.6	
120 1,2,3-Trichlorobenzene	180	12.929	12.929	0.000	96	152551	20.0	19.2	
S 130 Total BTEX	1				0		100.0	102.6	
S 131 Trihalomethanes, Total	1				0		80.0	80.7	
S 129 Xylenes, Total	106				0		40.0	41.5	

QC Flag Legend

Processing Flags

Reagents:

vm50is_stk_A_00011	Amount Added: 2.00	Units: uL
vmrgas_00430	Amount Added: 16.00	Units: uL
vmarolistdw_00442	Amount Added: 16.00	Units: uL
vmrprimw_00486	Amount Added: 16.00	Units: uL
vm50ss_stk_00091	Amount Added: 16.00	Units: uL

Eurofins Canton

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2438.D

Injection Date: 17-Jun-2022 17:03:30

Instrument ID: A3UX15

Operator ID: 001904

Lims ID: ICIS L5

Worklist Smp#: 13

Client ID:

Purge Vol: 5.000 mL

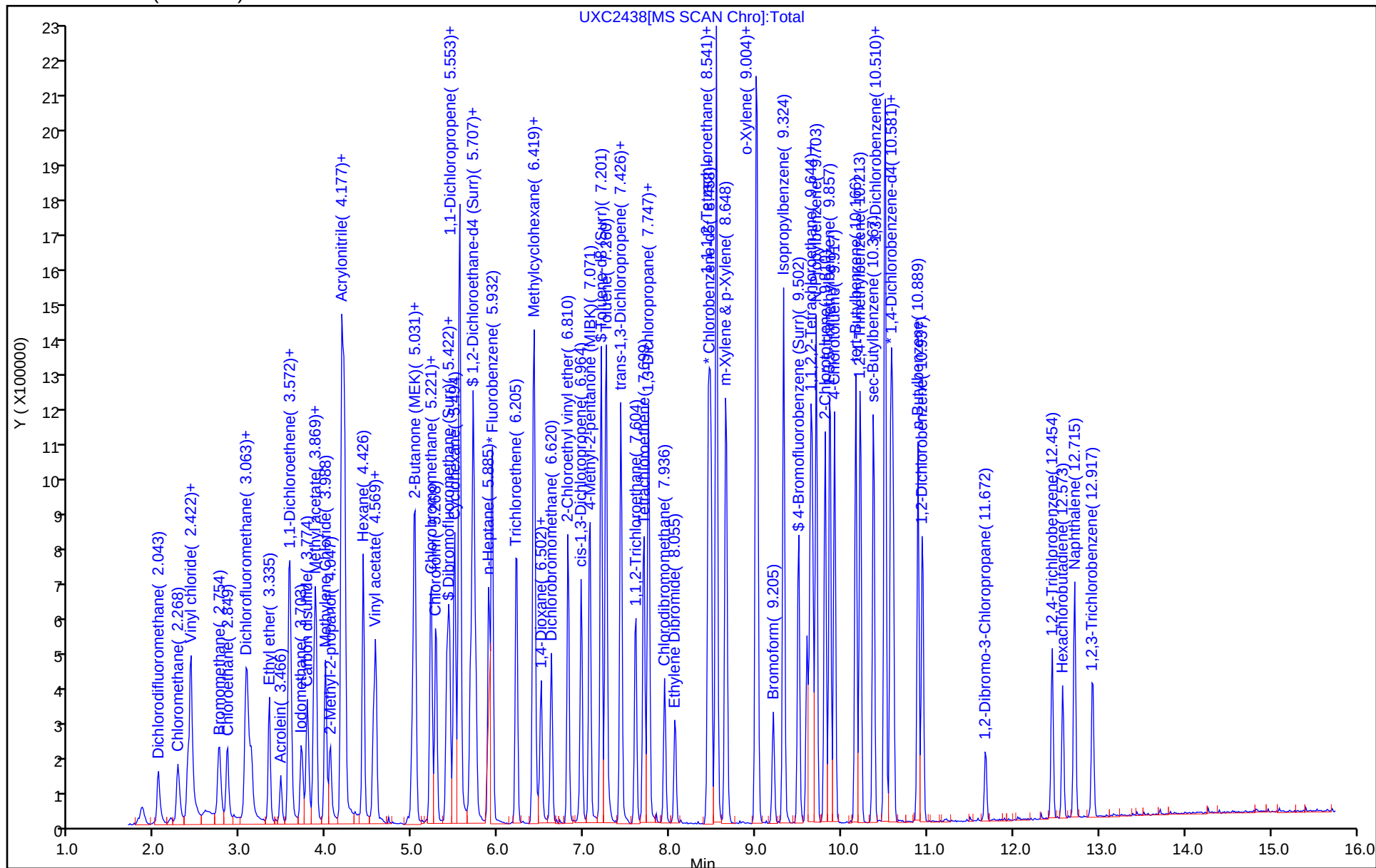
Dil. Factor: 1.0000

ALS Bottle#: 13

Method: 8260_15

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)



Eurofins Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2439.D
 Lims ID: std8260 L6
 Client ID:
 Sample Type: IC Calib Level: 6
 Inject. Date: 17-Jun-2022 17:27:30 ALS Bottle#: 14 Worklist Smp#: 14
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0119589-014
 Operator ID: 001904 Instrument ID: A3UX15
 Sublist: chrom-8260_15*sub79
 Method: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\8260_15.m
 Limit Group: MSV 8260C ICAL
 Last Update: 20-Jun-2022 10:42:37 Calib Date: 17-Jun-2022 22:33:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2452.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1625

First Level Reviewer: laveyt

Date: 20-Jun-2022 10:19:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.932	5.932	0.000	99	1043186	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.446	8.446	0.000	85	761019	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.569	10.581	-0.012	93	372985	20.0	20.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.398	5.399	-0.001	96	485243	40.0	40.1	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.683	5.671	0.012	100	582686	40.0	38.4	
\$ 6 Toluene-d8 (Surr)	98	7.201	7.201	0.000	93	1928415	40.0	37.9	
\$ 7 4-Bromofluorobenzene (Surr)	95	9.502	9.502	0.000	95	641482	40.0	36.1	
9 Dichlorodifluoromethane	85	2.054	2.043	0.011	99	453615	40.0	42.7	
10 Chloromethane	50	2.280	2.268	0.012	99	534919	40.0	39.0	
11 Vinyl chloride	62	2.398	2.387	0.011	98	570013	40.0	40.5	
12 Butadiene	54	2.434	2.422	0.012	99	592884	40.0	41.8	
13 Bromomethane	94	2.754	2.754	0.000	91	440987	40.0	40.3	
14 Chloroethane	64	2.849	2.849	0.000	100	425410	40.0	41.7	
15 Dichlorofluoromethane	67	3.062	3.063	-0.001	98	936344	40.0	40.5	
16 Trichlorofluoromethane	101	3.086	3.074	0.012	98	840526	40.0	43.1	
17 Ethyl ether	59	3.335	3.335	0.000	91	429157	40.0	41.3	
18 Acrolein	56	3.477	3.466	0.011	99	270910	200.0	209.7	
19 1,1-Dichloroethene	96	3.572	3.561	0.011	98	429138	40.0	41.0	
20 112TCTFE	151	3.584	3.572	0.012	92	314652	40.0	43.9	
21 Acetone	43	3.596	3.584	0.012	99	337102	80.0	88.0	
22 Iodomethane	142	3.715	3.703	0.012	99	702513	40.0	41.7	
24 Carbon disulfide	76	3.786	3.774	0.012	100	1237122	40.0	40.5	
27 Methyl acetate	43	3.857	3.857	0.000	97	1021039	80.0	79.9	
26 3-Chloro-1-propene	76	3.881	3.881	0.000	89	369196	40.0	43.9	
28 Methylene Chloride	84	3.987	3.988	-0.001	92	476304	40.0	39.4	
29 2-Methyl-2-propanol	59	4.047	4.047	0.000	99	608071	400.0	423.8	
30 Acrylonitrile	53	4.177	4.177	0.000	99	2260362	400.0	426.7	
31 Methyl tert-butyl ether	73	4.201	4.201	0.000	95	1478358	40.0	41.9	
32 trans-1,2-Dichloroethene	96	4.213	4.213	0.000	99	546484	40.0	39.6	
34 Hexane	86	4.438	4.426	0.012	91	137164	40.0	43.2	
36 Vinyl acetate	43	4.545	4.545	0.000	97	725595	40.0	37.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 1,1-Dichloroethane	63	4.580	4.569	0.011	96	942579	40.0	41.8	
40 2-Butanone (MEK)	72	4.995	4.995	0.000	100	176344	80.0	80.2	
41 cis-1,2-Dichloroethene	96	5.031	5.019	0.012	82	578355	40.0	41.4	
42 2,2-Dichloropropane	97	5.031	5.031	0.000	90	120330	40.0	40.4	
46 Chlorobromomethane	128	5.221	5.209	0.012	94	279669	40.0	41.4	
47 Tetrahydrofuran	42	5.221	5.221	0.000	86	425733	80.0	79.6	
48 Chloroform	83	5.280	5.268	0.012	94	908789	40.0	41.4	
49 1,1,1-Trichloroethane	97	5.434	5.434	0.000	98	791150	40.0	41.9	
50 Cyclohexane	56	5.493	5.494	-0.001	89	809663	40.0	42.3	
51 1,1-Dichloropropene	75	5.553	5.541	0.012	95	771820	40.0	41.5	
52 Carbon tetrachloride	117	5.553	5.553	0.000	92	729843	40.0	42.8	
53 Isobutyl alcohol	41	5.553	5.553	0.000	93	612045	1000.0	1063.3	
55 Benzene	78	5.707	5.707	0.000	97	2133564	40.0	41.2	
56 1,2-Dichloroethane	62	5.742	5.743	-0.001	97	724985	40.0	41.6	
58 n-Heptane	100	5.897	5.885	0.012	90	119862	40.0	41.5	
60 Trichloroethene	130	6.217	6.217	0.000	97	610167	40.0	41.9	
62 Methylcyclohexane	83	6.406	6.407	-0.001	91	823818	40.0	44.2	
63 1,2-Dichloropropane	63	6.430	6.419	0.012	93	497980	40.0	41.1	
66 1,4-Dioxane	88	6.466	6.466	0.000	93	111706	800.0	909.1	
65 Dibromomethane	93	6.501	6.502	-0.001	94	315762	40.0	41.1	
67 Dichlorobromomethane	83	6.620	6.620	0.000	99	676926	40.0	42.1	
69 2-Chloroethyl vinyl ether	63	6.810	6.810	0.000	93	739838	80.0	81.5	
70 cis-1,3-Dichloropropene	75	6.964	6.964	0.000	95	828704	40.0	42.1	
71 4-Methyl-2-pentanone (MIBK)	43	7.071	7.071	0.000	96	1319050	80.0	81.1	
72 Toluene	91	7.260	7.260	0.000	98	2304583	40.0	40.8	
73 trans-1,3-Dichloropropene	75	7.426	7.426	0.000	96	771085	40.0	41.5	
74 Ethyl methacrylate	69	7.438	7.438	0.000	88	737007	40.0	41.3	
75 1,1,2-Trichloroethane	97	7.604	7.604	0.000	91	442501	40.0	40.6	
76 Tetrachloroethene	164	7.699	7.699	0.000	98	463299	40.0	42.1	
77 1,3-Dichloropropane	76	7.746	7.747	-0.001	96	780994	40.0	40.7	
78 2-Hexanone	43	7.758	7.759	-0.001	95	1004633	80.0	81.8	
80 Chlorodibromomethane	129	7.936	7.936	0.000	90	505764	40.0	42.1	
82 Ethylene Dibromide	107	8.055	8.055	0.000	98	480096	40.0	40.7	
84 Chlorobenzene	112	8.482	8.482	0.000	96	1417194	40.0	40.8	
85 1,1,1,2-Tetrachloroethane	131	8.541	8.541	0.000	43	478955	40.0	42.3	
86 Ethylbenzene	106	8.541	8.541	0.000	98	794837	40.0	41.6	
87 m-Xylene & p-Xylene	91	8.648	8.648	0.000	93	1866722	40.0	41.5	
88 o-Xylene	106	9.003	9.004	-0.001	96	894396	40.0	41.3	
89 Styrene	104	9.015	9.016	-0.001	93	1549340	40.0	41.9	
90 Bromoform	173	9.205	9.205	0.000	98	377545	40.0	44.0	
91 Isopropylbenzene	105	9.324	9.324	0.000	96	2261062	40.0	42.4	
94 1,1,2,2-Tetrachloroethane	83	9.596	9.597	-0.001	95	567058	40.0	38.6	
97 trans-1,4-Dichloro-2-butene	53	9.632	9.632	0.000	85	211826	40.0	39.8	
95 Bromobenzene	156	9.644	9.644	0.000	95	575514	40.0	41.2	
96 1,2,3-Trichloropropane	110	9.668	9.668	0.000	83	211239	40.0	40.8	
98 N-Propylbenzene	120	9.703	9.703	0.000	98	621193	40.0	40.8	
99 2-Chlorotoluene	126	9.810	9.810	0.000	98	522903	40.0	40.8	
101 1,3,5-Trimethylbenzene	105	9.857	9.857	0.000	94	1687446	40.0	40.7	
102 4-Chlorotoluene	91	9.917	9.917	0.000	97	1587974	40.0	40.3	
104 tert-Butylbenzene	119	10.166	10.166	0.000	91	1466415	40.0	40.6	
106 1,2,4-Trimethylbenzene	105	10.213	10.213	0.000	95	1682362	40.0	40.9	
107 sec-Butylbenzene	105	10.367	10.367	0.000	93	1959143	40.0	41.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 1,3-Dichlorobenzene	146	10.509	10.510	-0.001	77	984064	40.0	41.2	
109 4-Isopropyltoluene	119	10.509	10.510	-0.001	97	1682163	40.0	41.5	
110 1,4-Dichlorobenzene	146	10.593	10.593	-0.001	96	989807	40.0	40.5	
113 n-Butylbenzene	91	10.889	10.889	0.000	97	1325322	40.0	41.1	
114 1,2-Dichlorobenzene	146	10.948	10.937	0.011	99	856049	40.0	40.4	
115 1,2-Dibromo-3-Chloropropane	157	11.683	11.684	-0.001	90	144362	40.0	39.5	
117 1,2,4-Trichlorobenzene	180	12.454	12.454	0.000	94	381232	40.0	39.9	
118 Hexachlorobutadiene	225	12.573	12.573	0.000	97	171222	40.0	40.0	
119 Naphthalene	128	12.715	12.715	0.000	96	1357932	40.0	40.0	
120 1,2,3-Trichlorobenzene	180	12.929	12.929	0.000	96	340823	40.0	40.9	
S 130 Total BTEX	1				0		200.0	206.3	
S 131 Trihalomethanes, Total	1				0		160.0	169.7	
S 127 1,2-Dichloroethene, Total	96				0			81.0	
S 128 1,3-Dichloropropene, Total	75				0			83.5	
S 129 Xylenes, Total	106				0		80.0	82.8	

QC Flag Legend

Processing Flags

Reagents:

vm50is_stk_A_00011

Amount Added: 2.00

Units: uL

vmrgas_00430

Amount Added: 32.00

Units: uL

vmarolistdw_00442

Amount Added: 32.00

Units: uL

vmrprimw_00486

Amount Added: 32.00

Units: uL

vm50ss_stk_00091

Amount Added: 32.00

Units: uL

Eurofins Canton

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2439.D

Injection Date: 17-Jun-2022 17:27:30

Instrument ID: A3UX15

Operator ID: 001904

Lims ID: std8260 L6

Worklist Smp#: 14

Client ID:

Purge Vol: 5.000 mL

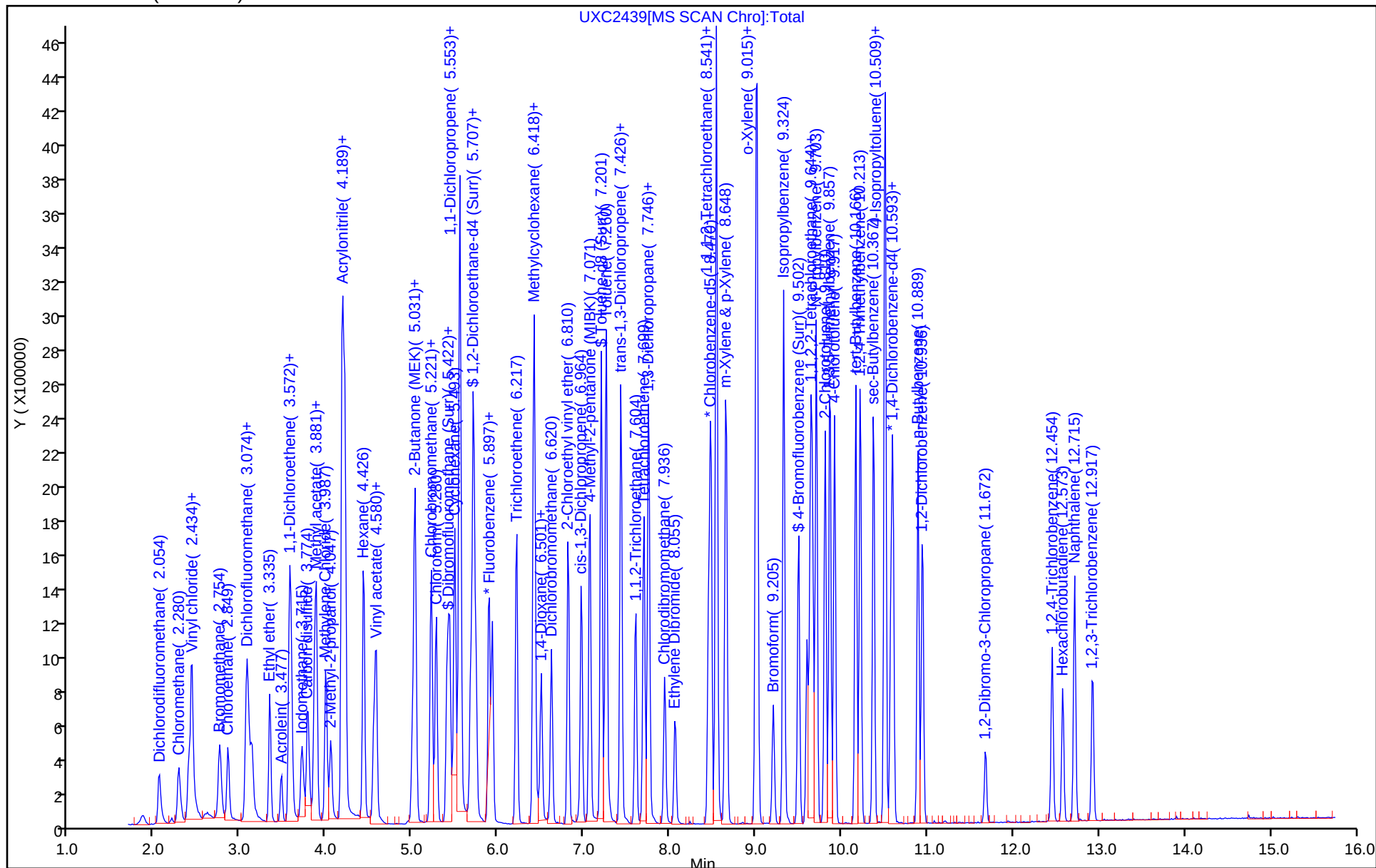
Dil. Factor: 1.0000

ALS Bottle#: 14

Method: 8260_15

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)



Eurofins Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2440.D
 Lims ID: std8260 L7
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 17-Jun-2022 17:50:30 ALS Bottle#: 15 Worklist Smp#: 15
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0119589-015
 Operator ID: 001904 Instrument ID: A3UX15
 Sublist: chrom-8260_15*sub79
 Method: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\8260_15.m
 Limit Group: MSV 8260C ICAL
 Last Update: 20-Jun-2022 10:42:44 Calib Date: 17-Jun-2022 22:33:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2452.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1625

First Level Reviewer: laveyt

Date: 20-Jun-2022 10:20:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.932	5.932	0.000	99	1027981	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.446	8.446	0.000	86	737310	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.581	10.581	0.000	93	359177	20.0	20.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.399	5.399	-0.001	96	771286	60.0	64.7	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.683	5.671	0.012	100	914521	60.0	61.1	
\$ 6 Toluene-d8 (Surr)	98	7.201	7.201	0.000	93	3096581	60.0	62.8	
\$ 7 4-Bromofluorobenzene (Surr)	95	9.502	9.502	0.000	96	1018070	60.0	59.1	
9 Dichlorodifluoromethane	85	2.043	2.043	0.000	99	705164	60.0	67.4	
10 Chloromethane	50	2.268	2.268	0.000	99	788614	60.0	58.3	
11 Vinyl chloride	62	2.386	2.387	-0.001	98	851899	60.0	61.5	
12 Butadiene	54	2.422	2.422	0.000	99	858895	60.0	61.5	
13 Bromomethane	94	2.742	2.754	-0.012	91	693208	60.0	64.3	
14 Chloroethane	64	2.849	2.849	0.000	100	666030	60.0	66.2	
15 Dichlorofluoromethane	67	3.062	3.063	-0.001	98	1448227	60.0	63.5	
16 Trichlorofluoromethane	101	3.074	3.074	0.000	99	1302923	60.0	67.8	
17 Ethyl ether	59	3.335	3.335	0.000	90	660508	60.0	64.5	
18 Acrolein	56	3.466	3.466	0.000	99	431181	300.0	338.7	
19 1,1-Dichloroethene	96	3.560	3.561	-0.001	98	642239	60.0	62.3	
20 112TCTFE	151	3.572	3.572	0.000	93	482581	60.0	68.3	
21 Acetone	43	3.584	3.584	0.000	100	482818	120.0	129.0	
22 Iodomethane	142	3.703	3.703	0.000	98	1057764	60.0	63.7	
24 Carbon disulfide	76	3.774	3.774	0.000	100	1884836	60.0	62.7	
27 Methyl acetate	43	3.857	3.857	0.000	97	1538110	120.0	122.1	
26 3-Chloro-1-propene	76	3.881	3.881	0.000	90	549987	60.0	66.4	
28 Methylene Chloride	84	3.987	3.988	-0.001	92	724468	60.0	61.2	
29 2-Methyl-2-propanol	59	4.047	4.047	0.000	99	877113	600.0	620.3	
30 Acrylonitrile	53	4.177	4.177	0.000	99	3389234	600.0	649.3	
31 Methyl tert-butyl ether	73	4.201	4.201	0.000	95	2282415	60.0	65.6	
32 trans-1,2-Dichloroethene	96	4.213	4.213	0.000	99	816155	60.0	60.0	
34 Hexane	86	4.426	4.426	0.000	92	213424	60.0	68.2	
36 Vinyl acetate	43	4.545	4.545	0.000	97	1194646	60.0	62.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 1,1-Dichloroethane	63	4.568	4.569	-0.001	96	1430976	60.0	64.4	
40 2-Butanone (MEK)	72	4.995	4.995	0.000	100	265449	120.0	122.6	
41 cis-1,2-Dichloroethene	96	5.019	5.019	0.000	81	878104	60.0	63.8	
42 2,2-Dichloropropane	97	5.031	5.031	0.000	90	175554	60.0	59.9	
46 Chlorobromomethane	128	5.209	5.209	0.000	93	430945	60.0	64.7	
47 Tetrahydrofuran	42	5.221	5.221	0.000	86	639690	120.0	121.3	
48 Chloroform	83	5.280	5.268	0.012	94	1380875	60.0	63.9	
49 1,1,1-Trichloroethane	97	5.434	5.434	0.000	98	1212701	60.0	65.2	
50 Cyclohexane	56	5.493	5.494	-0.001	88	1204357	60.0	63.8	
51 1,1-Dichloropropene	75	5.541	5.541	0.000	96	1175766	60.0	64.1	
52 Carbon tetrachloride	117	5.553	5.553	0.000	92	1113868	60.0	66.2	
53 Isobutyl alcohol	41	5.553	5.553	0.000	94	898326	1500.0	1583.7	
55 Benzene	78	5.707	5.707	0.000	96	3276695	60.0	64.2	
56 1,2-Dichloroethane	62	5.742	5.743	-0.001	97	1078248	60.0	62.7	
58 n-Heptane	100	5.897	5.885	0.012	92	182367	60.0	64.1	
60 Trichloroethene	130	6.217	6.217	0.000	96	934642	60.0	65.1	
62 Methylcyclohexane	83	6.406	6.407	-0.001	91	1235062	60.0	67.2	
63 1,2-Dichloropropane	63	6.418	6.419	0.000	94	756189	60.0	63.3	
66 1,4-Dioxane	88	6.466	6.466	0.000	93	157302	1200.0	1299.2	
65 Dibromomethane	93	6.501	6.502	-0.001	93	470977	60.0	62.2	
67 Dichlorobromomethane	83	6.620	6.620	0.000	99	1037173	60.0	65.4	
69 2-Chloroethyl vinyl ether	63	6.810	6.810	0.000	93	1192460	120.0	133.3	
70 cis-1,3-Dichloropropene	75	6.964	6.964	0.000	95	1293290	60.0	66.6	
71 4-Methyl-2-pentanone (MIBK)	43	7.071	7.071	0.000	96	2038935	120.0	127.2	
72 Toluene	91	7.260	7.260	0.000	98	3508499	60.0	64.0	
73 trans-1,3-Dichloropropene	75	7.426	7.426	0.000	97	1211370	60.0	67.2	
74 Ethyl methacrylate	69	7.438	7.438	0.000	83	1153857	60.0	66.7	
75 1,1,2-Trichloroethane	97	7.604	7.604	0.000	91	685567	60.0	65.0	
76 Tetrachloroethene	164	7.699	7.699	0.000	98	730856	60.0	68.5	
77 1,3-Dichloropropane	76	7.746	7.747	-0.001	96	1225542	60.0	65.9	
78 2-Hexanone	43	7.758	7.759	-0.001	95	1540811	120.0	129.5	
80 Chlorodibromomethane	129	7.936	7.936	0.000	90	786066	60.0	67.6	
82 Ethylene Dibromide	107	8.055	8.055	0.000	98	747878	60.0	65.5	
84 Chlorobenzene	112	8.482	8.482	0.000	97	2197880	60.0	65.3	
85 1,1,1,2-Tetrachloroethane	131	8.541	8.541	0.000	43	730071	60.0	66.5	
86 Ethylbenzene	106	8.541	8.541	0.000	97	1232007	60.0	66.5	
87 m-Xylene & p-Xylene	91	8.648	8.648	0.000	93	2876304	60.0	65.9	
88 o-Xylene	106	9.003	9.004	-0.001	96	1362412	60.0	64.9	
89 Styrene	104	9.015	9.016	-0.001	94	2387025	60.0	66.7	
90 Bromoform	173	9.205	9.205	0.000	98	590685	60.0	71.1	
91 Isopropylbenzene	105	9.324	9.324	0.000	95	3414725	60.0	66.1	
94 1,1,2,2-Tetrachloroethane	83	9.596	9.597	-0.001	95	858467	60.0	60.7	
97 trans-1,4-Dichloro-2-butene	53	9.632	9.632	0.000	78	329217	60.0	64.2	
95 Bromobenzene	156	9.644	9.644	0.000	94	890995	60.0	66.2	
96 1,2,3-Trichloropropane	110	9.668	9.668	0.000	82	321066	60.0	64.4	
98 N-Propylbenzene	120	9.703	9.703	0.000	98	952212	60.0	65.0	
99 2-Chlorotoluene	126	9.810	9.810	0.000	98	795966	60.0	64.4	
101 1,3,5-Trimethylbenzene	105	9.869	9.857	0.012	94	2527247	60.0	63.3	
102 4-Chlorotoluene	91	9.917	9.917	0.000	97	2395200	60.0	63.1	
104 tert-Butylbenzene	119	10.166	10.166	0.000	91	2201917	60.0	63.3	
106 1,2,4-Trimethylbenzene	105	10.213	10.213	0.000	94	2516225	60.0	63.5	
107 sec-Butylbenzene	105	10.367	10.367	0.000	94	2918290	60.0	64.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 1,3-Dichlorobenzene	146	10.510	10.510	0.000	74	1501124	60.0	65.3	
109 4-Isopropyltoluene	119	10.510	10.510	0.000	97	2538125	60.0	65.0	
110 1,4-Dichlorobenzene	146	10.593	10.593	0.000	96	1526096	60.0	64.9	
113 n-Butylbenzene	91	10.889	10.889	0.000	97	1979704	60.0	63.7	
114 1,2-Dichlorobenzene	146	10.948	10.937	0.011	99	1322212	60.0	64.9	
115 1,2-Dibromo-3-Chloropropane	157	11.684	11.684	0.000	90	220456	60.0	62.6	
117 1,2,4-Trichlorobenzene	180	12.454	12.454	0.000	94	583801	60.0	63.5	
118 Hexachlorobutadiene	225	12.573	12.573	0.000	97	270732	60.0	65.7	
119 Naphthalene	128	12.715	12.715	0.000	97	2059151	60.0	63.0	
120 1,2,3-Trichlorobenzene	180	12.929	12.929	0.000	96	528233	60.0	65.9	
S 130 Total BTEX	1				0		300.0	325.7	
S 131 Trihalomethanes, Total	1				0		240.0	268.0	
S 127 1,2-Dichloroethene, Total	96				0			123.8	
S 128 1,3-Dichloropropene, Total	75				0			133.8	
S 129 Xylenes, Total	106				0		120.0	130.9	

QC Flag Legend

Processing Flags

Reagents:

vm50is_stk_A_00011

Amount Added: 2.00

Units: uL

vmrgas_00430

Amount Added: 48.00

Units: uL

vmarolistdw_00442

Amount Added: 48.00

Units: uL

vmrprimw_00486

Amount Added: 48.00

Units: uL

vm50ss_stk_00091

Amount Added: 48.00

Units: uL

Eurofins Canton

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2440.D

Injection Date: 17-Jun-2022 17:50:30

Instrument ID: A3UX15

Operator ID: 001904

Lims ID: std8260 L7

Worklist Smp#: 15

Client ID:

Purge Vol: 5.000 mL

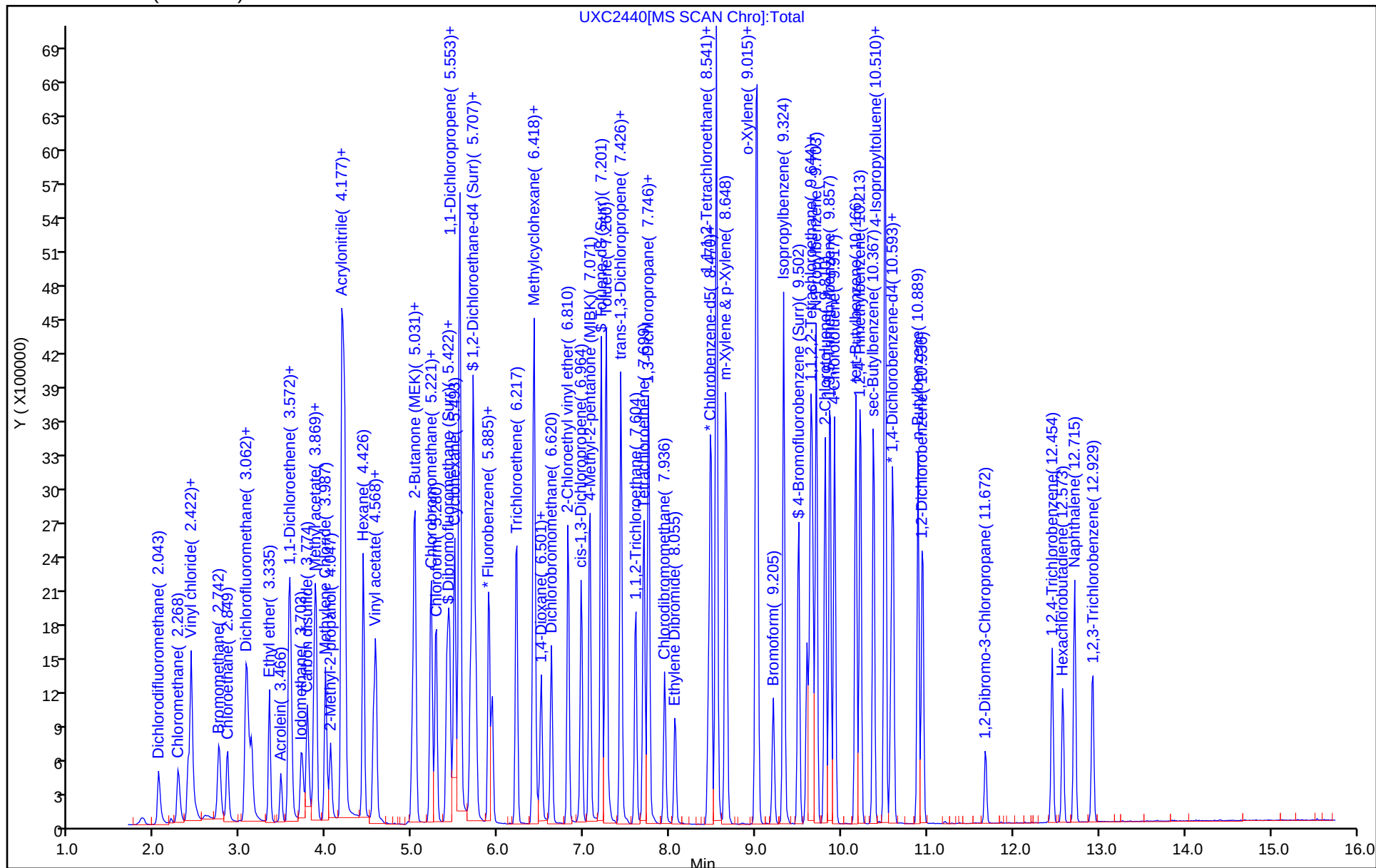
Dil. Factor: 1.0000

ALS Bottle#: 15

Method: 8260_15

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)



Eurofins Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2441.D
 Lims ID: std8260 L8
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 17-Jun-2022 18:14:30 ALS Bottle#: 16 Worklist Smp#: 16
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0119589-016
 Operator ID: 001904 Instrument ID: A3UX15
 Sublist: chrom-8260_15*sub79
 Method: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\8260_15.m
 Limit Group: MSV 8260C ICAL
 Last Update: 20-Jun-2022 10:42:51 Calib Date: 17-Jun-2022 22:33:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2452.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1625

First Level Reviewer: laveyt

Date: 20-Jun-2022 10:22:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.932	5.932	0.000	99	1035752	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.446	8.446	0.000	85	743498	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.569	10.581	-0.012	94	363030	20.0	20.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.399	5.399	0.000	97	1013849	80.0	84.4	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.671	5.671	0.000	100	1187928	80.0	78.8	
\$ 6 Toluene-d8 (Surr)	98	7.201	7.201	0.000	93	4037069	80.0	81.2	
\$ 7 4-Bromofluorobenzene (Surr)	95	9.502	9.502	0.000	97	1309144	80.0	75.4	
9 Dichlorodifluoromethane	85	2.031	2.043	-0.012	99	926257	80.0	87.9	
10 Chloromethane	50	2.256	2.268	-0.012	99	1043125	80.0	76.5	
11 Vinyl chloride	62	2.386	2.387	-0.001	98	1142771	80.0	81.8	
12 Butadiene	54	2.410	2.422	-0.012	99	1148285	80.0	81.6	
13 Bromomethane	94	2.730	2.754	-0.024	91	943437	80.0	86.9	
14 Chloroethane	64	2.837	2.849	-0.012	99	906817	80.0	89.5	
15 Dichlorofluoromethane	67	3.051	3.063	-0.012	98	1928622	80.0	84.0	
16 Trichlorofluoromethane	101	3.074	3.074	0.000	98	1730899	80.0	89.4	
17 Ethyl ether	59	3.323	3.335	-0.012	92	851012	80.0	82.4	
18 Acrolein	56	3.466	3.466	0.000	99	515954	400.0	402.3	
19 1,1-Dichloroethene	96	3.560	3.561	-0.001	98	866620	80.0	83.5	
20 112TCTFE	151	3.572	3.572	0.000	90	657218	80.0	92.4	
21 Acetone	43	3.584	3.584	0.000	99	538070	160.0	142.9	
22 Iodomethane	142	3.703	3.703	0.000	98	1437969	80.0	86.0	
24 Carbon disulfide	76	3.774	3.774	0.000	100	2531898	80.0	83.5	
27 Methyl acetate	43	3.845	3.857	-0.012	98	1938934	160.0	152.8	
26 3-Chloro-1-propene	76	3.869	3.881	-0.012	89	733647	80.0	87.9	
28 Methylene Chloride	84	3.987	3.988	-0.001	92	952111	80.0	80.0	
29 2-Methyl-2-propanol	59	4.047	4.047	0.000	99	910408	800.0	639.1	
30 Acrylonitrile	53	4.177	4.177	0.000	100	4152971	800.0	789.7	
31 Methyl tert-butyl ether	73	4.201	4.201	0.000	95	2971517	80.0	84.8	
32 trans-1,2-Dichloroethene	96	4.213	4.213	0.000	99	1084170	80.0	79.1	
34 Hexane	86	4.426	4.426	0.000	92	274750	80.0	87.2	
36 Vinyl acetate	43	4.545	4.545	0.000	97	1338983	80.0	69.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 1,1-Dichloroethane	63	4.568	4.569	-0.001	96	1863359	80.0	83.2	
40 2-Butanone (MEK)	72	4.995	4.995	0.000	99	320202	160.0	146.7	
41 cis-1,2-Dichloroethene	96	5.019	5.019	0.000	81	1161175	80.0	83.8	
42 2,2-Dichloropropane	97	5.031	5.031	0.000	91	233852	80.0	79.2	
46 Chlorobromomethane	128	5.209	5.209	0.000	94	568040	80.0	84.6	
47 Tetrahydrofuran	42	5.221	5.221	0.000	86	767126	160.0	144.4	
48 Chloroform	83	5.268	5.268	0.000	94	1830857	80.0	84.1	
49 1,1,1-Trichloroethane	97	5.434	5.434	0.000	99	1576818	80.0	84.2	
50 Cyclohexane	56	5.493	5.494	-0.001	88	1631491	80.0	85.8	
51 1,1-Dichloropropene	75	5.541	5.541	0.000	98	1548958	80.0	83.8	
52 Carbon tetrachloride	117	5.553	5.553	0.000	95	1484014	80.0	87.6	
53 Isobutyl alcohol	41	5.553	5.553	0.000	95	1026488	2000.0	1796.0	
55 Benzene	78	5.707	5.707	0.000	96	4355543	80.0	84.8	
56 1,2-Dichloroethane	62	5.731	5.743	-0.012	97	1403533	80.0	81.1	
58 n-Heptane	100	5.885	5.885	0.000	92	245751	80.0	85.7	
60 Trichloroethene	130	6.205	6.217	-0.012	96	1233264	80.0	85.3	
62 Methylcyclohexane	83	6.406	6.407	-0.001	91	1652710	80.0	89.3	
63 1,2-Dichloropropane	63	6.418	6.419	0.000	94	1001142	80.0	83.2	
66 1,4-Dioxane	88	6.466	6.466	0.000	94	169307	1600.0	1387.8	
65 Dibromomethane	93	6.501	6.502	-0.001	92	608489	80.0	79.8	
67 Dichlorobromomethane	83	6.620	6.620	0.000	99	1342315	80.0	84.1	
69 2-Chloroethyl vinyl ether	63	6.810	6.810	0.000	93	1496459	160.0	166.0	
70 cis-1,3-Dichloropropene	75	6.964	6.964	0.000	95	1666525	80.0	85.2	
71 4-Methyl-2-pentanone (MIBK)	43	7.059	7.071	-0.012	96	2500030	160.0	154.7	
72 Toluene	91	7.260	7.260	0.000	98	4550670	80.0	82.4	
73 trans-1,3-Dichloropropene	75	7.426	7.426	0.000	96	1545998	80.0	85.1	
74 Ethyl methacrylate	69	7.438	7.438	0.000	88	1435294	80.0	82.3	
75 1,1,2-Trichloroethane	97	7.604	7.604	0.000	91	874063	80.0	82.1	
76 Tetrachloroethene	164	7.699	7.699	0.000	98	950831	80.0	88.4	
77 1,3-Dichloropropane	76	7.747	7.747	-0.001	96	1553616	80.0	82.8	
78 2-Hexanone	43	7.758	7.759	-0.001	95	1864287	160.0	155.4	
80 Chlorodibromomethane	129	7.936	7.936	0.000	90	1011049	80.0	86.2	
82 Ethylene Dibromide	107	8.055	8.055	0.000	98	948124	80.0	82.3	
84 Chlorobenzene	112	8.482	8.482	0.000	97	2831852	80.0	83.5	
85 1,1,1,2-Tetrachloroethane	131	8.541	8.541	0.000	43	950745	80.0	85.9	
86 Ethylbenzene	106	8.541	8.541	0.000	97	1582171	80.0	84.7	
87 m-Xylene & p-Xylene	91	8.648	8.648	0.000	93	3681172	80.0	83.7	
88 o-Xylene	106	9.004	9.004	0.000	96	1763526	80.0	83.4	
89 Styrene	104	9.015	9.016	-0.001	94	3062334	80.0	84.8	
90 Bromoform	173	9.205	9.205	0.000	98	774212	80.0	92.4	
91 Isopropylbenzene	105	9.324	9.324	0.000	95	4481110	80.0	86.1	
94 1,1,2,2-Tetrachloroethane	83	9.596	9.597	-0.001	95	1084312	80.0	75.9	
97 trans-1,4-Dichloro-2-butene	53	9.632	9.632	0.000	84	408083	80.0	78.8	
95 Bromobenzene	156	9.644	9.644	0.000	92	1162303	80.0	85.5	
96 1,2,3-Trichloropropane	110	9.668	9.668	0.000	83	403407	80.0	80.0	
98 N-Propylbenzene	120	9.703	9.703	0.000	98	1229909	80.0	83.1	
99 2-Chlorotoluene	126	9.810	9.810	0.000	98	1026748	80.0	82.3	
101 1,3,5-Trimethylbenzene	105	9.869	9.857	0.012	94	3286659	80.0	81.5	
102 4-Chlorotoluene	91	9.917	9.917	0.000	97	3071541	80.0	80.1	
104 tert-Butylbenzene	119	10.166	10.166	0.000	92	2884311	80.0	82.0	
106 1,2,4-Trimethylbenzene	105	10.213	10.213	0.000	95	3248252	80.0	81.1	
107 sec-Butylbenzene	105	10.367	10.367	0.000	94	3824259	80.0	83.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 1,3-Dichlorobenzene	146	10.510	10.510	0.000	74	1951702	80.0	84.0	
109 4-Isopropyltoluene	119	10.510	10.510	0.000	97	3316885	80.0	84.0	
110 1,4-Dichlorobenzene	146	10.593	10.593	0.000	96	1971342	80.0	83.0	
113 n-Butylbenzene	91	10.889	10.889	0.000	98	2568551	80.0	81.8	
114 1,2-Dichlorobenzene	146	10.936	10.937	-0.001	99	1721570	80.0	83.5	
115 1,2-Dibromo-3-Chloropropane	157	11.684	11.684	0.000	94	290697	80.0	81.6	
117 1,2,4-Trichlorobenzene	180	12.454	12.454	0.000	94	852115	80.0	91.7	
118 Hexachlorobutadiene	225	12.573	12.573	0.000	97	390998	80.0	93.9	
119 Naphthalene	128	12.715	12.715	0.000	96	3016007	80.0	91.3	
120 1,2,3-Trichlorobenzene	180	12.929	12.929	0.000	96	781209	80.0	96.4	
S 130 Total BTEX	1				0		400.0	418.9	
S 131 Trihalomethanes, Total	1				0		320.0	346.7	
S 127 1,2-Dichloroethene, Total	96				0			162.9	
S 128 1,3-Dichloropropene, Total	75				0			170.3	
S 129 Xylenes, Total	106				0		160.0	167.1	

QC Flag Legend

Processing Flags

Reagents:

vm50is_stk_A_00011

Amount Added: 2.00

Units: uL

vmrgas_00430

Amount Added: 64.00

Units: uL

vmarolistdw_00442

Amount Added: 64.00

Units: uL

vmrprimw_00486

Amount Added: 64.00

Units: uL

vm50ss_stk_00091

Amount Added: 64.00

Units: uL

Eurofins Canton

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2441.D

Injection Date: 17-Jun-2022 18:14:30

Instrument ID: A3UX15

Operator ID: 001904

Lims ID: std8260 L8

Worklist Smp#: 16

Client ID:

Purge Vol: 5.000 mL

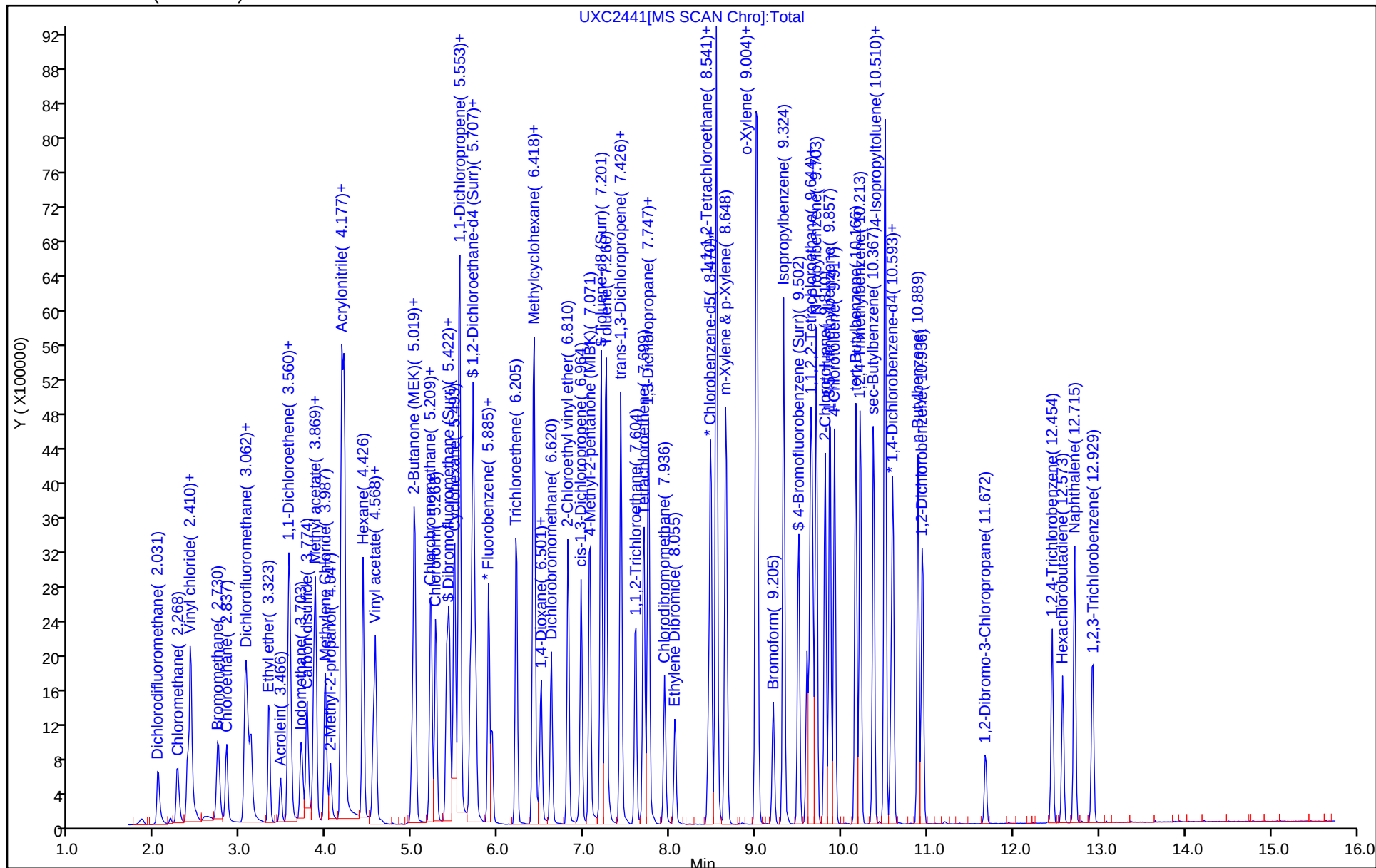
Dil. Factor: 1.0000

ALS Bottle#: 16

Method: 8260_15

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)



Calibration

/ Dichlorodifluoromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

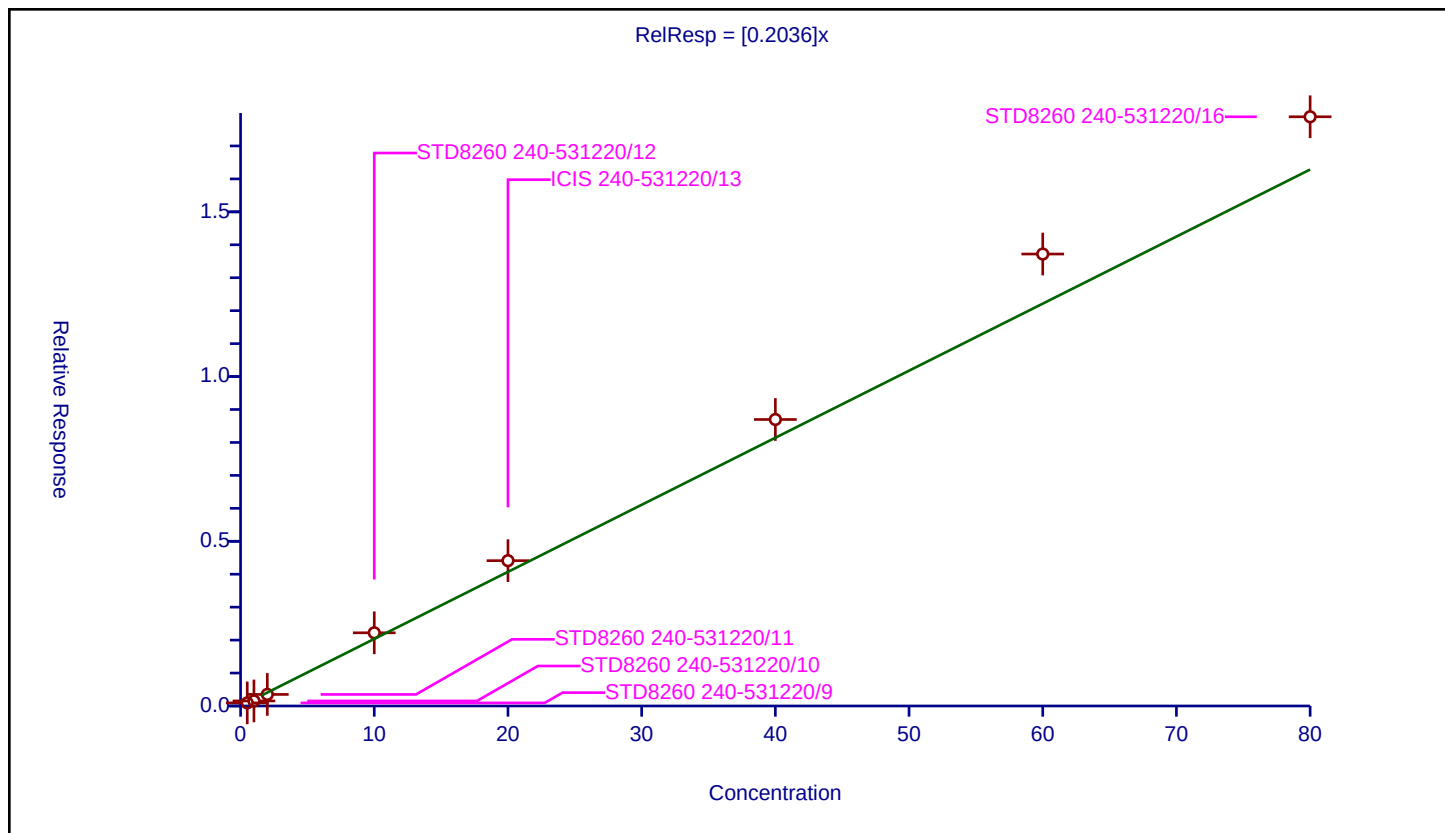
Curve Coefficients

Intercept: 0
Slope: 0.2036

Error Coefficients

Standard Error: 482000
Relative Standard Error: 13.7
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.093403	20.0	940017.0	0.186805	Y
2	STD8260 240-531220/10	1.0	0.153705	20.0	1011549.0	0.153705	Y
3	STD8260 240-531220/11	2.0	0.351047	20.0	983573.0	0.175523	Y
4	STD8260 240-531220/12	10.0	2.221915	20.0	1018383.0	0.222191	Y
5	ICIS 240-531220/13	20.0	4.411645	20.0	1012688.0	0.220582	Y
6	STD8260 240-531220/14	40.0	8.696723	20.0	1043186.0	0.217418	Y
7	STD8260 240-531220/15	60.0	13.719398	20.0	1027981.0	0.228657	Y
8	STD8260 240-531220/16	80.0	17.885691	20.0	1035752.0	0.223571	Y



Calibration

/ Chloromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

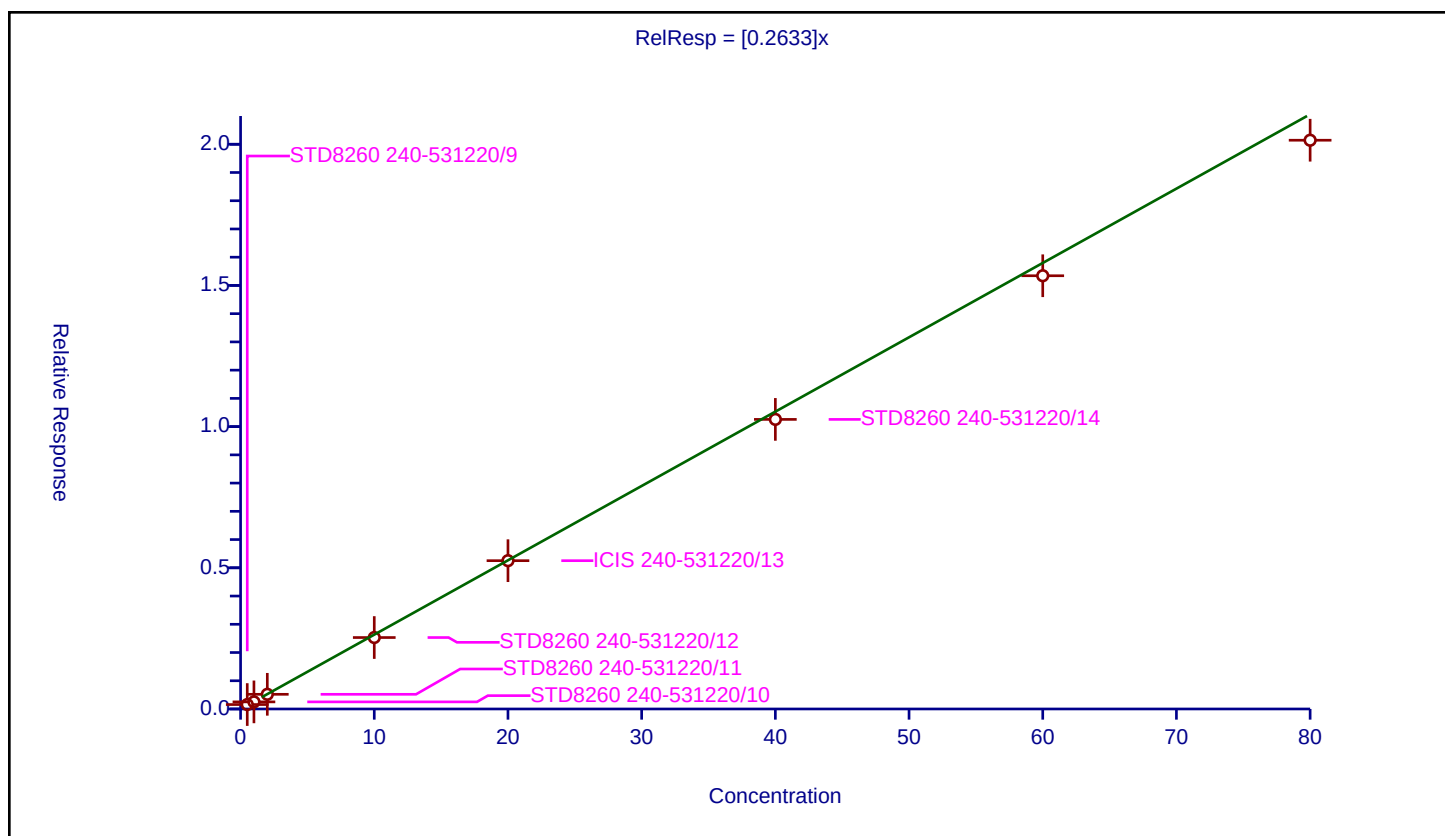
Curve Coefficients

Intercept: 0
Slope: 0.2633

Error Coefficients

Standard Error: 546000
Relative Standard Error: 8.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.157274	20.0	940017.0	0.314548	Y
2	STD8260 240-531220/10	1.0	0.252148	20.0	1011549.0	0.252148	Y
3	STD8260 240-531220/11	2.0	0.519636	20.0	983573.0	0.259818	Y
4	STD8260 240-531220/12	10.0	2.530423	20.0	1018383.0	0.253042	Y
5	ICIS 240-531220/13	20.0	5.252279	20.0	1012688.0	0.262614	Y
6	STD8260 240-531220/14	40.0	10.255487	20.0	1043186.0	0.256387	Y
7	STD8260 240-531220/15	60.0	15.342968	20.0	1027981.0	0.255716	Y
8	STD8260 240-531220/16	80.0	20.14237	20.0	1035752.0	0.25178	Y



Calibration

/ Vinyl chloride

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

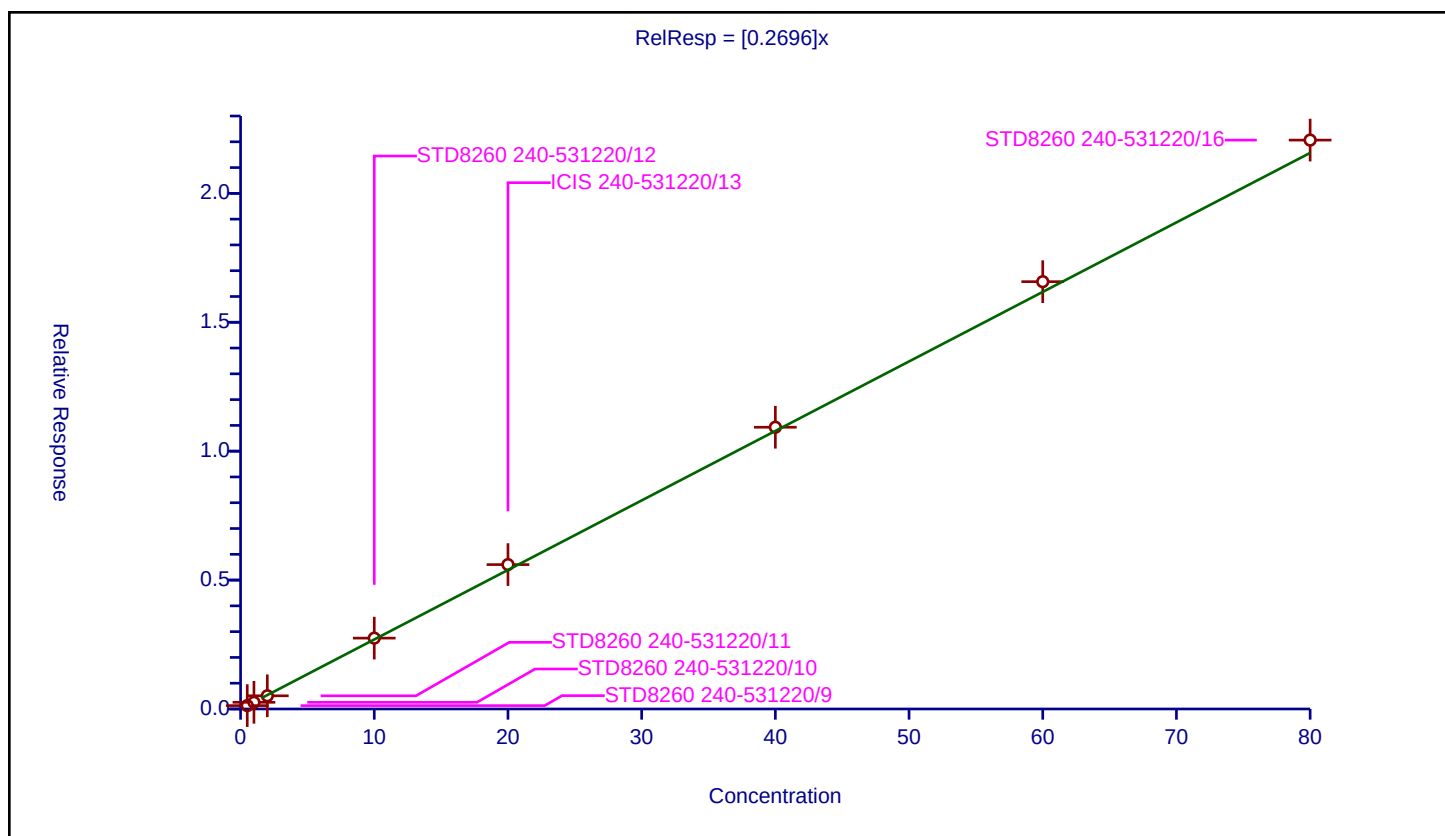
Curve Coefficients

Intercept: 0
 Slope: 0.2696

Error Coefficients

Standard Error: 592000
 Relative Standard Error: 3.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.13087	20.0	940017.0	0.26174	Y
2	STD8260 240-531220/10	1.0	0.259286	20.0	1011549.0	0.259286	Y
3	STD8260 240-531220/11	2.0	0.511319	20.0	983573.0	0.25566	Y
4	STD8260 240-531220/12	10.0	2.748769	20.0	1018383.0	0.274877	Y
5	ICIS 240-531220/13	20.0	5.600896	20.0	1012688.0	0.280045	Y
6	STD8260 240-531220/14	40.0	10.92831	20.0	1043186.0	0.273208	Y
7	STD8260 240-531220/15	60.0	16.574217	20.0	1027981.0	0.276237	Y
8	STD8260 240-531220/16	80.0	22.066499	20.0	1035752.0	0.275831	Y



Calibration

/ Butadiene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

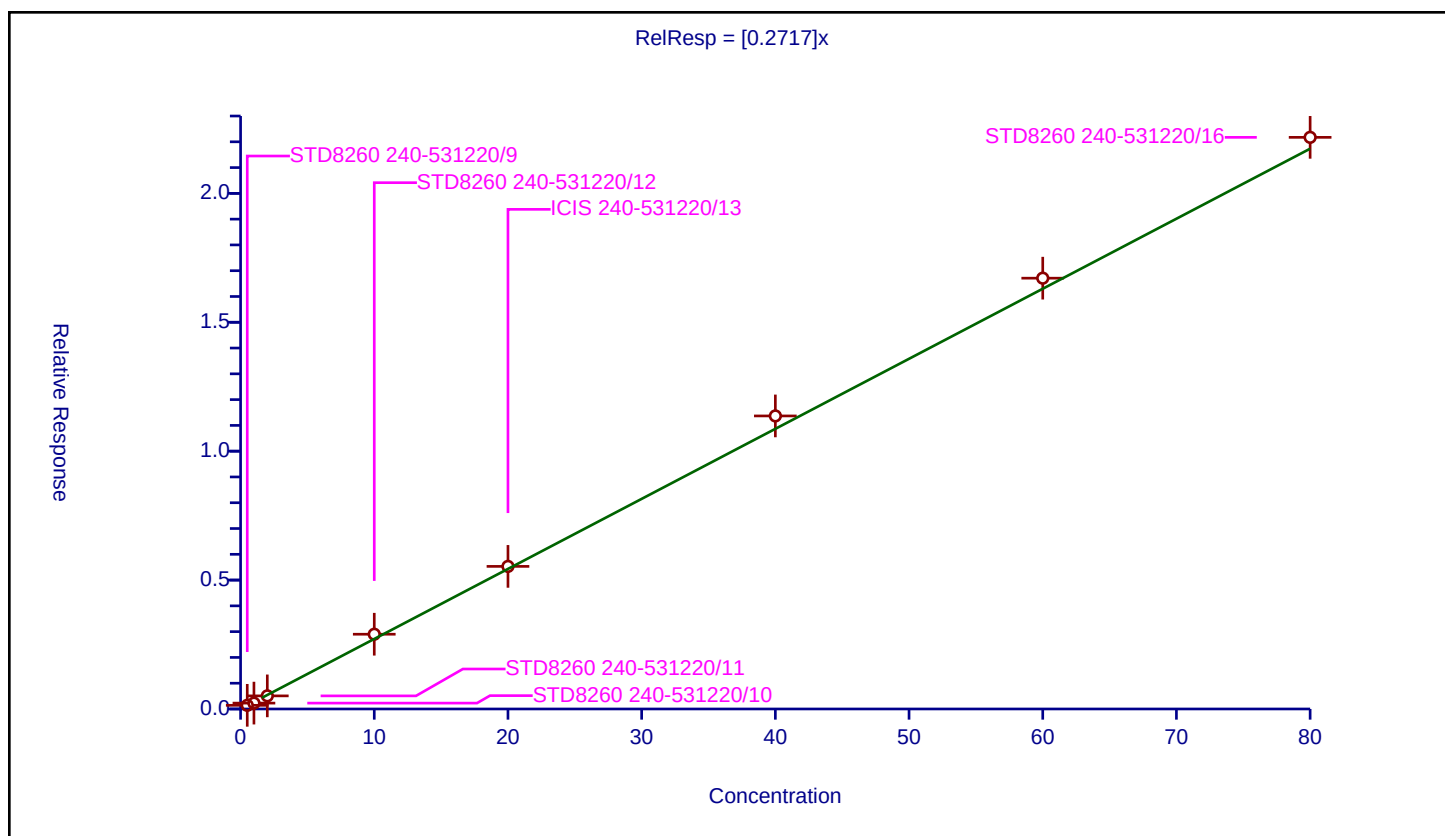
Curve Coefficients

Intercept: 0
Slope: 0.2717

Error Coefficients

Standard Error: 599000
Relative Standard Error: 7.6
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.142295	20.0	940017.0	0.284591	Y
2	STD8260 240-531220/10	1.0	0.228106	20.0	1011549.0	0.228106	Y
3	STD8260 240-531220/11	2.0	0.508452	20.0	983573.0	0.254226	Y
4	STD8260 240-531220/12	10.0	2.89944	20.0	1018383.0	0.289944	Y
5	ICIS 240-531220/13	20.0	5.530706	20.0	1012688.0	0.276535	Y
6	STD8260 240-531220/14	40.0	11.366794	20.0	1043186.0	0.28417	Y
7	STD8260 240-531220/15	60.0	16.710328	20.0	1027981.0	0.278505	Y
8	STD8260 240-531220/16	80.0	22.172972	20.0	1035752.0	0.277162	Y



Calibration

/ Bromomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

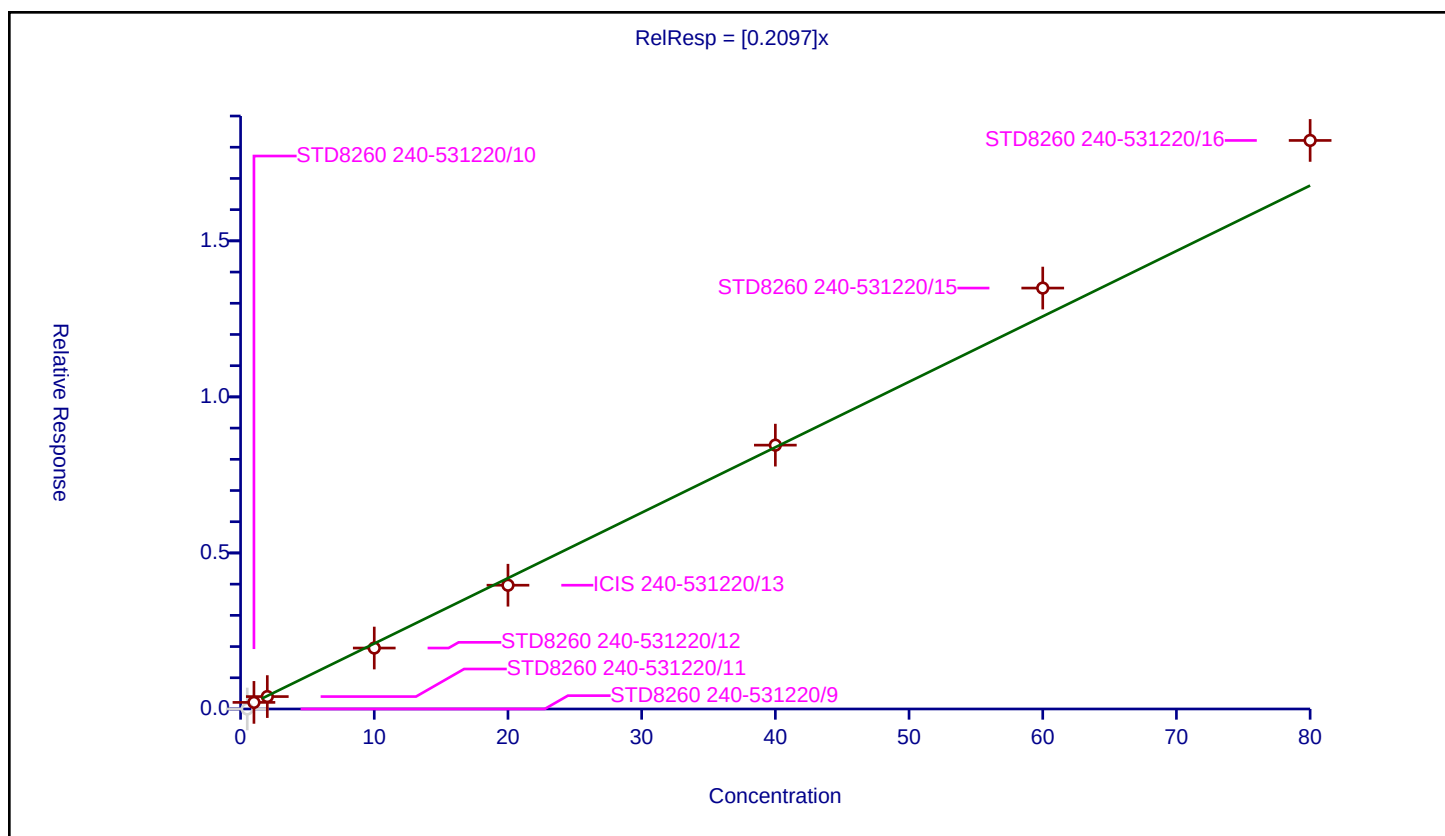
Curve Coefficients

Intercept: 0
 Slope: 0.2097

Error Coefficients

Standard Error: 519000
 Relative Standard Error: 6.2
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.0	20.0	940017.0	0.0	N
2	STD8260 240-531220/10	1.0	0.211181	20.0	1011549.0	0.211181	Y
3	STD8260 240-531220/11	2.0	0.397896	20.0	983573.0	0.198948	Y
4	STD8260 240-531220/12	10.0	1.952546	20.0	1018383.0	0.195255	Y
5	ICIS 240-531220/13	20.0	3.966236	20.0	1012688.0	0.198312	Y
6	STD8260 240-531220/14	40.0	8.454619	20.0	1043186.0	0.211365	Y
7	STD8260 240-531220/15	60.0	13.486786	20.0	1027981.0	0.22478	Y
8	STD8260 240-531220/16	80.0	18.21743	20.0	1035752.0	0.227718	Y



Calibration

/ Chloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

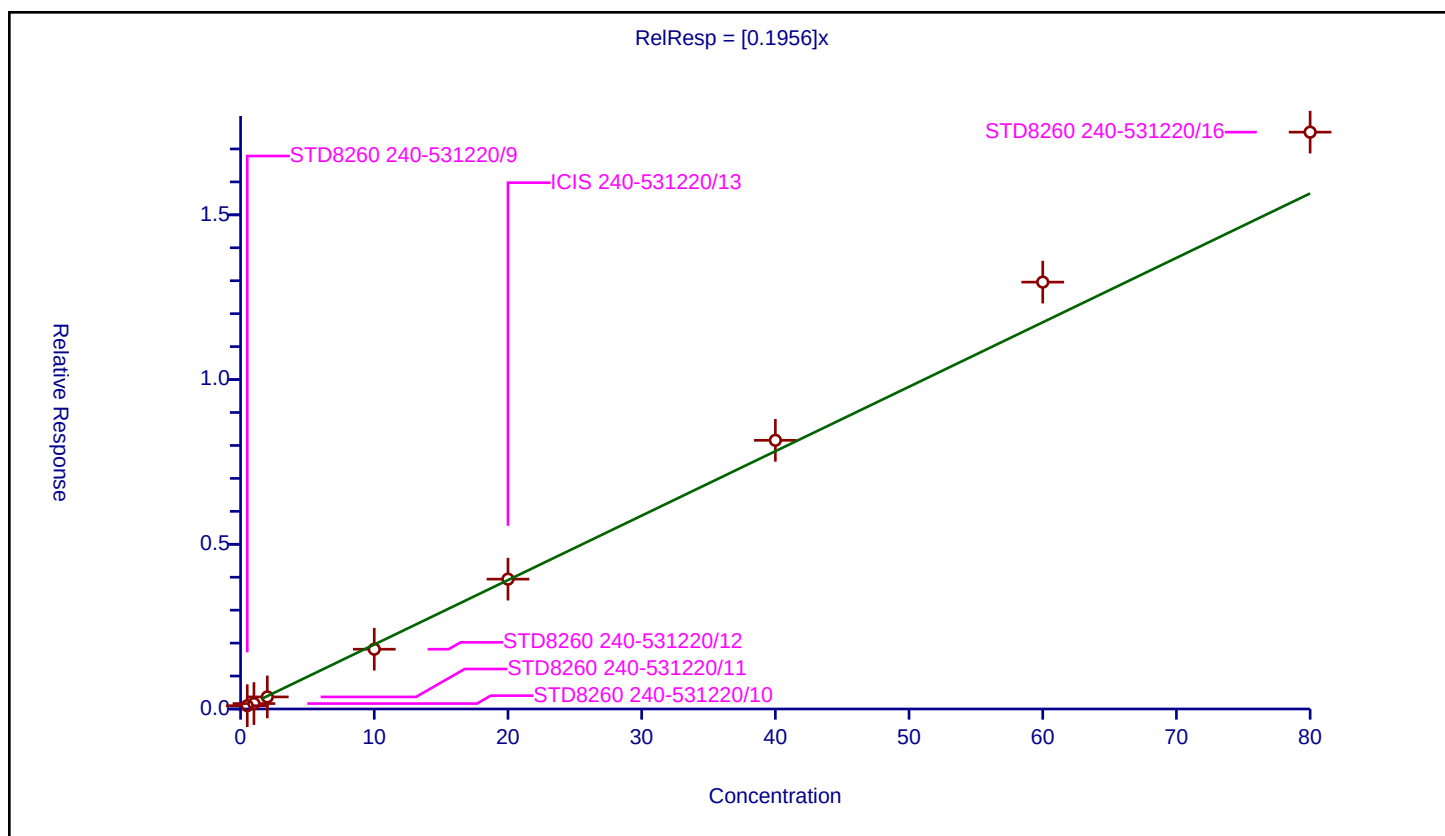
Curve Coefficients

Intercept: 0
Slope: 0.1956

Error Coefficients

Standard Error: 462000
Relative Standard Error: 9.4
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.099977	20.0	940017.0	0.199954	Y
2	STD8260 240-531220/10	1.0	0.164599	20.0	1011549.0	0.164599	Y
3	STD8260 240-531220/11	2.0	0.366297	20.0	983573.0	0.183149	Y
4	STD8260 240-531220/12	10.0	1.814622	20.0	1018383.0	0.181462	Y
5	ICIS 240-531220/13	20.0	3.941984	20.0	1012688.0	0.197099	Y
6	STD8260 240-531220/14	40.0	8.155976	20.0	1043186.0	0.203899	Y
7	STD8260 240-531220/15	60.0	12.958022	20.0	1027981.0	0.215967	Y
8	STD8260 240-531220/16	80.0	17.510311	20.0	1035752.0	0.218879	Y



Calibration

/ Dichlorofluoromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

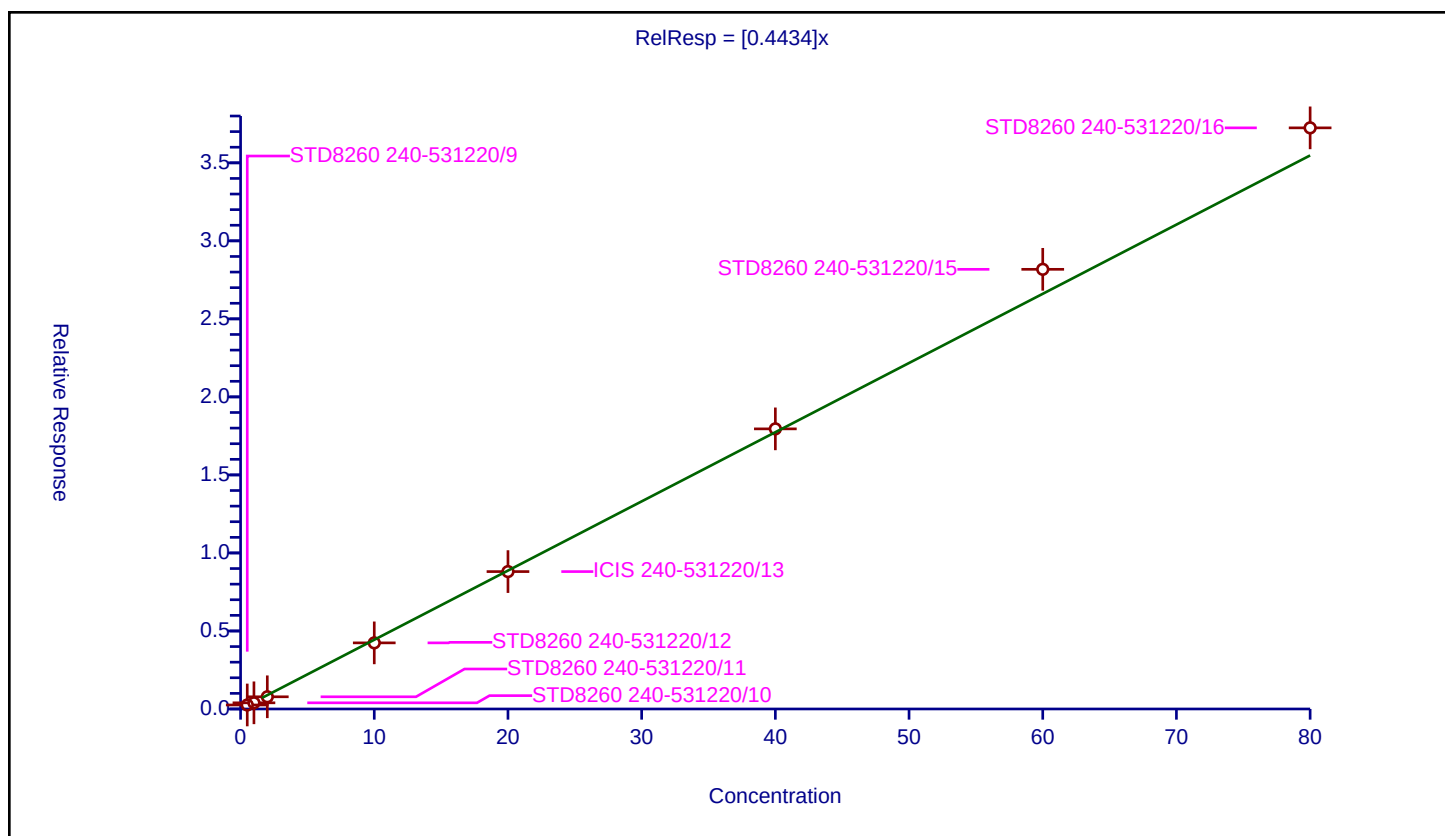
Curve Coefficients

Intercept: 0
Slope: 0.4434

Error Coefficients

Standard Error: 996000
Relative Standard Error: 9.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.256846	20.0	940017.0	0.513693	Y
2	STD8260 240-531220/10	1.0	0.395255	20.0	1011549.0	0.395255	Y
3	STD8260 240-531220/11	2.0	0.781376	20.0	983573.0	0.390688	Y
4	STD8260 240-531220/12	10.0	4.236677	20.0	1018383.0	0.423668	Y
5	ICIS 240-531220/13	20.0	8.805753	20.0	1012688.0	0.440288	Y
6	STD8260 240-531220/14	40.0	17.951621	20.0	1043186.0	0.448791	Y
7	STD8260 240-531220/15	60.0	28.176143	20.0	1027981.0	0.469602	Y
8	STD8260 240-531220/16	80.0	37.241	20.0	1035752.0	0.465512	Y



Calibration

/ Trichlorofluoromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

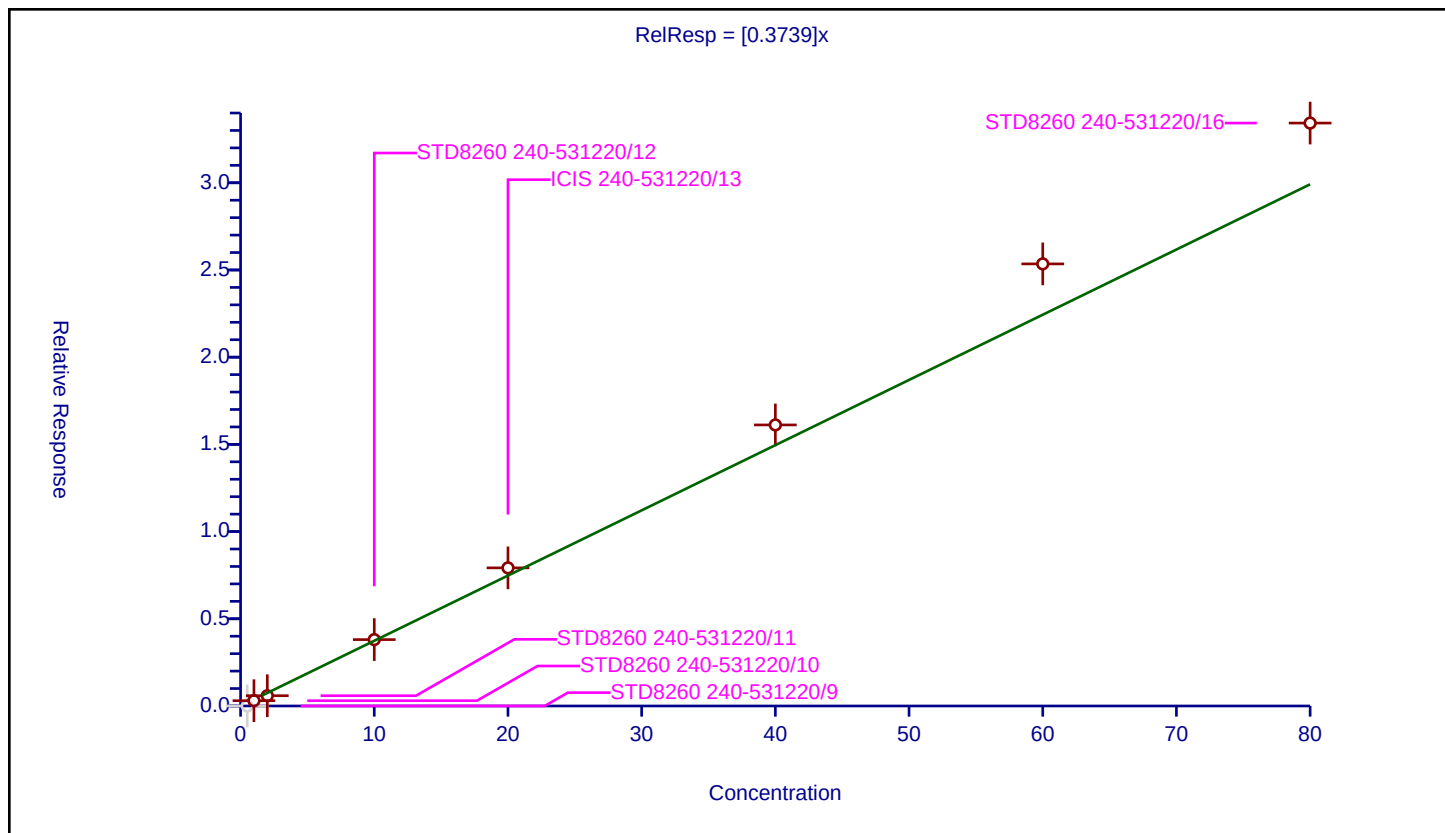
Curve Coefficients

Intercept: 0
Slope: 0.3739

Error Coefficients

Standard Error: 966000
Relative Standard Error: 14.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.0	20.0	940017.0	0.0	N
2	STD8260 240-531220/10	1.0	0.30308	20.0	1011549.0	0.30308	Y
3	STD8260 240-531220/11	2.0	0.588751	20.0	983573.0	0.294376	Y
4	STD8260 240-531220/12	10.0	3.806701	20.0	1018383.0	0.38067	Y
5	ICIS 240-531220/13	20.0	7.9193	20.0	1012688.0	0.395965	Y
6	STD8260 240-531220/14	40.0	16.114595	20.0	1043186.0	0.402865	Y
7	STD8260 240-531220/15	60.0	25.349165	20.0	1027981.0	0.422486	Y
8	STD8260 240-531220/16	80.0	33.423039	20.0	1035752.0	0.417788	Y



Calibration

/ Ethyl ether

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

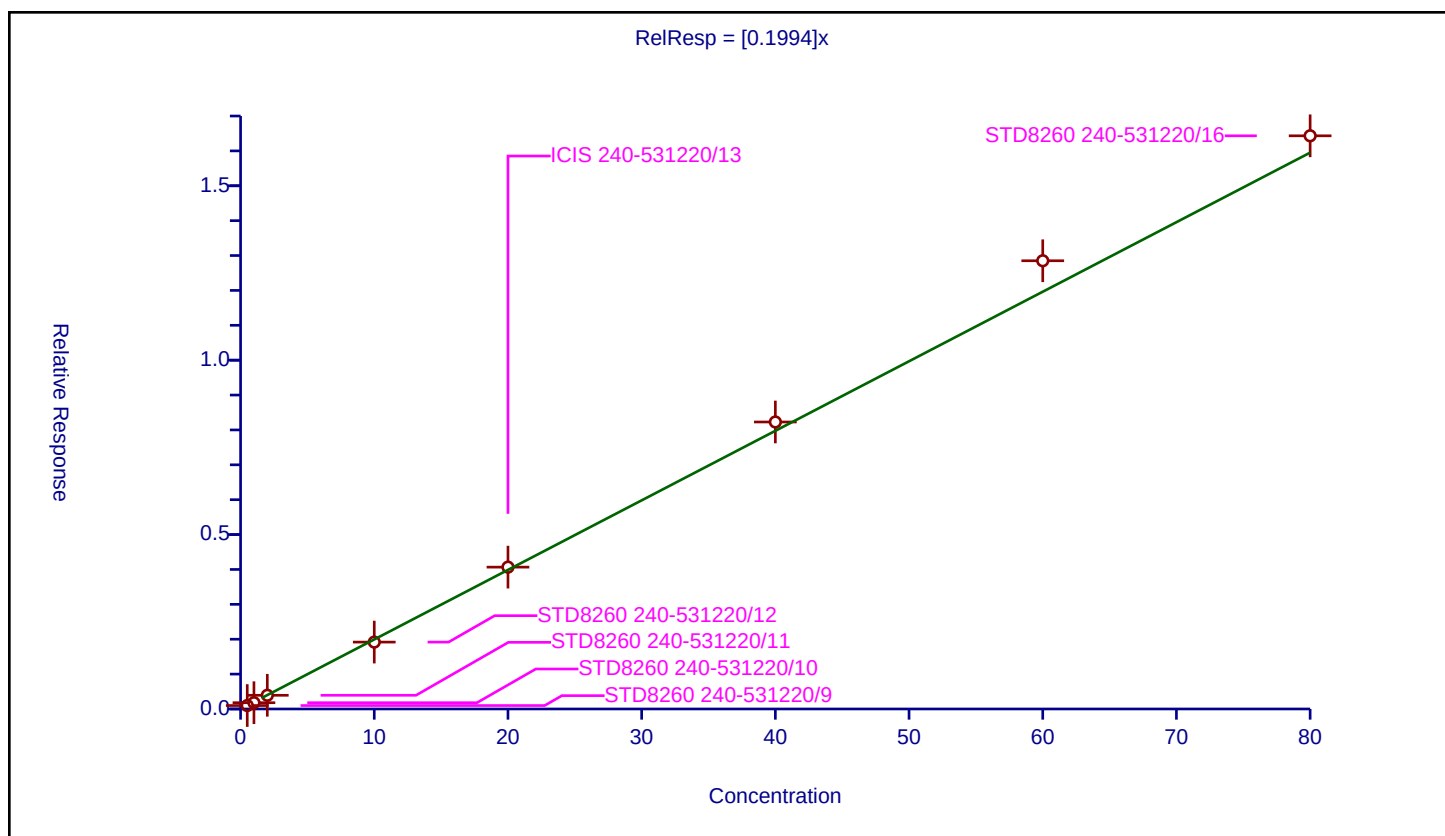
Curve Coefficients

Intercept: 0
 Slope: 0.1994

Error Coefficients

Standard Error: 447000
 Relative Standard Error: 5.2
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.098956	20.0	940017.0	0.197911	Y
2	STD8260 240-531220/10	1.0	0.180298	20.0	1011549.0	0.180298	Y
3	STD8260 240-531220/11	2.0	0.39265	20.0	983573.0	0.196325	Y
4	STD8260 240-531220/12	10.0	1.91808	20.0	1018383.0	0.191808	Y
5	ICIS 240-531220/13	20.0	4.0668	20.0	1012688.0	0.20334	Y
6	STD8260 240-531220/14	40.0	8.227814	20.0	1043186.0	0.205695	Y
7	STD8260 240-531220/15	60.0	12.850588	20.0	1027981.0	0.214176	Y
8	STD8260 240-531220/16	80.0	16.432737	20.0	1035752.0	0.205409	Y



Calibration

/ Acrolein

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

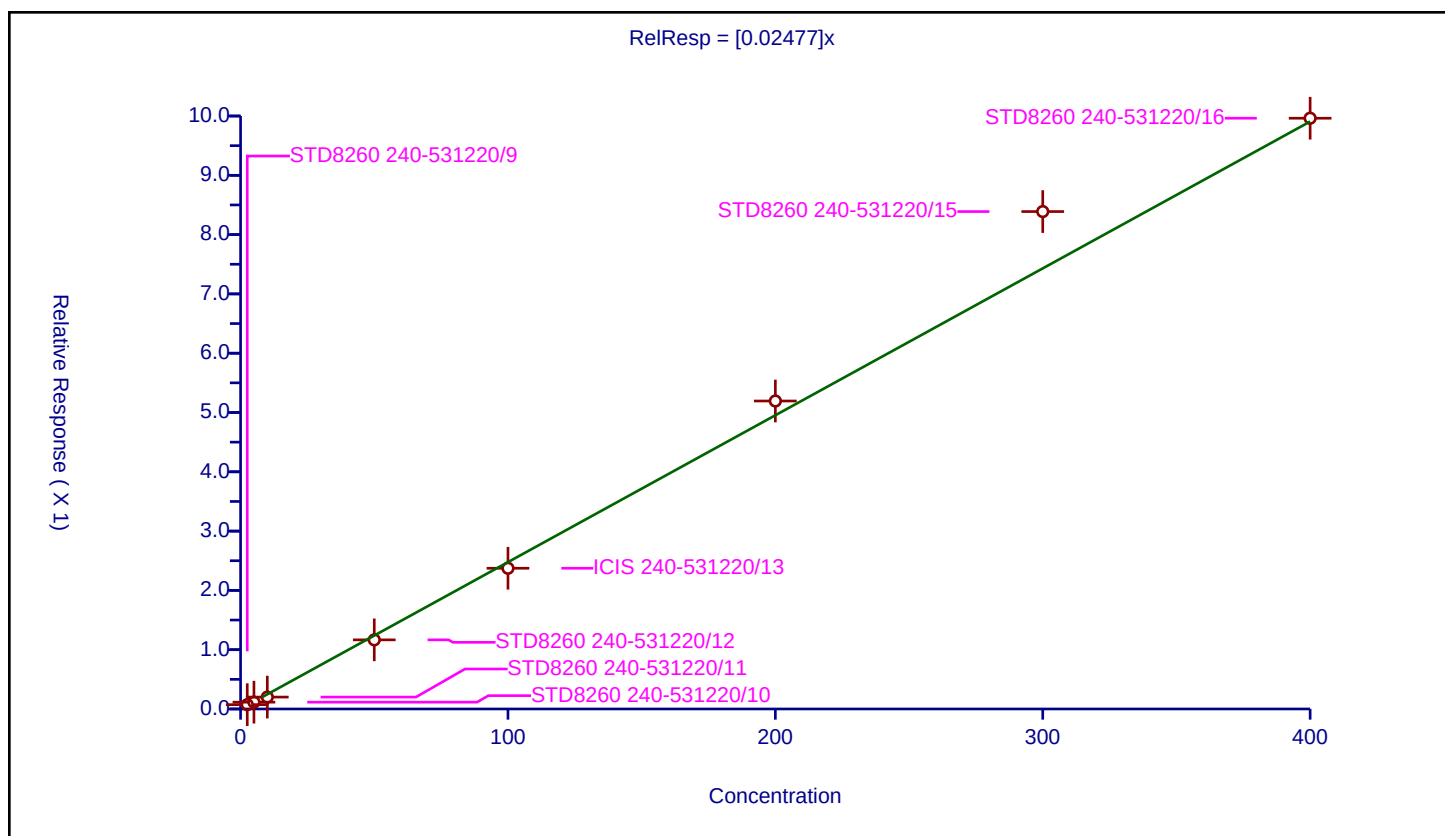
Curve Coefficients

Intercept: 0
Slope: 0.02477

Error Coefficients

Standard Error: 279000
Relative Standard Error: 11.8
Correlation Coefficient: 0.995
Coefficient of Determination (Adjusted): 0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	2.5	0.072956	20.0	940017.0	0.029182	Y
2	STD8260 240-531220/10	5.0	0.114913	20.0	1011549.0	0.022983	Y
3	STD8260 240-531220/11	10.0	0.200839	20.0	983573.0	0.020084	Y
4	STD8260 240-531220/12	50.0	1.165671	20.0	1018383.0	0.023313	Y
5	ICIS 240-531220/13	100.0	2.373169	20.0	1012688.0	0.023732	Y
6	STD8260 240-531220/14	200.0	5.193896	20.0	1043186.0	0.025969	Y
7	STD8260 240-531220/15	300.0	8.38889	20.0	1027981.0	0.027963	Y
8	STD8260 240-531220/16	400.0	9.962887	20.0	1035752.0	0.024907	Y



Calibration

/ 1,1-Dichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

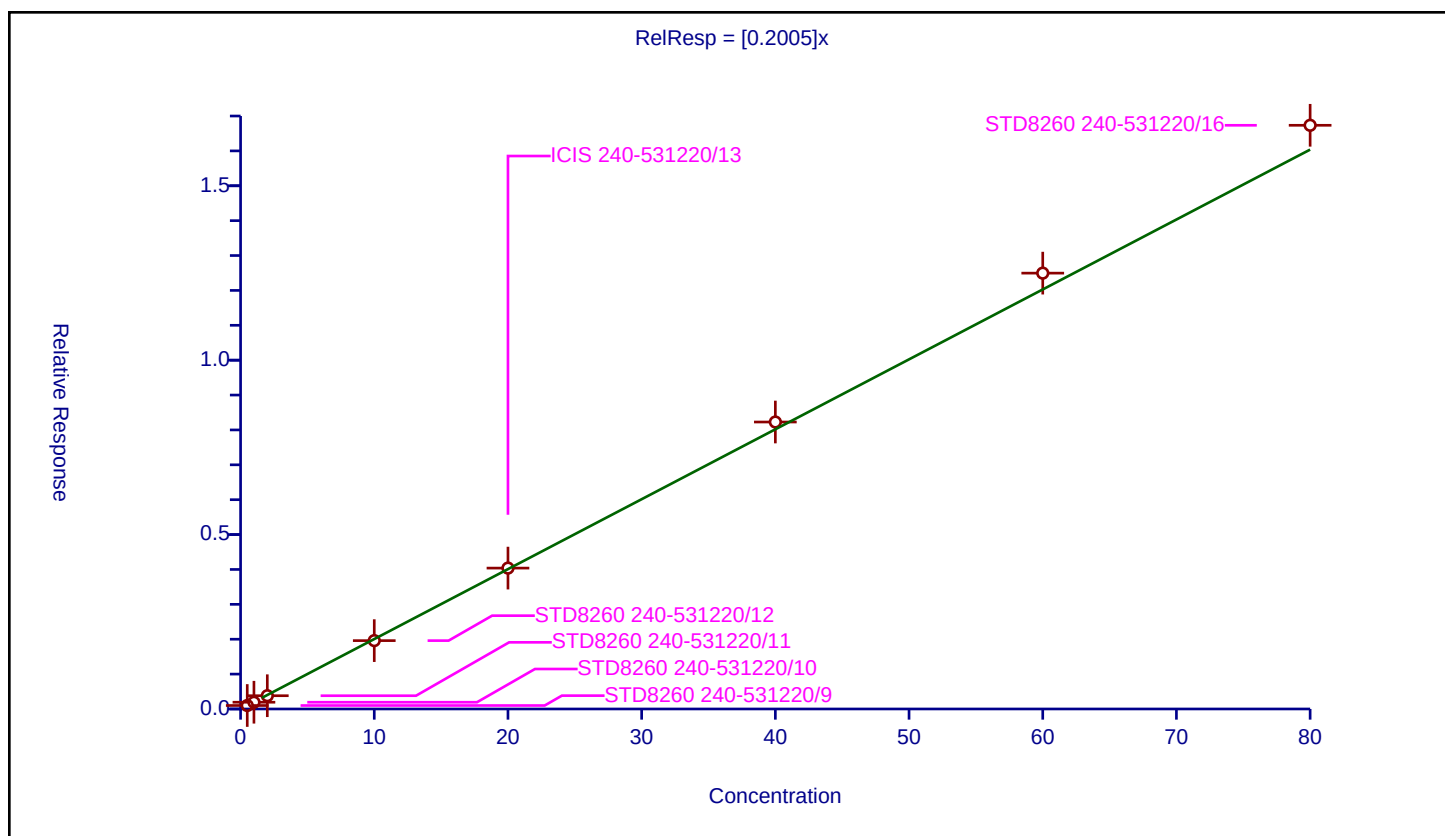
Curve Coefficients

Intercept: 0
Slope: 0.2005

Error Coefficients

Standard Error: 447000
Relative Standard Error: 3.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.099466	20.0	940017.0	0.198933	Y
2	STD8260 240-531220/10	1.0	0.193663	20.0	1011549.0	0.193663	Y
3	STD8260 240-531220/11	2.0	0.380043	20.0	983573.0	0.190021	Y
4	STD8260 240-531220/12	10.0	1.960029	20.0	1018383.0	0.196003	Y
5	ICIS 240-531220/13	20.0	4.039408	20.0	1012688.0	0.20197	Y
6	STD8260 240-531220/14	40.0	8.227449	20.0	1043186.0	0.205686	Y
7	STD8260 240-531220/15	60.0	12.495153	20.0	1027981.0	0.208253	Y
8	STD8260 240-531220/16	80.0	16.734122	20.0	1035752.0	0.209177	Y



Calibration

/ 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

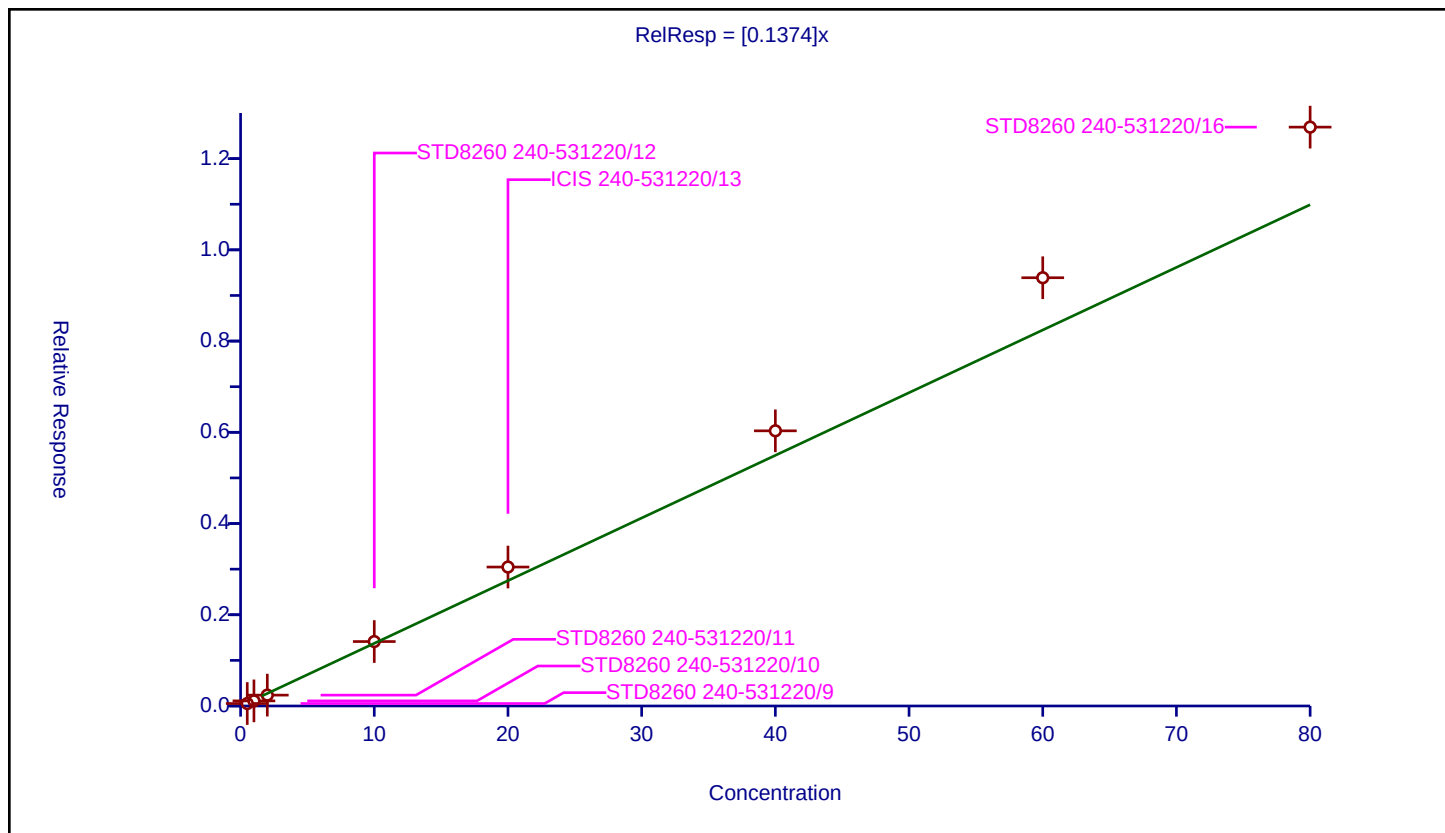
Curve Coefficients

Intercept: 0
Slope: 0.1374

Error Coefficients

Standard Error: 337000
Relative Standard Error: 15.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.054084	20.0	940017.0	0.108168	Y
2	STD8260 240-531220/10	1.0	0.112066	20.0	1011549.0	0.112066	Y
3	STD8260 240-531220/11	2.0	0.238335	20.0	983573.0	0.119168	Y
4	STD8260 240-531220/12	10.0	1.412946	20.0	1018383.0	0.141295	Y
5	ICIS 240-531220/13	20.0	3.046348	20.0	1012688.0	0.152317	Y
6	STD8260 240-531220/14	40.0	6.03252	20.0	1043186.0	0.150813	Y
7	STD8260 240-531220/15	60.0	9.388909	20.0	1027981.0	0.156482	Y
8	STD8260 240-531220/16	80.0	12.690644	20.0	1035752.0	0.158633	Y



Calibration

/ Acetone

Curve Type: Linear
Weighting: Conc
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

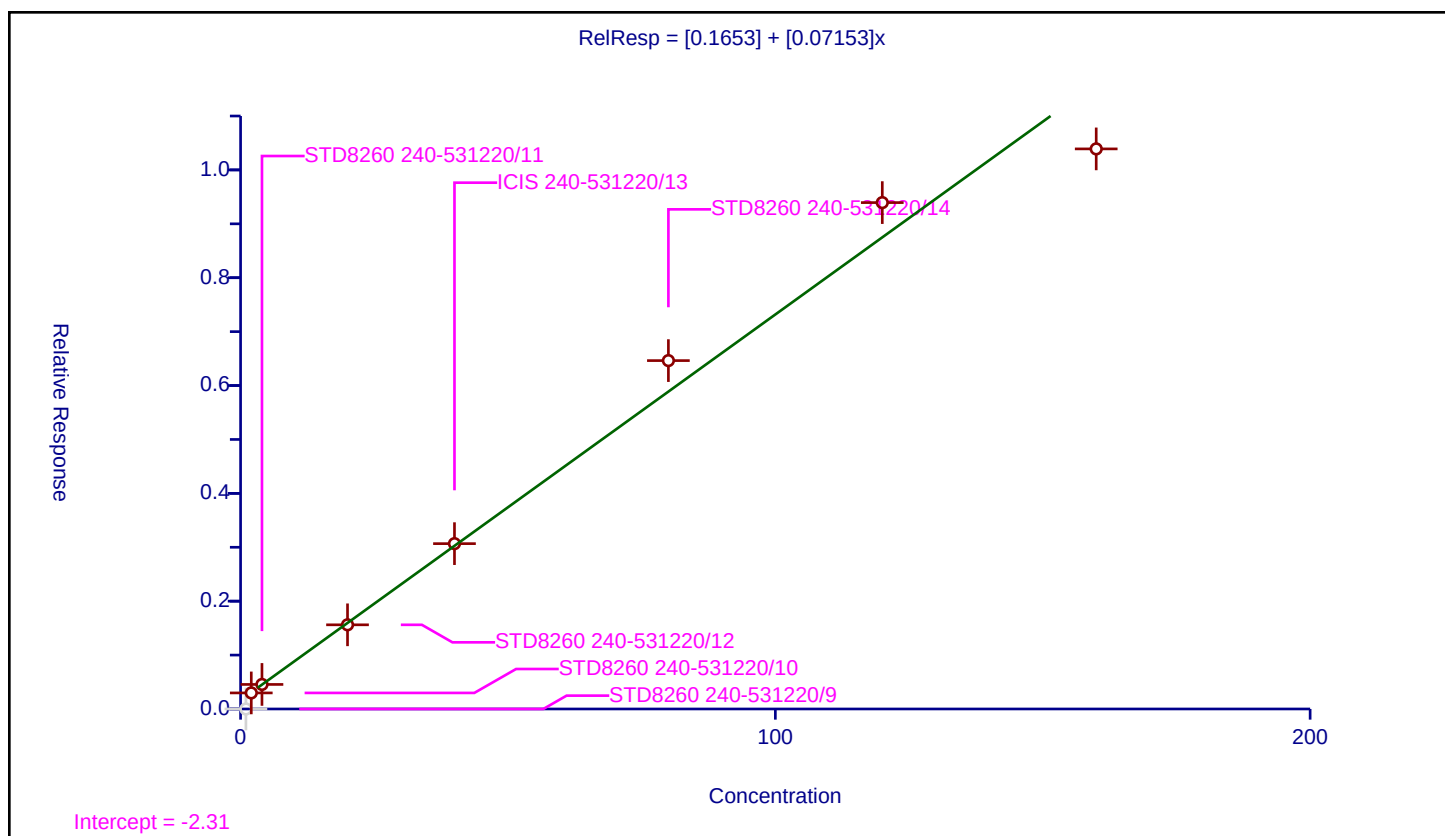
Curve Coefficients

Intercept: 0.1653
Slope: 0.07153

Error Coefficients

Standard Error: 365000
Relative Standard Error: 8.2
Correlation Coefficient: 0.981
Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	1.0	0.0	20.0	940017.0	0.0	N
2	STD8260 240-531220/10	2.0	0.297801	20.0	1011549.0	0.1489	Y
3	STD8260 240-531220/11	4.0	0.455523	20.0	983573.0	0.113881	Y
4	STD8260 240-531220/12	20.0	1.561691	20.0	1018383.0	0.078085	Y
5	ICIS 240-531220/13	40.0	3.067401	20.0	1012688.0	0.076685	Y
6	STD8260 240-531220/14	80.0	6.462932	20.0	1043186.0	0.080787	Y
7	STD8260 240-531220/15	120.0	9.39352	20.0	1027981.0	0.078279	Y
8	STD8260 240-531220/16	160.0	10.389939	20.0	1035752.0	0.064937	Y



Calibration

/ Iodomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

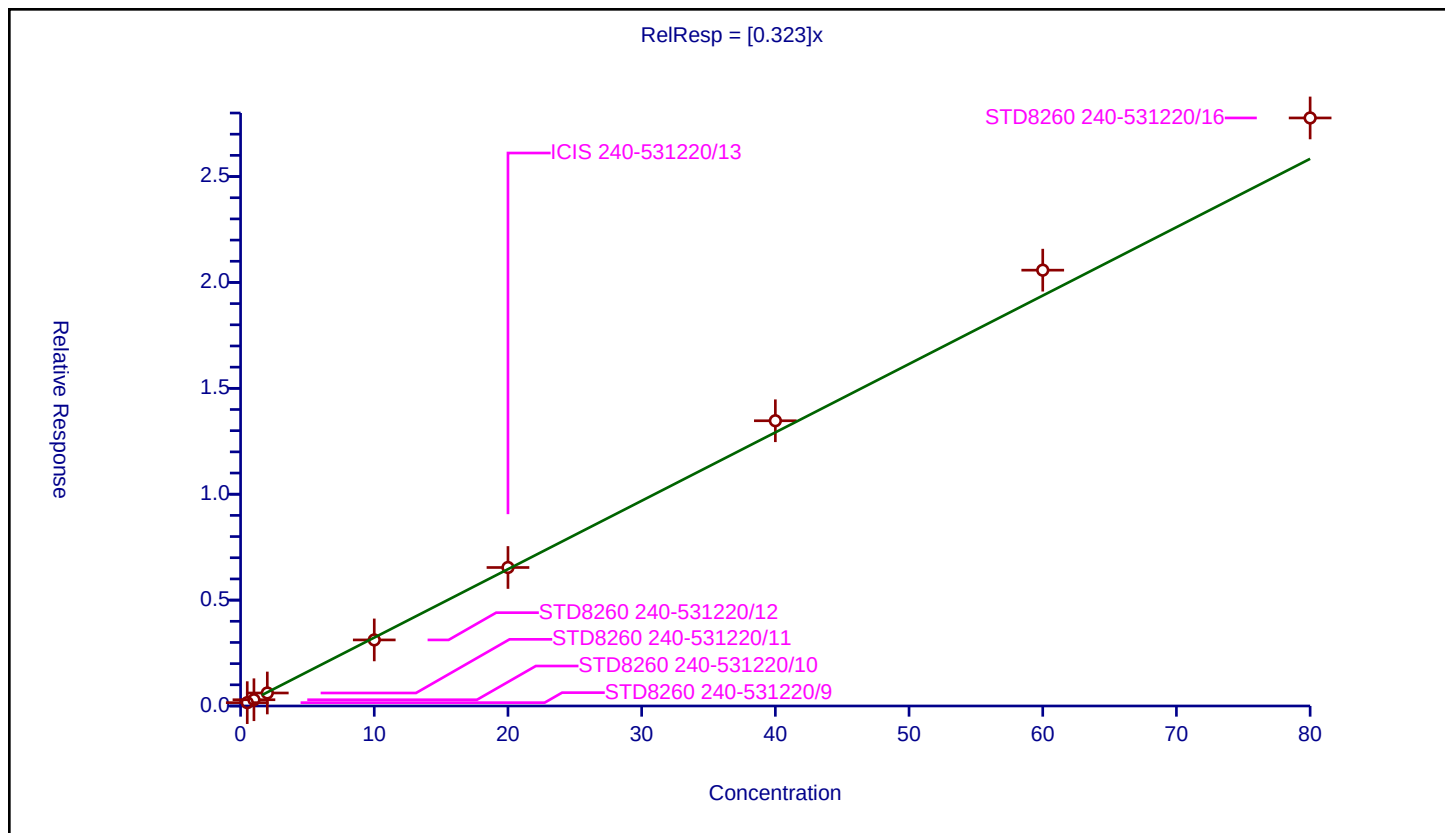
Curve Coefficients

Intercept: 0
 Slope: 0.323

Error Coefficients

Standard Error: 738000
 Relative Standard Error: 5.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.157763	20.0	940017.0	0.315526	Y
2	STD8260 240-531220/10	1.0	0.295547	20.0	1011549.0	0.295547	Y
3	STD8260 240-531220/11	2.0	0.613925	20.0	983573.0	0.306962	Y
4	STD8260 240-531220/12	10.0	3.119239	20.0	1018383.0	0.311924	Y
5	ICIS 240-531220/13	20.0	6.540119	20.0	1012688.0	0.327006	Y
6	STD8260 240-531220/14	40.0	13.468605	20.0	1043186.0	0.336715	Y
7	STD8260 240-531220/15	60.0	20.579447	20.0	1027981.0	0.342991	Y
8	STD8260 240-531220/16	80.0	27.766666	20.0	1035752.0	0.347083	Y



Calibration

/ Carbon disulfide

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

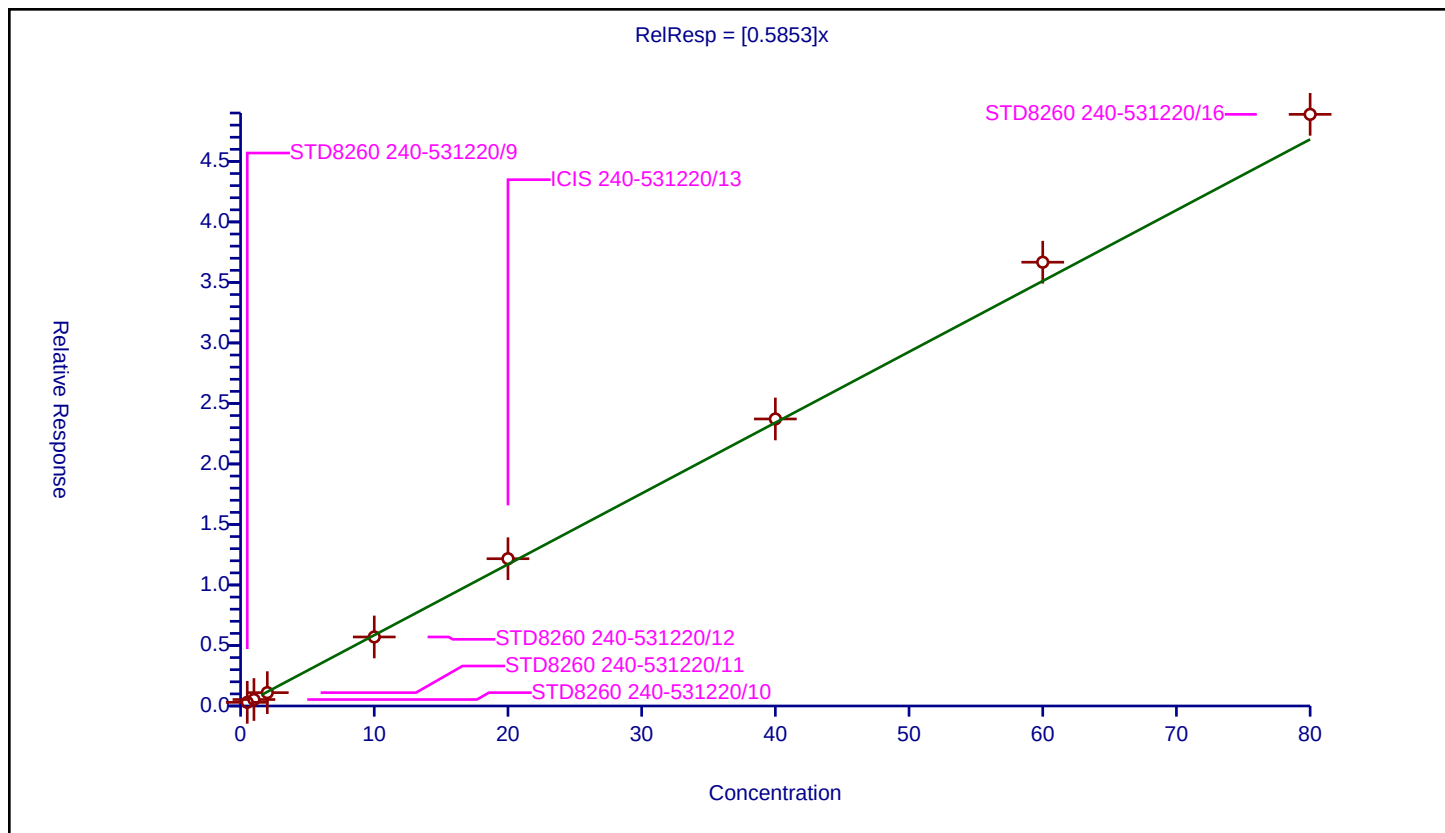
Curve Coefficients

Intercept: 0
 Slope: 0.5853

Error Coefficients

Standard Error: 1310000
 Relative Standard Error: 5.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.301569	20.0	940017.0	0.603138	Y
2	STD8260 240-531220/10	1.0	0.534072	20.0	1011549.0	0.534072	Y
3	STD8260 240-531220/11	2.0	1.102389	20.0	983573.0	0.551194	Y
4	STD8260 240-531220/12	10.0	5.703218	20.0	1018383.0	0.570322	Y
5	ICIS 240-531220/13	20.0	12.170165	20.0	1012688.0	0.608508	Y
6	STD8260 240-531220/14	40.0	23.718148	20.0	1043186.0	0.592954	Y
7	STD8260 240-531220/15	60.0	36.670639	20.0	1027981.0	0.611177	Y
8	STD8260 240-531220/16	80.0	48.890043	20.0	1035752.0	0.611126	Y



Calibration

/ Methyl acetate

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

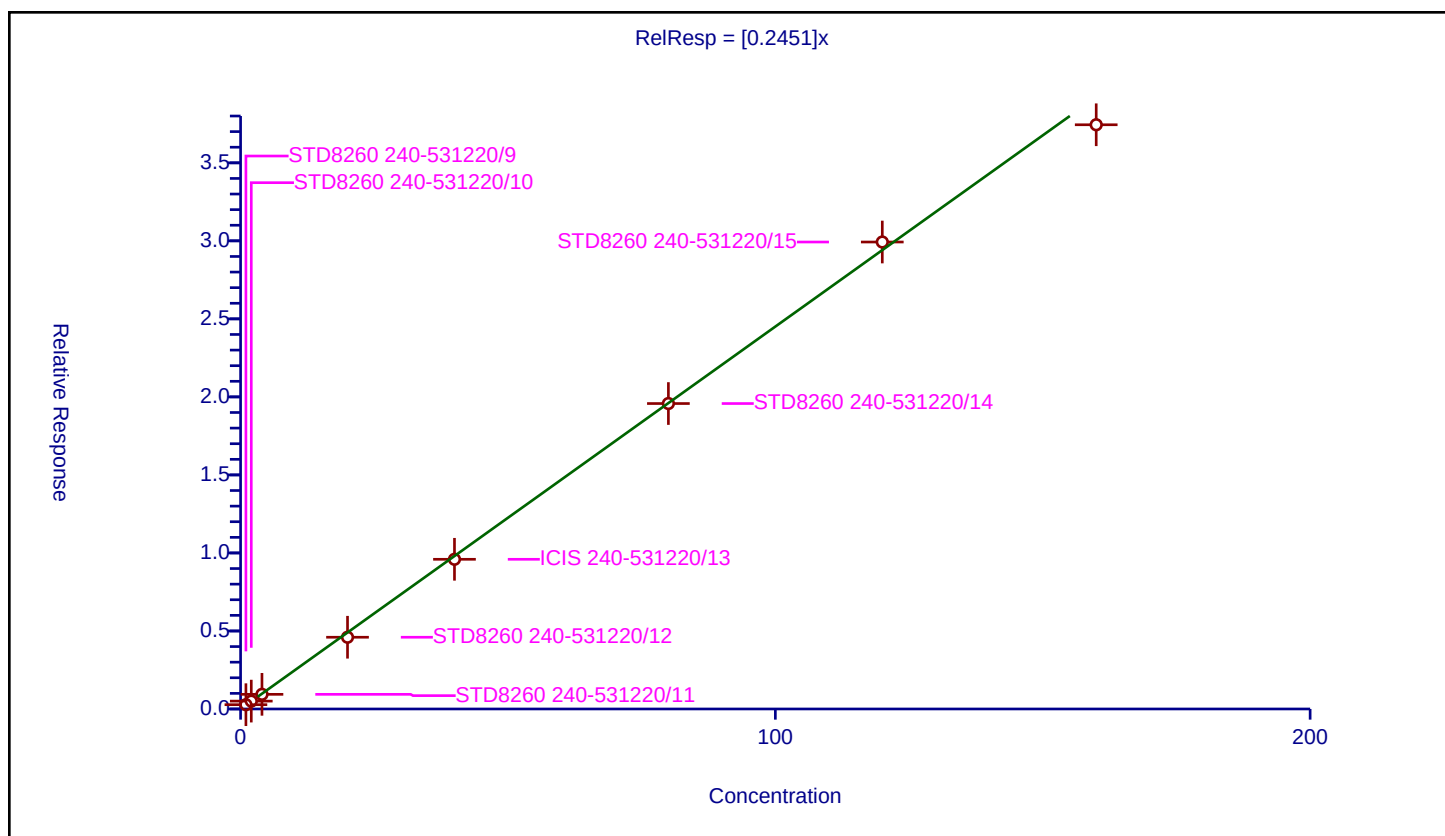
Curve Coefficients

Intercept: 0
 Slope: 0.2451

Error Coefficients

Standard Error: 1030000
 Relative Standard Error: 5.9
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	1.0	0.275293	20.0	940017.0	0.275293	Y
2	STD8260 240-531220/10	2.0	0.505383	20.0	1011549.0	0.252692	Y
3	STD8260 240-531220/11	4.0	0.938802	20.0	983573.0	0.2347	Y
4	STD8260 240-531220/12	20.0	4.59772	20.0	1018383.0	0.229886	Y
5	ICIS 240-531220/13	40.0	9.592214	20.0	1012688.0	0.239805	Y
6	STD8260 240-531220/14	80.0	19.575397	20.0	1043186.0	0.244692	Y
7	STD8260 240-531220/15	120.0	29.924872	20.0	1027981.0	0.249374	Y
8	STD8260 240-531220/16	160.0	37.440121	20.0	1035752.0	0.234001	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

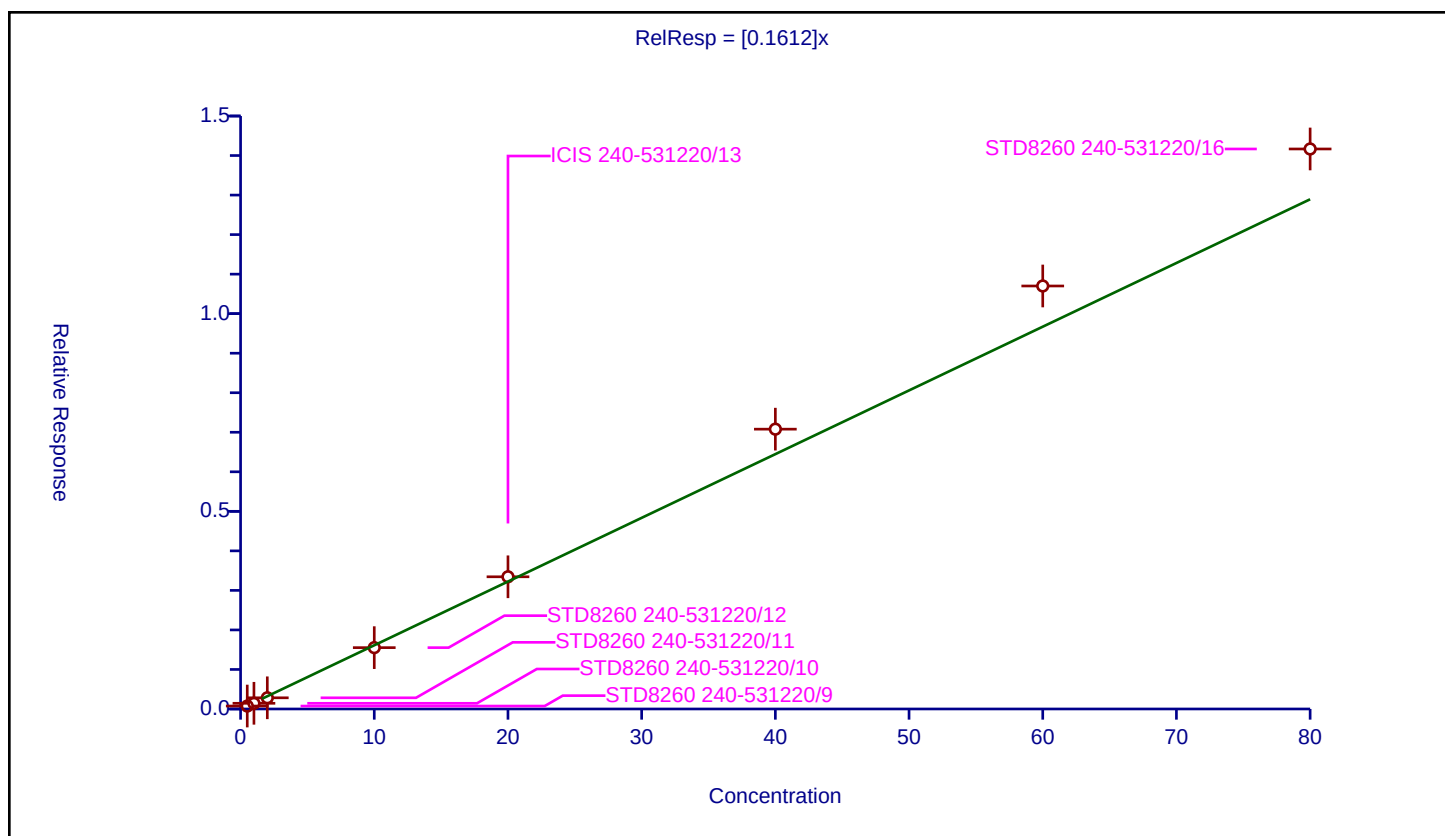
Curve Coefficients

Intercept: 0
Slope: 0.1612

Error Coefficients

Standard Error: 380000
Relative Standard Error: 9.7
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.074786	20.0	940017.0	0.149572	Y
2	STD8260 240-531220/10	1.0	0.143681	20.0	1011549.0	0.143681	Y
3	STD8260 240-531220/11	2.0	0.282704	20.0	983573.0	0.141352	Y
4	STD8260 240-531220/12	10.0	1.551518	20.0	1018383.0	0.155152	Y
5	ICIS 240-531220/13	20.0	3.344386	20.0	1012688.0	0.167219	Y
6	STD8260 240-531220/14	40.0	7.078239	20.0	1043186.0	0.176956	Y
7	STD8260 240-531220/15	60.0	10.700334	20.0	1027981.0	0.178339	Y
8	STD8260 240-531220/16	80.0	14.166461	20.0	1035752.0	0.177081	Y



Calibration

/ Methylene Chloride

Curve Type: Linear
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

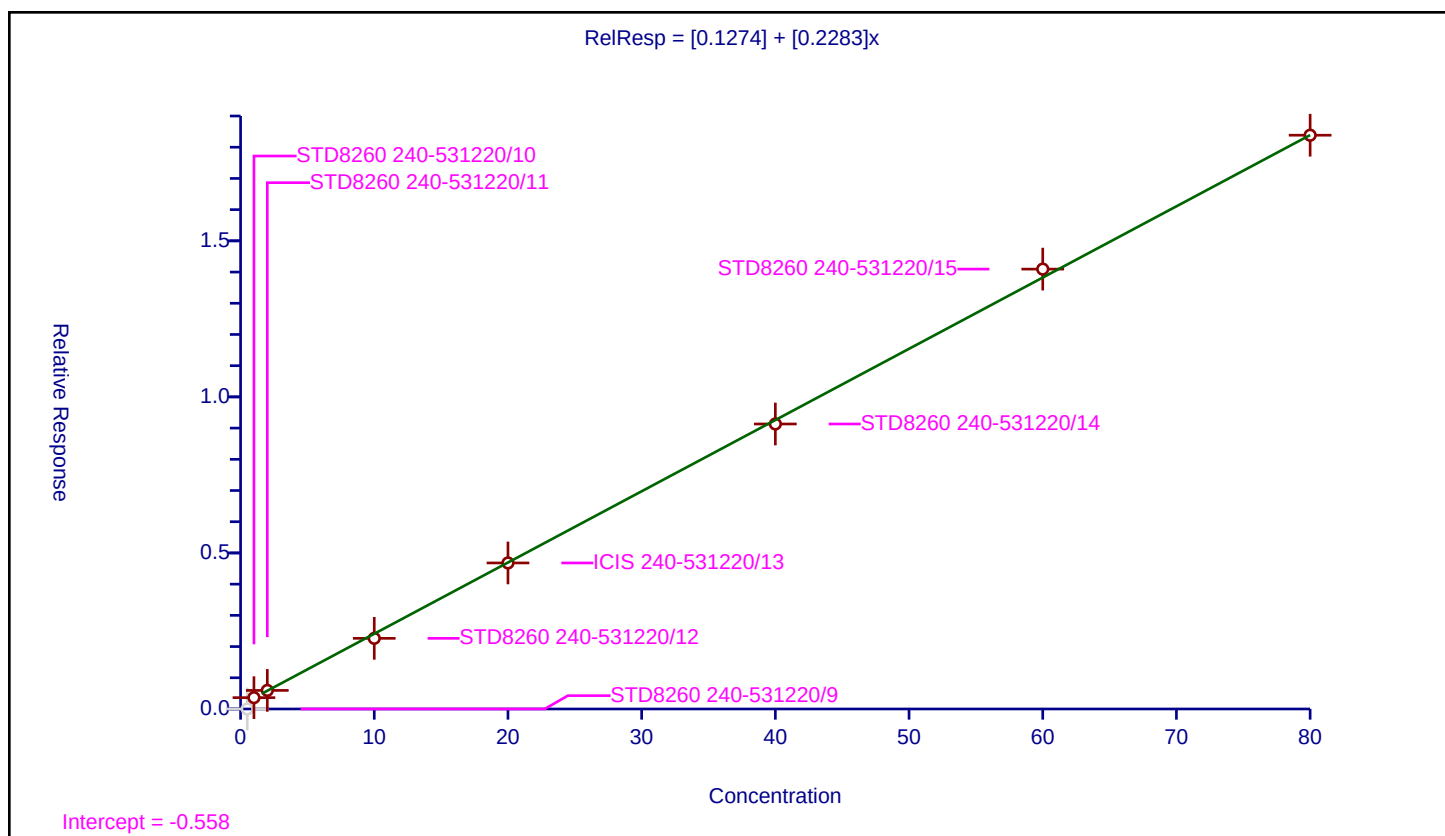
Curve Coefficients

Intercept: 0.1274
 Slope: 0.2283

Error Coefficients

Standard Error: 588000
 Relative Standard Error: 3.6
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.0	20.0	940017.0	0.0	N
2	STD8260 240-531220/10	1.0	0.363878	20.0	1011549.0	0.363878	Y
3	STD8260 240-531220/11	2.0	0.595543	20.0	983573.0	0.297771	Y
4	STD8260 240-531220/12	10.0	2.263569	20.0	1018383.0	0.226357	Y
5	ICIS 240-531220/13	20.0	4.679032	20.0	1012688.0	0.233952	Y
6	STD8260 240-531220/14	40.0	9.131718	20.0	1043186.0	0.228293	Y
7	STD8260 240-531220/15	60.0	14.094969	20.0	1027981.0	0.234916	Y
8	STD8260 240-531220/16	80.0	18.384922	20.0	1035752.0	0.229812	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

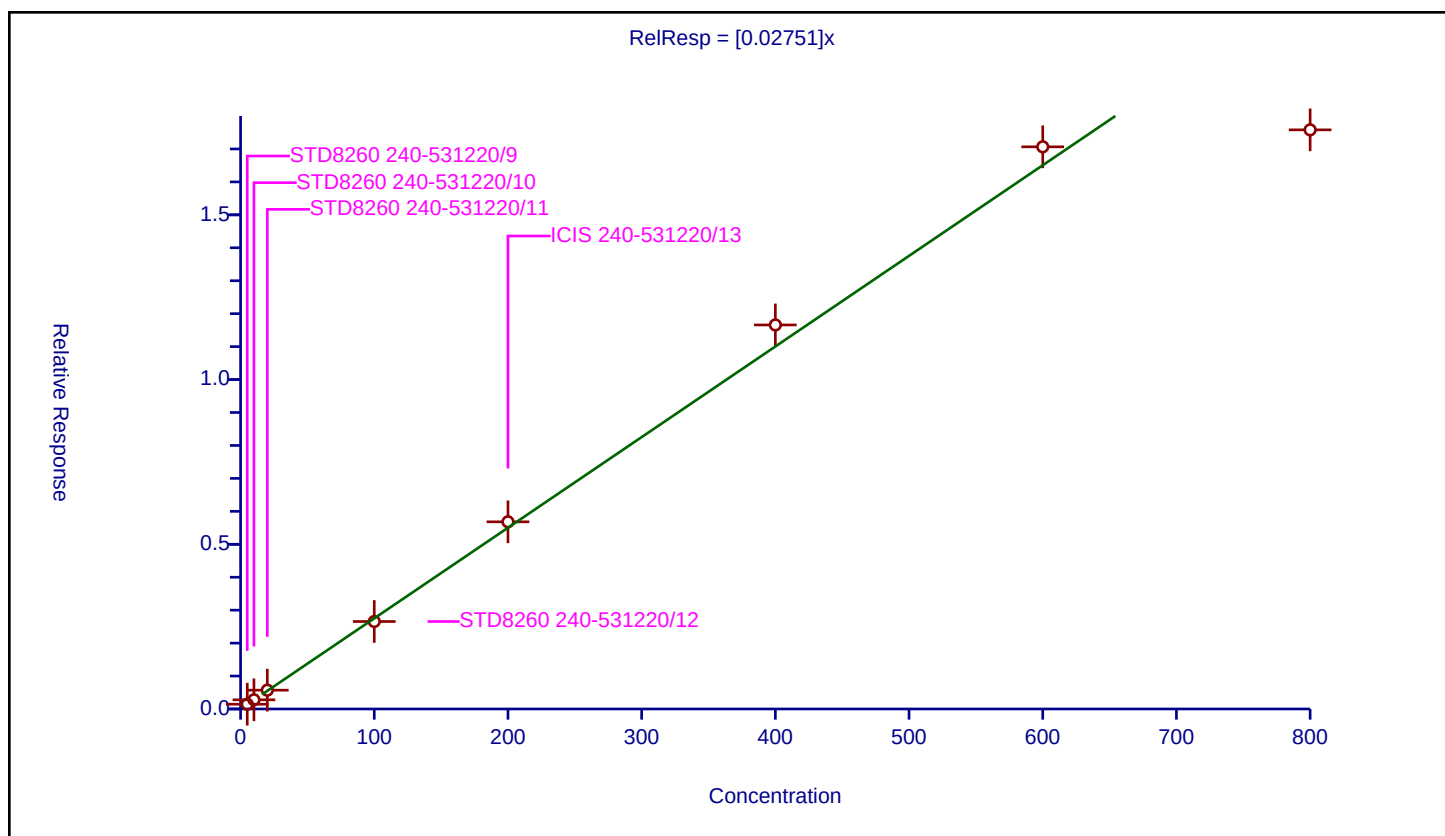
Curve Coefficients

Intercept: 0
Slope: 0.02751

Error Coefficients

Standard Error: 544000
Relative Standard Error: 8.6
Correlation Coefficient: 0.969
Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	5.0	0.14538	20.0	940017.0	0.029076	Y
2	STD8260 240-531220/10	10.0	0.279156	20.0	1011549.0	0.027916	Y
3	STD8260 240-531220/11	20.0	0.571223	20.0	983573.0	0.028561	Y
4	STD8260 240-531220/12	100.0	2.655111	20.0	1018383.0	0.026551	Y
5	ICIS 240-531220/13	200.0	5.681473	20.0	1012688.0	0.028407	Y
6	STD8260 240-531220/14	400.0	11.657959	20.0	1043186.0	0.029145	Y
7	STD8260 240-531220/15	600.0	17.064771	20.0	1027981.0	0.028441	Y
8	STD8260 240-531220/16	800.0	17.579652	20.0	1035752.0	0.021975	Y



Calibration

/ Acrylonitrile

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

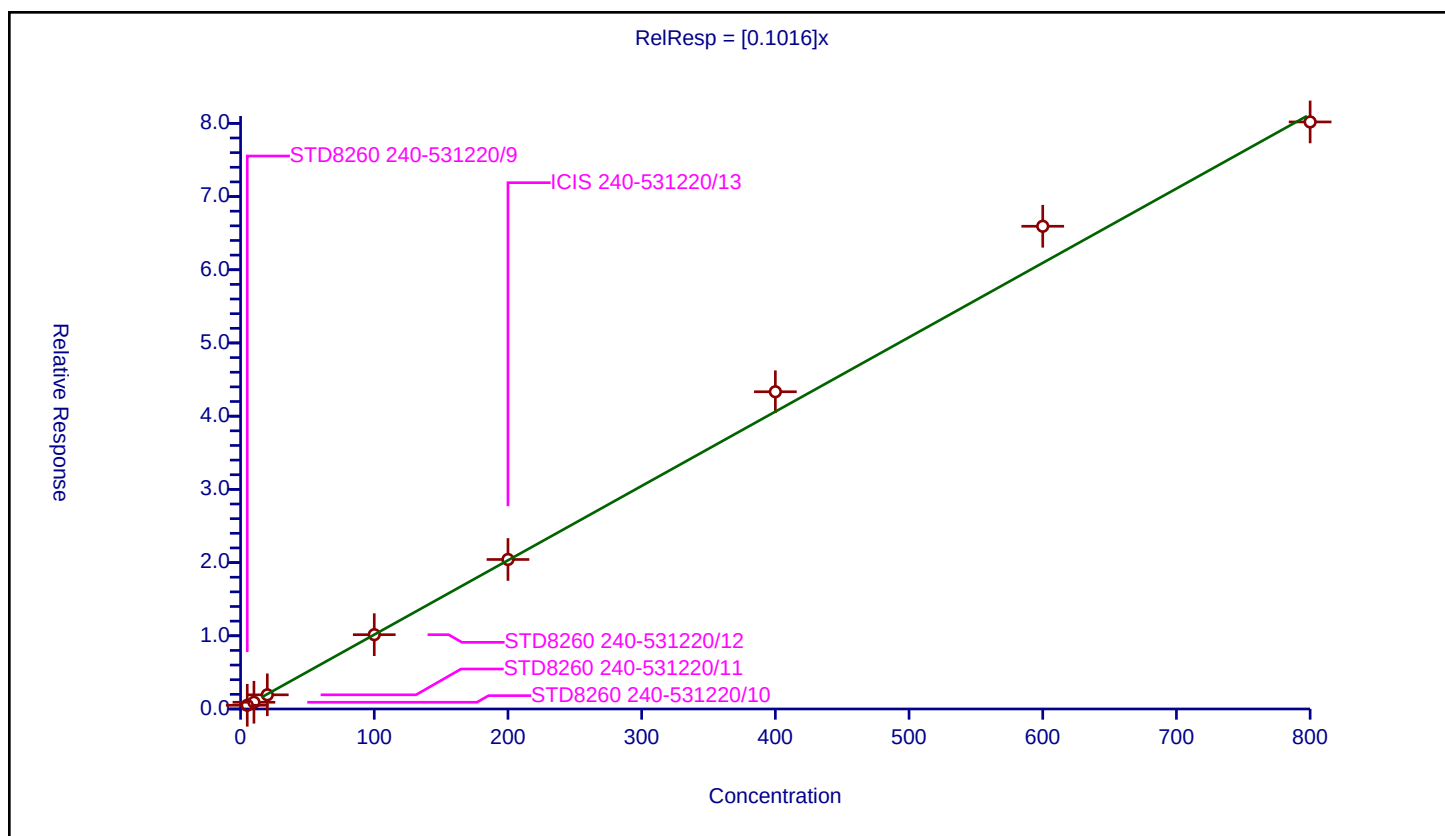
Curve Coefficients

Intercept: 0
Slope: 0.1016

Error Coefficients

Standard Error: 2240000
Relative Standard Error: 5.7
Correlation Coefficient: 0.997
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	5.0	0.508544	20.0	940017.0	0.101709	Y
2	STD8260 240-531220/10	10.0	0.918057	20.0	1011549.0	0.091806	Y
3	STD8260 240-531220/11	20.0	1.936043	20.0	983573.0	0.096802	Y
4	STD8260 240-531220/12	100.0	10.151151	20.0	1018383.0	0.101512	Y
5	ICIS 240-531220/13	200.0	20.420919	20.0	1012688.0	0.102105	Y
6	STD8260 240-531220/14	400.0	43.335743	20.0	1043186.0	0.108339	Y
7	STD8260 240-531220/15	600.0	65.939623	20.0	1027981.0	0.109899	Y
8	STD8260 240-531220/16	800.0	80.192382	20.0	1035752.0	0.10024	Y



Calibration

/ Methyl tert-butyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

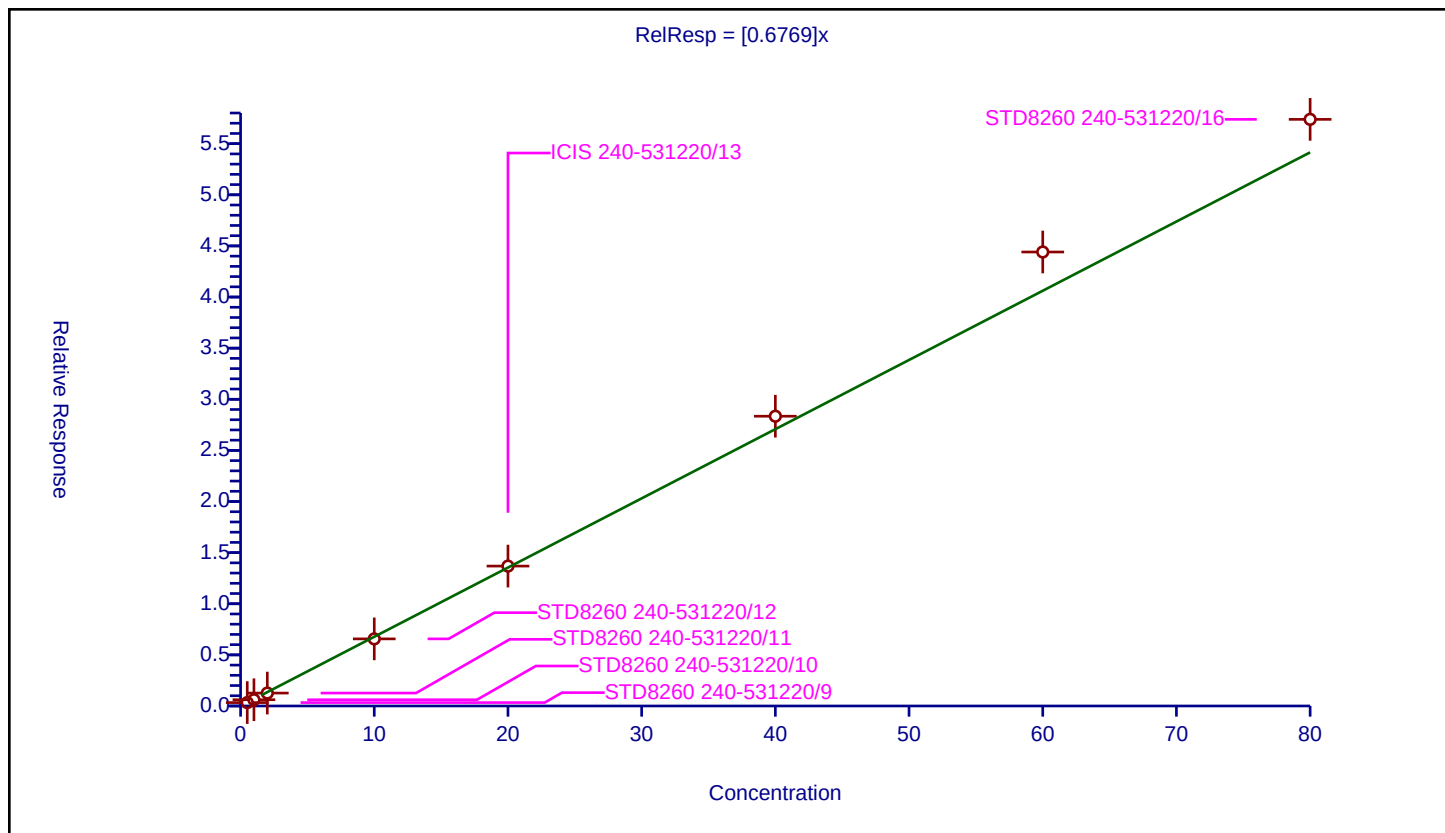
Curve Coefficients

Intercept: 0
Slope: 0.6769

Error Coefficients

Standard Error: 1550000
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	STD8260 240-531220/9	0.5	0.33276	20.0	940017.0	0.66552	Y
2	STD8260 240-531220/10	1.0	0.611399	20.0	1011549.0	0.611399	Y
3	STD8260 240-531220/11	2.0	1.263353	20.0	983573.0	0.631677	Y
4	STD8260 240-531220/12	10.0	6.563601	20.0	1018383.0	0.65636	Y
5	ICIS 240-531220/13	20.0	13.683701	20.0	1012688.0	0.684185	Y
6	STD8260 240-531220/14	40.0	28.343133	20.0	1043186.0	0.708578	Y
7	STD8260 240-531220/15	60.0	44.405782	20.0	1027981.0	0.740096	Y
8	STD8260 240-531220/16	80.0	57.378929	20.0	1035752.0	0.717237	Y



Calibration

/ trans-1,2-Dichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

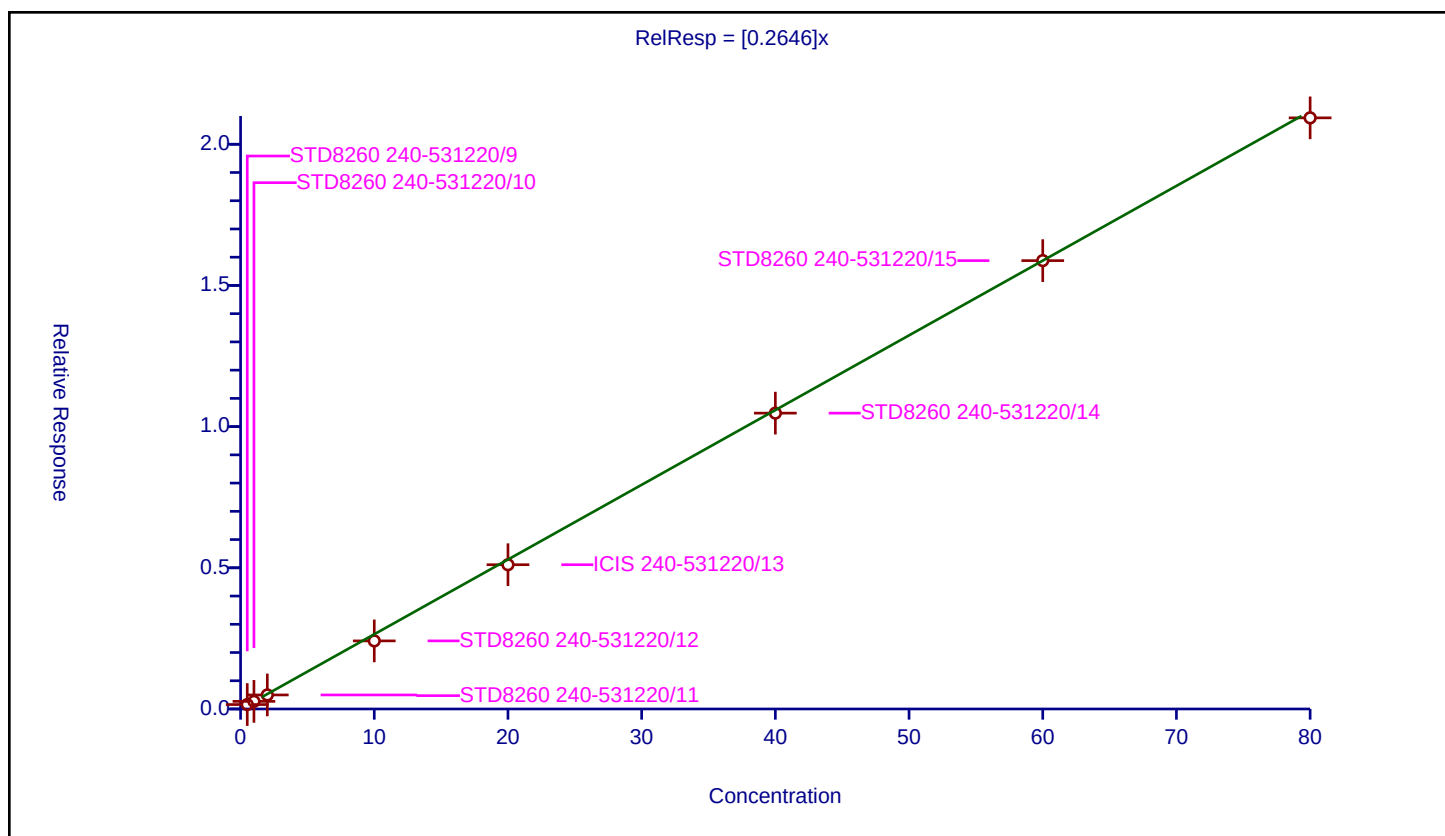
Curve Coefficients

Intercept: 0
Slope: 0.2646

Error Coefficients

Standard Error: 564000
Relative Standard Error: 8.3
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.157082	20.0	940017.0	0.314165	Y
2	STD8260 240-531220/10	1.0	0.269448	20.0	1011549.0	0.269448	Y
3	STD8260 240-531220/11	2.0	0.497228	20.0	983573.0	0.248614	Y
4	STD8260 240-531220/12	10.0	2.411391	20.0	1018383.0	0.241139	Y
5	ICIS 240-531220/13	20.0	5.109372	20.0	1012688.0	0.255469	Y
6	STD8260 240-531220/14	40.0	10.477211	20.0	1043186.0	0.26193	Y
7	STD8260 240-531220/15	60.0	15.878795	20.0	1027981.0	0.264647	Y
8	STD8260 240-531220/16	80.0	20.934934	20.0	1035752.0	0.261687	Y



Calibration

/ Hexane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

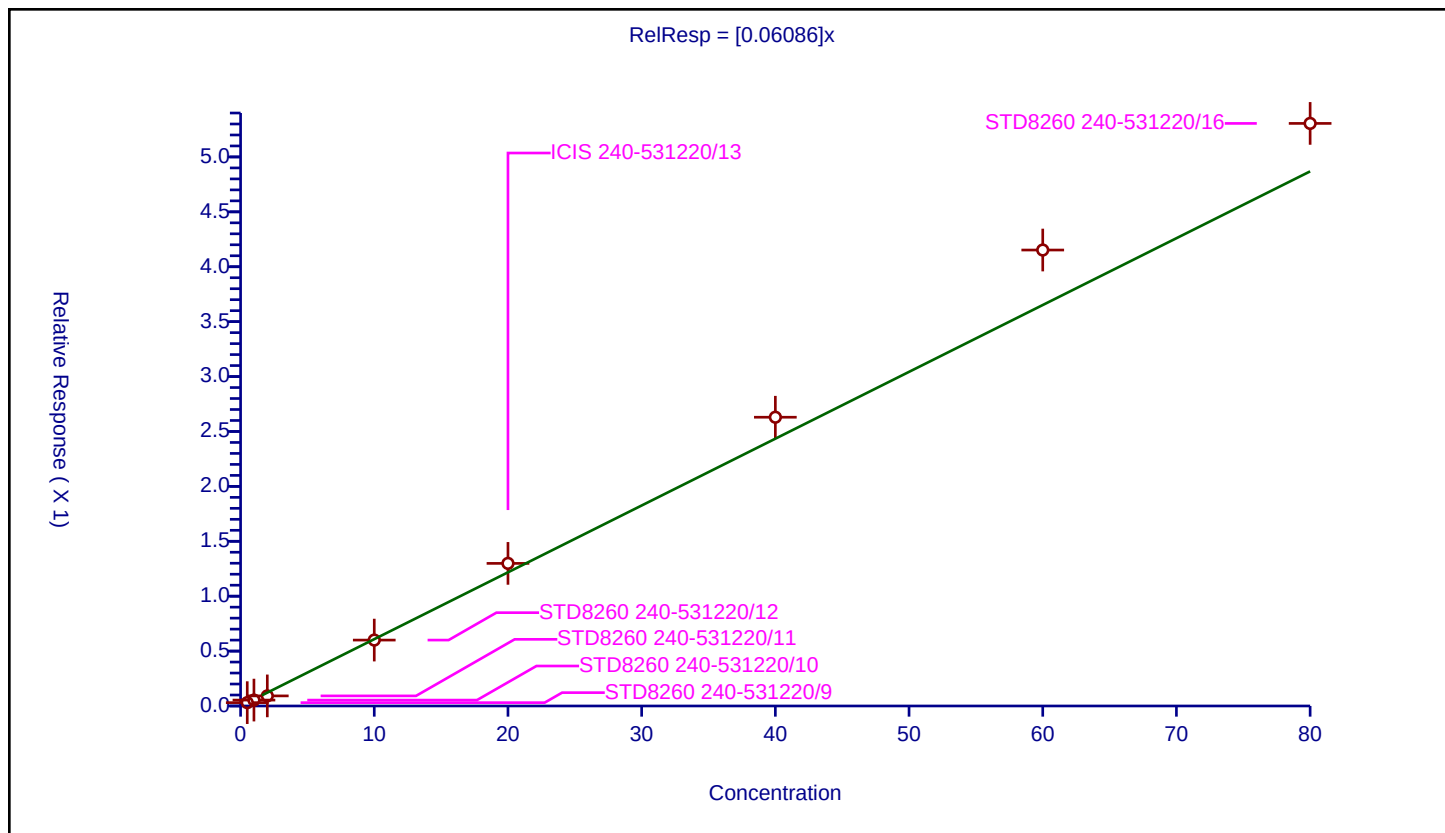
Curve Coefficients

Intercept: 0
 Slope: 0.06086

Error Coefficients

Standard Error: 144000
 Relative Standard Error: 12.6
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.030425	20.0	940017.0	0.06085	Y
2	STD8260 240-531220/10	1.0	0.053838	20.0	1011549.0	0.053838	Y
3	STD8260 240-531220/11	2.0	0.091849	20.0	983573.0	0.045924	Y
4	STD8260 240-531220/12	10.0	0.600305	20.0	1018383.0	0.06003	Y
5	ICIS 240-531220/13	20.0	1.298682	20.0	1012688.0	0.064934	Y
6	STD8260 240-531220/14	40.0	2.629713	20.0	1043186.0	0.065743	Y
7	STD8260 240-531220/15	60.0	4.152295	20.0	1027981.0	0.069205	Y
8	STD8260 240-531220/16	80.0	5.305324	20.0	1035752.0	0.066317	Y



Calibration

/ Vinyl acetate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

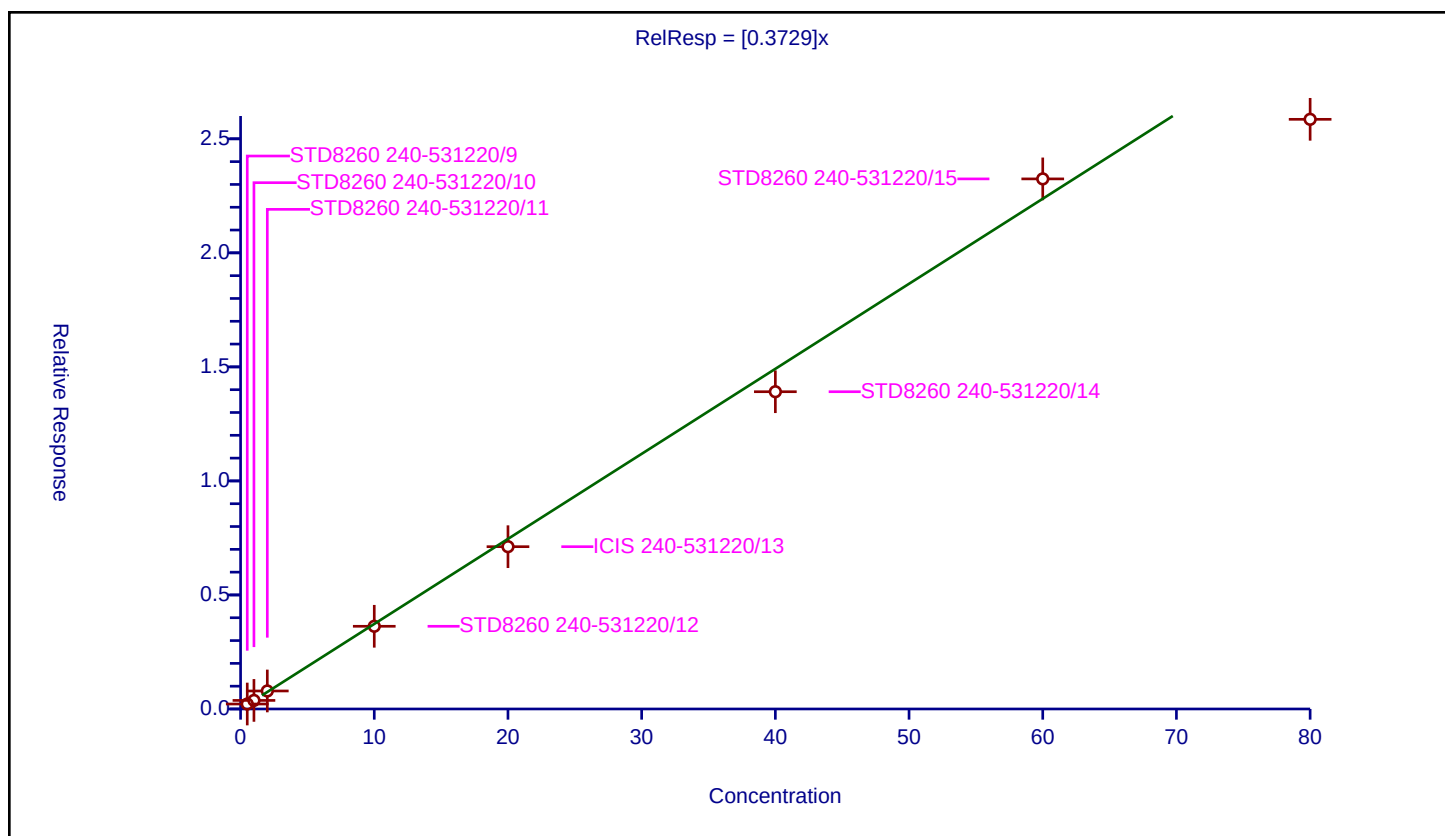
Curve Coefficients

Intercept: 0
Slope: 0.3729

Error Coefficients

Standard Error: 748000
Relative Standard Error: 9.1
Correlation Coefficient: 0.989
Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.217719	20.0	940017.0	0.435439	Y
2	STD8260 240-531220/10	1.0	0.375741	20.0	1011549.0	0.375741	Y
3	STD8260 240-531220/11	2.0	0.789896	20.0	983573.0	0.394948	Y
4	STD8260 240-531220/12	10.0	3.626514	20.0	1018383.0	0.362651	Y
5	ICIS 240-531220/13	20.0	7.11694	20.0	1012688.0	0.355847	Y
6	STD8260 240-531220/14	40.0	13.911134	20.0	1043186.0	0.347778	Y
7	STD8260 240-531220/15	60.0	23.24257	20.0	1027981.0	0.387376	Y
8	STD8260 240-531220/16	80.0	25.855282	20.0	1035752.0	0.323191	Y



Calibration

/ 1,1-Dichloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

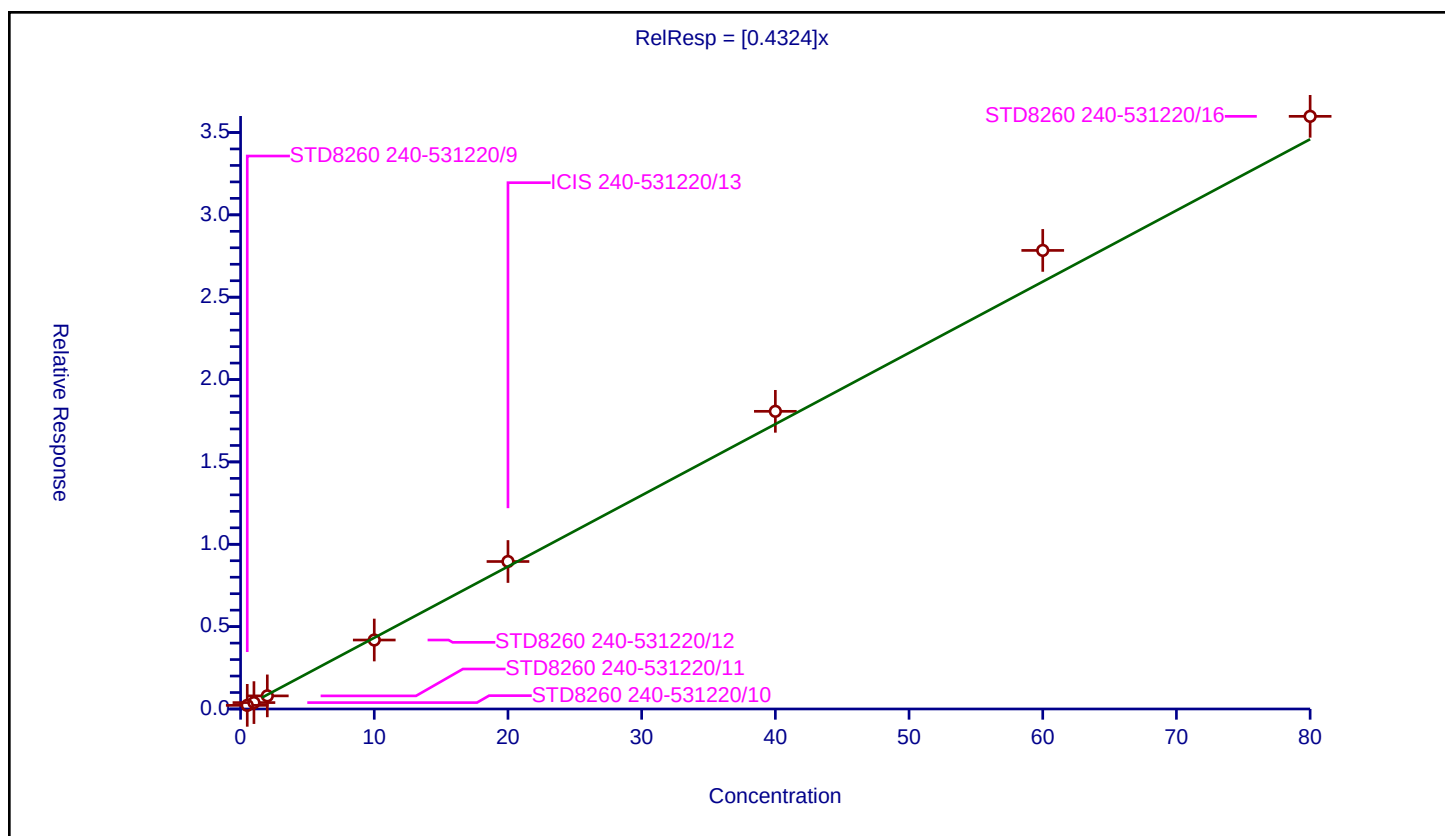
Curve Coefficients

Intercept: 0
Slope: 0.4324

Error Coefficients

Standard Error: 975000
Relative Standard Error: 6.4
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.220443	20.0	940017.0	0.440886	Y
2	STD8260 240-531220/10	1.0	0.388513	20.0	1011549.0	0.388513	Y
3	STD8260 240-531220/11	2.0	0.795203	20.0	983573.0	0.397601	Y
4	STD8260 240-531220/12	10.0	4.187678	20.0	1018383.0	0.418768	Y
5	ICIS 240-531220/13	20.0	8.953656	20.0	1012688.0	0.447683	Y
6	STD8260 240-531220/14	40.0	18.071159	20.0	1043186.0	0.451779	Y
7	STD8260 240-531220/15	60.0	27.840515	20.0	1027981.0	0.464009	Y
8	STD8260 240-531220/16	80.0	35.980795	20.0	1035752.0	0.44976	Y



Calibration

/ 2-Butanone (MEK)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

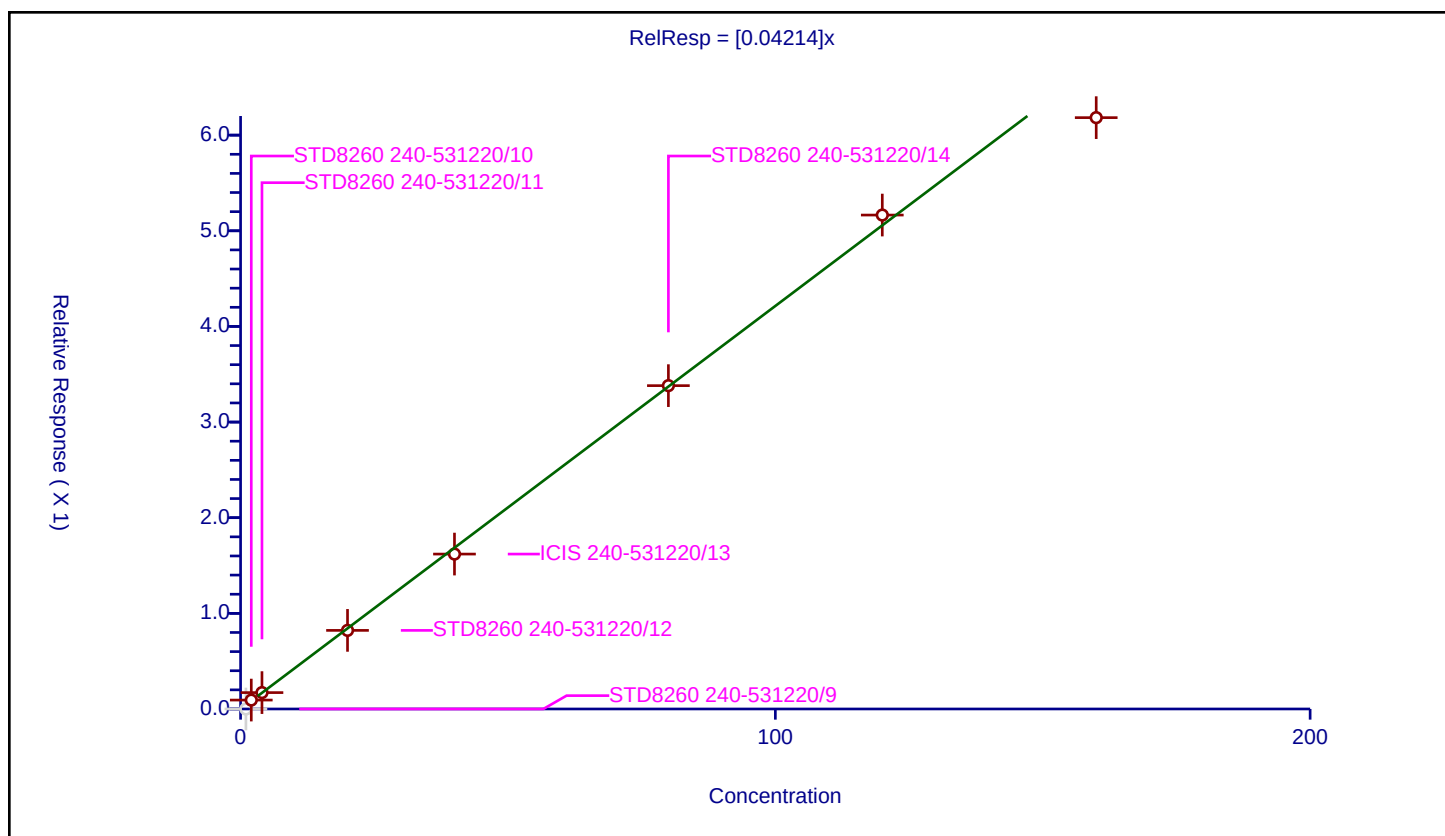
Curve Coefficients

Intercept: 0
Slope: 0.04214

Error Coefficients

Standard Error: 188000
Relative Standard Error: 5.9
Correlation Coefficient: 0.995
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	1.0	0.0	20.0	940017.0	0.0	N
2	STD8260 240-531220/10	2.0	0.093204	20.0	1011549.0	0.046602	Y
3	STD8260 240-531220/11	4.0	0.171375	20.0	983573.0	0.042844	Y
4	STD8260 240-531220/12	20.0	0.821695	20.0	1018383.0	0.041085	Y
5	ICIS 240-531220/13	40.0	1.619847	20.0	1012688.0	0.040496	Y
6	STD8260 240-531220/14	80.0	3.380874	20.0	1043186.0	0.042261	Y
7	STD8260 240-531220/15	120.0	5.164473	20.0	1027981.0	0.043037	Y
8	STD8260 240-531220/16	160.0	6.182986	20.0	1035752.0	0.038644	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

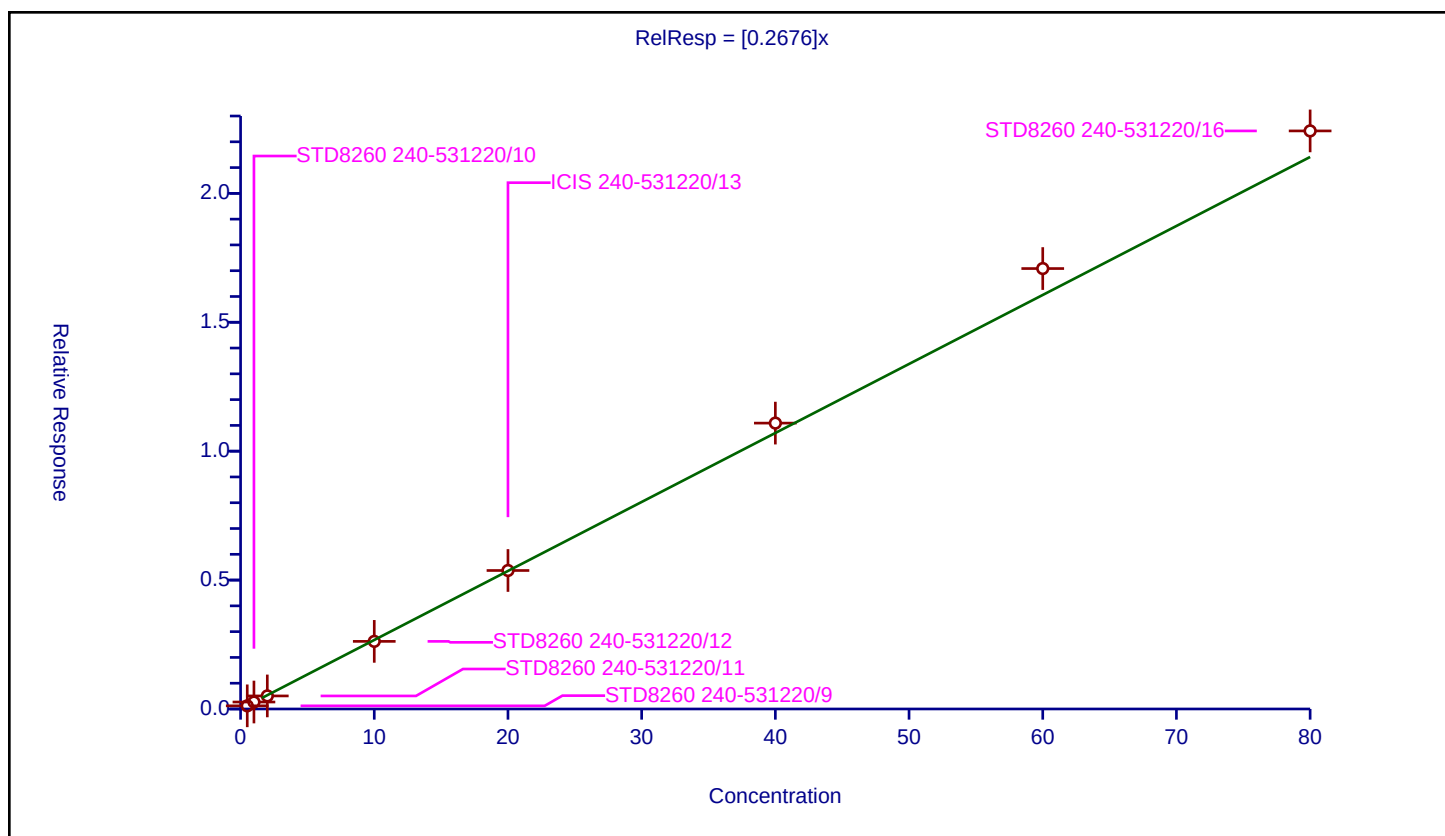
Curve Coefficients

Intercept: 0
Slope: 0.2676

Error Coefficients

Standard Error: 603000
Relative Standard Error: 5.1
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.122232	20.0	940017.0	0.244464	Y
2	STD8260 240-531220/10	1.0	0.270239	20.0	1011549.0	0.270239	Y
3	STD8260 240-531220/11	2.0	0.506622	20.0	983573.0	0.253311	Y
4	STD8260 240-531220/12	10.0	2.622707	20.0	1018383.0	0.262271	Y
5	ICIS 240-531220/13	20.0	5.371704	20.0	1012688.0	0.268585	Y
6	STD8260 240-531220/14	40.0	11.088243	20.0	1043186.0	0.277206	Y
7	STD8260 240-531220/15	60.0	17.084051	20.0	1027981.0	0.284734	Y
8	STD8260 240-531220/16	80.0	22.421873	20.0	1035752.0	0.280273	Y



Calibration

/ 2,2-Dichloropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

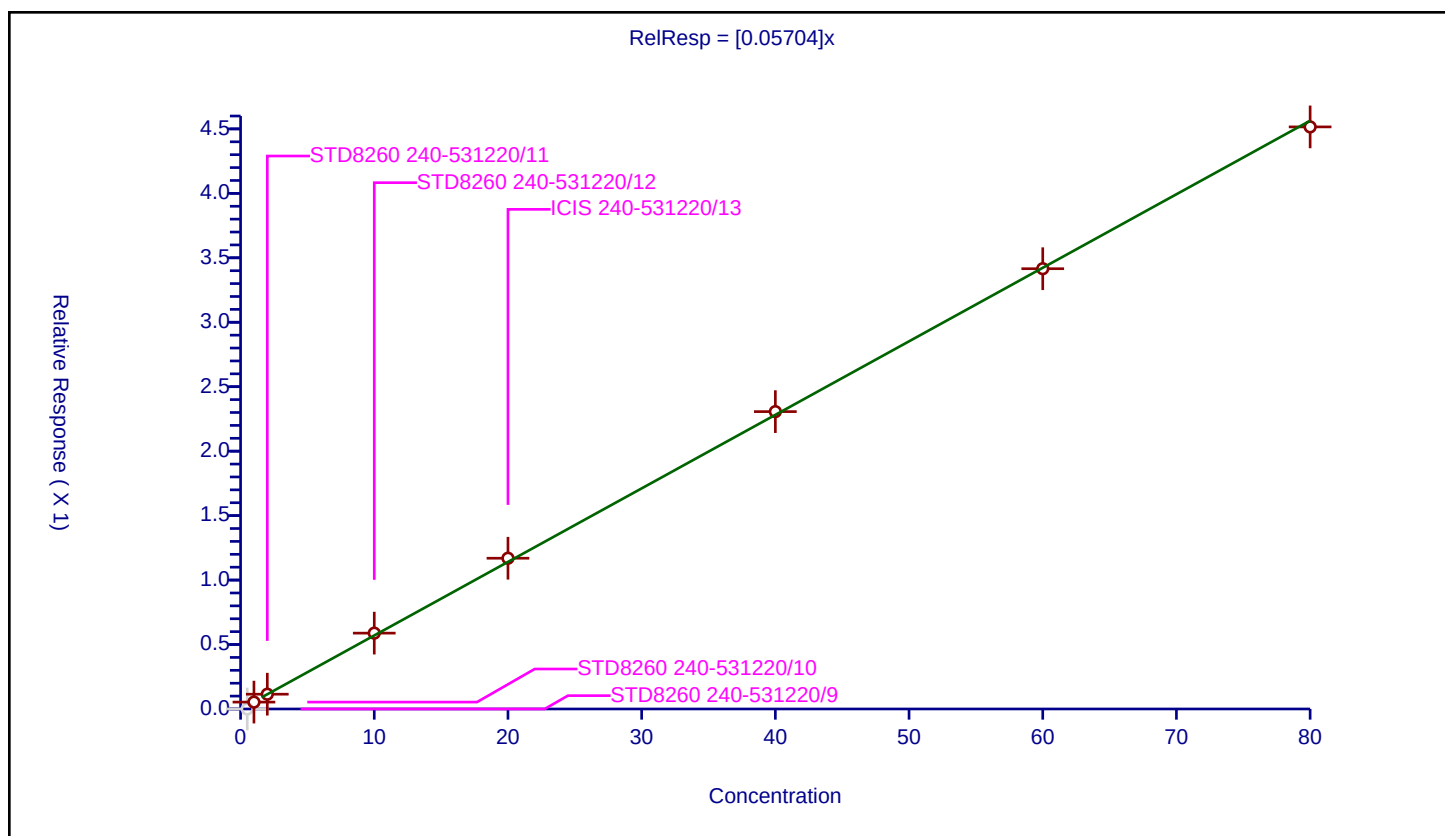
Curve Coefficients

Intercept: 0
Slope: 0.05704

Error Coefficients

Standard Error: 132000
Relative Standard Error: 3.1
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.0	20.0	940017.0	0.0	N
2	STD8260 240-531220/10	1.0	0.053561	20.0	1011549.0	0.053561	Y
3	STD8260 240-531220/11	2.0	0.114725	20.0	983573.0	0.057362	Y
4	STD8260 240-531220/12	10.0	0.588502	20.0	1018383.0	0.05885	Y
5	ICIS 240-531220/13	20.0	1.16958	20.0	1012688.0	0.058479	Y
6	STD8260 240-531220/14	40.0	2.306971	20.0	1043186.0	0.057674	Y
7	STD8260 240-531220/15	60.0	3.415511	20.0	1027981.0	0.056925	Y
8	STD8260 240-531220/16	80.0	4.515598	20.0	1035752.0	0.056445	Y



Calibration

/ Chlorobromomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

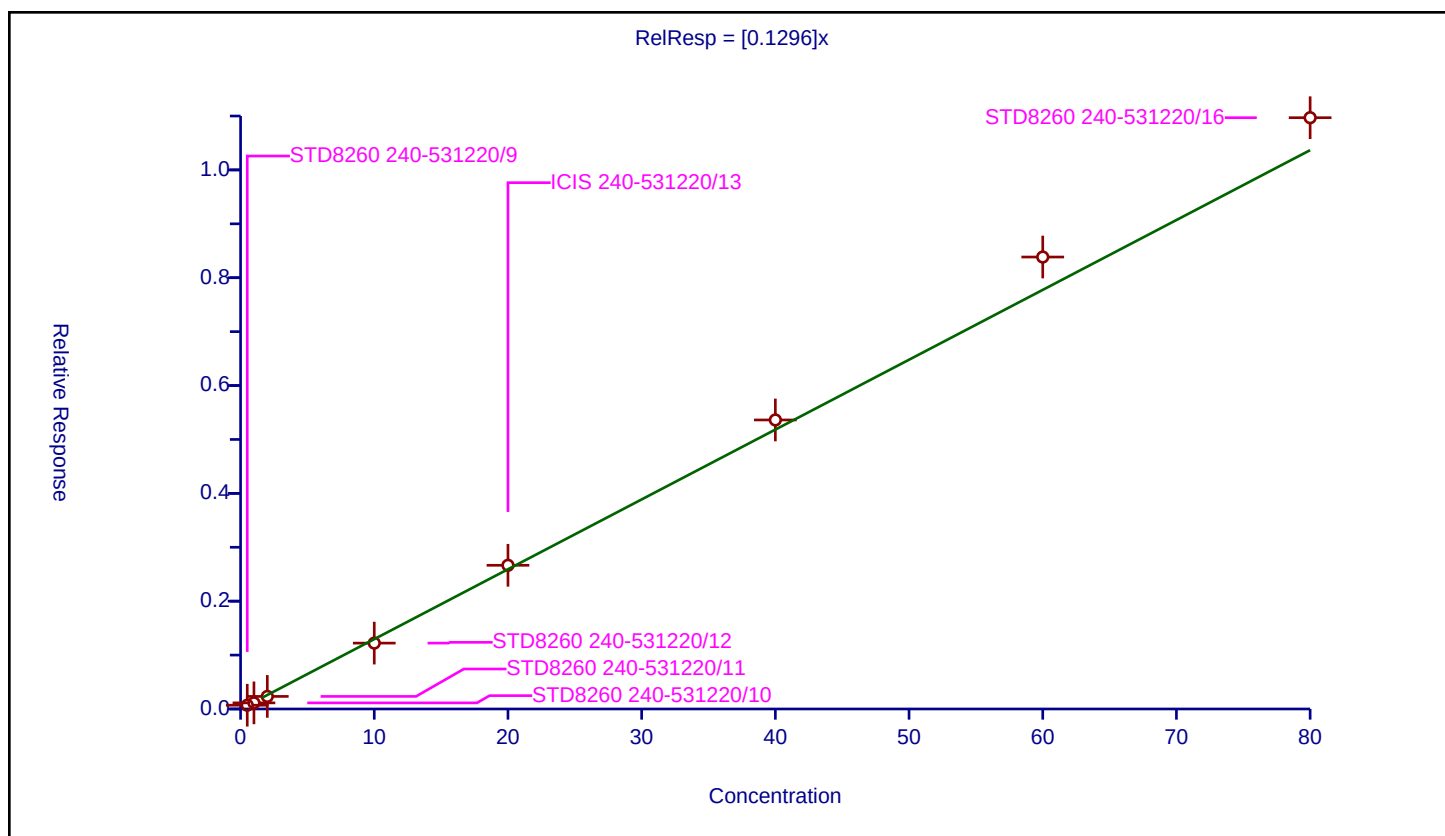
Curve Coefficients

Intercept: 0
 Slope: 0.1296

Error Coefficients

Standard Error: 295000
 Relative Standard Error: 8.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.069935	20.0	940017.0	0.13987	Y
2	STD8260 240-531220/10	1.0	0.113647	20.0	1011549.0	0.113647	Y
3	STD8260 240-531220/11	2.0	0.233374	20.0	983573.0	0.116687	Y
4	STD8260 240-531220/12	10.0	1.22231	20.0	1018383.0	0.122231	Y
5	ICIS 240-531220/13	20.0	2.665836	20.0	1012688.0	0.133292	Y
6	STD8260 240-531220/14	40.0	5.361824	20.0	1043186.0	0.134046	Y
7	STD8260 240-531220/15	60.0	8.384299	20.0	1027981.0	0.139738	Y
8	STD8260 240-531220/16	80.0	10.968649	20.0	1035752.0	0.137108	Y



Calibration

/ Tetrahydrofuran

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

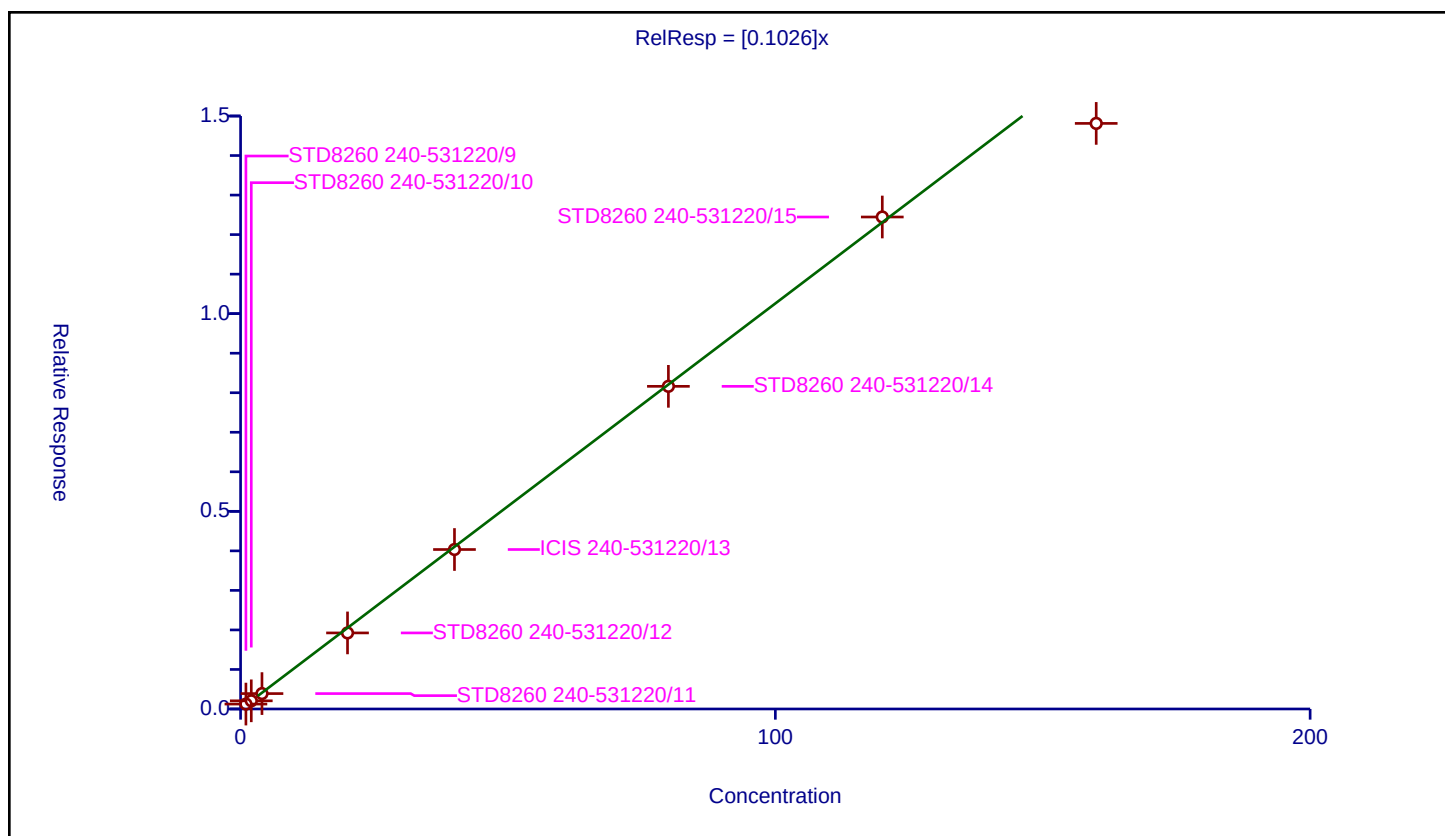
Curve Coefficients

Intercept: 0
Slope: 0.1026

Error Coefficients

Standard Error: 419000
Relative Standard Error: 9.5
Correlation Coefficient: 0.995
Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	1.0	0.124636	20.0	940017.0	0.124636	Y
2	STD8260 240-531220/10	2.0	0.206614	20.0	1011549.0	0.103307	Y
3	STD8260 240-531220/11	4.0	0.389478	20.0	983573.0	0.097369	Y
4	STD8260 240-531220/12	20.0	1.923952	20.0	1018383.0	0.096198	Y
5	ICIS 240-531220/13	40.0	4.033918	20.0	1012688.0	0.100848	Y
6	STD8260 240-531220/14	80.0	8.162169	20.0	1043186.0	0.102027	Y
7	STD8260 240-531220/15	120.0	12.445561	20.0	1027981.0	0.103713	Y
8	STD8260 240-531220/16	160.0	14.812928	20.0	1035752.0	0.092581	Y



Calibration

/ Chloroform

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

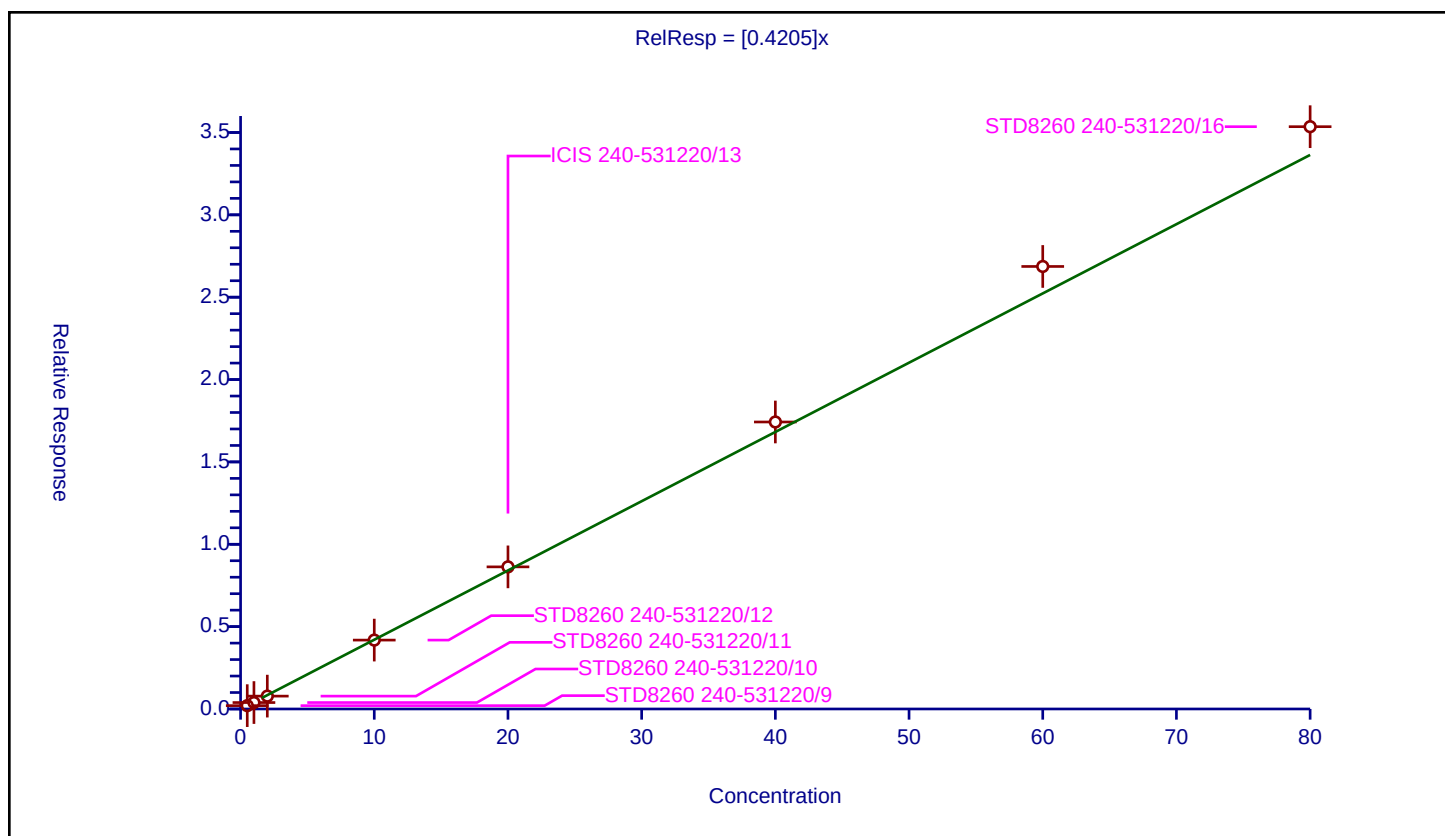
Curve Coefficients

Intercept: 0
Slope: 0.4205

Error Coefficients

Standard Error: 950000
Relative Standard Error: 5.3
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.203401	20.0	940017.0	0.406801	Y
2	STD8260 240-531220/10	1.0	0.391143	20.0	1011549.0	0.391143	Y
3	STD8260 240-531220/11	2.0	0.781803	20.0	983573.0	0.390901	Y
4	STD8260 240-531220/12	10.0	4.18214	20.0	1018383.0	0.418214	Y
5	ICIS 240-531220/13	20.0	8.628186	20.0	1012688.0	0.431409	Y
6	STD8260 240-531220/14	40.0	17.423336	20.0	1043186.0	0.435583	Y
7	STD8260 240-531220/15	60.0	26.865769	20.0	1027981.0	0.447763	Y
8	STD8260 240-531220/16	80.0	35.353193	20.0	1035752.0	0.441915	Y



Calibration

/ Dibromofluoromethane (Surr)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

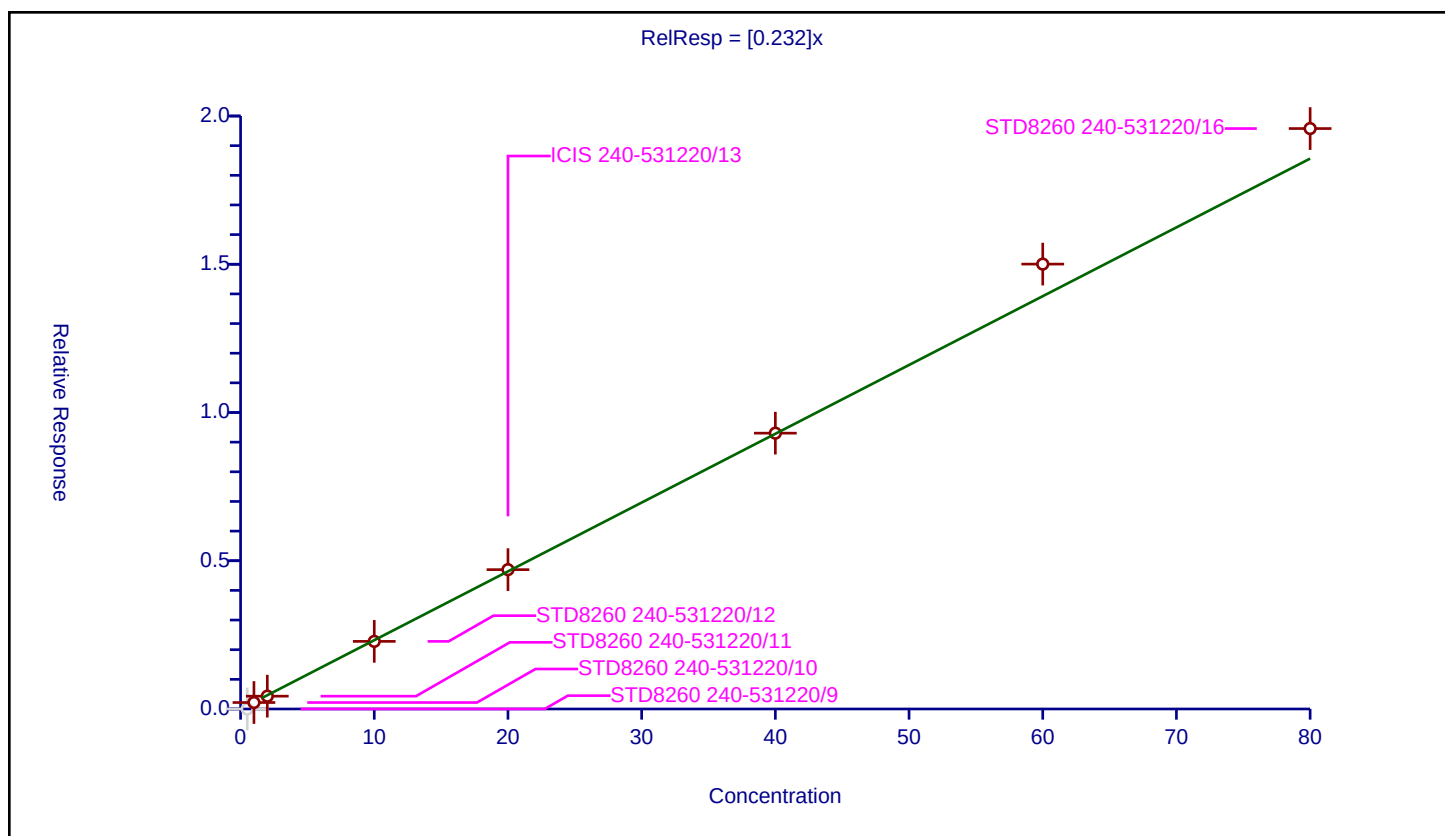
Curve Coefficients

Intercept: 0
 Slope: 0.232

Error Coefficients

Standard Error: 567000
 Relative Standard Error: 5.5
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.0	20.0	940017.0	0.0	N
2	STD8260 240-531220/10	1.0	0.217686	20.0	1011549.0	0.217686	Y
3	STD8260 240-531220/11	2.0	0.432464	20.0	983573.0	0.216232	Y
4	STD8260 240-531220/12	10.0	2.280164	20.0	1018383.0	0.228016	Y
5	ICIS 240-531220/13	20.0	4.700204	20.0	1012688.0	0.23501	Y
6	STD8260 240-531220/14	40.0	9.303096	20.0	1043186.0	0.232577	Y
7	STD8260 240-531220/15	60.0	15.005842	20.0	1027981.0	0.250097	Y
8	STD8260 240-531220/16	80.0	19.577061	20.0	1035752.0	0.244713	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

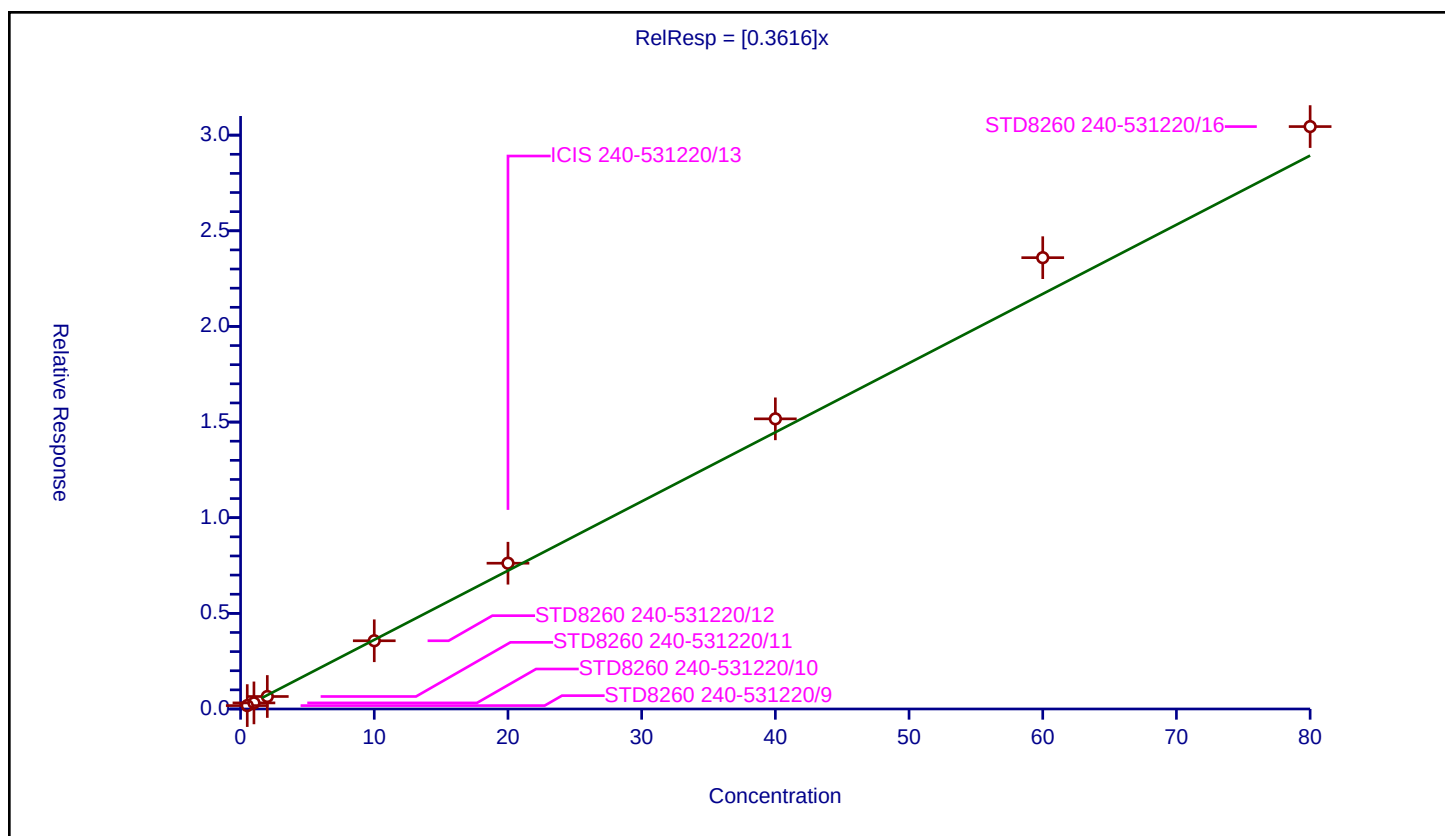
Curve Coefficients

Intercept: 0
Slope: 0.3616

Error Coefficients

Standard Error: 825000
Relative Standard Error: 7.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.178273	20.0	940017.0	0.356547	Y
2	STD8260 240-531220/10	1.0	0.319055	20.0	1011549.0	0.319055	Y
3	STD8260 240-531220/11	2.0	0.653698	20.0	983573.0	0.326849	Y
4	STD8260 240-531220/12	10.0	3.566831	20.0	1018383.0	0.356683	Y
5	ICIS 240-531220/13	20.0	7.620768	20.0	1012688.0	0.381038	Y
6	STD8260 240-531220/14	40.0	15.167957	20.0	1043186.0	0.379199	Y
7	STD8260 240-531220/15	60.0	23.593841	20.0	1027981.0	0.393231	Y
8	STD8260 240-531220/16	80.0	30.447791	20.0	1035752.0	0.380597	Y



Calibration

/ Cyclohexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

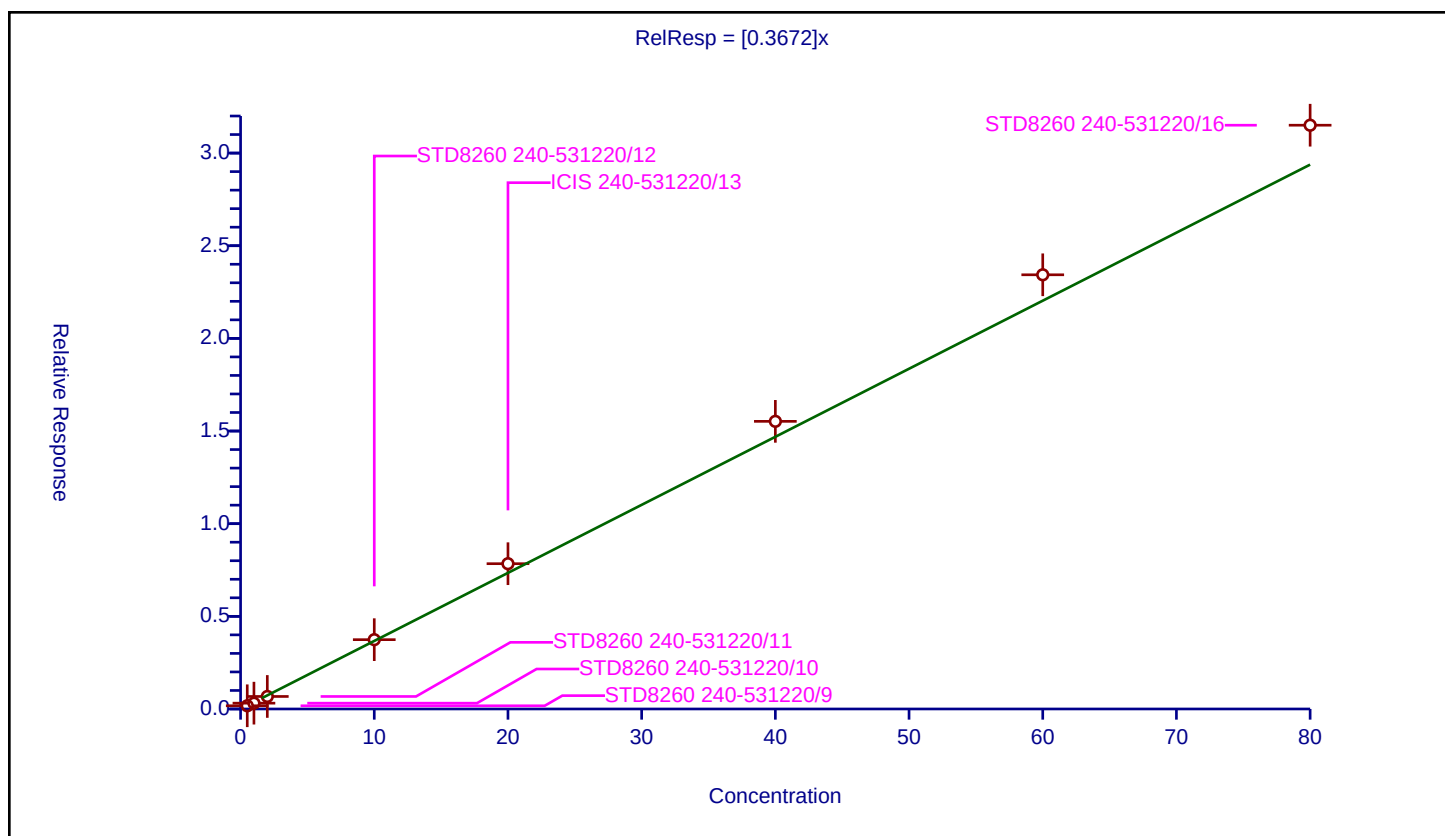
Curve Coefficients

Intercept: 0
Slope: 0.3672

Error Coefficients

Standard Error: 842000
Relative Standard Error: 8.3
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.173699	20.0	940017.0	0.347398	Y
2	STD8260 240-531220/10	1.0	0.313836	20.0	1011549.0	0.313836	Y
3	STD8260 240-531220/11	2.0	0.676005	20.0	983573.0	0.338002	Y
4	STD8260 240-531220/12	10.0	3.740322	20.0	1018383.0	0.374032	Y
5	ICIS 240-531220/13	20.0	7.840539	20.0	1012688.0	0.392027	Y
6	STD8260 240-531220/14	40.0	15.522889	20.0	1043186.0	0.388072	Y
7	STD8260 240-531220/15	60.0	23.431503	20.0	1027981.0	0.390525	Y
8	STD8260 240-531220/16	80.0	31.503507	20.0	1035752.0	0.393794	Y



Calibration

/ 1,1-Dichloropropene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

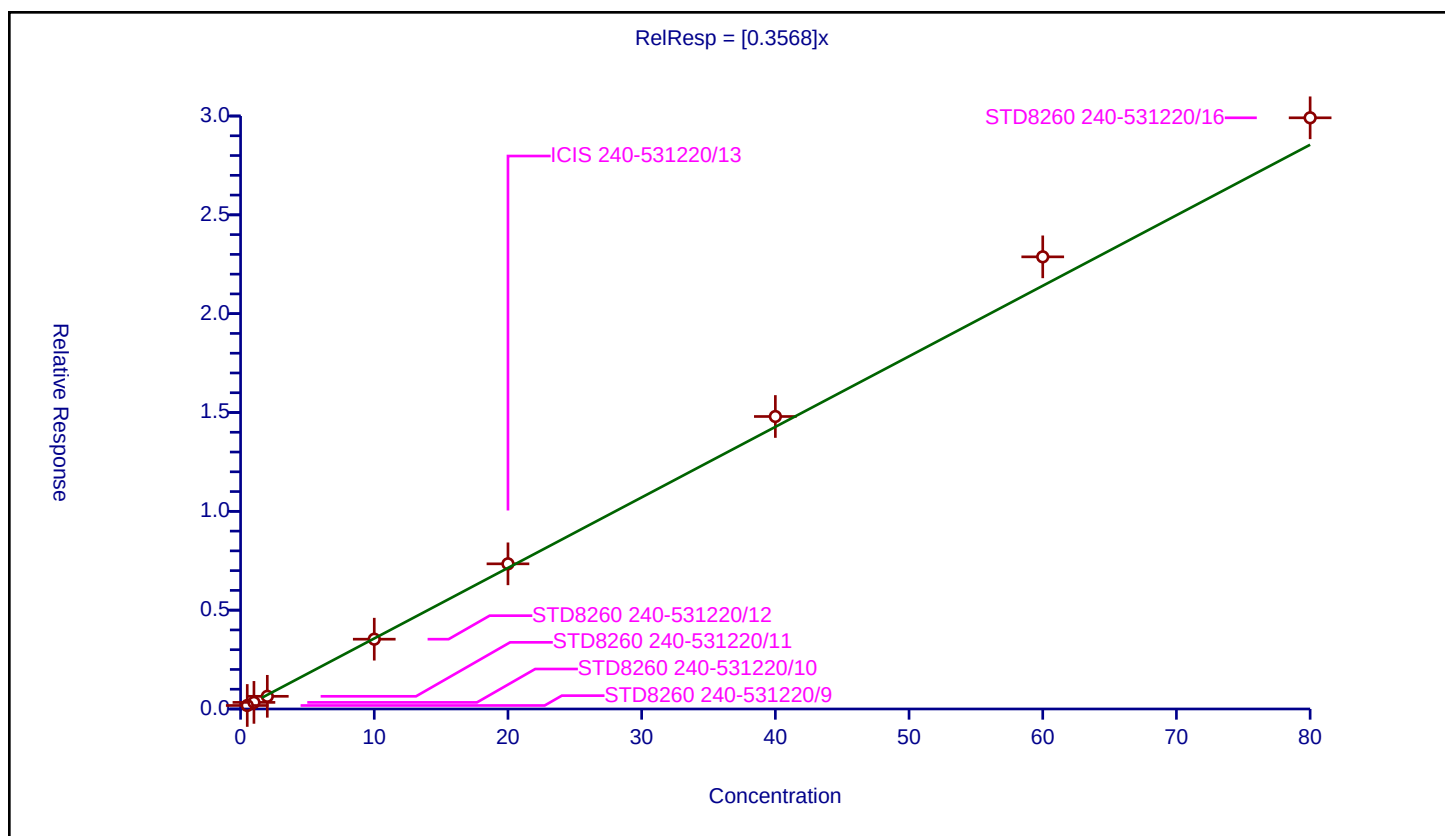
Curve Coefficients

Intercept: 0
 Slope: 0.3568

Error Coefficients

Standard Error: 806000
 Relative Standard Error: 5.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.177082	20.0	940017.0	0.354164	Y
2	STD8260 240-531220/10	1.0	0.334556	20.0	1011549.0	0.334556	Y
3	STD8260 240-531220/11	2.0	0.641193	20.0	983573.0	0.320596	Y
4	STD8260 240-531220/12	10.0	3.531225	20.0	1018383.0	0.353123	Y
5	ICIS 240-531220/13	20.0	7.344256	20.0	1012688.0	0.367213	Y
6	STD8260 240-531220/14	40.0	14.797361	20.0	1043186.0	0.369934	Y
7	STD8260 240-531220/15	60.0	22.875248	20.0	1027981.0	0.381254	Y
8	STD8260 240-531220/16	80.0	29.909824	20.0	1035752.0	0.373873	Y



Calibration

/ Carbon tetrachloride

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

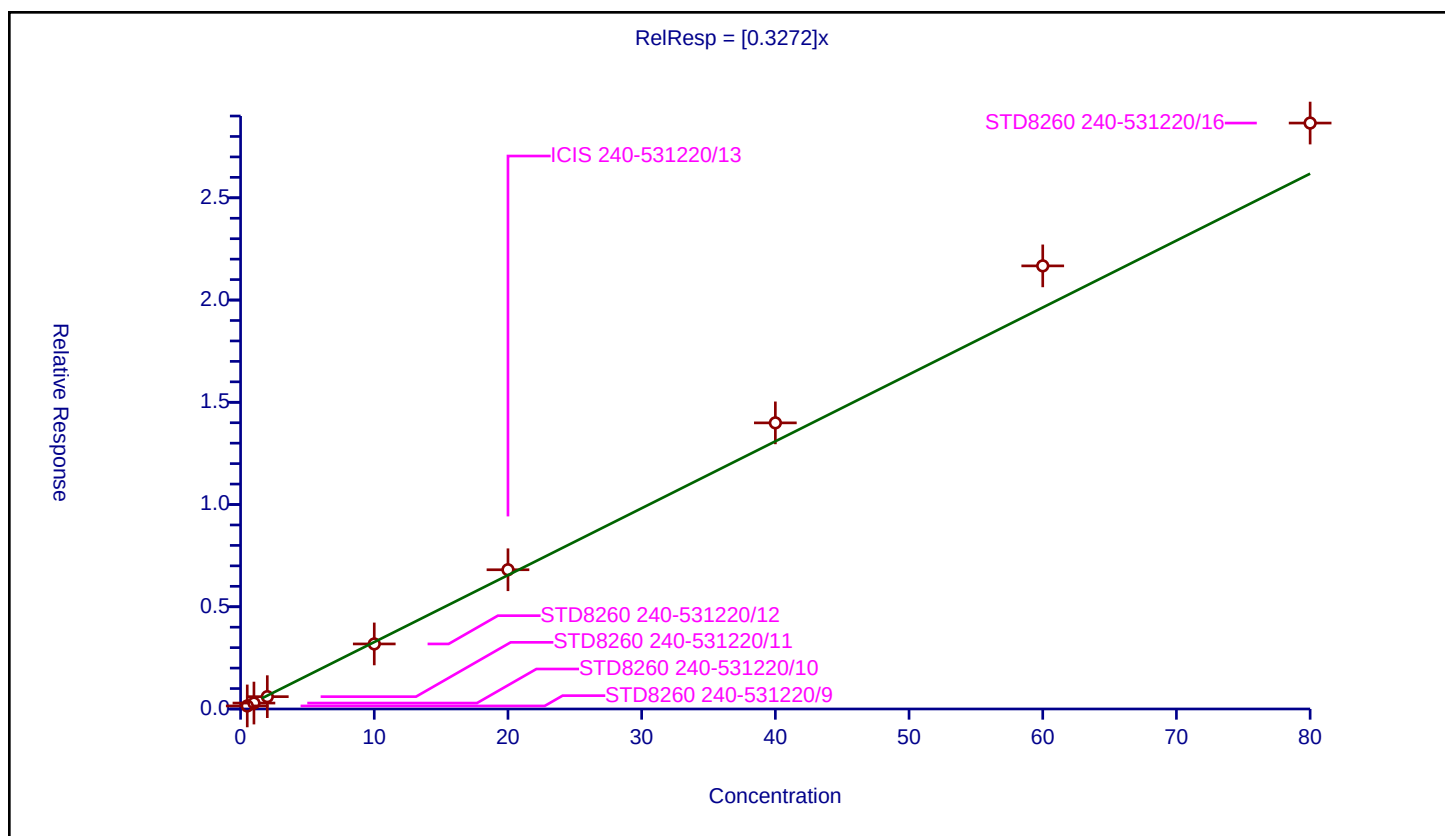
Curve Coefficients

Intercept: 0
 Slope: 0.3272

Error Coefficients

Standard Error: 767000
 Relative Standard Error: 8.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.149104	20.0	940017.0	0.298207	Y
2	STD8260 240-531220/10	1.0	0.29003	20.0	1011549.0	0.29003	Y
3	STD8260 240-531220/11	2.0	0.603778	20.0	983573.0	0.301889	Y
4	STD8260 240-531220/12	10.0	3.182005	20.0	1018383.0	0.318201	Y
5	ICIS 240-531220/13	20.0	6.809481	20.0	1012688.0	0.340474	Y
6	STD8260 240-531220/14	40.0	13.992577	20.0	1043186.0	0.349814	Y
7	STD8260 240-531220/15	60.0	21.670984	20.0	1027981.0	0.361183	Y
8	STD8260 240-531220/16	80.0	28.655779	20.0	1035752.0	0.358197	Y



Calibration

/ Isobutyl alcohol

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

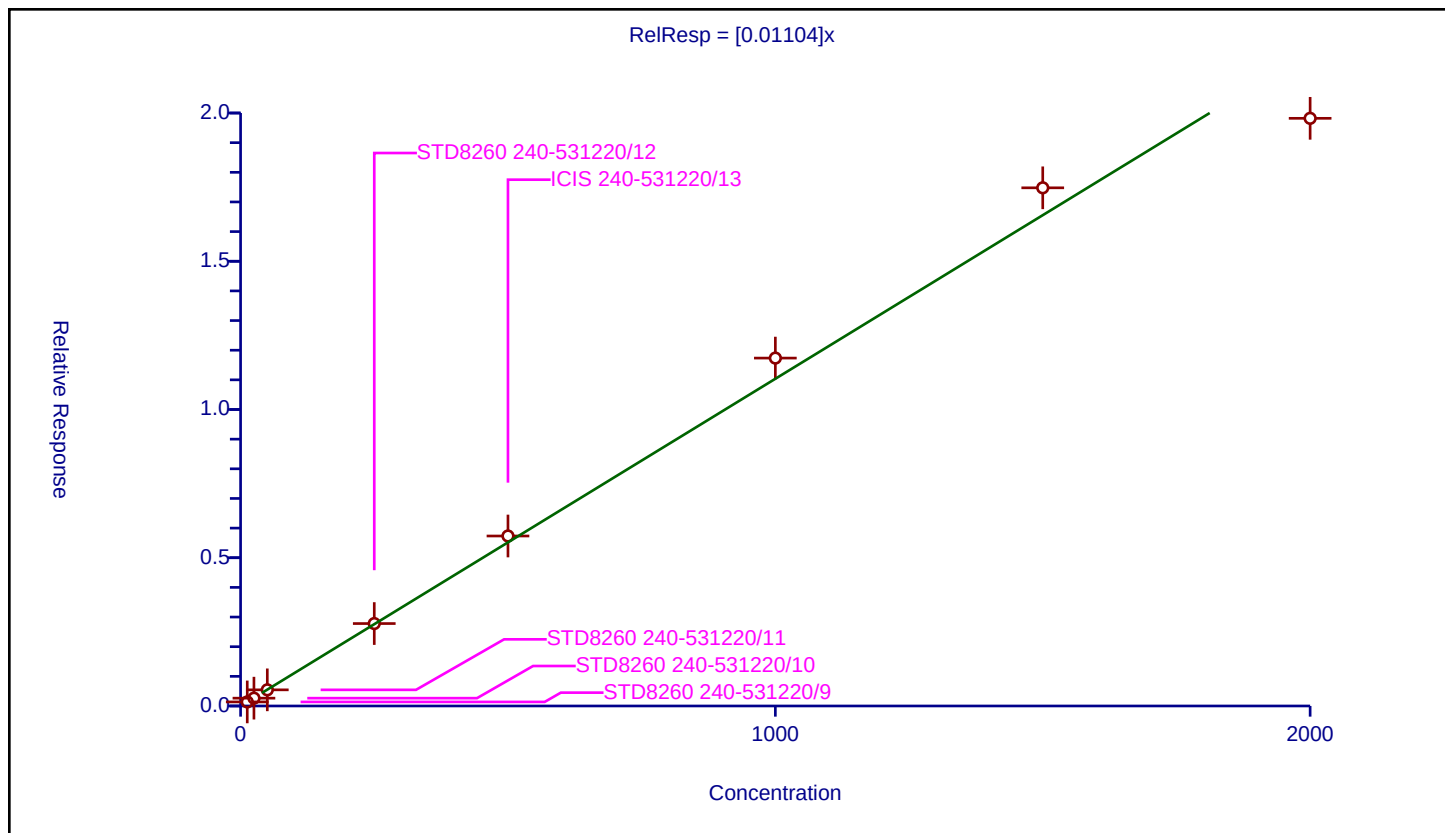
Curve Coefficients

Intercept: 0
Slope: 0.01104

Error Coefficients

Standard Error: 578000
Relative Standard Error: 5.5
Correlation Coefficient: 0.988
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	12.5	0.136827	20.0	940017.0	0.010946	Y
2	STD8260 240-531220/10	25.0	0.264288	20.0	1011549.0	0.010572	Y
3	STD8260 240-531220/11	50.0	0.544281	20.0	983573.0	0.010886	Y
4	STD8260 240-531220/12	250.0	2.780427	20.0	1018383.0	0.011122	Y
5	ICIS 240-531220/13	500.0	5.733671	20.0	1012688.0	0.011467	Y
6	STD8260 240-531220/14	1000.0	11.734149	20.0	1043186.0	0.011734	Y
7	STD8260 240-531220/15	1500.0	17.477483	20.0	1027981.0	0.011652	Y
8	STD8260 240-531220/16	2000.0	19.821115	20.0	1035752.0	0.009911	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

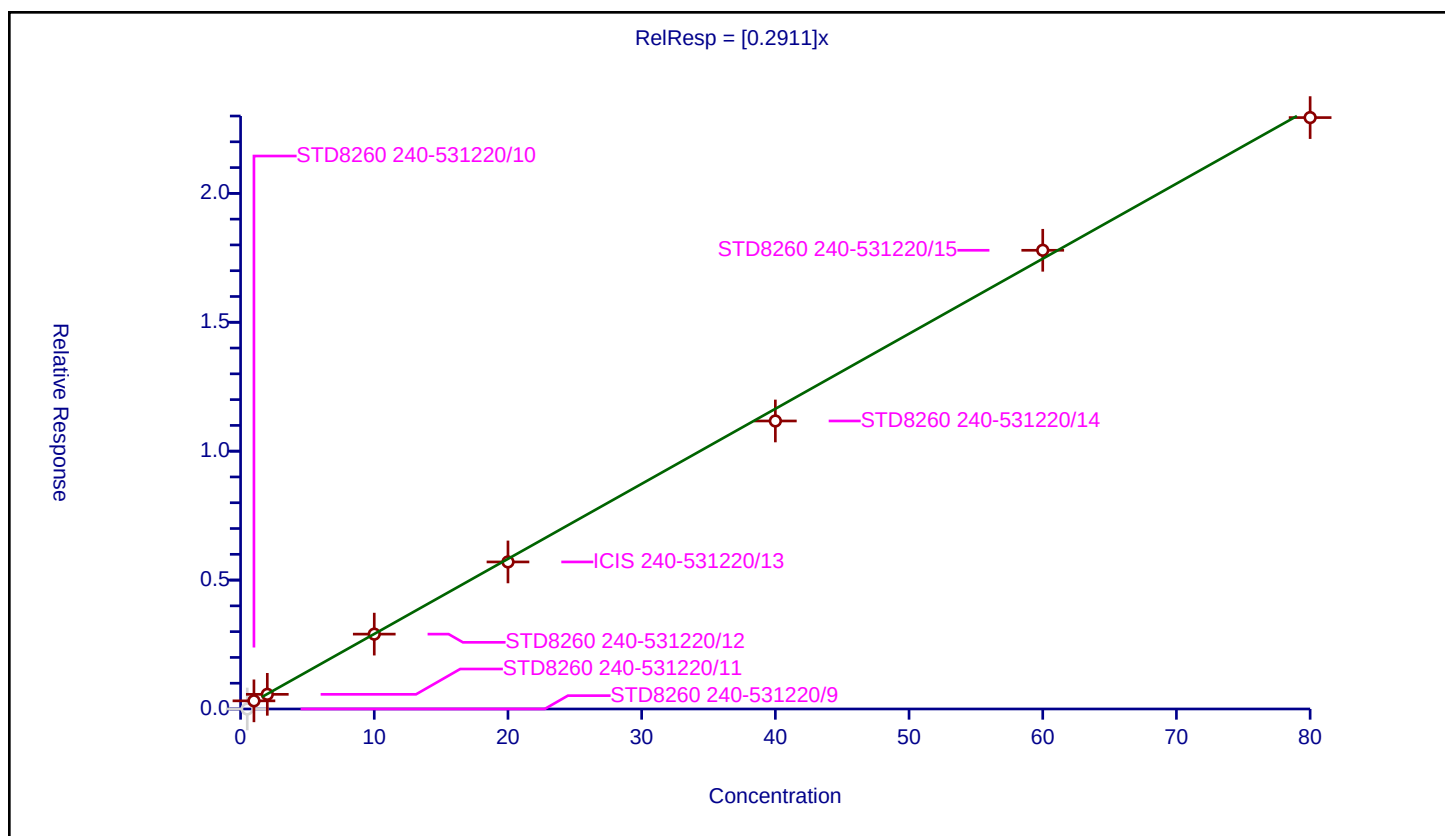
Curve Coefficients

Intercept: 0
Slope: 0.2911

Error Coefficients

Standard Error: 670000
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	STD8260 240-531220/9	0.5	0.0	20.0	940017.0	0.0	N
2	STD8260 240-531220/10	1.0	0.315477	20.0	1011549.0	0.315477	Y
3	STD8260 240-531220/11	2.0	0.568011	20.0	983573.0	0.284005	Y
4	STD8260 240-531220/12	10.0	2.903741	20.0	1018383.0	0.290374	Y
5	ICIS 240-531220/13	20.0	5.703751	20.0	1012688.0	0.285188	Y
6	STD8260 240-531220/14	40.0	11.171277	20.0	1043186.0	0.279282	Y
7	STD8260 240-531220/15	60.0	17.792566	20.0	1027981.0	0.296543	Y
8	STD8260 240-531220/16	80.0	22.938464	20.0	1035752.0	0.286731	Y



Calibration

/ Benzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

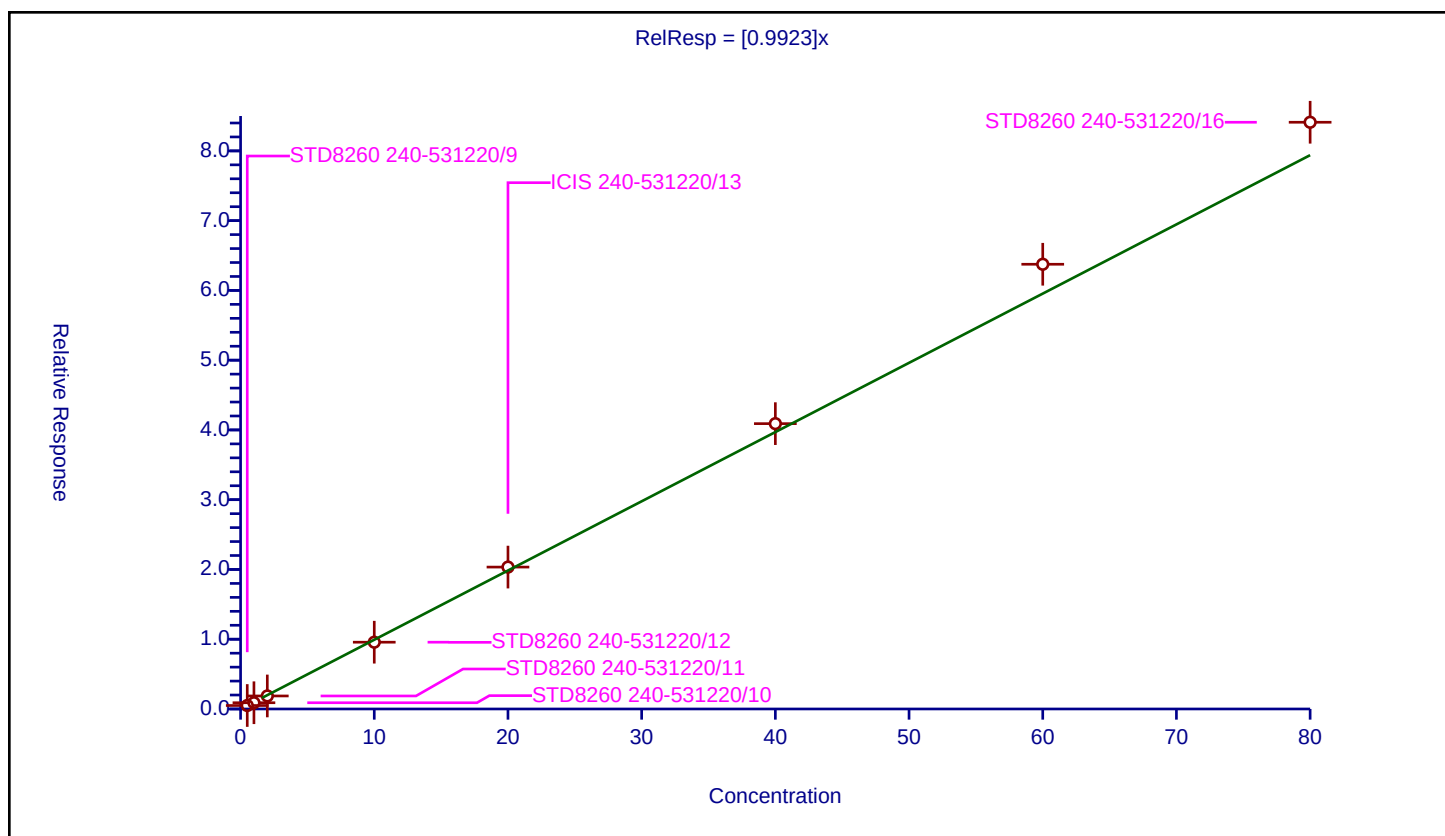
Curve Coefficients

Intercept: 0
Slope: 0.9923

Error Coefficients

Standard Error: 2250000
Relative Standard Error: 5.9
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.499693	20.0	940017.0	0.999386	Y
2	STD8260 240-531220/10	1.0	0.895439	20.0	1011549.0	0.895439	Y
3	STD8260 240-531220/11	2.0	1.866176	20.0	983573.0	0.933088	Y
4	STD8260 240-531220/12	10.0	9.573412	20.0	1018383.0	0.957341	Y
5	ICIS 240-531220/13	20.0	20.341033	20.0	1012688.0	1.017052	Y
6	STD8260 240-531220/14	40.0	40.904767	20.0	1043186.0	1.022619	Y
7	STD8260 240-531220/15	60.0	63.750108	20.0	1027981.0	1.062502	Y
8	STD8260 240-531220/16	80.0	84.103975	20.0	1035752.0	1.0513	Y



Calibration

/ 1,2-Dichloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

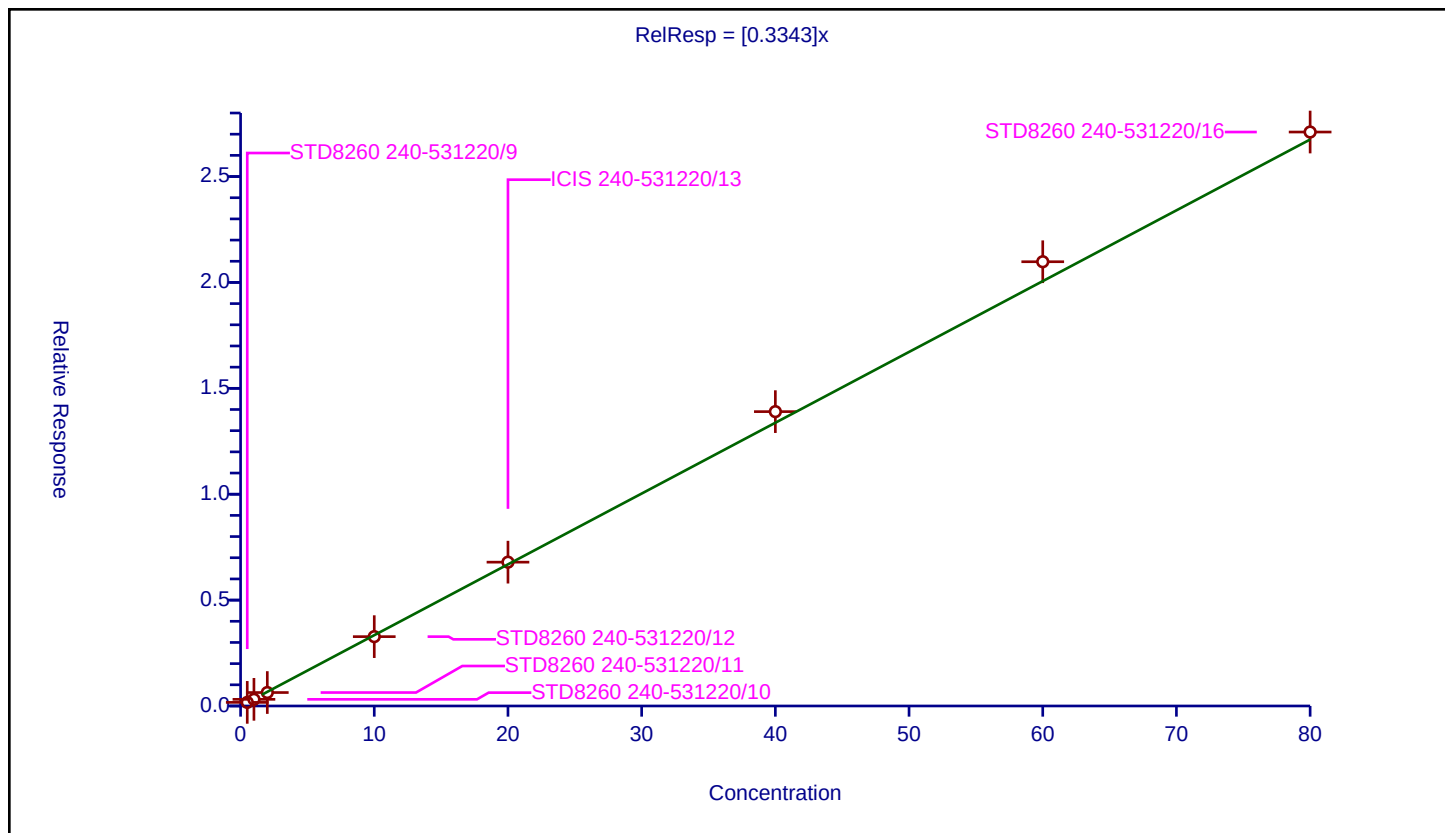
Curve Coefficients

Intercept: 0
 Slope: 0.3343

Error Coefficients

Standard Error: 737000
 Relative Standard Error: 4.0
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.170103	20.0	940017.0	0.340207	Y
2	STD8260 240-531220/10	1.0	0.313816	20.0	1011549.0	0.313816	Y
3	STD8260 240-531220/11	2.0	0.635581	20.0	983573.0	0.31779	Y
4	STD8260 240-531220/12	10.0	3.275094	20.0	1018383.0	0.327509	Y
5	ICIS 240-531220/13	20.0	6.791213	20.0	1012688.0	0.339561	Y
6	STD8260 240-531220/14	40.0	13.899439	20.0	1043186.0	0.347486	Y
7	STD8260 240-531220/15	60.0	20.977975	20.0	1027981.0	0.349633	Y
8	STD8260 240-531220/16	80.0	27.101719	20.0	1035752.0	0.338771	Y



Calibration

/ n-Heptane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

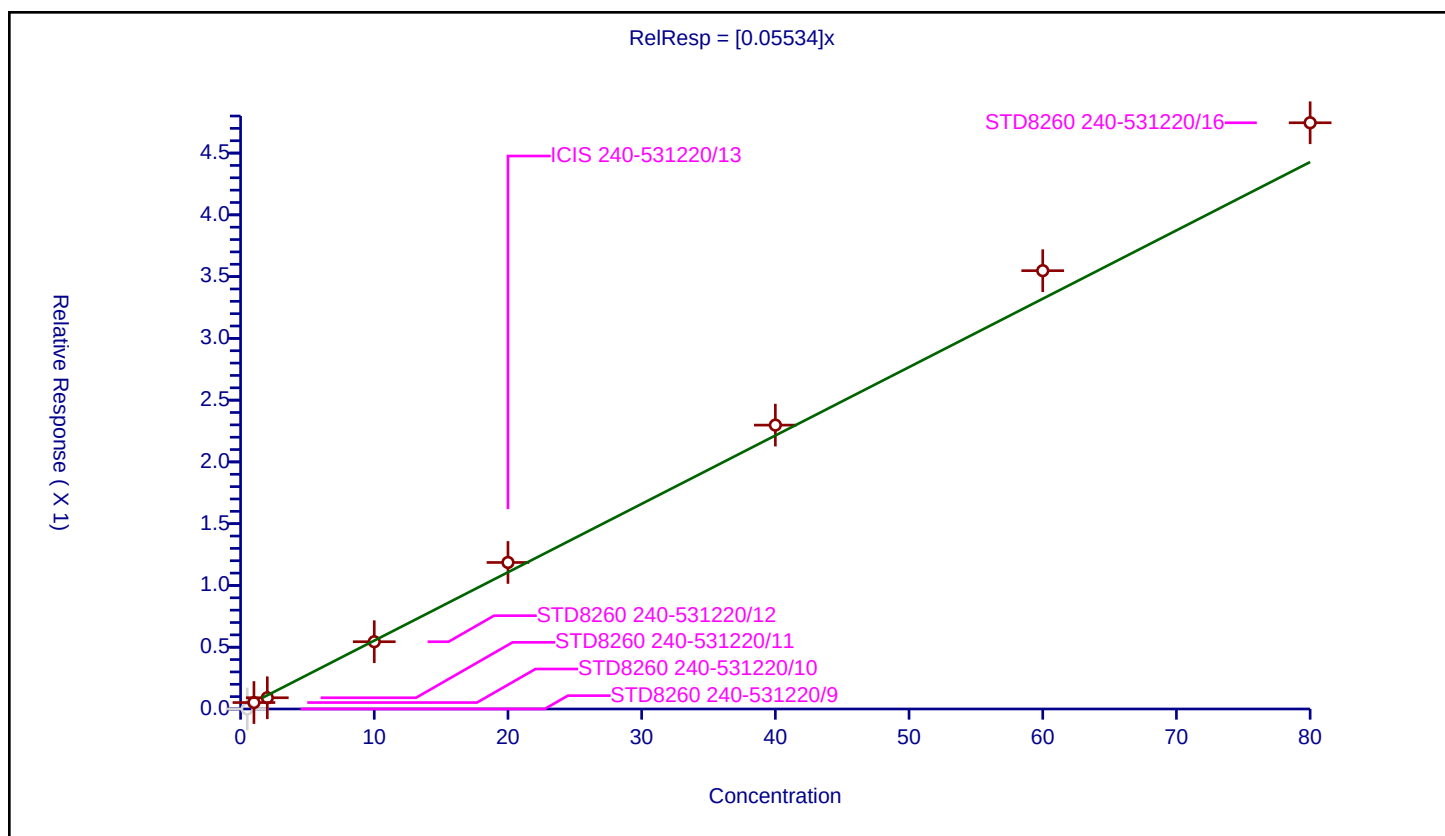
Curve Coefficients

Intercept: 0
 Slope: 0.05534

Error Coefficients

Standard Error: 137000
 Relative Standard Error: 9.3
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.0	20.0	940017.0	0.0	N
2	STD8260 240-531220/10	1.0	0.052237	20.0	1011549.0	0.052237	Y
3	STD8260 240-531220/11	2.0	0.091035	20.0	983573.0	0.045518	Y
4	STD8260 240-531220/12	10.0	0.544471	20.0	1018383.0	0.054447	Y
5	ICIS 240-531220/13	20.0	1.18615	20.0	1012688.0	0.059308	Y
6	STD8260 240-531220/14	40.0	2.297999	20.0	1043186.0	0.05745	Y
7	STD8260 240-531220/15	60.0	3.548062	20.0	1027981.0	0.059134	Y
8	STD8260 240-531220/16	80.0	4.745364	20.0	1035752.0	0.059317	Y



Calibration

/ Trichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

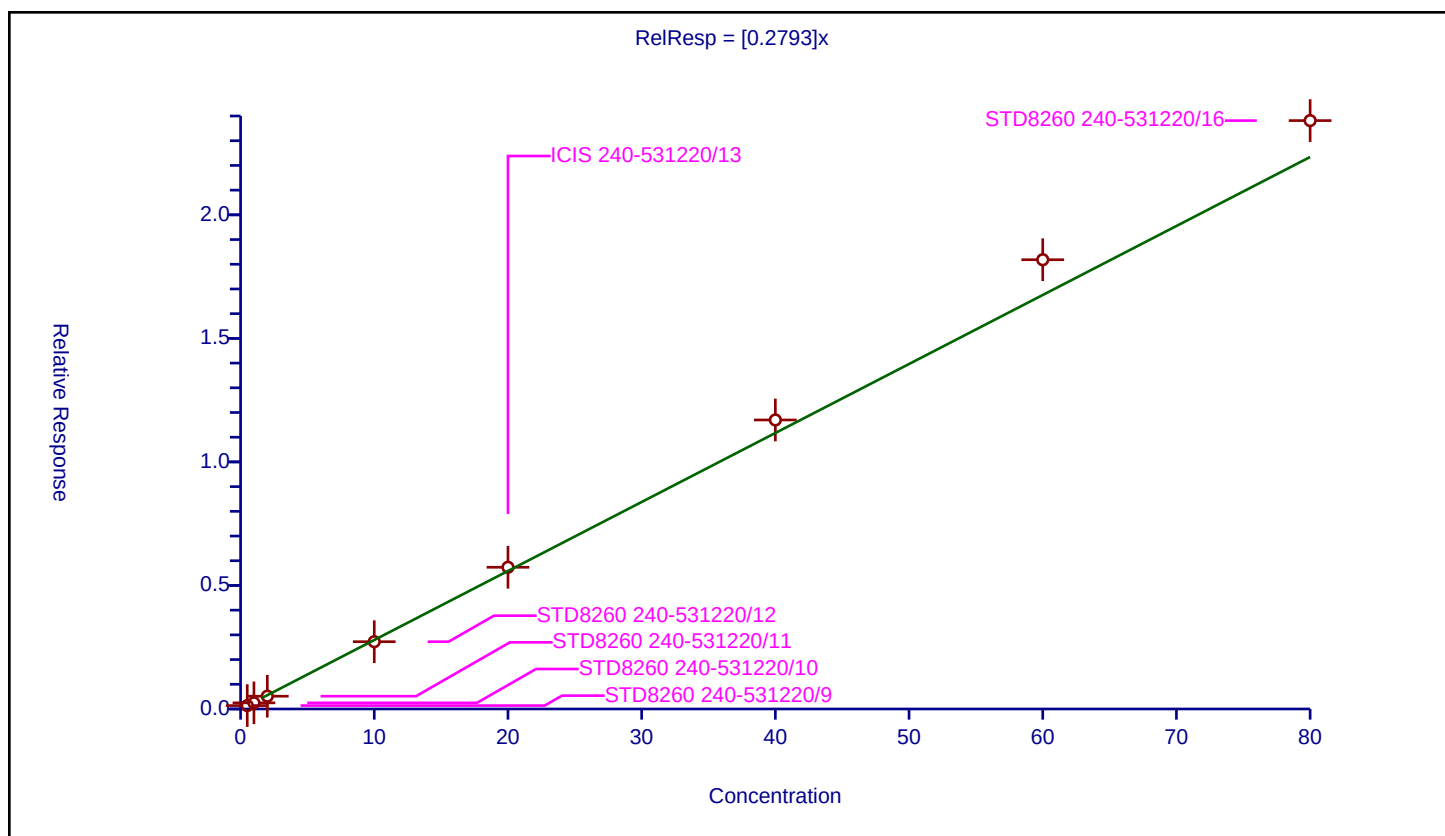
Curve Coefficients

Intercept: 0
Slope: 0.2793

Error Coefficients

Standard Error: 640000
Relative Standard Error: 6.9
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.137295	20.0	940017.0	0.274591	Y
2	STD8260 240-531220/10	1.0	0.24847	20.0	1011549.0	0.24847	Y
3	STD8260 240-531220/11	2.0	0.517399	20.0	983573.0	0.2587	Y
4	STD8260 240-531220/12	10.0	2.723808	20.0	1018383.0	0.272381	Y
5	ICIS 240-531220/13	20.0	5.736021	20.0	1012688.0	0.286801	Y
6	STD8260 240-531220/14	40.0	11.698144	20.0	1043186.0	0.292454	Y
7	STD8260 240-531220/15	60.0	18.184033	20.0	1027981.0	0.303067	Y
8	STD8260 240-531220/16	80.0	23.813886	20.0	1035752.0	0.297674	Y



Calibration

/ Methylcyclohexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

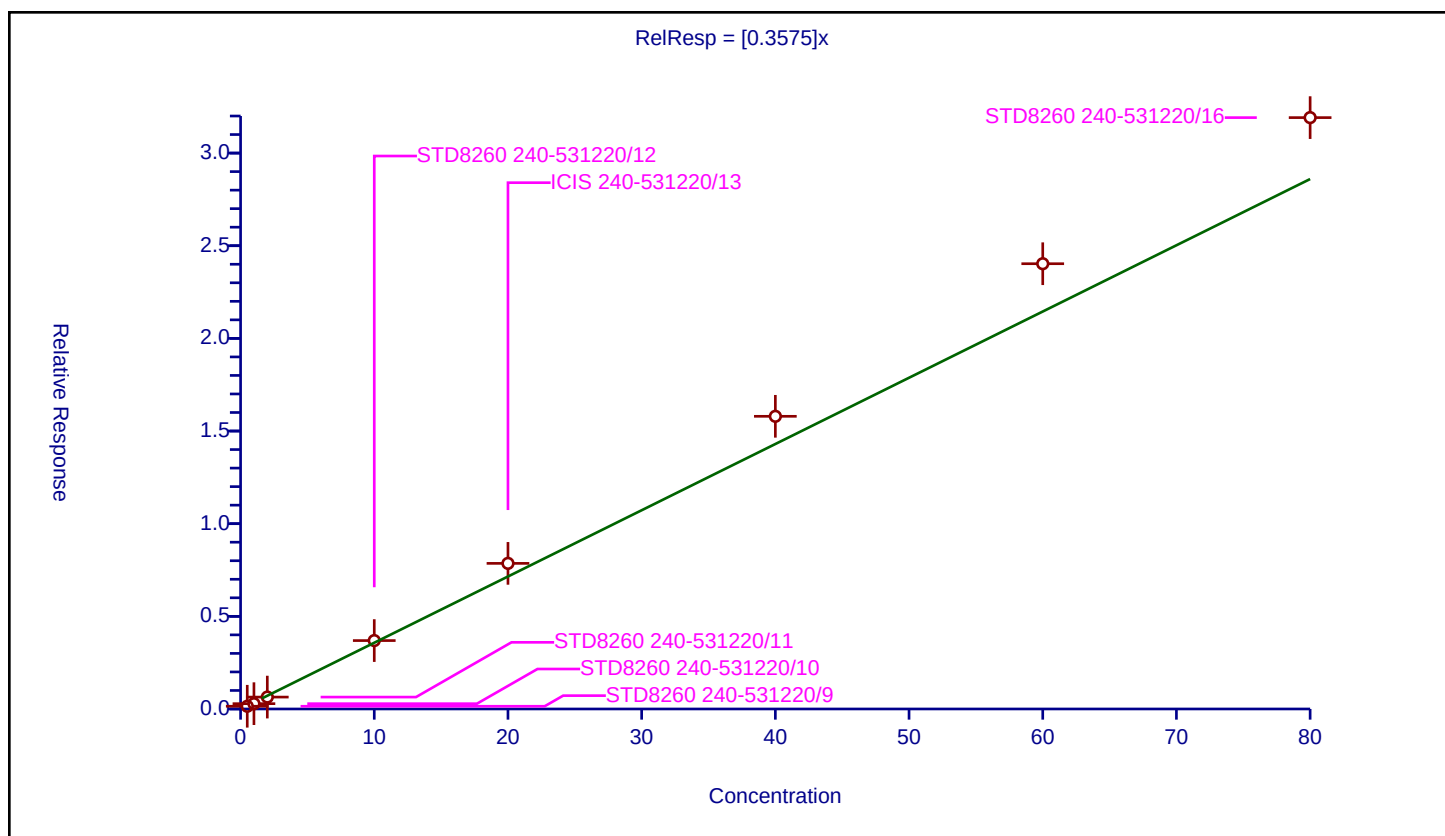
Curve Coefficients

Intercept: 0
Slope: 0.3575

Error Coefficients

Standard Error: 856000
Relative Standard Error: 13.6
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.147593	20.0	940017.0	0.295186	Y
2	STD8260 240-531220/10	1.0	0.286926	20.0	1011549.0	0.286926	Y
3	STD8260 240-531220/11	2.0	0.642677	20.0	983573.0	0.321339	Y
4	STD8260 240-531220/12	10.0	3.692029	20.0	1018383.0	0.369203	Y
5	ICIS 240-531220/13	20.0	7.858669	20.0	1012688.0	0.392933	Y
6	STD8260 240-531220/14	40.0	15.794269	20.0	1043186.0	0.394857	Y
7	STD8260 240-531220/15	60.0	24.028888	20.0	1027981.0	0.400481	Y
8	STD8260 240-531220/16	80.0	31.913238	20.0	1035752.0	0.398915	Y



Calibration

/ 1,2-Dichloropropane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

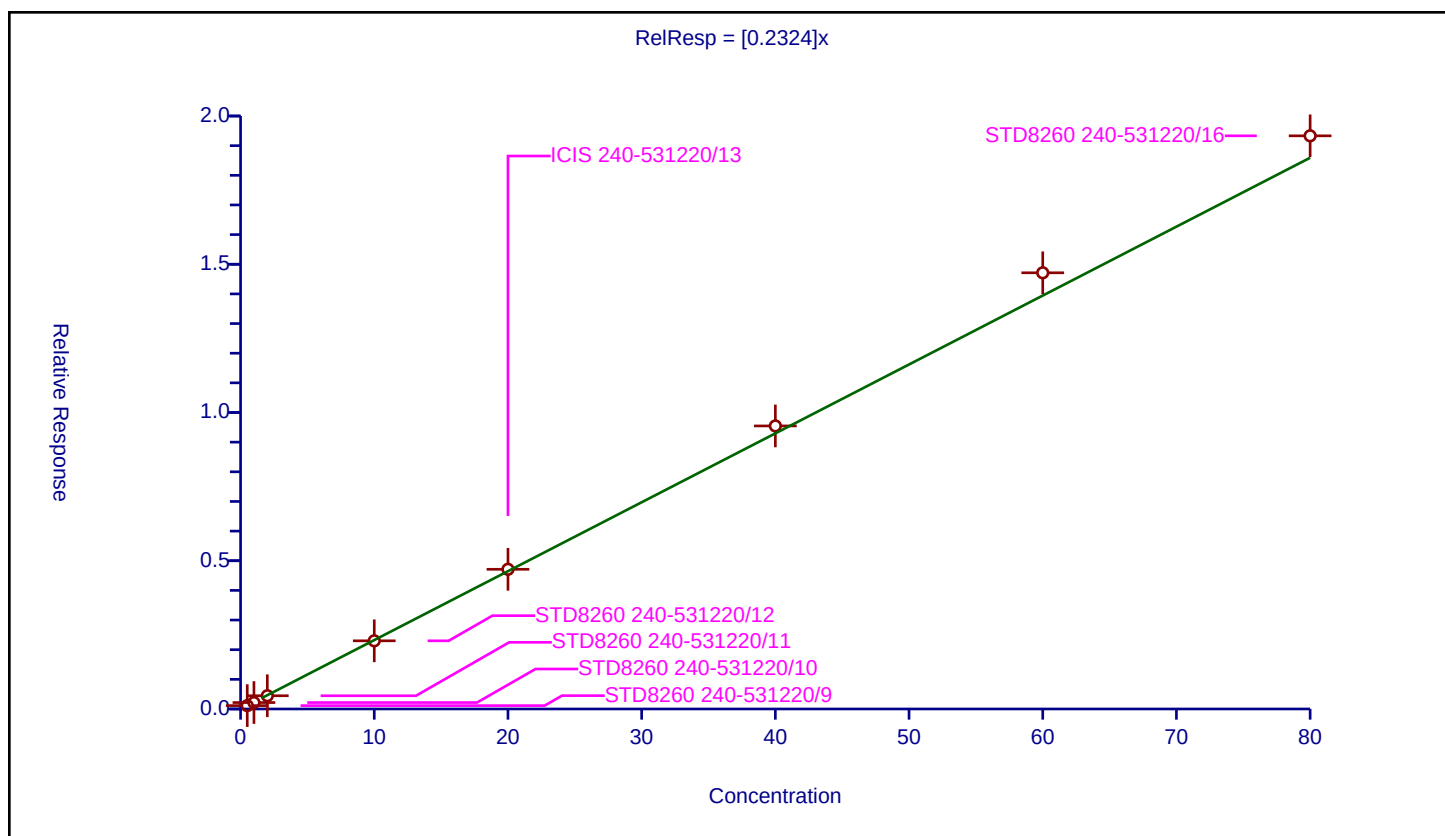
Curve Coefficients

Intercept: 0
 Slope: 0.2324

Error Coefficients

Standard Error: 520000
 Relative Standard Error: 4.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.11404	20.0	940017.0	0.228081	Y
2	STD8260 240-531220/10	1.0	0.216757	20.0	1011549.0	0.216757	Y
3	STD8260 240-531220/11	2.0	0.446535	20.0	983573.0	0.223268	Y
4	STD8260 240-531220/12	10.0	2.299155	20.0	1018383.0	0.229915	Y
5	ICIS 240-531220/13	20.0	4.711935	20.0	1012688.0	0.235597	Y
6	STD8260 240-531220/14	40.0	9.547291	20.0	1043186.0	0.238682	Y
7	STD8260 240-531220/15	60.0	14.71212	20.0	1027981.0	0.245202	Y
8	STD8260 240-531220/16	80.0	19.331693	20.0	1035752.0	0.241646	Y



Calibration

/ 1,4-Dioxane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

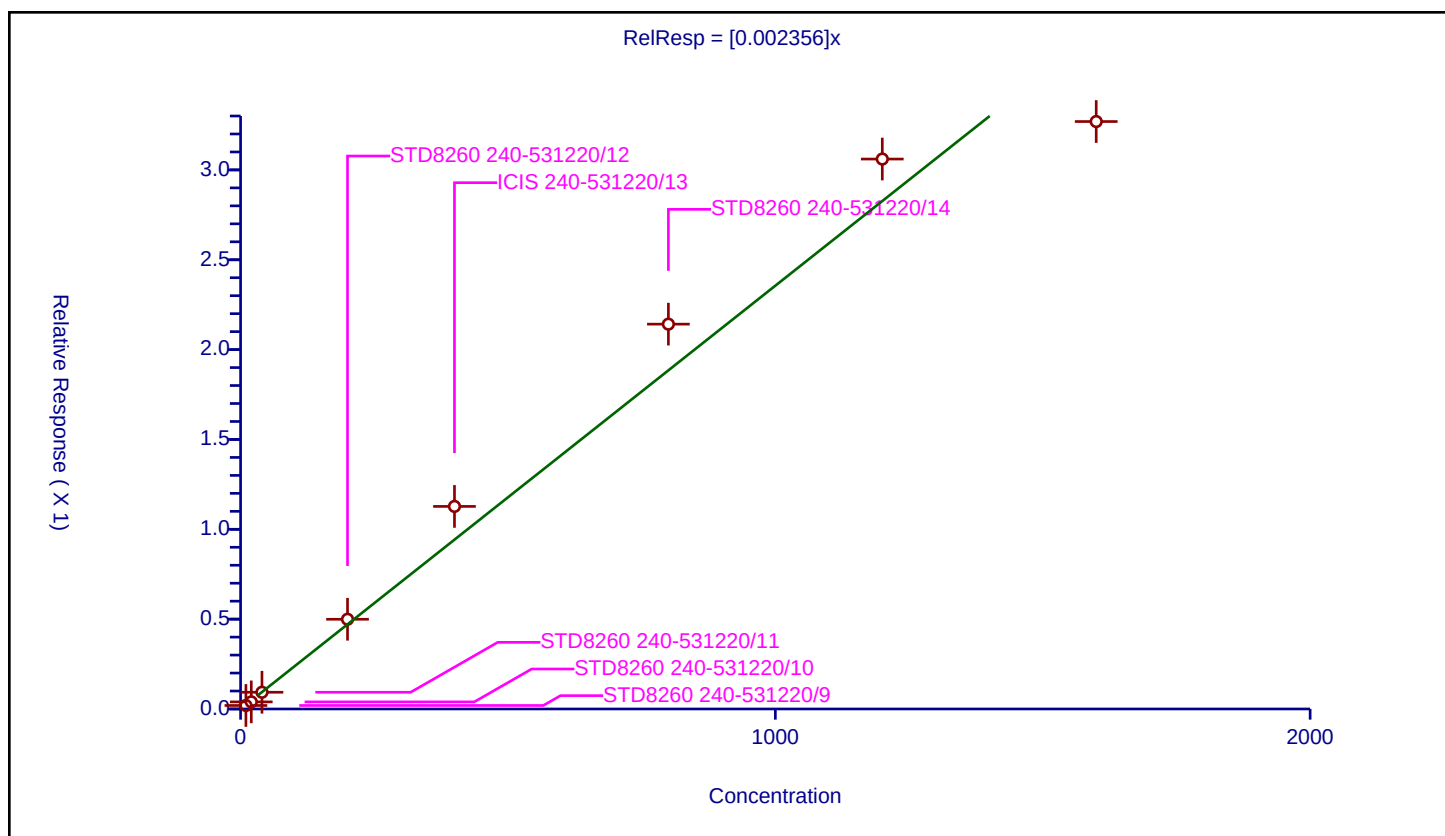
Curve Coefficients

Intercept: 0
Slope: 0.002356

Error Coefficients

Standard Error: 99900
Relative Standard Error: 14.2
Correlation Coefficient: 0.973
Coefficient of Determination (Adjusted): 0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	10.0	0.019553	20.0	940017.0	0.001955	Y
2	STD8260 240-531220/10	20.0	0.039524	20.0	1011549.0	0.001976	Y
3	STD8260 240-531220/11	40.0	0.09313	20.0	983573.0	0.002328	Y
4	STD8260 240-531220/12	200.0	0.499282	20.0	1018383.0	0.002496	Y
5	ICIS 240-531220/13	400.0	1.127376	20.0	1012688.0	0.002818	Y
6	STD8260 240-531220/14	800.0	2.141632	20.0	1043186.0	0.002677	Y
7	STD8260 240-531220/15	1200.0	3.060407	20.0	1027981.0	0.00255	Y
8	STD8260 240-531220/16	1600.0	3.269258	20.0	1035752.0	0.002043	Y



Calibration

/ Dibromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

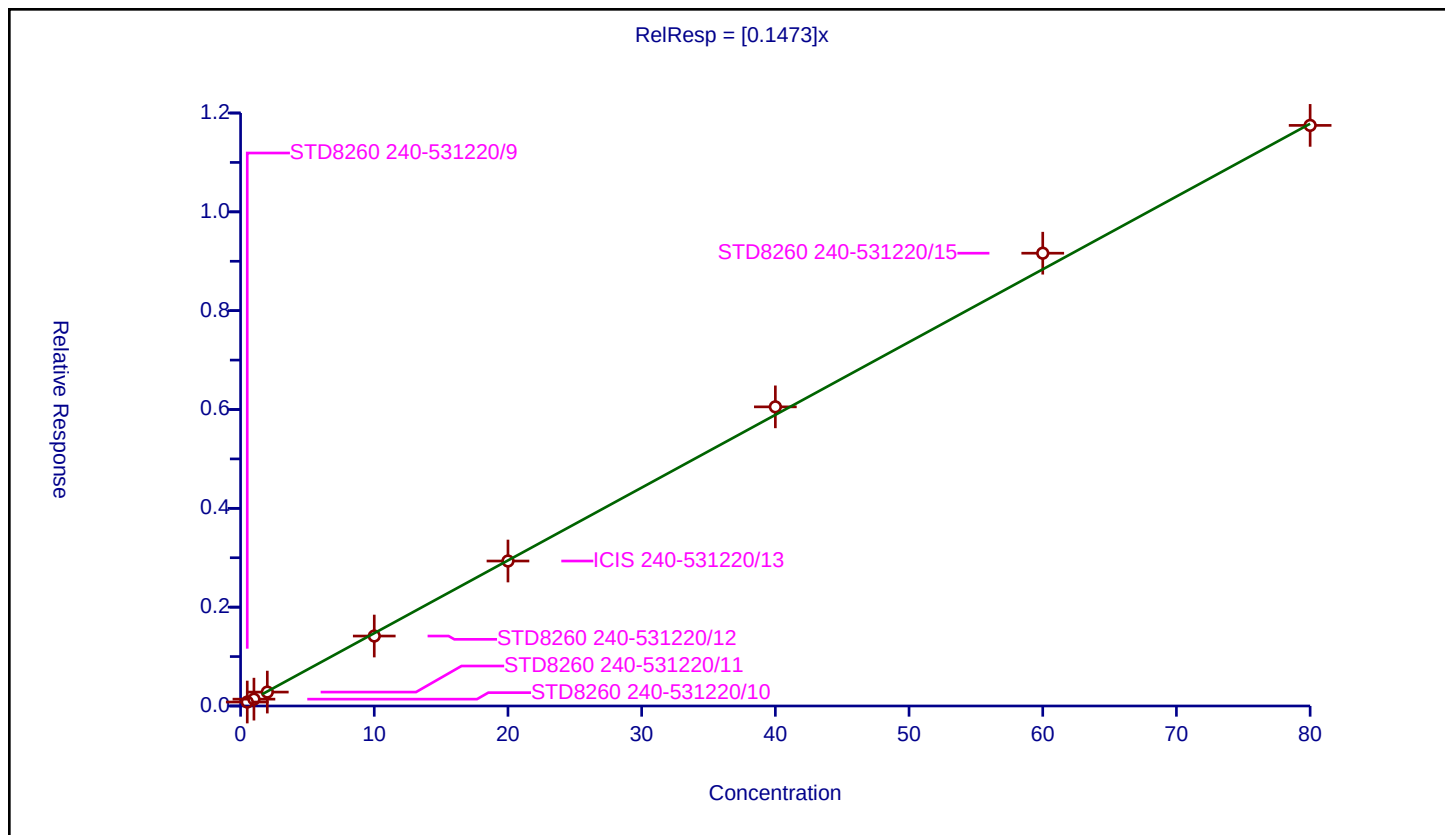
Curve Coefficients

Intercept: 0
Slope: 0.1473

Error Coefficients

Standard Error: 321000
Relative Standard Error: 5.0
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.080105	20.0	940017.0	0.16021	Y
2	STD8260 240-531220/10	1.0	0.138184	20.0	1011549.0	0.138184	Y
3	STD8260 240-531220/11	2.0	0.281403	20.0	983573.0	0.140701	Y
4	STD8260 240-531220/12	10.0	1.415558	20.0	1018383.0	0.141556	Y
5	ICIS 240-531220/13	20.0	2.933954	20.0	1012688.0	0.146698	Y
6	STD8260 240-531220/14	40.0	6.053801	20.0	1043186.0	0.151345	Y
7	STD8260 240-531220/15	60.0	9.163146	20.0	1027981.0	0.152719	Y
8	STD8260 240-531220/16	80.0	11.749705	20.0	1035752.0	0.146871	Y



Calibration

/ Dichlorobromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

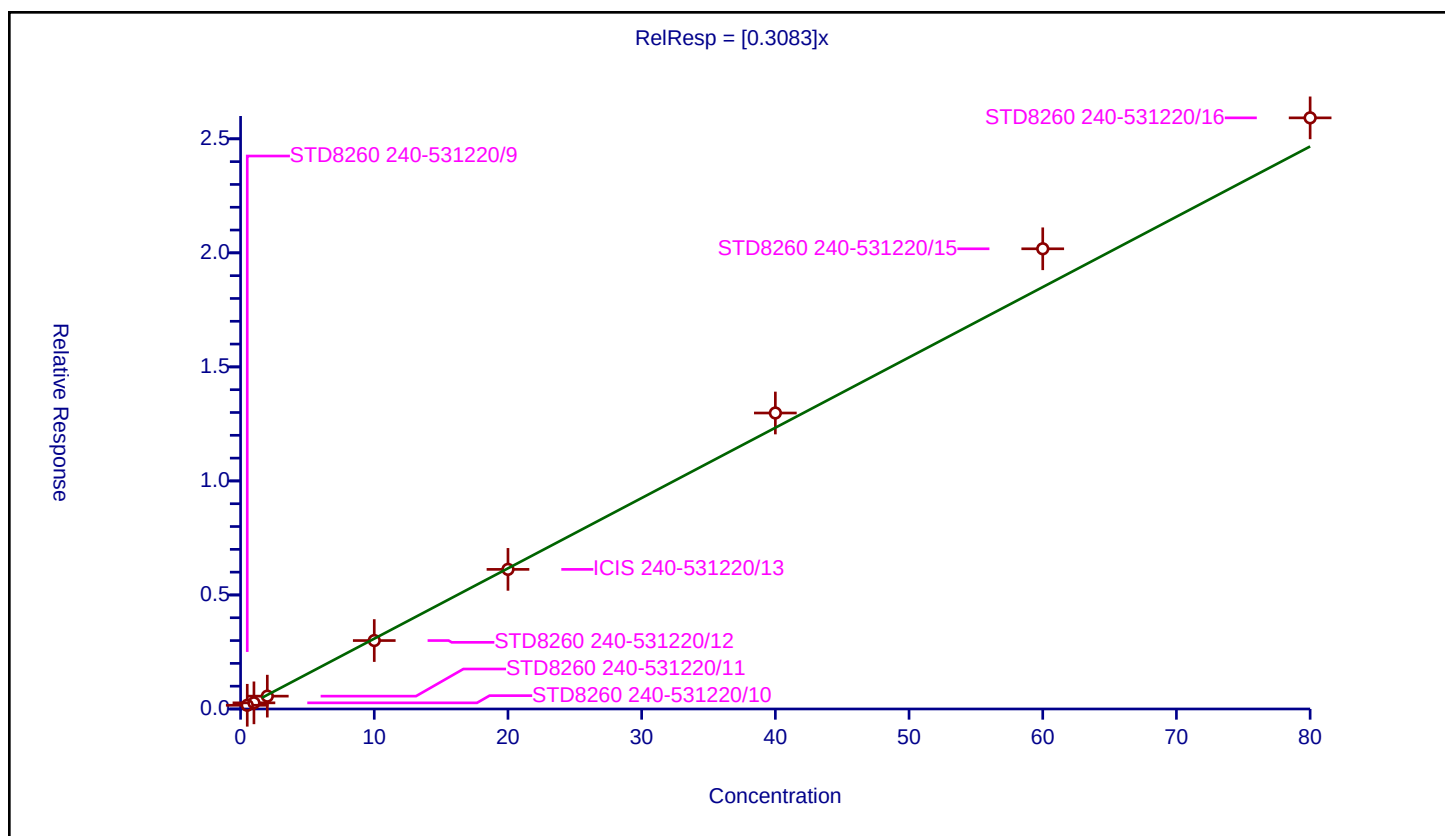
Curve Coefficients

Intercept: 0
Slope: 0.3083

Error Coefficients

Standard Error: 703000
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	STD8260 240-531220/9	0.5	0.16255	20.0	940017.0	0.325101	Y
2	STD8260 240-531220/10	1.0	0.269349	20.0	1011549.0	0.269349	Y
3	STD8260 240-531220/11	2.0	0.562643	20.0	983573.0	0.281321	Y
4	STD8260 240-531220/12	10.0	3.000305	20.0	1018383.0	0.300031	Y
5	ICIS 240-531220/13	20.0	6.121096	20.0	1012688.0	0.306055	Y
6	STD8260 240-531220/14	40.0	12.97805	20.0	1043186.0	0.324451	Y
7	STD8260 240-531220/15	60.0	20.178836	20.0	1027981.0	0.336314	Y
8	STD8260 240-531220/16	80.0	25.919622	20.0	1035752.0	0.323995	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

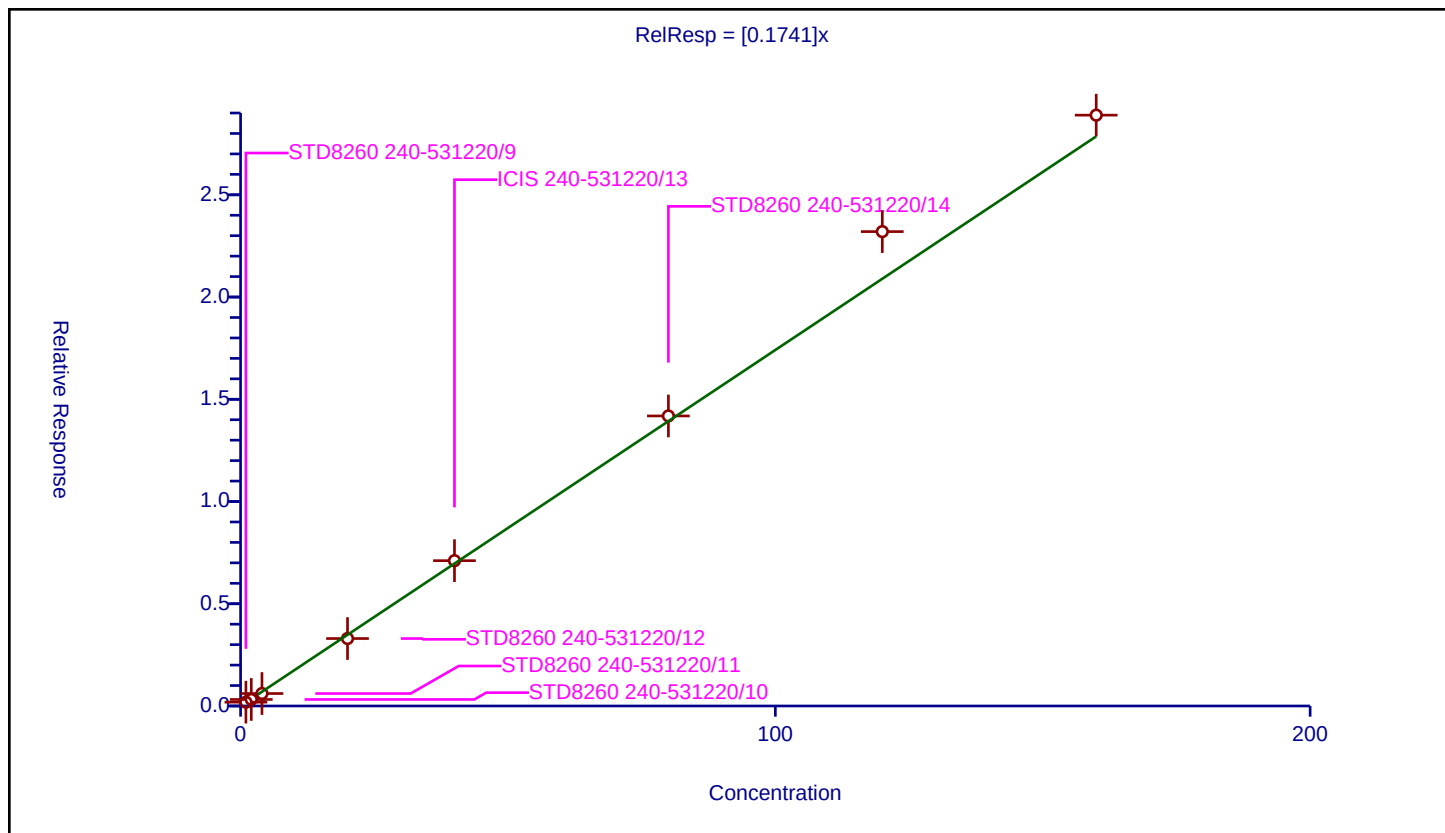
Curve Coefficients

Intercept: 0
Slope: 0.1741

Error Coefficients

Standard Error: 790000
Relative Standard Error: 8.1
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	1.0	0.187422	20.0	940017.0	0.187422	Y
2	STD8260 240-531220/10	2.0	0.318541	20.0	1011549.0	0.159271	Y
3	STD8260 240-531220/11	4.0	0.609106	20.0	983573.0	0.152276	Y
4	STD8260 240-531220/12	20.0	3.299191	20.0	1018383.0	0.16496	Y
5	ICIS 240-531220/13	40.0	7.106532	20.0	1012688.0	0.177663	Y
6	STD8260 240-531220/14	80.0	14.184201	20.0	1043186.0	0.177303	Y
7	STD8260 240-531220/15	120.0	23.20004	20.0	1027981.0	0.193334	Y
8	STD8260 240-531220/16	160.0	28.896087	20.0	1035752.0	0.180601	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

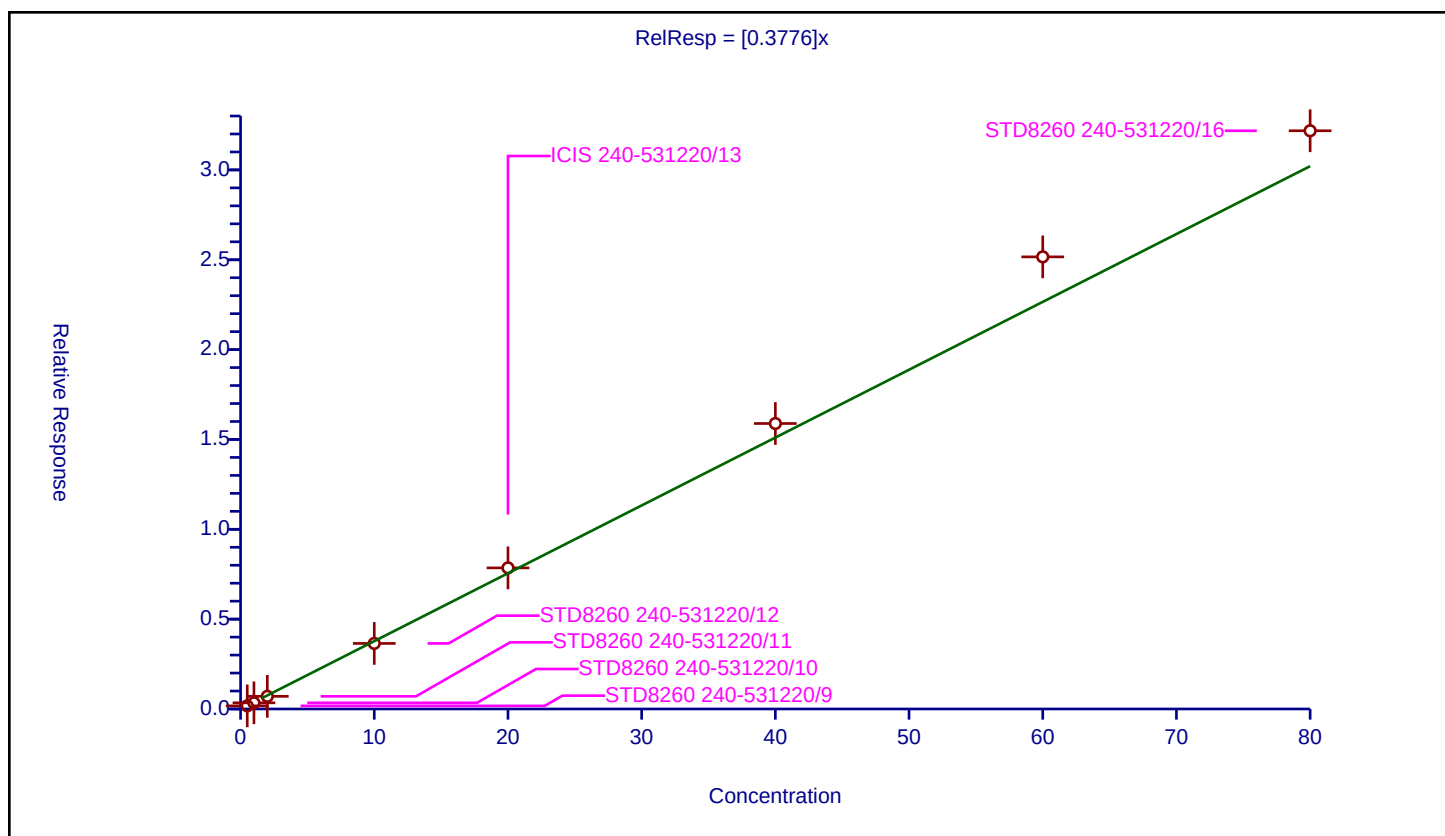
Curve Coefficients

Intercept: 0
Slope: 0.3776

Error Coefficients

Standard Error: 873000
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	STD8260 240-531220/9	0.5	0.174678	20.0	940017.0	0.349355	Y
2	STD8260 240-531220/10	1.0	0.343018	20.0	1011549.0	0.343018	Y
3	STD8260 240-531220/11	2.0	0.703984	20.0	983573.0	0.351992	Y
4	STD8260 240-531220/12	10.0	3.649099	20.0	1018383.0	0.36491	Y
5	ICIS 240-531220/13	20.0	7.853139	20.0	1012688.0	0.392657	Y
6	STD8260 240-531220/14	40.0	15.887943	20.0	1043186.0	0.397199	Y
7	STD8260 240-531220/15	60.0	25.161749	20.0	1027981.0	0.419362	Y
8	STD8260 240-531220/16	80.0	32.180001	20.0	1035752.0	0.40225	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

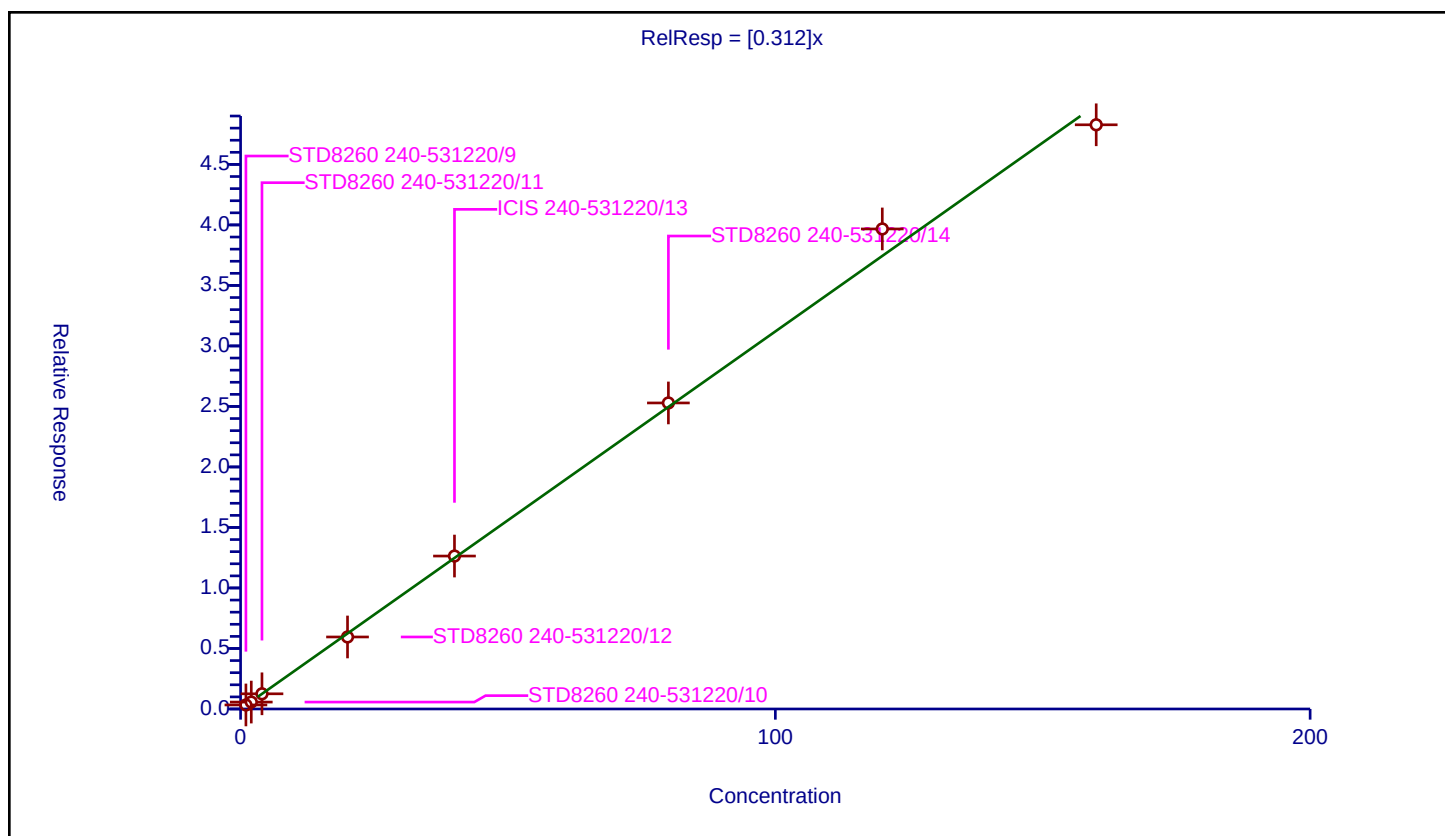
Curve Coefficients

Intercept: 0
 Slope: 0.312

Error Coefficients

Standard Error: 1340000
 Relative Standard Error: 5.3
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	1.0	0.334483	20.0	940017.0	0.334483	Y
2	STD8260 240-531220/10	2.0	0.570887	20.0	1011549.0	0.285443	Y
3	STD8260 240-531220/11	4.0	1.255769	20.0	983573.0	0.313942	Y
4	STD8260 240-531220/12	20.0	5.951749	20.0	1018383.0	0.297587	Y
5	ICIS 240-531220/13	40.0	12.638601	20.0	1012688.0	0.315965	Y
6	STD8260 240-531220/14	80.0	25.288875	20.0	1043186.0	0.316111	Y
7	STD8260 240-531220/15	120.0	39.668729	20.0	1027981.0	0.330573	Y
8	STD8260 240-531220/16	160.0	48.274684	20.0	1035752.0	0.301717	Y



Calibration

/ Toluene-d8 (Surr)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

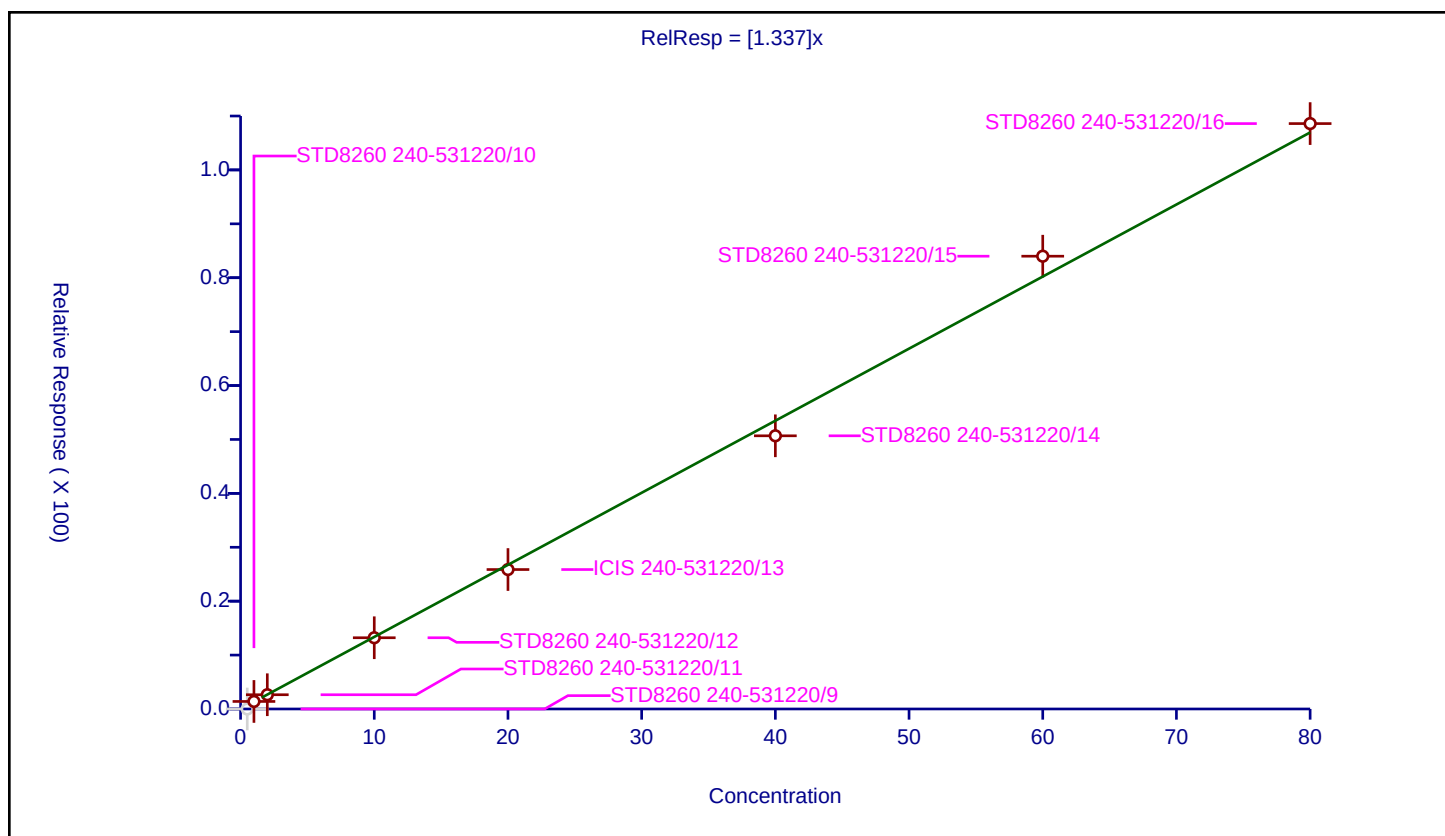
Curve Coefficients

Intercept: 0
Slope: 1.337

Error Coefficients

Standard Error: 2260000
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	STD8260 240-531220/9	0.5	0.0	20.0	665784.0	0.0	N
2	STD8260 240-531220/10	1.0	1.397679	20.0	729295.0	1.397679	Y
3	STD8260 240-531220/11	2.0	2.641888	20.0	709977.0	1.320944	Y
4	STD8260 240-531220/12	10.0	13.217276	20.0	734404.0	1.321728	Y
5	ICIS 240-531220/13	20.0	25.867062	20.0	738465.0	1.293353	Y
6	STD8260 240-531220/14	40.0	50.679812	20.0	761019.0	1.266995	Y
7	STD8260 240-531220/15	60.0	83.996718	20.0	737310.0	1.399945	Y
8	STD8260 240-531220/16	80.0	108.596634	20.0	743498.0	1.357458	Y



Calibration

/ Toluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

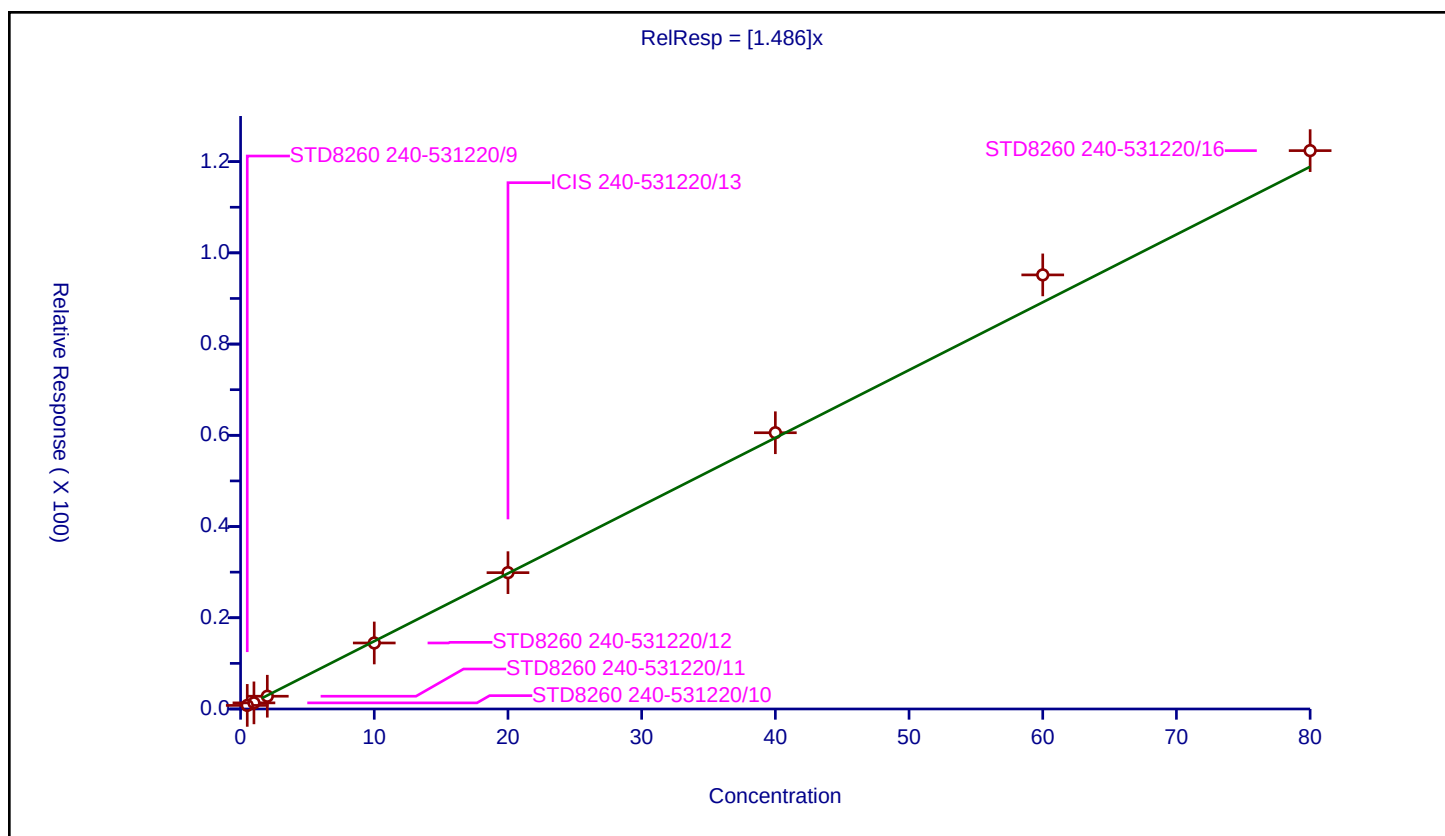
Curve Coefficients

Intercept: 0
Slope: 1.486

Error Coefficients

Standard Error: 2390000
Relative Standard Error: 5.8
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.788184	20.0	665784.0	1.576367	Y
2	STD8260 240-531220/10	1.0	1.341762	20.0	729295.0	1.341762	Y
3	STD8260 240-531220/11	2.0	2.795302	20.0	709977.0	1.397651	Y
4	STD8260 240-531220/12	10.0	14.474867	20.0	734404.0	1.447487	Y
5	ICIS 240-531220/13	20.0	29.890733	20.0	738465.0	1.494537	Y
6	STD8260 240-531220/14	40.0	60.565715	20.0	761019.0	1.514143	Y
7	STD8260 240-531220/15	60.0	95.170254	20.0	737310.0	1.586171	Y
8	STD8260 240-531220/16	80.0	122.412434	20.0	743498.0	1.530155	Y



Calibration

/ Ethyl methacrylate

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

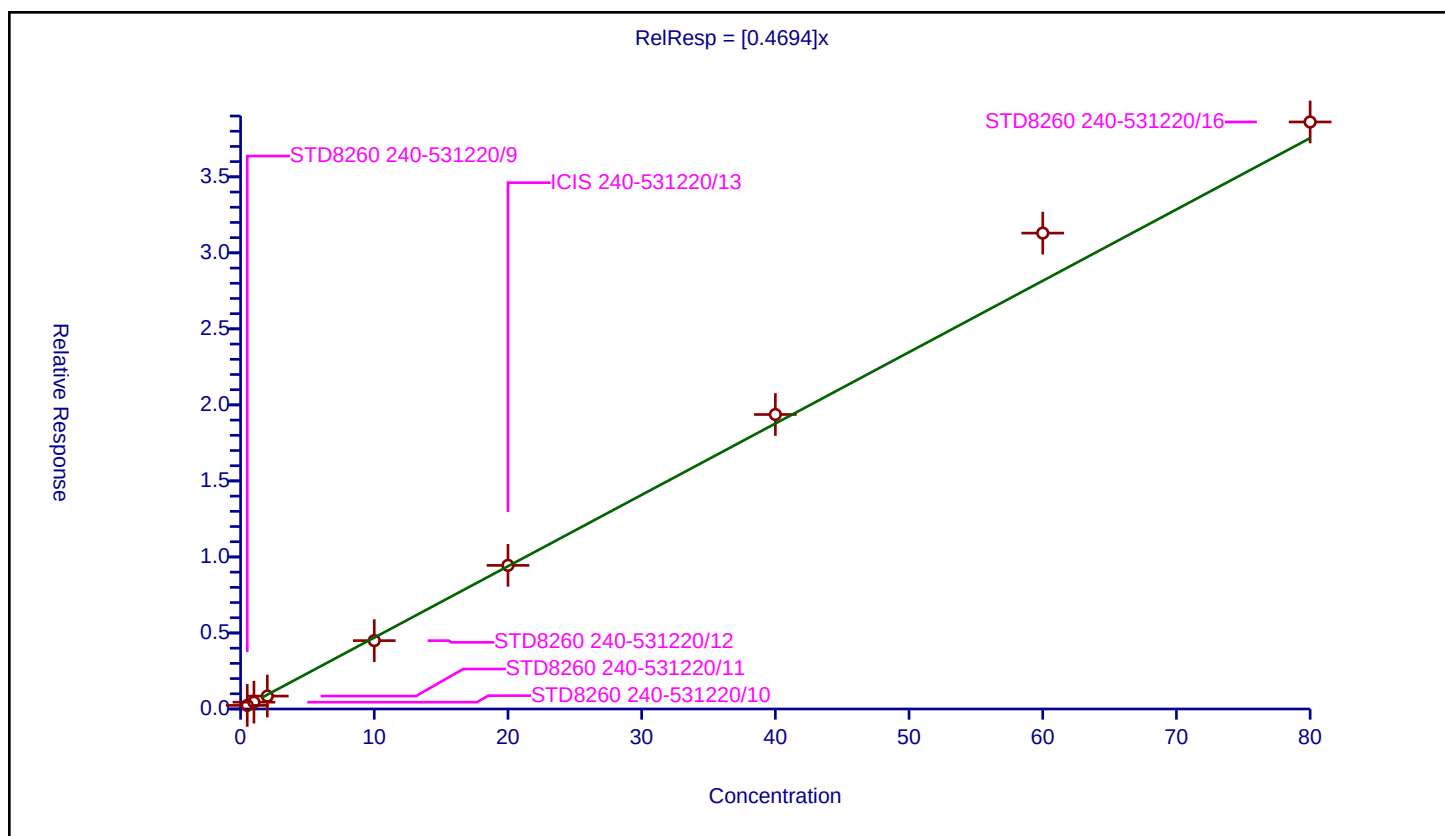
Curve Coefficients

Intercept: 0
 Slope: 0.4694

Error Coefficients

Standard Error: 764000
 Relative Standard Error: 6.2
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.235392	20.0	665784.0	0.470783	Y
2	STD8260 240-531220/10	1.0	0.448652	20.0	729295.0	0.448652	Y
3	STD8260 240-531220/11	2.0	0.850168	20.0	709977.0	0.425084	Y
4	STD8260 240-531220/12	10.0	4.495891	20.0	734404.0	0.449589	Y
5	ICIS 240-531220/13	20.0	9.44516	20.0	738465.0	0.472258	Y
6	STD8260 240-531220/14	40.0	19.368951	20.0	761019.0	0.484224	Y
7	STD8260 240-531220/15	60.0	31.299101	20.0	737310.0	0.521652	Y
8	STD8260 240-531220/16	80.0	38.609223	20.0	743498.0	0.482615	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

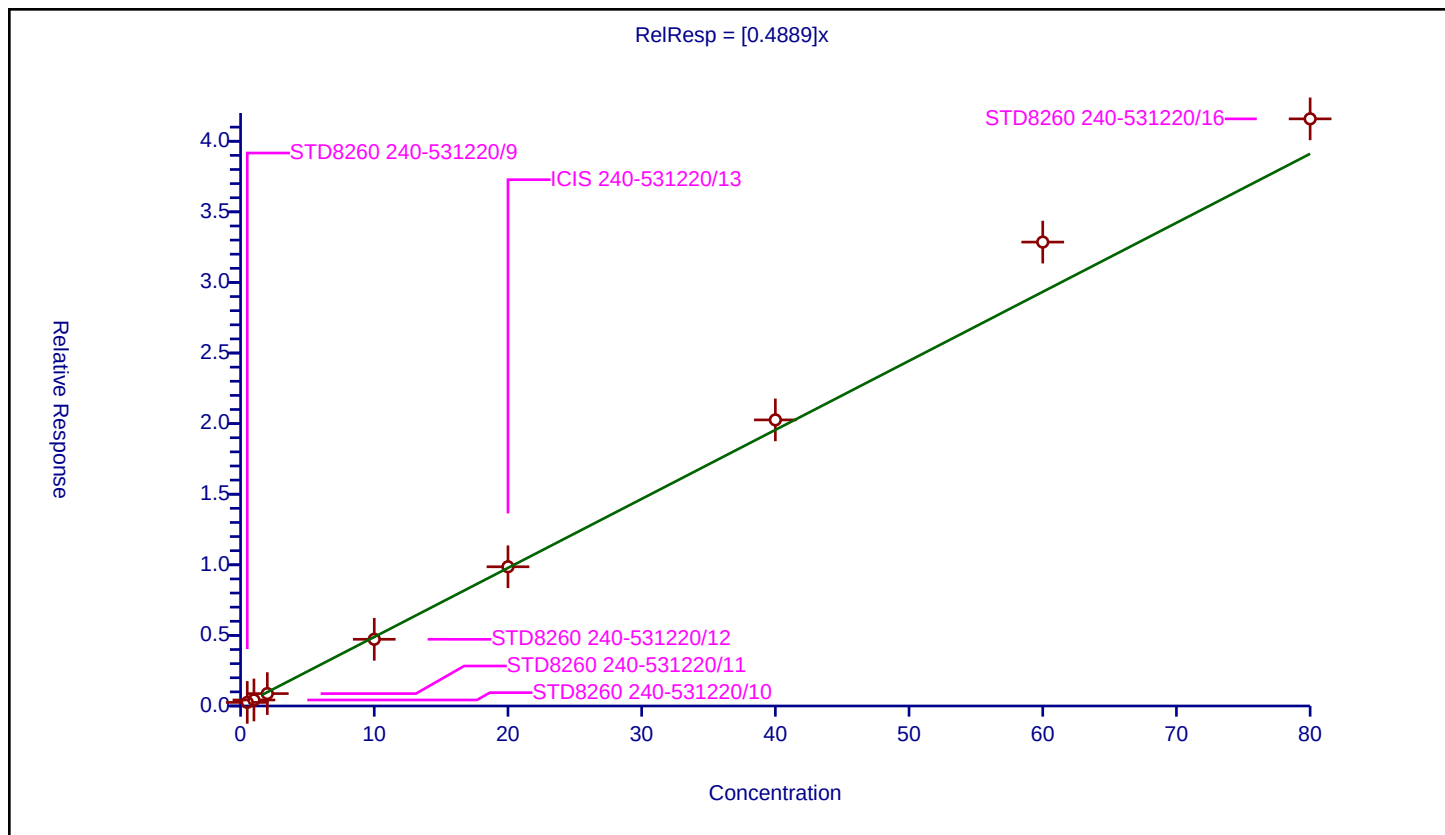
Curve Coefficients

Intercept: 0
 Slope: 0.4889

Error Coefficients

Standard Error: 812000
 Relative Standard Error: 8.4
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.253566	20.0	665784.0	0.507131	Y
2	STD8260 240-531220/10	1.0	0.425287	20.0	729295.0	0.425287	Y
3	STD8260 240-531220/11	2.0	0.878113	20.0	709977.0	0.439056	Y
4	STD8260 240-531220/12	10.0	4.72541	20.0	734404.0	0.472541	Y
5	ICIS 240-531220/13	20.0	9.859912	20.0	738465.0	0.492996	Y
6	STD8260 240-531220/14	40.0	20.26454	20.0	761019.0	0.506614	Y
7	STD8260 240-531220/15	60.0	32.859177	20.0	737310.0	0.547653	Y
8	STD8260 240-531220/16	80.0	41.587146	20.0	743498.0	0.519839	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

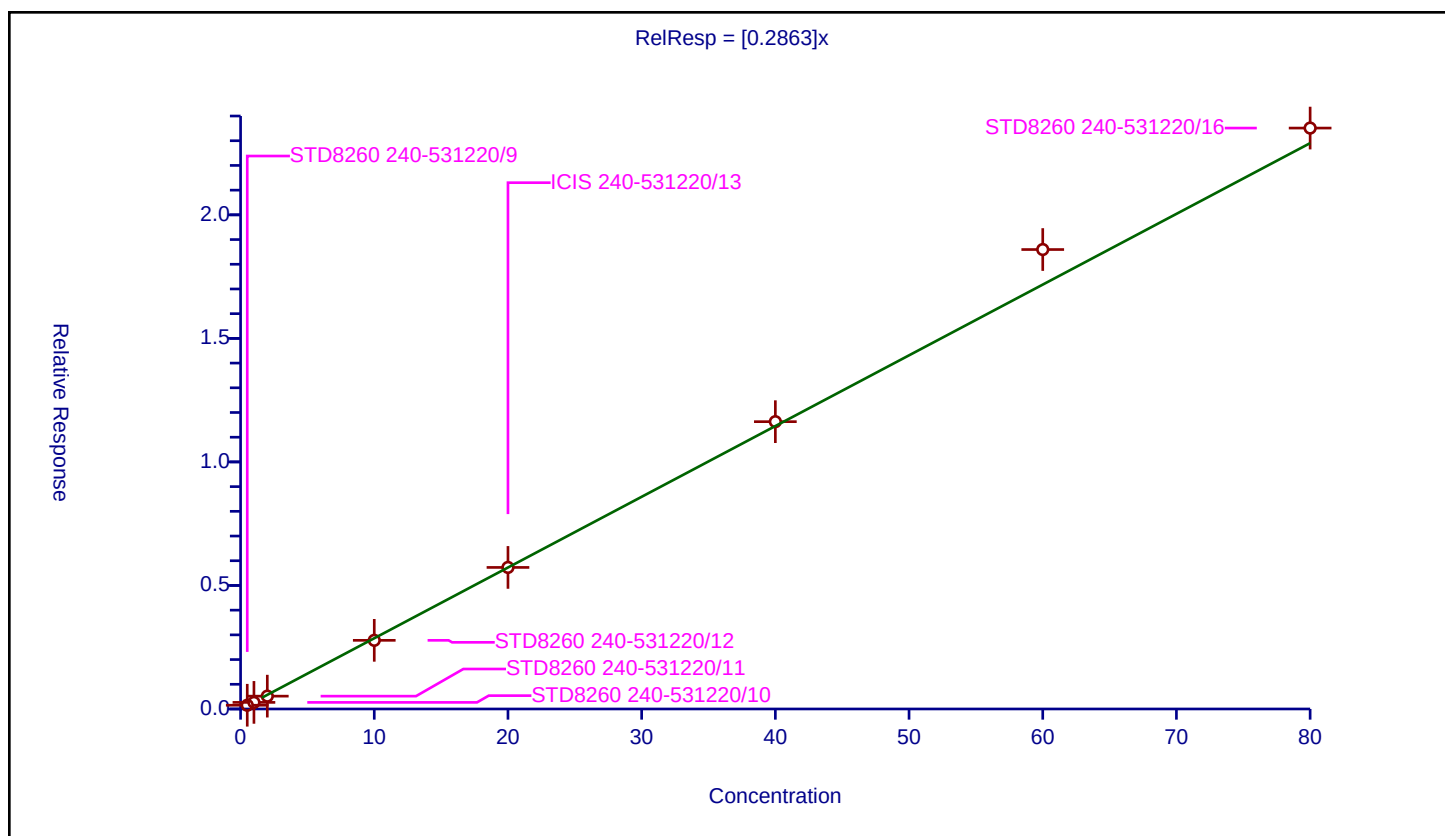
Curve Coefficients

Intercept: 0
Slope: 0.2863

Error Coefficients

Standard Error: 461000
Relative Standard Error: 6.0
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.151971	20.0	665784.0	0.303942	Y
2	STD8260 240-531220/10	1.0	0.267299	20.0	729295.0	0.267299	Y
3	STD8260 240-531220/11	2.0	0.520101	20.0	709977.0	0.260051	Y
4	STD8260 240-531220/12	10.0	2.778226	20.0	734404.0	0.277823	Y
5	ICIS 240-531220/13	20.0	5.729425	20.0	738465.0	0.286471	Y
6	STD8260 240-531220/14	40.0	11.629171	20.0	761019.0	0.290729	Y
7	STD8260 240-531220/15	60.0	18.596438	20.0	737310.0	0.309941	Y
8	STD8260 240-531220/16	80.0	23.512182	20.0	743498.0	0.293902	Y



Calibration

/ Tetrachloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

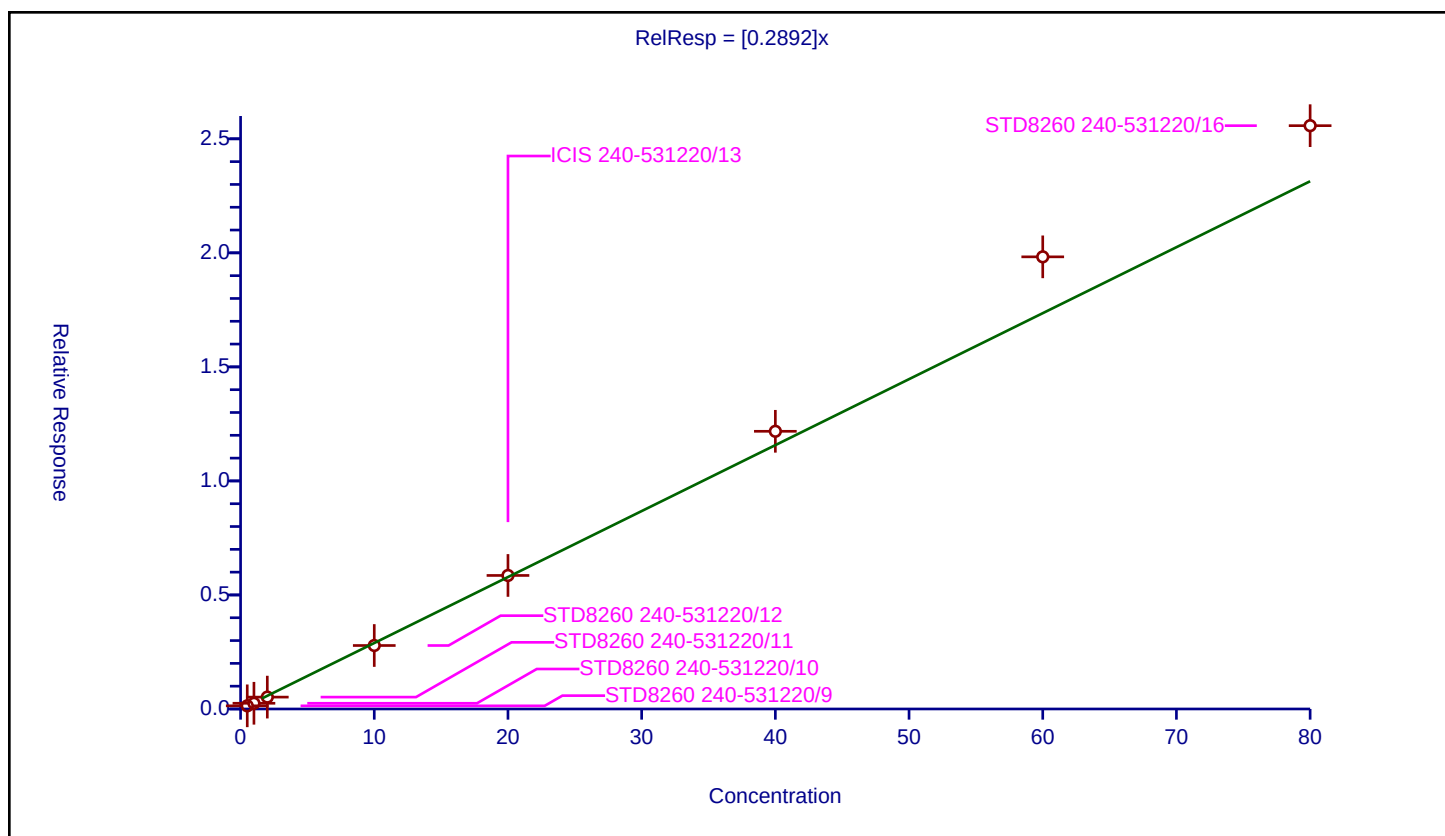
Curve Coefficients

Intercept: 0
Slope: 0.2892

Error Coefficients

Standard Error: 494000
Relative Standard Error: 9.7
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.138724	20.0	665784.0	0.277447	Y
2	STD8260 240-531220/10	1.0	0.25068	20.0	729295.0	0.25068	Y
3	STD8260 240-531220/11	2.0	0.520355	20.0	709977.0	0.260177	Y
4	STD8260 240-531220/12	10.0	2.783645	20.0	734404.0	0.278364	Y
5	ICIS 240-531220/13	20.0	5.854495	20.0	738465.0	0.292725	Y
6	STD8260 240-531220/14	40.0	12.175754	20.0	761019.0	0.304394	Y
7	STD8260 240-531220/15	60.0	19.824931	20.0	737310.0	0.330416	Y
8	STD8260 240-531220/16	80.0	25.577231	20.0	743498.0	0.319715	Y



Calibration

/ 1,3-Dichloropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

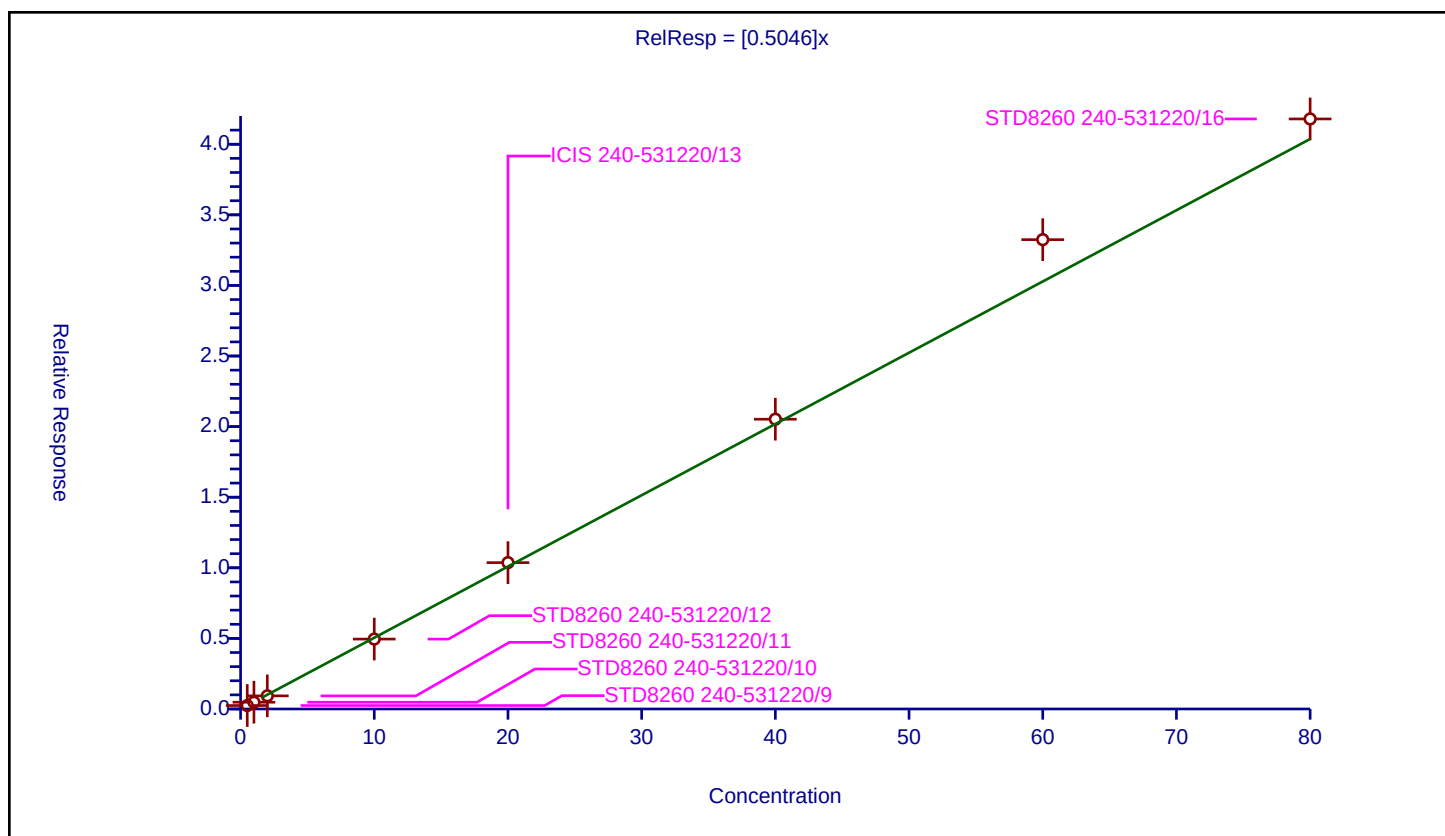
Curve Coefficients

Intercept: 0
Slope: 0.5046

Error Coefficients

Standard Error: 820000
Relative Standard Error: 5.6
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.245185	20.0	665784.0	0.490369	Y
2	STD8260 240-531220/10	1.0	0.478873	20.0	729295.0	0.478873	Y
3	STD8260 240-531220/11	2.0	0.929664	20.0	709977.0	0.464832	Y
4	STD8260 240-531220/12	10.0	4.951335	20.0	734404.0	0.495133	Y
5	ICIS 240-531220/13	20.0	10.367424	20.0	738465.0	0.518371	Y
6	STD8260 240-531220/14	40.0	20.524954	20.0	761019.0	0.513124	Y
7	STD8260 240-531220/15	60.0	33.243602	20.0	737310.0	0.55406	Y
8	STD8260 240-531220/16	80.0	41.792069	20.0	743498.0	0.522401	Y



Calibration

/ 2-Hexanone

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

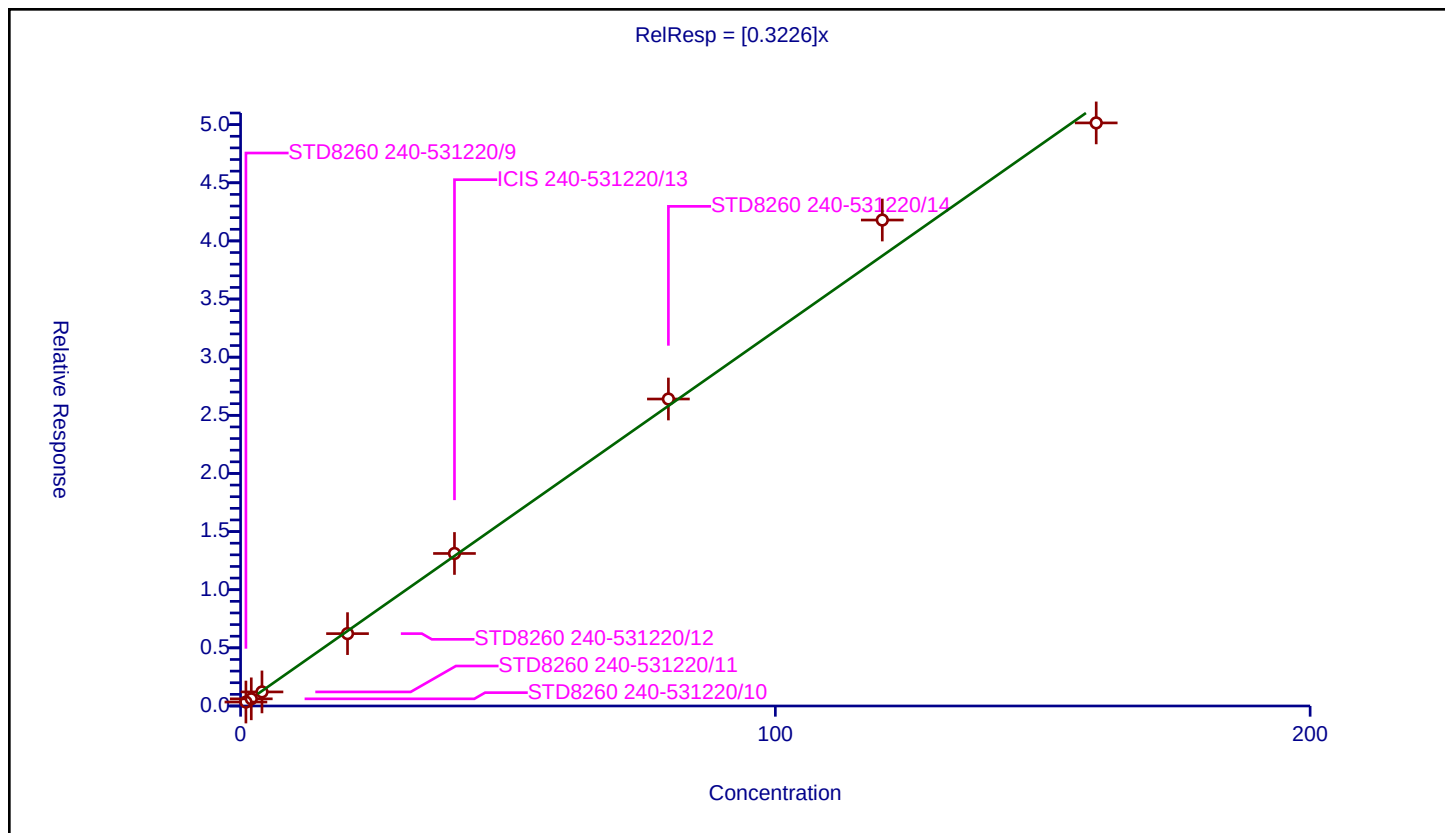
Curve Coefficients

Intercept: 0
 Slope: 0.3226

Error Coefficients

Standard Error: 1010000
 Relative Standard Error: 5.1
 Correlation Coefficient: 0.996
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	1.0	0.34011	20.0	665784.0	0.34011	Y
2	STD8260 240-531220/10	2.0	0.615581	20.0	729295.0	0.30779	Y
3	STD8260 240-531220/11	4.0	1.208997	20.0	709977.0	0.302249	Y
4	STD8260 240-531220/12	20.0	6.223659	20.0	734404.0	0.311183	Y
5	ICIS 240-531220/13	40.0	13.11702	20.0	738465.0	0.327925	Y
6	STD8260 240-531220/14	80.0	26.402311	20.0	761019.0	0.330029	Y
7	STD8260 240-531220/15	120.0	41.795473	20.0	737310.0	0.348296	Y
8	STD8260 240-531220/16	160.0	50.149079	20.0	743498.0	0.313432	Y



Calibration

/ Chlorodibromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

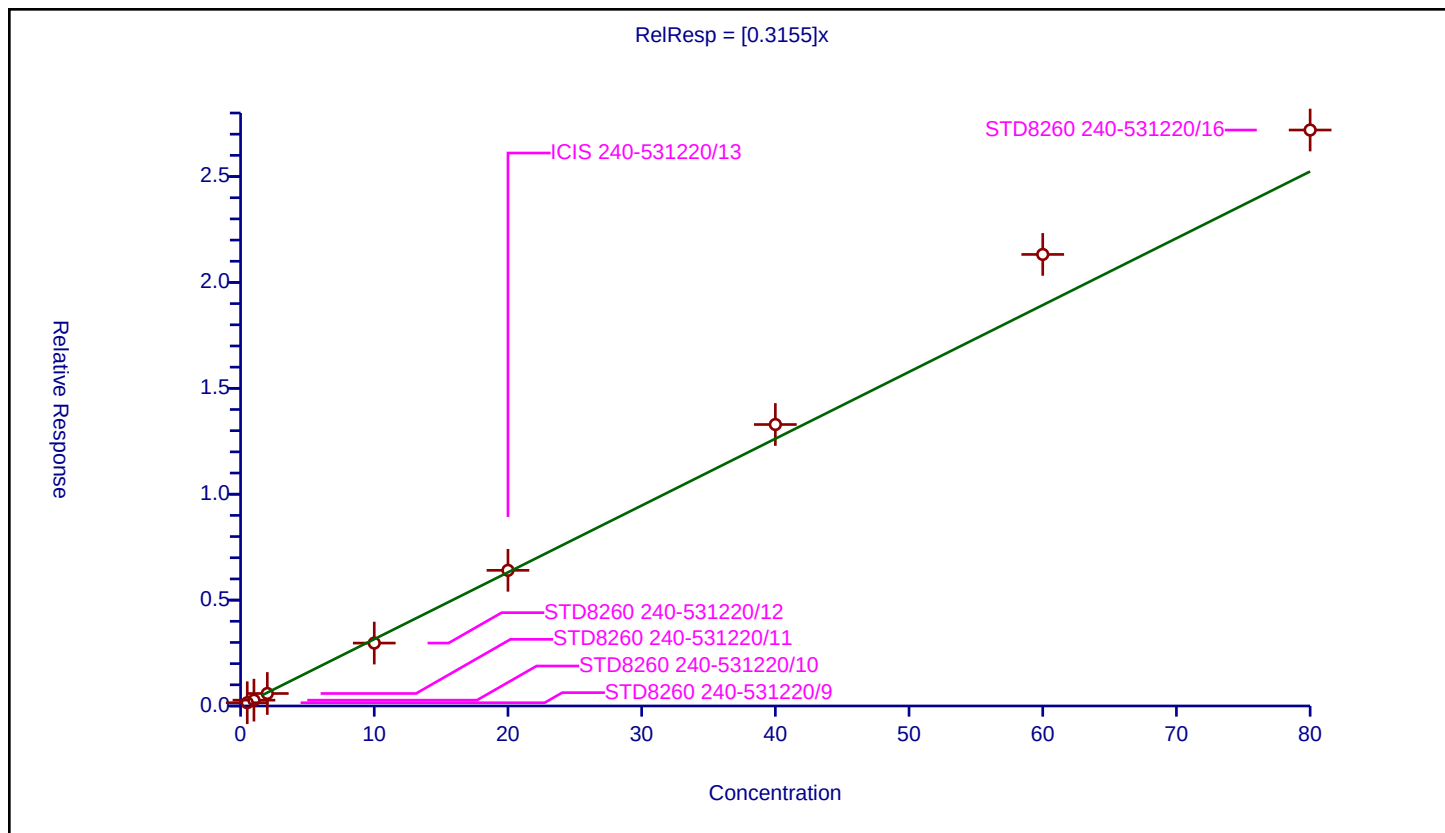
Curve Coefficients

Intercept: 0
Slope: 0.3155

Error Coefficients

Standard Error: 530000
Relative Standard Error: 8.4
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.154284	20.0	665784.0	0.308569	Y
2	STD8260 240-531220/10	1.0	0.275609	20.0	729295.0	0.275609	Y
3	STD8260 240-531220/11	2.0	0.589484	20.0	709977.0	0.294742	Y
4	STD8260 240-531220/12	10.0	2.970953	20.0	734404.0	0.297095	Y
5	ICIS 240-531220/13	20.0	6.406072	20.0	738465.0	0.320304	Y
6	STD8260 240-531220/14	40.0	13.291757	20.0	761019.0	0.332294	Y
7	STD8260 240-531220/15	60.0	21.322537	20.0	737310.0	0.355376	Y
8	STD8260 240-531220/16	80.0	27.197087	20.0	743498.0	0.339964	Y



Calibration

/ Ethylene Dibromide

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

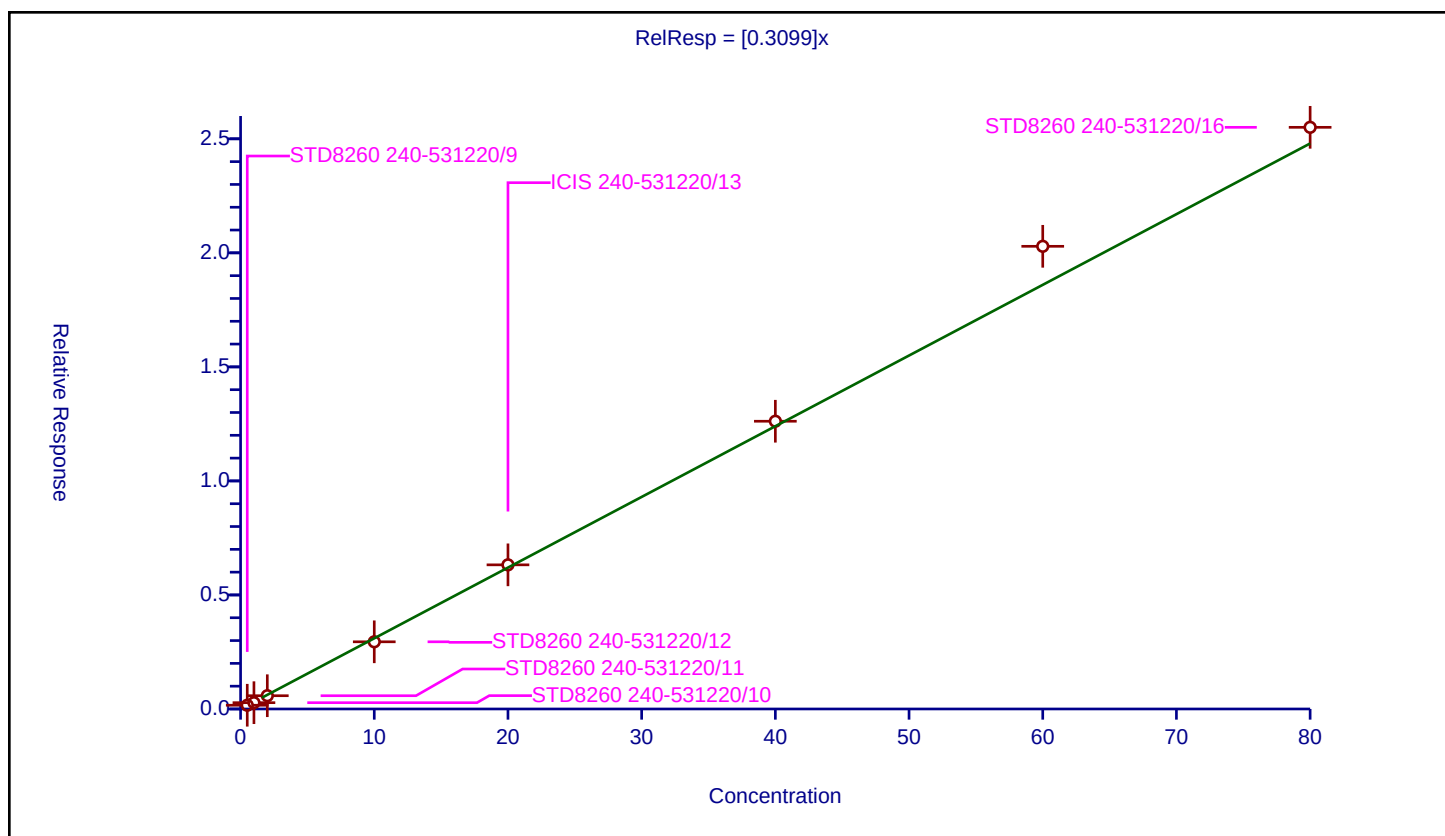
Curve Coefficients

Intercept: 0
Slope: 0.3099

Error Coefficients

Standard Error: 501000
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	STD8260 240-531220/9	0.5	0.164708	20.0	665784.0	0.329416	Y
2	STD8260 240-531220/10	1.0	0.276185	20.0	729295.0	0.276185	Y
3	STD8260 240-531220/11	2.0	0.582103	20.0	709977.0	0.291052	Y
4	STD8260 240-531220/12	10.0	2.94549	20.0	734404.0	0.294549	Y
5	ICIS 240-531220/13	20.0	6.320841	20.0	738465.0	0.316042	Y
6	STD8260 240-531220/14	40.0	12.617188	20.0	761019.0	0.31543	Y
7	STD8260 240-531220/15	60.0	20.286664	20.0	737310.0	0.338111	Y
8	STD8260 240-531220/16	80.0	25.504413	20.0	743498.0	0.318805	Y



Calibration

/ Chlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

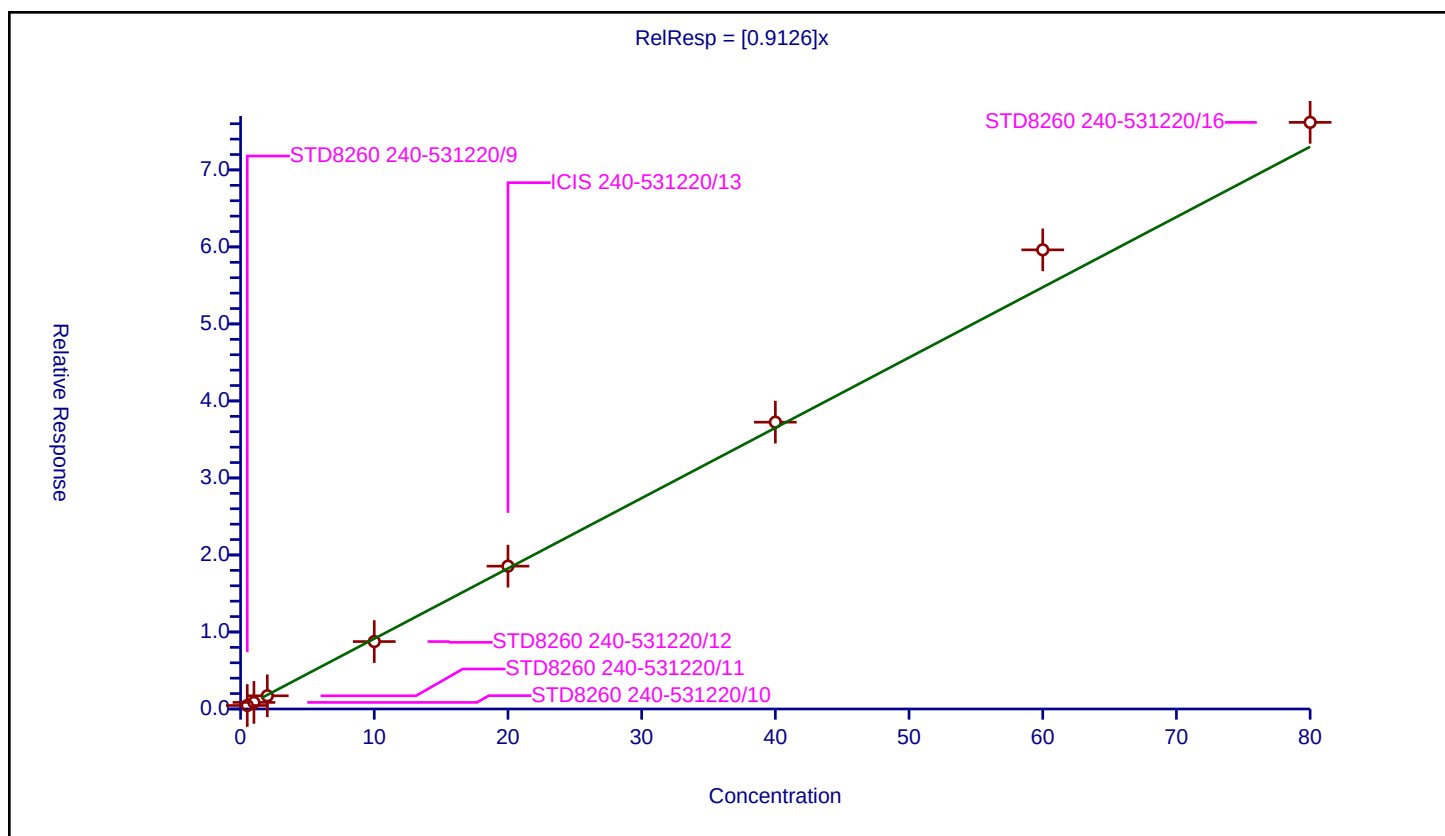
Curve Coefficients

Intercept: 0
 Slope: 0.9126

Error Coefficients

Standard Error: 1480000
 Relative Standard Error: 5.4
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.456875	20.0	665784.0	0.91375	Y
2	STD8260 240-531220/10	1.0	0.852028	20.0	729295.0	0.852028	Y
3	STD8260 240-531220/11	2.0	1.710985	20.0	709977.0	0.855493	Y
4	STD8260 240-531220/12	10.0	8.755236	20.0	734404.0	0.875524	Y
5	ICIS 240-531220/13	20.0	18.547988	20.0	738465.0	0.927399	Y
6	STD8260 240-531220/14	40.0	37.244642	20.0	761019.0	0.931116	Y
7	STD8260 240-531220/15	60.0	59.618885	20.0	737310.0	0.993648	Y
8	STD8260 240-531220/16	80.0	76.176452	20.0	743498.0	0.952206	Y



Calibration

/ 1,1,1,2-Tetrachloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

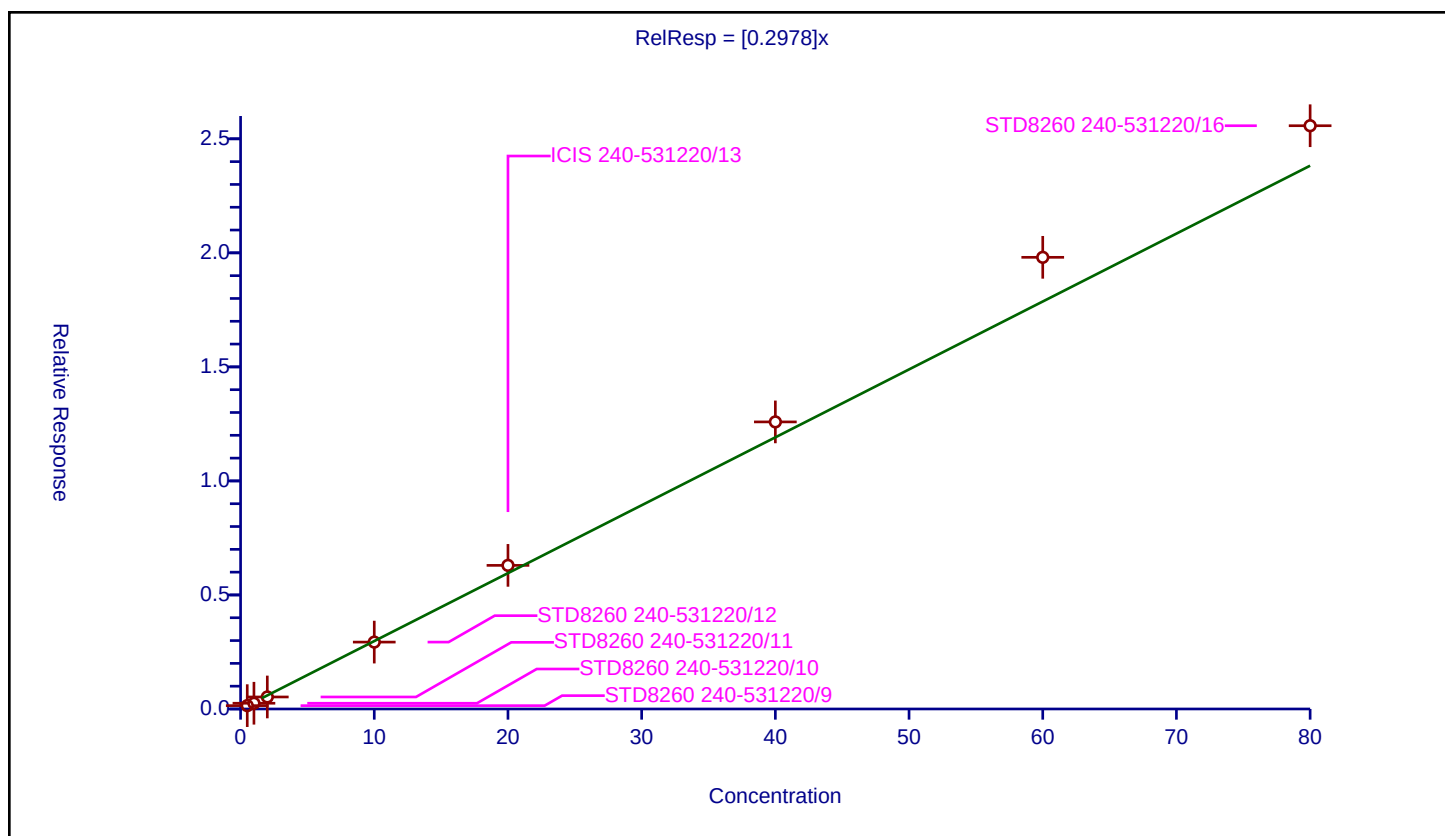
Curve Coefficients

Intercept: 0
 Slope: 0.2978

Error Coefficients

Standard Error: 497000
 Relative Standard Error: 9.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.147195	20.0	665784.0	0.29439	Y
2	STD8260 240-531220/10	1.0	0.25164	20.0	729295.0	0.25164	Y
3	STD8260 240-531220/11	2.0	0.527172	20.0	709977.0	0.263586	Y
4	STD8260 240-531220/12	10.0	2.932827	20.0	734404.0	0.293283	Y
5	ICIS 240-531220/13	20.0	6.296737	20.0	738465.0	0.314837	Y
6	STD8260 240-531220/14	40.0	12.587202	20.0	761019.0	0.31468	Y
7	STD8260 240-531220/15	60.0	19.803638	20.0	737310.0	0.330061	Y
8	STD8260 240-531220/16	80.0	25.574917	20.0	743498.0	0.319686	Y



Calibration

/ Ethylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

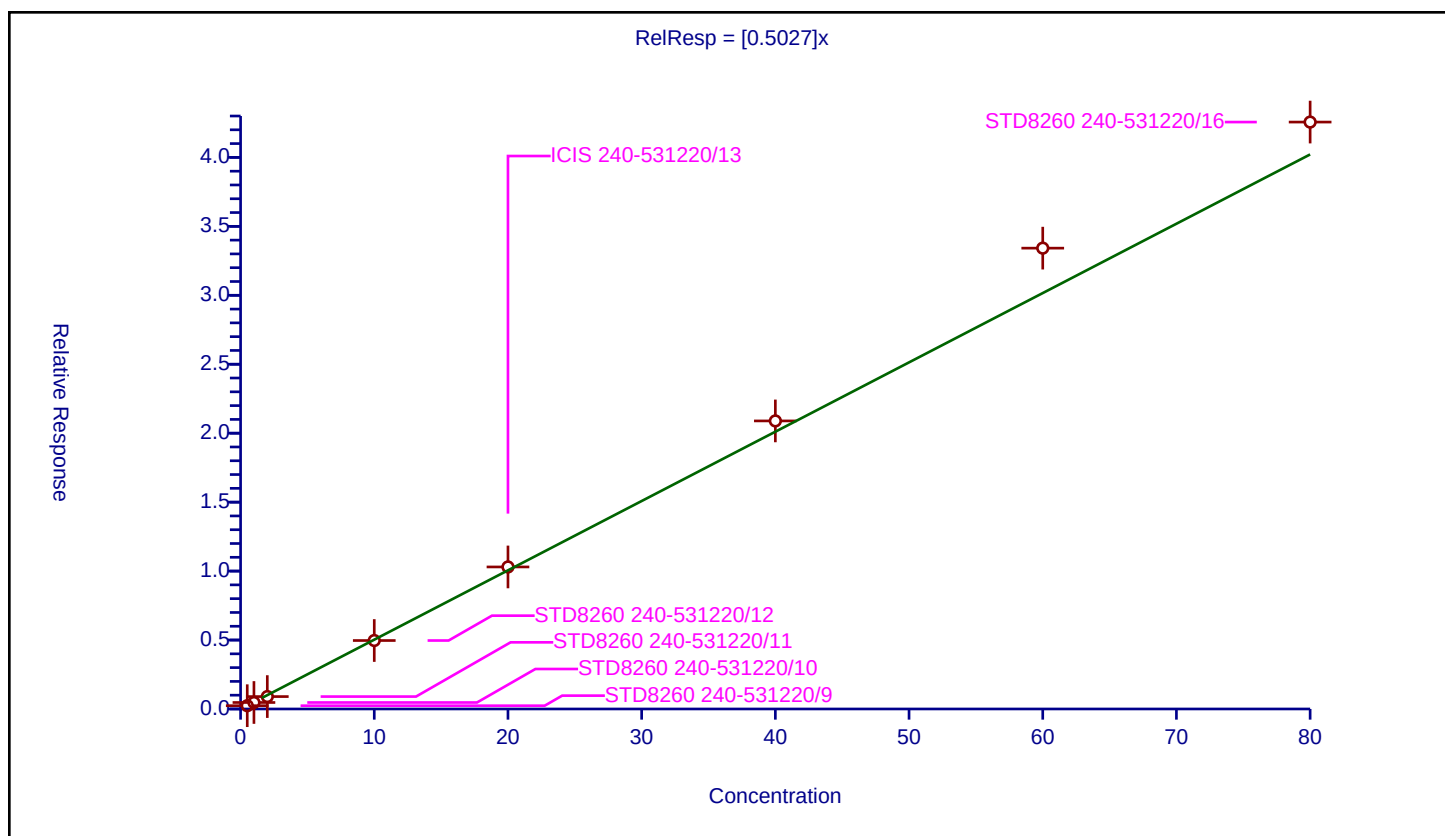
Curve Coefficients

Intercept: 0
 Slope: 0.5027

Error Coefficients

Standard Error: 831000
 Relative Standard Error: 7.0
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.238726	20.0	665784.0	0.477452	Y
2	STD8260 240-531220/10	1.0	0.471716	20.0	729295.0	0.471716	Y
3	STD8260 240-531220/11	2.0	0.899297	20.0	709977.0	0.449648	Y
4	STD8260 240-531220/12	10.0	4.964189	20.0	734404.0	0.496419	Y
5	ICIS 240-531220/13	20.0	10.2995	20.0	738465.0	0.514975	Y
6	STD8260 240-531220/14	40.0	20.888756	20.0	761019.0	0.522219	Y
7	STD8260 240-531220/15	60.0	33.418969	20.0	737310.0	0.556983	Y
8	STD8260 240-531220/16	80.0	42.560195	20.0	743498.0	0.532002	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

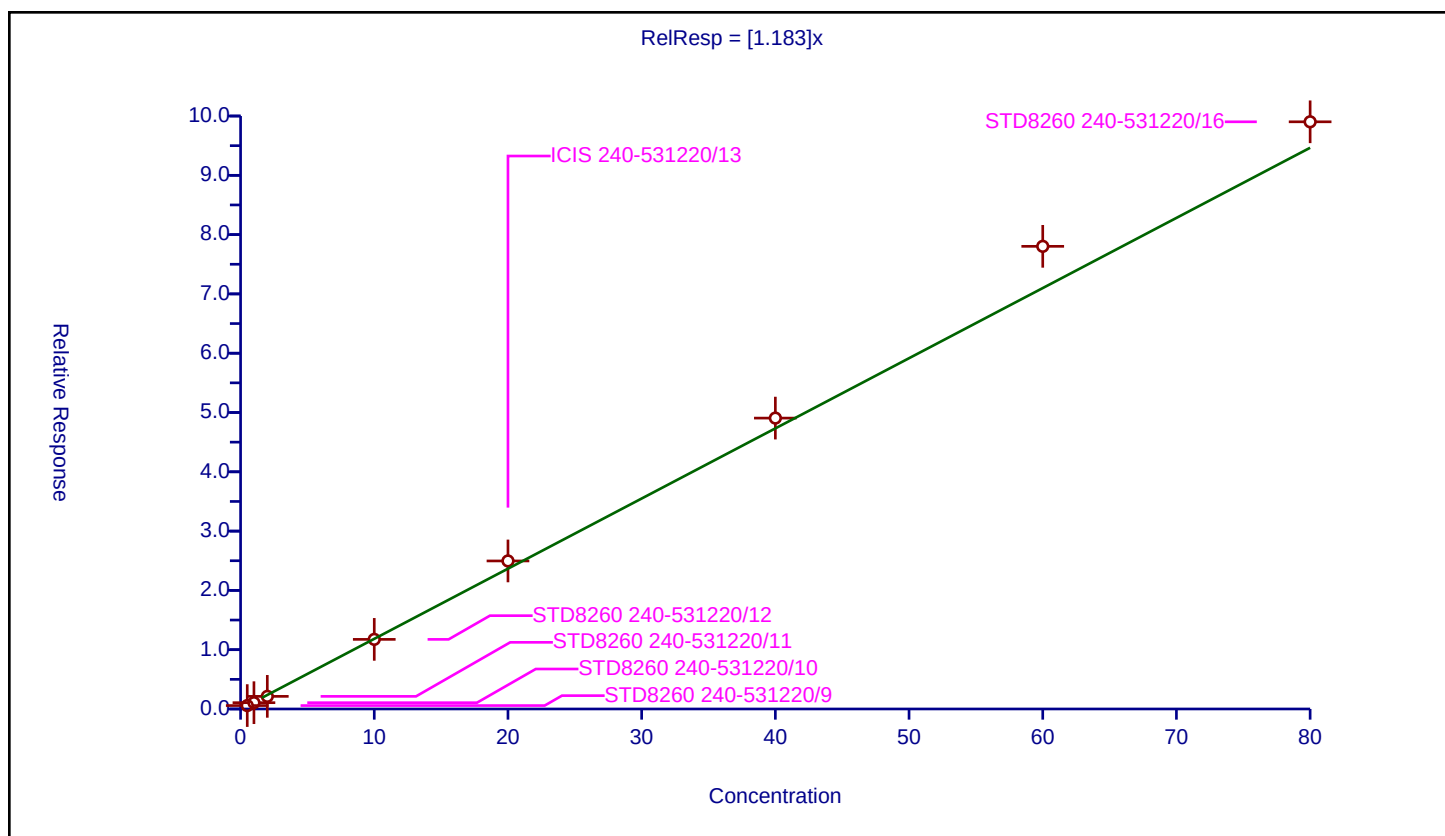
Curve Coefficients

Intercept: 0
 Slope: 1.183

Error Coefficients

Standard Error: 1940000
 Relative Standard Error: 7.3
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.575592	20.0	665784.0	1.151184	Y
2	STD8260 240-531220/10	1.0	1.062478	20.0	729295.0	1.062478	Y
3	STD8260 240-531220/11	2.0	2.127815	20.0	709977.0	1.063908	Y
4	STD8260 240-531220/12	10.0	11.740513	20.0	734404.0	1.174051	Y
5	ICIS 240-531220/13	20.0	24.966952	20.0	738465.0	1.248348	Y
6	STD8260 240-531220/14	40.0	49.058486	20.0	761019.0	1.226462	Y
7	STD8260 240-531220/15	60.0	78.021565	20.0	737310.0	1.300359	Y
8	STD8260 240-531220/16	80.0	99.02305	20.0	743498.0	1.237788	Y



Calibration

/ o-Xylene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

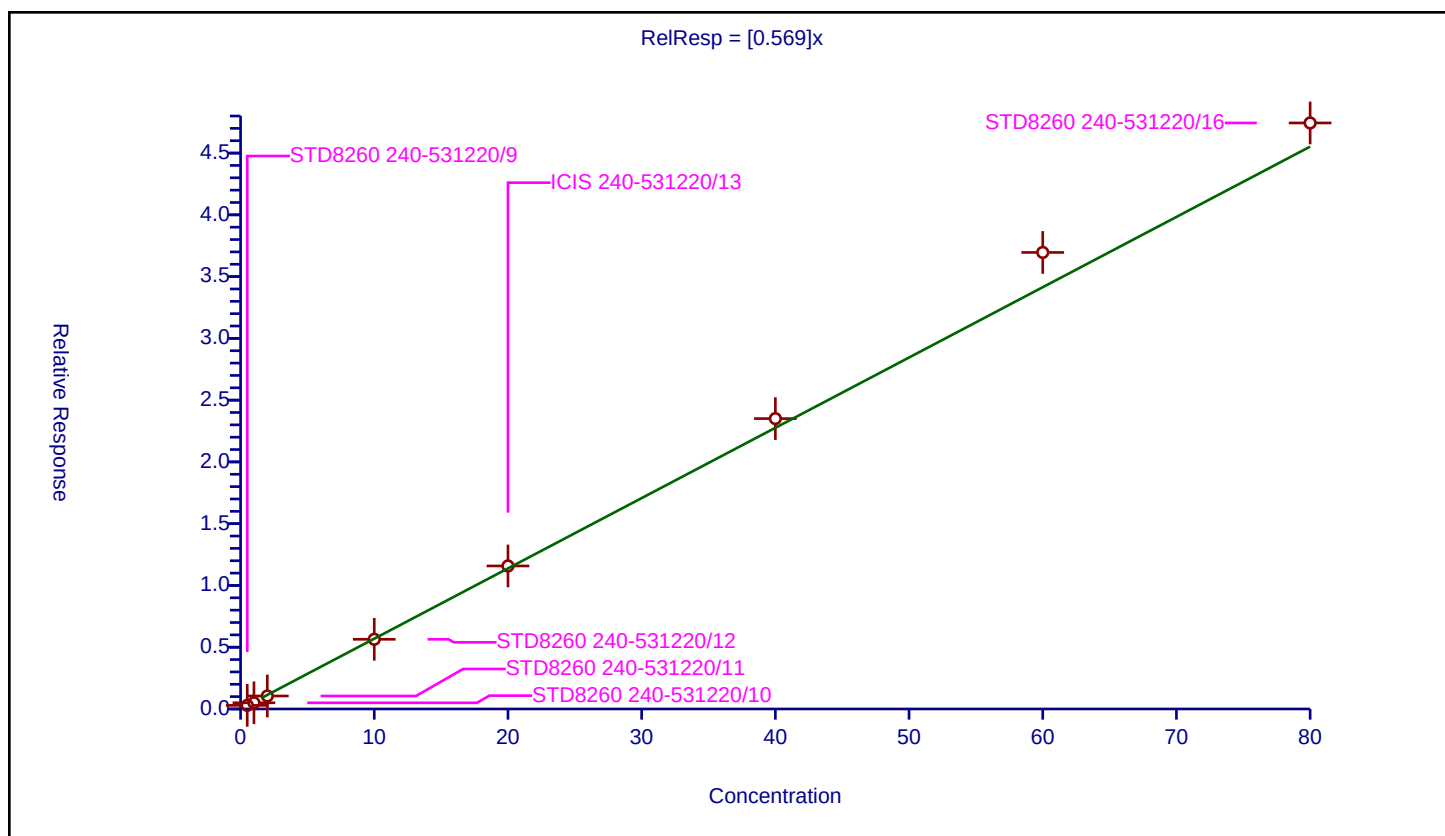
Curve Coefficients

Intercept: 0
Slope: 0.569

Error Coefficients

Standard Error: 925000
Relative Standard Error: 6.6
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.292587	20.0	665784.0	0.585175	Y
2	STD8260 240-531220/10	1.0	0.501498	20.0	729295.0	0.501498	Y
3	STD8260 240-531220/11	2.0	1.05195	20.0	709977.0	0.525975	Y
4	STD8260 240-531220/12	10.0	5.640492	20.0	734404.0	0.564049	Y
5	ICIS 240-531220/13	20.0	11.577664	20.0	738465.0	0.578883	Y
6	STD8260 240-531220/14	40.0	23.505221	20.0	761019.0	0.587631	Y
7	STD8260 240-531220/15	60.0	36.956287	20.0	737310.0	0.615938	Y
8	STD8260 240-531220/16	80.0	47.438621	20.0	743498.0	0.592983	Y



Calibration

/ Styrene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

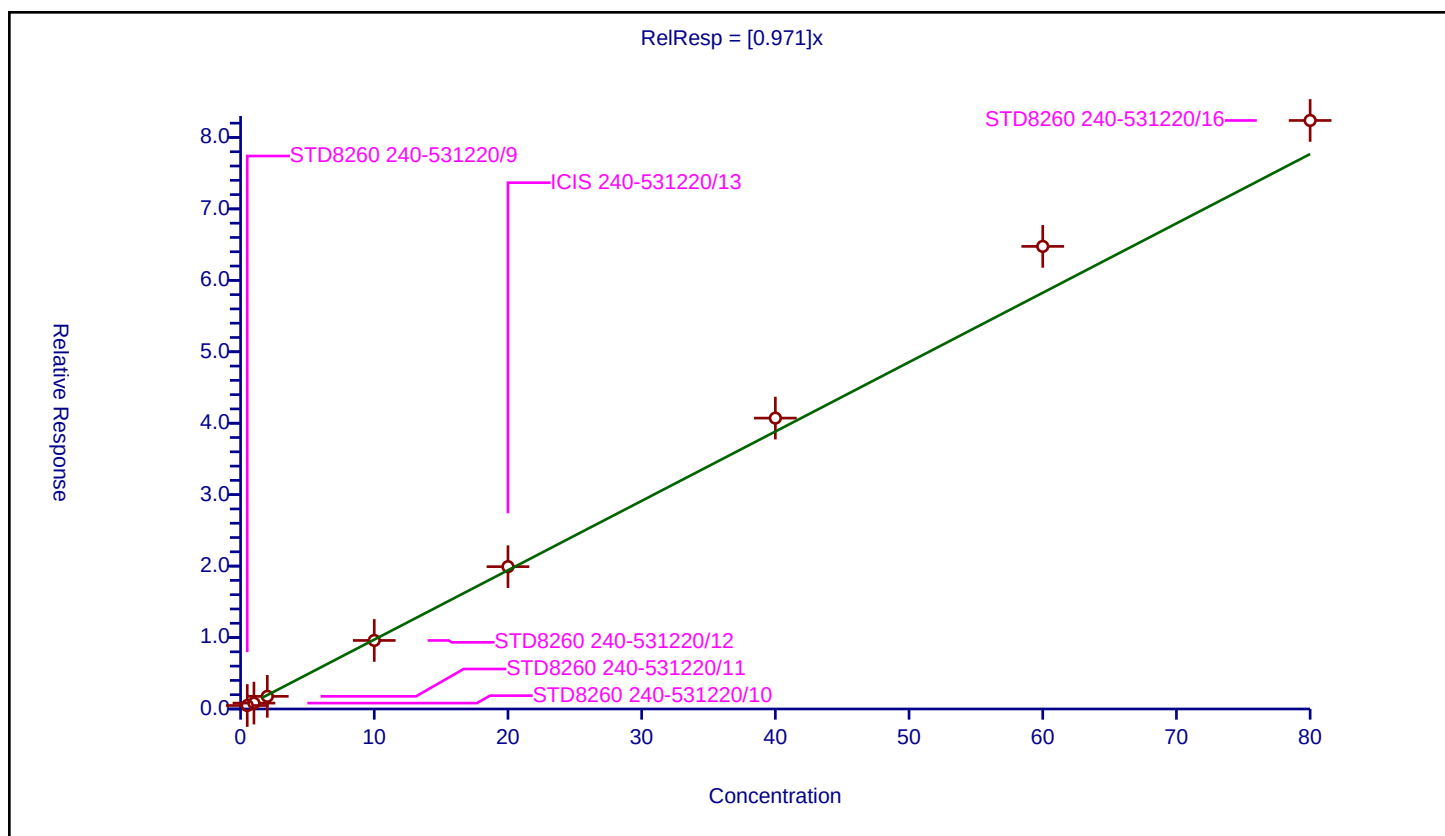
Curve Coefficients

Intercept: 0
Slope: 0.971

Error Coefficients

Standard Error: 1610000
Relative Standard Error: 8.5
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.488687	20.0	665784.0	0.977374	Y
2	STD8260 240-531220/10	1.0	0.821506	20.0	729295.0	0.821506	Y
3	STD8260 240-531220/11	2.0	1.772649	20.0	709977.0	0.886324	Y
4	STD8260 240-531220/12	10.0	9.594528	20.0	734404.0	0.959453	Y
5	ICIS 240-531220/13	20.0	19.924465	20.0	738465.0	0.996223	Y
6	STD8260 240-531220/14	40.0	40.717512	20.0	761019.0	1.017938	Y
7	STD8260 240-531220/15	60.0	64.749563	20.0	737310.0	1.079159	Y
8	STD8260 240-531220/16	80.0	82.376388	20.0	743498.0	1.029705	Y



Calibration

/ Bromoform

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

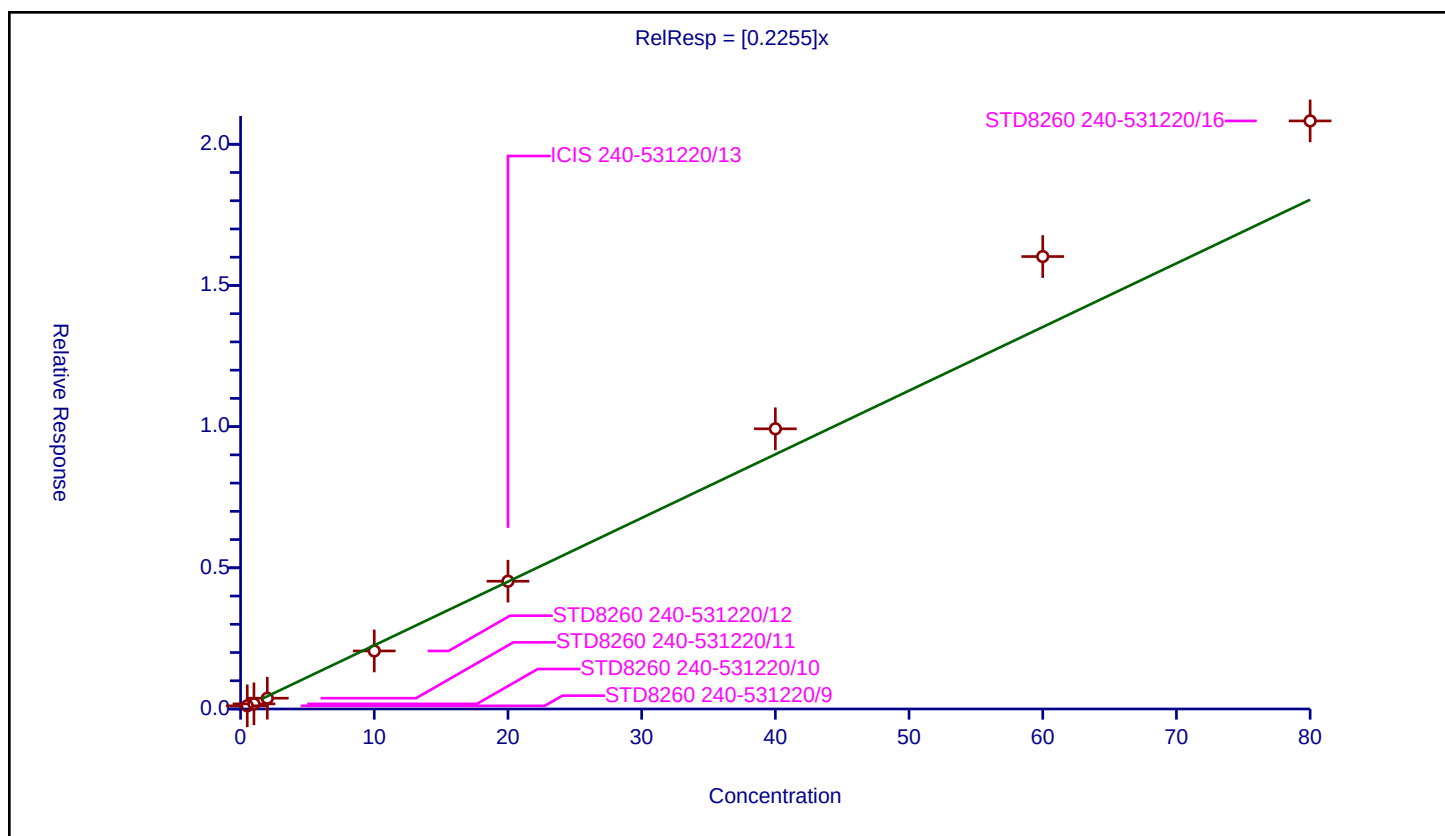
Curve Coefficients

Intercept: 0
 Slope: 0.2255

Error Coefficients

Standard Error: 401000
 Relative Standard Error: 14.0
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.111808	20.0	665784.0	0.223616	Y
2	STD8260 240-531220/10	1.0	0.181874	20.0	729295.0	0.181874	Y
3	STD8260 240-531220/11	2.0	0.381815	20.0	709977.0	0.190908	Y
4	STD8260 240-531220/12	10.0	2.055926	20.0	734404.0	0.205593	Y
5	ICIS 240-531220/13	20.0	4.524602	20.0	738465.0	0.22623	Y
6	STD8260 240-531220/14	40.0	9.922091	20.0	761019.0	0.248052	Y
7	STD8260 240-531220/15	60.0	16.022704	20.0	737310.0	0.267045	Y
8	STD8260 240-531220/16	80.0	20.826203	20.0	743498.0	0.260328	Y



Calibration

/ Isopropylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

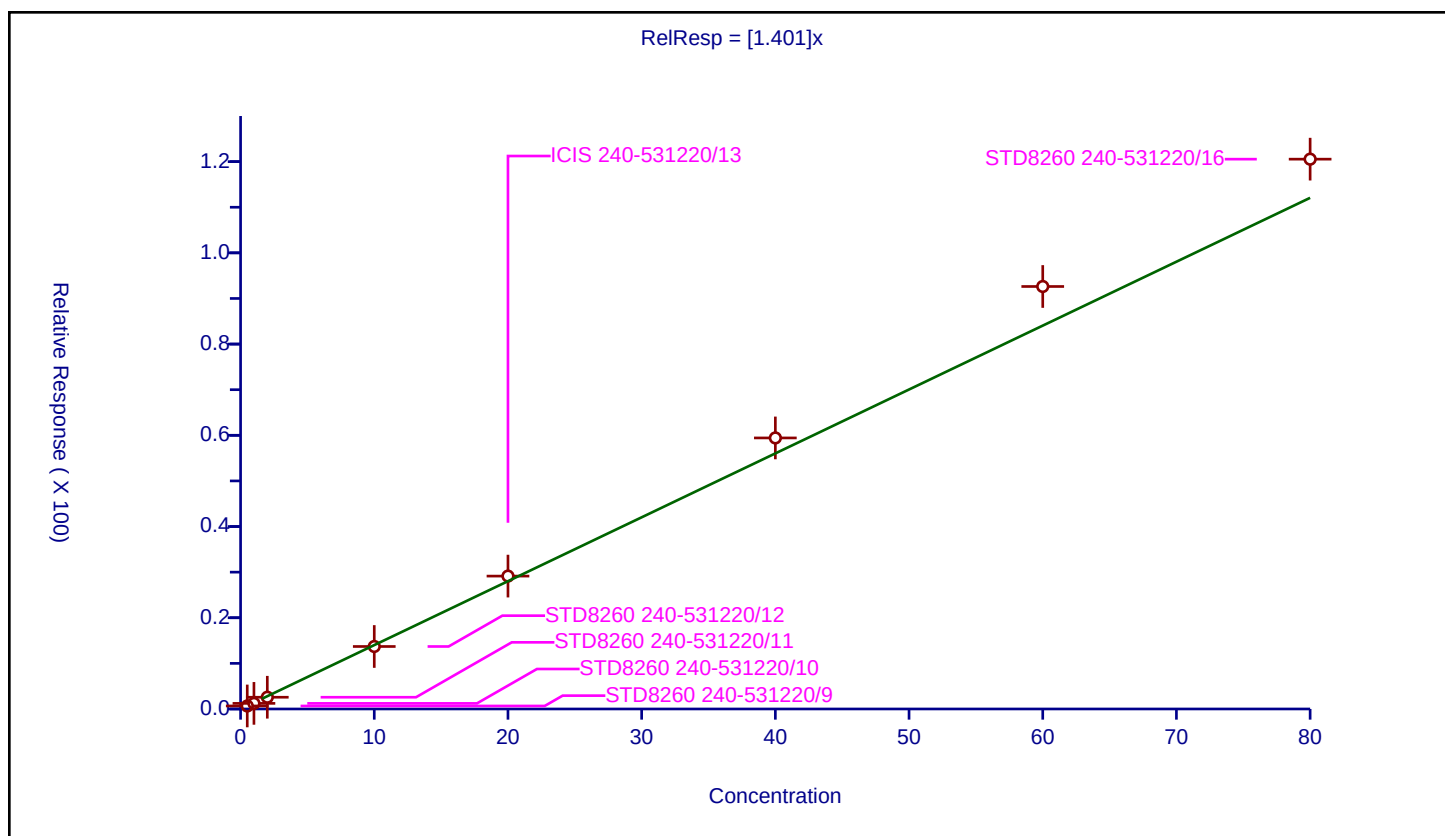
Curve Coefficients

Intercept: 0
 Slope: 1.401

Error Coefficients

Standard Error: 2340000
 Relative Standard Error: 8.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.661506	20.0	665784.0	1.323012	Y
2	STD8260 240-531220/10	1.0	1.232368	20.0	729295.0	1.232368	Y
3	STD8260 240-531220/11	2.0	2.576168	20.0	709977.0	1.288084	Y
4	STD8260 240-531220/12	10.0	13.701478	20.0	734404.0	1.370148	Y
5	ICIS 240-531220/13	20.0	29.131834	20.0	738465.0	1.456592	Y
6	STD8260 240-531220/14	40.0	59.421959	20.0	761019.0	1.485549	Y
7	STD8260 240-531220/15	60.0	92.626575	20.0	737310.0	1.543776	Y
8	STD8260 240-531220/16	80.0	120.541279	20.0	743498.0	1.506766	Y



Calibration

/ 4-Bromofluorobenzene (Surr)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

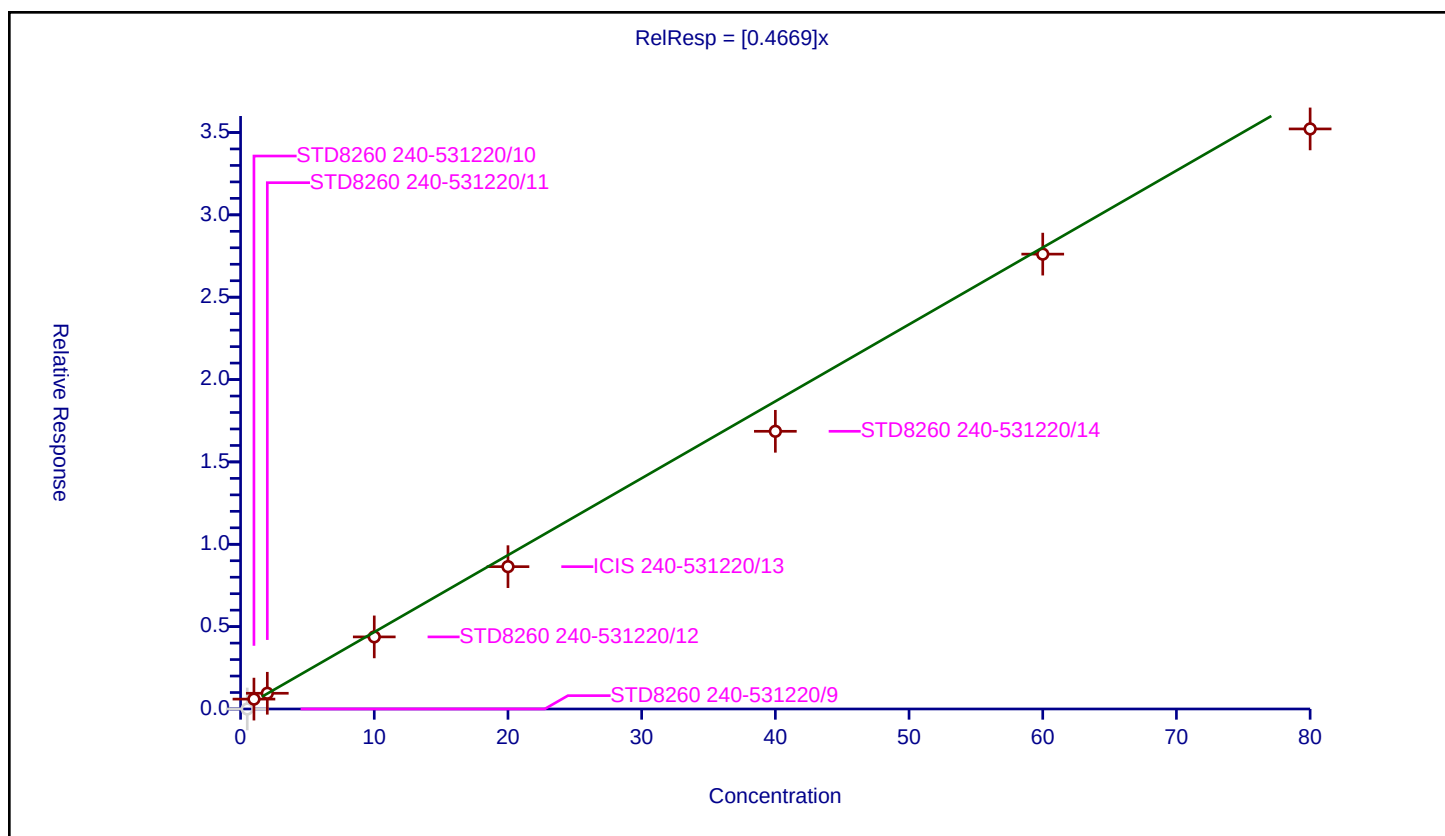
Curve Coefficients

Intercept: 0
Slope: 0.4669

Error Coefficients

Standard Error: 741000
Relative Standard Error: 13.2
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.0	20.0	665784.0	0.0	N
2	STD8260 240-531220/10	1.0	0.599812	20.0	729295.0	0.599812	Y
3	STD8260 240-531220/11	2.0	0.954087	20.0	709977.0	0.477044	Y
4	STD8260 240-531220/12	10.0	4.377046	20.0	734404.0	0.437705	Y
5	ICIS 240-531220/13	20.0	8.641412	20.0	738465.0	0.432071	Y
6	STD8260 240-531220/14	40.0	16.858502	20.0	761019.0	0.421463	Y
7	STD8260 240-531220/15	60.0	27.615793	20.0	737310.0	0.460263	Y
8	STD8260 240-531220/16	80.0	35.215804	20.0	743498.0	0.440198	Y



Calibration

/ 1,1,2,2-Tetrachloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

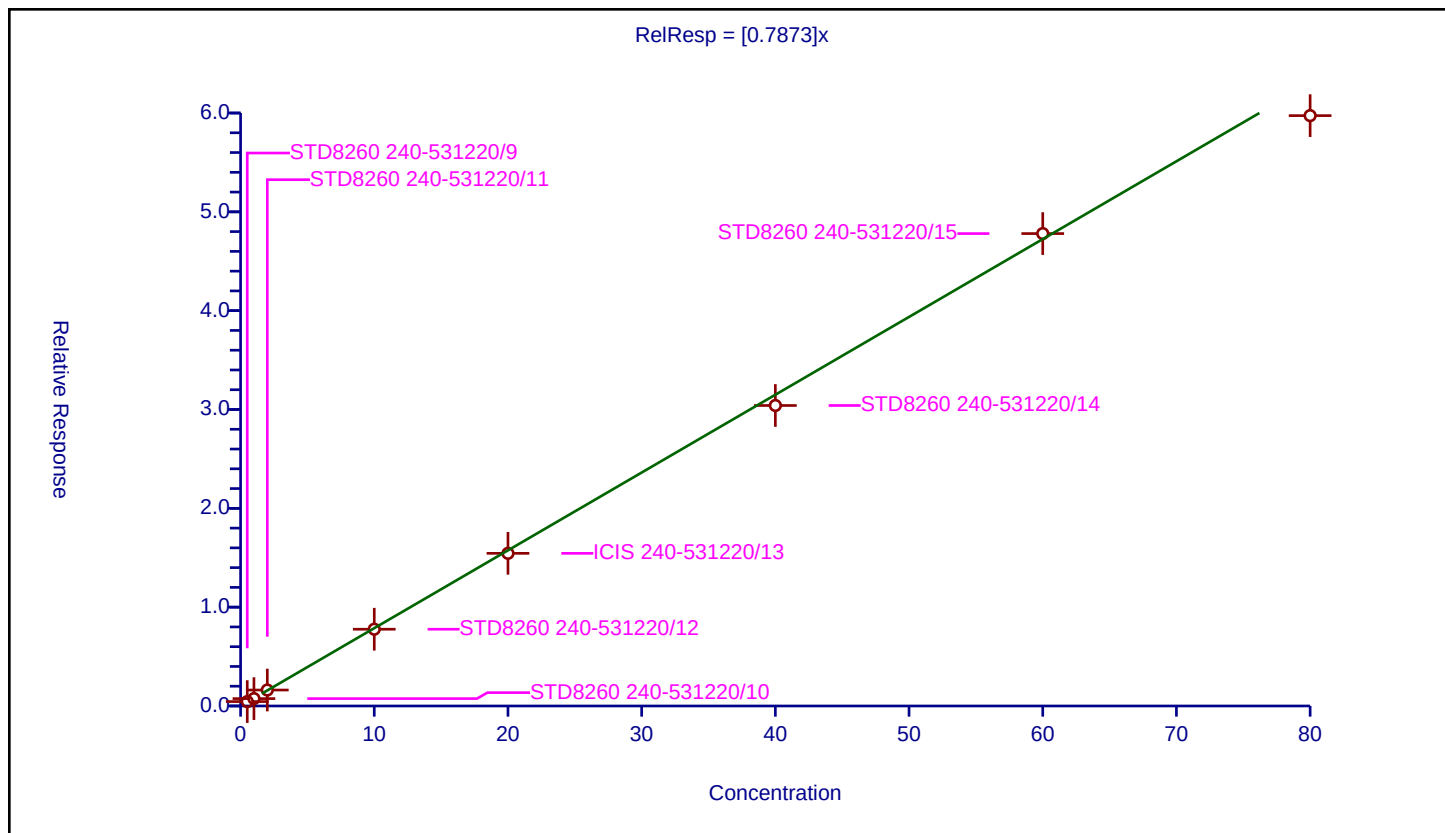
Curve Coefficients

Intercept: 0
Slope: 0.7873

Error Coefficients

Standard Error: 577000
Relative Standard Error: 6.0
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.445495	20.0	292439.0	0.890989	Y
2	STD8260 240-531220/10	1.0	0.747091	20.0	331633.0	0.747091	Y
3	STD8260 240-531220/11	2.0	1.615976	20.0	325636.0	0.807988	Y
4	STD8260 240-531220/12	10.0	7.767535	20.0	344843.0	0.776753	Y
5	ICIS 240-531220/13	20.0	15.445398	20.0	356681.0	0.77227	Y
6	STD8260 240-531220/14	40.0	30.406477	20.0	372985.0	0.760162	Y
7	STD8260 240-531220/15	60.0	47.801892	20.0	359177.0	0.796698	Y
8	STD8260 240-531220/16	80.0	59.736771	20.0	363030.0	0.74671	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

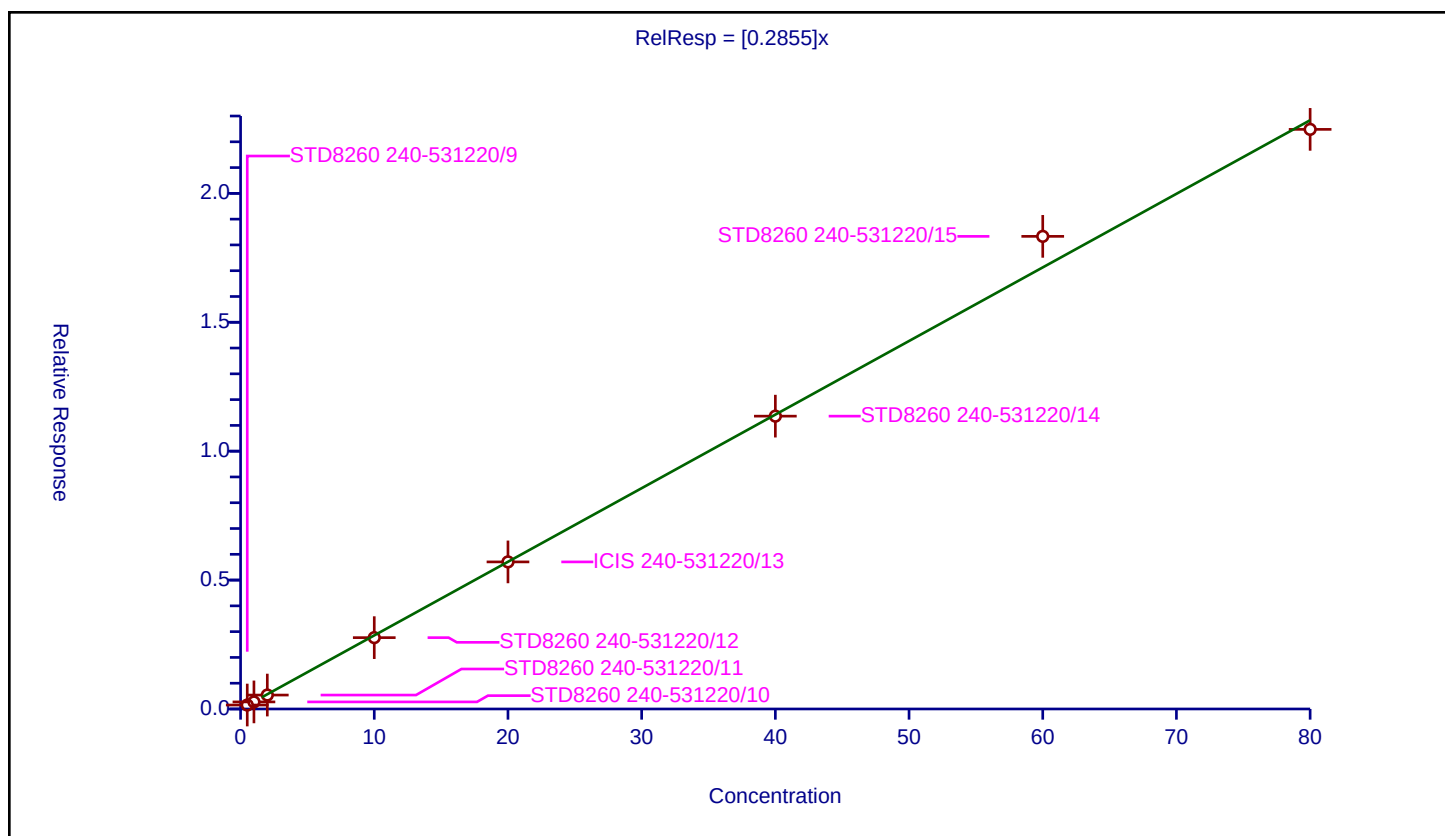
Curve Coefficients

Intercept: 0
 Slope: 0.2855

Error Coefficients

Standard Error: 218000
 Relative Standard Error: 4.8
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.153331	20.0	292439.0	0.306662	Y
2	STD8260 240-531220/10	1.0	0.274158	20.0	331633.0	0.274158	Y
3	STD8260 240-531220/11	2.0	0.540665	20.0	325636.0	0.270333	Y
4	STD8260 240-531220/12	10.0	2.767404	20.0	344843.0	0.27674	Y
5	ICIS 240-531220/13	20.0	5.705098	20.0	356681.0	0.285255	Y
6	STD8260 240-531220/14	40.0	11.358419	20.0	372985.0	0.28396	Y
7	STD8260 240-531220/15	60.0	18.331742	20.0	359177.0	0.305529	Y
8	STD8260 240-531220/16	80.0	22.482054	20.0	363030.0	0.281026	Y



Calibration

/ Bromobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

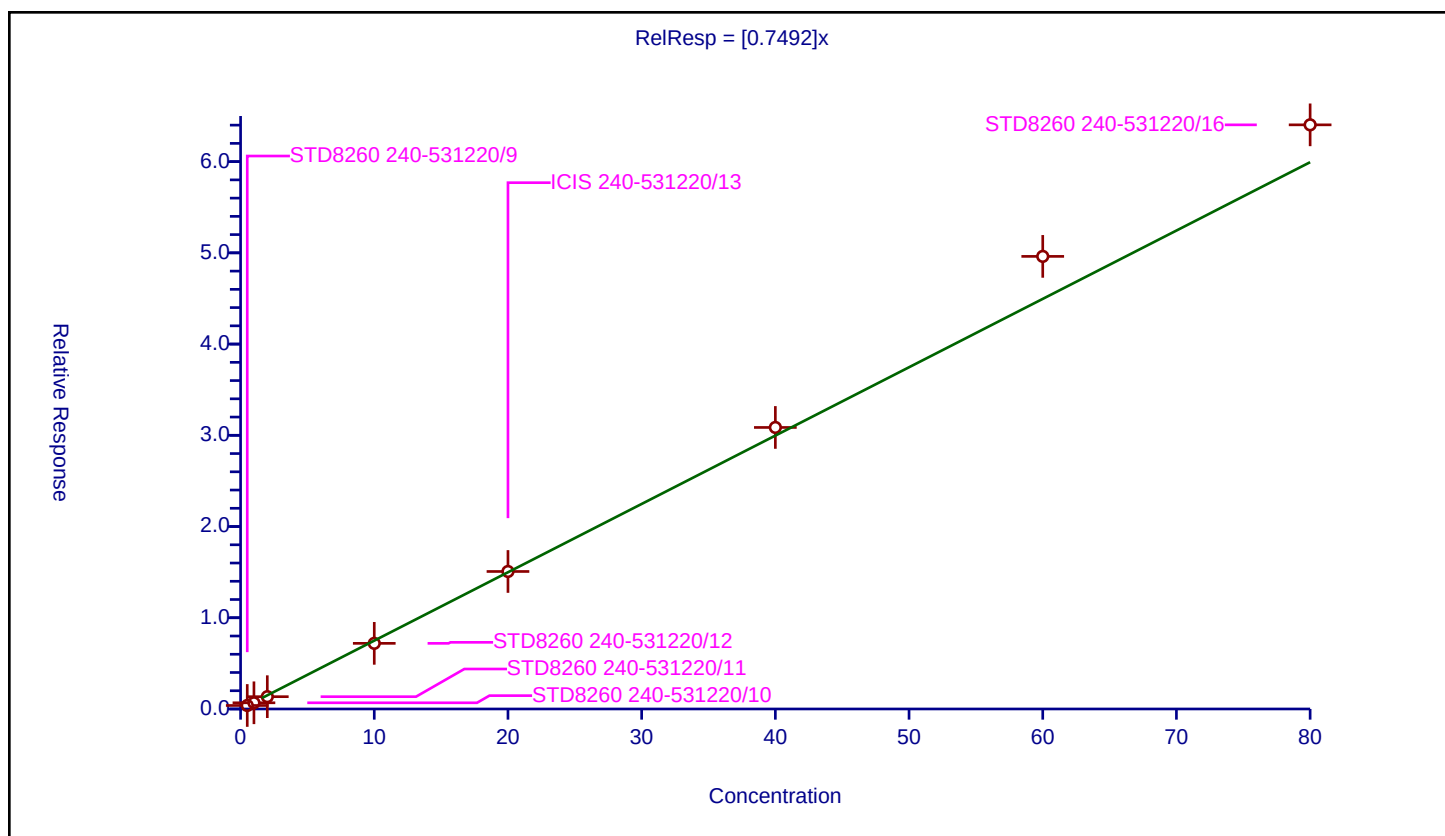
Curve Coefficients

Intercept: 0
 Slope: 0.7492

Error Coefficients

Standard Error: 605000
 Relative Standard Error: 7.3
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.383601	20.0	292439.0	0.767203	Y
2	STD8260 240-531220/10	1.0	0.680511	20.0	331633.0	0.680511	Y
3	STD8260 240-531220/11	2.0	1.347947	20.0	325636.0	0.673973	Y
4	STD8260 240-531220/12	10.0	7.195274	20.0	344843.0	0.719527	Y
5	ICIS 240-531220/13	20.0	15.073301	20.0	356681.0	0.753665	Y
6	STD8260 240-531220/14	40.0	30.859901	20.0	372985.0	0.771498	Y
7	STD8260 240-531220/15	60.0	49.613143	20.0	359177.0	0.826886	Y
8	STD8260 240-531220/16	80.0	64.033441	20.0	363030.0	0.800418	Y



Calibration

/ 1,2,3-Trichloropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

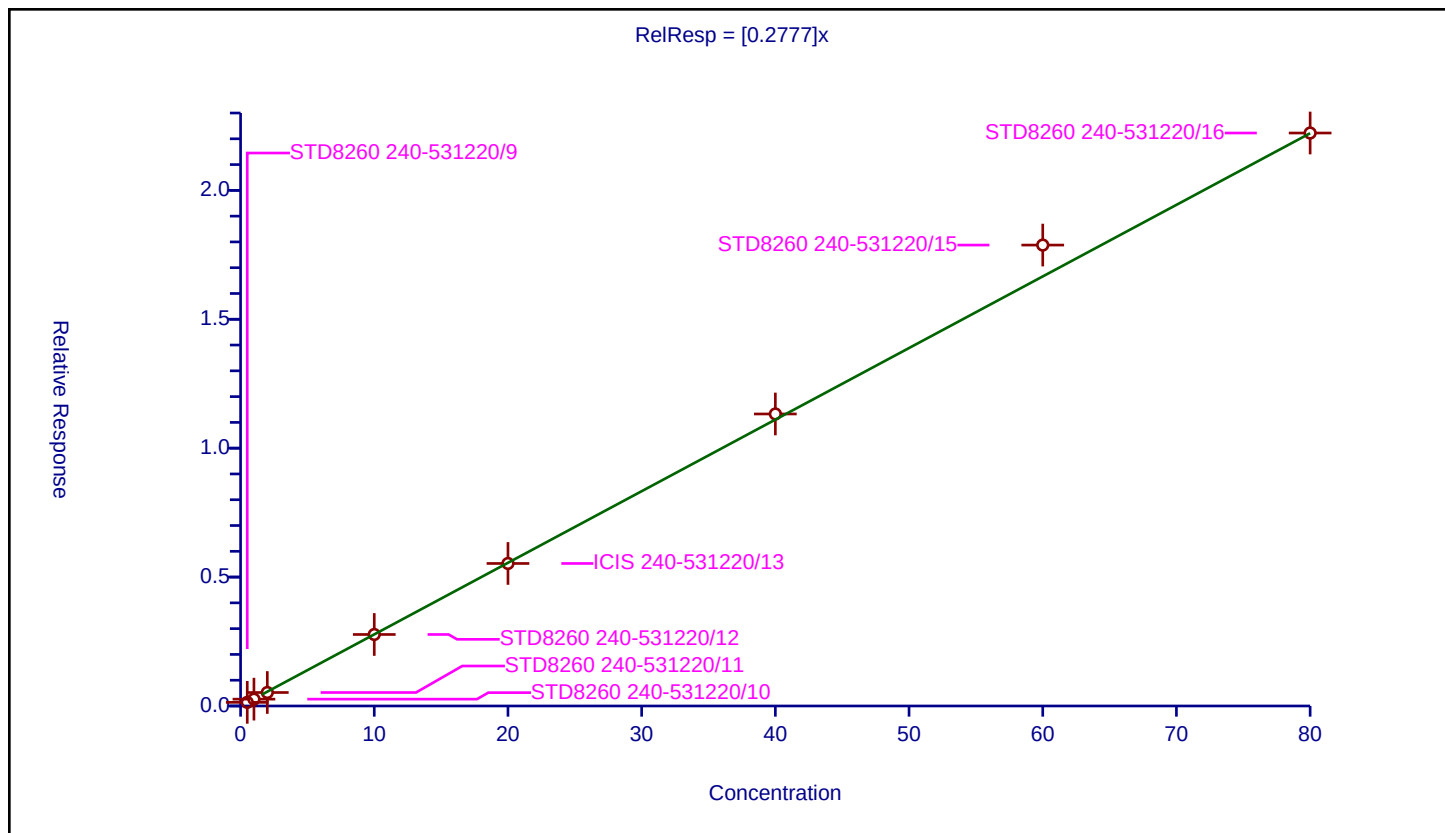
Curve Coefficients

Intercept: 0
Slope: 0.2777

Error Coefficients

Standard Error: 215000
Relative Standard Error: 4.0
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.140884	20.0	292439.0	0.281768	Y
2	STD8260 240-531220/10	1.0	0.265534	20.0	331633.0	0.265534	Y
3	STD8260 240-531220/11	2.0	0.522977	20.0	325636.0	0.261488	Y
4	STD8260 240-531220/12	10.0	2.77332	20.0	344843.0	0.277332	Y
5	ICIS 240-531220/13	20.0	5.527909	20.0	356681.0	0.276395	Y
6	STD8260 240-531220/14	40.0	11.326943	20.0	372985.0	0.283174	Y
7	STD8260 240-531220/15	60.0	17.877871	20.0	359177.0	0.297965	Y
8	STD8260 240-531220/16	80.0	22.224444	20.0	363030.0	0.277806	Y



Calibration

/ N-Propylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

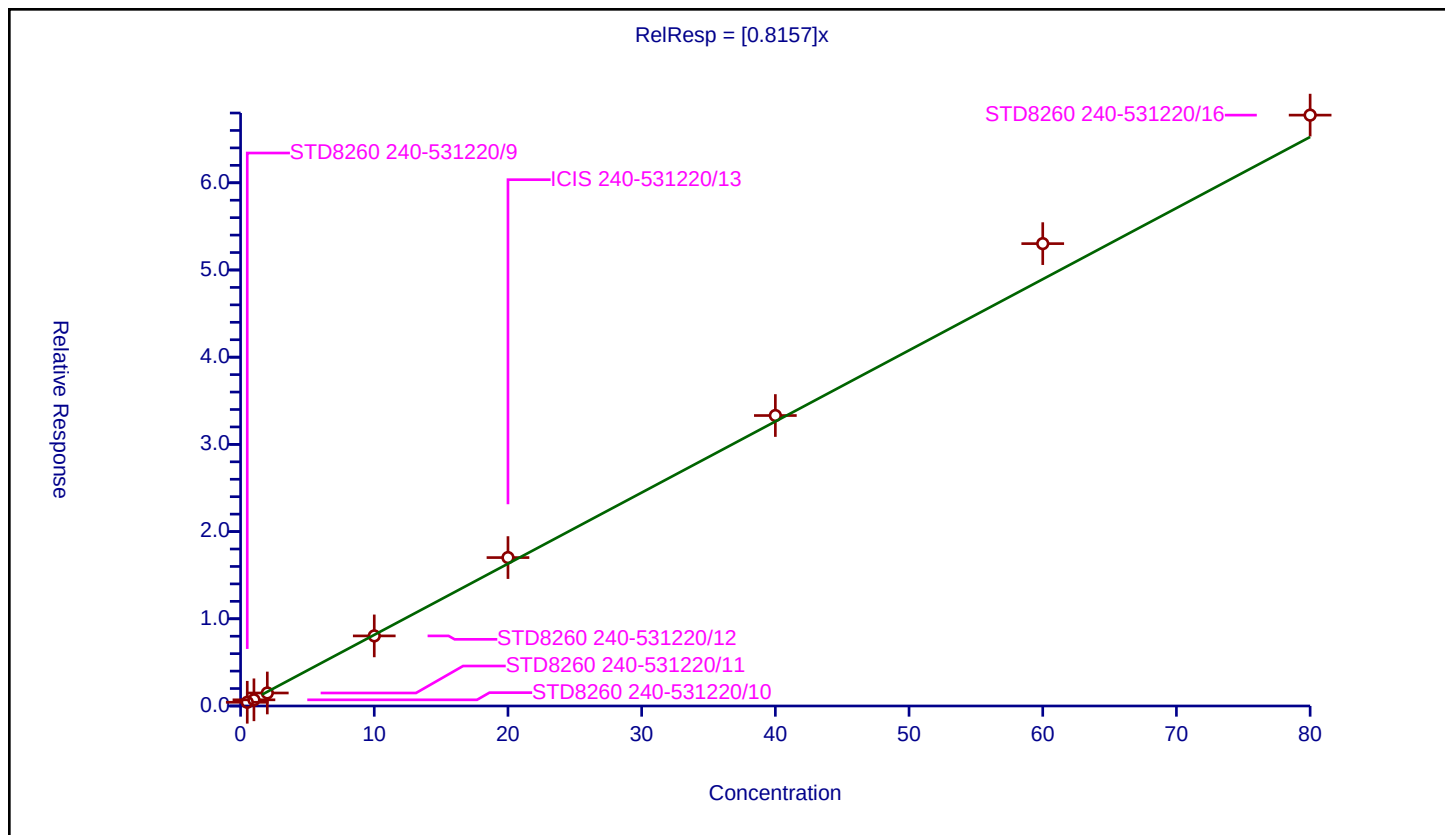
Curve Coefficients

Intercept: 0
Slope: 0.8157

Error Coefficients

Standard Error: 646000
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	STD8260 240-531220/9	0.5	0.426756	20.0	292439.0	0.853511	Y
2	STD8260 240-531220/10	1.0	0.708072	20.0	331633.0	0.708072	Y
3	STD8260 240-531220/11	2.0	1.491051	20.0	325636.0	0.745526	Y
4	STD8260 240-531220/12	10.0	8.038673	20.0	344843.0	0.803867	Y
5	ICIS 240-531220/13	20.0	17.018961	20.0	356681.0	0.850948	Y
6	STD8260 240-531220/14	40.0	33.309275	20.0	372985.0	0.832732	Y
7	STD8260 240-531220/15	60.0	53.021881	20.0	359177.0	0.883698	Y
8	STD8260 240-531220/16	80.0	67.757981	20.0	363030.0	0.846975	Y



Calibration

/ 2-Chlorotoluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

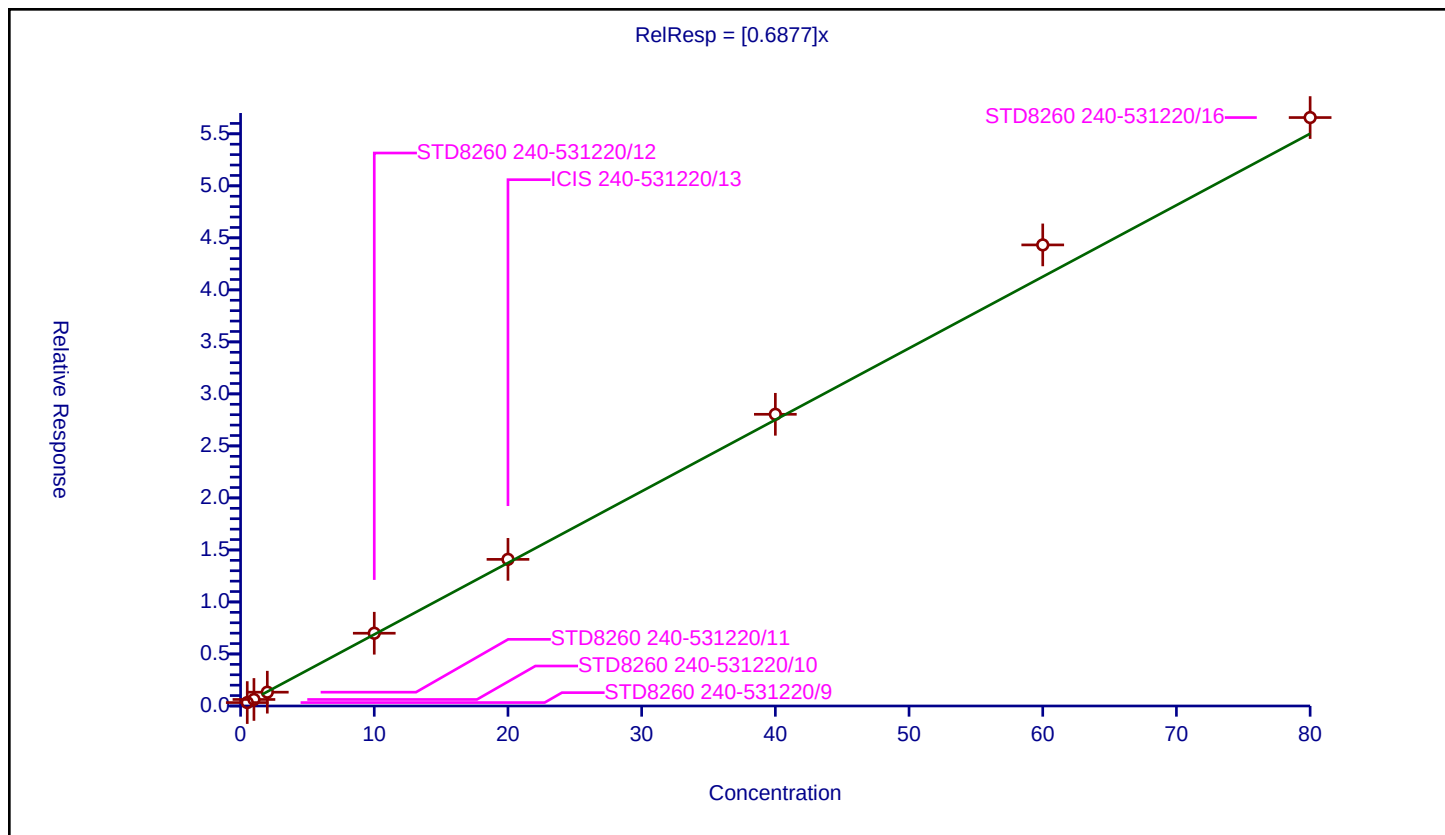
Curve Coefficients

Intercept: 0
Slope: 0.6877

Error Coefficients

Standard Error: 540000
Relative Standard Error: 5.1
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.329915	20.0	292439.0	0.65983	Y
2	STD8260 240-531220/10	1.0	0.62726	20.0	331633.0	0.62726	Y
3	STD8260 240-531220/11	2.0	1.32688	20.0	325636.0	0.66344	Y
4	STD8260 240-531220/12	10.0	6.995299	20.0	344843.0	0.69953	Y
5	ICIS 240-531220/13	20.0	14.095677	20.0	356681.0	0.704784	Y
6	STD8260 240-531220/14	40.0	28.038822	20.0	372985.0	0.700971	Y
7	STD8260 240-531220/15	60.0	44.321658	20.0	359177.0	0.738694	Y
8	STD8260 240-531220/16	80.0	56.565463	20.0	363030.0	0.707068	Y



Calibration

/ 1,3,5-Trimethylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

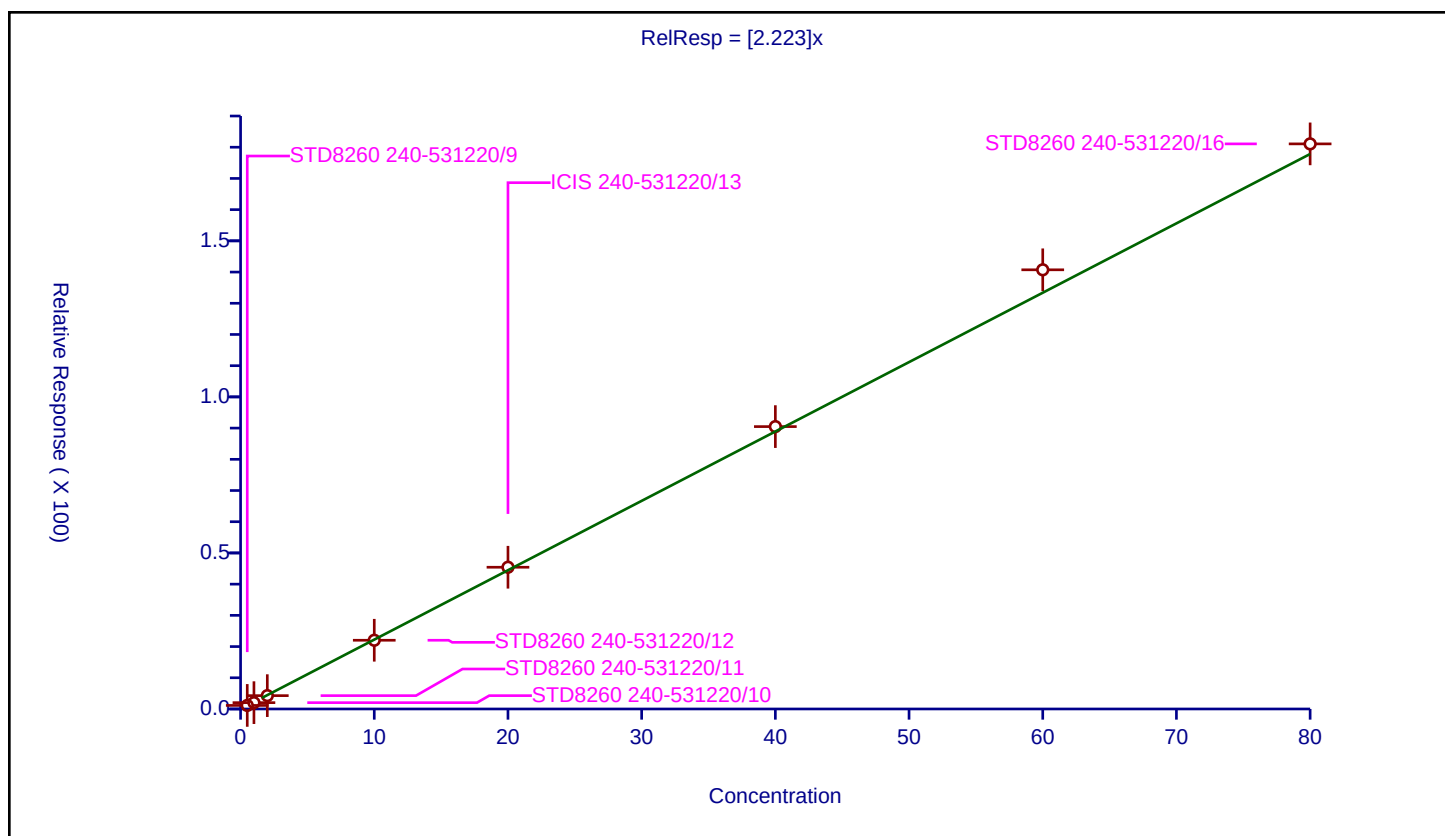
Curve Coefficients

Intercept: 0
Slope: 2.223

Error Coefficients

Standard Error: 1730000
Relative Standard Error: 4.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	1.137605	20.0	292439.0	2.27521	Y
2	STD8260 240-531220/10	1.0	2.026939	20.0	331633.0	2.026939	Y
3	STD8260 240-531220/11	2.0	4.272808	20.0	325636.0	2.136404	Y
4	STD8260 240-531220/12	10.0	22.022196	20.0	344843.0	2.20222	Y
5	ICIS 240-531220/13	20.0	45.422324	20.0	356681.0	2.271116	Y
6	STD8260 240-531220/14	40.0	90.483317	20.0	372985.0	2.262083	Y
7	STD8260 240-531220/15	60.0	140.724323	20.0	359177.0	2.345405	Y
8	STD8260 240-531220/16	80.0	181.068176	20.0	363030.0	2.263352	Y



Calibration

/ 4-Chlorotoluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

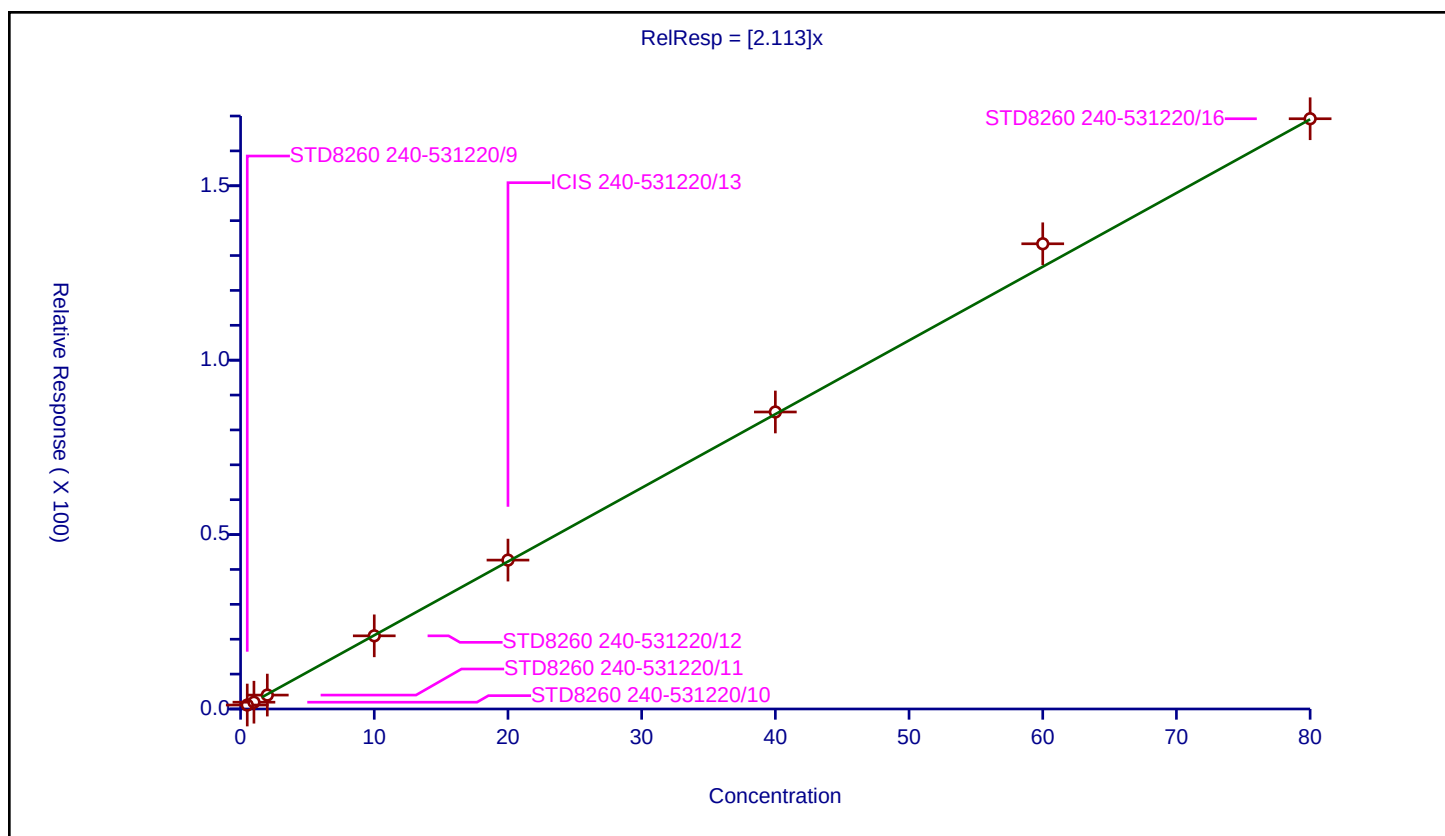
Curve Coefficients

Intercept: 0
Slope: 2.113

Error Coefficients

Standard Error: 1620000
Relative Standard Error: 5.0
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	1.132749	20.0	292439.0	2.265498	Y
2	STD8260 240-531220/10	1.0	1.947032	20.0	331633.0	1.947032	Y
3	STD8260 240-531220/11	2.0	3.988871	20.0	325636.0	1.994436	Y
4	STD8260 240-531220/12	10.0	20.970471	20.0	344843.0	2.097047	Y
5	ICIS 240-531220/13	20.0	42.689518	20.0	356681.0	2.134476	Y
6	STD8260 240-531220/14	40.0	85.149483	20.0	372985.0	2.128737	Y
7	STD8260 240-531220/15	60.0	133.371569	20.0	359177.0	2.222859	Y
8	STD8260 240-531220/16	80.0	169.216924	20.0	363030.0	2.115212	Y



Calibration

/ tert-Butylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

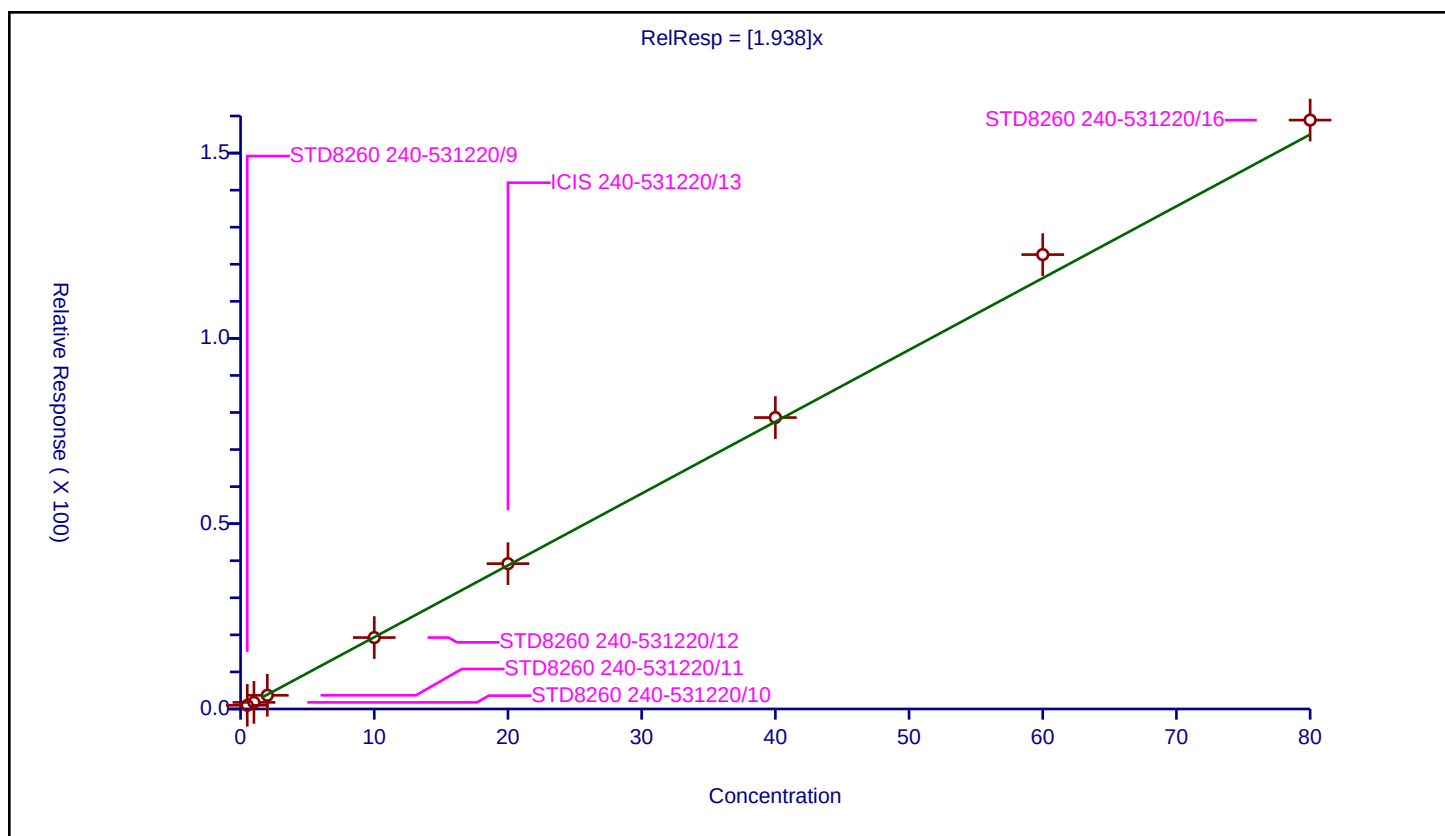
Curve Coefficients

Intercept: 0
Slope: 1.938

Error Coefficients

Standard Error: 1510000
Relative Standard Error: 4.4
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.994874	20.0	292439.0	1.989748	Y
2	STD8260 240-531220/10	1.0	1.779015	20.0	331633.0	1.779015	Y
3	STD8260 240-531220/11	2.0	3.698178	20.0	325636.0	1.849089	Y
4	STD8260 240-531220/12	10.0	19.269291	20.0	344843.0	1.926929	Y
5	ICIS 240-531220/13	20.0	39.219975	20.0	356681.0	1.960999	Y
6	STD8260 240-531220/14	40.0	78.631312	20.0	372985.0	1.965783	Y
7	STD8260 240-531220/15	60.0	122.60902	20.0	359177.0	2.043484	Y
8	STD8260 240-531220/16	80.0	158.902074	20.0	363030.0	1.986276	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

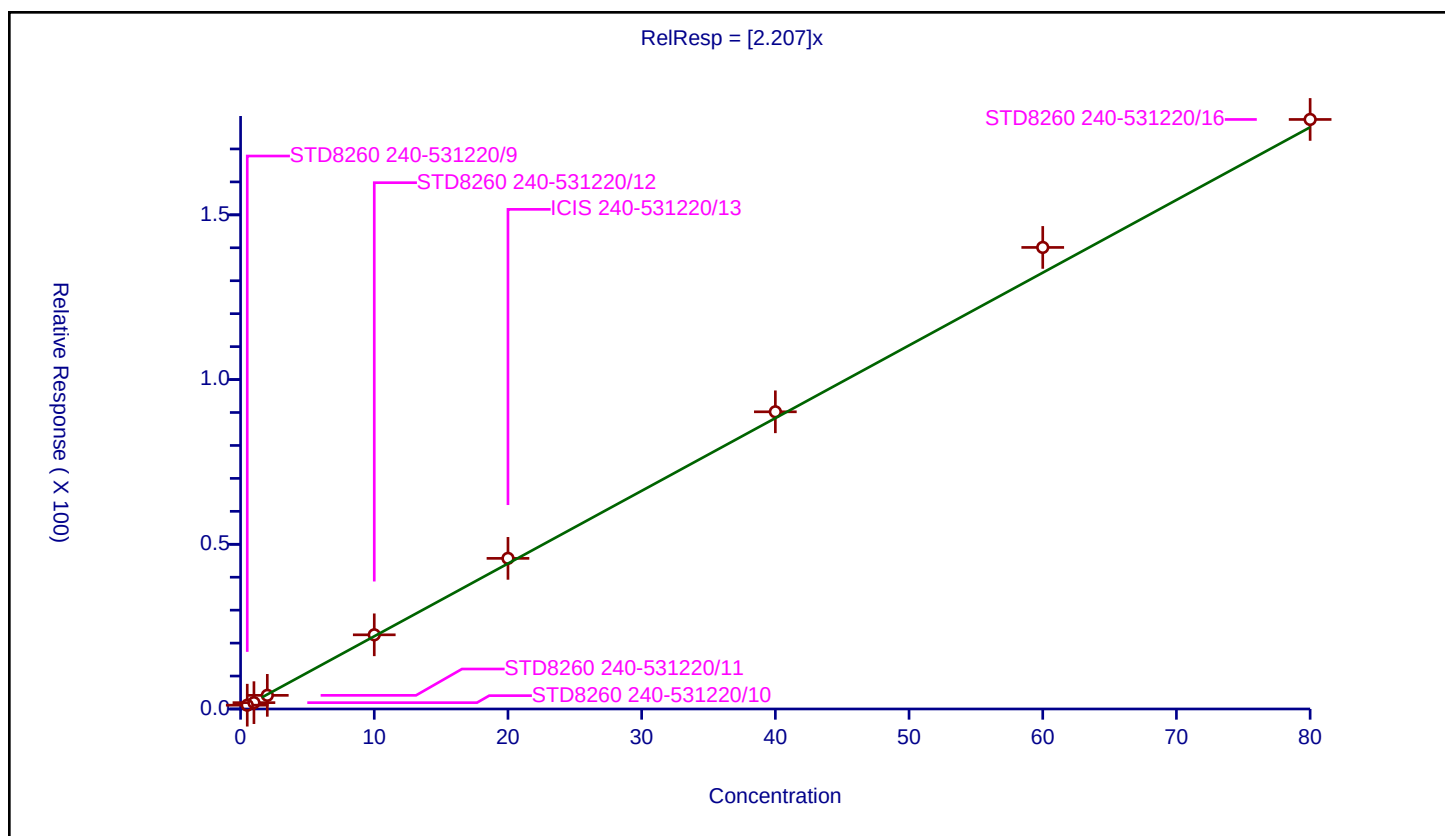
Curve Coefficients

Intercept: 0
Slope: 2.207

Error Coefficients

Standard Error: 1710000
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	STD8260 240-531220/9	0.5	1.15183	20.0	292439.0	2.30366	Y
2	STD8260 240-531220/10	1.0	1.919532	20.0	331633.0	1.919532	Y
3	STD8260 240-531220/11	2.0	4.140636	20.0	325636.0	2.070318	Y
4	STD8260 240-531220/12	10.0	22.517609	20.0	344843.0	2.251761	Y
5	ICIS 240-531220/13	20.0	45.721022	20.0	356681.0	2.286051	Y
6	STD8260 240-531220/14	40.0	90.210706	20.0	372985.0	2.255268	Y
7	STD8260 240-531220/15	60.0	140.110586	20.0	359177.0	2.335176	Y
8	STD8260 240-531220/16	80.0	178.952263	20.0	363030.0	2.236903	Y



Calibration

/ sec-Butylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

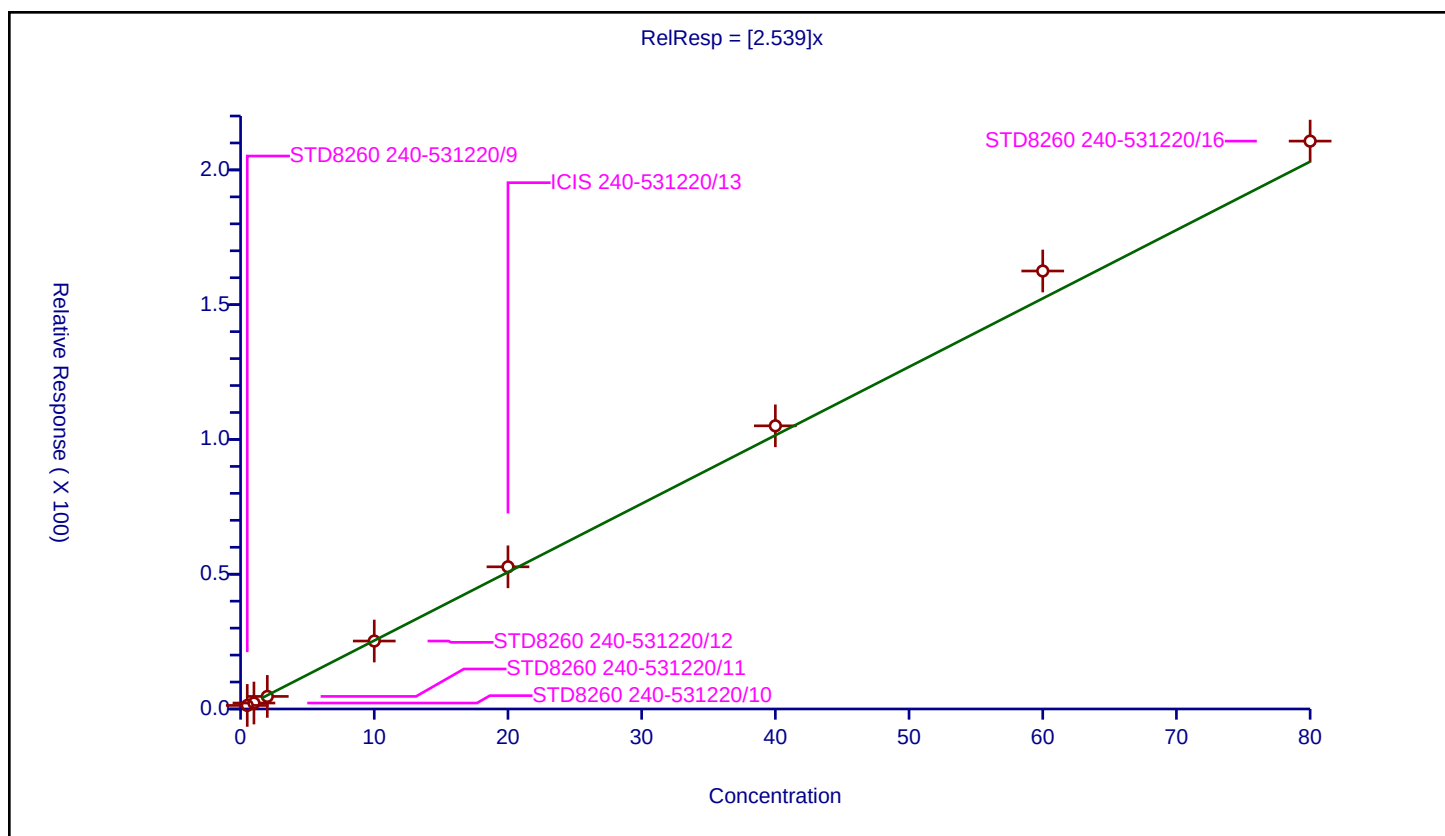
Curve Coefficients

Intercept: 0
Slope: 2.539

Error Coefficients

Standard Error: 2000000
Relative Standard Error: 6.9
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	1.320207	20.0	292439.0	2.640414	Y
2	STD8260 240-531220/10	1.0	2.210154	20.0	331633.0	2.210154	Y
3	STD8260 240-531220/11	2.0	4.661217	20.0	325636.0	2.330608	Y
4	STD8260 240-531220/12	10.0	25.215301	20.0	344843.0	2.52153	Y
5	ICIS 240-531220/13	20.0	52.74646	20.0	356681.0	2.637323	Y
6	STD8260 240-531220/14	40.0	105.052107	20.0	372985.0	2.626303	Y
7	STD8260 240-531220/15	60.0	162.498712	20.0	359177.0	2.708312	Y
8	STD8260 240-531220/16	80.0	210.685563	20.0	363030.0	2.63357	Y



Calibration

/ 1,3-Dichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

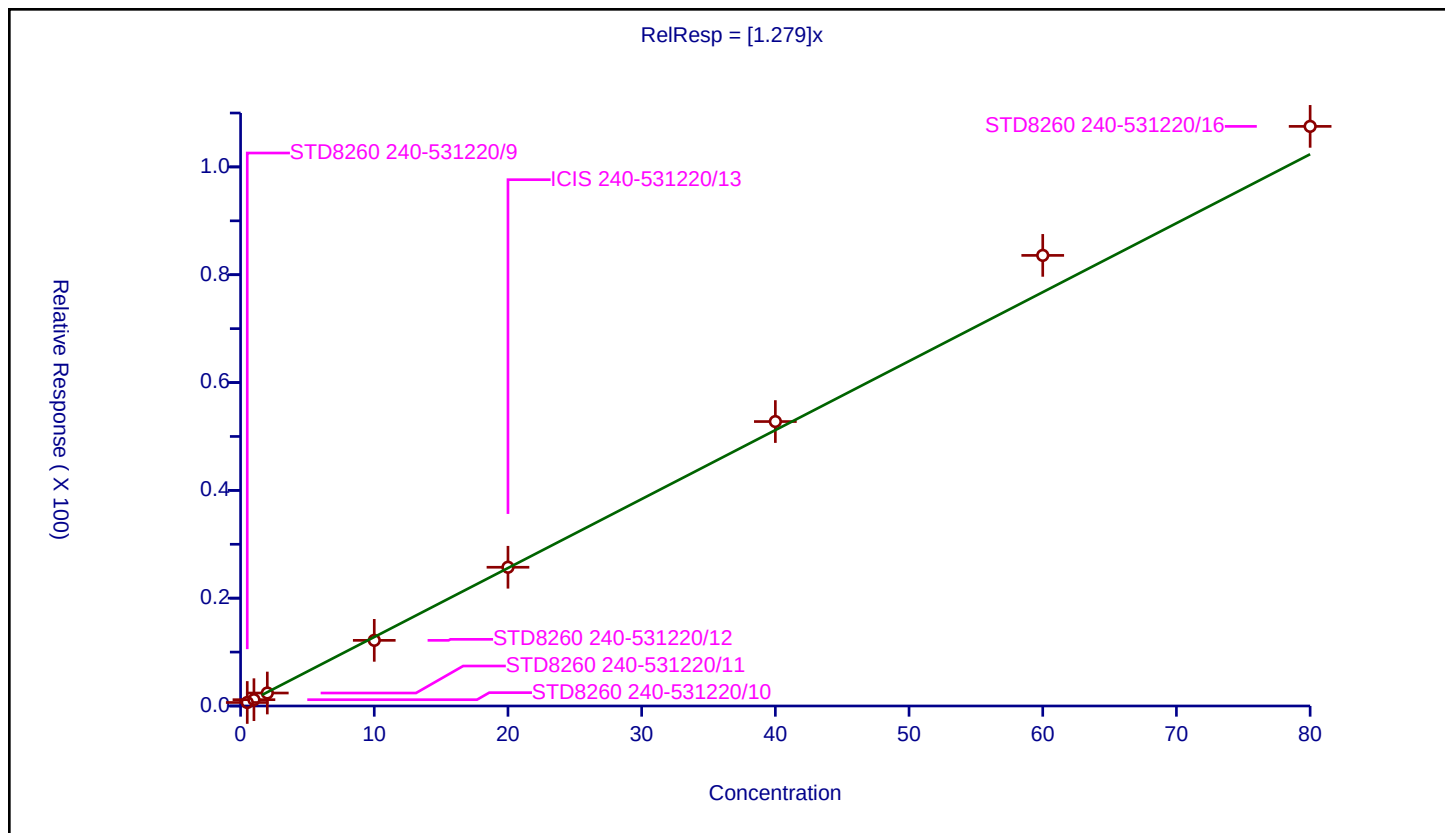
Curve Coefficients

Intercept: 0
 Slope: 1.279

Error Coefficients

Standard Error: 1020000
 Relative Standard Error: 6.0
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.651555	20.0	292439.0	1.303109	Y
2	STD8260 240-531220/10	1.0	1.168581	20.0	331633.0	1.168581	Y
3	STD8260 240-531220/11	2.0	2.40471	20.0	325636.0	1.202355	Y
4	STD8260 240-531220/12	10.0	12.178992	20.0	344843.0	1.217899	Y
5	ICIS 240-531220/13	20.0	25.734928	20.0	356681.0	1.286746	Y
6	STD8260 240-531220/14	40.0	52.766948	20.0	372985.0	1.319174	Y
7	STD8260 240-531220/15	60.0	83.586867	20.0	359177.0	1.393114	Y
8	STD8260 240-531220/16	80.0	107.522904	20.0	363030.0	1.344036	Y



Calibration

/ 4-Isopropyltoluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

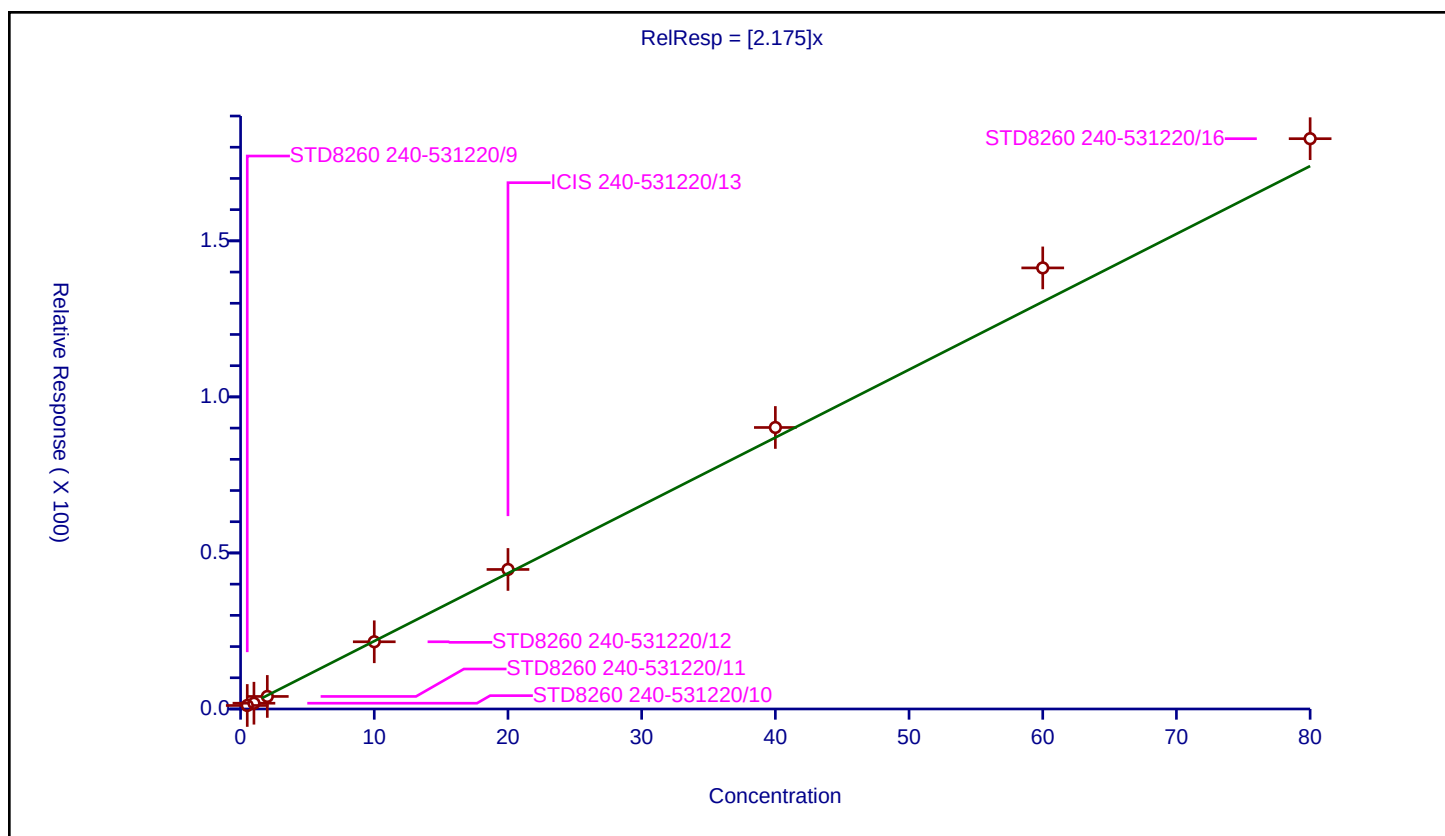
Curve Coefficients

Intercept: 0
Slope: 2.175

Error Coefficients

Standard Error: 1730000
Relative Standard Error: 7.6
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	1.124132	20.0	292439.0	2.248264	Y
2	STD8260 240-531220/10	1.0	1.853736	20.0	331633.0	1.853736	Y
3	STD8260 240-531220/11	2.0	4.020624	20.0	325636.0	2.010312	Y
4	STD8260 240-531220/12	10.0	21.538207	20.0	344843.0	2.153821	Y
5	ICIS 240-531220/13	20.0	44.709755	20.0	356681.0	2.235488	Y
6	STD8260 240-531220/14	40.0	90.200035	20.0	372985.0	2.255001	Y
7	STD8260 240-531220/15	60.0	141.330041	20.0	359177.0	2.355501	Y
8	STD8260 240-531220/16	80.0	182.733383	20.0	363030.0	2.284167	Y



Calibration

/ 1,4-Dichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

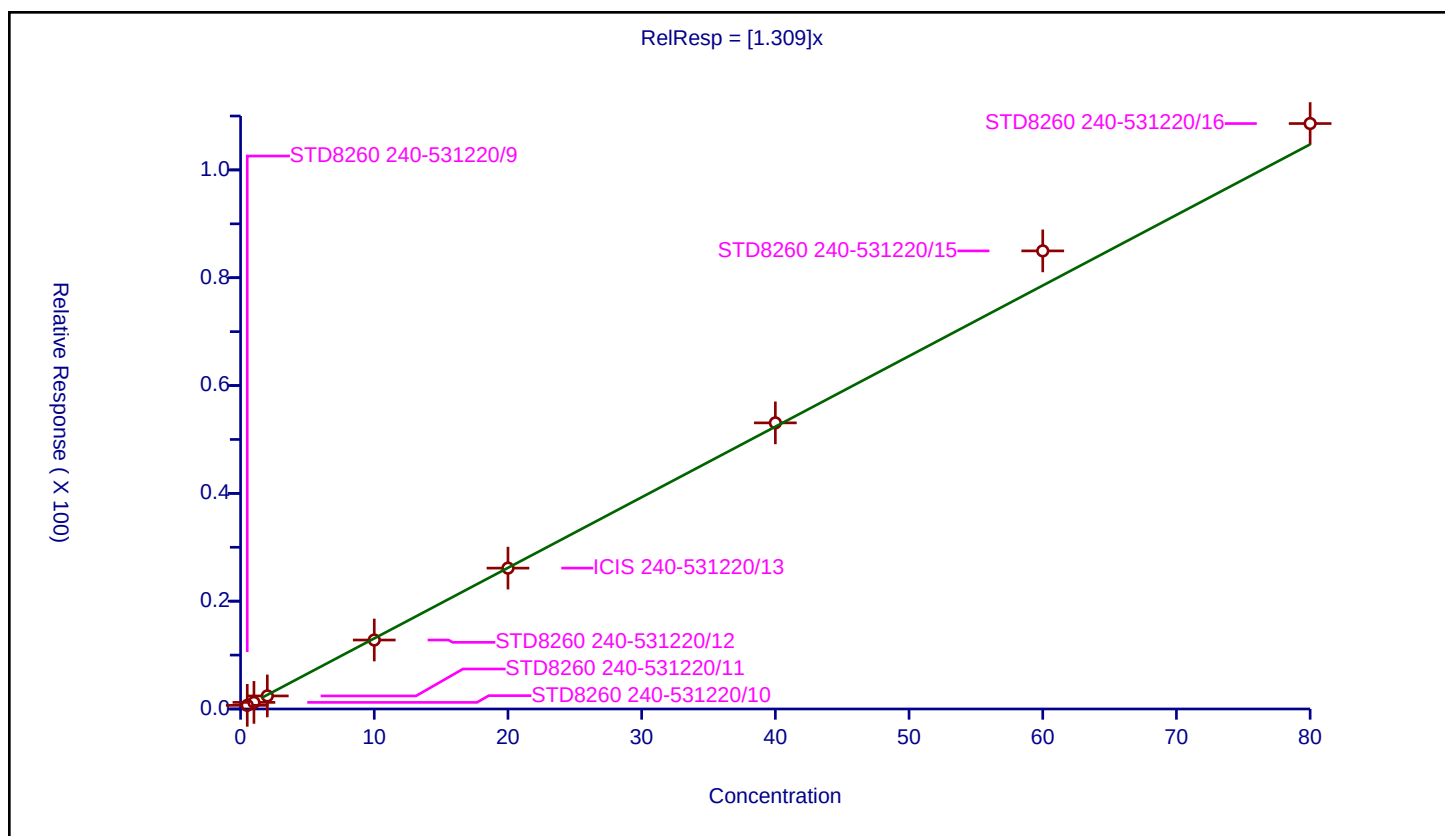
Curve Coefficients

Intercept: 0
Slope: 1.309

Error Coefficients

Standard Error: 1030000
Relative Standard Error: 5.3
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.676175	20.0	292439.0	1.35235	Y
2	STD8260 240-531220/10	1.0	1.222918	20.0	331633.0	1.222918	Y
3	STD8260 240-531220/11	2.0	2.423626	20.0	325636.0	1.211813	Y
4	STD8260 240-531220/12	10.0	12.797128	20.0	344843.0	1.279713	Y
5	ICIS 240-531220/13	20.0	26.130127	20.0	356681.0	1.306506	Y
6	STD8260 240-531220/14	40.0	53.074896	20.0	372985.0	1.326872	Y
7	STD8260 240-531220/15	60.0	84.977379	20.0	359177.0	1.41629	Y
8	STD8260 240-531220/16	80.0	108.604909	20.0	363030.0	1.357561	Y



Calibration

/ n-Butylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

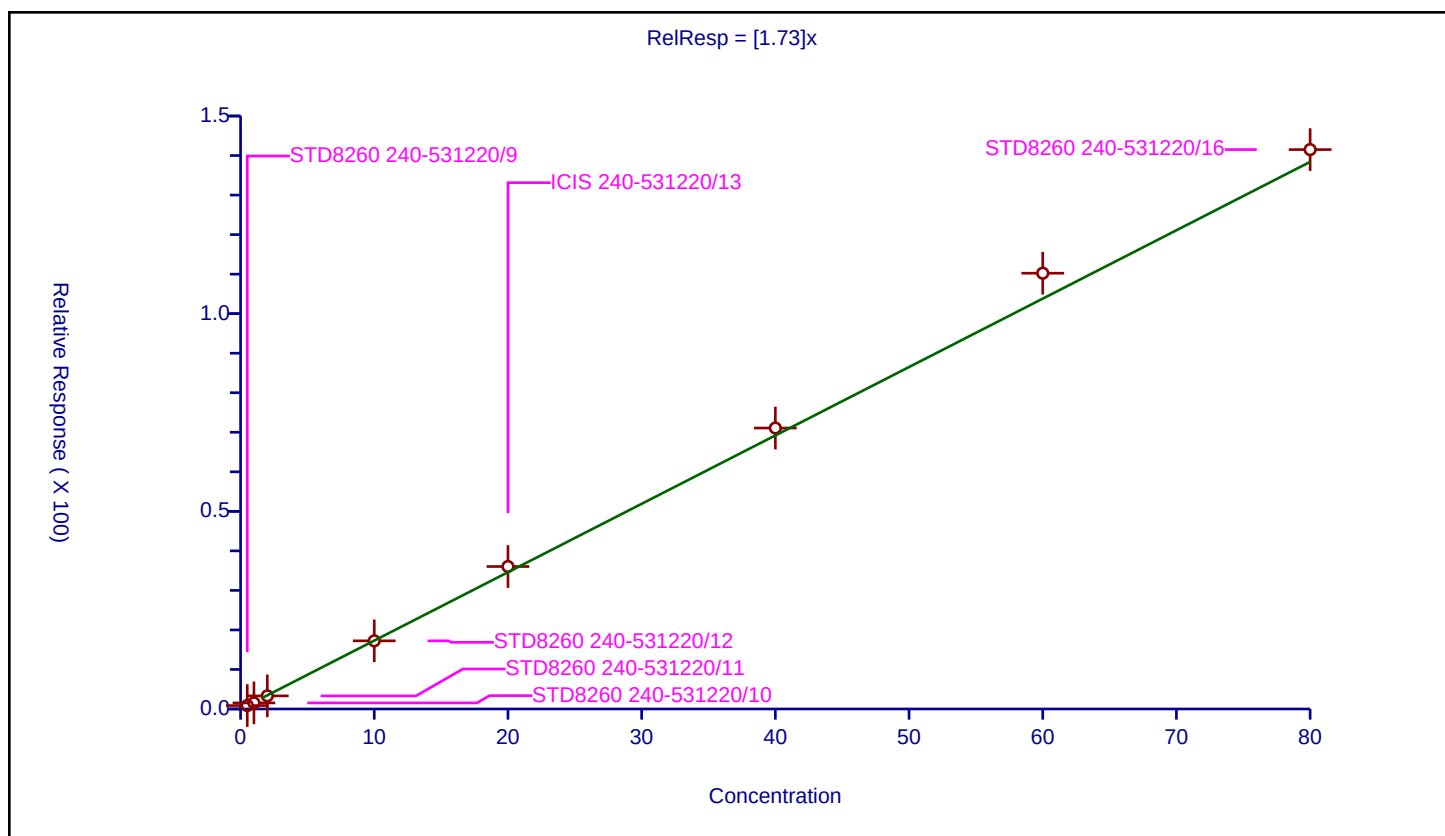
Curve Coefficients

Intercept: 0
Slope: 1.73

Error Coefficients

Standard Error: 1350000
Relative Standard Error: 5.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.867873	20.0	292439.0	1.735747	Y
2	STD8260 240-531220/10	1.0	1.538629	20.0	331633.0	1.538629	Y
3	STD8260 240-531220/11	2.0	3.314068	20.0	325636.0	1.657034	Y
4	STD8260 240-531220/12	10.0	17.236888	20.0	344843.0	1.723689	Y
5	ICIS 240-531220/13	20.0	36.038028	20.0	356681.0	1.801901	Y
6	STD8260 240-531220/14	40.0	71.0657	20.0	372985.0	1.776642	Y
7	STD8260 240-531220/15	60.0	110.235566	20.0	359177.0	1.837259	Y
8	STD8260 240-531220/16	80.0	141.506267	20.0	363030.0	1.768828	Y



Calibration

/ 1,2-Dichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

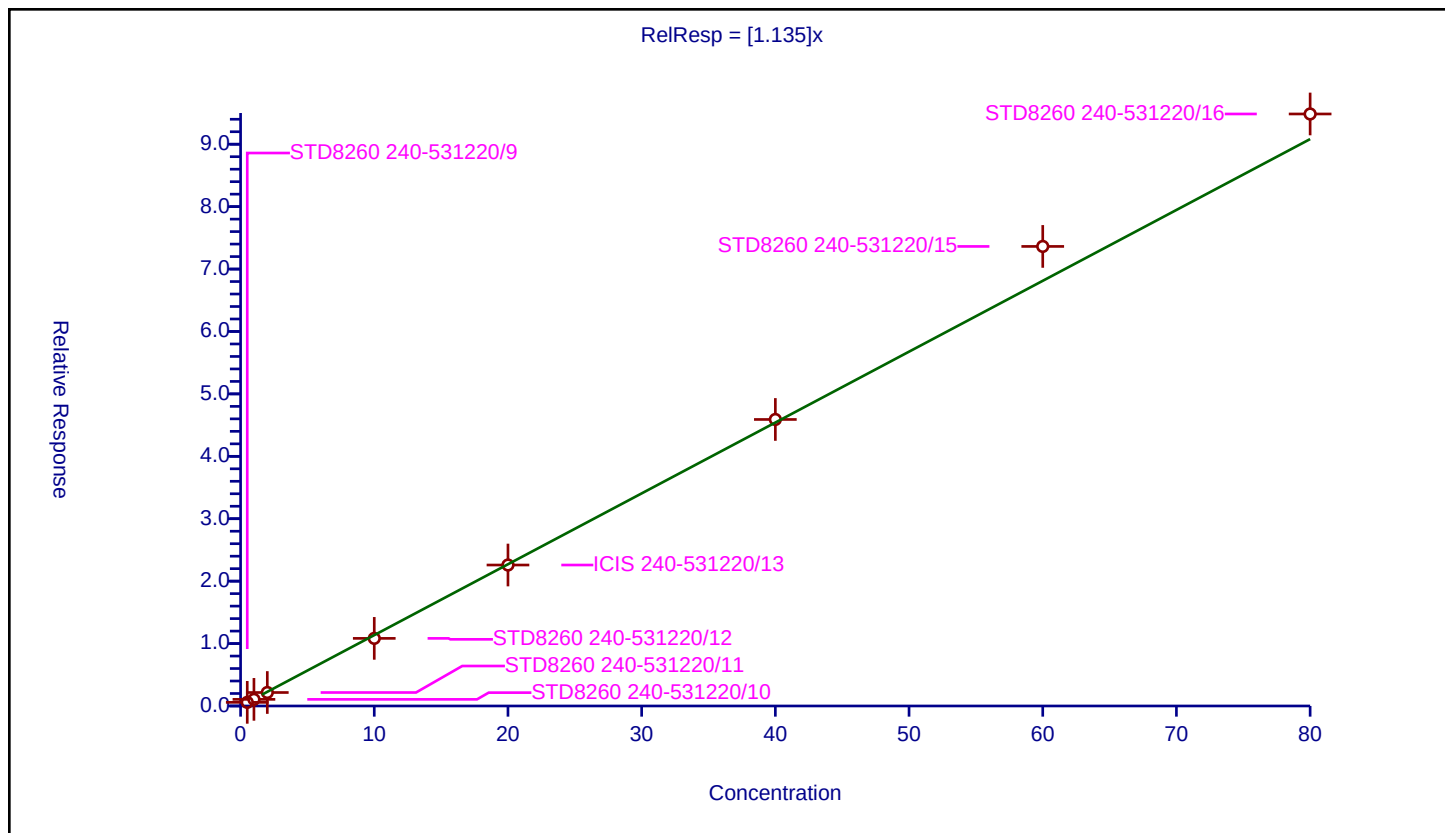
Curve Coefficients

Intercept: 0
Slope: 1.135

Error Coefficients

Standard Error: 898000
Relative Standard Error: 5.1
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.584259	20.0	292439.0	1.168517	Y
2	STD8260 240-531220/10	1.0	1.061475	20.0	331633.0	1.061475	Y
3	STD8260 240-531220/11	2.0	2.159159	20.0	325636.0	1.07958	Y
4	STD8260 240-531220/12	10.0	10.83061	20.0	344843.0	1.083061	Y
5	ICIS 240-531220/13	20.0	22.583149	20.0	356681.0	1.129157	Y
6	STD8260 240-531220/14	40.0	45.902597	20.0	372985.0	1.147565	Y
7	STD8260 240-531220/15	60.0	73.624536	20.0	359177.0	1.227076	Y
8	STD8260 240-531220/16	80.0	94.844503	20.0	363030.0	1.185556	Y



Calibration

/ 1,2-Dibromo-3-Chloropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

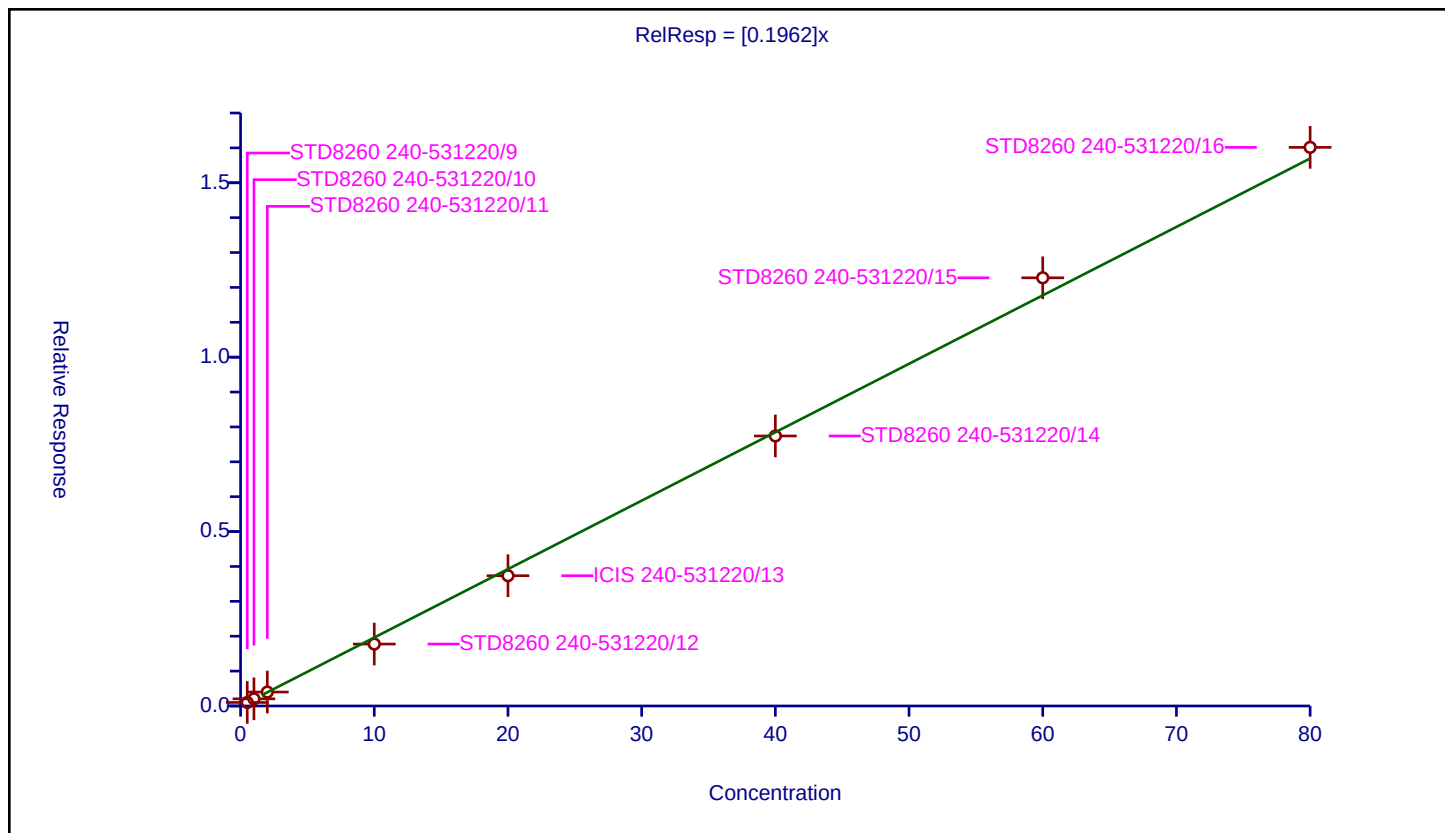
Curve Coefficients

Intercept: 0
Slope: 0.1962

Error Coefficients

Standard Error: 151000
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	STD8260 240-531220/9	0.5	0.101013	20.0	292439.0	0.202025	Y
2	STD8260 240-531220/10	1.0	0.205167	20.0	331633.0	0.205167	Y
3	STD8260 240-531220/11	2.0	0.399649	20.0	325636.0	0.199824	Y
4	STD8260 240-531220/12	10.0	1.775707	20.0	344843.0	0.177571	Y
5	ICIS 240-531220/13	20.0	3.734878	20.0	356681.0	0.186744	Y
6	STD8260 240-531220/14	40.0	7.740901	20.0	372985.0	0.193523	Y
7	STD8260 240-531220/15	60.0	12.275619	20.0	359177.0	0.204594	Y
8	STD8260 240-531220/16	80.0	16.01504	20.0	363030.0	0.200188	Y



Calibration

/ 1,2,4-Trichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

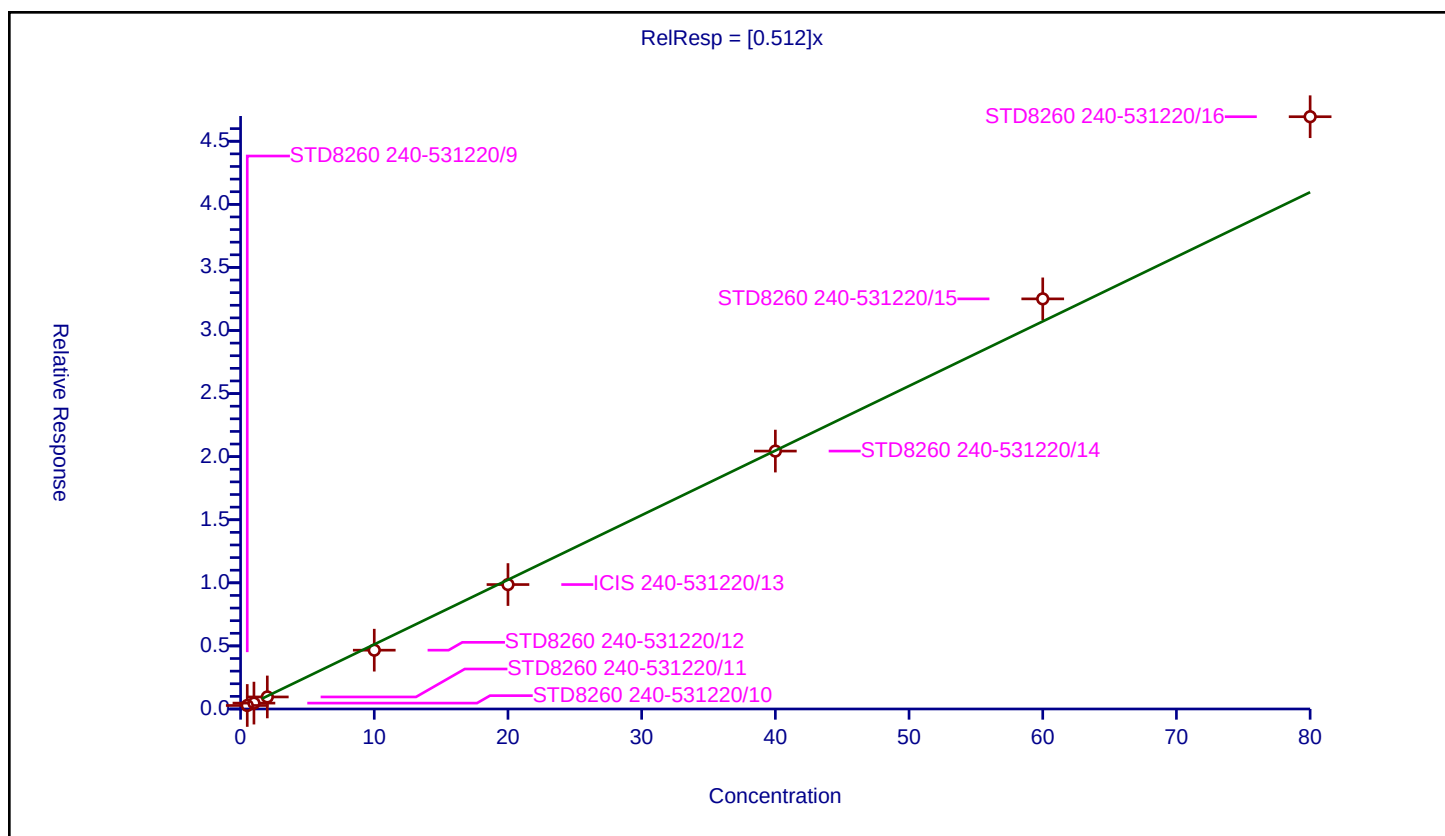
Curve Coefficients

Intercept: 0
Slope: 0.512

Error Coefficients

Standard Error: 423000
Relative Standard Error: 8.8
Correlation Coefficient: 0.996
Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.277186	20.0	292439.0	0.554372	Y
2	STD8260 240-531220/10	1.0	0.465575	20.0	331633.0	0.465575	Y
3	STD8260 240-531220/11	2.0	0.954194	20.0	325636.0	0.477097	Y
4	STD8260 240-531220/12	10.0	4.66218	20.0	344843.0	0.466218	Y
5	ICIS 240-531220/13	20.0	9.86394	20.0	356681.0	0.493197	Y
6	STD8260 240-531220/14	40.0	20.442216	20.0	372985.0	0.511055	Y
7	STD8260 240-531220/15	60.0	32.507705	20.0	359177.0	0.541795	Y
8	STD8260 240-531220/16	80.0	46.944605	20.0	363030.0	0.586808	Y



Calibration

/ Hexachlorobutadiene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

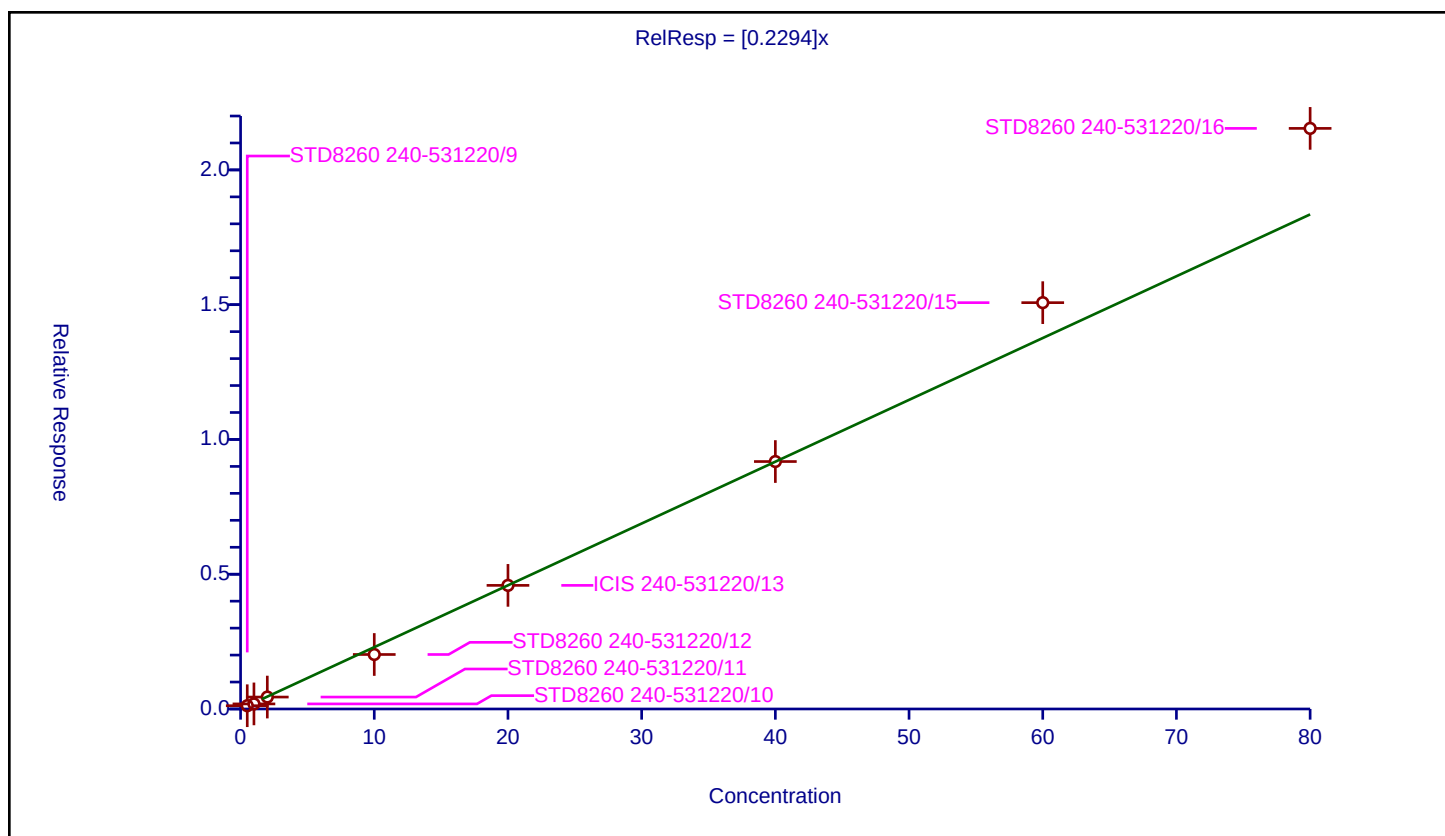
Curve Coefficients

Intercept: 0
Slope: 0.2294

Error Coefficients

Standard Error: 194000
Relative Standard Error: 11.3
Correlation Coefficient: 0.996
Coefficient of Determination (Adjusted): 0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.12153	20.0	292439.0	0.243059	Y
2	STD8260 240-531220/10	1.0	0.188944	20.0	331633.0	0.188944	Y
3	STD8260 240-531220/11	2.0	0.442826	20.0	325636.0	0.221413	Y
4	STD8260 240-531220/12	10.0	2.021326	20.0	344843.0	0.202133	Y
5	ICIS 240-531220/13	20.0	4.586339	20.0	356681.0	0.229317	Y
6	STD8260 240-531220/14	40.0	9.181174	20.0	372985.0	0.229529	Y
7	STD8260 240-531220/15	60.0	15.07513	20.0	359177.0	0.251252	Y
8	STD8260 240-531220/16	80.0	21.540809	20.0	363030.0	0.26926	Y



Calibration

/ Naphthalene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

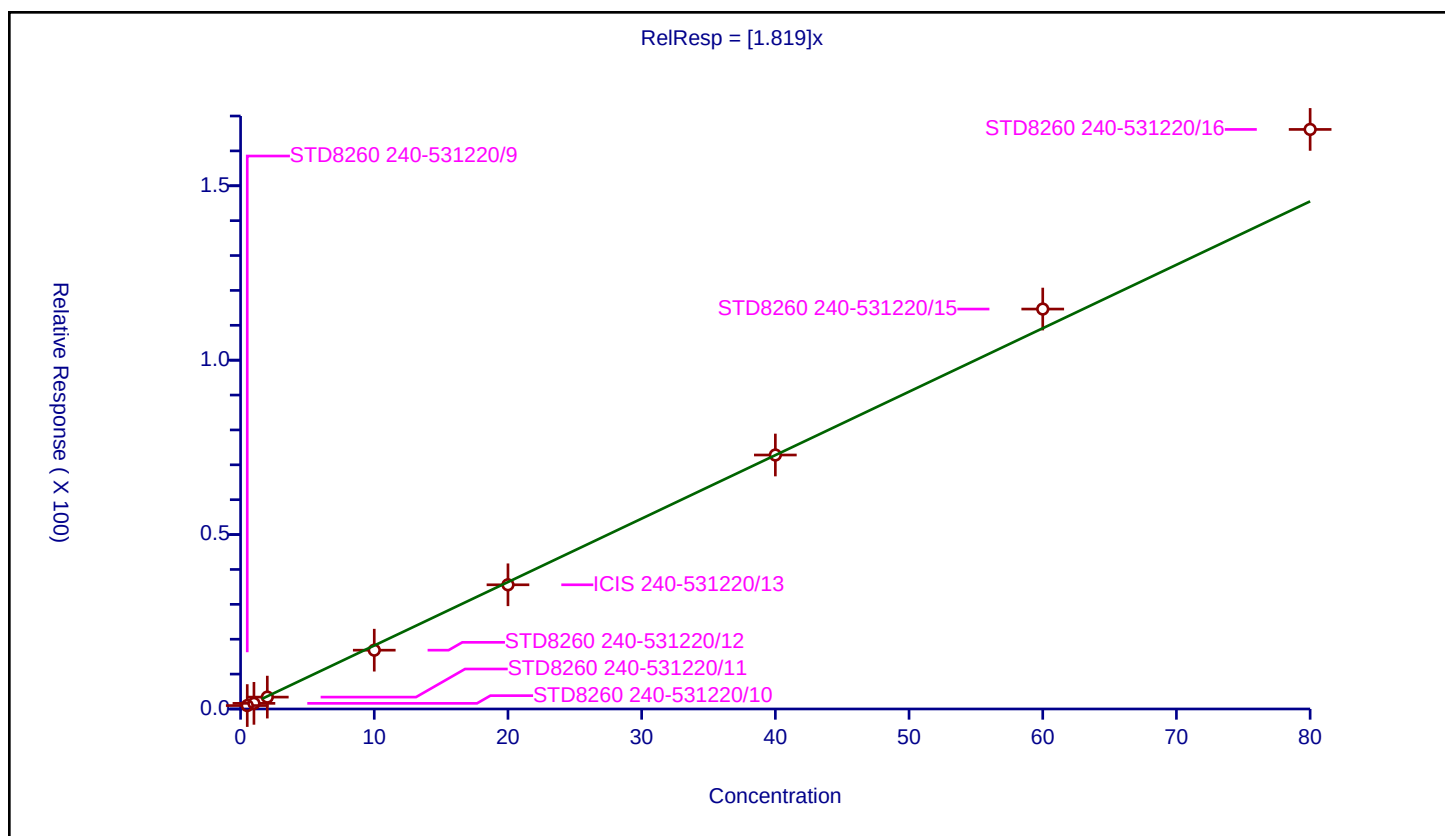
Curve Coefficients

Intercept: 0
Slope: 1.819

Error Coefficients

Standard Error: 1500000
Relative Standard Error: 8.5
Correlation Coefficient: 0.996
Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.979418	20.0	292439.0	1.958836	Y
2	STD8260 240-531220/10	1.0	1.616787	20.0	331633.0	1.616787	Y
3	STD8260 240-531220/11	2.0	3.405889	20.0	325636.0	1.702944	Y
4	STD8260 240-531220/12	10.0	16.862862	20.0	344843.0	1.686286	Y
5	ICIS 240-531220/13	20.0	35.610588	20.0	356681.0	1.780529	Y
6	STD8260 240-531220/14	40.0	72.814295	20.0	372985.0	1.820357	Y
7	STD8260 240-531220/15	60.0	114.659402	20.0	359177.0	1.91099	Y
8	STD8260 240-531220/16	80.0	166.157453	20.0	363030.0	2.076968	Y



Calibration

/ 1,2,3-Trichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

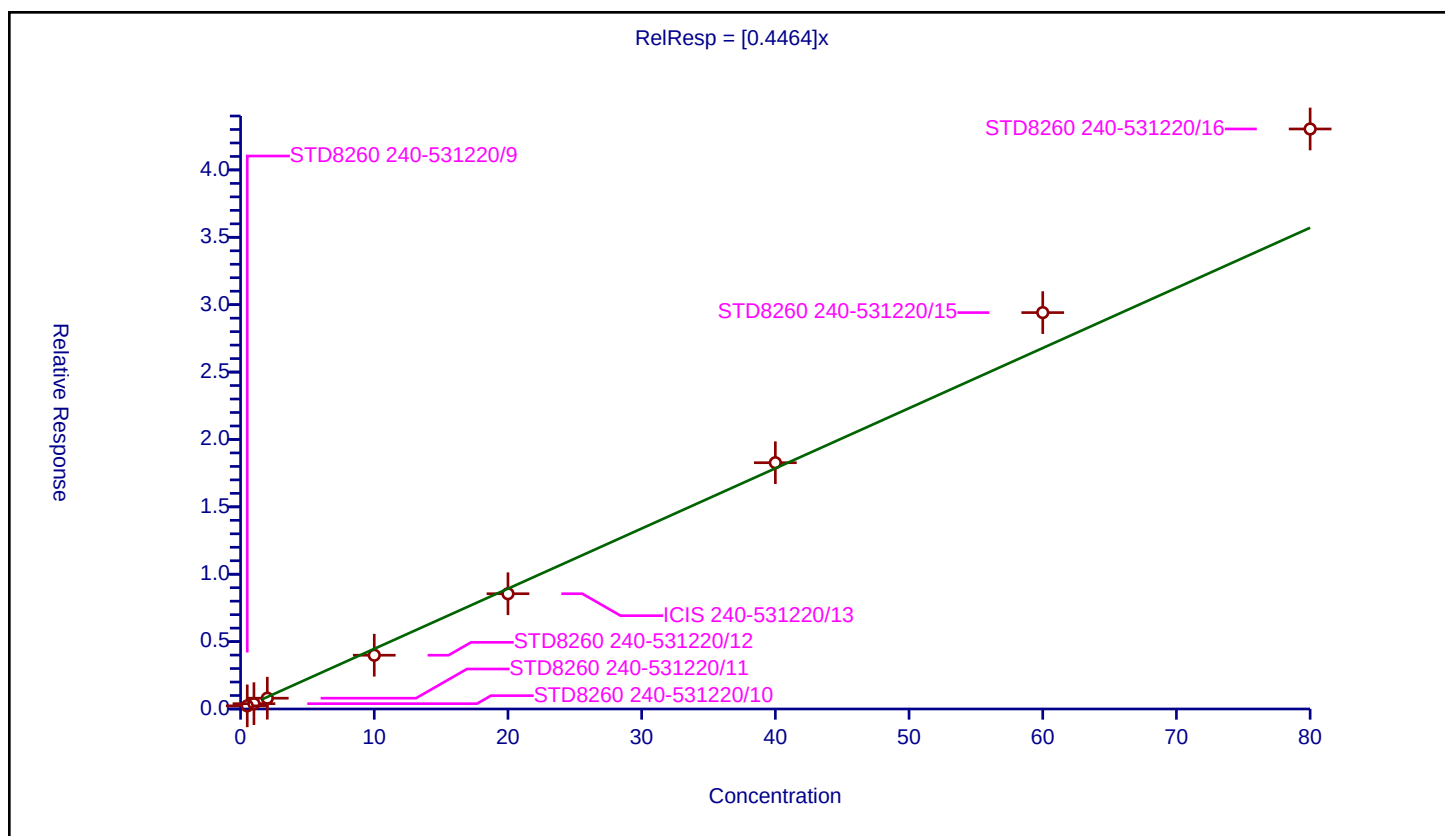
Curve Coefficients

Intercept: 0
 Slope: 0.4464

Error Coefficients

Standard Error: 384000
 Relative Standard Error: 11.5
 Correlation Coefficient: 0.994
 Coefficient of Determination (Adjusted): 0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD8260 240-531220/9	0.5	0.232664	20.0	292439.0	0.465328	Y
2	STD8260 240-531220/10	1.0	0.39399	20.0	331633.0	0.39399	Y
3	STD8260 240-531220/11	2.0	0.799666	20.0	325636.0	0.399833	Y
4	STD8260 240-531220/12	10.0	3.989758	20.0	344843.0	0.398976	Y
5	ICIS 240-531220/13	20.0	8.553918	20.0	356681.0	0.427696	Y
6	STD8260 240-531220/14	40.0	18.275427	20.0	372985.0	0.456886	Y
7	STD8260 240-531220/15	60.0	29.41352	20.0	359177.0	0.490225	Y
8	STD8260 240-531220/16	80.0	43.038261	20.0	363030.0	0.537978	Y



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 586277

SDG No.: _____

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/06/2023 13:11 Calibration End Date: 09/06/2023 16:22 Calibration ID: 71756

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-586277/3	224014.D
Level 2	IC 240-586277/4	224015.D
Level 3	IC 240-586277/5	224016.D
Level 4	IC 240-586277/6	224017.D
Level 5	IC 240-586277/7	224018.D
Level 6	ICIS 240-586277/8	224019.D
Level 7	IC 240-586277/9	224020.D
Level 8	IC 240-586277/10	224021.D
Level 9	IC 240-586277/11	224022.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8	LVL 9													
Dichlorodifluoromethane	0.3121 0.2883	0.2628 0.2811	0.2488 0.2759	0.2961 0.2643	0.3065	Ave		0.281 8			0.1000	7.5		20.0			
Chloromethane	0.3391 0.3043	0.2930 0.3102	0.2919 0.3015	0.3076 0.2996	0.3144	Ave		0.306 8			0.1000	4.6		20.0			
Vinyl chloride	0.2862 0.2834	0.2598 0.2912	0.2568 0.2854	0.2974 0.2809	0.2915	Ave		0.281 4			0.1000	5.0		20.0			
Butadiene	0.2816 0.2799	0.2440 0.2768	0.2477 0.2716	0.2884 0.2631	0.2930	Ave		0.271 8				6.3		20.0			
Bromomethane	0.1754 0.1032	0.1307 0.1152	0.1083 0.1221	0.1138 0.1233	0.1105	Ave		0.122 5			0.0500	17.6		20.0			
Chloroethane	0.1744 0.1396	0.1579 0.1379	0.1483 0.1293	0.1685 0.1264	0.1648	Ave		0.149 7			0.0500	11.7		20.0			
Trichlorofluoromethane	0.3435 0.3485	0.3097 0.3410	0.3115 0.3370	0.3543 0.3298	0.3626	Ave		0.337 6			0.1000	5.3		20.0			
Dichlorofluoromethane	0.4203 0.3900	0.3792 0.3923	0.3630 0.3859	0.3993 0.3757	0.4002	Ave		0.389 5				4.2		20.0			
Ethyl ether	0.1864 0.1869	0.1621 0.1936	0.1899 0.1916	0.1795 0.1871	0.1922	Ave		0.185 5				5.2		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2113 0.2124	0.1868 0.2190	0.2148 0.2126	0.2149 0.2062	0.2206	Ave		0.211 0			0.0500	4.7		20.0			
Acrolein	0.0343 0.0316	0.0296 0.0336	0.0309 0.0332	0.0324 0.0319	0.0321	Ave		0.032 2				4.5		20.0			
1,1-Dichloroethene	0.1662 0.1916	0.1748 0.1994	0.1947 0.1967	0.1870 0.1898	0.1966	Ave		0.188 5			0.1000	5.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 586277

SDG No.: _____

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/06/2023 13:11 Calibration End Date: 09/06/2023 16:22 Calibration ID: 71756

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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	+++++ 0.1280	0.1698 0.1347	0.1580 0.1328	0.1243 0.1302	0.1330	Ave		0.138 9			0.0100	11.6		20.0			
Iodomethane	0.3050 0.2552	0.2033 0.2718	0.2053 0.2695	0.2177 0.2659	0.2481	Ave		0.249 1				13.7		20.0			
Carbon disulfide	0.5607 0.5526	0.4925 0.5729	0.5550 0.5636	0.5249 0.5445	0.5578	Ave		0.547 2			0.1000	4.5		20.0			
3-Chloro-1-propene	0.3177 0.3276	0.2946 0.3432	0.3284 0.3349	0.3194 0.3224	0.3384	Ave		0.325 2				4.4		20.0			
Methyl acetate	+++++ 0.3171	0.4039 0.3343	0.3579 0.3260	0.3131 0.3179	0.3245	Ave		0.336 9			0.0500	9.1		20.0			
Methylene Chloride	0.4065 0.2300	0.3104 0.2374	0.2846 0.2320	0.2380 0.2288	0.2442	Lin1	0.091 2	0.230 1			0.1000	4.1		30.0	1.0000		0.9900
2-Methyl-2-propanol	0.0544 0.0582	0.0515 0.0630	0.0553 0.0624	0.0543 0.0619	0.0565	Ave		0.057 5				7.1		20.0			
Methyl tert-butyl ether	0.6223 0.6702	0.5727 0.7018	0.6731 0.6975	0.6477 0.6891	0.6843	Ave		0.662 1			0.1000	6.3		20.0			
trans-1,2-Dichloroethene	0.2242 0.2202	0.1972 0.2274	0.2286 0.2230	0.2128 0.2190	0.2281	Ave		0.220 0			0.1000	4.5		20.0			
Acrylonitrile	0.1370 0.1458	0.1282 0.1548	0.1497 0.1489	0.1414 0.1478	0.1479	Ave		0.144 6				5.5		20.0			
Hexane	0.3200 0.3217	0.2830 0.3362	0.3061 0.3279	0.3064 0.3165	0.3284	Ave		0.316 3				5.0		20.0			
1,1-Dichloroethane	0.3894 0.4108	0.3436 0.4287	0.4228 0.4243	0.4010 0.4105	0.4252	Ave		0.406 2			0.2000	6.6		20.0			
Vinyl acetate	0.3757 0.3726	0.3077 0.3824	0.3428 0.3779	0.3651 +++++	0.3895	Ave		0.364 2				7.3		20.0			
2,2-Dichloropropane	0.0534 0.0601	0.0539 0.0641	0.0614 0.0626	0.0572 0.0616	0.0589	Ave		0.059 2				6.3		20.0			
cis-1,2-Dichloroethene	0.2244 0.2468	0.1960 0.2541	0.2445 0.2511	0.2437 0.2463	0.2548	Ave		0.240 2			0.1000	7.9		20.0			
2-Butanone (MEK)	0.0558 0.0518	0.0459 0.0560	0.0513 0.0555	0.0498 0.0549	0.0527	Ave		0.052 6			0.0100	6.4		20.0			
Chlorobromomethane	0.1796 0.1926	0.1725 0.1949	0.2041 0.1922	0.1893 0.1861	0.1974	Ave		0.189 9				5.0		20.0			
Tetrahydrofuran	0.1806 0.1392	0.1458 0.1479	0.1433 0.1446	0.1378 0.1430	0.1402	Ave		0.146 9				8.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 586277

SDG No.: _____

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/06/2023 13:11 Calibration End Date: 09/06/2023 16:22 Calibration ID: 71756

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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	0.3801 0.4023	0.3573 0.4145	0.4132 0.4107	0.3884 0.4006	0.4099	Ave		0.397 4			0.2000	4.8		20.0			
Cyclohexane	0.3083 0.3445	0.2993 0.3596	0.3500 0.3518	0.3397 0.3441	0.3601	Ave		0.339 7			0.1000	6.4		20.0			
1,1,1-Trichloroethane	0.2978 0.3378	0.2921 0.3499	0.3293 0.3487	0.3237 0.3400	0.3429	Ave		0.329 1			0.1000	6.4		20.0			
Carbon tetrachloride	0.2573 0.2850	0.2260 0.3029	0.2776 0.2971	0.2721 0.2906	0.2959	Ave		0.278 3			0.1000	8.7		20.0			
1,1-Dichloropropene	0.3121 0.3189	0.2689 0.3363	0.3241 0.3314	0.3103 0.3205	0.3345	Ave		0.317 4				6.4		20.0			
Benzene	0.8711 0.9170	0.8105 0.9503	0.9430 0.9350	0.8950 0.9105	0.9375	Ave		0.907 8			0.5000	4.9		20.0			
Isobutyl alcohol	0.0146 0.0183	0.0130 0.0198	0.0165 0.0197	0.0160 0.0194	0.0173	Ave		0.017 2				13.8		20.0			
1,2-Dichloroethane	0.3528 0.3089	0.2994 0.3207	0.3073 0.3140	0.3073 0.3072	0.3211	Ave		0.315 4			0.1000	5.0		20.0			
n-Heptane	0.0452 0.0602	0.0424 0.0642	0.0626 0.0628	0.0553 0.0618	0.0614	Ave		0.057 3				14.1		20.0			
Trichloroethene	0.2313 0.2516	0.2257 0.2639	0.2676 0.2597	0.2468 0.2606	0.2567	Ave		0.251 5			0.1500	5.8		20.0			
Methylcyclohexane	0.2993 0.3922	0.3156 0.4042	0.3756 0.3965	0.3752 0.3839	0.3973	Ave		0.371 1			0.1000	10.1		20.0			
1,2-Dichloropropane	0.2149 0.2376	0.2082 0.2454	0.2443 0.2433	0.2260 0.2360	0.2442	Ave		0.233 3			0.1000	5.9		20.0			
Dibromomethane	++++ 0.1652	0.1365 0.1717	0.1630 0.1676	0.1621 0.1667	0.1644	Ave		0.162 1				6.7		20.0			
1,4-Dioxane	0.0059 0.0064	0.0047 0.0068	0.0063 0.0065	0.0062 0.0065	0.0063	Ave		0.006 2				9.9		20.0			
Dichlorobromomethane	0.2730 0.2847	0.2418 0.2969	0.2750 0.2983	0.2662 0.2940	0.2901	Ave		0.280 0			0.1500	6.5		20.0			
2-Chloroethyl vinyl ether	0.1545 0.1930	0.1527 0.2059	0.1851 0.2036	0.1799 0.2031	0.1940	Ave		0.185 8				10.9		20.0			
cis-1,3-Dichloropropene	0.2902 0.3407	0.2642 0.3651	0.3155 0.3648	0.3137 0.3605	0.3352	Ave		0.327 8			0.1500	10.7		20.0			
4-Methyl-2-pentanone (MIBK)	0.3093 0.3787	0.3591 0.4018	0.3762 0.4004	0.3604 0.3921	0.3774	Ave		0.372 8			0.0500	7.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 586277

SDG No.: _____

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/06/2023 13:11 Calibration End Date: 09/06/2023 16:22 Calibration ID: 71756

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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	1.2897 1.3235	1.1523 1.3410	1.3595 1.3212	1.3115 1.2871	1.3685	Ave		1.306 1			0.4000	4.9		20.0			
trans-1,3-Dichloropropene	0.3559 0.4127	0.3020 0.4327	0.3592 0.4389	0.3651 0.4381	0.3970	Ave		0.389 1			0.1000	12.0		20.0			
Ethyl methacrylate	0.3869 0.4589	0.3484 0.4863	0.4122 0.4911	0.4192 0.4840	0.4569	Ave		0.438 2				11.3		20.0			
1,1,2-Trichloroethane	0.2892 0.2916	0.2507 0.3015	0.3074 0.3005	0.2868 0.2930	0.3042	Ave		0.291 7			0.1000	5.8		20.0			
Tetrachloroethene	0.2987 0.3473	0.3170 0.3513	0.3431 0.3473	0.3371 0.3380	0.3568	Ave		0.337 4			0.1500	5.5		20.0			
1,3-Dichloropropane	0.4790 0.5274	0.4354 0.5422	0.5115 0.5366	0.5094 0.5268	0.5436	Ave		0.512 4				6.9		20.0			
2-Hexanone	0.3325 0.3981	0.3060 0.4135	0.3727 0.4045	0.3789 0.4027	0.3984	Ave		0.378 6			0.0500	9.6		20.0			
Chlorodibromomethane	0.2412 0.2986	0.2483 0.3122	0.2871 0.3172	0.2753 0.3130	0.2975	Ave		0.287 8				9.7		20.0			
Ethylene Dibromide	0.3005 0.3162	0.2667 0.3294	0.3030 0.3241	0.3015 0.3208	0.3280	Ave		0.310 0				6.4		20.0			
Chlorobenzene	0.7931 0.8489	0.7349 0.8675	0.8611 0.8555	0.8255 0.8220	0.8761	Ave		0.831 6			0.3000	5.4		20.0			
Ethylbenzene	0.4186 0.4594	0.3811 0.4696	0.4560 0.4633	0.4337 0.4481	0.4664	Ave		0.444 0				6.5		20.0			
1,1,1,2-Tetrachloroethane	0.2583 0.2854	0.2194 0.2918	0.2587 0.2979	0.2626 0.2888	0.2891	Ave		0.272 4				9.2		20.0			
m-Xylene & p-Xylene	0.5035 0.5658	0.4569 0.5786	0.5547 0.5733	0.5397 0.5541	0.5743	Ave		0.544 5				7.4		20.0			
o-Xylene	0.4827 0.5514	0.4534 0.5686	0.5271 0.5610	0.5130 0.5432	0.5560	Ave		0.528 5				7.4		20.0			
Styrene	0.8218 0.9191	0.7121 0.9377	0.8476 0.9348	0.8456 0.9054	0.9241	Ave		0.872 0			0.3000	8.5		20.0			
Bromoform	0.1193 0.2202	0.1716 0.2350	0.1987 0.2393	0.1907 0.2375	0.2173	Ave		0.203 3			0.1000	19.2		20.0			
Isopropylbenzene	1.1913 1.4307	1.1562 1.4467	1.3933 1.4356	1.3309 1.3837	1.4370	Ave		1.356 1			0.1000	8.1		20.0			
Bromobenzene	0.6210 0.6658	0.5428 0.6867	0.6726 0.6715	0.6204 0.6487	0.6791	Ave		0.645 4				7.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 586277

SDG No.: _____

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/06/2023 13:11 Calibration End Date: 09/06/2023 16:22 Calibration ID: 71756

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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	0.8462 0.8849	0.7884 0.9197	0.8928 0.9051	0.8387 0.8460	0.9003	Ave		0.869 1			0.3000	4.8		20.0			
N-Propylbenzene	0.6918 0.7318	0.5376 0.7468	0.6636 0.7448	0.6908 0.7144	0.7372	Ave		0.695 4				9.4		20.0			
1,2,3-Trichloropropane	0.2746 0.3013	0.2695 0.3058	0.3104 0.3047	0.2809 0.2943	0.2986	Ave		0.293 3				5.0		20.0			
trans-1,4-Dichloro-2-butene	0.1688 0.2339	0.1773 0.2445	0.2207 0.2481	0.2015 0.2453	0.2209	Ave		0.217 9				13.6		20.0			
2-Chlorotoluene	0.5566 0.6308	0.5064 0.6423	0.6483 0.6298	0.6043 0.6113	0.6332	Ave		0.607 0				7.7		20.0			
1,3,5-Trimethylbenzene	1.9885 2.2004	1.8210 2.2829	2.1210 2.2406	2.0525 2.1678	2.2460	Ave		2.124 5				7.0		20.0			
4-Chlorotoluene	0.5146 0.6539	0.5016 0.6691	0.6340 0.6551	0.6301 0.6346	0.6618	Ave		0.617 2				10.3		20.0			
tert-Butylbenzene	1.5997 1.9210	1.4889 1.9648	1.8807 1.9575	1.7942 1.8769	1.9452	Ave		1.825 4				9.3		20.0			
1,2,4-Trimethylbenzene	1.8958 2.3000	1.6574 2.3287	2.1766 2.3002	2.0704 2.2168	2.3048	Ave		2.139 0				10.7		20.0			
sec-Butylbenzene	2.2805 2.8113	2.1396 2.8688	2.5974 2.8220	2.5984 2.6827	2.7958	Ave		2.621 8				9.7		20.0			
4-Isopropyltoluene	1.8450 2.4041	1.8298 2.4637	2.1921 2.4565	2.1991 2.3510	2.4160	Ave		2.239 7				11.1		20.0			
1,3-Dichlorobenzene	1.1087 1.2310	1.0973 1.2725	1.2436 1.2626	1.1740 1.2210	1.2845	Ave		1.210 6			0.6000	5.7		20.0			
1,4-Dichlorobenzene	1.1593 1.2483	1.0428 1.2902	1.2819 1.2684	1.1811 1.2299	1.2819	Ave		1.220 4			0.5000	6.6		20.0			
n-Butylbenzene	1.6784 2.1067	1.6352 2.1981	1.9631 2.1684	1.8887 2.0875	2.1090	Ave		1.981 7				10.5		20.0			
1,2-Dichlorobenzene	1.0707 1.1910	1.0602 1.2162	1.1767 1.2019	1.1465 1.1695	1.2342	Ave		1.163 0			0.4000	5.2		20.0			
1,2-Dibromo-3-Chloropropane	0.2112 0.2432	0.1859 0.2607	0.2309 0.2612	0.2112 0.2584	0.2371	Ave		0.233 3			0.0500	11.2		20.0			
1,2,4-Trichlorobenzene	0.7676 0.8131	0.6738 0.8491	0.7685 0.8317	0.7513 0.8218	0.7905	Ave		0.785 3			0.2000	6.8		20.0			
Hexachlorobutadiene	0.2894 0.3375	0.3221 0.3518	0.3530 0.3538	0.3310 0.3359	0.3351	Ave		0.334 4				6.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 586277

SDG No.: _____

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/06/2023 13:11 Calibration End Date: 09/06/2023 16:22 Calibration ID: 71756

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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	2.1634 2.6374	1.9197 2.7734	2.3224 2.7608	2.3386 2.7097	2.6101	Ave		2.470 6				12.1		20.0			
1,2,3-Trichlorobenzene	0.6225 0.7817	0.5918 0.8037	0.7255 0.8002	0.7174 0.7875	0.7731	Ave		0.733 7				10.7		20.0			
Dibromofluoromethane (Surr)	0.2661 0.2543	0.2588 0.2653	0.2651 0.2610	0.2607 0.2547	0.2597	Ave		0.260 6				1.7		20.0			
1,2-Dichloroethane-d4 (Surr)	0.2823 0.2738	0.2828 0.2827	0.2843 0.2766	0.2772 0.2736	0.2781	Ave		0.279 0				1.5		20.0			
Toluene-d8 (Surr)	1.3344 1.3197	1.3296 1.3221	1.3406 1.3339	1.3311 1.3034	1.3332	Ave		1.327 6				0.8		20.0			
4-Bromofluorobenzene (Surr)	0.4753 0.4686	0.4770 0.4847	0.4800 0.4848	0.4849 0.4836	0.4861	Ave		0.480 6				1.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 586277

SDG No.: _____

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/06/2023 13:11 Calibration End Date: 09/06/2023 16:22 Calibration ID: 71756

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-586277/3	224014.D
Level 2	IC 240-586277/4	224015.D
Level 3	IC 240-586277/5	224016.D
Level 4	IC 240-586277/6	224017.D
Level 5	IC 240-586277/7	224018.D
Level 6	ICIS 240-586277/8	224019.D
Level 7	IC 240-586277/9	224020.D
Level 8	IC 240-586277/10	224021.D
Level 9	IC 240-586277/11	224022.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	6566 315694	11037 442527	26497 591421	79475 724263	162355	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Chloromethane	FB	Ave	7133 333152	12307 488255	31082 646316	82560 820862	166520	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Vinyl chloride	FB	Ave	6020 310322	10910 458426	27350 611925	79822 769535	154370	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Butadiene	FB	Ave	5925 306459	10247 435683	26372 582253	77426 720859	155216	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Bromomethane	FB	Ave	3691 113028	5488 181280	11528 261728	30550 337949	58516	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Chloroethane	FB	Ave	3668 152896	6630 217122	15796 277243	45226 346292	87313	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Trichlorofluoromethane	FB	Ave	7226 381588	13007 536758	33167 722615	95113 903648	192054	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Dichlorofluoromethane	FB	Ave	8842 426969	15926 617475	38657 827295	107176 1029389	211985	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Ethyl ether	FB	Ave	3922 204663	6806 304695	20218 410683	48188 512787	101817	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	4445 232588	7847 344628	22876 455745	57687 565083	116850	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Acrolein	FB	Ave	3613 173132	6206 264104	16455 355645	43486 437230	84896	2.50 125	5.00 188	12.5 250	31.3 313	62.5
1,1-Dichloroethene	FB	Ave	3497 209816	7340 313854	20730 421772	50211 519925	104112	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Acetone	FB	Ave	+++++ 280379	14262 423985	33643 569626	66744 713685	140860	+++++ 50.0	2.00 75.0	5.00 100	12.5 125	25.0
Iodomethane	FB	Ave	6417 279401	8537 427878	21862 577878	58451 728644	131414	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 Cleveland Job No.: 240-193522-1 Analy Batch No.: 586277

SDG No.: _____

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/06/2023 13:11 Calibration End Date: 09/06/2023 16:22 Calibration ID: 71756

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
Carbon disulfide	FB	Ave	11795 604994	20682 901756	59095 1208435	140891 1492023	295462	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
3-Chloro-1-propene	FB	Ave	6683 358681	12371 540201	34973 718104	85736 883327	179240	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Methyl acetate	FB	Ave	++++ 694347	33926 1052401	76233 1397922	168124 1742202	343765	++++ 50.0	2.00 75.0	5.00 100	12.5 125	25.0
Methylene Chloride	FB	Lin1	8552 251849	13034 373653	30310 497437	63893 626983	129329	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
2-Methyl-2-propanol	FB	Ave	11447 637283	21626 991771	58902 1337371	145864 1695197	299226	5.00 250	10.0 375	25.0 500	62.5 625	125
Methyl tert-butyl ether	FB	Ave	13092 733840	24051 1104600	71676 1495436	173881 1888218	362437	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
trans-1,2-Dichloroethene	FB	Ave	4717 241091	8282 357895	24338 478151	57116 599952	120792	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Acrylonitrile	FB	Ave	28819 1596393	53824 2437143	159436 3191810	379696 4048377	783337	5.00 250	10.0 375	25.0 500	62.5 625	125
Hexane	FB	Ave	6733 352223	11883 529177	32599 703089	82258 867317	173945	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,1-Dichloroethane	FB	Ave	8192 449727	14431 674722	45020 909730	107633 1124648	225209	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Vinyl acetate	FB	Ave	7904 407919	12924 601856	36508 810207	98000 ++++	206325	0.500 25.0	1.00 37.5	2.50 50.0	6.25 ++++	12.5
2,2-Dichloropropane	FB	Ave	1123 65779	2265 100959	6537 134301	15345 168668	31221	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
cis-1,2-Dichloroethene	FB	Ave	4720 270178	8230 399899	26034 538459	65416 674885	134978	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
2-Butanone (MEK)	FB	Ave	2349 113358	3858 176371	10923 237885	26714 300876	55831	1.00 50.0	2.00 75.0	5.00 100	12.5 125	25.0
Chlorobromomethane	FB	Ave	3779 210853	7243 306746	21736 412114	50815 509877	104554	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Tetrahydrofuran	FB	Ave	7597 304839	12243 465721	30522 620180	73973 783857	148470	1.00 50.0	2.00 75.0	5.00 100	12.5 125	25.0
Chloroform	FB	Ave	7997 440521	15006 652409	43997 880578	104258 1097589	217091	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Cyclohexane	FB	Ave	6486 377158	12568 565981	37271 754212	91197 942705	190744	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,1,1-Trichloroethane	FB	Ave	6264 369809	12267 550820	35064 747558	86886 931590	181639	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Carbon tetrachloride	FB	Ave	5412 312012	9491 476690	29565 637019	73051 796210	156737	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,1-Dichloropropene	FB	Ave	6565	11294	34509	83302	177160	0.500	1.00	2.50	6.25	12.5

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 586277

SDG No.: _____

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/06/2023 13:11 Calibration End Date: 09/06/2023 16:22 Calibration ID: 71756

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
			349108	529340	710481	878147		25.0	37.5	50.0	62.5	
Benzene	FB	Ave	18325 1004005	34039 1495798	100419 2004690	240254 2494894	496536	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Isobutyl alcohol	FB	Ave	7675 500284	13657 778366	43981 1056386	107389 1329918	229604	12.5 625	25.0 938	62.5 1250	156 1563	313
1,2-Dichloroethane	FB	Ave	7422 338165	12575 504759	32724 673243	82494 841736	170068	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
n-Heptane	FB	Ave	951 65958	1780 101067	6666 134603	14833 169281	32534	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Trichloroethene	FB	Ave	4867 275501	9478 415374	28491 556793	66262 714056	135951	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Methylcyclohexane	FB	Ave	6297 429374	13254 636234	39993 850151	100713 1051850	210418	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,2-Dichloropropane	FB	Ave	4522 260194	8745 386315	26013 521581	60671 646546	129324	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Dibromomethane	FB	Ave	++++ 180870	5732 270231	17355 359369	43522 456730	87065	++++ 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,4-Dioxane	FB	Ave	2498 139365	3943 214943	13332 280396	33280 357121	66430	10.0 500	20.0 750	50.0 1000	125 1250	250
Dichlorobromomethane	FB	Ave	5743 311745	10156 467376	29286 639583	71457 805695	153678	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
2-Chloroethyl vinyl ether	FB	Ave	6500 422665	12823 648260	39420 872922	96562 1112972	205543	1.00 50.0	2.00 75.0	5.00 100	12.5 125	25.0
cis-1,3-Dichloropropene	FB	Ave	6105 373079	11096 574726	33597 782020	84199 987838	177564	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	13014 829179	30158 1264852	80128 1716858	193492 2148896	399785	1.00 50.0	2.00 75.0	5.00 100	12.5 125	25.0
Toluene	CBNZd 5	Ave	20214 1067008	35492 1586656	105796 2115214	259546 2634208	533593	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
trans-1,3-Dichloropropene	CBNZd 5	Ave	5578 332742	9301 511922	27949 702595	72258 896616	154805	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Ethyl methacrylate	CBNZd 5	Ave	6064 369967	10732 575332	32080 786269	82957 990481	178141	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,1,2-Trichloroethane	CBNZd 5	Ave	4533 235082	7723 356693	23923 481150	56764 599742	118602	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Tetrachloroethene	CBNZd 5	Ave	4681 279984	9763 415679	26698 556025	66706 691643	139136	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 Cleveland Job No.: 240-193522-1 Analy Batch No.: 586277

SDG No.: _____

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/06/2023 13:11 Calibration End Date: 09/06/2023 16:22 Calibration ID: 71756

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
1,3-Dichloropropane	CBNZd 5	Ave	7508	13412	39807	100812	211952	0.500	1.00	2.50	6.25	12.5
			425186	641489	859097	1078137		25.0	37.5	50.0	62.5	
2-Hexanone	CBNZd 5	Ave	10424	18852	58007	149951	310678	1.00	2.00	5.00	12.5	25.0
			641947	978592	1295168	1648328		50.0	75.0	100	125	
Chlorodibromomethane	CBNZd 5	Ave	3780	7647	22345	54486	115982	0.500	1.00	2.50	6.25	12.5
			240693	369426	507891	640496		25.0	37.5	50.0	62.5	
Ethylene Dibromide	CBNZd 5	Ave	4710	8215	23582	59663	127894	0.500	1.00	2.50	6.25	12.5
			254882	389701	518902	656487		25.0	37.5	50.0	62.5	
Chlorobenzene	CBNZd 5	Ave	12430	22635	67007	163369	341615	0.500	1.00	2.50	6.25	12.5
			684403	1026343	1369625	1682315		25.0	37.5	50.0	62.5	
Ethylbenzene	CBNZd 5	Ave	6561	11740	35483	85823	181842	0.500	1.00	2.50	6.25	12.5
			370387	555608	741758	917056		25.0	37.5	50.0	62.5	
1,1,1,2-Tetrachloroethane	CBNZd 5	Ave	4049	6757	20129	51964	112711	0.500	1.00	2.50	6.25	12.5
			230058	345211	476978	591098		25.0	37.5	50.0	62.5	
m-Xylene & p-Xylene	CBNZd 5	Ave	7891	14073	43168	106812	223942	0.500	1.00	2.50	6.25	12.5
			456104	684550	917799	1133946		25.0	37.5	50.0	62.5	
o-Xylene	CBNZd 5	Ave	7566	13965	41021	101524	216788	0.500	1.00	2.50	6.25	12.5
			444526	672755	898118	1111750		25.0	37.5	50.0	62.5	
Styrene	CBNZd 5	Ave	12880	21935	65959	167339	360319	0.500	1.00	2.50	6.25	12.5
			740946	1109440	1496597	1853046		25.0	37.5	50.0	62.5	
Bromoform	CBNZd 5	Ave	1870	5285	15466	37740	84729	0.500	1.00	2.50	6.25	12.5
			177541	278037	383082	485996		25.0	37.5	50.0	62.5	
Isopropylbenzene	CBNZd 5	Ave	18671	35614	108420	263381	560304	0.500	1.00	2.50	6.25	12.5
			1153388	1711639	2298258	2831747		25.0	37.5	50.0	62.5	
Bromobenzene	DCBd4	Ave	5236	9013	28425	67180	144868	0.500	1.00	2.50	6.25	12.5
			291089	439883	580363	719346		25.0	37.5	50.0	62.5	
1,1,2,2-Tetrachloroethane	DCBd4	Ave	7135	13090	37732	90826	192045	0.500	1.00	2.50	6.25	12.5
			386857	589158	782286	938203		25.0	37.5	50.0	62.5	
N-Propylbenzene	DCBd4	Ave	5833	8926	28044	74810	157248	0.500	1.00	2.50	6.25	12.5
			319933	478428	643736	792215		25.0	37.5	50.0	62.5	
1,2,3-Trichloropropane	DCBd4	Ave	2315	4474	13119	30415	63705	0.500	1.00	2.50	6.25	12.5

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 586277

SDG No.: _____

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/06/2023 13:11 Calibration End Date: 09/06/2023 16:22 Calibration ID: 71756

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
			131699	195882	263372	326376		25.0	37.5	50.0	62.5	
trans-1,4-Dichloro-2-butene	DCBd4	Ave	1423	2943	9326	21823	47132	0.500	1.00	2.50	6.25	12.5
			102253	156650	214411	271977		25.0	37.5	50.0	62.5	
2-Chlorotoluene	DCBd4	Ave	4693	8408	27399	65445	135062	0.500	1.00	2.50	6.25	12.5
			275771	411480	544327	677911		25.0	37.5	50.0	62.5	
1,3,5-Trimethylbenzene	DCBd4	Ave	16766	30234	89636	222265	479118	0.500	1.00	2.50	6.25	12.5
			961972	1462414	1936625	2403935		25.0	37.5	50.0	62.5	
4-Chlorotoluene	DCBd4	Ave	4339	8329	26794	68235	141164	0.500	1.00	2.50	6.25	12.5
			285887	428621	566268	703680		25.0	37.5	50.0	62.5	
tert-Butylbenzene	DCBd4	Ave	13488	24720	79482	194290	414952	0.500	1.00	2.50	6.25	12.5
			839808	1258633	1691978	2081321		25.0	37.5	50.0	62.5	
1,2,4-Trimethylbenzene	DCBd4	Ave	15985	27519	91986	224210	491647	0.500	1.00	2.50	6.25	12.5
			1005510	1491757	1988170	2458245		25.0	37.5	50.0	62.5	
sec-Butylbenzene	DCBd4	Ave	19228	35525	109770	281378	596384	0.500	1.00	2.50	6.25	12.5
			1229009	1837758	2439134	2974862		25.0	37.5	50.0	62.5	
4-Isopropyltoluene	DCBd4	Ave	15556	30381	92641	238143	515371	0.500	1.00	2.50	6.25	12.5
			1051029	1578271	2123277	2607026		25.0	37.5	50.0	62.5	
1,3-Dichlorobenzene	DCBd4	Ave	9348	18219	52555	127130	274011	0.500	1.00	2.50	6.25	12.5
			538178	815159	1091320	1353961		25.0	37.5	50.0	62.5	
1,4-Dichlorobenzene	DCBd4	Ave	9775	17314	54176	127906	273458	0.500	1.00	2.50	6.25	12.5
			545706	826534	1096335	1363872		25.0	37.5	50.0	62.5	
n-Butylbenzene	DCBd4	Ave	14152	27150	82964	204529	449881	0.500	1.00	2.50	6.25	12.5
			920982	1408083	1874264	2314923		25.0	37.5	50.0	62.5	
1,2-Dichlorobenzene	DCBd4	Ave	9028	17603	49727	124159	263266	0.500	1.00	2.50	6.25	12.5
			520678	779073	1038883	1296921		25.0	37.5	50.0	62.5	
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	1781	3086	9757	22874	50582	0.500	1.00	2.50	6.25	12.5
			106314	166983	225777	286537		25.0	37.5	50.0	62.5	
1,2,4-Trichlorobenzene	DCBd4	Ave	6472	11187	32480	81362	168619	0.500	1.00	2.50	6.25	12.5
			355473	543933	718885	911292		25.0	37.5	50.0	62.5	
Hexachlorobutadiene	DCBd4	Ave	2440	5348	14917	35843	71485	0.500	1.00	2.50	6.25	12.5
			147533	225375	305822	372499		25.0	37.5	50.0	62.5	
Naphthalene	DCBd4	Ave	18241	31874	98147	253249	556779	0.500	1.00	2.50	6.25	12.5
			1152984	1776613	2386287	3004822		25.0	37.5	50.0	62.5	
1,2,3-Trichlorobenzene	DCBd4	Ave	5249	9826	30661	77689	164904	0.500	1.00	2.50	6.25	12.5
			341738	514820	691624	873270		25.0	37.5	50.0	62.5	
Dibromofluoromethane (Surr)	FB	Ave	279895	271687	282299	279912	275059	25.0	25.0	25.0	25.0	25.0
			278406	278384	279740	279188		25.0	25.0	25.0	25.0	
1,2-Dichloroethane-d4 (Surr)	FB	Ave	296971	296964	302702	297699	294589	25.0	25.0	25.0	25.0	25.0
			299728	296662	296489	299866		25.0	25.0	25.0	25.0	
Toluene-d8 (Surr)	CBNZd 5	Ave	1045689	1023833	1043229	1053690	1039664	25.0	25.0	25.0	25.0	25.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 586277

SDG No.: _____

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/06/2023 13:11 Calibration End Date: 09/06/2023 16:22 Calibration ID: 71756

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
			1063973	1042825	1067727	1066993		25.0	25.0	25.0	25.0	
4-Bromofluorobenzene (Surr)	CBNZd 5	Ave	372449	367286	373494	383808	379049	25.0	25.0	25.0	25.0	25.0
			377819	382354	388099	395929		25.0	25.0	25.0	25.0	

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 586277

SDG No.: _____

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/06/2023 13:11 Calibration End Date: 09/06/2023 16:22 Calibration ID: 71756

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-586277/3	224014.D
Level 2	IC 240-586277/4	224015.D
Level 3	IC 240-586277/5	224016.D
Level 4	IC 240-586277/6	224017.D
Level 5	IC 240-586277/7	224018.D
Level 6	ICIS 240-586277/8	224019.D
Level 7	IC 240-586277/9	224020.D
Level 8	IC 240-586277/10	224021.D
Level 9	IC 240-586277/11	224022.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
Dichlorodifluoromethane	10.8 -0.2	-6.7 -2.1	-11.7 -6.2	5.1	8.8	2.3	50 30	30 30	30 30	30	30	30
Chloromethane	10.5 1.1	-4.5 -1.8	-4.9 -2.4	0.2	2.5	-0.8	50 30	30 30	30 30	30	30	30
Vinyl chloride	1.7 3.5	-7.7 1.4	-8.7 -0.2	5.7	3.6	0.7	50 30	30 30	30 30	30	30	30
Butadiene	3.6 1.8	-10.2 -0.1	-8.9 -3.2	6.1	7.8	3.0	50 30	30 30	30 30	30	30	30
Bromomethane	43.2 -6.0	6.7 -0.3	-11.6 0.7	-7.1	-9.8	-15.7	50 30	30 30	30 30	30	30	30
Chloroethane	16.5 -7.8	5.5 -13.6	-0.9 -15.6	12.6	10.1	-6.7	50 30	30 30	30 30	30	30	30
Trichlorofluoromethane	1.8 1.0	-8.2 -0.1	-7.7 -2.3	5.0	7.4	3.2	50 30	30 30	30 30	30	30	30
Dichlorofluoromethane	7.9 0.7	-2.6 -0.9	-6.8 -3.6	2.5	2.7	0.1	50 30	30 30	30 30	30	30	30
Ethyl ether	0.5 4.4	-12.6 3.3	2.4 0.9	-3.2	3.6	0.8	50 30	30 30	30 30	30	30	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2 3.8	-11.4 0.8	1.8 -2.2	1.9	4.6	0.7	50 30	30 30	30 30	30	30	30
Acrolein	6.8 4.3	-8.1 3.1	-3.9 -0.8	0.7	-0.4	-1.7	50 30	30 30	30 30	30	30	30
1,1-Dichloroethene	-11.8 5.8	-7.3 4.3	3.3 0.6	-0.8	4.3	1.6	50 30	30 30	30 30	30	30	30
Acetone	++++ -3.0	22.3 -4.3	13.8 -6.2	-10.5	-4.2	-7.8	30 30	50 30	30 30	30	30	30
Iodomethane	22.4 9.1	-18.4 8.2	-17.6 6.8	-12.6	-0.4	2.4	50 30	30 30	30 30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 586277

SDG No.: _____

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/06/2023 13:11 Calibration End Date: 09/06/2023 16:22 Calibration ID: 71756

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
Carbon disulfide	2.5 4.7	-10.0 3.0	1.4 -0.5	-4.1	2.0	1.0	50 30	30 30	30 30	30	30	30
3-Chloro-1-propene	-2.3 5.5	-9.4 3.0	1.0 -0.9	-1.8	4.1	0.7	50 30	30 30	30 30	30	30	30
Methyl acetate	++++ -0.8	19.9 -3.2	6.3 -5.6	-7.0	-3.7	-5.9	50 30	30 30	30 30	30	30	30
Methylene Chloride	-2.6 2.1	-4.7 0.0	7.9 -1.2	-2.9	3.0	-1.6	50 30	30 30	30 30	30	30	30
2-Methyl-2-propanol	-5.4 9.6	-10.4 8.5	-3.8 7.6	-5.5	-1.8	1.2	50 30	30 30	30 30	30	30	30
Methyl tert-butyl ether	-6.0 6.0	-13.5 5.3	1.7 4.1	-2.2	3.4	1.2	50 30	30 30	30 30	30	30	30
trans-1,2-Dichloroethene	1.9 3.3	-10.4 1.4	3.9 -0.5	-3.3	3.6	0.1	50 30	30 30	30 30	30	30	30
Acrylonitrile	-5.3 7.1	-11.4 2.9	3.5 2.2	-2.2	2.3	0.8	50 30	30 30	30 30	30	30	30
Hexane	1.2 6.3	-10.5 3.7	-3.2 0.1	-3.1	3.8	1.7	50 30	30 30	30 30	30	30	30
1,1-Dichloroethane	-4.1 5.5	-15.4 4.5	4.1 1.0	-1.3	4.7	1.1	50 30	30 30	30 30	30	30	30
Vinyl acetate	3.2 5.0	-15.5 3.8	-5.9 ++++	0.2	7.0	2.3	50 30	30 30	30 30	30	30	30
2,2-Dichloropropane	-9.9 8.3	-9.0 5.7	3.6 3.9	-3.5	-0.5	1.4	50 30	30 30	30 30	30	30	30
cis-1,2-Dichloroethene	-6.6 5.8	-18.4 4.6	1.8 2.6	1.5	6.1	2.7	50 30	30 30	30 30	30	30	30
2-Butanone (MEK)	6.1 6.4	-12.7 5.4	-2.6 4.3	-5.5	0.1	-1.6	50 30	30 30	30 30	30	30	30
Chlorobromomethane	-5.4 2.6	-9.2 1.2	7.5 -2.0	-0.3	4.0	1.4	50 30	30 30	30 30	30	30	30
Tetrahydrofuran	22.9 0.7	-0.8 -1.6	-2.5 -2.7	-6.2	-4.6	-5.3	50 30	30 30	30 30	30	30	30
Chloroform	-4.4 4.3	-10.1 3.3	4.0 0.8	-2.3	3.1	1.2	50 30	30 30	30 30	30	30	30
Cyclohexane	-9.2 5.9	-11.9 3.6	3.0 1.3	0.0	6.0	1.4	50 30	30 30	30 30	30	30	30
1,1,1-Trichloroethane	-9.5 6.3	-11.3 5.9	0.0 3.3	-1.7	4.2	2.6	50 30	30 30	30 30	30	30	30
Carbon tetrachloride	-7.6 8.8	-18.8 6.8	-0.2 4.4	-2.2	6.3	2.4	50 30	30 30	30 30	30	30	30
1,1-Dichloropropene	-1.7 5.9	-15.3 4.4	2.1 1.0	-2.2	5.4	0.4	50 30	30 30	30 30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 586277

SDG No.: _____

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/06/2023 13:11 Calibration End Date: 09/06/2023 16:22 Calibration ID: 71756

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
Benzene	-4.0 4.7	-10.7 3.0	3.9 0.3	-1.4	3.3	1.0	50 30	30 30	30 30	30	30	30
Isobutyl alcohol	-15.1 15.1	-24.3 14.7	-3.9 13.0	-6.9	0.9	6.4	50 30	30 30	30 30	30	30	30
1,2-Dichloroethane	11.9 1.7	-5.1 -0.4	-2.6 -2.6	-2.6	1.8	-2.1	50 30	30 30	30 30	30	30	30
n-Heptane	-21.1 12.0	-26.1 9.5	9.2 7.8	-3.6	7.2	5.1	50 30	30 30	30 30	30	30	30
Trichloroethene	-8.0 4.9	-10.3 3.2	6.4 3.6	-1.9	2.0	0.0	50 30	30 30	30 30	30	30	30
Methylcyclohexane	-19.3 8.9	-15.0 6.9	1.2 3.5	1.1	7.1	5.7	50 30	30 30	30 30	30	30	30
1,2-Dichloropropane	-7.9 5.2	-10.8 4.3	4.7 1.1	-3.1	4.6	1.8	50 30	30 30	30 30	30	30	30
Dibromomethane	++++ 5.9	-15.8 3.4	0.5 2.8	0.0	1.4	1.9	30 30	50 30	30 30	30	30	30
1,4-Dioxane	-3.9 10.5	-24.0 5.8	1.3 5.5	0.3	1.5	3.0	50 30	30 30	30 30	30	30	30
Dichlorobromomethane	-2.5 6.0	-13.6 6.5	-1.8 5.0	-4.9	3.6	1.7	50 30	30 30	30 30	30	30	30
2-Chloroethyl vinyl ether	-16.8 10.9	-17.8 9.6	-0.4 9.3	-3.2	4.5	3.9	50 30	30 30	30 30	30	30	30
cis-1,3-Dichloropropene	-11.5 11.4	-19.4 11.3	-3.7 10.0	-4.3	2.3	4.0	50 30	30 30	30 30	30	30	30
4-Methyl-2-pentanone (MIBK)	-17.0 7.8	-3.7 7.4	0.9 5.2	-3.3	1.2	1.6	50 30	30 30	30 30	30	30	30
Toluene	-1.2 2.7	-11.8 1.2	4.1 -1.4	0.4	4.8	1.3	50 30	30 30	30 30	30	30	30
trans-1,3-Dichloropropene	-8.5 11.2	-22.4 12.8	-7.7 12.6	-6.2	2.0	6.1	50 30	30 30	30 30	30	30	30
Ethyl methacrylate	-11.7 11.0	-20.5 12.1	-5.9 10.4	-4.3	4.3	4.7	50 30	30 30	30 30	30	30	30
1,1,2-Trichloroethane	-0.8 3.4	-14.0 3.0	5.4 0.5	-1.7	4.3	0.0	50 30	30 30	30 30	30	30	30
Tetrachloroethene	-11.5 4.1	-6.1 2.9	1.7 0.2	-0.1	5.8	2.9	50 30	30 30	30 30	30	30	30
1,3-Dichloropropane	-6.5 5.8	-15.0 4.7	-0.2 2.8	-0.6	6.1	2.9	50 30	30 30	30 30	30	30	30
2-Hexanone	-12.2 9.2	-19.2 6.8	-1.6 6.4	0.1	5.2	5.2	50 30	30 30	30 30	30	30	30
Chlorodibromomethane	-16.2 8.5	-13.7 10.2	-0.2 8.7	-4.3	3.3	3.7	50 30	30 30	30 30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 586277

SDG No.: _____

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/06/2023 13:11 Calibration End Date: 09/06/2023 16:22 Calibration ID: 71756

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 #	LVL 2 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6
	LVL 7 #	LVL 8 #	LVL 9 #				LVL 7	LVL 8	LVL 9			
Ethylene Dibromide	-3.1 6.2	-14.0 4.6	-2.3 3.5	-2.8	5.8	2.0	50 30	30 30	30 30	30	30	30
Chlorobenzene	-4.6 4.3	-11.6 2.9	3.5 -1.2	-0.7	5.4	2.1	50 30	30 30	30 30	30	30	30
Ethylbenzene	-5.7 5.8	-14.2 4.3	2.7 0.9	-2.3	5.0	3.5	50 30	30 30	30 30	30	30	30
1,1,1,2-Tetrachloroethane	-5.2 7.1	-19.5 9.4	-5.1 6.0	-3.6	6.1	4.7	50 30	30 30	30 30	30	30	30
m-Xylene & p-Xylene	-7.5 6.3	-16.1 5.3	1.9 1.8	-0.9	5.5	3.9	50 30	30 30	30 30	30	30	30
o-Xylene	-8.7 7.6	-14.2 6.1	-0.3 2.8	-2.9	5.2	4.3	50 30	30 30	30 30	30	30	30
Styrene	-5.8 7.5	-18.3 7.2	-2.8 3.8	-3.0	6.0	5.4	50 30	30 30	30 30	30	30	30
Bromoform	-41.3 15.6	-15.6 17.7	-2.2 16.8	-6.2	6.9	8.3	50 30	30 30	30 30	30	30	30
Isopropylbenzene	-12.2 6.7	-14.7 5.9	2.7 2.0	-1.9	6.0	5.5	50 30	30 30	30 30	30	30	30
Bromobenzene	-3.8 6.4	-15.9 4.0	4.2 0.5	-3.9	5.2	3.2	50 30	30 30	30 30	30	30	30
1,1,2,2-Tetrachloroethane	-2.6 5.8	-9.3 4.1	2.7 -2.7	-3.5	3.6	1.8	50 30	30 30	30 30	30	30	30
N-Propylbenzene	-0.5 7.4	-22.7 7.1	-4.6 2.7	-0.7	6.0	5.2	50 30	30 30	30 30	30	30	30
1,2,3-Trichloropropane	-6.4 4.2	-8.1 3.9	5.8 0.3	-4.3	1.8	2.7	50 30	30 30	30 30	30	30	30
trans-1,4-Dichloro-2-butene	-22.5 12.2	-18.6 13.9	1.3 12.6	-7.5	1.4	7.4	50 30	30 30	30 30	30	30	30
2-Chlorotoluene	-8.3 5.8	-16.6 3.7	6.8 0.7	-0.4	4.3	3.9	50 30	30 30	30 30	30	30	30
1,3,5-Trimethylbenzene	-6.4 7.5	-14.3 5.5	-0.2 2.0	-3.4	5.7	3.6	50 30	30 30	30 30	30	30	30
4-Chlorotoluene	-16.6 8.4	-18.7 6.1	2.7 2.8	2.1	7.2	6.0	50 30	30 30	30 30	30	30	30
tert-Butylbenzene	-12.4 7.6	-18.4 7.2	3.0 2.8	-1.7	6.6	5.2	50 30	30 30	30 30	30	30	30
1,2,4-Trimethylbenzene	-11.4 8.9	-22.5 7.5	1.8 3.6	-3.2	7.8	7.5	50 30	30 30	30 30	30	30	30
sec-Butylbenzene	-13.0 9.4	-18.4 7.6	-0.9 2.3	-0.9	6.6	7.2	50 30	30 30	30 30	30	30	30
4-Isopropyltoluene	-17.6 10.0	-18.3 9.7	-2.1 5.0	-1.8	7.9	7.3	50 30	30 30	30 30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 586277

SDG No.: _____

Instrument ID: A3UX22 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/06/2023 13:11 Calibration End Date: 09/06/2023 16:22 Calibration ID: 71756

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
1,3-Dichlorobenzene	-8.4 5.1	-9.4 4.3	2.7 0.9	-3.0	6.1	1.7	50 30	30 30	30 30	30	30	30
1,4-Dichlorobenzene	-5.0 5.7	-14.6 3.9	5.0 0.8	-3.2	5.0	2.3	50 30	30 30	30 30	30	30	30
n-Butylbenzene	-15.3 10.9	-17.5 9.4	-0.9 5.3	-4.7	6.4	6.3	50 30	30 30	30 30	30	30	30
1,2-Dichlorobenzene	-7.9 4.6	-8.8 3.3	1.2 0.6	-1.4	6.1	2.4	50 30	30 30	30 30	30	30	30
1,2-Dibromo-3-Chloropropane	-9.5 11.7	-20.3 12.0	-1.0 10.8	-9.5	1.6	4.2	50 30	30 30	30 30	30	30	30
1,2,4-Trichlorobenzene	-2.3 8.1	-14.2 5.9	-2.1 4.6	-4.3	0.7	3.5	50 30	30 30	30 30	30	30	30
Hexachlorobutadiene	-13.5 5.2	-3.7 5.8	5.6 0.5	-1.0	0.2	0.9	50 30	30 30	30 30	30	30	30
Naphthalene	-12.4 12.3	-22.3 11.7	-6.0 9.7	-5.3	5.6	6.7	50 30	30 30	30 30	30	30	30
1,2,3-Trichlorobenzene	-15.2 9.5	-19.3 9.1	-1.1 7.3	-2.2	5.4	6.5	50 30	30 30	30 30	30	30	30
Dibromofluoromethane (Surr)	2.1 1.8	-0.7 0.1	1.7 -2.3	0.0	-0.4	-2.4	50 30	30 30	30 30	30	30	30
1,2-Dichloroethane-d4 (Surr)	1.2 1.3	1.4 -0.9	1.9 -2.0	-0.6	-0.3	-1.9	50 30	30 30	30 30	30	30	30
Toluene-d8 (Surr)	0.5 -0.4	0.2 0.5	1.0 -1.8	0.3	0.4	-0.6	50 30	30 30	30 30	30	30	30
4-Bromofluorobenzene (Surr)	-1.1 0.9	-0.7 0.9	-0.1 0.6	0.9	1.1	-2.5	50 30	30 30	30 30	30	30	30

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224014.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 06-Sep-2023 13:11:31 ALS Bottle#: 0 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0133168-003
 Operator ID: 002808 Instrument ID: A3UX22
 Sublist: chrom-8260_22*sub1
 Method: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 07-Sep-2023 14:19:08 Calib Date: 06-Sep-2023 22:20:06
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224037.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 07-Sep-2023 10:43:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.251	7.263	-0.012	99	1051879	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.394	0.000	86	783644	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	94	421582	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	94	279895	25.0	25.5	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	296971	25.0	25.3	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	95	1045689	25.0	25.1	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.425	11.425	0.000	91	372449	25.0	24.7	
9 Dichlorodifluoromethane	85	1.239	1.239	0.000	99	6566	0.5000	0.5538	
10 Chloromethane	50	1.428	1.440	-0.012	97	7133	0.5000	0.5525	
12 Vinyl chloride	62	1.523	1.535	-0.012	96	6020	0.5000	0.5085	
11 Butadiene	54	1.559	1.559	0.000	95	5925	0.5000	0.5181	
13 Bromomethane	94	1.867	1.867	0.000	97	3691	0.5000	0.7161	M
15 Chloroethane	64	1.962	1.962	0.000	95	3668	0.5000	0.5824	
17 Trichlorofluoromethane	101	2.211	2.211	0.000	97	7226	0.5000	0.5088	
16 Dichlorofluoromethane	67	2.235	2.235	0.000	98	8842	0.5000	0.5395	
18 Ethyl ether	59	2.602	2.603	-0.001	92	3922	0.5000	0.5026	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	2.828	2.828	0.000	89	4445	0.5000	0.5008	
19 Acrolein	56	2.851	2.852	-0.001	71	3613	2.50	2.67	
20 1,1-Dichloroethene	96	2.863	2.863	0.000	94	3497	0.5000	0.4408	
22 Acetone	43	3.065	3.077	-0.012	99	10392	1.00	1.78	
24 Iodomethane	142	3.077	3.077	0.000	87	6417	0.5000	0.6122	
25 Carbon disulfide	76	3.100	3.101	-0.001	98	11795	0.5000	0.5123	
27 3-Chloro-1-propene	41	3.421	3.421	0.000	91	6683	0.5000	0.4885	
28 Methyl acetate	43	3.516	3.504	0.012	98	22235	1.00	1.57	
29 Methylene Chloride	84	3.670	3.658	0.012	92	8552	0.5000	0.4872	
30 2-Methyl-2-propanol	59	3.954	3.954	0.000	96	11447	5.00	4.73	
33 Methyl tert-butyl ether	73	4.014	4.014	0.000	89	13092	0.5000	0.4700	
32 trans-1,2-Dichloroethene	96	4.025	4.014	0.011	71	4717	0.5000	0.5095	
31 Acrylonitrile	53	4.215	4.227	-0.012	97	28819	5.00	4.74	
34 Hexane	57	4.369	4.369	0.000	90	6733	0.5000	0.5060	
35 1,1-Dichloroethane	63	4.867	4.856	0.011	96	8192	0.5000	0.4793	

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	4.998	4.998	0.000	97	7904	0.5000	0.5158	
42 2,2-Dichloropropane	97	5.721	5.733	-0.012	87	1123	0.5000	0.4505	
41 cis-1,2-Dichloroethene	96	5.804	5.804	0.000	38	4720	0.5000	0.4671	
40 2-Butanone (MEK)	72	5.899	5.887	0.012	99	2349	1.00	1.06	
46 Chlorobromomethane	49	6.136	6.136	0.000	72	3779	0.5000	0.4731	
47 Tetrahydrofuran	42	6.148	6.148	0.000	92	7597	1.00	1.23	
48 Chloroform	83	6.267	6.267	0.000	94	7997	0.5000	0.4782	
50 Cyclohexane	84	6.350	6.350	0.000	90	6486	0.5000	0.4538	
49 1,1,1-Trichloroethane	97	6.397	6.397	0.000	98	6264	0.5000	0.4523	
52 Carbon tetrachloride	117	6.551	6.563	-0.012	95	5412	0.5000	0.4622	
51 1,1-Dichloropropene	75	6.622	6.623	-0.001	97	6565	0.5000	0.4915	
54 Benzene	78	6.872	6.872	0.000	92	18325	0.5000	0.4798	
53 Isobutyl alcohol	41	6.966	6.967	-0.001	91	7675	12.5	10.6	
55 1,2-Dichloroethane	62	7.014	7.014	0.000	96	7422	0.5000	0.5593	
57 n-Heptane	100	7.144	7.144	0.000	86	951	0.5000	0.3943	
59 Trichloroethene	130	7.666	7.666	0.000	88	4867	0.5000	0.4598	
61 Methylcyclohexane	83	7.773	7.773	0.000	93	6297	0.5000	0.4033	
62 1,2-Dichloropropane	63	7.974	7.975	0.000	88	4522	0.5000	0.4606	
64 Dibromomethane	174	8.117	8.105	0.012	84	1111	0.5000	0.1628	
65 1,4-Dioxane	88	8.129	8.129	0.000	59	2498	10.0	9.61	
66 Dichlorobromomethane	83	8.283	8.283	0.000	98	5743	0.5000	0.4874	
68 2-Chloroethyl vinyl ether	63	8.650	8.650	0.000	88	6500	1.00	0.8317	
69 cis-1,3-Dichloropropene	75	8.781	8.781	0.000	94	6105	0.5000	0.4427	
70 4-Methyl-2-pentanone (MIBK)	43	8.947	8.947	0.000	51	13014	1.00	0.8296	
71 Toluene	91	9.053	9.054	-0.001	99	20214	0.5000	0.4938	
72 trans-1,3-Dichloropropene	75	9.386	9.386	0.000	93	5578	0.5000	0.4574	
73 Ethyl methacrylate	69	9.421	9.421	0.000	90	6064	0.5000	0.4415	
74 1,1,2-Trichloroethane	97	9.552	9.552	0.000	91	4533	0.5000	0.4958	
75 Tetrachloroethene	166	9.575	9.575	0.000	87	4681	0.5000	0.4426	
76 1,3-Dichloropropane	76	9.718	9.706	0.012	88	7508	0.5000	0.4674	
77 2-Hexanone	43	9.777	9.777	0.000	97	10424	1.00	0.8784	
79 Chlorodibromomethane	129	9.895	9.884	0.011	91	3780	0.5000	0.4190	
81 Ethylene Dibromide	107	10.002	10.002	0.000	93	4710	0.5000	0.4847	
83 Chlorobenzene	112	10.417	10.417	0.000	96	12430	0.5000	0.4768	
85 Ethylbenzene	106	10.500	10.500	0.000	98	6561	0.5000	0.4714	
84 1,1,1,2-Tetrachloroethane	131	10.512	10.512	0.000	89	4049	0.5000	0.4741	
86 m-Xylene & p-Xylene	106	10.607	10.607	0.000	98	7891	0.5000	0.4623	
87 o-Xylene	106	10.951	10.951	0.000	96	7566	0.5000	0.4567	
88 Styrene	104	10.975	10.975	0.000	96	12880	0.5000	0.4712	
89 Bromoform	173	11.164	11.164	0.000	95	1870	0.5000	0.2935	
90 Isopropylbenzene	105	11.259	11.259	0.000	95	18671	0.5000	0.4392	
95 Bromobenzene	156	11.556	11.556	0.000	92	5236	0.5000	0.4811	
93 1,1,2,2-Tetrachloroethane	83	11.579	11.580	-0.001	94	7135	0.5000	0.4868	
98 N-Propylbenzene	120	11.603	11.603	0.000	99	5833	0.5000	0.4974	
96 1,2,3-Trichloropropane	110	11.627	11.627	0.000	84	2315	0.5000	0.4680	
97 trans-1,4-Dichloro-2-butene	53	11.639	11.639	0.000	60	1423	0.5000	0.3873	
100 2-Chlorotoluene	126	11.698	11.698	0.000	96	4693	0.5000	0.4585	
101 1,3,5-Trimethylbenzene	105	11.757	11.757	0.000	92	16766	0.5000	0.4680	
102 4-Chlorotoluene	126	11.805	11.805	0.000	98	4339	0.5000	0.4169	
103 tert-Butylbenzene	119	12.018	12.018	0.000	92	13488	0.5000	0.4382	
105 1,2,4-Trimethylbenzene	105	12.066	12.066	0.000	98	15985	0.5000	0.4432	
106 sec-Butylbenzene	105	12.196	12.196	0.000	95	19228	0.5000	0.4349	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 4-Isopropyltoluene	119	12.315	12.315	0.000	96	15556	0.5000	0.4119	
107 1,3-Dichlorobenzene	146	12.326	12.327	-0.001	98	9348	0.5000	0.4579	
109 1,4-Dichlorobenzene	146	12.409	12.410	-0.001	91	9775	0.5000	0.4750	
112 n-Butylbenzene	91	12.647	12.647	0.000	98	14152	0.5000	0.4235	
113 1,2-Dichlorobenzene	146	12.706	12.706	0.000	96	9028	0.5000	0.4603	
114 1,2-Dibromo-3-Chloropropane	157	13.358	13.358	0.000	89	1781	0.5000	0.4527	
116 1,2,4-Trichlorobenzene	180	13.975	13.975	0.000	90	6472	0.5000	0.4887	
117 Hexachlorobutadiene	225	14.058	14.058	0.000	92	2440	0.5000	0.4327	
118 Naphthalene	128	14.176	14.177	-0.001	97	18241	0.5000	0.4378	
119 1,2,3-Trichlorobenzene	180	14.366	14.366	0.000	95	5249	0.5000	0.4242	
S 125 Trihalomethanes, Total	1				0		2.00	1.68	
S 124 Total BTEX	1				0		2.50	2.36	
S 126 1,2-Dichloroethene, Total	96				0			0.9766	
S 127 1,3-Dichloropropene, Total	75				0			0.9001	
S 128 Xylenes, Total	106				0		1.00	0.9190	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

VMRGAS_00492	Amount Added: 0.40	Units: uL	
VMAROLISTDW_00500	Amount Added: 0.40	Units: uL	
VMRPRIMW_00546	Amount Added: 0.40	Units: uL	
vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm25UX18IS_00007	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00026	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00241	Amount Added: 0.00	Units:	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224014.D

Injection Date: 06-Sep-2023 13:11:31

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: IC

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

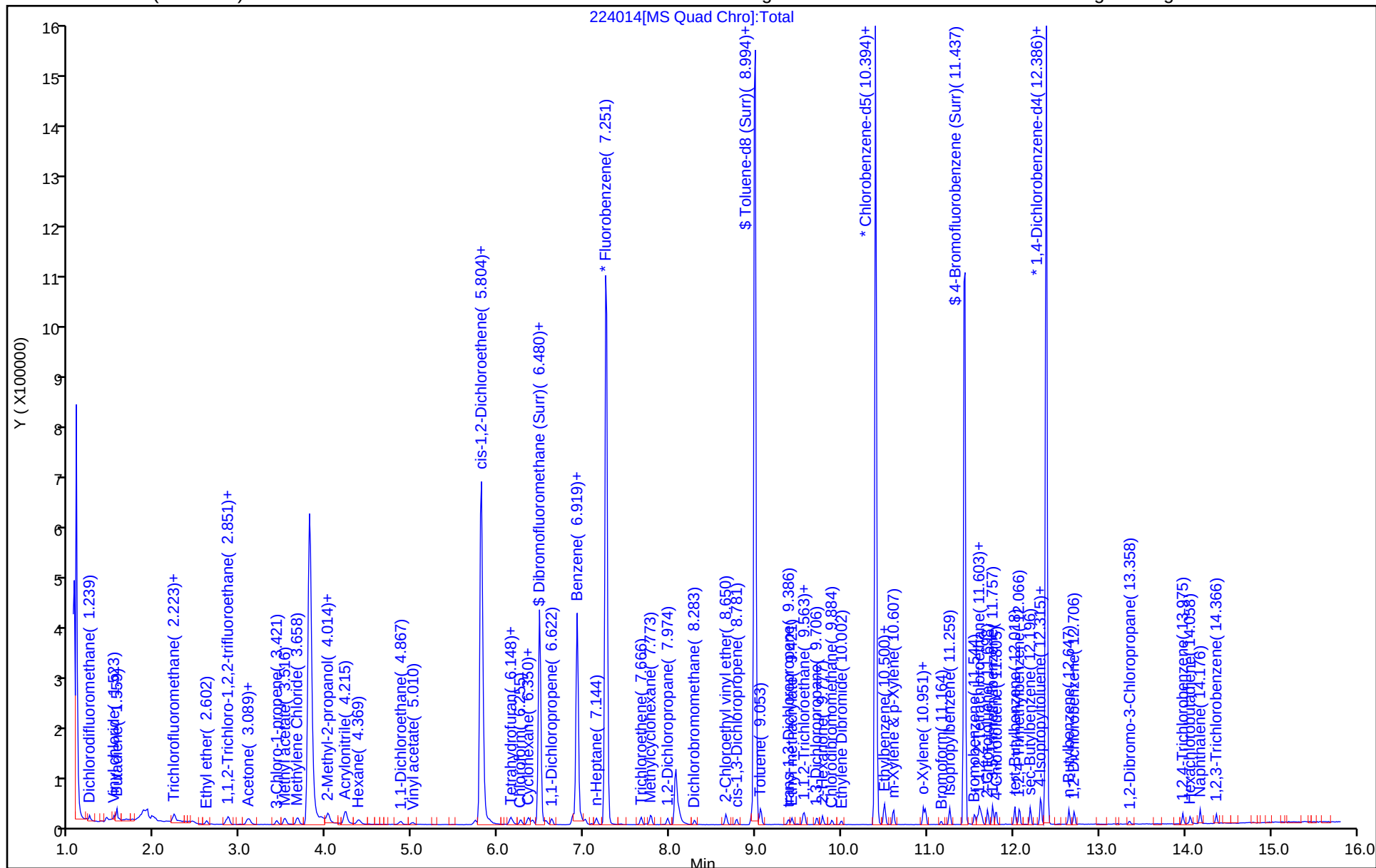
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland

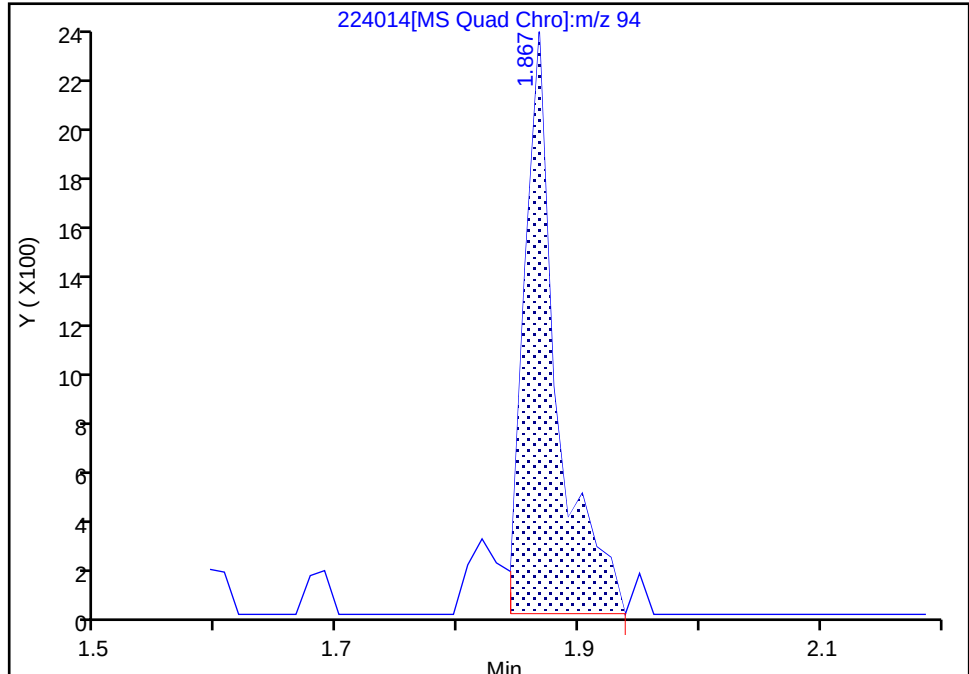
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Injection Date: 06-Sep-2023 13:11:31 Instrument ID: A3UX22
Lims ID: IC
Client ID:
Operator ID: 002808 ALS Bottle#: 0 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260_22 Limit Group: MSV 8260C ICAL
Column: DB-624 (0.18 mm) Detector: MS SCAN

13 Bromomethane, CAS: 74-83-9

Signal: 1

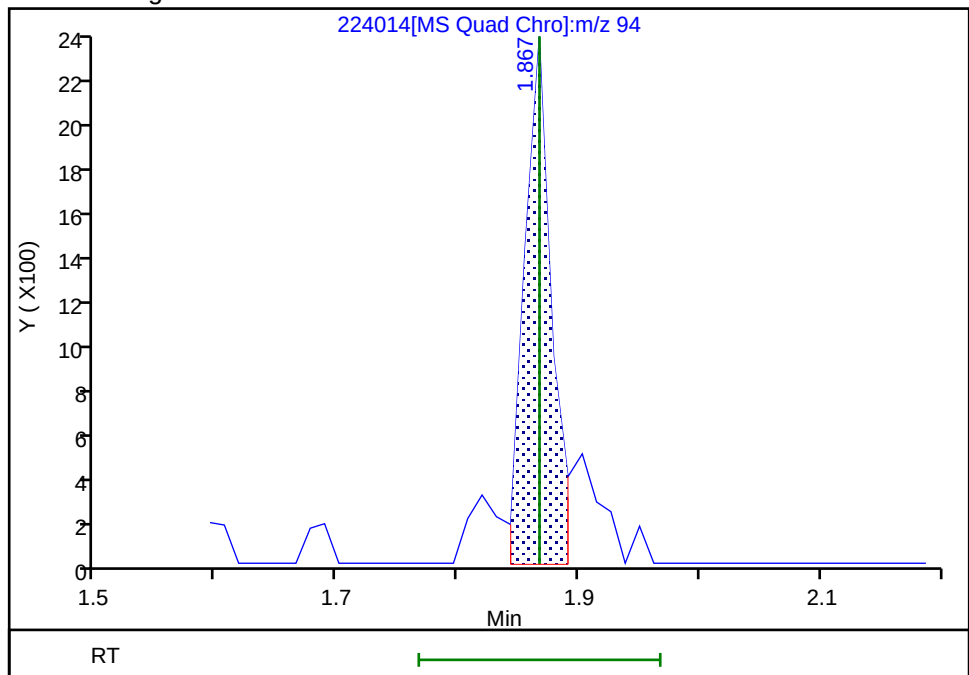
RT: 1.87
Area: 4390
Amount: 0.700773
Amount Units: ug/l

Processing Integration Results



RT: 1.87
Area: 3691
Amount: 0.716123
Amount Units: ug/l

Manual Integration Results



Reviewer: PHN3, 07-Sep-2023 10:40:08 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak

Audit Reason: Poor chromatography

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224015.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 06-Sep-2023 13:35:11 ALS Bottle#: 0 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0133168-004
 Operator ID: 002808 Instrument ID: A3UX22
 Sublist: chrom-8260_22*sub1
 Method: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 07-Sep-2023 14:19:22 Calib Date: 06-Sep-2023 22:20:06
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224037.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 07-Sep-2023 10:45:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.263	7.263	0.000	99	1049917	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.393	10.394	-0.001	86	770053	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	94	415081	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	94	271687	25.0	24.8	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	296964	25.0	25.3	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	94	1023833	25.0	25.0	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.425	11.425	0.000	91	367286	25.0	24.8	
9 Dichlorodifluoromethane	85	1.239	1.239	0.000	98	11037	1.00	0.9327	
10 Chloromethane	50	1.440	1.440	0.000	98	12307	1.00	0.9551	
12 Vinyl chloride	62	1.523	1.535	-0.012	97	10910	1.00	0.9232	
11 Butadiene	54	1.559	1.559	0.000	89	10247	1.00	0.8977	
13 Bromomethane	94	1.867	1.867	0.000	92	5488	1.00	1.07	
15 Chloroethane	64	1.974	1.962	0.012	95	6630	1.00	1.05	
17 Trichlorofluoromethane	101	2.223	2.211	0.012	97	13007	1.00	0.9175	
16 Dichlorofluoromethane	67	2.235	2.235	0.000	95	15926	1.00	0.9735	
18 Ethyl ether	59	2.602	2.603	-0.001	92	6806	1.00	0.8737	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.839	2.828	0.011	91	7847	1.00	0.8857	
19 Acrolein	56	2.851	2.852	-0.001	71	6206	5.00	4.59	
20 1,1-Dichloroethene	96	2.863	2.863	0.000	98	7340	1.00	0.9270	
22 Acetone	43	3.077	3.077	0.000	99	14262	2.00	2.45	
24 Iodomethane	142	3.089	3.077	0.012	84	8537	1.00	0.8160	
25 Carbon disulfide	76	3.112	3.101	0.011	98	20682	1.00	0.9000	
27 3-Chloro-1-propene	41	3.421	3.421	0.000	90	12371	1.00	0.9059	
28 Methyl acetate	43	3.515	3.504	0.011	99	33926	2.00	2.40	
29 Methylene Chloride	84	3.670	3.658	0.012	90	13034	1.00	0.9527	
30 2-Methyl-2-propanol	59	3.954	3.954	0.000	94	21626	10.0	8.96	
33 Methyl tert-butyl ether	73	4.013	4.014	-0.001	93	24051	1.00	0.8650	
32 trans-1,2-Dichloroethene	96	4.013	4.014	-0.001	70	8282	1.00	0.8962	
31 Acrylonitrile	53	4.215	4.227	-0.012	98	53824	10.0	8.86	
34 Hexane	57	4.381	4.369	0.012	93	11883	1.00	0.8947	
35 1,1-Dichloroethane	63	4.855	4.856	-0.001	96	14431	1.00	0.8459	

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	4.998	4.998	0.000	98	12924	1.00	0.8449	
42 2,2-Dichloropropane	97	5.733	5.733	0.000	92	2265	1.00	0.9103	
41 cis-1,2-Dichloroethene	96	5.804	5.804	0.000	38	8230	1.00	0.8159	
40 2-Butanone (MEK)	72	5.899	5.887	0.012	100	3858	2.00	1.75	
46 Chlorobromomethane	49	6.136	6.136	0.000	95	7243	1.00	0.9084	
47 Tetrahydrofuran	42	6.160	6.148	0.012	92	12243	2.00	1.98	
48 Chloroform	83	6.267	6.267	0.000	94	15006	1.00	0.8990	
50 Cyclohexane	84	6.362	6.350	0.012	90	12568	1.00	0.8810	
49 1,1,1-Trichloroethane	97	6.409	6.397	0.012	97	12267	1.00	0.8875	
52 Carbon tetrachloride	117	6.551	6.563	-0.012	97	9491	1.00	0.8121	
51 1,1-Dichloropropene	75	6.622	6.623	-0.001	96	11294	1.00	0.8472	
54 Benzene	78	6.871	6.872	-0.001	93	34039	1.00	0.8929	
53 Isobutyl alcohol	41	6.966	6.967	-0.001	94	13657	25.0	18.9	
55 1,2-Dichloroethane	62	7.014	7.014	0.000	96	12575	1.00	0.9493	
57 n-Heptane	100	7.144	7.144	0.000	91	1780	1.00	0.7394	
59 Trichloroethene	130	7.666	7.666	0.000	97	9478	1.00	0.8972	
61 Methylcyclohexane	83	7.773	7.773	0.000	92	13254	1.00	0.8505	
62 1,2-Dichloropropane	63	7.974	7.975	0.000	95	8745	1.00	0.8924	
64 Dibromomethane	174	8.105	8.105	0.000	90	5732	1.00	0.8418	
65 1,4-Dioxane	88	8.128	8.129	-0.001	51	3943	20.0	15.2	
66 Dichlorobromomethane	83	8.294	8.283	0.011	99	10156	1.00	0.8636	
68 2-Chloroethyl vinyl ether	63	8.650	8.650	0.000	94	12823	2.00	1.64	
69 cis-1,3-Dichloropropene	75	8.781	8.781	0.000	95	11096	1.00	0.8061	
70 4-Methyl-2-pentanone (MIBK)	43	8.947	8.947	0.000	94	30158	2.00	1.93	
71 Toluene	91	9.053	9.054	-0.001	98	35492	1.00	0.8822	
72 trans-1,3-Dichloropropene	75	9.385	9.386	-0.001	92	9301	1.00	0.7761	
73 Ethyl methacrylate	69	9.421	9.421	0.000	89	10732	1.00	0.7951	
74 1,1,2-Trichloroethane	97	9.551	9.552	-0.001	91	7723	1.00	0.8596	
75 Tetrachloroethene	166	9.575	9.575	0.000	96	9763	1.00	0.9394	
76 1,3-Dichloropropane	76	9.718	9.706	0.012	90	13412	1.00	0.8497	
77 2-Hexanone	43	9.777	9.777	0.000	97	18852	2.00	1.62	
79 Chlorodibromomethane	129	9.884	9.884	0.000	88	7647	1.00	0.8626	
81 Ethylene Dibromide	107	10.002	10.002	0.000	97	8215	1.00	0.8603	
83 Chlorobenzene	112	10.417	10.417	0.000	97	22635	1.00	0.8836	
85 Ethylbenzene	106	10.500	10.500	0.000	98	11740	1.00	0.8584	
84 1,1,1,2-Tetrachloroethane	131	10.512	10.512	0.000	93	6757	1.00	0.8052	
86 m-Xylene & p-Xylene	106	10.607	10.607	0.000	99	14073	1.00	0.8390	
87 o-Xylene	106	10.951	10.951	0.000	97	13965	1.00	0.8579	
88 Styrene	104	10.975	10.975	0.000	95	21935	1.00	0.8166	
89 Bromoform	173	11.164	11.164	0.000	96	5285	1.00	0.8440	
90 Isopropylbenzene	105	11.259	11.259	0.000	95	35614	1.00	0.8526	
95 Bromobenzene	156	11.556	11.556	0.000	92	9013	1.00	0.8411	
93 1,1,2,2-Tetrachloroethane	83	11.579	11.580	-0.001	95	13090	1.00	0.9071	
98 N-Propylbenzene	120	11.603	11.603	0.000	100	8926	1.00	0.7731	
96 1,2,3-Trichloropropane	110	11.627	11.627	0.000	87	4474	1.00	0.9186	
97 trans-1,4-Dichloro-2-butene	53	11.639	11.639	0.000	66	2943	1.00	0.8135	
100 2-Chlorotoluene	126	11.698	11.698	0.000	96	8408	1.00	0.8343	
101 1,3,5-Trimethylbenzene	105	11.757	11.757	0.000	93	30234	1.00	0.8571	
102 4-Chlorotoluene	126	11.805	11.805	0.000	97	8329	1.00	0.8128	
103 tert-Butylbenzene	119	12.018	12.018	0.000	93	24720	1.00	0.8156	
105 1,2,4-Trimethylbenzene	105	12.066	12.066	0.000	97	27519	1.00	0.7749	
106 sec-Butylbenzene	105	12.196	12.196	0.000	94	35525	1.00	0.8161	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 4-Isopropyltoluene	119	12.315	12.315	0.000	97	30381	1.00	0.8170	
107 1,3-Dichlorobenzene	146	12.326	12.327	-0.001	98	18219	1.00	0.9064	
109 1,4-Dichlorobenzene	146	12.409	12.410	-0.001	95	17314	1.00	0.8545	
112 n-Butylbenzene	91	12.647	12.647	0.000	97	27150	1.00	0.8252	
113 1,2-Dichlorobenzene	146	12.706	12.706	0.000	97	17603	1.00	0.9116	
114 1,2-Dibromo-3-Chloropropane	157	13.358	13.358	0.000	87	3086	1.00	0.7967	
116 1,2,4-Trichlorobenzene	180	13.975	13.975	0.000	93	11187	1.00	0.8580	
117 Hexachlorobutadiene	225	14.058	14.058	0.000	96	5348	1.00	0.9632	
118 Naphthalene	128	14.176	14.177	-0.001	97	31874	1.00	0.7770	
119 1,2,3-Trichlorobenzene	180	14.366	14.366	0.000	95	9826	1.00	0.8066	
S 125 Trihalomethanes, Total	1				0		4.00	3.47	
S 124 Total BTEX	1				0		5.00	4.33	
S 126 1,2-Dichloroethene, Total	96				0			1.71	
S 127 1,3-Dichloropropene, Total	75				0			1.58	
S 128 Xylenes, Total	106				0		2.00	1.70	

QC Flag Legend

Processing Flags

Reagents:

VMAROLISTDW_00500	Amount Added: 0.80	Units: uL	
VMRGAS_00492	Amount Added: 0.80	Units: uL	
VMRPRIMW_00546	Amount Added: 0.80	Units: uL	
vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm25UX18IS_00007	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00026	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00241	Amount Added: 0.00	Units:	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224015.D

Injection Date: 06-Sep-2023 13:35:11

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: IC

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

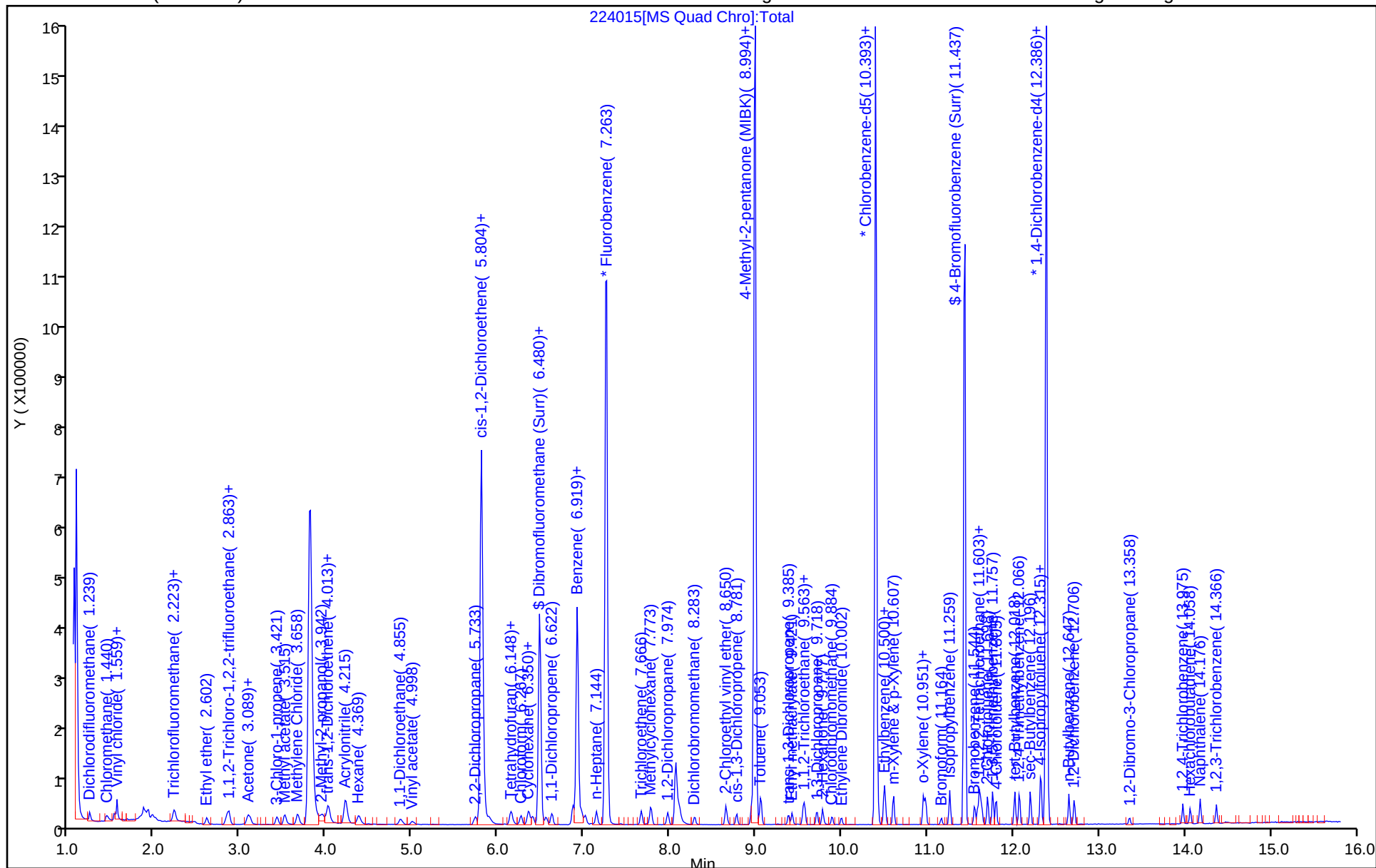
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224016.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 06-Sep-2023 13:58:58 ALS Bottle#: 0 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0133168-005
 Operator ID: 002808 Instrument ID: A3UX22
 Sublist: chrom-8260_22*sub1
 Method: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 07-Sep-2023 14:19:36 Calib Date: 06-Sep-2023 22:20:06
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224037.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 07-Sep-2023 10:48:53

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.251	7.263	-0.012	99	1064862	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.394	0.000	90	778178	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	94	422615	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	282299	25.0	25.4	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	302702	25.0	25.5	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	94	1043229	25.0	25.2	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.425	11.425	0.000	94	373494	25.0	25.0	
9 Dichlorodifluoromethane	85	1.239	1.239	0.000	99	26497	2.50	2.21	
10 Chloromethane	50	1.429	1.440	-0.011	99	31082	2.50	2.38	
12 Vinyl chloride	62	1.523	1.535	-0.012	97	27350	2.50	2.28	
11 Butadiene	54	1.559	1.559	0.000	91	26372	2.50	2.28	
13 Bromomethane	94	1.867	1.867	0.000	91	11528	2.50	2.21	
15 Chloroethane	64	1.962	1.962	0.000	99	15796	2.50	2.48	
17 Trichlorofluoromethane	101	2.211	2.211	0.000	97	33167	2.50	2.31	
16 Dichlorofluoromethane	67	2.235	2.235	0.000	97	38657	2.50	2.33	
18 Ethyl ether	59	2.603	2.603	0.000	93	20218	2.50	2.56	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	2.828	2.828	0.000	93	22876	2.50	2.55	
19 Acrolein	56	2.852	2.852	0.000	93	16455	12.5	12.0	
20 1,1-Dichloroethene	96	2.863	2.863	0.000	98	20730	2.50	2.58	
22 Acetone	43	3.077	3.077	0.000	98	33643	5.00	5.69	
24 Iodomethane	142	3.077	3.077	0.000	75	21862	2.50	2.06	
25 Carbon disulfide	76	3.101	3.101	0.000	100	59095	2.50	2.54	
27 3-Chloro-1-propene	41	3.421	3.421	0.000	91	34973	2.50	2.53	
28 Methyl acetate	43	3.504	3.504	0.000	98	76233	5.00	5.31	
29 Methylene Chloride	84	3.658	3.658	0.000	94	30310	2.50	2.70	
30 2-Methyl-2-propanol	59	3.943	3.954	-0.011	98	58902	25.0	24.0	
33 Methyl tert-butyl ether	73	4.014	4.014	0.000	93	71676	2.50	2.54	
32 trans-1,2-Dichloroethene	96	4.014	4.014	0.000	71	24338	2.50	2.60	
31 Acrylonitrile	53	4.215	4.227	-0.012	99	159436	25.0	25.9	
34 Hexane	57	4.370	4.369	0.001	94	32599	2.50	2.42	
35 1,1-Dichloroethane	63	4.856	4.856	0.000	96	45020	2.50	2.60	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 Vinyl acetate	43	4.998	4.998	0.000	97	36508	2.50	2.35	
42 2,2-Dichloropropane	97	5.733	5.733	0.000	90	6537	2.50	2.59	
41 cis-1,2-Dichloroethene	96	5.804	5.804	0.000	39	26034	2.50	2.54	
40 2-Butanone (MEK)	72	5.899	5.887	0.012	100	10923	5.00	4.87	
46 Chlorobromomethane	49	6.136	6.136	0.000	94	21736	2.50	2.69	
47 Tetrahydrofuran	42	6.148	6.148	0.000	88	30522	5.00	4.88	
48 Chloroform	83	6.267	6.267	0.000	94	43997	2.50	2.60	
50 Cyclohexane	84	6.362	6.350	0.012	91	37271	2.50	2.58	
49 1,1,1-Trichloroethane	97	6.397	6.397	0.000	98	35064	2.50	2.50	
52 Carbon tetrachloride	117	6.551	6.563	-0.012	97	29565	2.50	2.49	
51 1,1-Dichloropropene	75	6.623	6.623	0.000	95	34509	2.50	2.55	
54 Benzene	78	6.872	6.872	0.000	94	100419	2.50	2.60	
53 Isobutyl alcohol	41	6.967	6.967	0.000	94	43981	62.5	60.1	
55 1,2-Dichloroethane	62	7.014	7.014	0.000	96	32724	2.50	2.44	
57 n-Heptane	100	7.144	7.144	0.000	93	6666	2.50	2.73	
59 Trichloroethene	130	7.666	7.666	0.000	96	28491	2.50	2.66	
61 Methylcyclohexane	83	7.773	7.773	0.000	89	39993	2.50	2.53	
62 1,2-Dichloropropane	63	7.975	7.975	0.001	95	26013	2.50	2.62	
64 Dibromomethane	174	8.117	8.105	0.012	96	17355	2.50	2.51	
65 1,4-Dioxane	88	8.129	8.129	0.000	93	13332	50.0	50.7	
66 Dichlorobromomethane	83	8.283	8.283	0.000	99	29286	2.50	2.46	
68 2-Chloroethyl vinyl ether	63	8.650	8.650	0.000	91	39420	5.00	4.98	
69 cis-1,3-Dichloropropene	75	8.781	8.781	0.000	95	33597	2.50	2.41	
70 4-Methyl-2-pentanone (MIBK)	43	8.947	8.947	0.000	96	80128	5.00	5.05	
71 Toluene	91	9.054	9.054	0.000	98	105796	2.50	2.60	
72 trans-1,3-Dichloropropene	75	9.386	9.386	0.000	92	27949	2.50	2.31	
73 Ethyl methacrylate	69	9.421	9.421	0.000	90	32080	2.50	2.35	
74 1,1,2-Trichloroethane	97	9.552	9.552	0.000	93	23923	2.50	2.64	
75 Tetrachloroethene	166	9.575	9.575	0.000	97	26698	2.50	2.54	
76 1,3-Dichloropropane	76	9.718	9.706	0.012	92	39807	2.50	2.50	
77 2-Hexanone	43	9.777	9.777	0.000	96	58007	5.00	4.92	
79 Chlorodibromomethane	129	9.896	9.884	0.012	89	22345	2.50	2.49	
81 Ethylene Dibromide	107	10.002	10.002	0.000	98	23582	2.50	2.44	
83 Chlorobenzene	112	10.417	10.417	0.000	96	67007	2.50	2.59	
85 Ethylbenzene	106	10.500	10.500	0.000	98	35483	2.50	2.57	
84 1,1,1,2-Tetrachloroethane	131	10.512	10.512	0.000	92	20129	2.50	2.37	
86 m-Xylene & p-Xylene	106	10.607	10.607	0.000	99	43168	2.50	2.55	
87 o-Xylene	106	10.951	10.951	0.000	98	41021	2.50	2.49	
88 Styrene	104	10.975	10.975	0.000	95	65959	2.50	2.43	
89 Bromoform	173	11.165	11.164	0.000	98	15466	2.50	2.44	
90 Isopropylbenzene	105	11.259	11.259	0.000	96	108420	2.50	2.57	
95 Bromobenzene	156	11.556	11.556	0.000	93	28425	2.50	2.61	
93 1,1,2,2-Tetrachloroethane	83	11.580	11.580	0.000	95	37732	2.50	2.57	
98 N-Propylbenzene	120	11.603	11.603	0.000	99	28044	2.50	2.39	
96 1,2,3-Trichloropropane	110	11.627	11.627	0.000	87	13119	2.50	2.65	
97 trans-1,4-Dichloro-2-butene	53	11.639	11.639	0.000	69	9326	2.50	2.53	
100 2-Chlorotoluene	126	11.698	11.698	0.000	97	27399	2.50	2.67	
101 1,3,5-Trimethylbenzene	105	11.757	11.757	0.000	94	89636	2.50	2.50	
102 4-Chlorotoluene	126	11.805	11.805	0.000	97	26794	2.50	2.57	
103 tert-Butylbenzene	119	12.018	12.018	0.000	92	79482	2.50	2.58	
105 1,2,4-Trimethylbenzene	105	12.066	12.066	0.000	97	91986	2.50	2.54	
106 sec-Butylbenzene	105	12.196	12.196	0.000	94	109770	2.50	2.48	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 4-Isopropyltoluene	119	12.315	12.315	0.000	97	92641	2.50	2.45	
107 1,3-Dichlorobenzene	146	12.327	12.327	0.000	98	52555	2.50	2.57	
109 1,4-Dichlorobenzene	146	12.410	12.410	0.000	95	54176	2.50	2.63	
112 n-Butylbenzene	91	12.647	12.647	0.000	98	82964	2.50	2.48	
113 1,2-Dichlorobenzene	146	12.706	12.706	0.000	97	49727	2.50	2.53	
114 1,2-Dibromo-3-Chloropropane	157	13.358	13.358	0.000	86	9757	2.50	2.47	
116 1,2,4-Trichlorobenzene	180	13.975	13.975	0.000	94	32480	2.50	2.45	
117 Hexachlorobutadiene	225	14.058	14.058	0.000	97	14917	2.50	2.64	
118 Naphthalene	128	14.177	14.177	0.000	97	98147	2.50	2.35	
119 1,2,3-Trichlorobenzene	180	14.366	14.366	0.000	94	30661	2.50	2.47	
S 125 Trihalomethanes, Total	1				0		10.0	10.0	
S 124 Total BTEX	1				0		12.5	12.8	
S 126 1,2-Dichloroethene, Total	96				0			5.14	
S 127 1,3-Dichloropropene, Total	75				0			4.71	
S 128 Xylenes, Total	106				0		5.00	5.04	

QC Flag Legend

Processing Flags

Reagents:

VMRPRIMW_00546	Amount Added: 2.00	Units: uL	
VMAROLISTDW_00500	Amount Added: 2.00	Units: uL	
VMRGAS_00492	Amount Added: 2.00	Units: uL	
vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm25UX18IS_00007	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00026	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00241	Amount Added: 0.00	Units:	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224016.D

Injection Date: 06-Sep-2023 13:58:58

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: IC

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

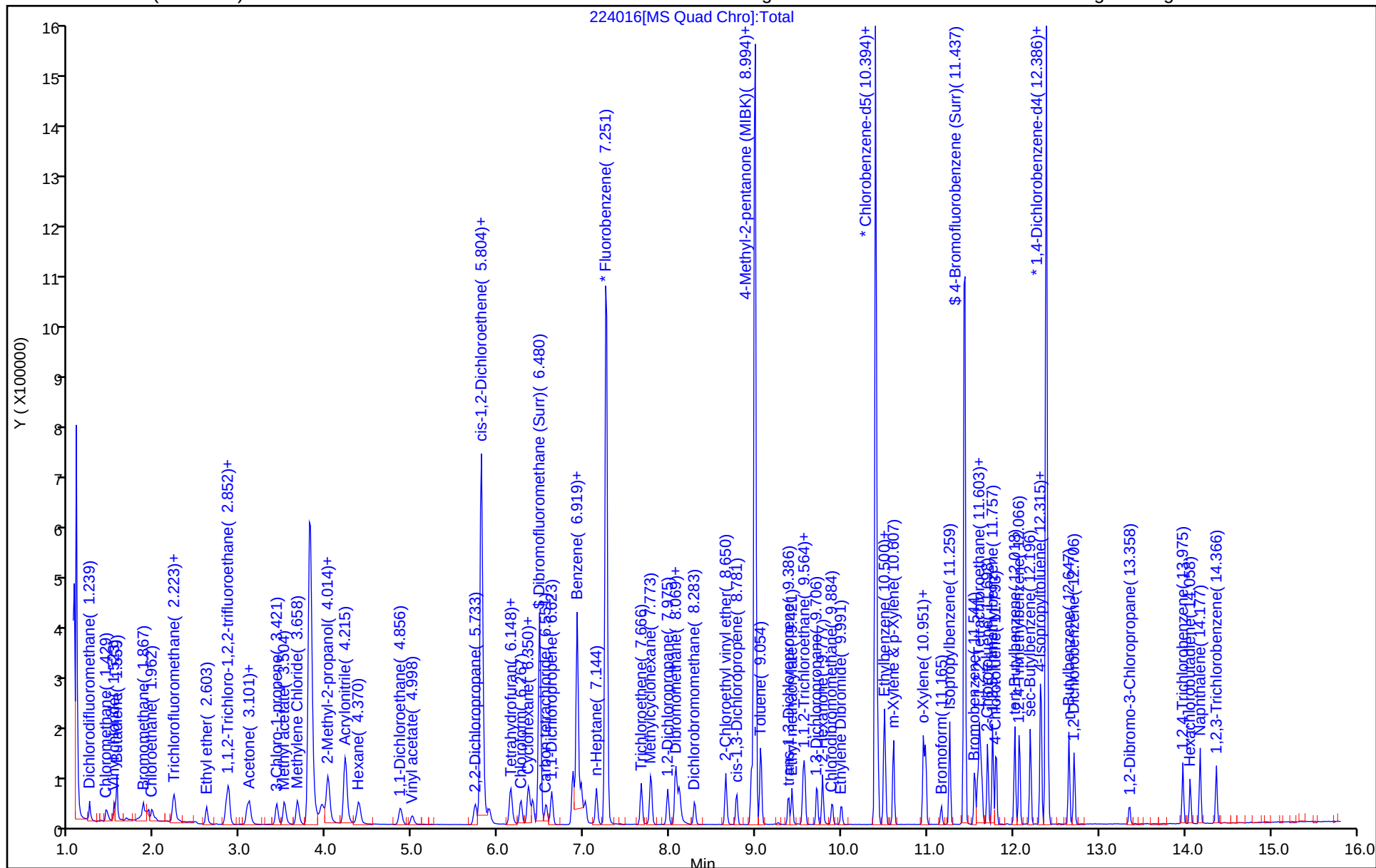
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224017.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 06-Sep-2023 14:22:43 ALS Bottle#: 0 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0133168-006
 Operator ID: 002808 Instrument ID: A3UX22
 Sublist: chrom-8260_22*sub1
 Method: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 07-Sep-2023 14:19:50 Calib Date: 06-Sep-2023 22:20:06
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224037.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 07-Sep-2023 10:53:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.263	7.263	0.000	99	1073762	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.394	0.000	88	791579	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	94	433163	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	279912	25.0	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	297699	25.0	24.8	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	94	1053690	25.0	25.1	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.425	11.425	0.000	91	383808	25.0	25.2	
9 Dichlorodifluoromethane	85	1.239	1.239	0.000	99	79475	6.25	6.57	
10 Chloromethane	50	1.440	1.440	0.000	99	82560	6.25	6.26	
12 Vinyl chloride	62	1.523	1.535	-0.012	97	79822	6.25	6.60	
11 Butadiene	54	1.559	1.559	0.000	92	77426	6.25	6.63	
13 Bromomethane	94	1.867	1.867	0.000	91	30550	6.25	5.81	
15 Chloroethane	64	1.962	1.962	0.000	99	45226	6.25	7.03	
17 Trichlorofluoromethane	101	2.211	2.211	0.000	97	95113	6.25	6.56	
16 Dichlorofluoromethane	67	2.235	2.235	0.000	97	107176	6.25	6.41	
18 Ethyl ether	59	2.603	2.603	0.000	92	48188	6.25	6.05	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	2.828	2.828	0.000	94	57687	6.25	6.37	
19 Acrolein	56	2.852	2.852	0.000	99	43486	31.3	31.5	
20 1,1-Dichloroethene	96	2.863	2.863	0.000	97	50211	6.25	6.20	
22 Acetone	43	3.077	3.077	0.000	100	66744	12.5	11.2	
24 Iodomethane	142	3.077	3.077	0.000	93	58451	6.25	5.46	
25 Carbon disulfide	76	3.101	3.101	0.000	100	140891	6.25	6.00	
27 3-Chloro-1-propene	41	3.421	3.421	0.000	92	85736	6.25	6.14	
28 Methyl acetate	43	3.504	3.504	0.000	98	168124	12.5	11.6	
29 Methylene Chloride	84	3.670	3.658	0.012	94	63893	6.25	6.07	
30 2-Methyl-2-propanol	59	3.954	3.954	0.000	98	145864	62.5	59.1	
33 Methyl tert-butyl ether	73	4.014	4.014	0.000	92	173881	6.25	6.11	
32 trans-1,2-Dichloroethene	96	4.014	4.014	0.000	69	57116	6.25	6.04	
31 Acrylonitrile	53	4.215	4.227	-0.012	99	379696	62.5	61.1	
34 Hexane	57	4.369	4.369	0.000	94	82258	6.25	6.06	
35 1,1-Dichloroethane	63	4.856	4.856	0.000	96	107633	6.25	6.17	

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	4.998	4.998	0.000	98	98000	6.25	6.26	
42 2,2-Dichloropropane	97	5.733	5.733	0.000	93	15345	6.25	6.03	
41 cis-1,2-Dichloroethene	96	5.804	5.804	0.000	42	65416	6.25	6.34	
40 2-Butanone (MEK)	72	5.899	5.887	0.012	100	26714	12.5	11.8	
46 Chlorobromomethane	49	6.136	6.136	0.000	97	50815	6.25	6.23	
47 Tetrahydrofuran	42	6.148	6.148	0.000	90	73973	12.5	11.7	
48 Chloroform	83	6.267	6.267	0.000	93	104258	6.25	6.11	
50 Cyclohexane	84	6.350	6.350	0.000	91	91197	6.25	6.25	
49 1,1,1-Trichloroethane	97	6.397	6.397	0.000	99	86886	6.25	6.15	
52 Carbon tetrachloride	117	6.563	6.563	0.000	96	73051	6.25	6.11	
51 1,1-Dichloropropene	75	6.623	6.623	0.000	97	83302	6.25	6.11	
54 Benzene	78	6.872	6.872	0.000	95	240254	6.25	6.16	
53 Isobutyl alcohol	41	6.967	6.967	-0.001	94	107389	156.3	145.5	
55 1,2-Dichloroethane	62	7.014	7.014	0.000	97	82494	6.25	6.09	
57 n-Heptane	100	7.144	7.144	0.000	93	14833	6.25	6.02	
59 Trichloroethene	130	7.666	7.666	0.000	97	66262	6.25	6.13	
61 Methylcyclohexane	83	7.773	7.773	0.000	91	100713	6.25	6.32	
62 1,2-Dichloropropane	63	7.974	7.975	0.000	95	60671	6.25	6.05	
64 Dibromomethane	174	8.105	8.105	0.000	95	43522	6.25	6.25	
65 1,4-Dioxane	88	8.129	8.129	0.000	92	33280	125.0	125.4	
66 Dichlorobromomethane	83	8.283	8.283	0.000	99	71457	6.25	5.94	
68 2-Chloroethyl vinyl ether	63	8.650	8.650	0.000	92	96562	12.5	12.1	
69 cis-1,3-Dichloropropene	75	8.781	8.781	0.000	95	84199	6.25	5.98	
70 4-Methyl-2-pentanone (MIBK)	43	8.947	8.947	0.000	96	193492	12.5	12.1	
71 Toluene	91	9.054	9.054	0.000	97	259546	6.25	6.28	
72 trans-1,3-Dichloropropene	75	9.386	9.386	0.000	92	72258	6.25	5.87	
73 Ethyl methacrylate	69	9.421	9.421	0.000	89	82957	6.25	5.98	
74 1,1,2-Trichloroethane	97	9.552	9.552	0.000	93	56764	6.25	6.15	
75 Tetrachloroethene	166	9.575	9.575	0.000	98	66706	6.25	6.24	
76 1,3-Dichloropropane	76	9.718	9.706	0.012	91	100812	6.25	6.21	
77 2-Hexanone	43	9.777	9.777	0.000	97	149951	12.5	12.5	
79 Chlorodibromomethane	129	9.884	9.884	0.000	91	54486	6.25	5.98	
81 Ethylene Dibromide	107	10.002	10.002	0.000	98	59663	6.25	6.08	
83 Chlorobenzene	112	10.417	10.417	0.000	95	163369	6.25	6.20	
85 Ethylbenzene	106	10.500	10.500	0.000	98	85823	6.25	6.10	
84 1,1,1,2-Tetrachloroethane	131	10.512	10.512	0.000	94	51964	6.25	6.02	
86 m-Xylene & p-Xylene	106	10.607	10.607	0.000	99	106812	6.25	6.19	
87 o-Xylene	106	10.951	10.951	0.000	98	101524	6.25	6.07	
88 Styrene	104	10.975	10.975	0.000	95	167339	6.25	6.06	
89 Bromoform	173	11.164	11.164	0.000	98	37740	6.25	5.86	
90 Isopropylbenzene	105	11.259	11.259	0.000	96	263381	6.25	6.13	
95 Bromobenzene	156	11.556	11.556	0.000	93	67180	6.25	6.01	
93 1,1,2,2-Tetrachloroethane	83	11.580	11.580	0.000	95	90826	6.25	6.03	
98 N-Propylbenzene	120	11.603	11.603	0.000	99	74810	6.25	6.21	
96 1,2,3-Trichloropropane	110	11.627	11.627	0.000	87	30415	6.25	5.98	
97 trans-1,4-Dichloro-2-butene	53	11.639	11.639	0.000	75	21823	6.25	5.78	
100 2-Chlorotoluene	126	11.698	11.698	0.000	96	65445	6.25	6.22	
101 1,3,5-Trimethylbenzene	105	11.757	11.757	0.000	94	222265	6.25	6.04	
102 4-Chlorotoluene	126	11.805	11.805	0.000	97	68235	6.25	6.38	
103 tert-Butylbenzene	119	12.018	12.018	0.000	93	194290	6.25	6.14	
105 1,2,4-Trimethylbenzene	105	12.066	12.066	0.000	97	224210	6.25	6.05	
106 sec-Butylbenzene	105	12.196	12.196	0.000	95	281378	6.25	6.19	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 4-Isopropyltoluene	119	12.315	12.315	0.000	97	238143	6.25	6.14	
107 1,3-Dichlorobenzene	146	12.327	12.327	0.000	98	127130	6.25	6.06	
109 1,4-Dichlorobenzene	146	12.410	12.410	0.000	95	127906	6.25	6.05	
112 n-Butylbenzene	91	12.647	12.647	0.000	98	204529	6.25	5.96	
113 1,2-Dichlorobenzene	146	12.706	12.706	0.000	96	124159	6.25	6.16	
114 1,2-Dibromo-3-Chloropropane	157	13.358	13.358	0.000	87	22874	6.25	5.66	
116 1,2,4-Trichlorobenzene	180	13.975	13.975	0.000	92	81362	6.25	5.98	
117 Hexachlorobutadiene	225	14.058	14.058	0.000	97	35843	6.25	6.19	
118 Naphthalene	128	14.177	14.177	0.000	97	253249	6.25	5.92	
119 1,2,3-Trichlorobenzene	180	14.366	14.366	0.000	95	77689	6.25	6.11	
S 125 Trihalomethanes, Total	1				0		25.0	23.9	
S 124 Total BTEX	1				0		31.3	30.8	
S 126 1,2-Dichloroethene, Total	96				0			12.4	
S 127 1,3-Dichloropropene, Total	75				0			11.8	
S 128 Xylenes, Total	106				0		12.5	12.3	

QC Flag Legend

Processing Flags

Reagents:

VMRGAS_00492	Amount Added: 5.00	Units: uL	
VMAROLISTDW_00500	Amount Added: 5.00	Units: uL	
VMRPRIMW_00546	Amount Added: 5.00	Units: uL	
vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm25UX18IS_00007	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00026	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00241	Amount Added: 0.00	Units:	Run Reagent

Report Date: 07-Sep-2023 14:19:51

Chrom Revision: 2.3 21-Aug-2023 17:14:06

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224017.D

Injection Date: 06-Sep-2023 14:22:43

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: IC

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

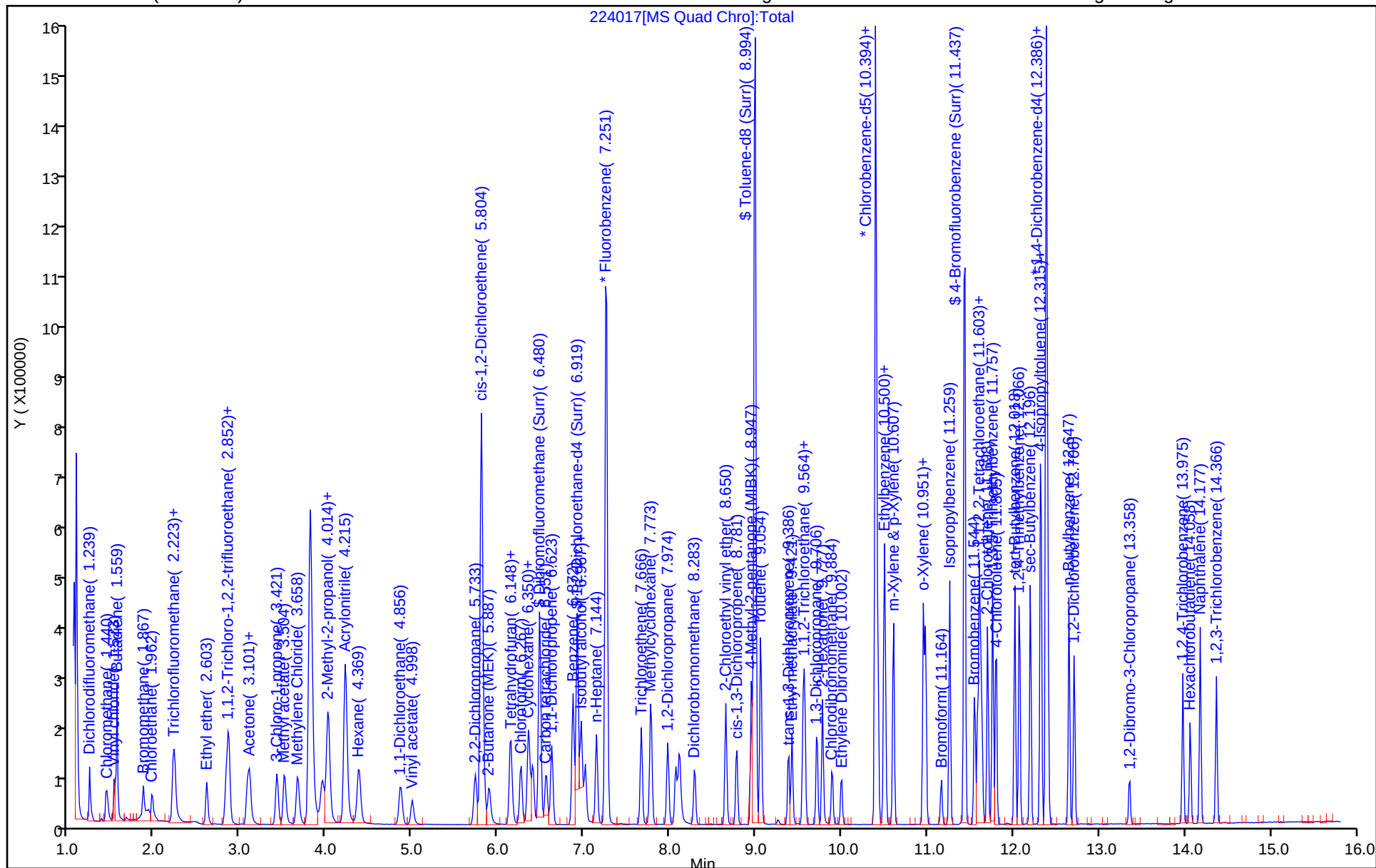
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224018.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 06-Sep-2023 14:46:34 ALS Bottle#: 0 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0133168-007
 Operator ID: 002808 Instrument ID: A3UX22
 Sublist: chrom-8260_22*sub1
 Method: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 07-Sep-2023 14:20:04 Calib Date: 06-Sep-2023 22:20:06
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224037.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 07-Sep-2023 10:55:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.263	7.263	0.000	99	1059322	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.393	10.394	-0.001	86	779837	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	94	426632	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	275059	25.0	24.9	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	294589	25.0	24.9	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	94	1039664	25.0	25.1	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.425	11.425	0.000	91	379049	25.0	25.3	
9 Dichlorodifluoromethane	85	1.239	1.239	0.000	99	162355	12.5	13.6	
10 Chloromethane	50	1.428	1.440	-0.012	99	166520	12.5	12.8	
12 Vinyl chloride	62	1.523	1.535	-0.012	97	154370	12.5	12.9	
11 Butadiene	54	1.559	1.559	0.000	92	155216	12.5	13.5	
13 Bromomethane	94	1.867	1.867	0.000	91	58516	12.5	11.3	
15 Chloroethane	64	1.962	1.962	0.000	100	87313	12.5	13.8	
17 Trichlorofluoromethane	101	2.211	2.211	0.000	100	192054	12.5	13.4	
16 Dichlorofluoromethane	67	2.235	2.235	0.000	97	211985	12.5	12.8	
18 Ethyl ether	59	2.602	2.603	-0.001	92	101817	12.5	13.0	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	2.840	2.828	0.012	93	116850	12.5	13.1	
19 Acrolein	56	2.851	2.852	-0.001	99	84896	62.5	62.3	
20 1,1-Dichloroethene	96	2.863	2.863	0.000	98	104112	12.5	13.0	
22 Acetone	43	3.077	3.077	0.000	100	140860	25.0	23.9	
24 Iodomethane	142	3.077	3.077	0.000	94	131414	12.5	12.5	
25 Carbon disulfide	76	3.100	3.101	-0.001	100	295462	12.5	12.7	
27 3-Chloro-1-propene	41	3.421	3.421	0.000	92	179240	12.5	13.0	
28 Methyl acetate	43	3.504	3.504	0.000	98	343765	25.0	24.1	
29 Methylene Chloride	84	3.658	3.658	0.000	93	129329	12.5	12.9	
30 2-Methyl-2-propanol	59	3.954	3.954	0.000	98	299226	125.0	122.8	
33 Methyl tert-butyl ether	73	4.014	4.014	0.000	92	362437	12.5	12.9	
32 trans-1,2-Dichloroethene	96	4.025	4.014	0.011	70	120792	12.5	13.0	
31 Acrylonitrile	53	4.215	4.227	-0.012	98	783337	125.0	127.8	
34 Hexane	57	4.381	4.369	0.012	93	173945	12.5	13.0	
35 1,1-Dichloroethane	63	4.867	4.856	0.011	96	225209	12.5	13.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 Vinyl acetate	43	4.998	4.998	0.000	97	206325	12.5	13.4	
42 2,2-Dichloropropane	97	5.733	5.733	0.000	92	31221	12.5	12.4	
41 cis-1,2-Dichloroethene	96	5.804	5.804	0.000	80	134978	12.5	13.3	
40 2-Butanone (MEK)	72	5.899	5.887	0.012	100	55831	25.0	25.0	
46 Chlorobromomethane	49	6.136	6.136	0.000	97	104554	12.5	13.0	
47 Tetrahydrofuran	42	6.148	6.148	0.000	89	148470	25.0	23.8	
48 Chloroform	83	6.267	6.267	0.000	94	217091	12.5	12.9	
50 Cyclohexane	84	6.350	6.350	0.000	91	190744	12.5	13.3	
49 1,1,1-Trichloroethane	97	6.409	6.397	0.012	98	181639	12.5	13.0	
52 Carbon tetrachloride	117	6.563	6.563	0.000	97	156737	12.5	13.3	
51 1,1-Dichloropropene	75	6.622	6.623	-0.001	97	177160	12.5	13.2	
54 Benzene	78	6.871	6.872	-0.001	96	496536	12.5	12.9	
53 Isobutyl alcohol	41	6.966	6.967	-0.001	94	229604	312.5	315.4	
55 1,2-Dichloroethane	62	7.014	7.014	0.000	97	170068	12.5	12.7	
57 n-Heptane	100	7.144	7.144	0.000	93	32534	12.5	13.4	
59 Trichloroethene	130	7.666	7.666	0.000	99	135951	12.5	12.8	
61 Methylcyclohexane	83	7.785	7.773	0.012	90	210418	12.5	13.4	
62 1,2-Dichloropropane	63	7.974	7.975	0.000	95	129324	12.5	13.1	
64 Dibromomethane	174	8.105	8.105	0.000	96	87065	12.5	12.7	
65 1,4-Dioxane	88	8.128	8.129	-0.001	95	66430	250.0	253.7	
66 Dichlorobromomethane	83	8.283	8.283	0.000	100	153678	12.5	13.0	
68 2-Chloroethyl vinyl ether	63	8.650	8.650	0.000	92	205543	25.0	26.1	
69 cis-1,3-Dichloropropene	75	8.781	8.781	0.000	96	177564	12.5	12.8	
70 4-Methyl-2-pentanone (MIBK)	43	8.947	8.947	0.000	95	399785	25.0	25.3	
71 Toluene	91	9.053	9.054	-0.001	98	533593	12.5	13.1	
72 trans-1,3-Dichloropropene	75	9.374	9.386	-0.012	92	154805	12.5	12.8	
73 Ethyl methacrylate	69	9.421	9.421	0.000	90	178141	12.5	13.0	
74 1,1,2-Trichloroethane	97	9.552	9.552	0.000	94	118602	12.5	13.0	
75 Tetrachloroethene	166	9.575	9.575	0.000	97	139136	12.5	13.2	
76 1,3-Dichloropropane	76	9.718	9.706	0.012	90	211952	12.5	13.3	
77 2-Hexanone	43	9.777	9.777	0.000	98	310678	25.0	26.3	
79 Chlorodibromomethane	129	9.884	9.884	0.000	90	115982	12.5	12.9	
81 Ethylene Dibromide	107	10.002	10.002	0.000	98	127894	12.5	13.2	
83 Chlorobenzene	112	10.417	10.417	0.000	98	341615	12.5	13.2	
85 Ethylbenzene	106	10.500	10.500	0.000	98	181842	12.5	13.1	
84 1,1,1,2-Tetrachloroethane	131	10.512	10.512	0.000	94	112711	12.5	13.3	
86 m-Xylene & p-Xylene	106	10.607	10.607	0.000	99	223942	12.5	13.2	
87 o-Xylene	106	10.951	10.951	0.000	98	216788	12.5	13.2	
88 Styrene	104	10.975	10.975	0.000	95	360319	12.5	13.2	
89 Bromoform	173	11.164	11.164	0.000	97	84729	12.5	13.4	
90 Isopropylbenzene	105	11.259	11.259	0.000	96	560304	12.5	13.2	
95 Bromobenzene	156	11.556	11.556	0.000	93	144868	12.5	13.2	
93 1,1,2,2-Tetrachloroethane	83	11.579	11.580	-0.001	94	192045	12.5	12.9	
98 N-Propylbenzene	120	11.603	11.603	0.000	99	157248	12.5	13.3	
96 1,2,3-Trichloropropane	110	11.627	11.627	0.000	87	63705	12.5	12.7	
97 trans-1,4-Dichloro-2-butene	53	11.639	11.639	0.000	76	47132	12.5	12.7	
100 2-Chlorotoluene	126	11.698	11.698	0.000	96	135062	12.5	13.0	
101 1,3,5-Trimethylbenzene	105	11.757	11.757	0.000	94	479118	12.5	13.2	
102 4-Chlorotoluene	126	11.805	11.805	0.000	97	141164	12.5	13.4	
103 tert-Butylbenzene	119	12.018	12.018	0.000	93	414952	12.5	13.3	
105 1,2,4-Trimethylbenzene	105	12.066	12.066	0.000	97	491647	12.5	13.5	
106 sec-Butylbenzene	105	12.196	12.196	0.000	94	596384	12.5	13.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 4-Isopropyltoluene	119	12.315	12.315	0.000	97	515371	12.5	13.5	
107 1,3-Dichlorobenzene	146	12.326	12.327	-0.001	98	274011	12.5	13.3	
109 1,4-Dichlorobenzene	146	12.409	12.410	-0.001	96	273458	12.5	13.1	
112 n-Butylbenzene	91	12.647	12.647	0.000	98	449881	12.5	13.3	
113 1,2-Dichlorobenzene	146	12.706	12.706	0.000	97	263266	12.5	13.3	
114 1,2-Dibromo-3-Chloropropane	157	13.358	13.358	0.000	90	50582	12.5	12.7	
116 1,2,4-Trichlorobenzene	180	13.975	13.975	0.000	94	168619	12.5	12.6	
117 Hexachlorobutadiene	225	14.058	14.058	0.000	97	71485	12.5	12.5	
118 Naphthalene	128	14.176	14.177	-0.001	97	556779	12.5	13.2	
119 1,2,3-Trichlorobenzene	180	14.366	14.366	0.000	96	164904	12.5	13.2	
S 125 Trihalomethanes, Total	1				0		50.0	52.1	
S 124 Total BTEX	1				0		62.5	65.5	
S 126 1,2-Dichloroethene, Total	96				0			26.2	
S 127 1,3-Dichloropropene, Total	75				0			25.5	
S 128 Xylenes, Total	106				0		25.0	26.3	

QC Flag Legend

Processing Flags

Reagents:

VMPRIMW_00546	Amount Added: 10.00	Units: uL	
VMAROLISTDW_00500	Amount Added: 10.00	Units: uL	
VMRGAS_00492	Amount Added: 10.00	Units: uL	
vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm25UX18IS_00007	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00026	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00241	Amount Added: 0.00	Units:	Run Reagent

Report Date: 07-Sep-2023 14:20:04

Chrom Revision: 2.3 21-Aug-2023 17:14:06

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224018.D

Injection Date: 06-Sep-2023 14:46:34

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: IC

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

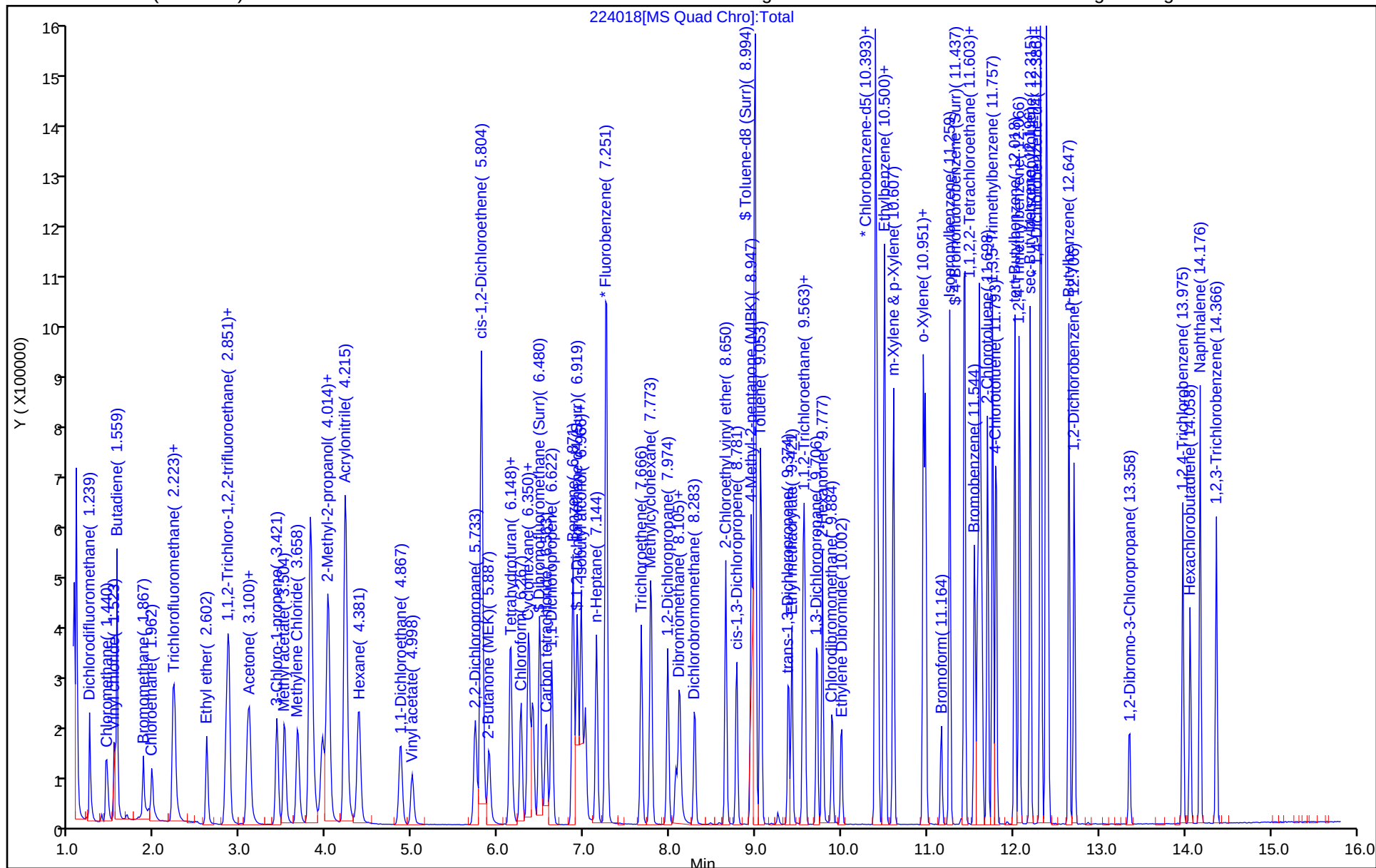
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224019.D
 Lims ID: ICIS
 Client ID:
 Sample Type: ICIS Calib Level: 6
 Inject. Date: 06-Sep-2023 15:10:23 ALS Bottle#: 0 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0133168-008
 Operator ID: 002808 Instrument ID: A3UX22
 Sublist: chrom-8260_22*sub1
 Method: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 07-Sep-2023 14:20:19 Calib Date: 06-Sep-2023 22:20:06
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224037.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 07-Sep-2023 10:58:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.263	7.263	0.000	99	1094885	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.394	0.000	85	806193	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	94	437173	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	278406	25.0	24.4	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	299728	25.0	24.5	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	94	1063973	25.0	24.9	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.425	11.425	0.000	94	377819	25.0	24.4	
9 Dichlorodifluoromethane	85	1.239	1.239	0.000	99	315694	25.0	25.6	
10 Chloromethane	50	1.440	1.440	0.000	99	333152	25.0	24.8	
12 Vinyl chloride	62	1.535	1.535	0.000	98	310322	25.0	25.2	
11 Butadiene	54	1.559	1.559	0.000	93	306459	25.0	25.7	
13 Bromomethane	94	1.867	1.867	0.000	90	113028	25.0	21.1	
15 Chloroethane	64	1.962	1.962	0.000	99	152896	25.0	23.3	
17 Trichlorofluoromethane	101	2.211	2.211	0.000	98	381588	25.0	25.8	
16 Dichlorofluoromethane	67	2.235	2.235	0.000	97	426969	25.0	25.0	
18 Ethyl ether	59	2.603	2.603	0.000	93	204663	25.0	25.2	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	2.828	2.828	0.000	93	232588	25.0	25.2	
19 Acrolein	56	2.852	2.852	0.000	98	173132	125.0	122.9	
20 1,1-Dichloroethene	96	2.863	2.863	0.000	98	209816	25.0	25.4	
22 Acetone	43	3.077	3.077	0.000	100	280379	50.0	46.1	
24 Iodomethane	142	3.077	3.077	0.000	97	279401	25.0	25.6	
25 Carbon disulfide	76	3.101	3.101	0.000	99	604994	25.0	25.2	
27 3-Chloro-1-propene	41	3.421	3.421	0.000	92	358681	25.0	25.2	
28 Methyl acetate	43	3.504	3.504	0.000	98	694347	50.0	47.1	
29 Methylene Chloride	84	3.658	3.658	0.000	94	251849	25.0	24.6	
30 2-Methyl-2-propanol	59	3.954	3.954	0.000	98	637283	250.0	253.1	
33 Methyl tert-butyl ether	73	4.014	4.014	0.000	92	733840	25.0	25.3	
32 trans-1,2-Dichloroethene	96	4.014	4.014	0.000	69	241091	25.0	25.0	
31 Acrylonitrile	53	4.227	4.227	0.000	98	1596393	250.0	252.1	
34 Hexane	57	4.369	4.369	0.000	94	352223	25.0	25.4	
35 1,1-Dichloroethane	63	4.856	4.856	0.000	96	449727	25.0	25.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 Vinyl acetate	43	4.998	4.998	0.000	97	407919	25.0	25.6	
42 2,2-Dichloropropane	97	5.733	5.733	0.000	92	65779	25.0	25.4	
41 cis-1,2-Dichloroethene	96	5.804	5.804	0.000	80	270178	25.0	25.7	
40 2-Butanone (MEK)	72	5.887	5.887	0.000	100	113358	50.0	49.2	
46 Chlorobromomethane	49	6.136	6.136	0.000	98	210853	25.0	25.4	
47 Tetrahydrofuran	42	6.148	6.148	0.000	88	304839	50.0	47.4	
48 Chloroform	83	6.267	6.267	0.000	94	440521	25.0	25.3	
50 Cyclohexane	84	6.350	6.350	0.000	91	377158	25.0	25.4	
49 1,1,1-Trichloroethane	97	6.397	6.397	0.000	98	369809	25.0	25.7	
52 Carbon tetrachloride	117	6.563	6.563	0.000	97	312012	25.0	25.6	
51 1,1-Dichloropropene	75	6.623	6.623	0.000	97	349108	25.0	25.1	
54 Benzene	78	6.872	6.872	0.000	96	1004005	25.0	25.3	
53 Isobutyl alcohol	41	6.967	6.967	0.000	95	500284	625.0	664.8	
55 1,2-Dichloroethane	62	7.014	7.014	0.000	97	338165	25.0	24.5	
57 n-Heptane	100	7.144	7.144	0.000	92	65958	25.0	26.3	
59 Trichloroethene	130	7.666	7.666	0.000	98	275501	25.0	25.0	
61 Methylcyclohexane	83	7.773	7.773	0.000	91	429374	25.0	26.4	
62 1,2-Dichloropropane	63	7.975	7.975	0.000	96	260194	25.0	25.5	
64 Dibromomethane	174	8.105	8.105	0.000	96	180870	25.0	25.5	
65 1,4-Dioxane	88	8.129	8.129	0.000	94	139365	500.0	515.0	
66 Dichlorobromomethane	83	8.283	8.283	0.000	99	311745	25.0	25.4	
68 2-Chloroethyl vinyl ether	63	8.650	8.650	0.000	92	422665	50.0	52.0	
69 cis-1,3-Dichloropropene	75	8.781	8.781	0.000	96	373079	25.0	26.0	
70 4-Methyl-2-pentanone (MIBK)	43	8.947	8.947	0.000	97	829179	50.0	50.8	
71 Toluene	91	9.054	9.054	0.000	98	1067008	25.0	25.3	
72 trans-1,3-Dichloropropene	75	9.386	9.386	0.000	92	332742	25.0	26.5	
73 Ethyl methacrylate	69	9.421	9.421	0.000	91	369967	25.0	26.2	
74 1,1,2-Trichloroethane	97	9.552	9.552	0.000	93	235082	25.0	25.0	
75 Tetrachloroethene	166	9.575	9.575	0.000	98	279984	25.0	25.7	
76 1,3-Dichloropropane	76	9.706	9.706	0.000	91	425186	25.0	25.7	
77 2-Hexanone	43	9.777	9.777	0.000	97	641947	50.0	52.6	
79 Chlorodibromomethane	129	9.884	9.884	0.000	90	240693	25.0	25.9	
81 Ethylene Dibromide	107	10.002	10.002	0.000	100	254882	25.0	25.5	
83 Chlorobenzene	112	10.417	10.417	0.000	94	684403	25.0	25.5	
85 Ethylbenzene	106	10.500	10.500	0.000	98	370387	25.0	25.9	
84 1,1,1,2-Tetrachloroethane	131	10.512	10.512	0.000	94	230058	25.0	26.2	
86 m-Xylene & p-Xylene	106	10.607	10.607	0.000	99	456104	25.0	26.0	
87 o-Xylene	106	10.951	10.951	0.000	98	444526	25.0	26.1	
88 Styrene	104	10.975	10.975	0.000	95	740946	25.0	26.3	
89 Bromoform	173	11.164	11.164	0.000	97	177541	25.0	27.1	
90 Isopropylbenzene	105	11.259	11.259	0.000	96	1153388	25.0	26.4	
95 Bromobenzene	156	11.556	11.556	0.000	93	291089	25.0	25.8	
93 1,1,2,2-Tetrachloroethane	83	11.580	11.580	0.000	95	386857	25.0	25.5	
98 N-Propylbenzene	120	11.603	11.603	0.000	99	319933	25.0	26.3	
96 1,2,3-Trichloropropane	110	11.627	11.627	0.000	88	131699	25.0	25.7	
97 trans-1,4-Dichloro-2-butene	53	11.639	11.639	0.000	80	102253	25.0	26.8	
100 2-Chlorotoluene	126	11.698	11.698	0.000	96	275771	25.0	26.0	
101 1,3,5-Trimethylbenzene	105	11.757	11.757	0.000	94	961972	25.0	25.9	
102 4-Chlorotoluene	126	11.805	11.805	0.000	97	285887	25.0	26.5	
103 tert-Butylbenzene	119	12.018	12.018	0.000	93	839808	25.0	26.3	
105 1,2,4-Trimethylbenzene	105	12.066	12.066	0.000	97	1005510	25.0	26.9	
106 sec-Butylbenzene	105	12.196	12.196	0.000	94	1229009	25.0	26.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 4-Isopropyltoluene	119	12.315	12.315	0.000	97	1051029	25.0	26.8	
107 1,3-Dichlorobenzene	146	12.327	12.327	0.000	98	538178	25.0	25.4	
109 1,4-Dichlorobenzene	146	12.410	12.410	0.000	96	545706	25.0	25.6	
112 n-Butylbenzene	91	12.647	12.647	0.000	98	920982	25.0	26.6	
113 1,2-Dichlorobenzene	146	12.706	12.706	0.000	97	520678	25.0	25.6	
114 1,2-Dibromo-3-Chloropropane	157	13.358	13.358	0.000	90	106314	25.0	26.1	
116 1,2,4-Trichlorobenzene	180	13.975	13.975	0.000	94	355473	25.0	25.9	
117 Hexachlorobutadiene	225	14.058	14.058	0.000	98	147533	25.0	25.2	
118 Naphthalene	128	14.177	14.177	0.000	97	1152984	25.0	26.7	
119 1,2,3-Trichlorobenzene	180	14.366	14.366	0.000	96	341738	25.0	26.6	
S 125 Trihalomethanes, Total	1				0		100.0	103.7	
S 124 Total BTEX	1				0		125.0	128.5	
S 128 Xylenes, Total	106				0		50.0	52.1	

QC Flag Legend

Processing Flags

Reagents:

VMRGAS_00492	Amount Added: 20.00	Units: uL	
VMAROLISTDW_00500	Amount Added: 20.00	Units: uL	
VMRPRIMW_00546	Amount Added: 20.00	Units: uL	
vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm25UX18IS_00007	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00026	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00241	Amount Added: 0.00	Units:	Run Reagent

Operator ID: 002808

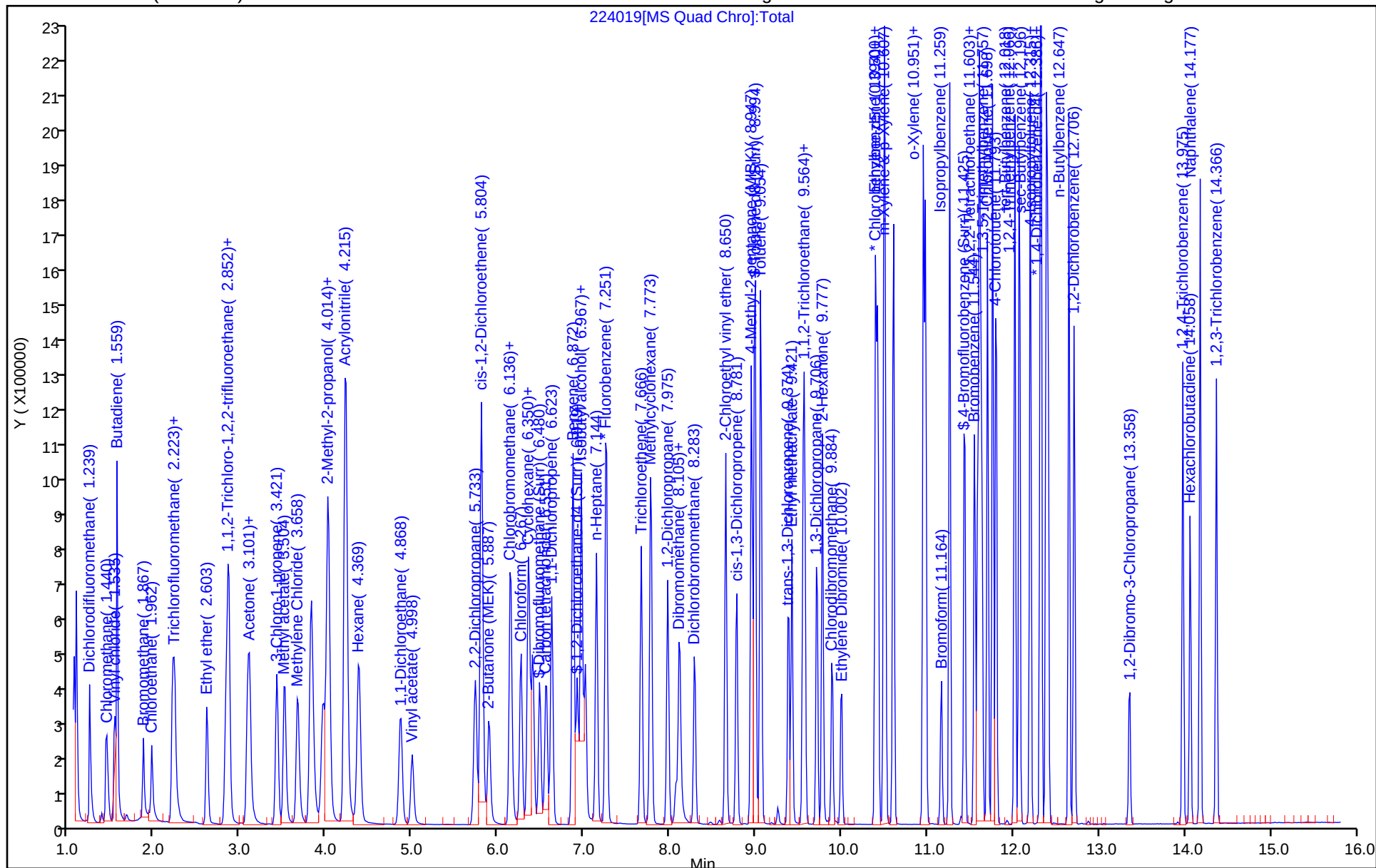
Worklist Smp#: 8

Client ID:

ALS Bottle#: 0

Limit Group: MSV 8260C ICAL

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224020.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 06-Sep-2023 15:34:16 ALS Bottle#: 0 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0133168-009
 Operator ID: 002808 Instrument ID: A3UX22
 Sublist: chrom-8260_22*sub1
 Method: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 07-Sep-2023 14:20:25 Calib Date: 06-Sep-2023 22:20:06
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224037.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 07-Sep-2023 11:03:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.251	7.263	-0.012	99	1049334	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.394	0.000	86	788778	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	94	427067	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	278384	25.0	25.4	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	296662	25.0	25.3	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	94	1042825	25.0	24.9	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.425	11.425	0.000	91	382354	25.0	25.2	
9 Dichlorodifluoromethane	85	1.239	1.239	0.000	99	442527	37.5	37.4	
10 Chloromethane	50	1.440	1.440	0.000	99	488255	37.5	37.9	
12 Vinyl chloride	62	1.535	1.535	0.000	98	458426	37.5	38.8	
11 Butadiene	54	1.559	1.559	0.000	94	435683	37.5	38.2	
13 Bromomethane	94	1.867	1.867	0.000	91	181280	37.5	35.3	
15 Chloroethane	64	1.962	1.962	0.000	100	217122	37.5	34.6	
17 Trichlorofluoromethane	101	2.199	2.211	-0.012	99	536758	37.5	37.9	
16 Dichlorofluoromethane	67	2.223	2.235	-0.012	97	617475	37.5	37.8	
18 Ethyl ether	59	2.603	2.603	0.000	94	304695	37.5	39.1	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	2.828	2.828	0.000	93	344628	37.5	38.9	
19 Acrolein	56	2.852	2.852	0.000	61	264104	187.5	195.6	
20 1,1-Dichloroethene	96	2.863	2.863	0.000	97	313854	37.5	39.7	
22 Acetone	43	3.077	3.077	0.000	100	423985	75.0	72.7	
24 Iodomethane	142	3.077	3.077	0.000	99	427878	37.5	40.9	
25 Carbon disulfide	76	3.101	3.101	0.000	99	901756	37.5	39.3	
27 3-Chloro-1-propene	41	3.421	3.421	0.000	92	540201	37.5	39.6	
28 Methyl acetate	43	3.516	3.504	0.012	98	1052401	75.0	74.4	
29 Methylene Chloride	84	3.658	3.658	0.000	94	373653	37.5	38.3	
30 2-Methyl-2-propanol	59	3.966	3.954	0.012	99	991771	375.0	410.9	
33 Methyl tert-butyl ether	73	4.014	4.014	0.000	97	1104600	37.5	39.7	
32 trans-1,2-Dichloroethene	96	4.014	4.014	0.000	71	357895	37.5	38.8	
31 Acrylonitrile	53	4.227	4.227	0.000	98	2437143	375.0	401.5	
34 Hexane	57	4.369	4.369	0.000	93	529177	37.5	39.9	
35 1,1-Dichloroethane	63	4.856	4.856	0.000	96	674722	37.5	39.6	

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	4.998	4.998	0.000	97	601856	37.5	39.4	
42 2,2-Dichloropropane	97	5.733	5.733	0.000	92	100959	37.5	40.6	
41 cis-1,2-Dichloroethene	96	5.804	5.804	0.000	80	399899	37.5	39.7	
40 2-Butanone (MEK)	72	5.887	5.887	0.000	100	176371	75.0	79.8	
46 Chlorobromomethane	49	6.136	6.136	0.000	98	306746	37.5	38.5	
47 Tetrahydrofuran	42	6.136	6.148	-0.012	90	465721	75.0	75.5	
48 Chloroform	83	6.267	6.267	0.000	93	652409	37.5	39.1	
50 Cyclohexane	84	6.350	6.350	0.000	91	565981	37.5	39.7	
49 1,1,1-Trichloroethane	97	6.397	6.397	0.000	98	550820	37.5	39.9	
52 Carbon tetrachloride	117	6.551	6.563	-0.012	97	476690	37.5	40.8	
51 1,1-Dichloropropene	75	6.623	6.623	0.000	98	529340	37.5	39.7	
54 Benzene	78	6.872	6.872	0.000	96	1495798	37.5	39.3	
53 Isobutyl alcohol	41	6.967	6.967	0.000	94	778366	937.5	1079.2	
55 1,2-Dichloroethane	62	7.014	7.014	0.000	97	504759	37.5	38.1	
57 n-Heptane	100	7.144	7.144	0.000	92	101067	37.5	42.0	
59 Trichloroethene	130	7.666	7.666	0.000	98	415374	37.5	39.3	
61 Methylcyclohexane	83	7.773	7.773	0.000	92	636234	37.5	40.8	
62 1,2-Dichloropropane	63	7.975	7.975	0.000	96	386315	37.5	39.4	
64 Dibromomethane	174	8.105	8.105	0.000	96	270231	37.5	39.7	
65 1,4-Dioxane	88	8.129	8.129	0.000	95	214943	750.0	828.8	
66 Dichlorobromomethane	83	8.283	8.283	0.000	99	467376	37.5	39.8	
68 2-Chloroethyl vinyl ether	63	8.650	8.650	0.000	92	648260	75.0	83.1	
69 cis-1,3-Dichloropropene	75	8.781	8.781	0.000	96	574726	37.5	41.8	
70 4-Methyl-2-pentanone (MIBK)	43	8.947	8.947	0.000	97	1264852	75.0	80.8	
71 Toluene	91	9.054	9.054	0.000	98	1586656	37.5	38.5	
72 trans-1,3-Dichloropropene	75	9.386	9.386	0.000	92	511922	37.5	41.7	
73 Ethyl methacrylate	69	9.421	9.421	0.000	90	575332	37.5	41.6	
74 1,1,2-Trichloroethane	97	9.552	9.552	0.000	93	356693	37.5	38.8	
75 Tetrachloroethene	166	9.575	9.575	0.000	98	415679	37.5	39.0	
76 1,3-Dichloropropane	76	9.718	9.706	0.012	90	641489	37.5	39.7	
77 2-Hexanone	43	9.777	9.777	0.000	97	978592	75.0	81.9	
79 Chlorodibromomethane	129	9.896	9.884	0.012	90	369426	37.5	40.7	
81 Ethylene Dibromide	107	10.002	10.002	0.000	98	389701	37.5	39.8	
83 Chlorobenzene	112	10.417	10.417	0.000	99	1026343	37.5	39.1	
85 Ethylbenzene	106	10.500	10.500	0.000	98	555608	37.5	39.7	
84 1,1,1,2-Tetrachloroethane	131	10.512	10.512	0.000	95	345211	37.5	40.2	
86 m-Xylene & p-Xylene	106	10.607	10.607	0.000	99	684550	37.5	39.8	
87 o-Xylene	106	10.951	10.951	0.000	96	672755	37.5	40.3	
88 Styrene	104	10.975	10.975	0.000	95	1109440	37.5	40.3	
89 Bromoform	173	11.164	11.164	0.000	98	278037	37.5	43.3	
90 Isopropylbenzene	105	11.259	11.259	0.000	96	1711639	37.5	40.0	
95 Bromobenzene	156	11.556	11.556	0.000	93	439883	37.5	39.9	
93 1,1,2,2-Tetrachloroethane	83	11.580	11.580	0.000	95	589158	37.5	39.7	
98 N-Propylbenzene	120	11.603	11.603	0.000	99	478428	37.5	40.3	
96 1,2,3-Trichloropropane	110	11.627	11.627	0.000	88	195882	37.5	39.1	
97 trans-1,4-Dichloro-2-butene	53	11.639	11.639	0.000	78	156650	37.5	42.1	
100 2-Chlorotoluene	126	11.698	11.698	0.000	96	411480	37.5	39.7	
101 1,3,5-Trimethylbenzene	105	11.757	11.757	0.000	94	1462414	37.5	40.3	
102 4-Chlorotoluene	126	11.805	11.805	0.000	97	428621	37.5	40.7	
103 tert-Butylbenzene	119	12.018	12.018	0.000	93	1258633	37.5	40.4	
105 1,2,4-Trimethylbenzene	105	12.066	12.066	0.000	97	1491757	37.5	40.8	
106 sec-Butylbenzene	105	12.196	12.196	0.000	95	1837758	37.5	41.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 4-Isopropyltoluene	119	12.315	12.315	0.000	97	1578271	37.5	41.3	
107 1,3-Dichlorobenzene	146	12.327	12.327	0.000	98	815159	37.5	39.4	
109 1,4-Dichlorobenzene	146	12.410	12.410	0.000	96	826534	37.5	39.6	
112 n-Butylbenzene	91	12.647	12.647	0.000	98	1408083	37.5	41.6	
113 1,2-Dichlorobenzene	146	12.706	12.706	0.000	97	779073	37.5	39.2	
114 1,2-Dibromo-3-Chloropropane	157	13.358	13.358	0.000	90	166983	37.5	41.9	
116 1,2,4-Trichlorobenzene	180	13.975	13.975	0.000	94	543933	37.5	40.5	
117 Hexachlorobutadiene	225	14.058	14.058	0.000	98	225375	37.5	39.5	
118 Naphthalene	128	14.177	14.177	0.000	97	1776613	37.5	42.1	
119 1,2,3-Trichlorobenzene	180	14.366	14.366	0.000	96	514820	37.5	41.1	
S 125 Trihalomethanes, Total	1				0		150.0	162.9	
S 124 Total BTEX	1				0		187.5	197.6	
S 126 1,2-Dichloroethene, Total	96				0			78.4	
S 127 1,3-Dichloropropene, Total	75				0			83.5	
S 128 Xylenes, Total	106				0		75.0	80.2	

QC Flag Legend

Processing Flags

Reagents:

VMPRIMW_00546	Amount Added: 30.00	Units: uL	
VMAROLISTDW_00500	Amount Added: 30.00	Units: uL	
VMRGAS_00492	Amount Added: 30.00	Units: uL	
vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm25UX18IS_00007	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00026	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00241	Amount Added: 0.00	Units:	Run Reagent

Report Date: 07-Sep-2023 14:20:26

Chrom Revision: 2.3 21-Aug-2023 17:14:06

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224020.D

Injection Date: 06-Sep-2023 15:34:16

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: IC

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

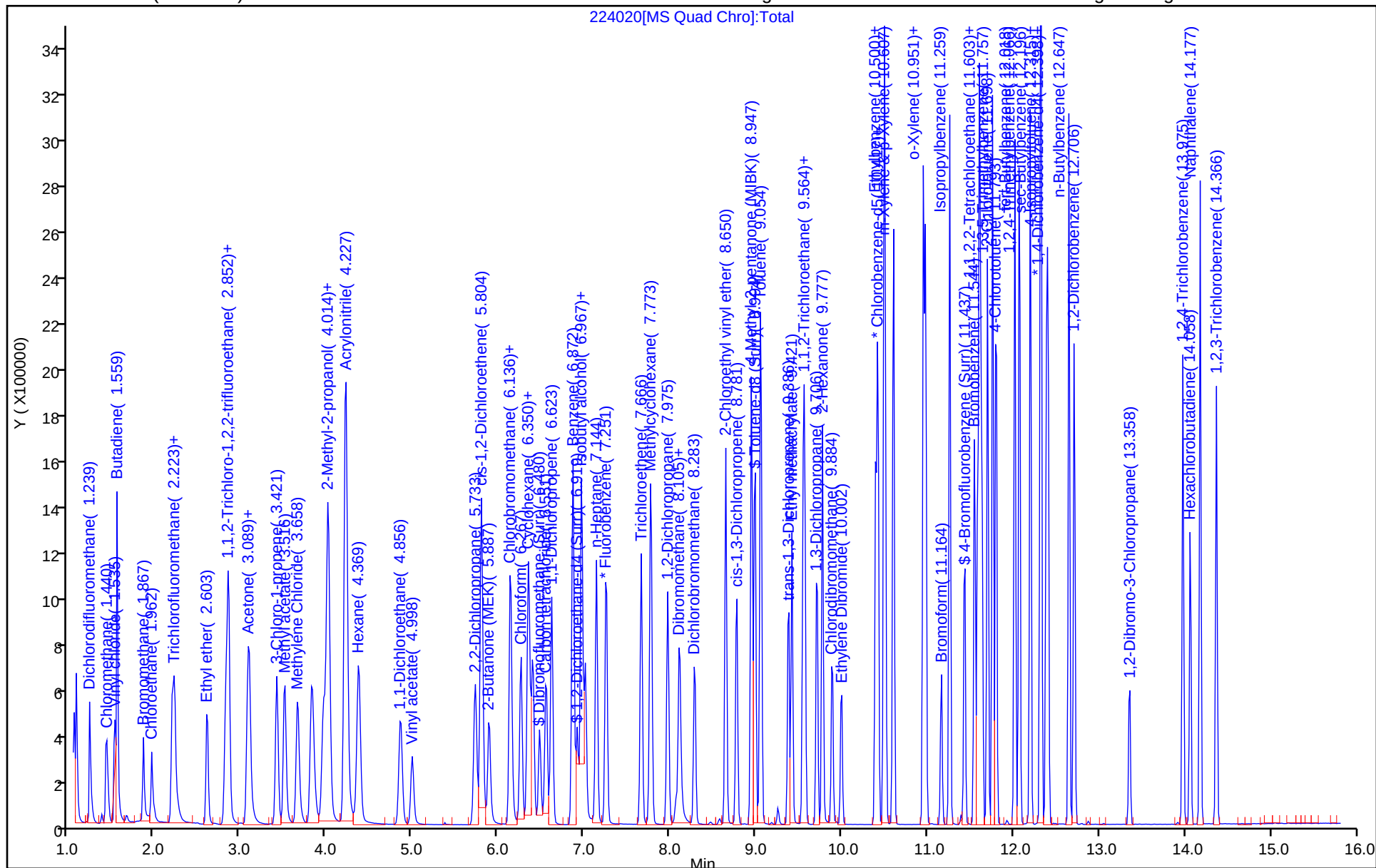
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224021.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 06-Sep-2023 15:58:11 ALS Bottle#: 0 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0133168-010
 Operator ID: 002808 Instrument ID: A3UX22
 Sublist: chrom-8260_22*sub1
 Method: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 07-Sep-2023 14:20:31 Calib Date: 06-Sep-2023 22:20:06
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224037.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 07-Sep-2023 11:04:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.251	7.263	-0.012	99	1071987	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.394	0.000	86	800463	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	94	432170	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	279740	25.0	25.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	296489	25.0	24.8	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	93	1067727	25.0	25.1	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.425	11.425	0.000	94	388099	25.0	25.2	
9 Dichlorodifluoromethane	85	1.239	1.239	0.000	99	591421	50.0	48.9	
10 Chloromethane	50	1.429	1.440	-0.011	99	646316	50.0	49.1	
12 Vinyl chloride	62	1.523	1.535	-0.012	98	611925	50.0	50.7	
11 Butadiene	54	1.559	1.559	0.000	91	582253	50.0	50.0	
13 Bromomethane	94	1.855	1.867	-0.012	92	261728	50.0	49.8	
15 Chloroethane	64	1.962	1.962	0.000	100	277243	50.0	43.2	
17 Trichlorofluoromethane	101	2.199	2.211	-0.012	99	722615	50.0	49.9	
16 Dichlorofluoromethane	67	2.223	2.235	-0.012	97	827295	50.0	49.5	
18 Ethyl ether	59	2.603	2.603	0.000	93	410683	50.0	51.6	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	2.816	2.828	-0.012	93	455745	50.0	50.4	
19 Acrolein	56	2.852	2.852	0.000	61	355645	250.0	257.8	
20 1,1-Dichloroethene	96	2.852	2.863	-0.011	97	421772	50.0	52.2	
22 Acetone	43	3.077	3.077	0.000	100	569626	100.0	95.7	
24 Iodomethane	142	3.077	3.077	0.000	100	577878	50.0	54.1	
25 Carbon disulfide	76	3.089	3.101	-0.012	100	1208435	50.0	51.5	
27 3-Chloro-1-propene	41	3.409	3.421	-0.012	92	718104	50.0	51.5	
28 Methyl acetate	43	3.504	3.504	0.000	98	1397922	100.0	96.8	
29 Methylene Chloride	84	3.658	3.658	0.000	94	497437	50.0	50.0	
30 2-Methyl-2-propanol	59	3.966	3.954	0.012	99	1337371	500.0	542.4	
33 Methyl tert-butyl ether	73	4.014	4.014	0.000	98	1495436	50.0	52.7	
32 trans-1,2-Dichloroethene	96	4.014	4.014	0.000	98	478151	50.0	50.7	
31 Acrylonitrile	53	4.215	4.227	-0.012	98	3191810	500.0	514.7	
34 Hexane	57	4.369	4.369	0.000	93	703089	50.0	51.8	
35 1,1-Dichloroethane	63	4.856	4.856	0.000	96	909730	50.0	52.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 Vinyl acetate	43	4.998	4.998	0.000	97	810207	50.0	51.9	
42 2,2-Dichloropropane	97	5.733	5.733	0.000	91	134301	50.0	52.9	
41 cis-1,2-Dichloroethene	96	5.793	5.804	-0.012	80	538459	50.0	52.3	
40 2-Butanone (MEK)	72	5.887	5.887	0.000	100	237885	100.0	105.4	
46 Chlorobromomethane	49	6.136	6.136	0.000	97	412114	50.0	50.6	
47 Tetrahydrofuran	42	6.136	6.148	-0.012	89	620180	100.0	98.4	
48 Chloroform	83	6.267	6.267	0.000	93	880578	50.0	51.7	
50 Cyclohexane	84	6.350	6.350	0.000	91	754212	50.0	51.8	
49 1,1,1-Trichloroethane	97	6.397	6.397	0.000	98	747558	50.0	53.0	
52 Carbon tetrachloride	117	6.551	6.563	-0.012	97	637019	50.0	53.4	
51 1,1-Dichloropropene	75	6.623	6.623	0.000	97	710481	50.0	52.2	
54 Benzene	78	6.872	6.872	0.000	96	2004690	50.0	51.5	
53 Isobutyl alcohol	41	6.967	6.967	-0.001	94	1056386	1250.0	1433.8	
55 1,2-Dichloroethane	62	7.014	7.014	0.000	97	673243	50.0	49.8	
57 n-Heptane	100	7.144	7.144	0.000	93	134603	50.0	54.8	
59 Trichloroethene	130	7.666	7.666	0.000	97	556793	50.0	51.6	
61 Methylcyclohexane	83	7.773	7.773	0.000	91	850151	50.0	53.4	
62 1,2-Dichloropropane	63	7.974	7.975	0.000	95	521581	50.0	52.1	
64 Dibromomethane	174	8.105	8.105	0.000	96	359369	50.0	51.7	
65 1,4-Dioxane	88	8.129	8.129	0.000	94	280396	1000.0	1058.3	
66 Dichlorobromomethane	83	8.283	8.283	0.000	99	639583	50.0	53.3	
68 2-Chloroethyl vinyl ether	63	8.650	8.650	0.000	92	872922	100.0	109.6	
69 cis-1,3-Dichloropropene	75	8.781	8.781	0.000	96	782020	50.0	55.6	
70 4-Methyl-2-pentanone (MIBK)	43	8.947	8.947	0.000	97	1716858	100.0	107.4	
71 Toluene	91	9.054	9.054	0.000	98	2115214	50.0	50.6	
72 trans-1,3-Dichloropropene	75	9.374	9.386	-0.012	92	702595	50.0	56.4	
73 Ethyl methacrylate	69	9.421	9.421	0.000	90	786269	50.0	56.0	
74 1,1,2-Trichloroethane	97	9.552	9.552	0.000	93	481150	50.0	51.5	
75 Tetrachloroethene	166	9.564	9.575	-0.011	98	556025	50.0	51.5	
76 1,3-Dichloropropane	76	9.706	9.706	0.000	90	859097	50.0	52.4	
77 2-Hexanone	43	9.777	9.777	0.000	96	1295168	100.0	106.8	
79 Chlorodibromomethane	129	9.884	9.884	0.000	90	507891	50.0	55.1	
81 Ethylene Dibromide	107	9.990	10.002	-0.012	99	518902	50.0	52.3	
83 Chlorobenzene	112	10.417	10.417	0.000	94	1369625	50.0	51.4	
85 Ethylbenzene	106	10.500	10.500	0.000	98	741758	50.0	52.2	
84 1,1,1,2-Tetrachloroethane	131	10.512	10.512	0.000	95	476978	50.0	54.7	
86 m-Xylene & p-Xylene	106	10.607	10.607	0.000	100	917799	50.0	52.6	
87 o-Xylene	106	10.951	10.951	0.000	98	898118	50.0	53.1	
88 Styrene	104	10.975	10.975	0.000	95	1496597	50.0	53.6	
89 Bromoform	173	11.164	11.164	0.000	98	383082	50.0	58.9	
90 Isopropylbenzene	105	11.259	11.259	0.000	96	2298258	50.0	52.9	
95 Bromobenzene	156	11.556	11.556	0.000	94	580363	50.0	52.0	
93 1,1,2,2-Tetrachloroethane	83	11.580	11.580	0.000	94	782286	50.0	52.1	
98 N-Propylbenzene	120	11.603	11.603	0.000	99	643736	50.0	53.5	
96 1,2,3-Trichloropropane	110	11.627	11.627	0.000	88	263372	50.0	51.9	
97 trans-1,4-Dichloro-2-butene	53	11.639	11.639	0.000	83	214411	50.0	56.9	
100 2-Chlorotoluene	126	11.698	11.698	0.000	96	544327	50.0	51.9	
101 1,3,5-Trimethylbenzene	105	11.757	11.757	0.000	94	1936625	50.0	52.7	
102 4-Chlorotoluene	126	11.805	11.805	0.000	97	566268	50.0	53.1	
103 tert-Butylbenzene	119	12.018	12.018	0.000	93	1691978	50.0	53.6	
105 1,2,4-Trimethylbenzene	105	12.066	12.066	0.000	98	1988170	50.0	53.8	
106 sec-Butylbenzene	105	12.196	12.196	0.000	95	2439134	50.0	53.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 4-Isopropyltoluene	119	12.315	12.315	0.000	97	2123277	50.0	54.8	
107 1,3-Dichlorobenzene	146	12.327	12.327	0.000	98	1091320	50.0	52.1	
109 1,4-Dichlorobenzene	146	12.410	12.410	0.000	96	1096335	50.0	52.0	
112 n-Butylbenzene	91	12.647	12.647	0.000	98	1874264	50.0	54.7	
113 1,2-Dichlorobenzene	146	12.706	12.706	0.000	97	1038883	50.0	51.7	
114 1,2-Dibromo-3-Chloropropane	157	13.358	13.358	0.000	90	225777	50.0	56.0	
116 1,2,4-Trichlorobenzene	180	13.975	13.975	0.000	94	718885	50.0	53.0	
117 Hexachlorobutadiene	225	14.058	14.058	0.000	98	305822	50.0	52.9	
118 Naphthalene	128	14.177	14.177	0.000	97	2386287	50.0	55.9	
119 1,2,3-Trichlorobenzene	180	14.366	14.366	0.000	96	691624	50.0	54.5	
S 125 Trihalomethanes, Total	1				0		200.0	218.9	
S 124 Total BTEX	1				0		250.0	260.0	
S 126 1,2-Dichloroethene, Total	96				0			103.0	
S 127 1,3-Dichloropropene, Total	75				0			112.0	
S 128 Xylenes, Total	106				0		100.0	105.7	

QC Flag Legend

Processing Flags

Reagents:

VMRGAS_00492	Amount Added: 40.00	Units: uL	
VMAROLISTDW_00500	Amount Added: 40.00	Units: uL	
VMRPRIMW_00546	Amount Added: 40.00	Units: uL	
vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm25UX18IS_00007	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00026	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00241	Amount Added: 0.00	Units:	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224021.D

Injection Date: 06-Sep-2023 15:58:11

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: IC

Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

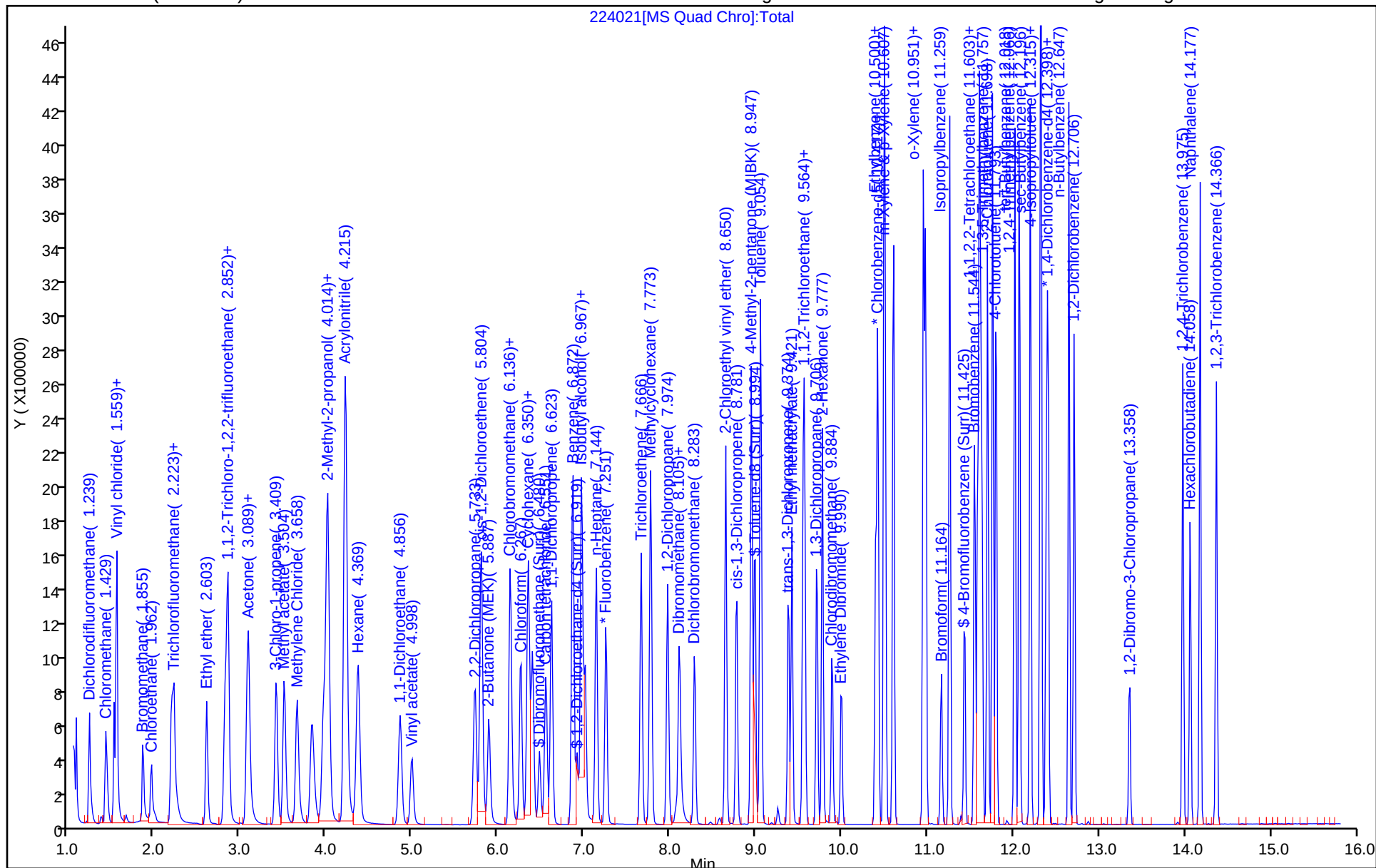
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224022.D
 Lims ID: IC
 Client ID:
 Sample Type: IC Calib Level: 9
 Inject. Date: 06-Sep-2023 16:22:10 ALS Bottle#: 0 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0133168-011
 Operator ID: 002808 Instrument ID: A3UX22
 Sublist: chrom-8260_22*sub1
 Method: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 07-Sep-2023 14:20:37 Calib Date: 06-Sep-2023 22:20:06
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224037.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 07-Sep-2023 11:06:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.251	7.263	-0.012	99	1096006	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.394	0.000	86	818630	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	94	443569	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	94	279188	25.0	24.4	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	299866	25.0	24.5	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	93	1066993	25.0	24.5	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.425	11.425	0.000	93	395929	25.0	25.2	
9 Dichlorodifluoromethane	85	1.239	1.239	0.000	99	724263	62.5	58.6	
10 Chloromethane	50	1.429	1.440	-0.011	99	820862	62.5	61.0	
12 Vinyl chloride	62	1.523	1.535	-0.012	97	769535	62.5	62.4	
11 Butadiene	54	1.559	1.559	0.000	91	720859	62.5	60.5	
13 Bromomethane	94	1.856	1.867	-0.011	92	337949	62.5	62.9	
15 Chloroethane	64	1.962	1.962	0.000	100	346292	62.5	52.8	
17 Trichlorofluoromethane	101	2.188	2.211	-0.023	98	903648	62.5	61.1	
16 Dichlorofluoromethane	67	2.223	2.235	-0.012	97	1029389	62.5	60.3	
18 Ethyl ether	59	2.603	2.603	0.000	92	512787	62.5	63.1	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.816	2.828	-0.012	93	565083	62.5	61.1	
19 Acrolein	56	2.852	2.852	0.000	100	437230	312.5	310.0	
20 1,1-Dichloroethene	96	2.852	2.863	-0.011	98	519925	62.5	62.9	
22 Acetone	43	3.077	3.077	0.000	98	713685	125.0	117.2	
24 Iodomethane	142	3.077	3.077	0.000	99	728644	62.5	66.7	
25 Carbon disulfide	76	3.089	3.101	-0.012	100	1492023	62.5	62.2	
27 3-Chloro-1-propene	41	3.409	3.421	-0.012	92	883327	62.5	62.0	
28 Methyl acetate	43	3.504	3.504	0.000	98	1742202	125.0	118.0	
29 Methylene Chloride	84	3.658	3.658	0.000	93	626983	62.5	61.8	
30 2-Methyl-2-propanol	59	3.966	3.954	0.012	99	1695197	625.0	672.5	
33 Methyl tert-butyl ether	73	4.014	4.014	0.000	99	1888218	62.5	65.1	
32 trans-1,2-Dichloroethene	96	4.014	4.014	0.000	98	599952	62.5	62.2	
31 Acrylonitrile	53	4.227	4.227	0.000	99	4048377	625.0	638.6	
34 Hexane	57	4.370	4.369	0.001	93	867317	62.5	62.6	
35 1,1-Dichloroethane	63	4.856	4.856	0.000	96	1124648	62.5	63.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 Vinyl acetate	43	4.998	4.998	0.000	97	800184	62.5	50.1	
42 2,2-Dichloropropane	97	5.733	5.733	0.000	91	168668	62.5	64.9	
41 cis-1,2-Dichloroethene	96	5.793	5.804	-0.011	80	674885	62.5	64.1	
40 2-Butanone (MEK)	72	5.887	5.887	0.000	100	300876	125.0	130.4	
46 Chlorobromomethane	49	6.136	6.136	0.000	98	509877	62.5	61.3	
47 Tetrahydrofuran	42	6.136	6.148	-0.012	89	783857	125.0	121.7	
48 Chloroform	83	6.267	6.267	0.000	94	1097589	62.5	63.0	
50 Cyclohexane	84	6.350	6.350	0.000	91	942705	62.5	63.3	
49 1,1,1-Trichloroethane	97	6.397	6.397	0.000	98	931590	62.5	64.6	
52 Carbon tetrachloride	117	6.552	6.563	-0.011	97	796210	62.5	65.3	
51 1,1-Dichloropropene	75	6.623	6.623	0.000	97	878147	62.5	63.1	
54 Benzene	78	6.872	6.872	0.000	96	2494894	62.5	62.7	
53 Isobutyl alcohol	41	6.967	6.967	0.000	94	1329918	1562.5	1765.5	
55 1,2-Dichloroethane	62	7.014	7.014	0.000	97	841736	62.5	60.9	
57 n-Heptane	100	7.144	7.144	0.000	92	169281	62.5	67.4	
59 Trichloroethene	130	7.666	7.666	0.000	98	714056	62.5	64.7	
61 Methylcyclohexane	83	7.773	7.773	0.000	90	1051850	62.5	64.7	
62 1,2-Dichloropropane	63	7.975	7.975	0.001	96	646546	62.5	63.2	
64 Dibromomethane	174	8.105	8.105	0.000	95	456730	62.5	64.3	
65 1,4-Dioxane	88	8.129	8.129	0.000	94	357121	1250.0	1318.4	
66 Dichlorobromomethane	83	8.283	8.283	0.000	99	805695	62.5	65.6	
68 2-Chloroethyl vinyl ether	63	8.651	8.650	0.001	92	1112972	125.0	136.7	
69 cis-1,3-Dichloropropene	75	8.781	8.781	0.000	96	987838	62.5	68.7	
70 4-Methyl-2-pentanone (MIBK)	43	8.947	8.947	0.000	97	2148896	125.0	131.5	
71 Toluene	91	9.054	9.054	0.000	98	2634208	62.5	61.6	
72 trans-1,3-Dichloropropene	75	9.374	9.386	-0.012	93	896616	62.5	70.4	
73 Ethyl methacrylate	69	9.421	9.421	0.000	91	990481	62.5	69.0	
74 1,1,2-Trichloroethane	97	9.552	9.552	0.000	93	599742	62.5	62.8	
75 Tetrachloroethene	166	9.576	9.575	0.001	97	691643	62.5	62.6	
76 1,3-Dichloropropane	76	9.706	9.706	0.000	90	1078137	62.5	64.3	
77 2-Hexanone	43	9.777	9.777	0.000	97	1648328	125.0	133.0	
79 Chlorodibromomethane	129	9.896	9.884	0.012	90	640496	62.5	68.0	
81 Ethylene Dibromide	107	9.991	10.002	-0.011	99	656487	62.5	64.7	
83 Chlorobenzene	112	10.417	10.417	0.000	94	1682315	62.5	61.8	
85 Ethylbenzene	106	10.500	10.500	0.000	98	917056	62.5	63.1	
84 1,1,1,2-Tetrachloroethane	131	10.512	10.512	0.000	95	591098	62.5	66.3	
86 m-Xylene & p-Xylene	106	10.607	10.607	0.000	99	1133946	62.5	63.6	
87 o-Xylene	106	10.951	10.951	0.000	98	1111750	62.5	64.2	
88 Styrene	104	10.975	10.975	0.000	95	1853046	62.5	64.9	
89 Bromoform	173	11.165	11.164	0.001	97	485996	62.5	73.0	
90 Isopropylbenzene	105	11.259	11.259	0.000	96	2831747	62.5	63.8	
95 Bromobenzene	156	11.556	11.556	0.000	93	719346	62.5	62.8	
93 1,1,2,2-Tetrachloroethane	83	11.580	11.580	0.000	94	938203	62.5	60.8	
98 N-Propylbenzene	120	11.603	11.603	0.000	99	792215	62.5	64.2	
96 1,2,3-Trichloropropane	110	11.627	11.627	0.000	88	326376	62.5	62.7	
97 trans-1,4-Dichloro-2-butene	53	11.639	11.639	0.000	82	271977	62.5	70.4	
100 2-Chlorotoluene	126	11.698	11.698	0.000	96	677911	62.5	62.9	
101 1,3,5-Trimethylbenzene	105	11.757	11.757	0.000	94	2403935	62.5	63.8	
102 4-Chlorotoluene	126	11.805	11.805	0.000	97	703680	62.5	64.3	
103 tert-Butylbenzene	119	12.018	12.018	0.000	93	2081321	62.5	64.3	
105 1,2,4-Trimethylbenzene	105	12.066	12.066	0.000	97	2458245	62.5	64.8	
106 sec-Butylbenzene	105	12.196	12.196	0.000	95	2974862	62.5	64.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 4-Isopropyltoluene	119	12.315	12.315	0.000	97	2607026	62.5	65.6	
107 1,3-Dichlorobenzene	146	12.327	12.327	0.000	98	1353961	62.5	63.0	
109 1,4-Dichlorobenzene	146	12.410	12.410	0.000	96	1363872	62.5	63.0	
112 n-Butylbenzene	91	12.647	12.647	0.000	98	2314923	62.5	65.8	
113 1,2-Dichlorobenzene	146	12.706	12.706	0.000	97	1296921	62.5	62.9	
114 1,2-Dibromo-3-Chloropropane	157	13.358	13.358	0.000	92	286537	62.5	69.2	
116 1,2,4-Trichlorobenzene	180	13.975	13.975	0.000	94	911292	62.5	65.4	
117 Hexachlorobutadiene	225	14.058	14.058	0.000	98	372499	62.5	62.8	
118 Naphthalene	128	14.177	14.177	0.000	97	3004822	62.5	68.5	
119 1,2,3-Trichlorobenzene	180	14.366	14.366	0.000	96	873270	62.5	67.1	
S 125 Trihalomethanes, Total	1				0		250.0	269.6	
S 124 Total BTEX	1				0		312.5	315.2	
S 126 1,2-Dichloroethene, Total	96				0			126.3	
S 127 1,3-Dichloropropene, Total	75				0			139.1	
S 128 Xylenes, Total	106				0		125.0	127.8	

QC Flag Legend

Processing Flags

Reagents:

VMPRIMW_00546	Amount Added: 50.00	Units: uL	
VMAROLISTDW_00500	Amount Added: 50.00	Units: uL	
VMRGAS_00492	Amount Added: 50.00	Units: uL	
vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm25UX18IS_00007	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00026	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00241	Amount Added: 0.00	Units:	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224022.D

Injection Date: 06-Sep-2023 16:22:10

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: IC

Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

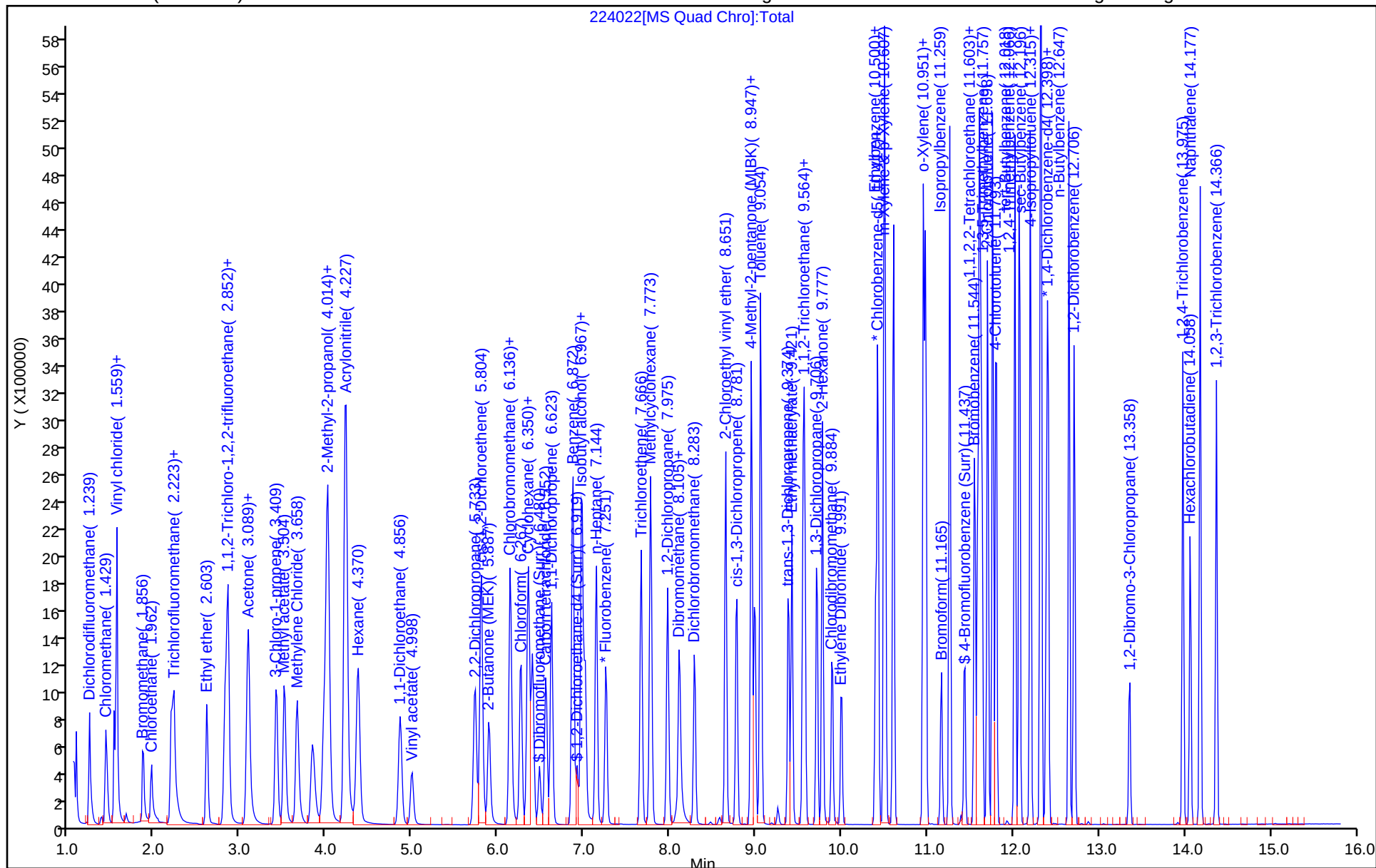
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Calibration

/ Dichlorodifluoromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

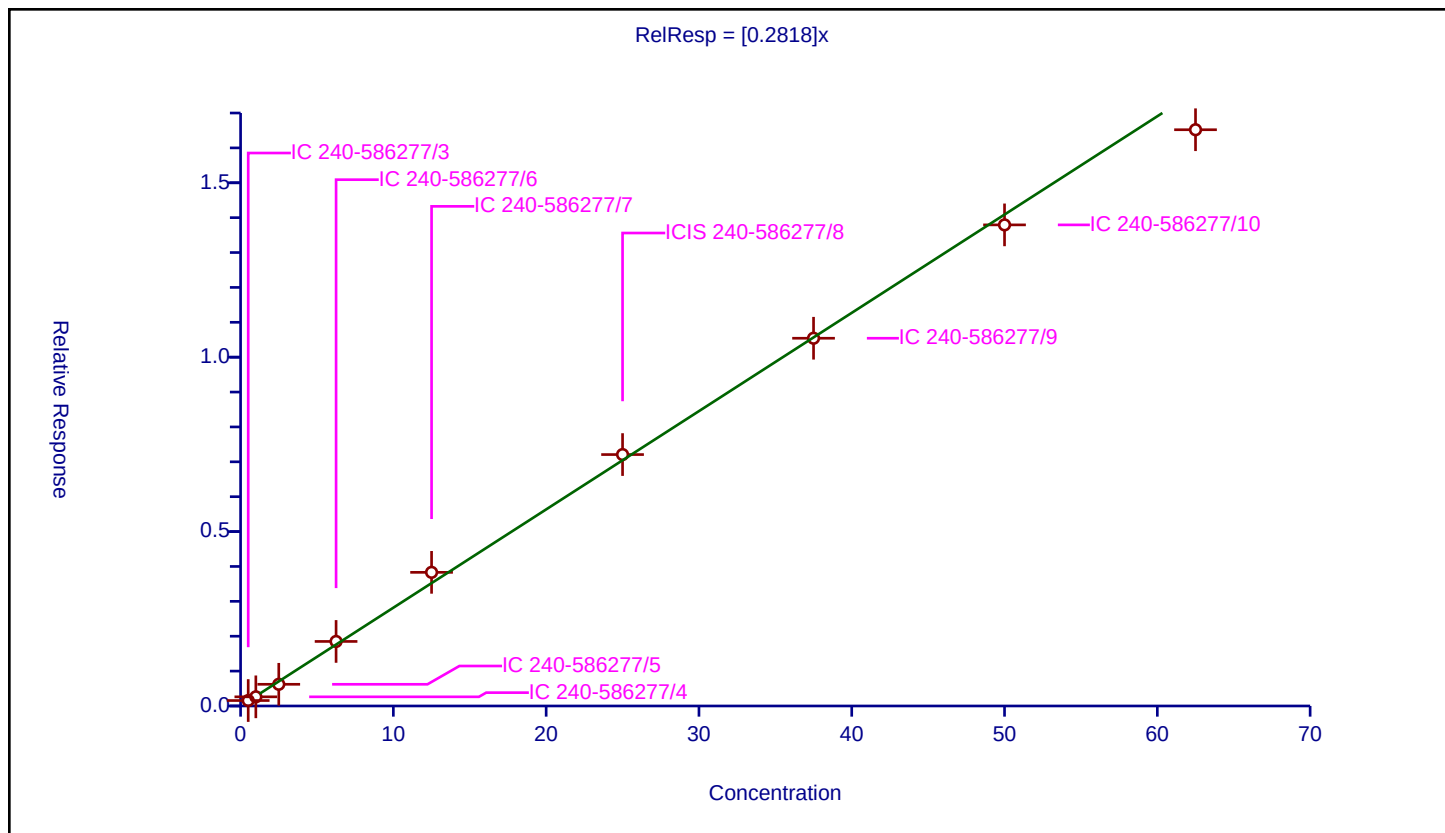
Curve Coefficients

Intercept: 0
Slope: 0.2818

Error Coefficients

Standard Error: 388000
Relative Standard Error: 7.5
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.156054	25.0	1051879.0	0.312108	Y
2	IC 240-586277/4	1.0	0.262806	25.0	1049917.0	0.262806	Y
3	IC 240-586277/5	2.5	0.622076	25.0	1064862.0	0.24883	Y
4	IC 240-586277/6	6.25	1.850387	25.0	1073762.0	0.296062	Y
5	IC 240-586277/7	12.5	3.831578	25.0	1059322.0	0.306526	Y
6	ICIS 240-586277/8	25.0	7.208383	25.0	1094885.0	0.288335	Y
7	IC 240-586277/9	37.5	10.543044	25.0	1049334.0	0.281148	Y
8	IC 240-586277/10	50.0	13.792635	25.0	1071987.0	0.275853	Y
9	IC 240-586277/11	62.5	16.520507	25.0	1096006.0	0.264328	Y



Calibration

/ Chloromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

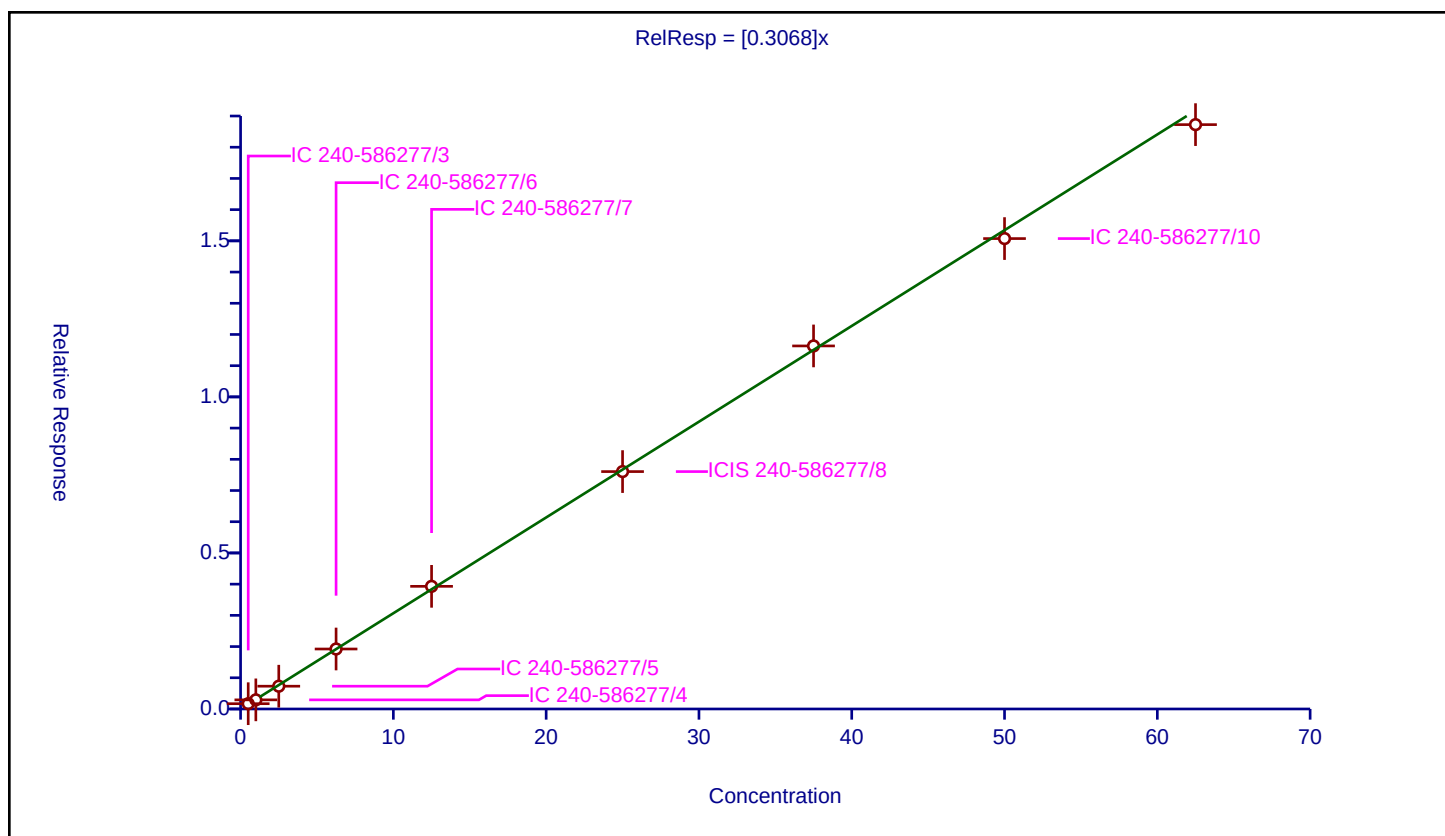
Curve Coefficients

Intercept: 0
Slope: 0.3068

Error Coefficients

Standard Error: 430000
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 240-586277/3	0.5	0.16953	25.0	1051879.0	0.33906	Y
2	IC 240-586277/4	1.0	0.293047	25.0	1049917.0	0.293047	Y
3	IC 240-586277/5	2.5	0.729719	25.0	1064862.0	0.291888	Y
4	IC 240-586277/6	6.25	1.922214	25.0	1073762.0	0.307554	Y
5	IC 240-586277/7	12.5	3.929872	25.0	1059322.0	0.31439	Y
6	ICIS 240-586277/8	25.0	7.607009	25.0	1094885.0	0.30428	Y
7	IC 240-586277/9	37.5	11.632497	25.0	1049334.0	0.3102	Y
8	IC 240-586277/10	50.0	15.072851	25.0	1071987.0	0.301457	Y
9	IC 240-586277/11	62.5	18.723939	25.0	1096006.0	0.299583	Y



Calibration

/ Vinyl chloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

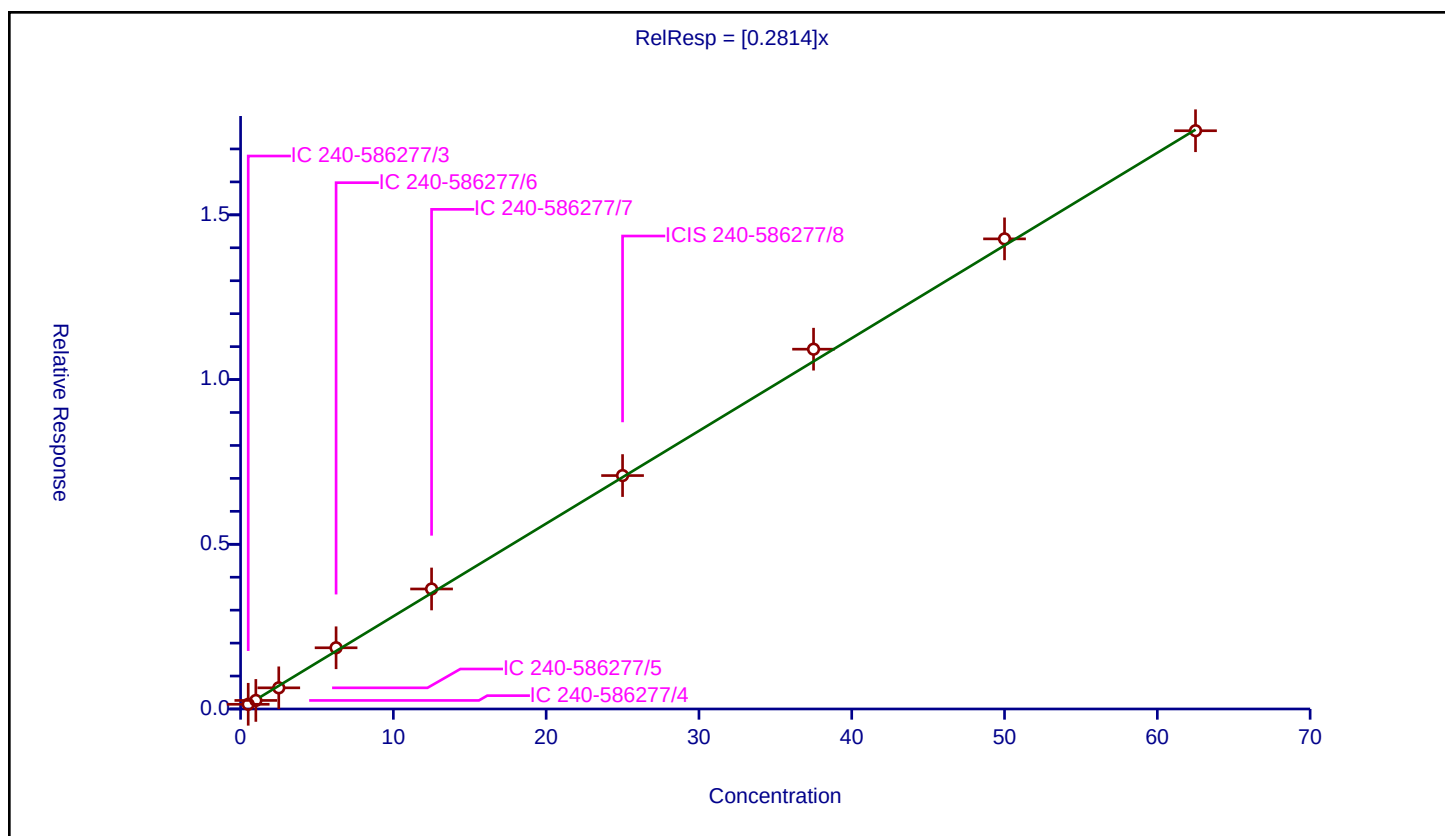
Curve Coefficients

Intercept: 0
Slope: 0.2814

Error Coefficients

Standard Error: 404000
Relative Standard Error: 5.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.143077	25.0	1051879.0	0.286155	Y
2	IC 240-586277/4	1.0	0.259782	25.0	1049917.0	0.259782	Y
3	IC 240-586277/5	2.5	0.642102	25.0	1064862.0	0.256841	Y
4	IC 240-586277/6	6.25	1.858466	25.0	1073762.0	0.297355	Y
5	IC 240-586277/7	12.5	3.643132	25.0	1059322.0	0.291451	Y
6	ICIS 240-586277/8	25.0	7.085721	25.0	1094885.0	0.283429	Y
7	IC 240-586277/9	37.5	10.921832	25.0	1049334.0	0.291249	Y
8	IC 240-586277/10	50.0	14.270812	25.0	1071987.0	0.285416	Y
9	IC 240-586277/11	62.5	17.553166	25.0	1096006.0	0.280851	Y



Calibration

/ Butadiene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

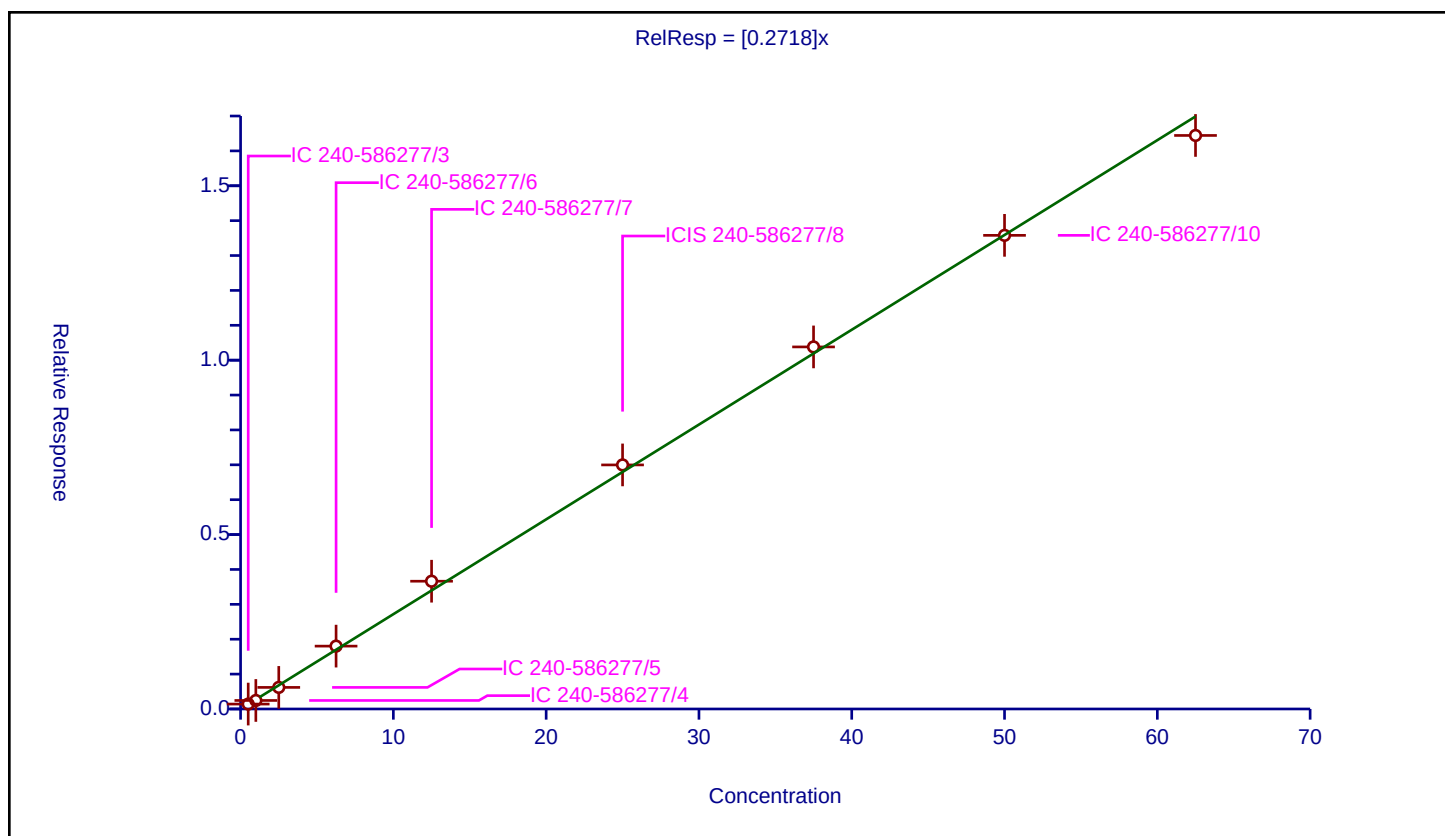
Curve Coefficients

Intercept: 0
Slope: 0.2718

Error Coefficients

Standard Error: 383000
Relative Standard Error: 6.3
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.140819	25.0	1051879.0	0.281639	Y
2	IC 240-586277/4	1.0	0.243995	25.0	1049917.0	0.243995	Y
3	IC 240-586277/5	2.5	0.619141	25.0	1064862.0	0.247657	Y
4	IC 240-586277/6	6.25	1.802681	25.0	1073762.0	0.288429	Y
5	IC 240-586277/7	12.5	3.663098	25.0	1059322.0	0.293048	Y
6	ICIS 240-586277/8	25.0	6.997516	25.0	1094885.0	0.279901	Y
7	IC 240-586277/9	37.5	10.379989	25.0	1049334.0	0.2768	Y
8	IC 240-586277/10	50.0	13.578826	25.0	1071987.0	0.271577	Y
9	IC 240-586277/11	62.5	16.442862	25.0	1096006.0	0.263086	Y



Calibration

/ Bromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

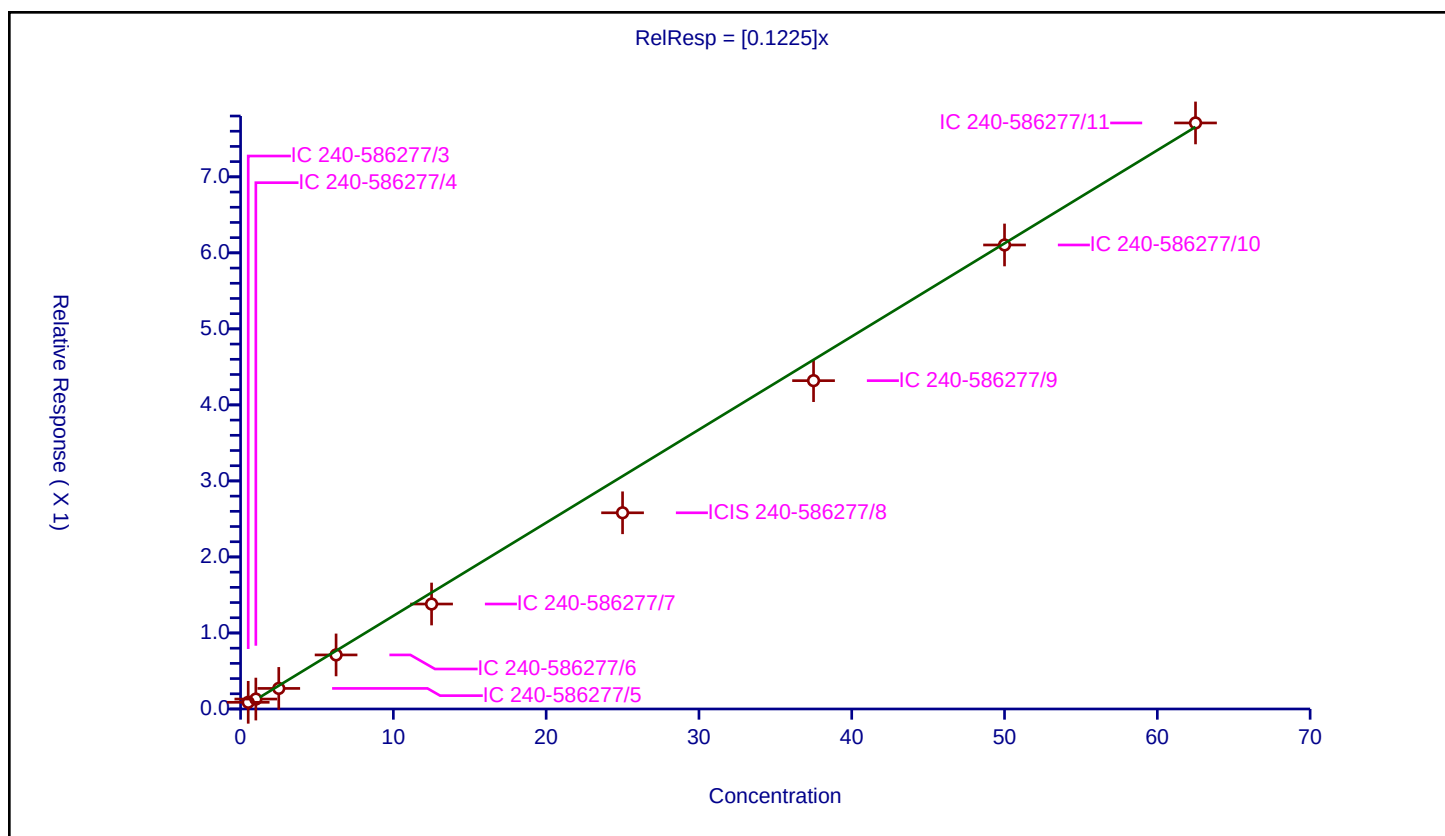
Curve Coefficients

Intercept: 0
Slope: 0.1225

Error Coefficients

Standard Error: 171000
Relative Standard Error: 17.6
Correlation Coefficient: 0.995
Coefficient of Determination (Adjusted): 0.952

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.087724	25.0	1051879.0	0.175448	Y
2	IC 240-586277/4	1.0	0.130677	25.0	1049917.0	0.130677	Y
3	IC 240-586277/5	2.5	0.270645	25.0	1064862.0	0.108258	Y
4	IC 240-586277/6	6.25	0.711284	25.0	1073762.0	0.113805	Y
5	IC 240-586277/7	12.5	1.380978	25.0	1059322.0	0.110478	Y
6	ICIS 240-586277/8	25.0	2.580819	25.0	1094885.0	0.103233	Y
7	IC 240-586277/9	37.5	4.31893	25.0	1049334.0	0.115171	Y
8	IC 240-586277/10	50.0	6.103805	25.0	1071987.0	0.122076	Y
9	IC 240-586277/11	62.5	7.708648	25.0	1096006.0	0.123338	Y



Calibration

/ Chloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

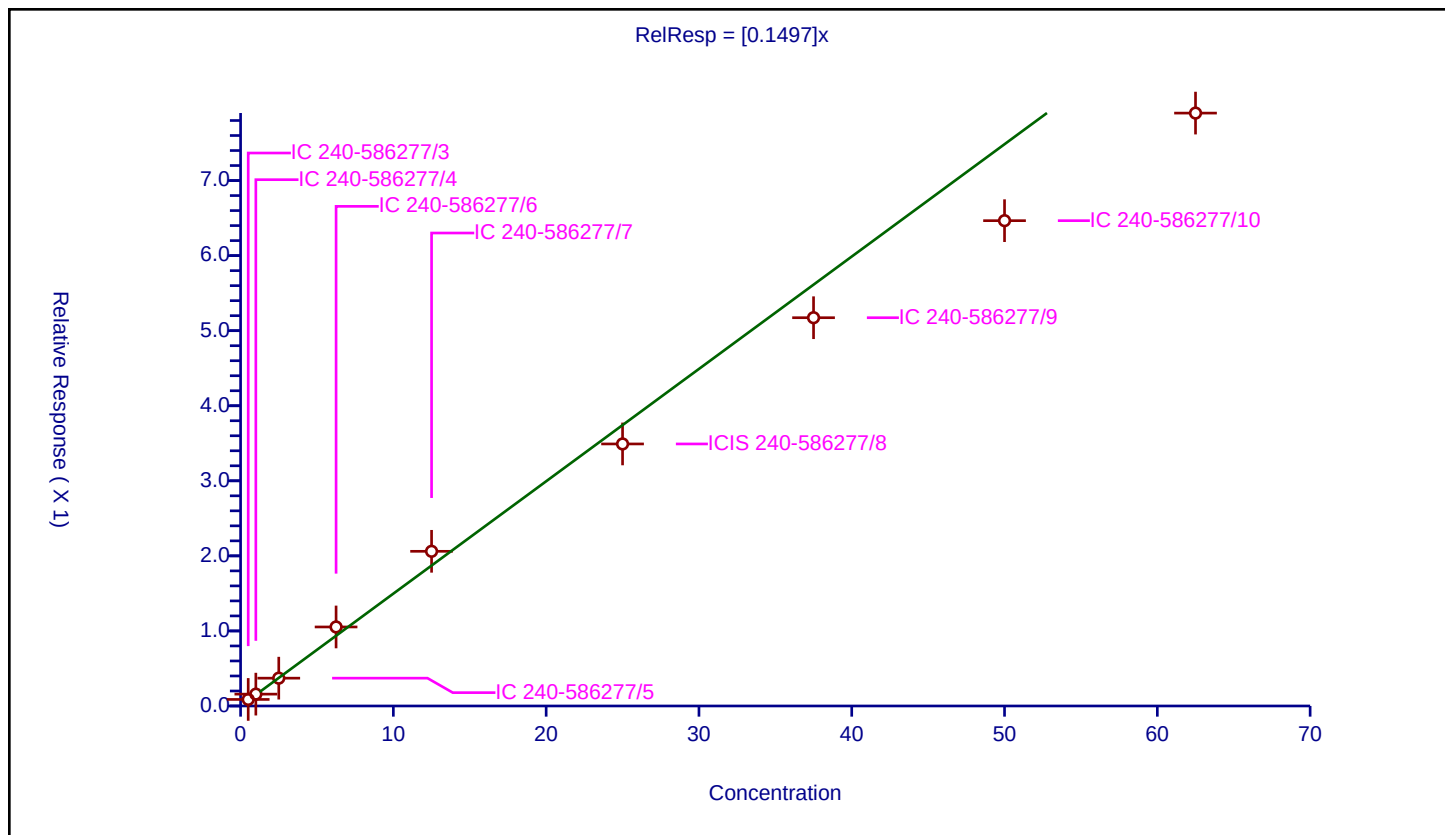
Curve Coefficients

Intercept: 0
Slope: 0.1497

Error Coefficients

Standard Error: 186000
Relative Standard Error: 11.7
Correlation Coefficient: 0.997
Coefficient of Determination (Adjusted): 0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.087177	25.0	1051879.0	0.174355	Y
2	IC 240-586277/4	1.0	0.15787	25.0	1049917.0	0.15787	Y
3	IC 240-586277/5	2.5	0.370846	25.0	1064862.0	0.148338	Y
4	IC 240-586277/6	6.25	1.05298	25.0	1073762.0	0.168477	Y
5	IC 240-586277/7	12.5	2.060587	25.0	1059322.0	0.164847	Y
6	ICIS 240-586277/8	25.0	3.491143	25.0	1094885.0	0.139646	Y
7	IC 240-586277/9	37.5	5.172852	25.0	1049334.0	0.137943	Y
8	IC 240-586277/10	50.0	6.465633	25.0	1071987.0	0.129313	Y
9	IC 240-586277/11	62.5	7.898953	25.0	1096006.0	0.126383	Y



Calibration

/ Trichlorofluoromethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

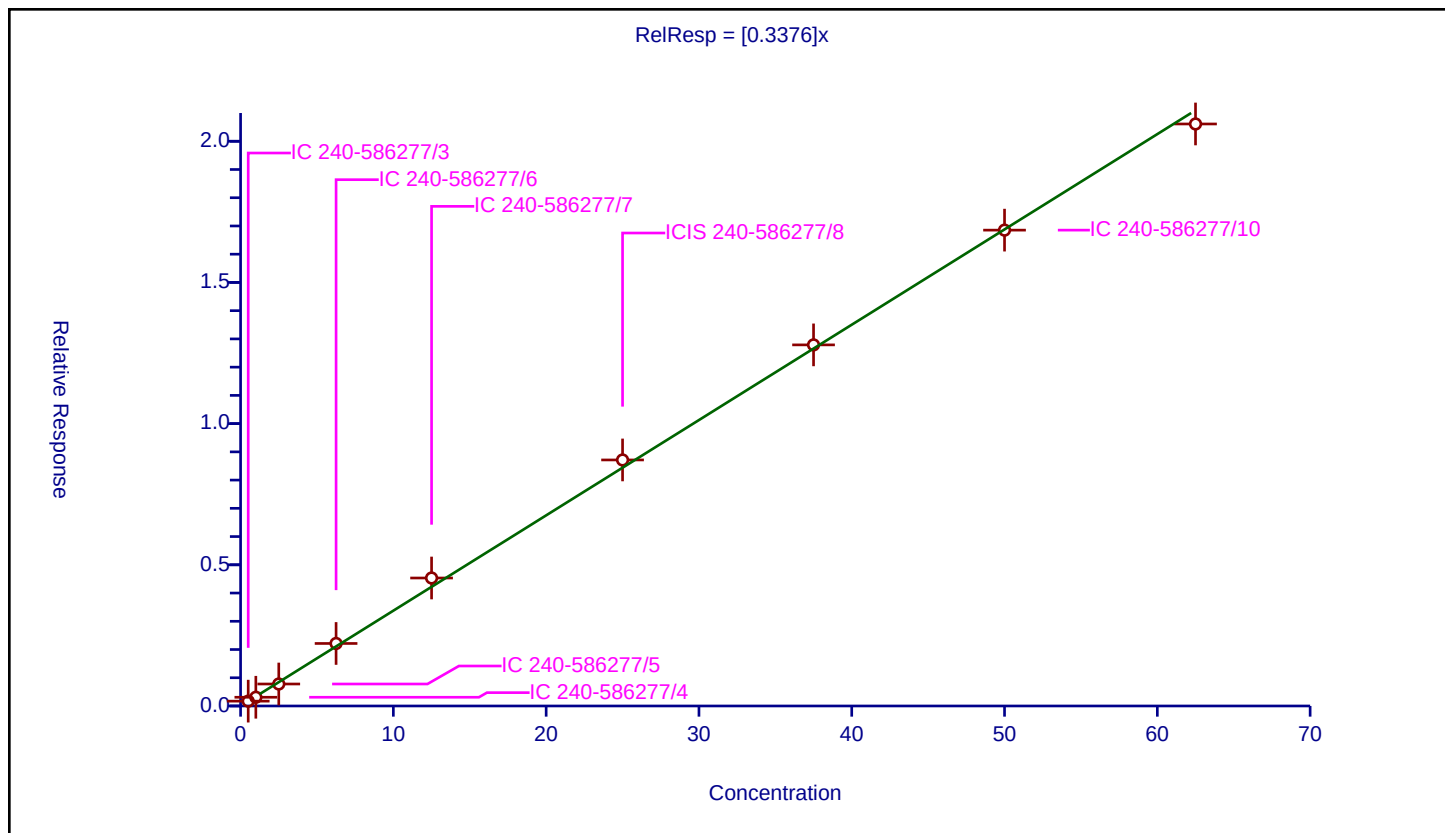
Curve Coefficients

Intercept: 0
 Slope: 0.3376

Error Coefficients

Standard Error: 477000
 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 240-586277/3	0.5	0.17174	25.0	1051879.0	0.343481	Y
2	IC 240-586277/4	1.0	0.309715	25.0	1049917.0	0.309715	Y
3	IC 240-586277/5	2.5	0.778669	25.0	1064862.0	0.311468	Y
4	IC 240-586277/6	6.25	2.21448	25.0	1073762.0	0.354317	Y
5	IC 240-586277/7	12.5	4.532475	25.0	1059322.0	0.362598	Y
6	ICIS 240-586277/8	25.0	8.71297	25.0	1094885.0	0.348519	Y
7	IC 240-586277/9	37.5	12.788064	25.0	1049334.0	0.341015	Y
8	IC 240-586277/10	50.0	16.852233	25.0	1071987.0	0.337045	Y
9	IC 240-586277/11	62.5	20.612296	25.0	1096006.0	0.329797	Y



Calibration

/ Dichlorofluoromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

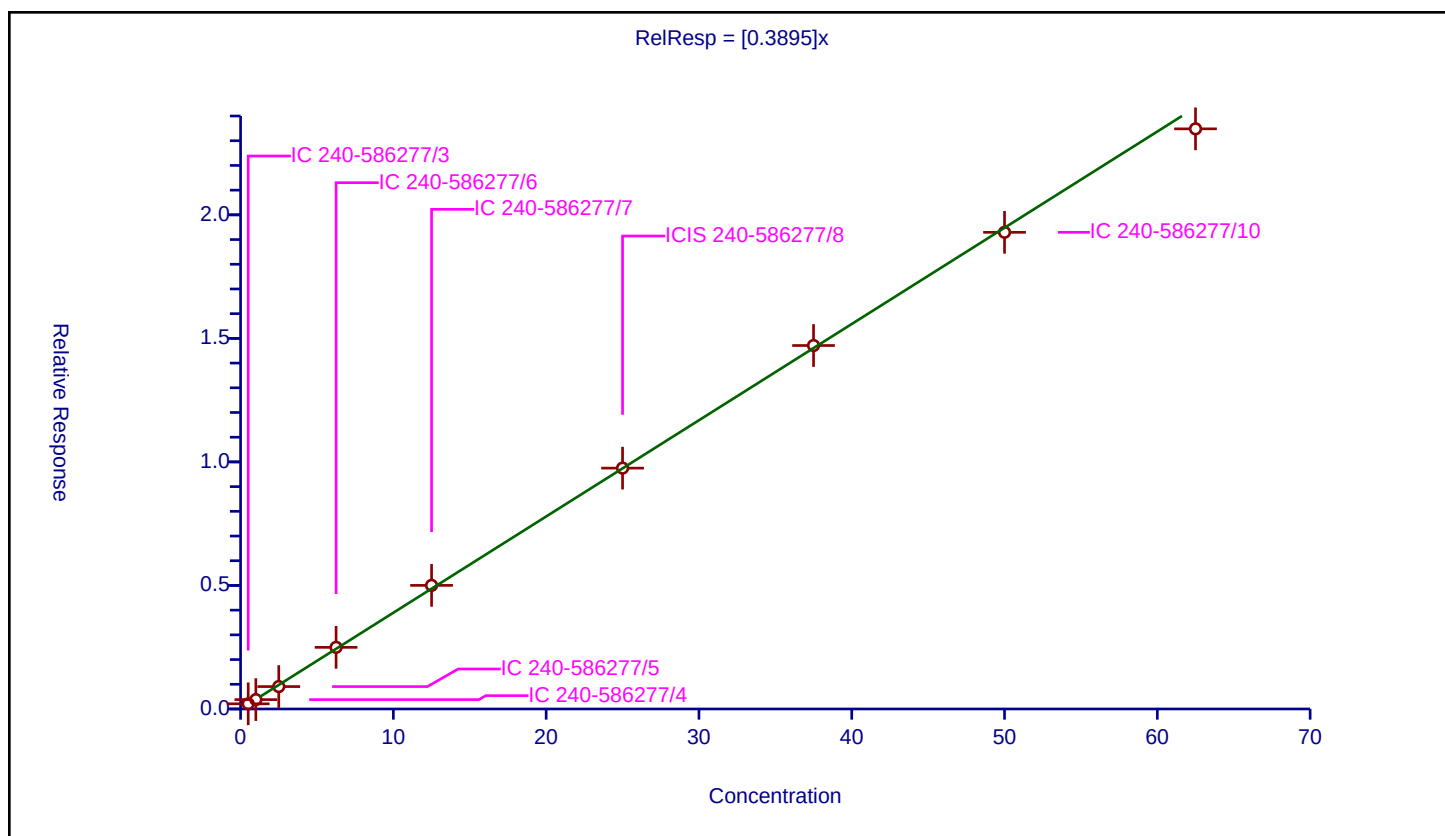
Curve Coefficients

Intercept: 0
Slope: 0.3895

Error Coefficients

Standard Error: 544000
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 240-586277/3	0.5	0.210148	25.0	1051879.0	0.420295	Y
2	IC 240-586277/4	1.0	0.37922	25.0	1049917.0	0.37922	Y
3	IC 240-586277/5	2.5	0.907559	25.0	1064862.0	0.363024	Y
4	IC 240-586277/6	6.25	2.495339	25.0	1073762.0	0.399254	Y
5	IC 240-586277/7	12.5	5.002846	25.0	1059322.0	0.400228	Y
6	ICIS 240-586277/8	25.0	9.749175	25.0	1094885.0	0.389967	Y
7	IC 240-586277/9	37.5	14.711117	25.0	1049334.0	0.392296	Y
8	IC 240-586277/10	50.0	19.293494	25.0	1071987.0	0.38587	Y
9	IC 240-586277/11	62.5	23.48046	25.0	1096006.0	0.375687	Y



Calibration

/ Ethyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

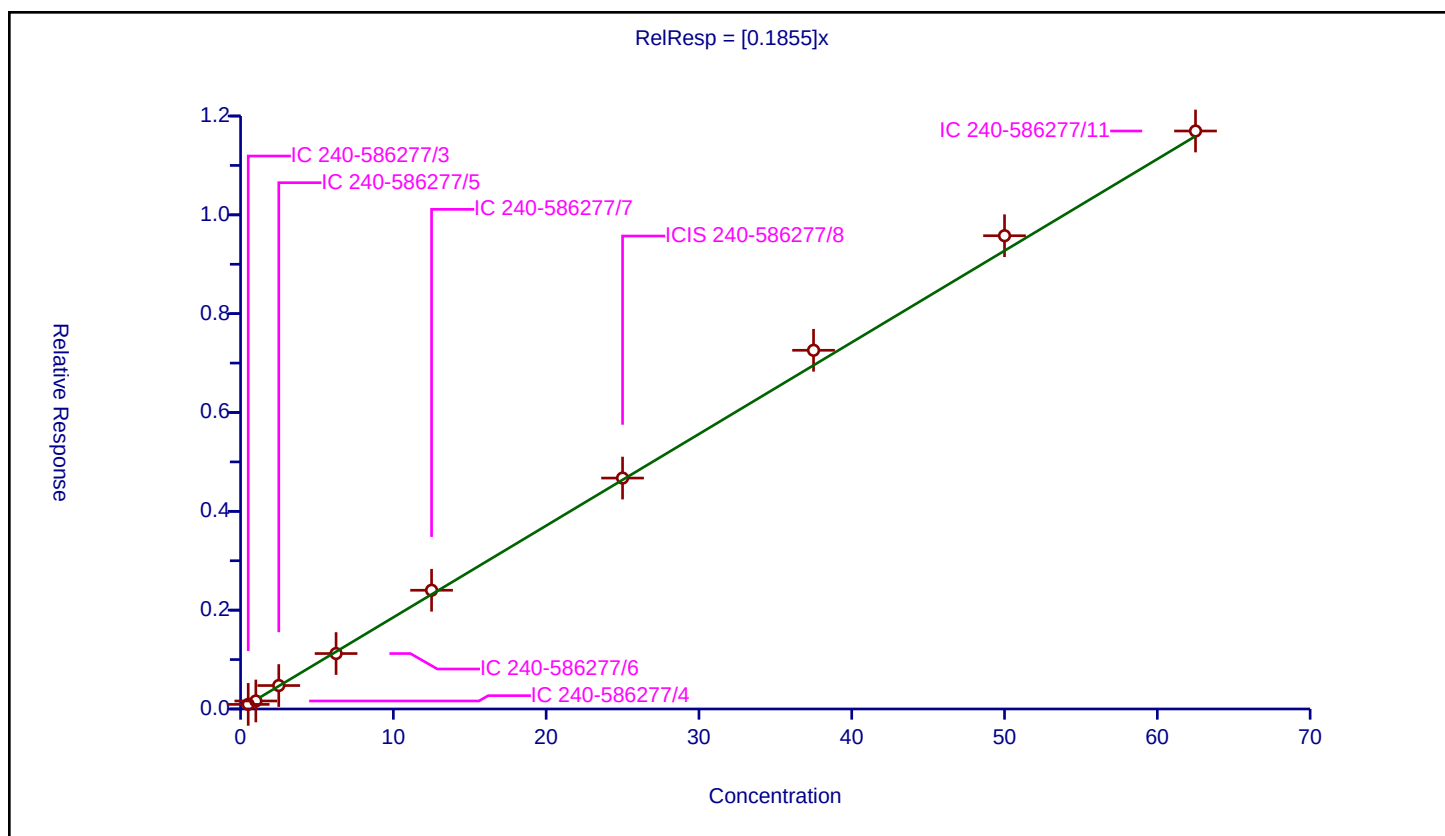
Curve Coefficients

Intercept: 0
Slope: 0.1855

Error Coefficients

Standard Error: 269000
Relative Standard Error: 5.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.093214	25.0	1051879.0	0.186428	Y
2	IC 240-586277/4	1.0	0.16206	25.0	1049917.0	0.16206	Y
3	IC 240-586277/5	2.5	0.474662	25.0	1064862.0	0.189865	Y
4	IC 240-586277/6	6.25	1.121943	25.0	1073762.0	0.179511	Y
5	IC 240-586277/7	12.5	2.402881	25.0	1059322.0	0.192231	Y
6	ICIS 240-586277/8	25.0	4.673162	25.0	1094885.0	0.186926	Y
7	IC 240-586277/9	37.5	7.259247	25.0	1049334.0	0.19358	Y
8	IC 240-586277/10	50.0	9.577611	25.0	1071987.0	0.191552	Y
9	IC 240-586277/11	62.5	11.69672	25.0	1096006.0	0.187148	Y



Calibration

/ 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

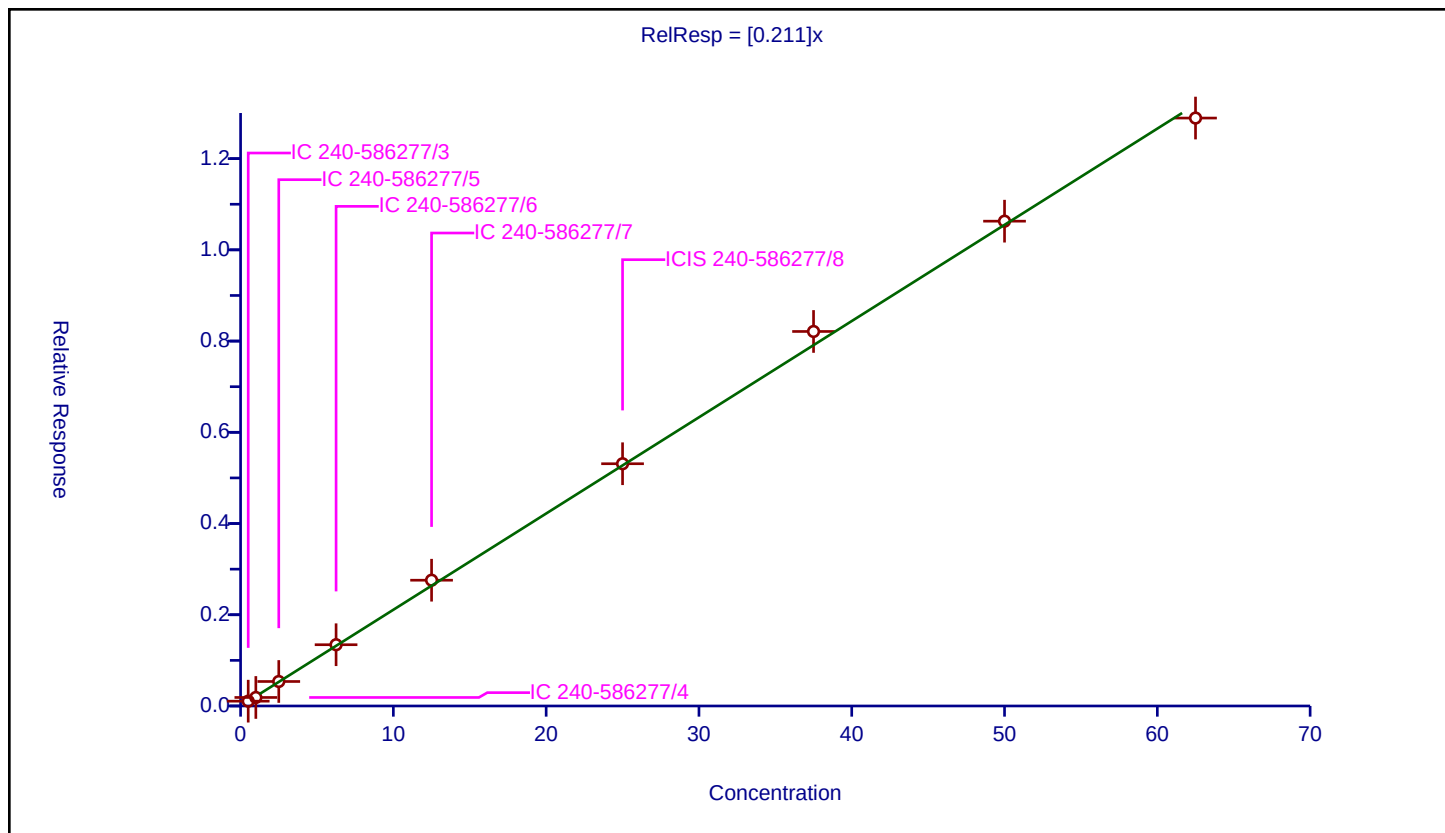
Curve Coefficients

Intercept: 0
Slope: 0.211

Error Coefficients

Standard Error: 299000
Relative Standard Error: 4.7
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.105644	25.0	1051879.0	0.211289	Y
2	IC 240-586277/4	1.0	0.186848	25.0	1049917.0	0.186848	Y
3	IC 240-586277/5	2.5	0.537065	25.0	1064862.0	0.214826	Y
4	IC 240-586277/6	6.25	1.343105	25.0	1073762.0	0.214897	Y
5	IC 240-586277/7	12.5	2.75766	25.0	1059322.0	0.220613	Y
6	ICIS 240-586277/8	25.0	5.310786	25.0	1094885.0	0.212431	Y
7	IC 240-586277/9	37.5	8.210636	25.0	1049334.0	0.21895	Y
8	IC 240-586277/10	50.0	10.62851	25.0	1071987.0	0.21257	Y
9	IC 240-586277/11	62.5	12.889596	25.0	1096006.0	0.206234	Y



Calibration

/ Acrolein

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

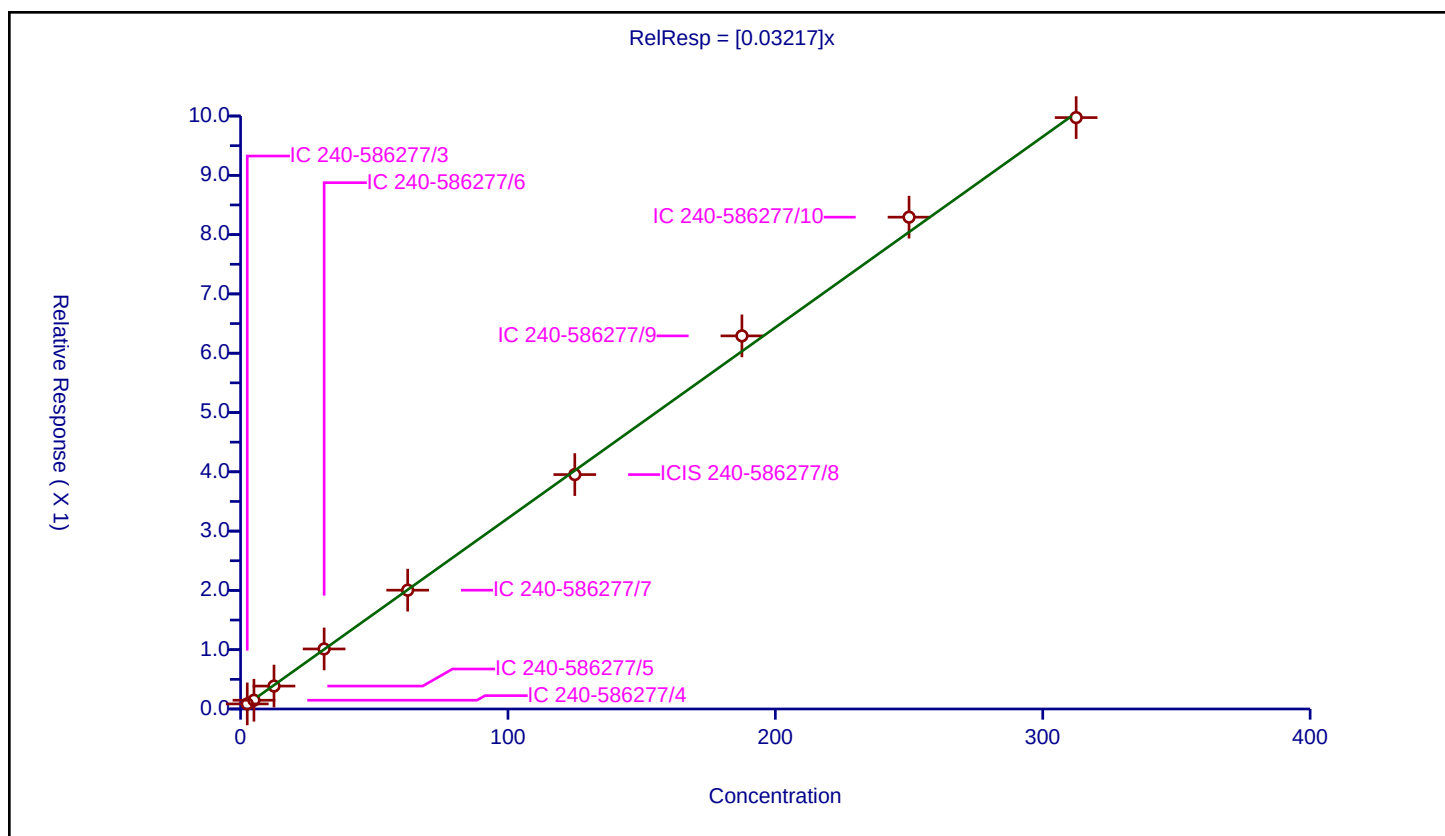
Curve Coefficients

Intercept: 0
Slope: 0.03217

Error Coefficients

Standard Error: 231000
Relative Standard Error: 4.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	2.5	0.08587	25.0	1051879.0	0.034348	Y
2	IC 240-586277/4	5.0	0.147774	25.0	1049917.0	0.029555	Y
3	IC 240-586277/5	12.5	0.386318	25.0	1064862.0	0.030905	Y
4	IC 240-586277/6	31.25	1.012468	25.0	1073762.0	0.032399	Y
5	IC 240-586277/7	62.5	2.003546	25.0	1059322.0	0.032057	Y
6	ICIS 240-586277/8	125.0	3.953201	25.0	1094885.0	0.031626	Y
7	IC 240-586277/9	187.5	6.292182	25.0	1049334.0	0.033558	Y
8	IC 240-586277/10	250.0	8.29406	25.0	1071987.0	0.033176	Y
9	IC 240-586277/11	312.5	9.973257	25.0	1096006.0	0.031914	Y



Calibration

/ 1,1-Dichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

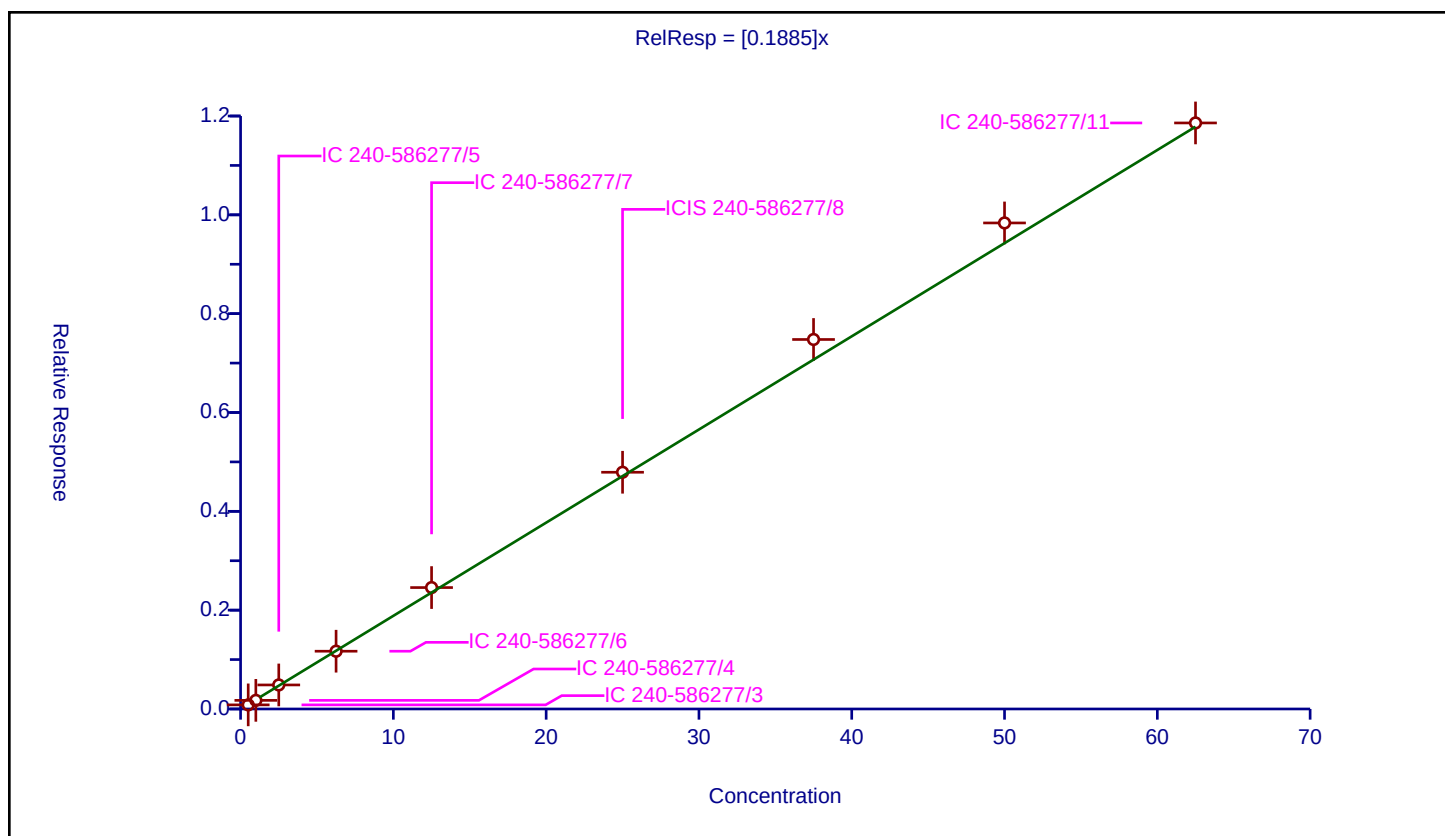
Curve Coefficients

Intercept: 0
Slope: 0.1885

Error Coefficients

Standard Error: 275000
Relative Standard Error: 5.9
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.083113	25.0	1051879.0	0.166226	Y
2	IC 240-586277/4	1.0	0.174776	25.0	1049917.0	0.174776	Y
3	IC 240-586277/5	2.5	0.486683	25.0	1064862.0	0.194673	Y
4	IC 240-586277/6	6.25	1.169044	25.0	1073762.0	0.187047	Y
5	IC 240-586277/7	12.5	2.457043	25.0	1059322.0	0.196563	Y
6	ICIS 240-586277/8	25.0	4.790823	25.0	1094885.0	0.191633	Y
7	IC 240-586277/9	37.5	7.477457	25.0	1049334.0	0.199399	Y
8	IC 240-586277/10	50.0	9.83622	25.0	1071987.0	0.196724	Y
9	IC 240-586277/11	62.5	11.859538	25.0	1096006.0	0.189753	Y



Calibration

/ Acetone

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

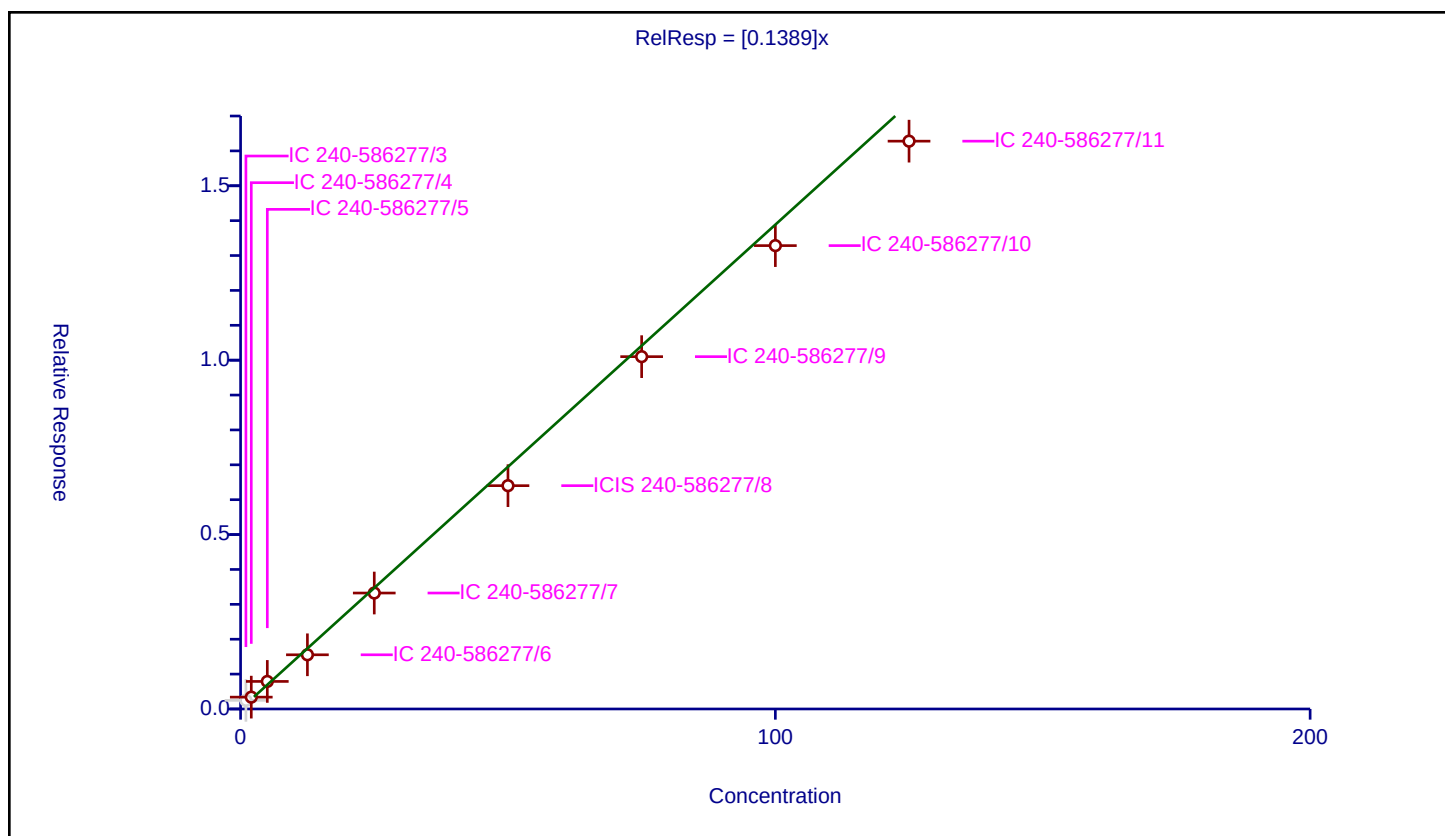
Curve Coefficients

Intercept: 0
Slope: 0.1389

Error Coefficients

Standard Error: 400000
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 240-586277/3	1.0	0.246987	25.0	1051879.0	0.246987	N
2	IC 240-586277/4	2.0	0.339598	25.0	1049917.0	0.169799	Y
3	IC 240-586277/5	5.0	0.789844	25.0	1064862.0	0.157969	Y
4	IC 240-586277/6	12.5	1.553976	25.0	1073762.0	0.124318	Y
5	IC 240-586277/7	25.0	3.324296	25.0	1059322.0	0.132972	Y
6	ICIS 240-586277/8	50.0	6.402019	25.0	1094885.0	0.12804	Y
7	IC 240-586277/9	75.0	10.101288	25.0	1049334.0	0.134684	Y
8	IC 240-586277/10	100.0	13.28435	25.0	1071987.0	0.132843	Y
9	IC 240-586277/11	125.0	16.279222	25.0	1096006.0	0.130234	Y



Calibration

/ Iodomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

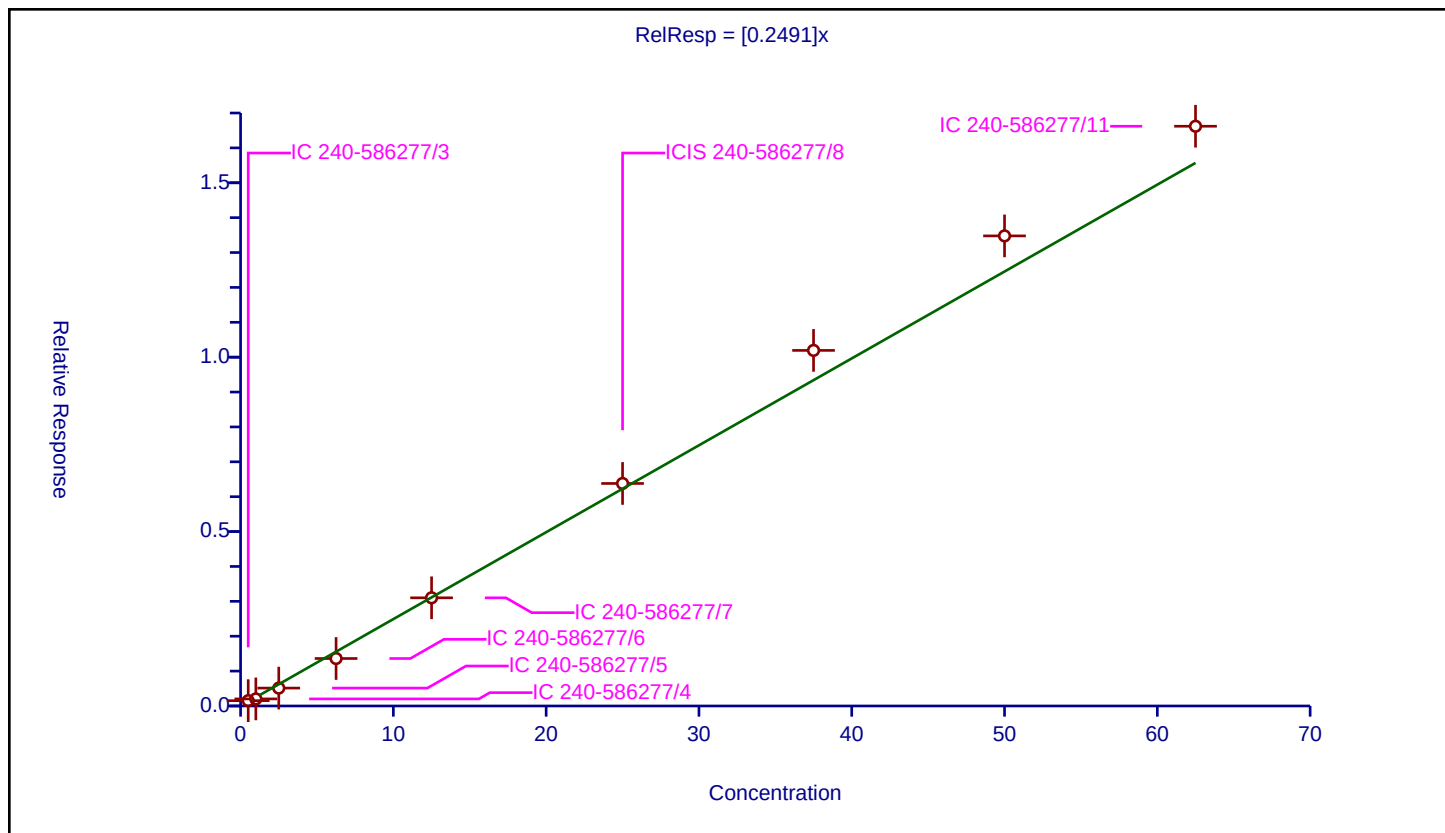
Curve Coefficients

Intercept: 0
 Slope: 0.2491

Error Coefficients

Standard Error: 379000
 Relative Standard Error: 13.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.152513	25.0	1051879.0	0.305026	Y
2	IC 240-586277/4	1.0	0.203278	25.0	1049917.0	0.203278	Y
3	IC 240-586277/5	2.5	0.513259	25.0	1064862.0	0.205304	Y
4	IC 240-586277/6	6.25	1.360893	25.0	1073762.0	0.217743	Y
5	IC 240-586277/7	12.5	3.10137	25.0	1059322.0	0.24811	Y
6	ICIS 240-586277/8	25.0	6.379688	25.0	1094885.0	0.255188	Y
7	IC 240-586277/9	37.5	10.194037	25.0	1049334.0	0.271841	Y
8	IC 240-586277/10	50.0	13.476796	25.0	1071987.0	0.269536	Y
9	IC 240-586277/11	62.5	16.620438	25.0	1096006.0	0.265927	Y



Calibration

/ Carbon disulfide

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

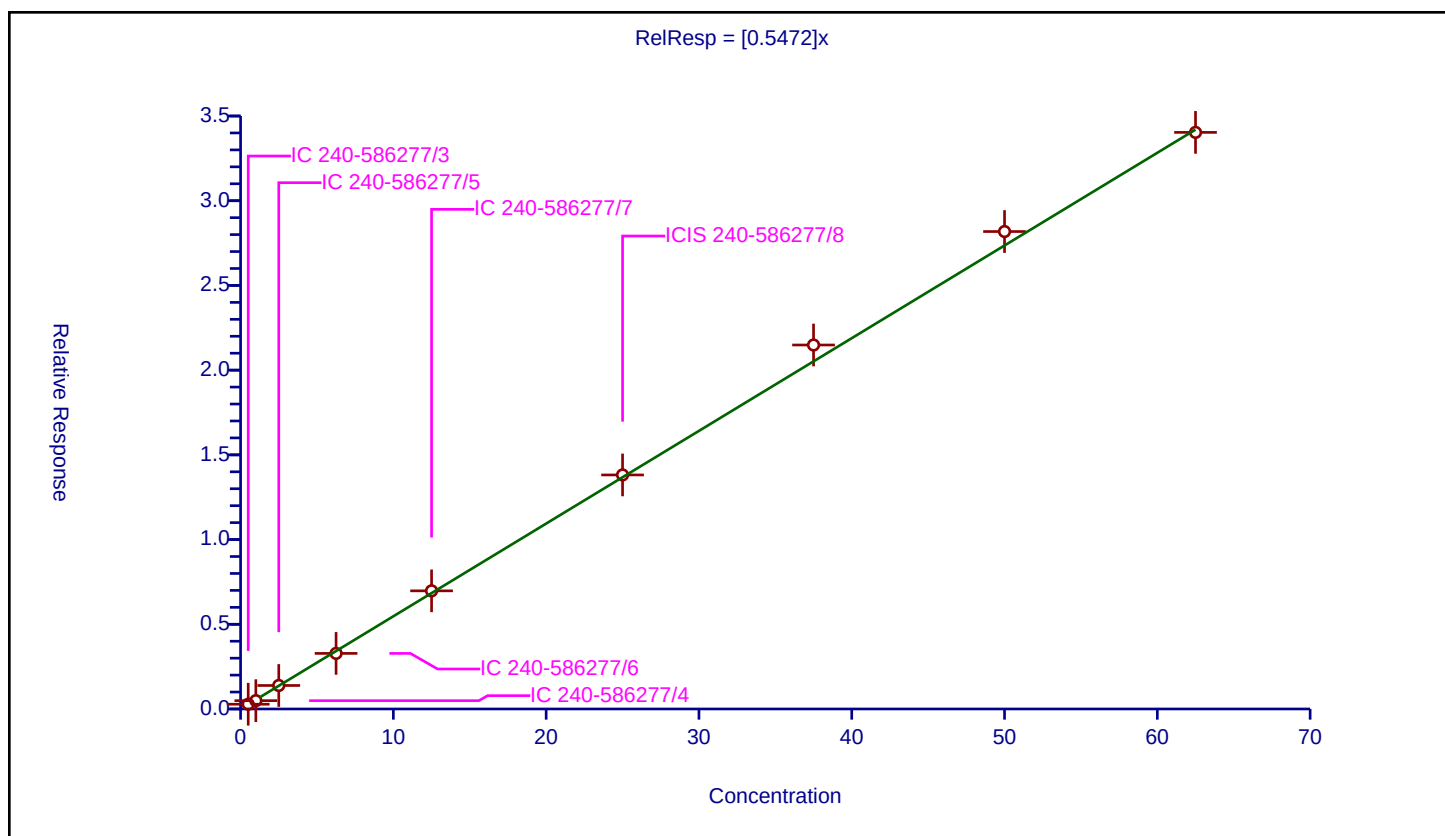
Curve Coefficients

Intercept: 0
Slope: 0.5472

Error Coefficients

Standard Error: 789000
Relative Standard Error: 4.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.280332	25.0	1051879.0	0.560663	Y
2	IC 240-586277/4	1.0	0.492467	25.0	1049917.0	0.492467	Y
3	IC 240-586277/5	2.5	1.387386	25.0	1064862.0	0.554955	Y
4	IC 240-586277/6	6.25	3.280313	25.0	1073762.0	0.52485	Y
5	IC 240-586277/7	12.5	6.972903	25.0	1059322.0	0.557832	Y
6	ICIS 240-586277/8	25.0	13.814099	25.0	1094885.0	0.552564	Y
7	IC 240-586277/9	37.5	21.484008	25.0	1049334.0	0.572907	Y
8	IC 240-586277/10	50.0	28.182128	25.0	1071987.0	0.563643	Y
9	IC 240-586277/11	62.5	34.033185	25.0	1096006.0	0.544531	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

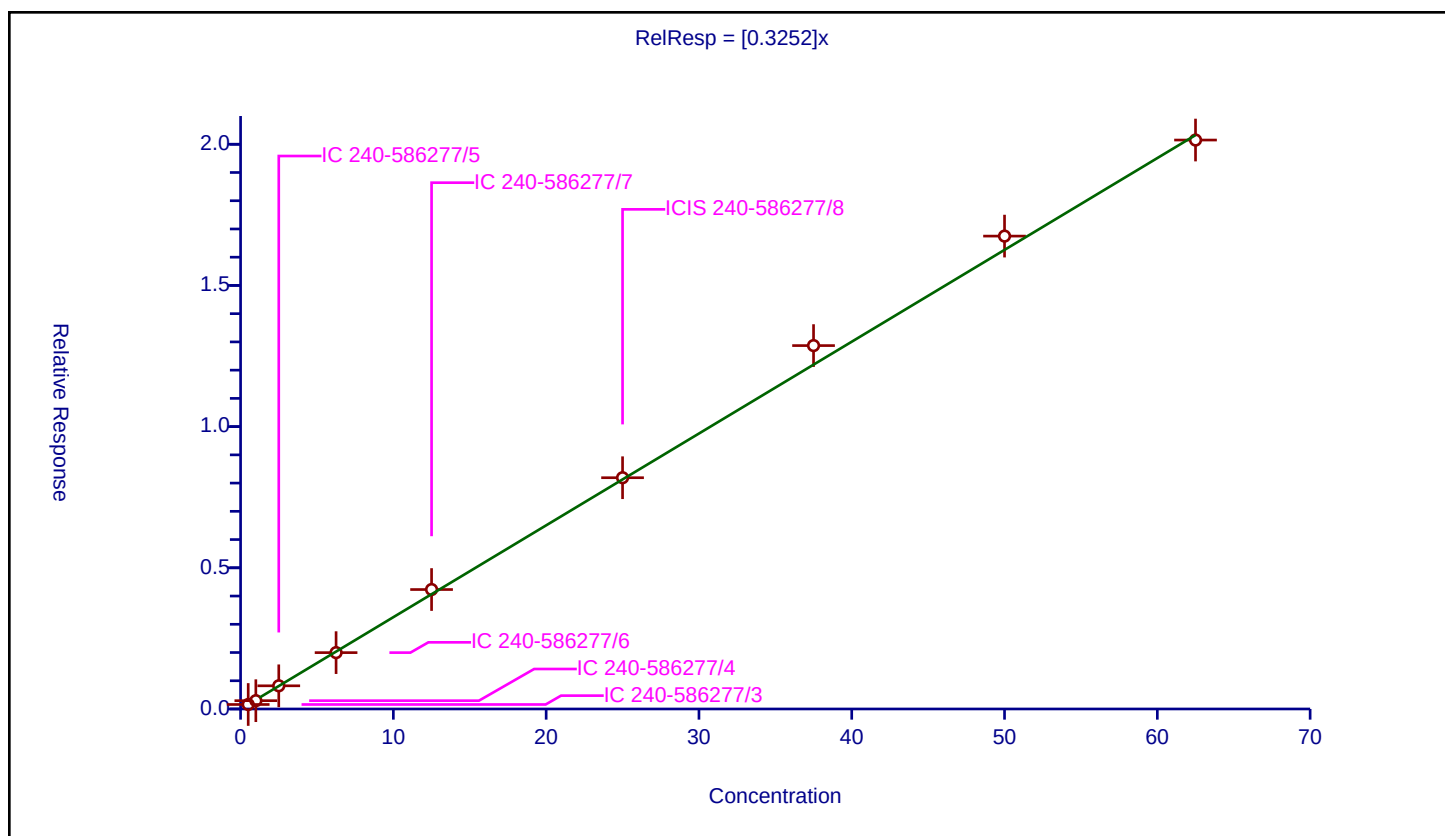
Curve Coefficients

Intercept: 0
Slope: 0.3252

Error Coefficients

Standard Error: 469000
Relative Standard Error: 4.4
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.158835	25.0	1051879.0	0.31767	Y
2	IC 240-586277/4	1.0	0.294571	25.0	1049917.0	0.294571	Y
3	IC 240-586277/5	2.5	0.821069	25.0	1064862.0	0.328428	Y
4	IC 240-586277/6	6.25	1.996159	25.0	1073762.0	0.319385	Y
5	IC 240-586277/7	12.5	4.230064	25.0	1059322.0	0.338405	Y
6	ICIS 240-586277/8	25.0	8.189924	25.0	1094885.0	0.327597	Y
7	IC 240-586277/9	37.5	12.870092	25.0	1049334.0	0.343202	Y
8	IC 240-586277/10	50.0	16.747031	25.0	1071987.0	0.334941	Y
9	IC 240-586277/11	62.5	20.148772	25.0	1096006.0	0.32238	Y



Calibration

/ Methyl acetate

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

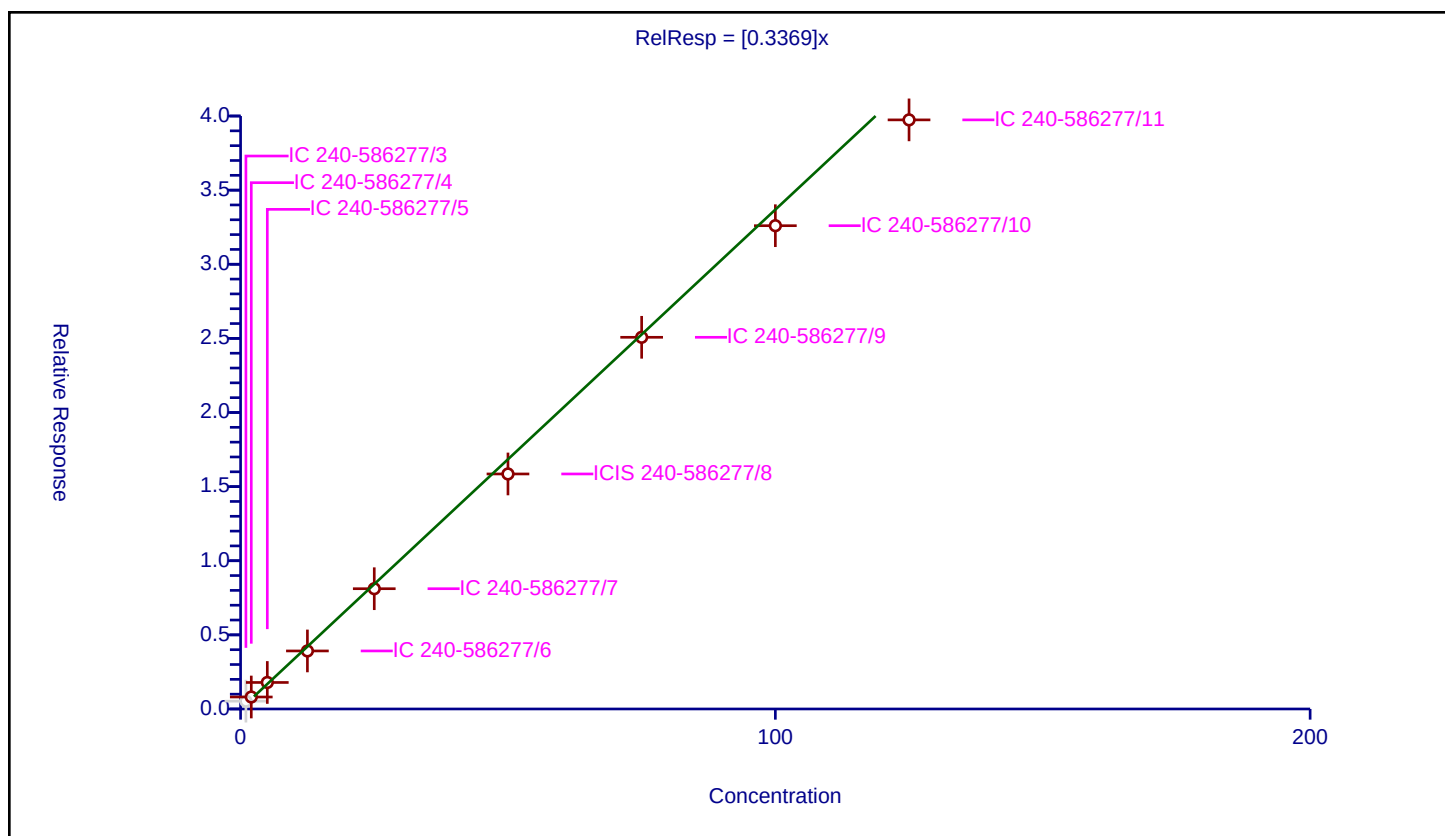
Curve Coefficients

Intercept: 0
 Slope: 0.3369

Error Coefficients

Standard Error: 981000
 Relative Standard Error: 9.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	1.0	0.528459	25.0	1051879.0	0.528459	N
2	IC 240-586277/4	2.0	0.807826	25.0	1049917.0	0.403913	Y
3	IC 240-586277/5	5.0	1.789739	25.0	1064862.0	0.357948	Y
4	IC 240-586277/6	12.5	3.914368	25.0	1073762.0	0.313149	Y
5	IC 240-586277/7	25.0	8.112854	25.0	1059322.0	0.324514	Y
6	ICIS 240-586277/8	50.0	15.854336	25.0	1094885.0	0.317087	Y
7	IC 240-586277/9	75.0	25.07307	25.0	1049334.0	0.334308	Y
8	IC 240-586277/10	100.0	32.601188	25.0	1071987.0	0.326012	Y
9	IC 240-586277/11	125.0	39.739792	25.0	1096006.0	0.317918	Y



Calibration

/ Methylene Chloride

Curve Type: Linear
Weighting: Conc
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

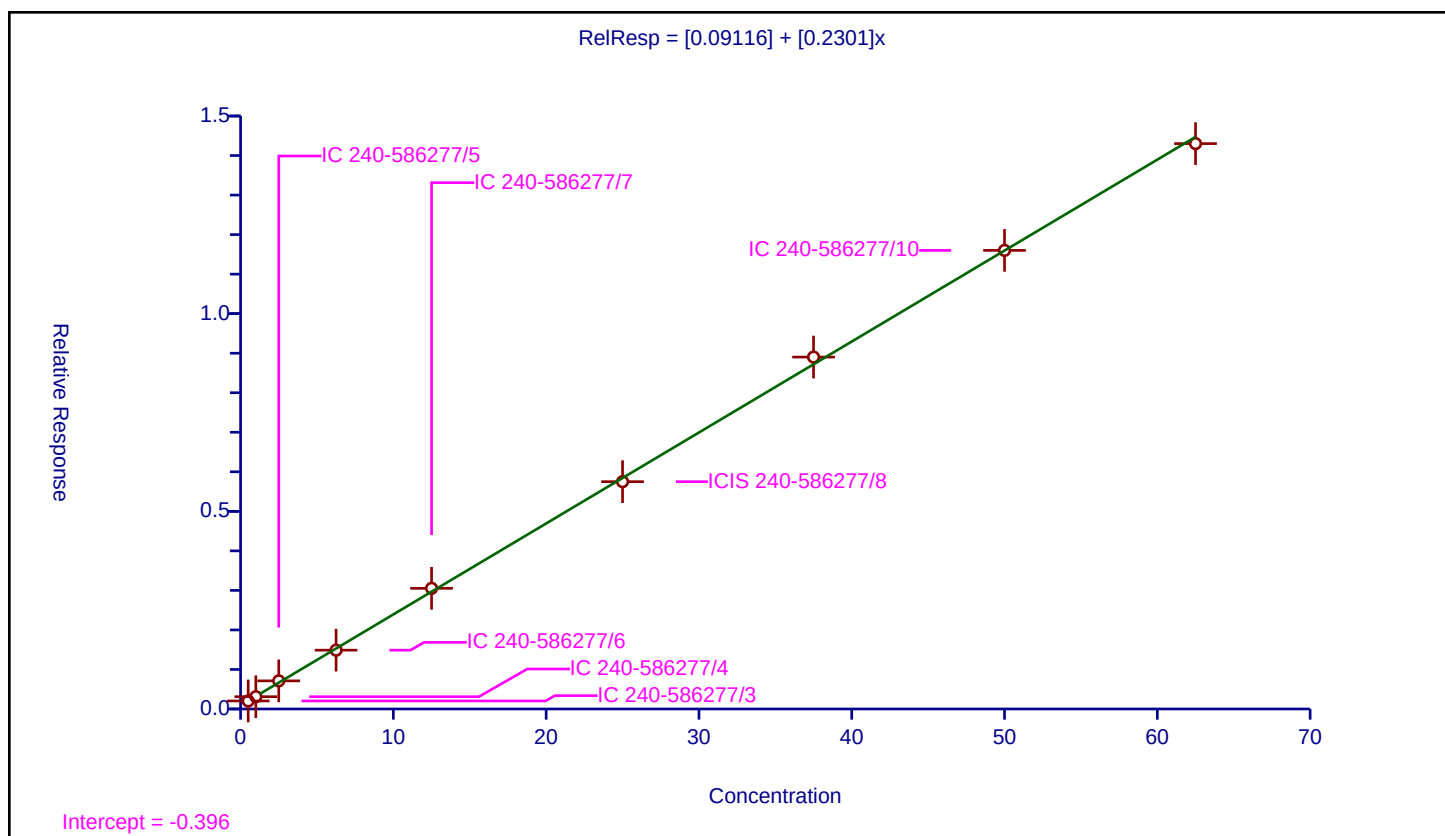
Curve Coefficients

Intercept: 0.09116
Slope: 0.2301

Error Coefficients

Standard Error: 352000
Relative Standard Error: 4.1
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.203255	25.0	1051879.0	0.406511	Y
2	IC 240-586277/4	1.0	0.310358	25.0	1049917.0	0.310358	Y
3	IC 240-586277/5	2.5	0.711595	25.0	1064862.0	0.284638	Y
4	IC 240-586277/6	6.25	1.487597	25.0	1073762.0	0.238016	Y
5	IC 240-586277/7	12.5	3.052164	25.0	1059322.0	0.244173	Y
6	ICIS 240-586277/8	25.0	5.750581	25.0	1094885.0	0.230023	Y
7	IC 240-586277/9	37.5	8.902147	25.0	1049334.0	0.237391	Y
8	IC 240-586277/10	50.0	11.600817	25.0	1071987.0	0.232016	Y
9	IC 240-586277/11	62.5	14.301541	25.0	1096006.0	0.228825	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

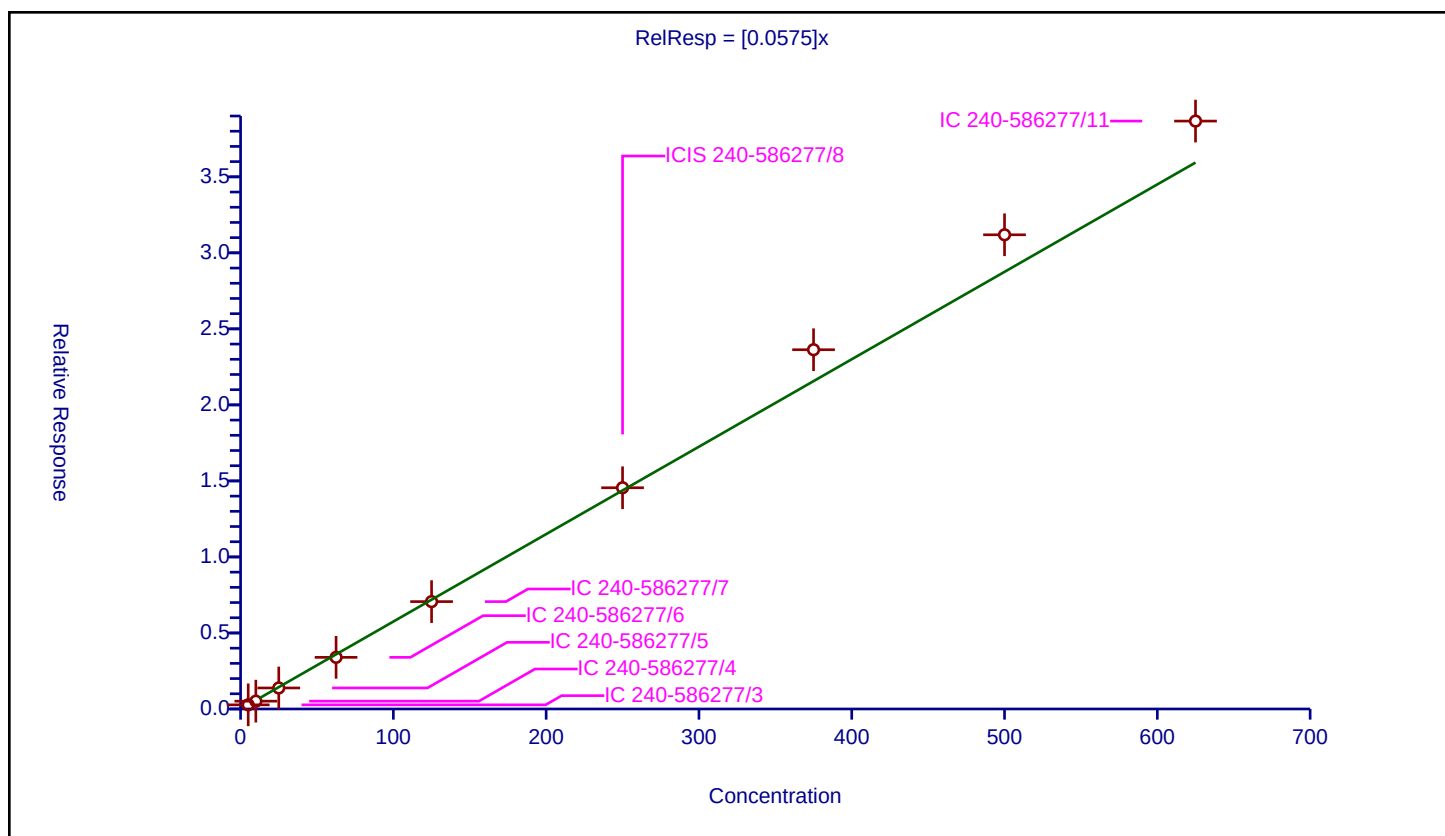
Curve Coefficients

Intercept: 0
Slope: 0.0575

Error Coefficients

Standard Error: 878000
Relative Standard Error: 7.1
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	5.0	0.272061	25.0	1051879.0	0.054412	Y
2	IC 240-586277/4	10.0	0.514945	25.0	1049917.0	0.051495	Y
3	IC 240-586277/5	25.0	1.382855	25.0	1064862.0	0.055314	Y
4	IC 240-586277/6	62.5	3.396097	25.0	1073762.0	0.054338	Y
5	IC 240-586277/7	125.0	7.061734	25.0	1059322.0	0.056494	Y
6	ICIS 240-586277/8	250.0	14.551368	25.0	1094885.0	0.058205	Y
7	IC 240-586277/9	375.0	23.628583	25.0	1049334.0	0.06301	Y
8	IC 240-586277/10	500.0	31.189068	25.0	1071987.0	0.062378	Y
9	IC 240-586277/11	625.0	38.667603	25.0	1096006.0	0.061868	Y



Calibration

/ Methyl tert-butyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

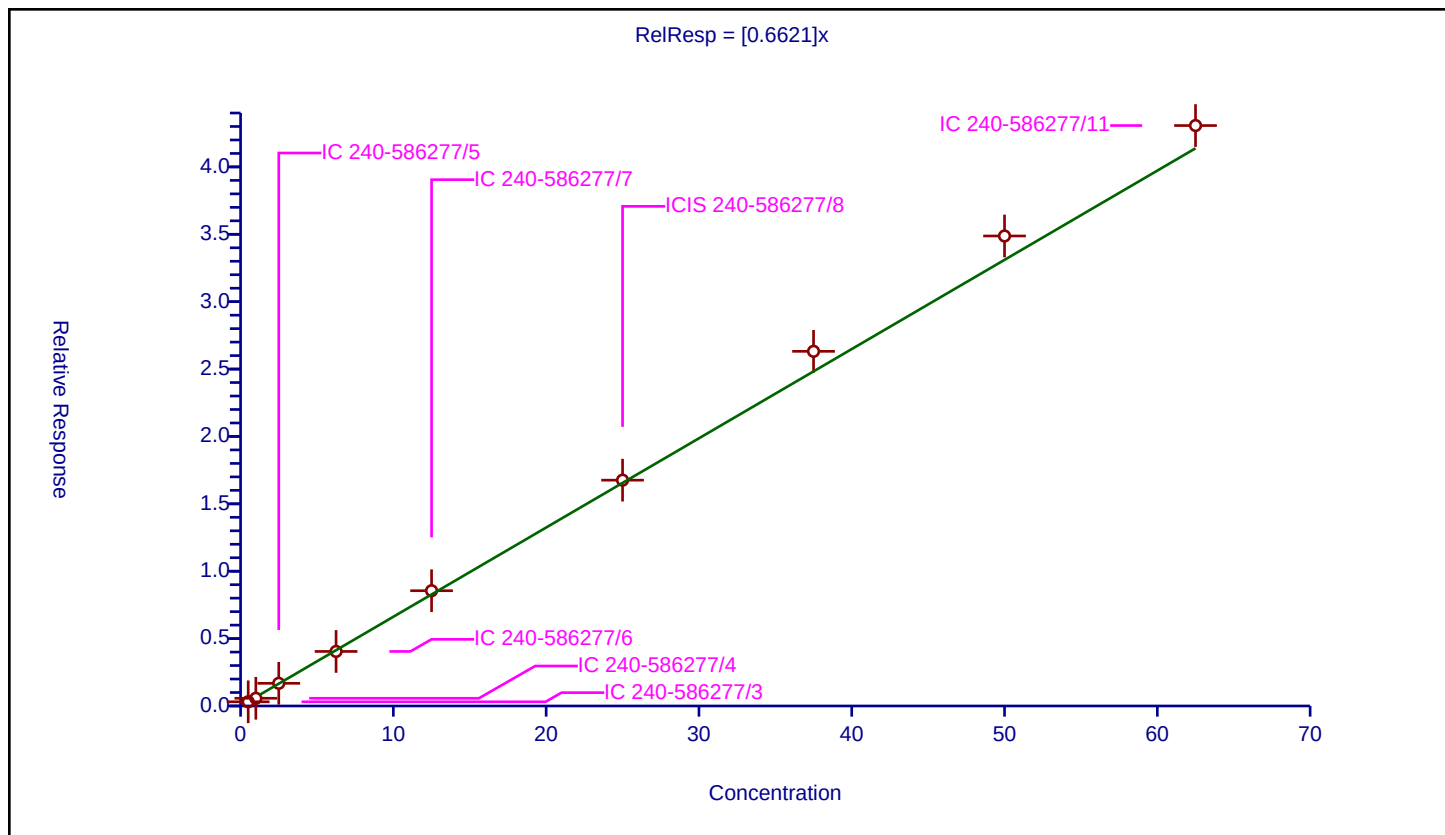
Curve Coefficients

Intercept: 0
Slope: 0.6621

Error Coefficients

Standard Error: 983000
Relative Standard Error: 6.3
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.311157	25.0	1051879.0	0.622315	Y
2	IC 240-586277/4	1.0	0.572688	25.0	1049917.0	0.572688	Y
3	IC 240-586277/5	2.5	1.682753	25.0	1064862.0	0.673101	Y
4	IC 240-586277/6	6.25	4.048406	25.0	1073762.0	0.647745	Y
5	IC 240-586277/7	12.5	8.553513	25.0	1059322.0	0.684281	Y
6	ICIS 240-586277/8	25.0	16.756098	25.0	1094885.0	0.670244	Y
7	IC 240-586277/9	37.5	26.316692	25.0	1049334.0	0.701778	Y
8	IC 240-586277/10	50.0	34.87533	25.0	1071987.0	0.697507	Y
9	IC 240-586277/11	62.5	43.07043	25.0	1096006.0	0.689127	Y



Calibration

/ trans-1,2-Dichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

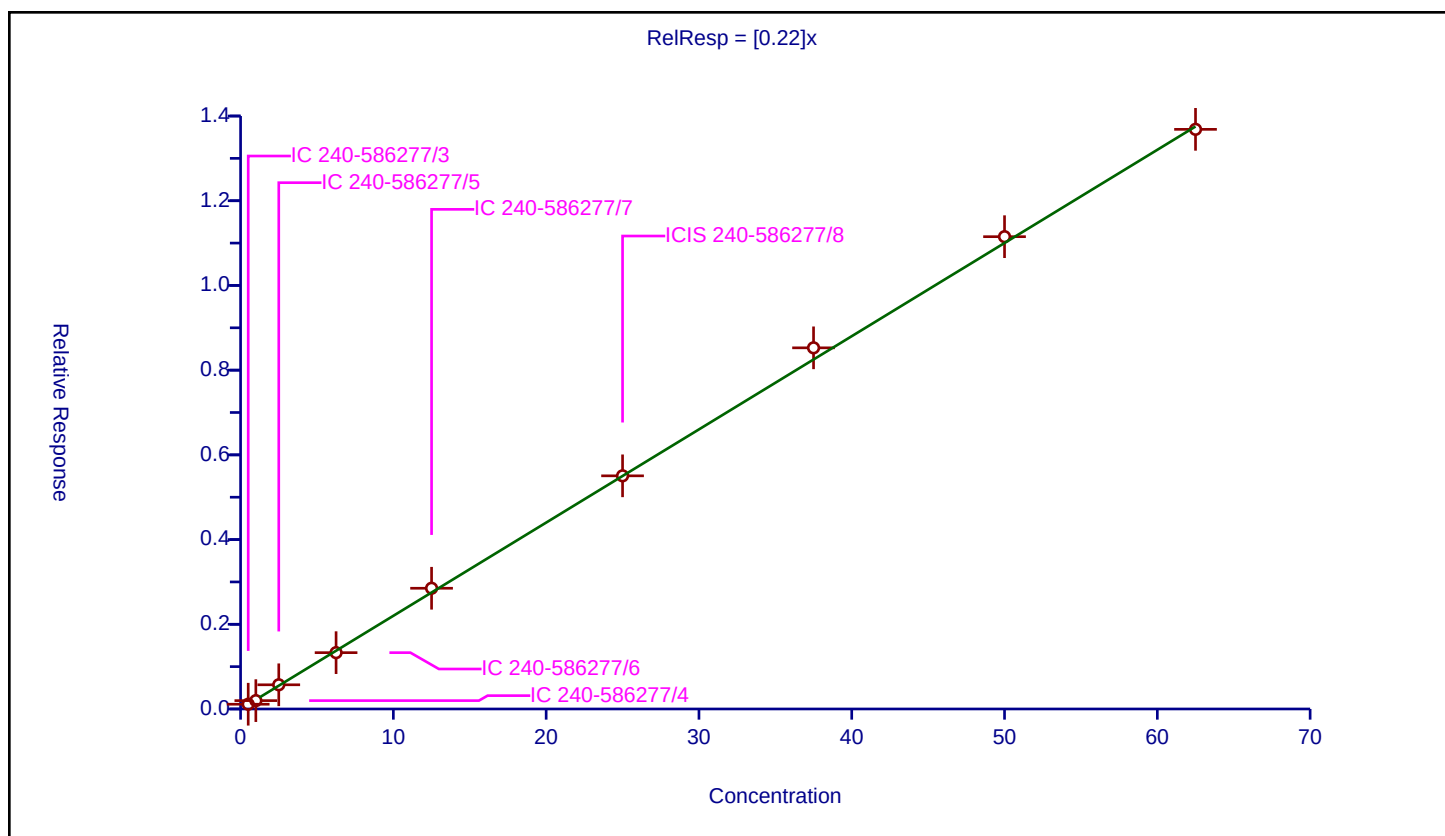
Curve Coefficients

Intercept: 0
Slope: 0.22

Error Coefficients

Standard Error: 315000
Relative Standard Error: 4.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.112109	25.0	1051879.0	0.224218	Y
2	IC 240-586277/4	1.0	0.197206	25.0	1049917.0	0.197206	Y
3	IC 240-586277/5	2.5	0.571389	25.0	1064862.0	0.228555	Y
4	IC 240-586277/6	6.25	1.329811	25.0	1073762.0	0.21277	Y
5	IC 240-586277/7	12.5	2.850691	25.0	1059322.0	0.228055	Y
6	ICIS 240-586277/8	25.0	5.504939	25.0	1094885.0	0.220198	Y
7	IC 240-586277/9	37.5	8.526718	25.0	1049334.0	0.227379	Y
8	IC 240-586277/10	50.0	11.151045	25.0	1071987.0	0.223021	Y
9	IC 240-586277/11	62.5	13.684962	25.0	1096006.0	0.218959	Y



Calibration

/ Acrylonitrile

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

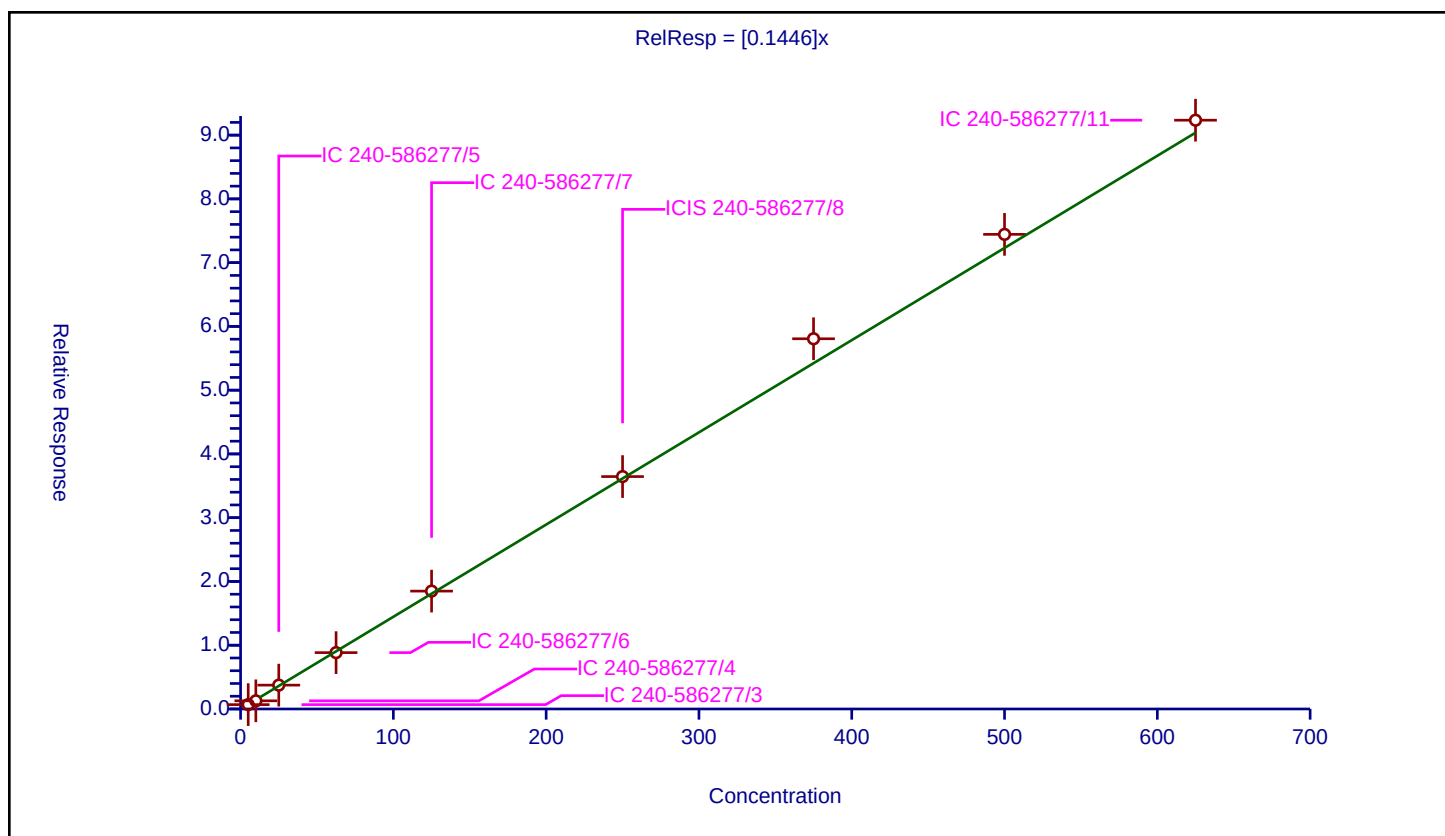
Curve Coefficients

Intercept: 0
Slope: 0.1446

Error Coefficients

Standard Error: 2120000
Relative Standard Error: 5.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	5.0	0.684941	25.0	1051879.0	0.136988	Y
2	IC 240-586277/4	10.0	1.281625	25.0	1049917.0	0.128163	Y
3	IC 240-586277/5	25.0	3.743114	25.0	1064862.0	0.149725	Y
4	IC 240-586277/6	62.5	8.84032	25.0	1073762.0	0.141445	Y
5	IC 240-586277/7	125.0	18.486754	25.0	1059322.0	0.147894	Y
6	ICIS 240-586277/8	250.0	36.451157	25.0	1094885.0	0.145805	Y
7	IC 240-586277/9	375.0	58.064043	25.0	1049334.0	0.154837	Y
8	IC 240-586277/10	500.0	74.43677	25.0	1071987.0	0.148874	Y
9	IC 240-586277/11	625.0	92.34386	25.0	1096006.0	0.14775	Y



Calibration

/ Hexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

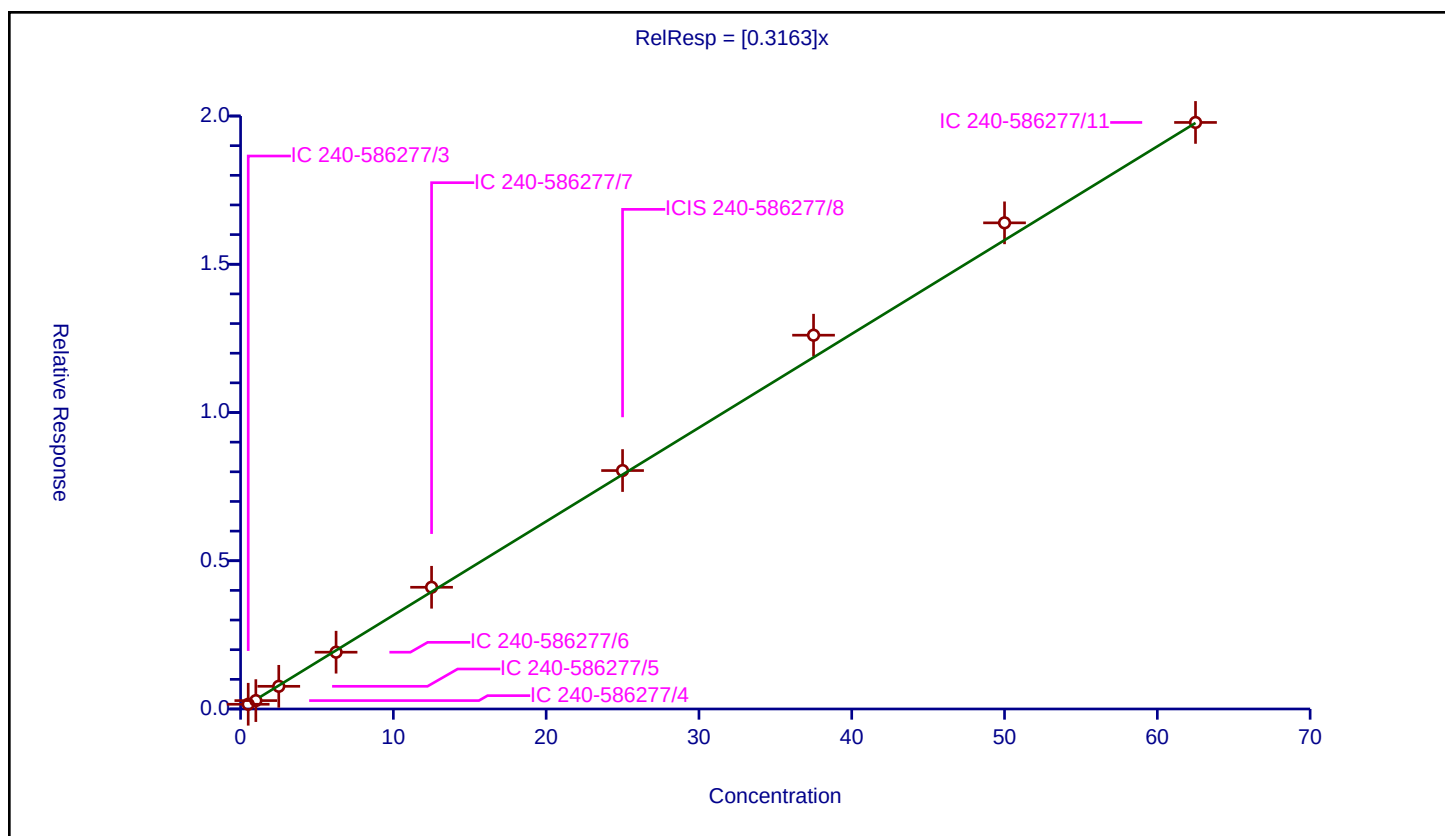
Curve Coefficients

Intercept: 0
Slope: 0.3163

Error Coefficients

Standard Error: 459000
Relative Standard Error: 5.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.160023	25.0	1051879.0	0.320046	Y
2	IC 240-586277/4	1.0	0.282951	25.0	1049917.0	0.282951	Y
3	IC 240-586277/5	2.5	0.765334	25.0	1064862.0	0.306134	Y
4	IC 240-586277/6	6.25	1.915182	25.0	1073762.0	0.306429	Y
5	IC 240-586277/7	12.5	4.105102	25.0	1059322.0	0.328408	Y
6	ICIS 240-586277/8	25.0	8.042466	25.0	1094885.0	0.321699	Y
7	IC 240-586277/9	37.5	12.607449	25.0	1049334.0	0.336199	Y
8	IC 240-586277/10	50.0	16.396864	25.0	1071987.0	0.327937	Y
9	IC 240-586277/11	62.5	19.783582	25.0	1096006.0	0.316537	Y



Calibration

/ 1,1-Dichloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

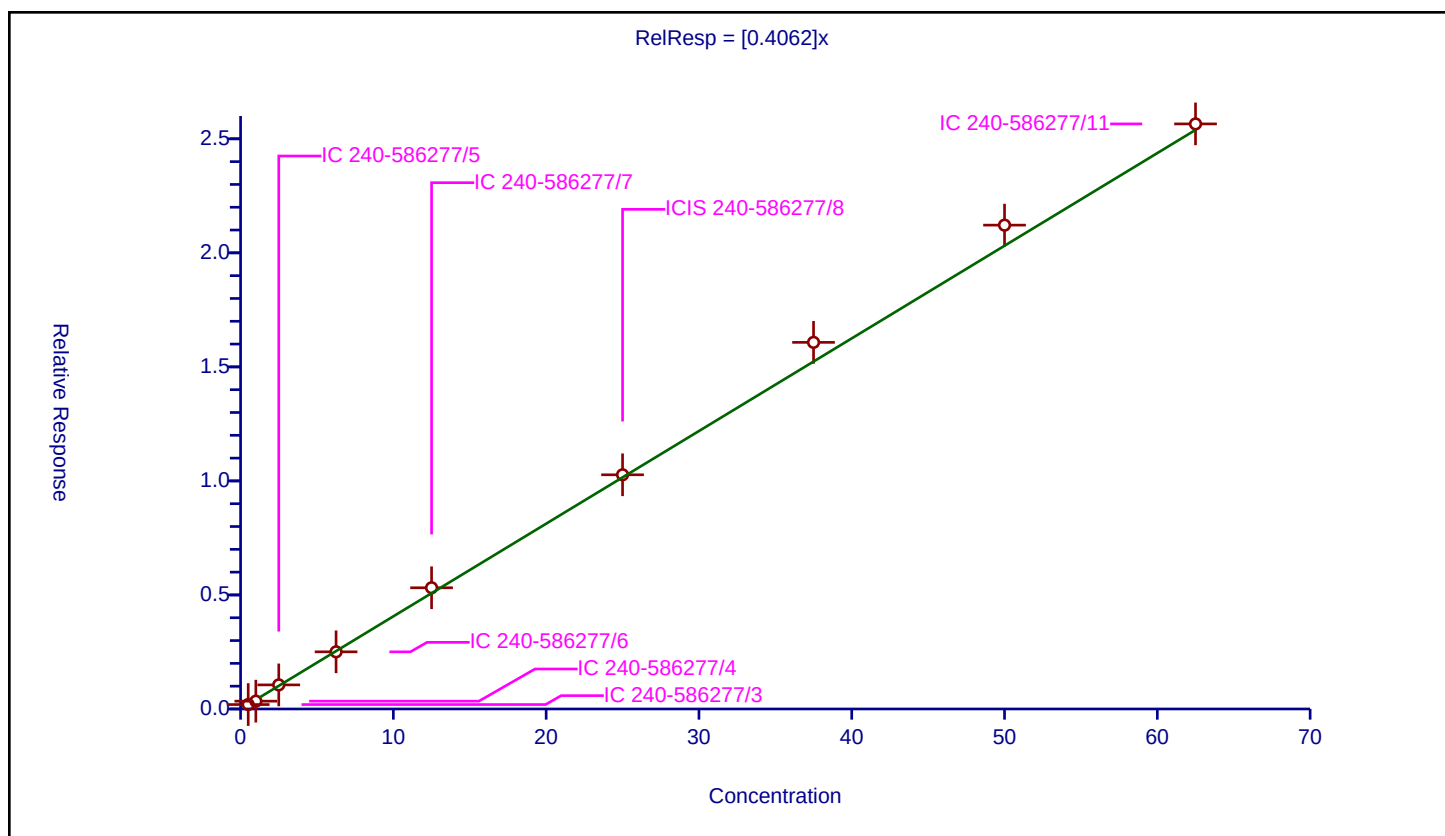
Curve Coefficients

Intercept: 0
Slope: 0.4062

Error Coefficients

Standard Error: 593000
Relative Standard Error: 6.6
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.194699	25.0	1051879.0	0.389398	Y
2	IC 240-586277/4	1.0	0.343622	25.0	1049917.0	0.343622	Y
3	IC 240-586277/5	2.5	1.056944	25.0	1064862.0	0.422778	Y
4	IC 240-586277/6	6.25	2.505979	25.0	1073762.0	0.400957	Y
5	IC 240-586277/7	12.5	5.314933	25.0	1059322.0	0.425195	Y
6	ICIS 240-586277/8	25.0	10.268818	25.0	1094885.0	0.410753	Y
7	IC 240-586277/9	37.5	16.075006	25.0	1049334.0	0.428667	Y
8	IC 240-586277/10	50.0	21.215976	25.0	1071987.0	0.42432	Y
9	IC 240-586277/11	62.5	25.653327	25.0	1096006.0	0.410453	Y



Calibration

/ Vinyl acetate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

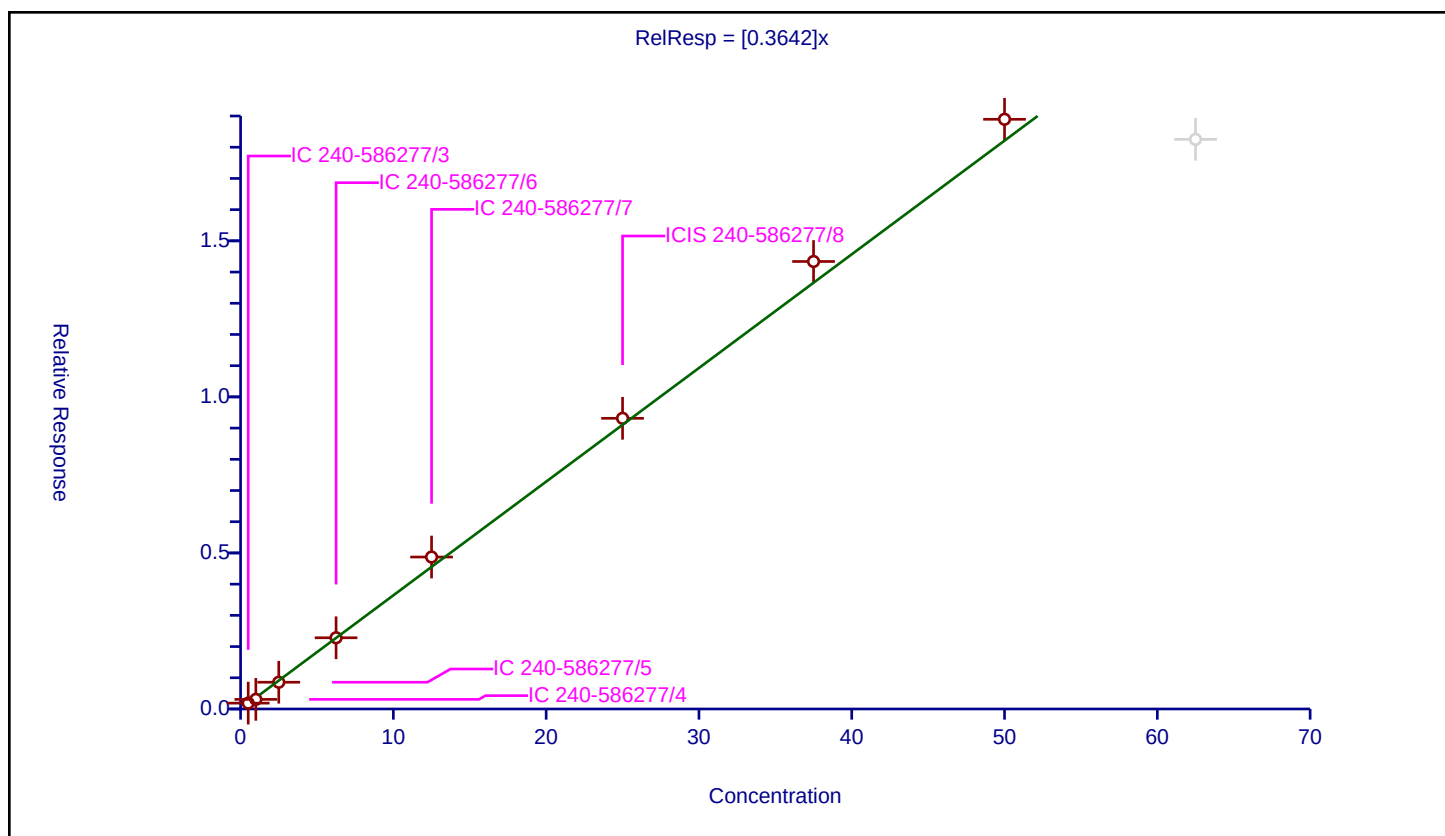
Curve Coefficients

Intercept: 0
Slope: 0.3642

Error Coefficients

Standard Error: 421000
Relative Standard Error: 7.3
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.187854	25.0	1051879.0	0.375709	Y
2	IC 240-586277/4	1.0	0.307739	25.0	1049917.0	0.307739	Y
3	IC 240-586277/5	2.5	0.857106	25.0	1064862.0	0.342843	Y
4	IC 240-586277/6	6.25	2.281697	25.0	1073762.0	0.365072	Y
5	IC 240-586277/7	12.5	4.86927	25.0	1059322.0	0.389542	Y
6	ICIS 240-586277/8	25.0	9.314197	25.0	1094885.0	0.372568	Y
7	IC 240-586277/9	37.5	14.339	25.0	1049334.0	0.382373	Y
8	IC 240-586277/10	50.0	18.894982	25.0	1071987.0	0.3779	Y
9	IC 240-586277/11	62.5	18.252272	25.0	1096006.0	0.292036	N



Calibration

/ 2,2-Dichloropropane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

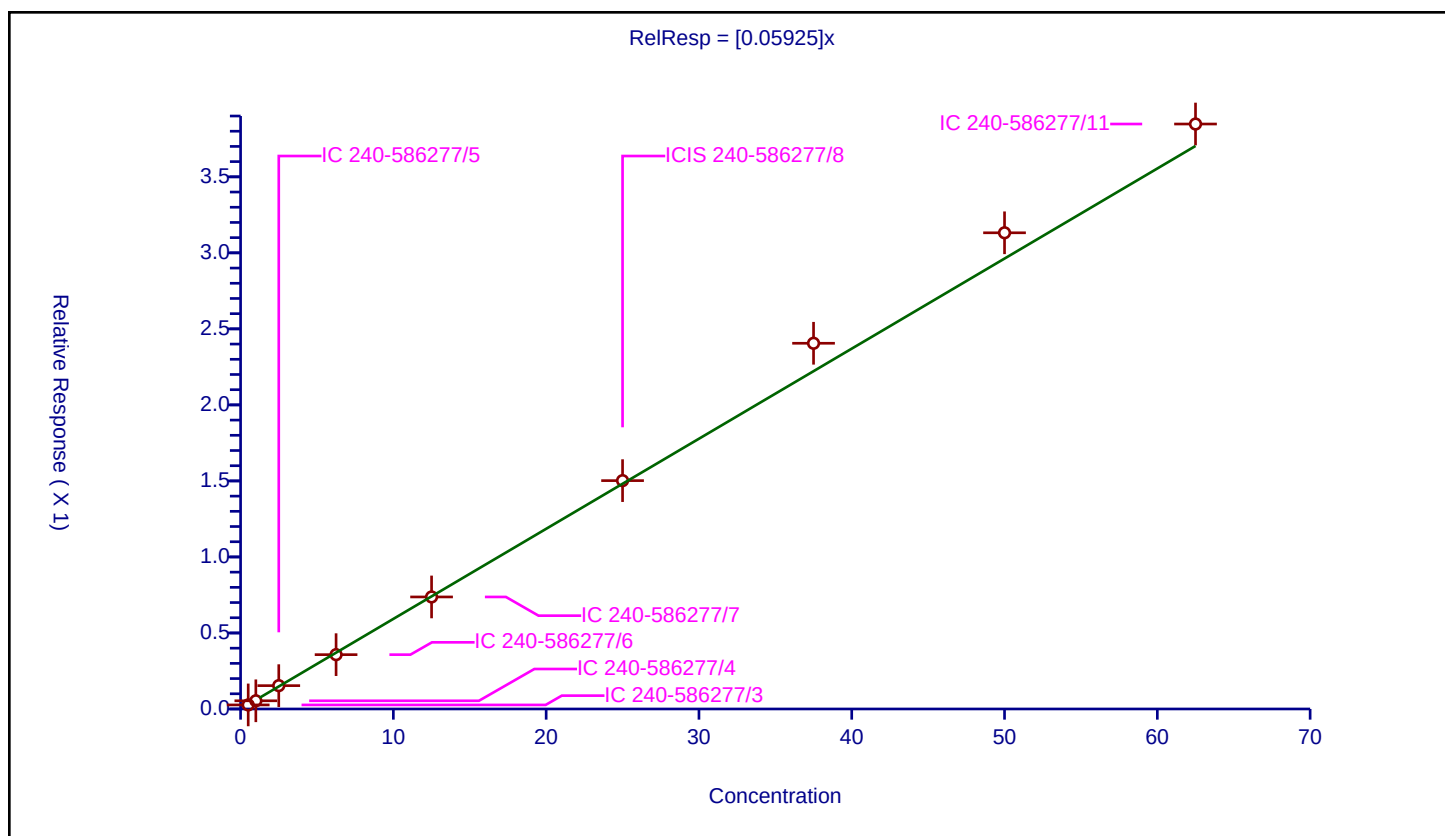
Curve Coefficients

Intercept: 0
 Slope: 0.05925

Error Coefficients

Standard Error: 88200
 Relative Standard Error: 6.3
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.02669	25.0	1051879.0	0.053381	Y
2	IC 240-586277/4	1.0	0.053933	25.0	1049917.0	0.053933	Y
3	IC 240-586277/5	2.5	0.153471	25.0	1064862.0	0.061388	Y
4	IC 240-586277/6	6.25	0.357272	25.0	1073762.0	0.057164	Y
5	IC 240-586277/7	12.5	0.736816	25.0	1059322.0	0.058945	Y
6	ICIS 240-586277/8	25.0	1.501961	25.0	1094885.0	0.060078	Y
7	IC 240-586277/9	37.5	2.405311	25.0	1049334.0	0.064142	Y
8	IC 240-586277/10	50.0	3.132058	25.0	1071987.0	0.062641	Y
9	IC 240-586277/11	62.5	3.847333	25.0	1096006.0	0.061557	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

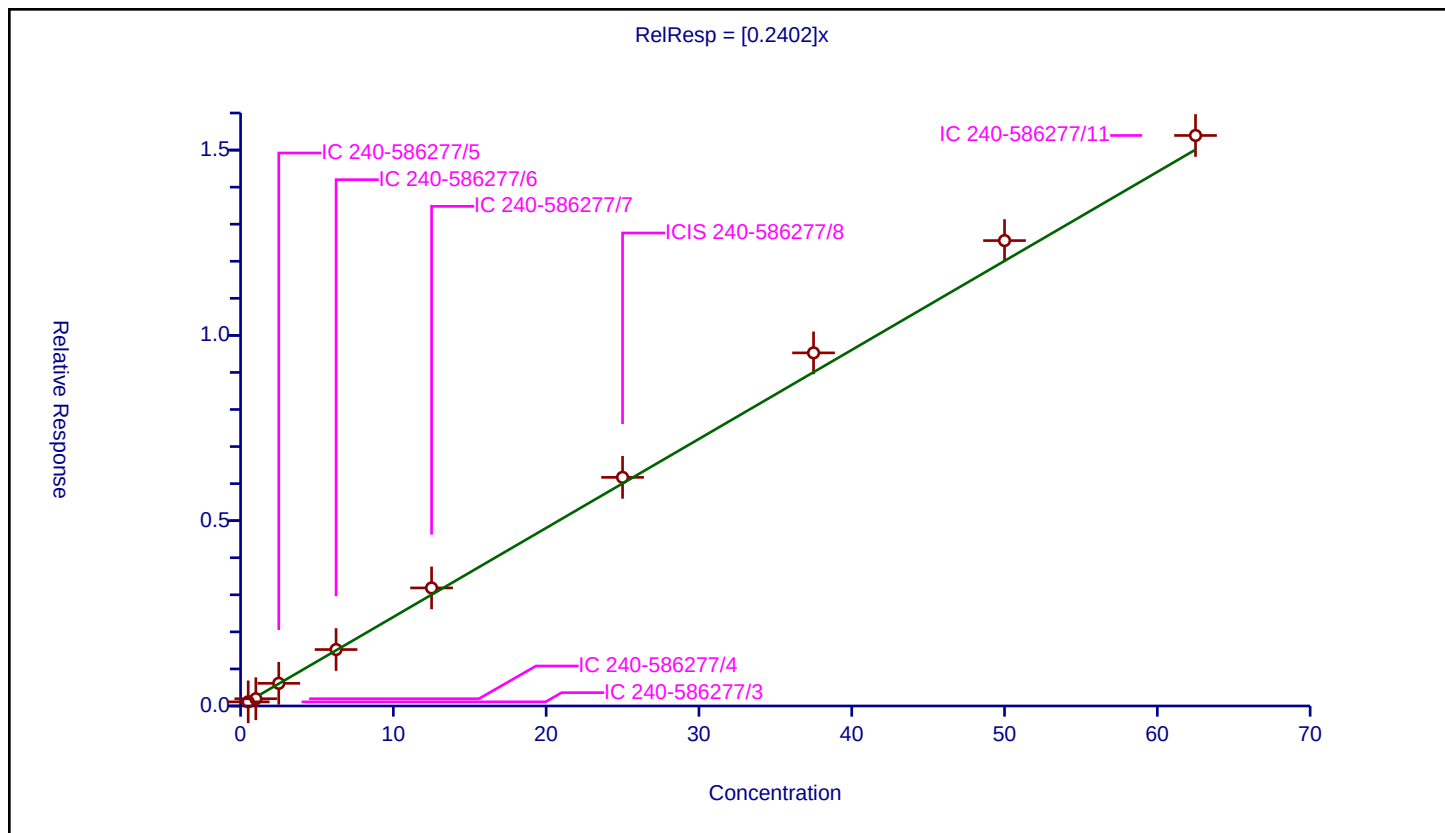
Curve Coefficients

Intercept: 0
Slope: 0.2402

Error Coefficients

Standard Error: 354000
Relative Standard Error: 7.9
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.11218	25.0	1051879.0	0.22436	Y
2	IC 240-586277/4	1.0	0.195968	25.0	1049917.0	0.195968	Y
3	IC 240-586277/5	2.5	0.611206	25.0	1064862.0	0.244482	Y
4	IC 240-586277/6	6.25	1.523056	25.0	1073762.0	0.243689	Y
5	IC 240-586277/7	12.5	3.185481	25.0	1059322.0	0.254838	Y
6	ICIS 240-586277/8	25.0	6.169095	25.0	1094885.0	0.246764	Y
7	IC 240-586277/9	37.5	9.527448	25.0	1049334.0	0.254065	Y
8	IC 240-586277/10	50.0	12.557498	25.0	1071987.0	0.25115	Y
9	IC 240-586277/11	62.5	15.39419	25.0	1096006.0	0.246307	Y



Calibration

/ 2-Butanone (MEK)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

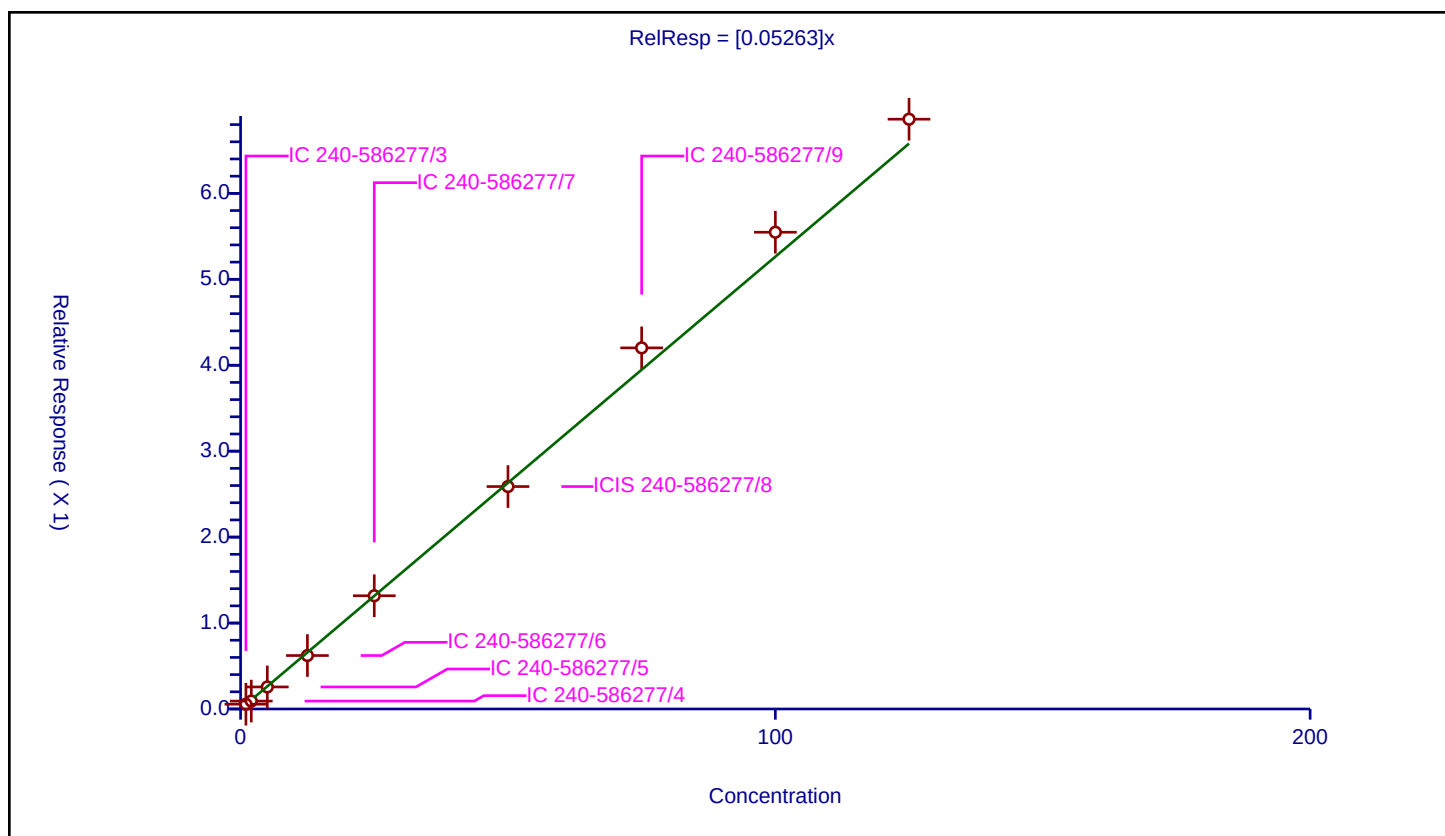
Curve Coefficients

Intercept: 0
Slope: 0.05263

Error Coefficients

Standard Error: 156000
Relative Standard Error: 6.4
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	1.0	0.055829	25.0	1051879.0	0.055829	Y
2	IC 240-586277/4	2.0	0.091864	25.0	1049917.0	0.045932	Y
3	IC 240-586277/5	5.0	0.256442	25.0	1064862.0	0.051288	Y
4	IC 240-586277/6	12.5	0.621972	25.0	1073762.0	0.049758	Y
5	IC 240-586277/7	25.0	1.317612	25.0	1059322.0	0.052704	Y
6	ICIS 240-586277/8	50.0	2.588354	25.0	1094885.0	0.051767	Y
7	IC 240-586277/9	75.0	4.201975	25.0	1049334.0	0.056026	Y
8	IC 240-586277/10	100.0	5.547759	25.0	1071987.0	0.055478	Y
9	IC 240-586277/11	125.0	6.86301	25.0	1096006.0	0.054904	Y



Calibration

/ Chlorobromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

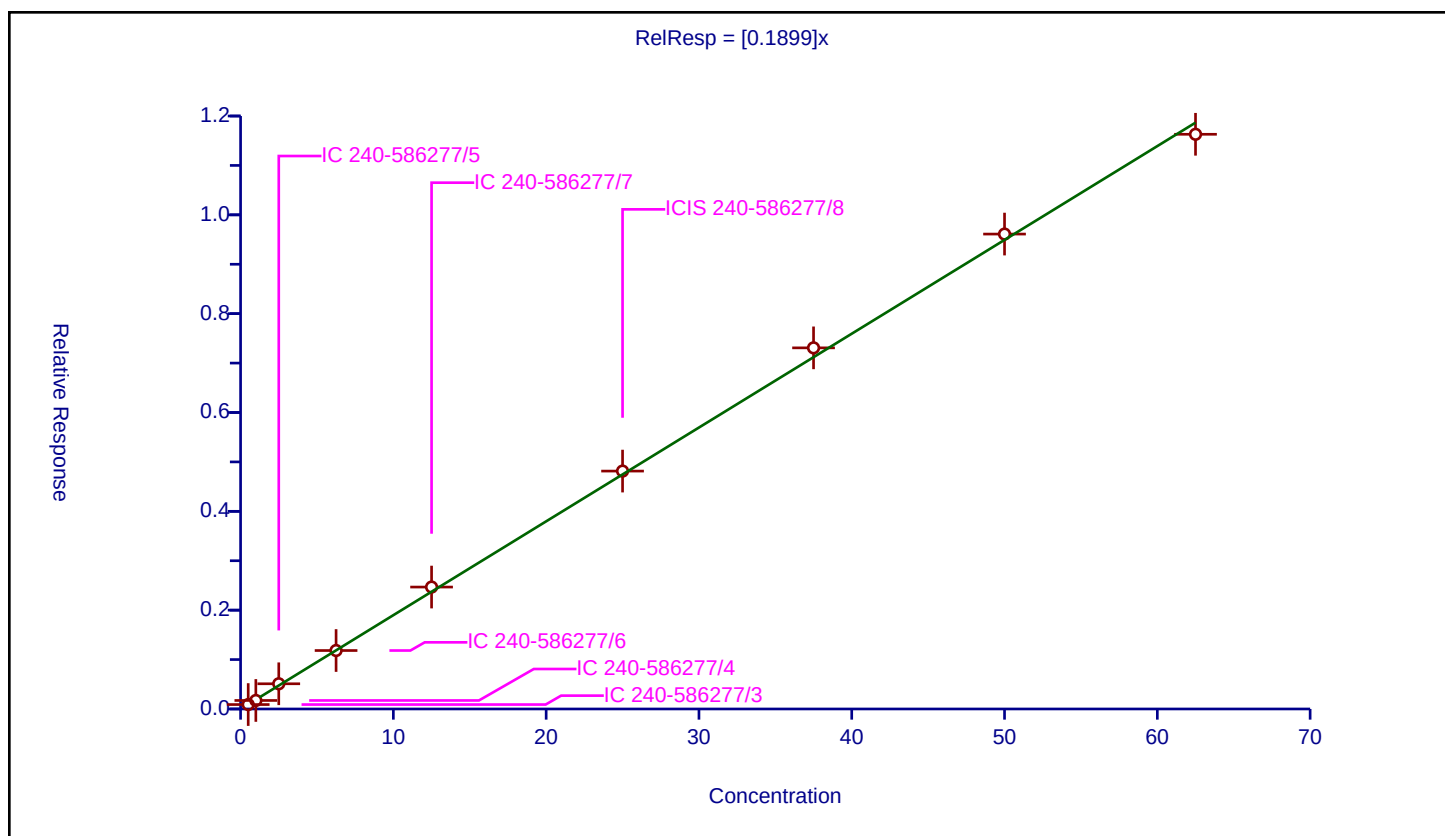
Curve Coefficients

Intercept: 0
Slope: 0.1899

Error Coefficients

Standard Error: 270000
Relative Standard Error: 5.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.089815	25.0	1051879.0	0.179631	Y
2	IC 240-586277/4	1.0	0.172466	25.0	1049917.0	0.172466	Y
3	IC 240-586277/5	2.5	0.510301	25.0	1064862.0	0.20412	Y
4	IC 240-586277/6	6.25	1.183107	25.0	1073762.0	0.189297	Y
5	IC 240-586277/7	12.5	2.467474	25.0	1059322.0	0.197398	Y
6	ICIS 240-586277/8	25.0	4.814501	25.0	1094885.0	0.19258	Y
7	IC 240-586277/9	37.5	7.308112	25.0	1049334.0	0.194883	Y
8	IC 240-586277/10	50.0	9.610984	25.0	1071987.0	0.19222	Y
9	IC 240-586277/11	62.5	11.630342	25.0	1096006.0	0.186085	Y



Calibration

/ Tetrahydrofuran

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

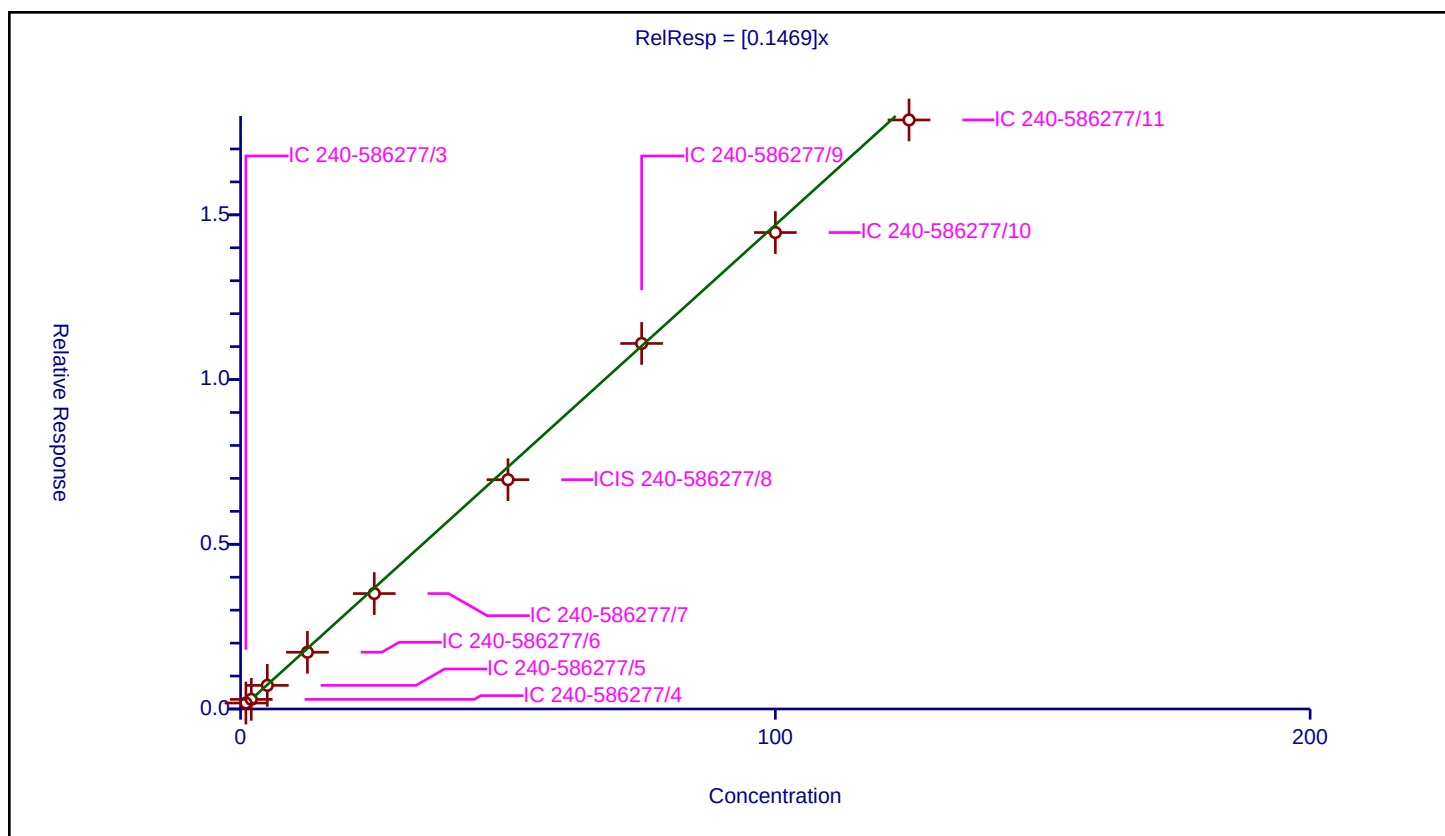
Curve Coefficients

Intercept: 0
Slope: 0.1469

Error Coefficients

Standard Error: 409000
Relative Standard Error: 8.9
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	1.0	0.180558	25.0	1051879.0	0.180558	Y
2	IC 240-586277/4	2.0	0.291523	25.0	1049917.0	0.145762	Y
3	IC 240-586277/5	5.0	0.716572	25.0	1064862.0	0.143314	Y
4	IC 240-586277/6	12.5	1.722286	25.0	1073762.0	0.137783	Y
5	IC 240-586277/7	25.0	3.503892	25.0	1059322.0	0.140156	Y
6	ICIS 240-586277/8	50.0	6.960526	25.0	1094885.0	0.139211	Y
7	IC 240-586277/9	75.0	11.095633	25.0	1049334.0	0.147942	Y
8	IC 240-586277/10	100.0	14.463328	25.0	1071987.0	0.144633	Y
9	IC 240-586277/11	125.0	17.879852	25.0	1096006.0	0.143039	Y



Calibration

/ Chloroform

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

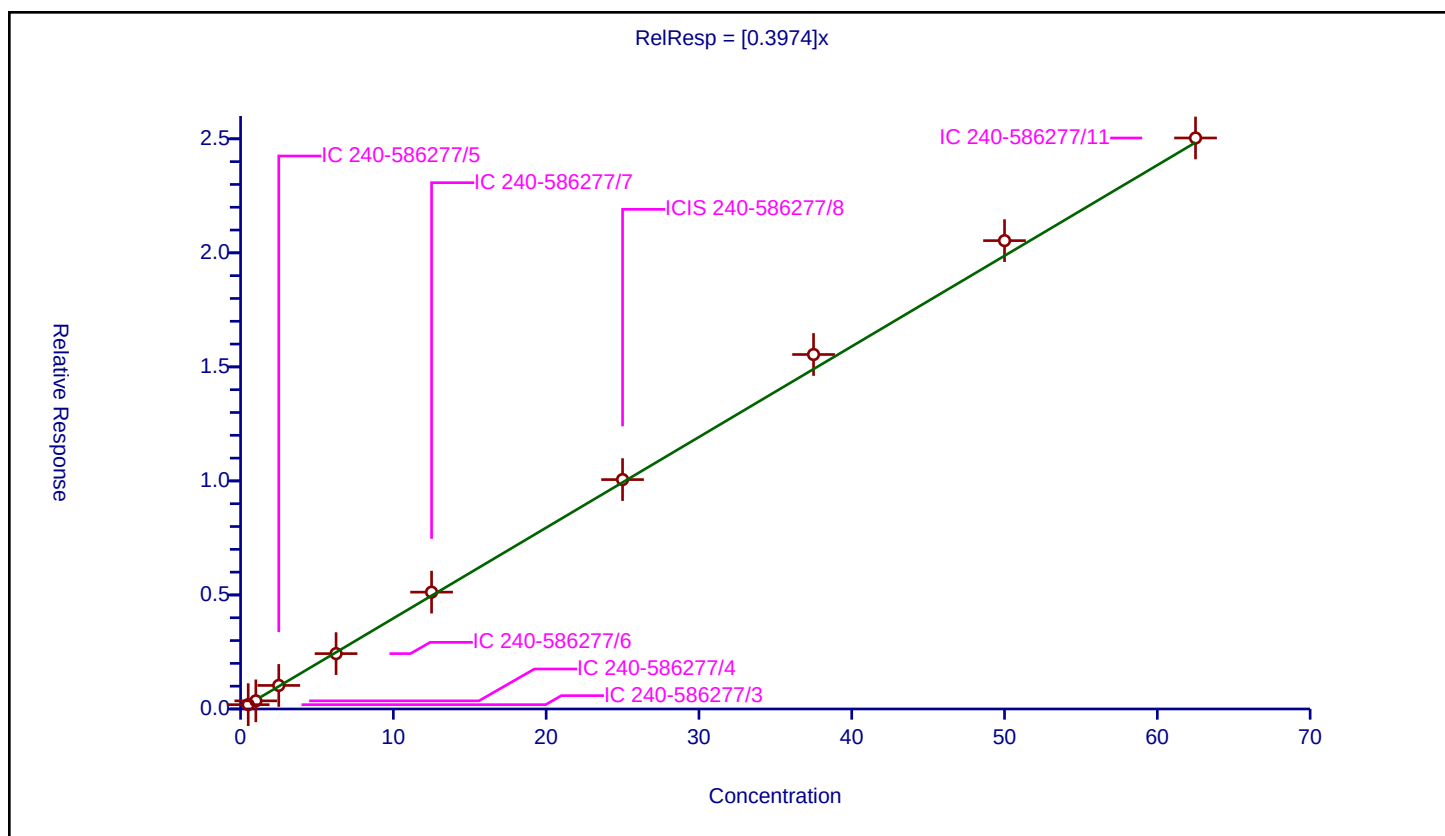
Curve Coefficients

Intercept: 0
Slope: 0.3974

Error Coefficients

Standard Error: 577000
Relative Standard Error: 4.8
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.190065	25.0	1051879.0	0.380129	Y
2	IC 240-586277/4	1.0	0.357314	25.0	1049917.0	0.357314	Y
3	IC 240-586277/5	2.5	1.032927	25.0	1064862.0	0.413171	Y
4	IC 240-586277/6	6.25	2.4274	25.0	1073762.0	0.388384	Y
5	IC 240-586277/7	12.5	5.123348	25.0	1059322.0	0.409868	Y
6	ICIS 240-586277/8	25.0	10.058613	25.0	1094885.0	0.402345	Y
7	IC 240-586277/9	37.5	15.543407	25.0	1049334.0	0.414491	Y
8	IC 240-586277/10	50.0	20.536117	25.0	1071987.0	0.410722	Y
9	IC 240-586277/11	62.5	25.036108	25.0	1096006.0	0.400578	Y



Calibration

/ Cyclohexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

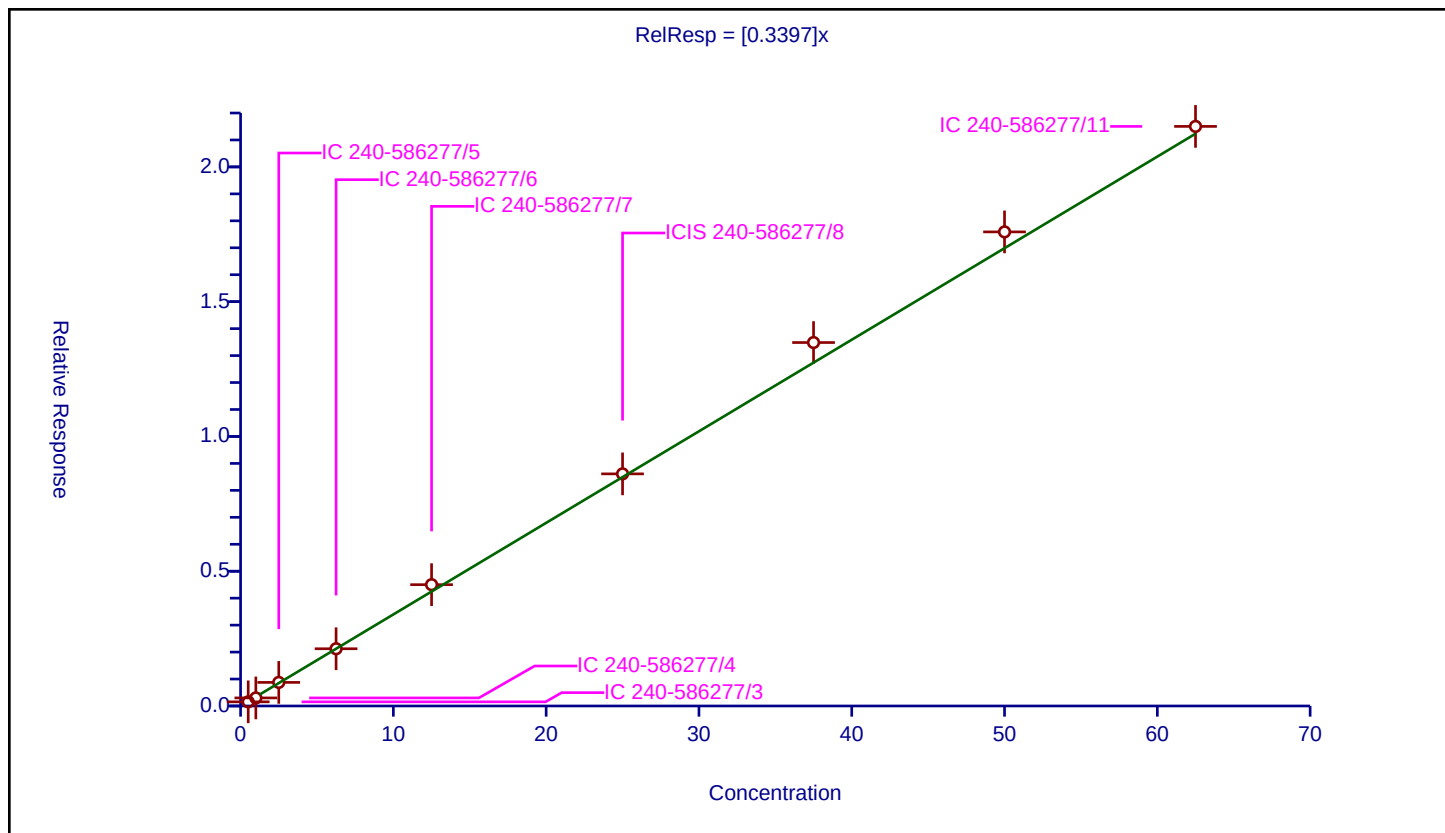
Curve Coefficients

Intercept: 0
Slope: 0.3397

Error Coefficients

Standard Error: 496000
Relative Standard Error: 6.4
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.154153	25.0	1051879.0	0.308305	Y
2	IC 240-586277/4	1.0	0.299262	25.0	1049917.0	0.299262	Y
3	IC 240-586277/5	2.5	0.875019	25.0	1064862.0	0.350008	Y
4	IC 240-586277/6	6.25	2.123306	25.0	1073762.0	0.339729	Y
5	IC 240-586277/7	12.5	4.501559	25.0	1059322.0	0.360125	Y
6	ICIS 240-586277/8	25.0	8.611818	25.0	1094885.0	0.344473	Y
7	IC 240-586277/9	37.5	13.484291	25.0	1049334.0	0.359581	Y
8	IC 240-586277/10	50.0	17.589113	25.0	1071987.0	0.351782	Y
9	IC 240-586277/11	62.5	21.50319	25.0	1096006.0	0.344051	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

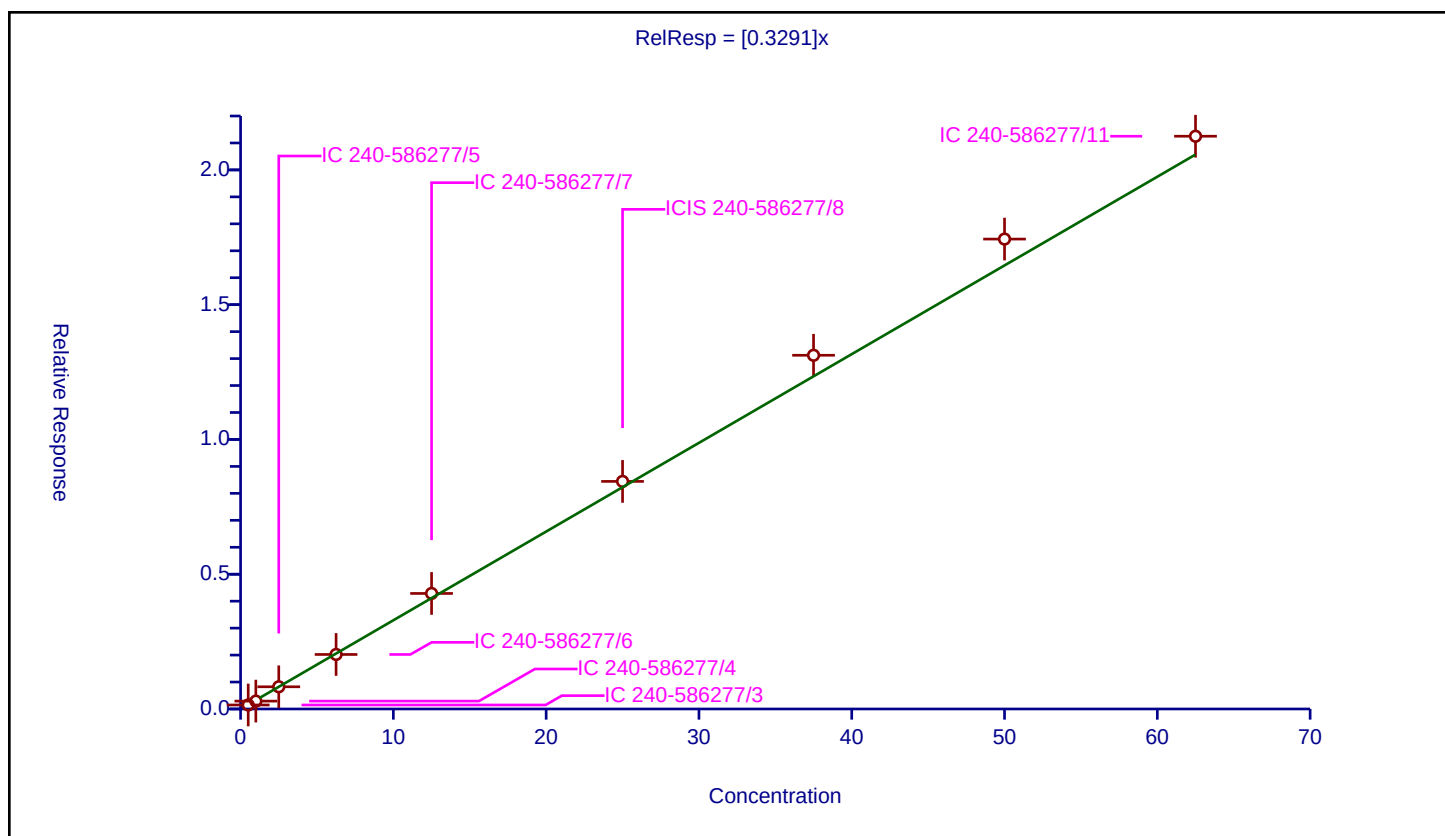
Curve Coefficients

Intercept: 0
Slope: 0.3291

Error Coefficients

Standard Error: 488000
Relative Standard Error: 6.4
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.148876	25.0	1051879.0	0.297753	Y
2	IC 240-586277/4	1.0	0.292095	25.0	1049917.0	0.292095	Y
3	IC 240-586277/5	2.5	0.823205	25.0	1064862.0	0.329282	Y
4	IC 240-586277/6	6.25	2.022934	25.0	1073762.0	0.323669	Y
5	IC 240-586277/7	12.5	4.286681	25.0	1059322.0	0.342934	Y
6	ICIS 240-586277/8	25.0	8.444015	25.0	1094885.0	0.337761	Y
7	IC 240-586277/9	37.5	13.123086	25.0	1049334.0	0.349949	Y
8	IC 240-586277/10	50.0	17.433933	25.0	1071987.0	0.348679	Y
9	IC 240-586277/11	62.5	21.249656	25.0	1096006.0	0.339994	Y



Calibration

/ Dibromofluoromethane (Surr)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

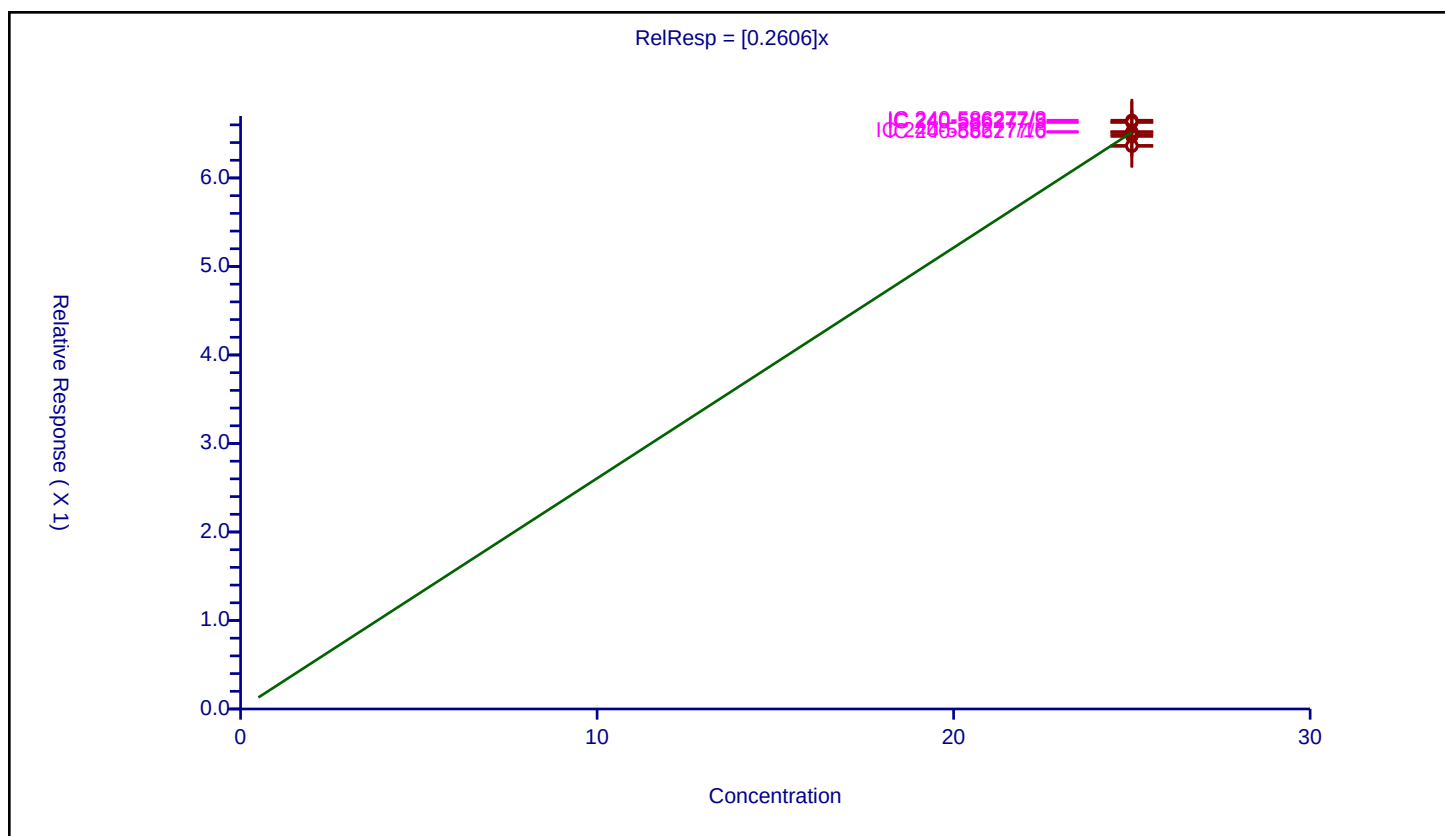
Curve Coefficients

Intercept: 0
Slope: 0.2606

Error Coefficients

Standard Error: 295000
Relative Standard Error: 1.7
Correlation Coefficient: 0.00000000000000000000
Coefficient of Determination (Adjusted): 0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	25.0	6.652262	25.0	1051879.0	0.26609	Y
2	IC 240-586277/4	25.0	6.469249	25.0	1049917.0	0.25877	Y
3	IC 240-586277/5	25.0	6.627596	25.0	1064862.0	0.265104	Y
4	IC 240-586277/6	25.0	6.517087	25.0	1073762.0	0.260683	Y
5	IC 240-586277/7	25.0	6.491393	25.0	1059322.0	0.259656	Y
6	ICIS 240-586277/8	25.0	6.356969	25.0	1094885.0	0.254279	Y
7	IC 240-586277/9	25.0	6.632397	25.0	1049334.0	0.265296	Y
8	IC 240-586277/10	25.0	6.523866	25.0	1071987.0	0.260955	Y
9	IC 240-586277/11	25.0	6.368305	25.0	1096006.0	0.254732	Y



Calibration

/ Carbon tetrachloride

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

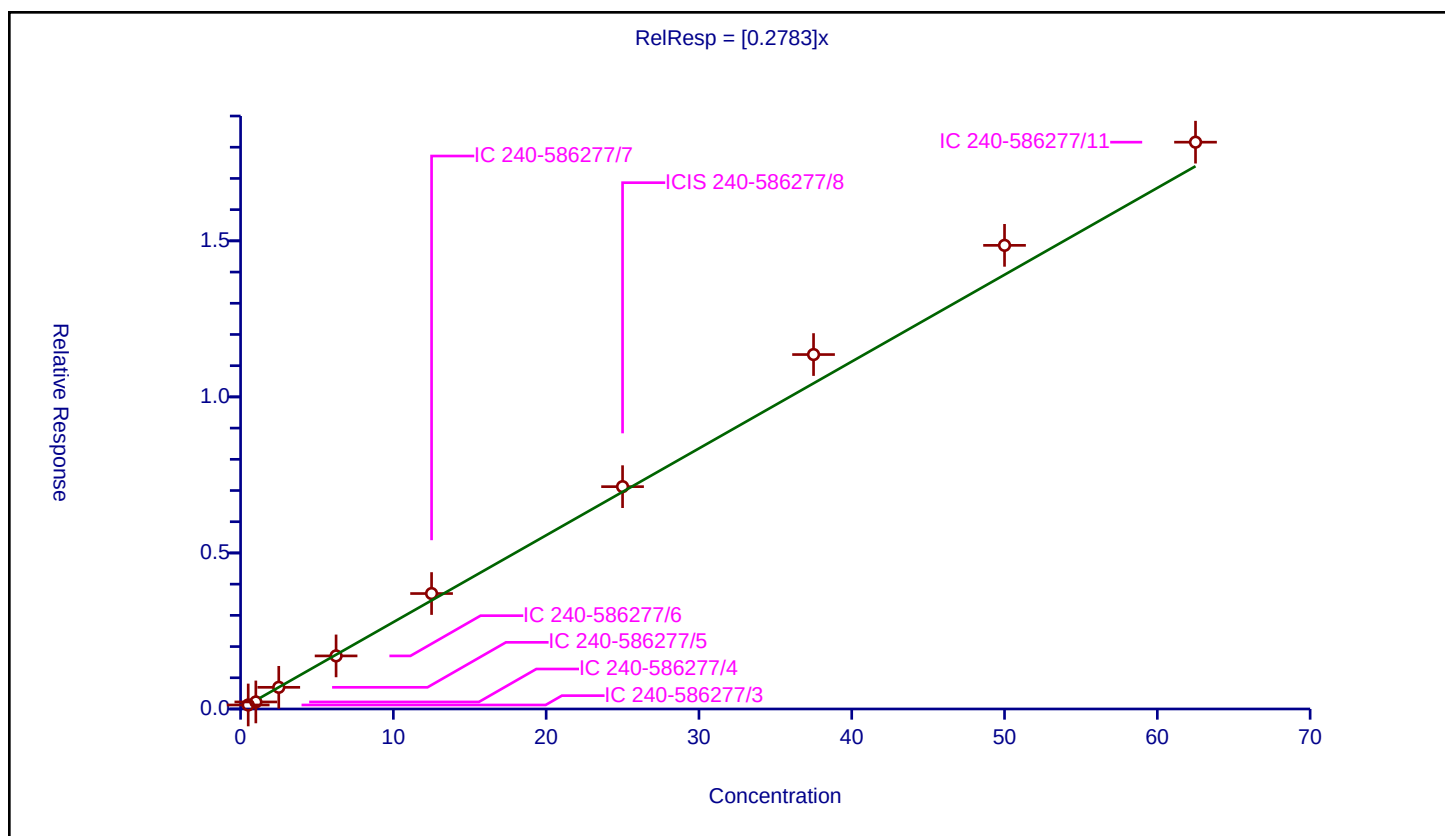
Curve Coefficients

Intercept: 0
 Slope: 0.2783

Error Coefficients

Standard Error: 418000
 Relative Standard Error: 8.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.128627	25.0	1051879.0	0.257254	Y
2	IC 240-586277/4	1.0	0.225994	25.0	1049917.0	0.225994	Y
3	IC 240-586277/5	2.5	0.694104	25.0	1064862.0	0.277642	Y
4	IC 240-586277/6	6.25	1.700819	25.0	1073762.0	0.272131	Y
5	IC 240-586277/7	12.5	3.698993	25.0	1059322.0	0.295919	Y
6	ICIS 240-586277/8	25.0	7.12431	25.0	1094885.0	0.284972	Y
7	IC 240-586277/9	37.5	11.356965	25.0	1049334.0	0.302852	Y
8	IC 240-586277/10	50.0	14.856034	25.0	1071987.0	0.297121	Y
9	IC 240-586277/11	62.5	18.161625	25.0	1096006.0	0.290586	Y



Calibration

/ 1,1-Dichloropropene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

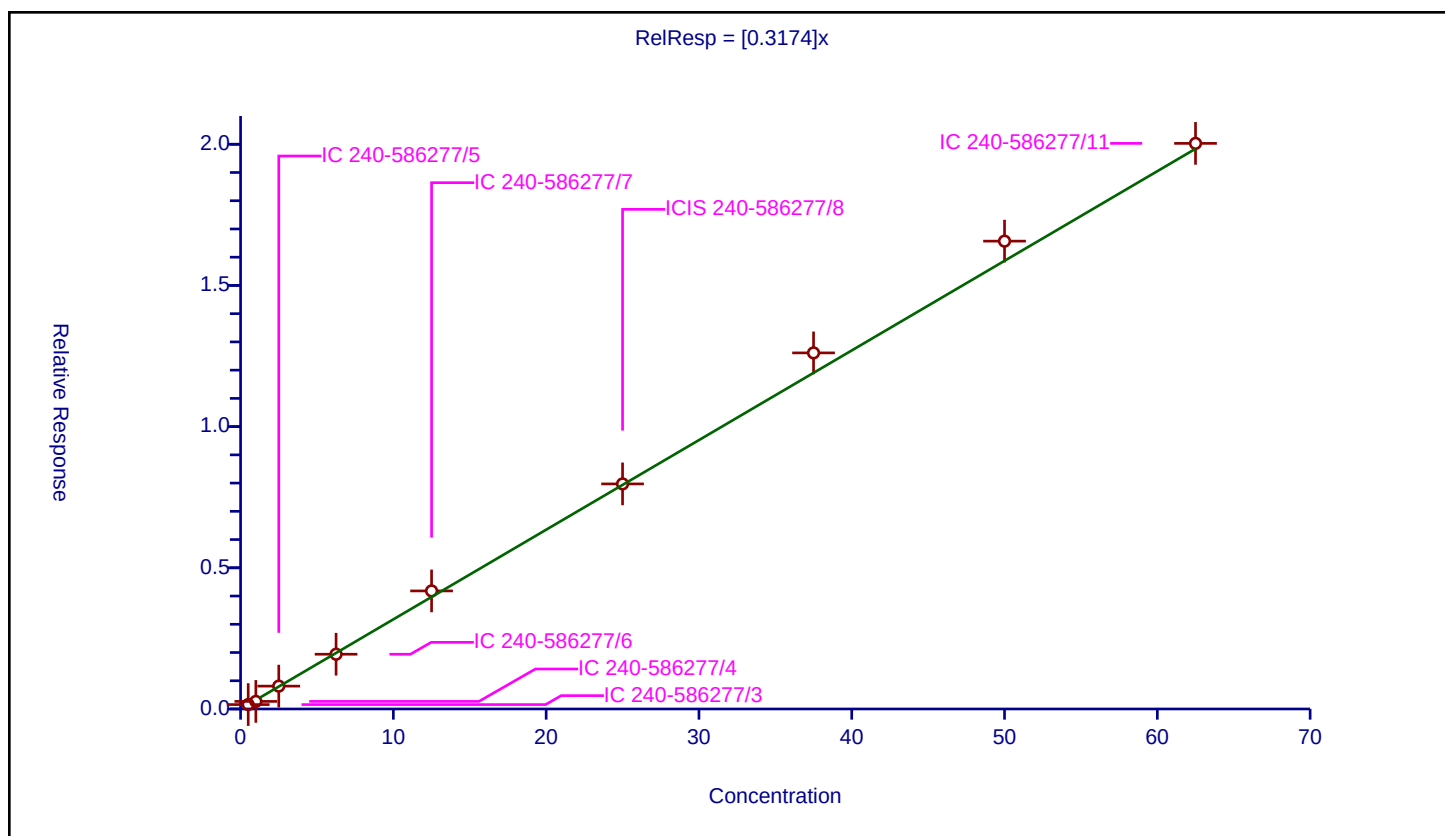
Curve Coefficients

Intercept: 0
 Slope: 0.3174

Error Coefficients

Standard Error: 463000
 Relative Standard Error: 6.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.15603	25.0	1051879.0	0.312061	Y
2	IC 240-586277/4	1.0	0.268926	25.0	1049917.0	0.268926	Y
3	IC 240-586277/5	2.5	0.810175	25.0	1064862.0	0.32407	Y
4	IC 240-586277/6	6.25	1.939489	25.0	1073762.0	0.310318	Y
5	IC 240-586277/7	12.5	4.180976	25.0	1059322.0	0.334478	Y
6	ICIS 240-586277/8	25.0	7.971339	25.0	1094885.0	0.318854	Y
7	IC 240-586277/9	37.5	12.611333	25.0	1049334.0	0.336302	Y
8	IC 240-586277/10	50.0	16.569254	25.0	1071987.0	0.331385	Y
9	IC 240-586277/11	62.5	20.030616	25.0	1096006.0	0.32049	Y



Calibration

/ Benzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

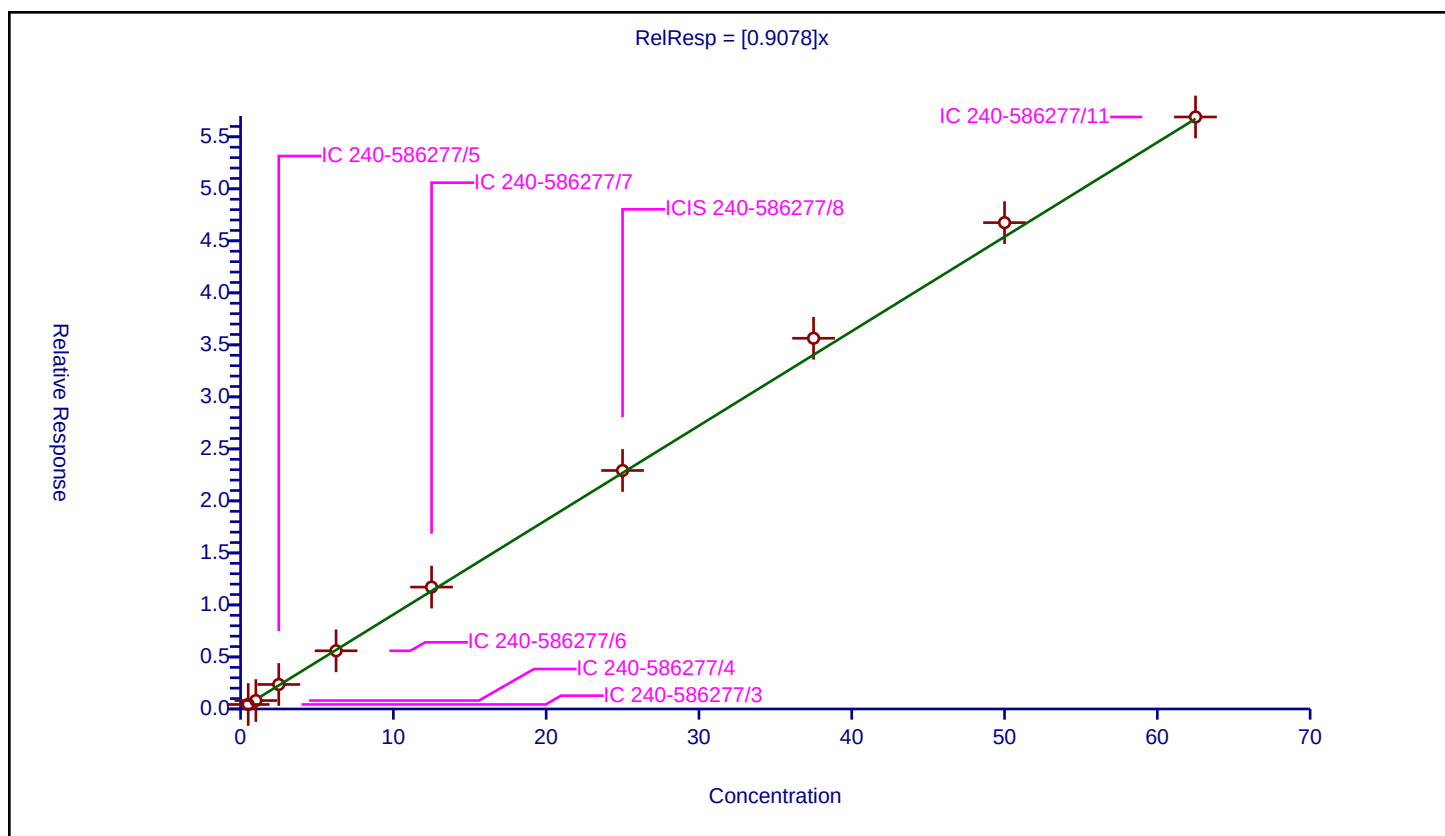
Curve Coefficients

Intercept: 0
Slope: 0.9078

Error Coefficients

Standard Error: 1310000
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 240-586277/3	0.5	0.43553	25.0	1051879.0	0.87106	Y
2	IC 240-586277/4	1.0	0.810516	25.0	1049917.0	0.810516	Y
3	IC 240-586277/5	2.5	2.357559	25.0	1064862.0	0.943024	Y
4	IC 240-586277/6	6.25	5.593744	25.0	1073762.0	0.894999	Y
5	IC 240-586277/7	12.5	11.71825	25.0	1059322.0	0.93746	Y
6	ICIS 240-586277/8	25.0	22.924896	25.0	1094885.0	0.916996	Y
7	IC 240-586277/9	37.5	35.636842	25.0	1049334.0	0.950316	Y
8	IC 240-586277/10	50.0	46.751733	25.0	1071987.0	0.935035	Y
9	IC 240-586277/11	62.5	56.908767	25.0	1096006.0	0.91054	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

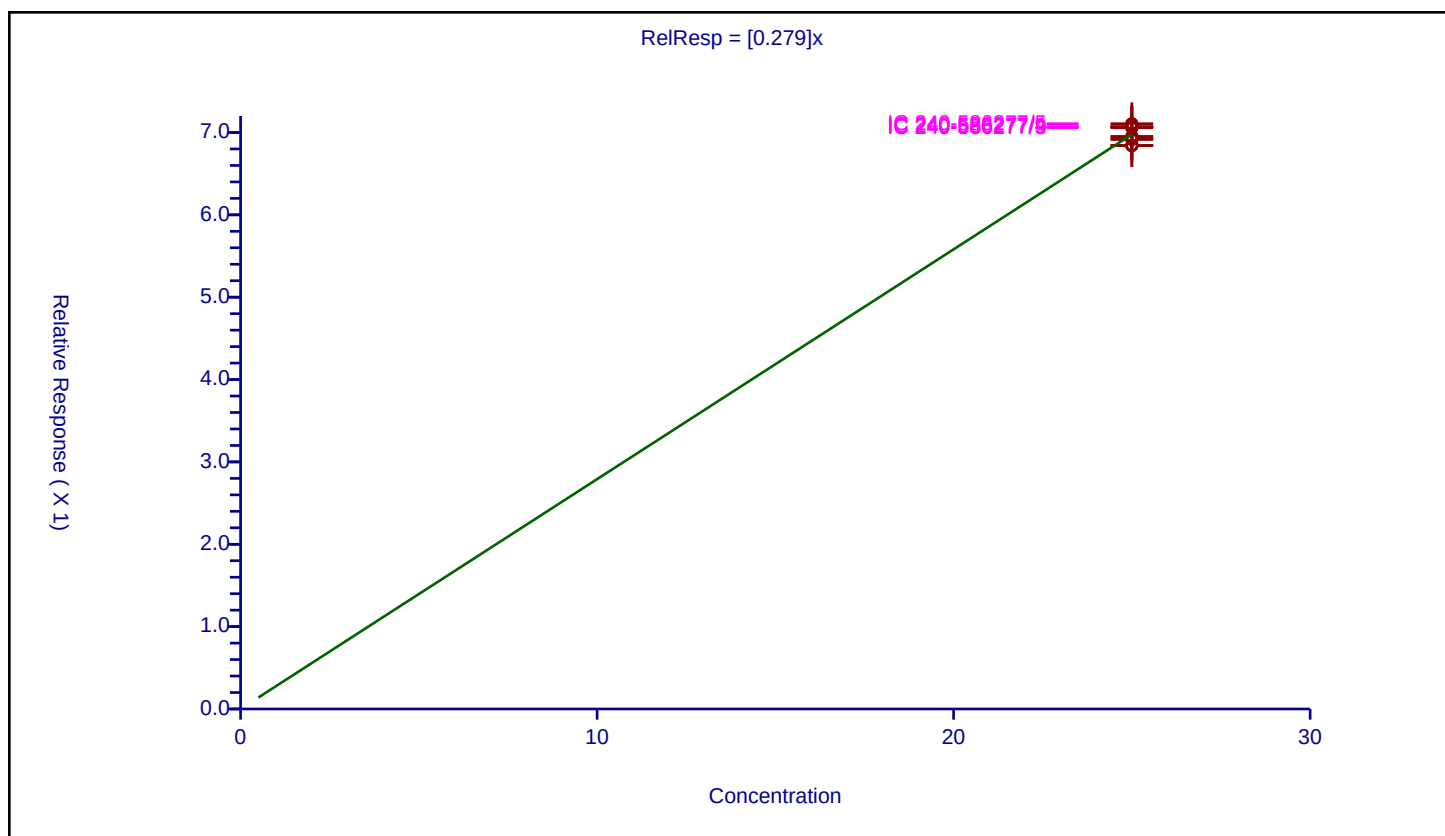
Curve Coefficients

Intercept: 0
Slope: 0.279

Error Coefficients

Standard Error: 316000
Relative Standard Error: 1.5
Correlation Coefficient: NA
Coefficient of Determination (Adjusted): 0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	25.0	7.058107	25.0	1051879.0	0.282324	Y
2	IC 240-586277/4	25.0	7.07113	25.0	1049917.0	0.282845	Y
3	IC 240-586277/5	25.0	7.106602	25.0	1064862.0	0.284264	Y
4	IC 240-586277/6	25.0	6.931215	25.0	1073762.0	0.277249	Y
5	IC 240-586277/7	25.0	6.952301	25.0	1059322.0	0.278092	Y
6	ICIS 240-586277/8	25.0	6.843824	25.0	1094885.0	0.273753	Y
7	IC 240-586277/9	25.0	7.067864	25.0	1049334.0	0.282715	Y
8	IC 240-586277/10	25.0	6.914473	25.0	1071987.0	0.276579	Y
9	IC 240-586277/11	25.0	6.839972	25.0	1096006.0	0.273599	Y



Calibration

/ Isobutyl alcohol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

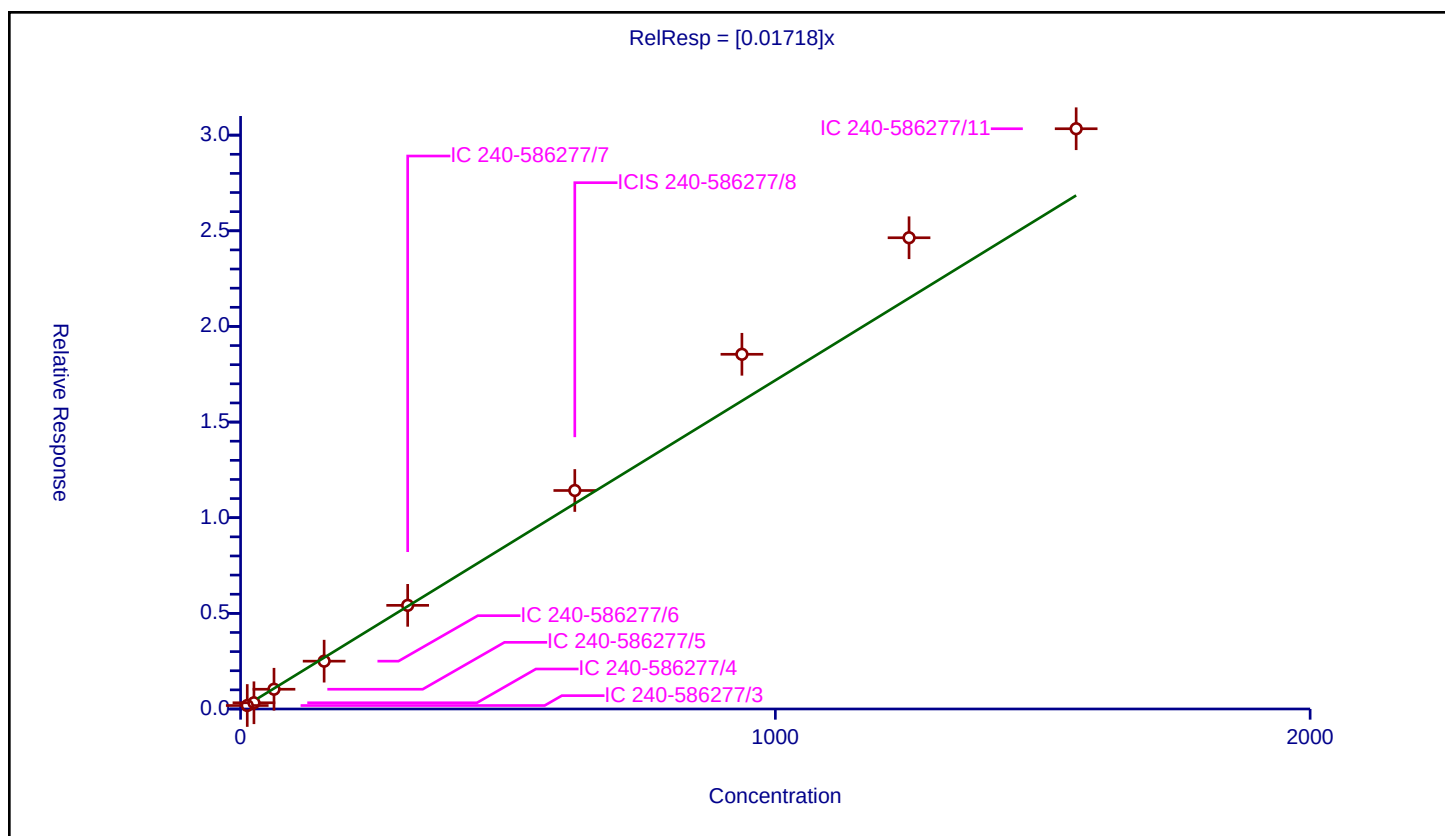
Curve Coefficients

Intercept: 0
 Slope: 0.01718

Error Coefficients

Standard Error: 690000
 Relative Standard Error: 13.8
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	12.5	0.182412	25.0	1051879.0	0.014593	Y
2	IC 240-586277/4	25.0	0.325192	25.0	1049917.0	0.013008	Y
3	IC 240-586277/5	62.5	1.032552	25.0	1064862.0	0.016521	Y
4	IC 240-586277/6	156.25	2.500298	25.0	1073762.0	0.016002	Y
5	IC 240-586277/7	312.5	5.418655	25.0	1059322.0	0.01734	Y
6	ICIS 240-586277/8	625.0	11.423209	25.0	1094885.0	0.018277	Y
7	IC 240-586277/9	937.5	18.544286	25.0	1049334.0	0.019781	Y
8	IC 240-586277/10	1250.0	24.636166	25.0	1071987.0	0.019709	Y
9	IC 240-586277/11	1562.5	30.335555	25.0	1096006.0	0.019415	Y



Calibration

/ 1,2-Dichloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

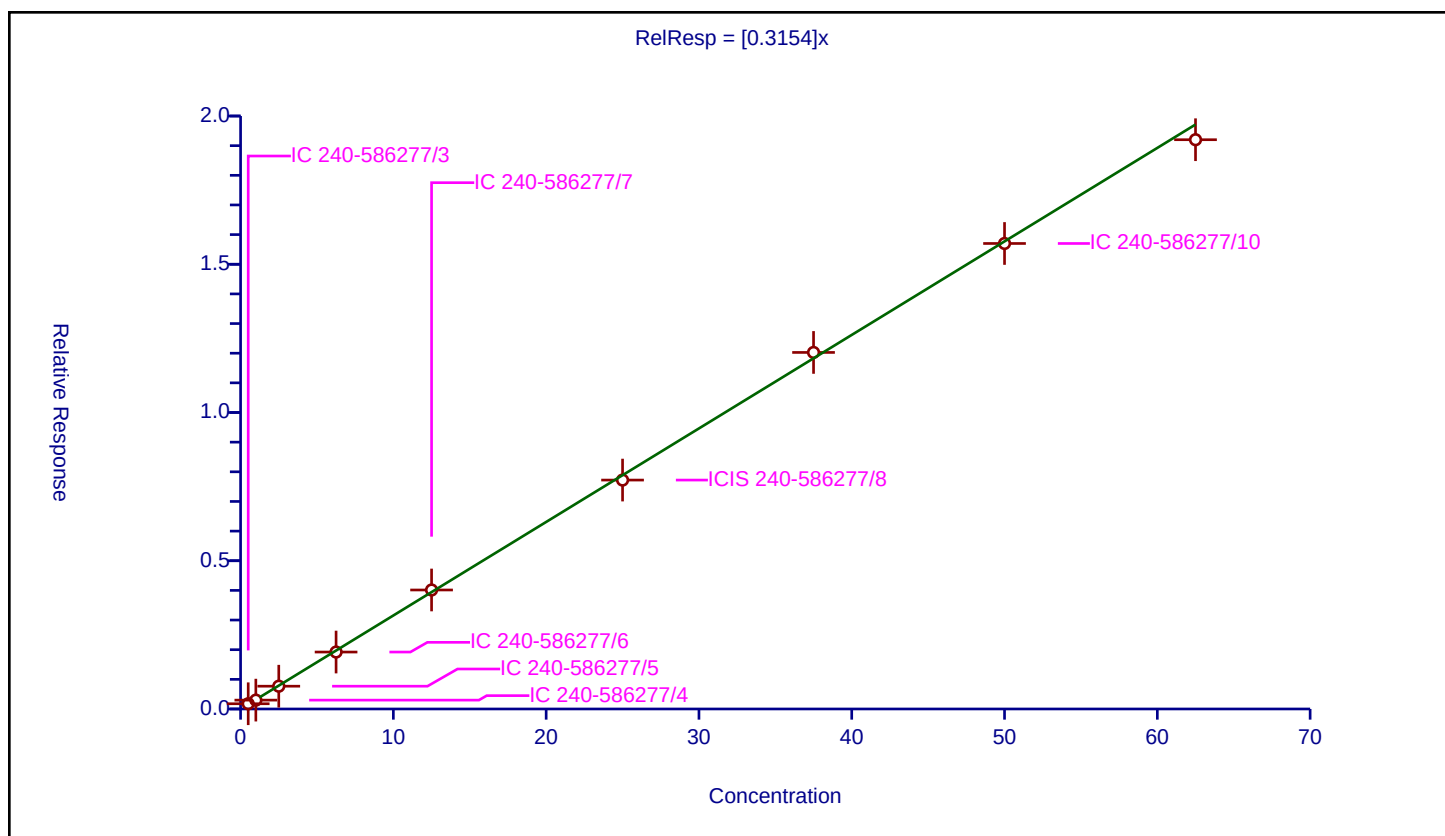
Curve Coefficients

Intercept: 0
Slope: 0.3154

Error Coefficients

Standard Error: 443000
Relative Standard Error: 5.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.176399	25.0	1051879.0	0.352797	Y
2	IC 240-586277/4	1.0	0.299428	25.0	1049917.0	0.299428	Y
3	IC 240-586277/5	2.5	0.768269	25.0	1064862.0	0.307307	Y
4	IC 240-586277/6	6.25	1.920677	25.0	1073762.0	0.307308	Y
5	IC 240-586277/7	12.5	4.013605	25.0	1059322.0	0.321088	Y
6	ICIS 240-586277/8	25.0	7.721473	25.0	1094885.0	0.308859	Y
7	IC 240-586277/9	37.5	12.025699	25.0	1049334.0	0.320685	Y
8	IC 240-586277/10	50.0	15.70082	25.0	1071987.0	0.314016	Y
9	IC 240-586277/11	62.5	19.200077	25.0	1096006.0	0.307201	Y



Calibration

/ n-Heptane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

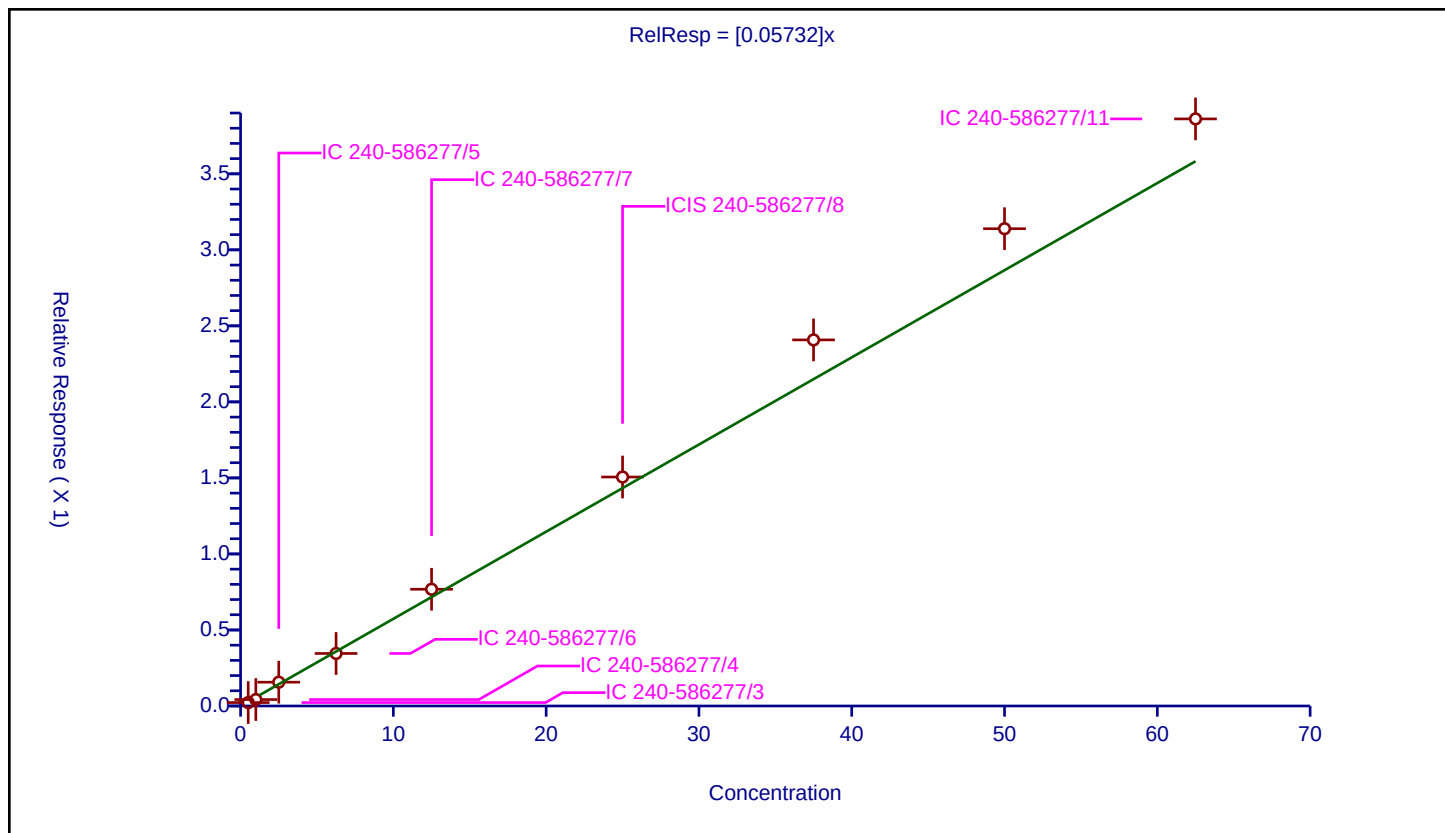
Curve Coefficients

Intercept: 0
 Slope: 0.05732

Error Coefficients

Standard Error: 88500
 Relative Standard Error: 14.1
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.022602	25.0	1051879.0	0.045205	Y
2	IC 240-586277/4	1.0	0.042384	25.0	1049917.0	0.042384	Y
3	IC 240-586277/5	2.5	0.156499	25.0	1064862.0	0.0626	Y
4	IC 240-586277/6	6.25	0.345351	25.0	1073762.0	0.055256	Y
5	IC 240-586277/7	12.5	0.767802	25.0	1059322.0	0.061424	Y
6	ICIS 240-586277/8	25.0	1.506049	25.0	1094885.0	0.060242	Y
7	IC 240-586277/9	37.5	2.407884	25.0	1049334.0	0.06421	Y
8	IC 240-586277/10	50.0	3.139101	25.0	1071987.0	0.062782	Y
9	IC 240-586277/11	62.5	3.861316	25.0	1096006.0	0.061781	Y



Calibration

/ Trichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

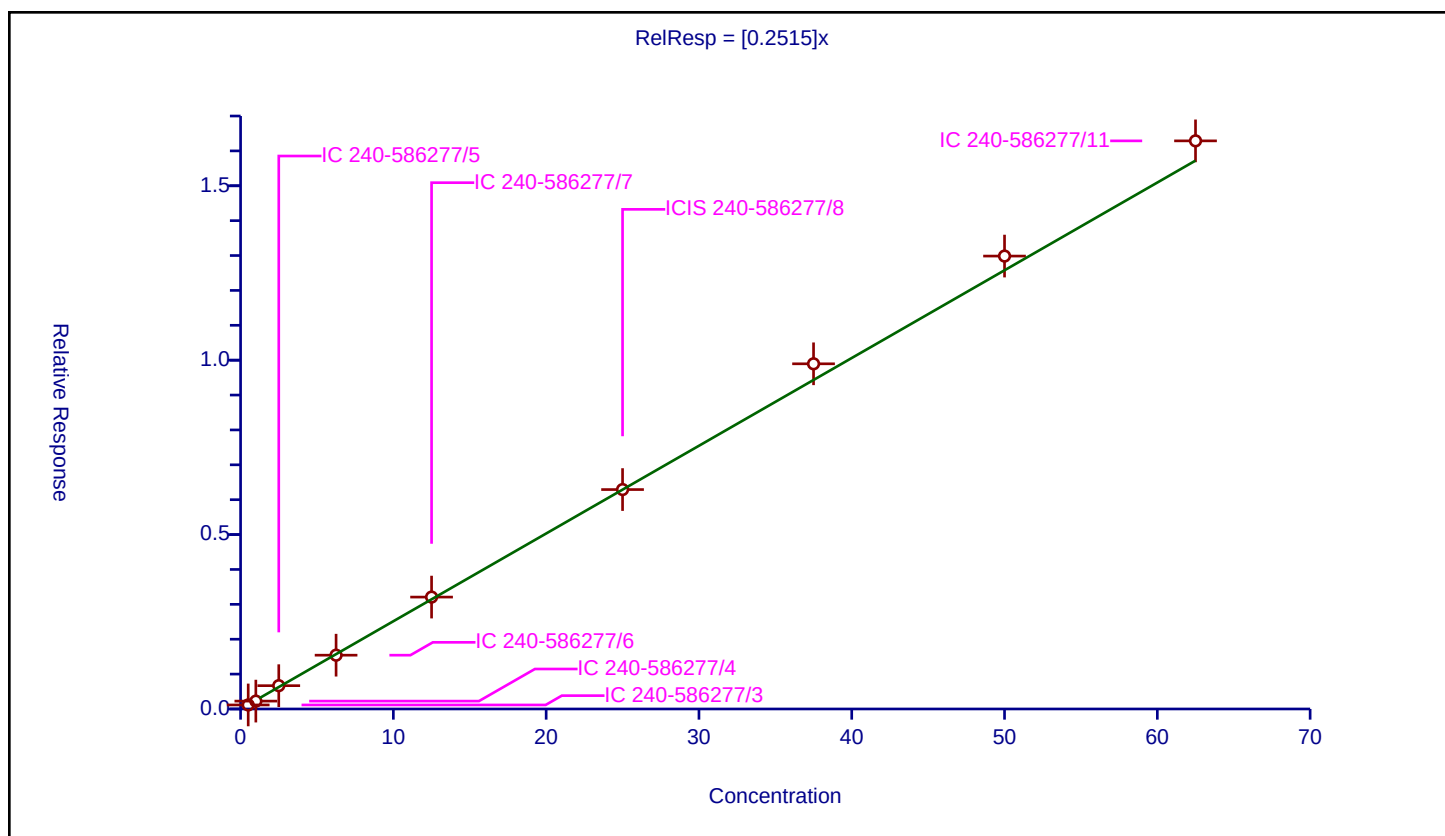
Curve Coefficients

Intercept: 0
Slope: 0.2515

Error Coefficients

Standard Error: 369000
Relative Standard Error: 5.8
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.115674	25.0	1051879.0	0.231348	Y
2	IC 240-586277/4	1.0	0.225685	25.0	1049917.0	0.225685	Y
3	IC 240-586277/5	2.5	0.668889	25.0	1064862.0	0.267556	Y
4	IC 240-586277/6	6.25	1.542753	25.0	1073762.0	0.246841	Y
5	IC 240-586277/7	12.5	3.208444	25.0	1059322.0	0.256675	Y
6	ICIS 240-586277/8	25.0	6.290638	25.0	1094885.0	0.251626	Y
7	IC 240-586277/9	37.5	9.896134	25.0	1049334.0	0.263897	Y
8	IC 240-586277/10	50.0	12.985069	25.0	1071987.0	0.259701	Y
9	IC 240-586277/11	62.5	16.287685	25.0	1096006.0	0.260603	Y



Calibration

/ Methylcyclohexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

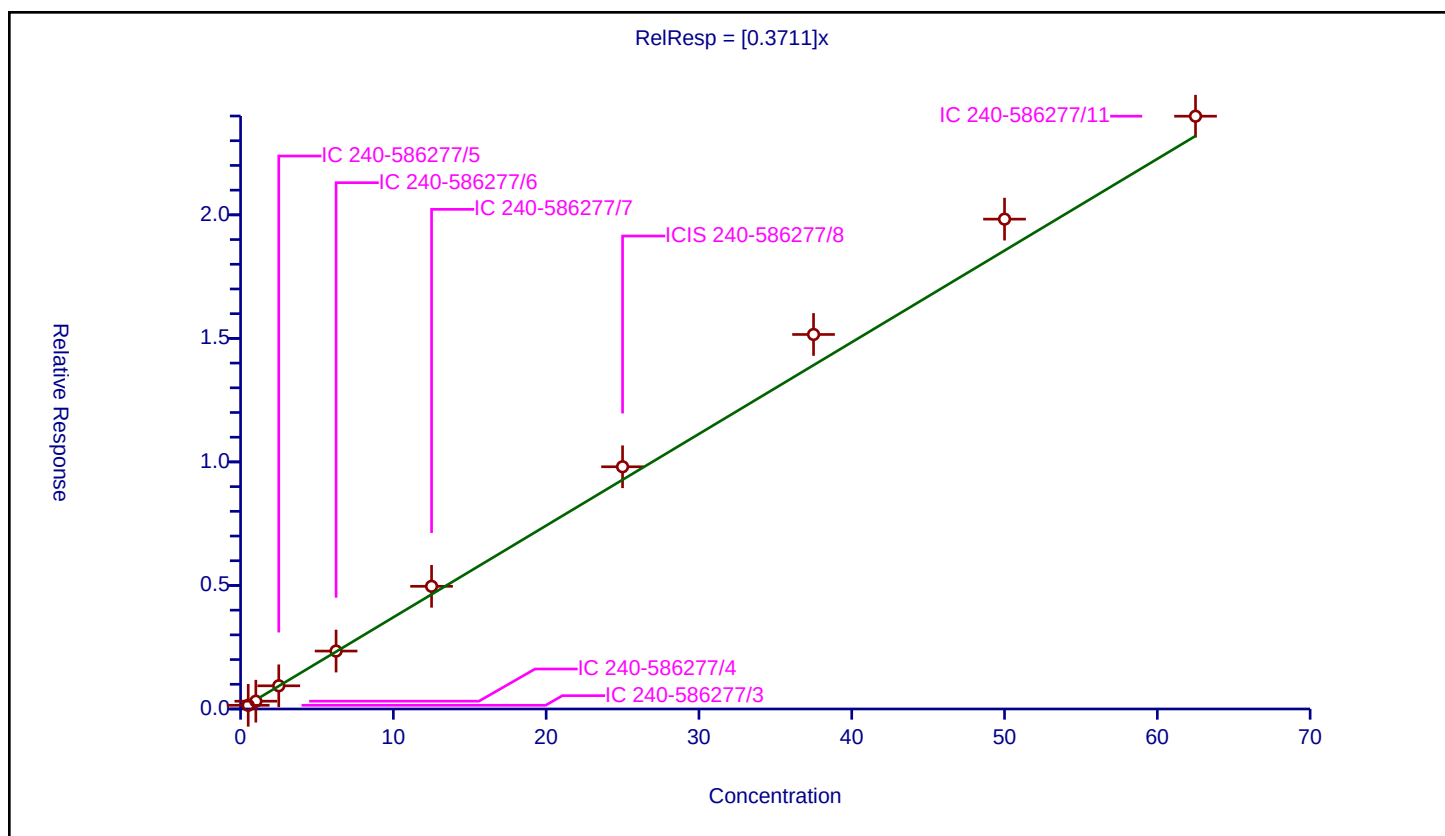
Curve Coefficients

Intercept: 0
Slope: 0.3711

Error Coefficients

Standard Error: 556000
Relative Standard Error: 10.1
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.149661	25.0	1051879.0	0.299321	Y
2	IC 240-586277/4	1.0	0.315596	25.0	1049917.0	0.315596	Y
3	IC 240-586277/5	2.5	0.938924	25.0	1064862.0	0.37557	Y
4	IC 240-586277/6	6.25	2.344863	25.0	1073762.0	0.375178	Y
5	IC 240-586277/7	12.5	4.965865	25.0	1059322.0	0.397269	Y
6	ICIS 240-586277/8	25.0	9.804089	25.0	1094885.0	0.392164	Y
7	IC 240-586277/9	37.5	15.158043	25.0	1049334.0	0.404214	Y
8	IC 240-586277/10	50.0	19.826523	25.0	1071987.0	0.39653	Y
9	IC 240-586277/11	62.5	23.992797	25.0	1096006.0	0.383885	Y



Calibration

/ 1,2-Dichloropropane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

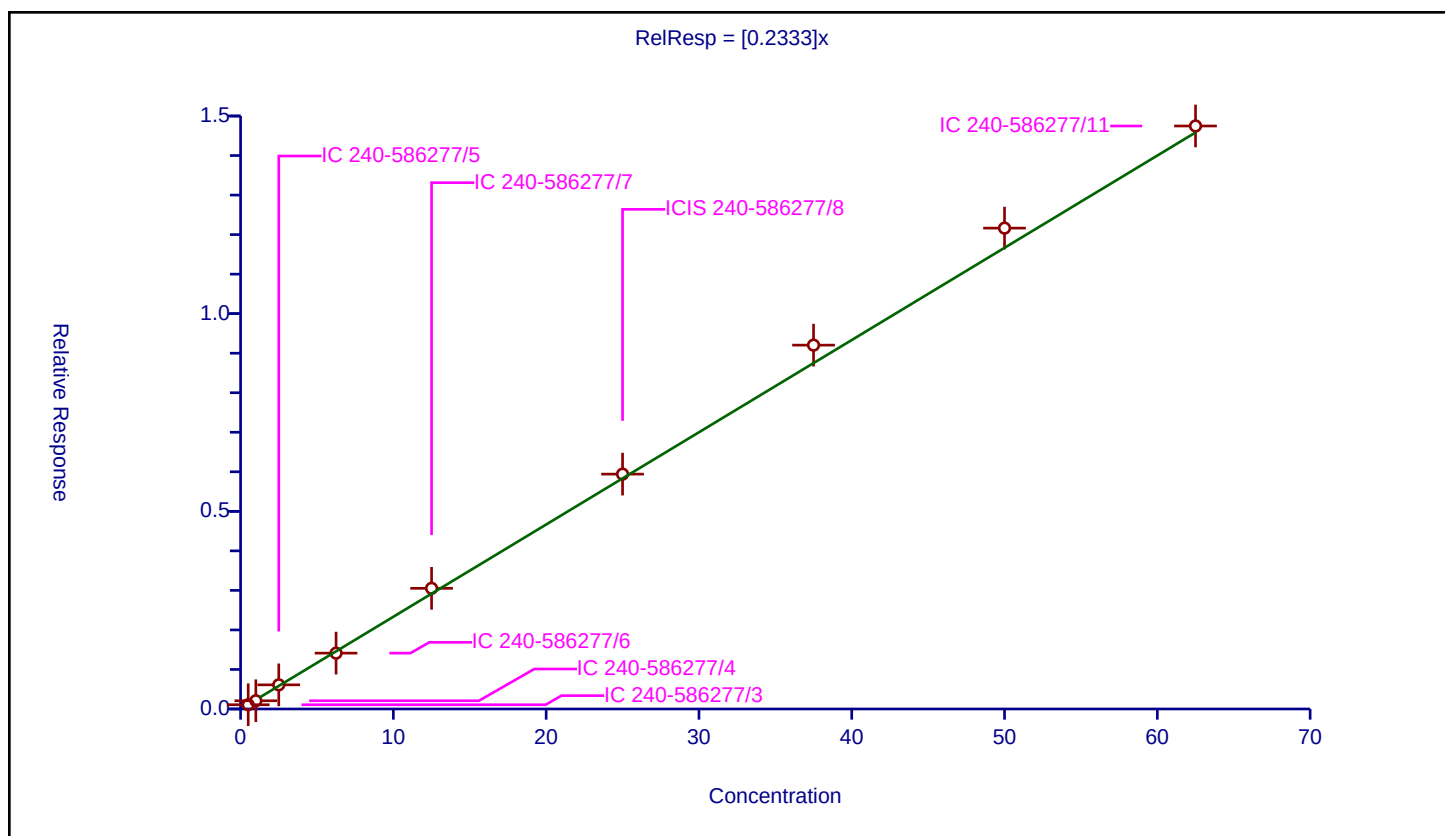
Curve Coefficients

Intercept: 0
 Slope: 0.2333

Error Coefficients

Standard Error: 341000
 Relative Standard Error: 5.9
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.107474	25.0	1051879.0	0.214949	Y
2	IC 240-586277/4	1.0	0.208231	25.0	1049917.0	0.208231	Y
3	IC 240-586277/5	2.5	0.610713	25.0	1064862.0	0.244285	Y
4	IC 240-586277/6	6.25	1.41258	25.0	1073762.0	0.226013	Y
5	IC 240-586277/7	12.5	3.052046	25.0	1059322.0	0.244164	Y
6	ICIS 240-586277/8	25.0	5.941126	25.0	1094885.0	0.237645	Y
7	IC 240-586277/9	37.5	9.203814	25.0	1049334.0	0.245435	Y
8	IC 240-586277/10	50.0	12.163884	25.0	1071987.0	0.243278	Y
9	IC 240-586277/11	62.5	14.747775	25.0	1096006.0	0.235964	Y



Calibration

/ Dibromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

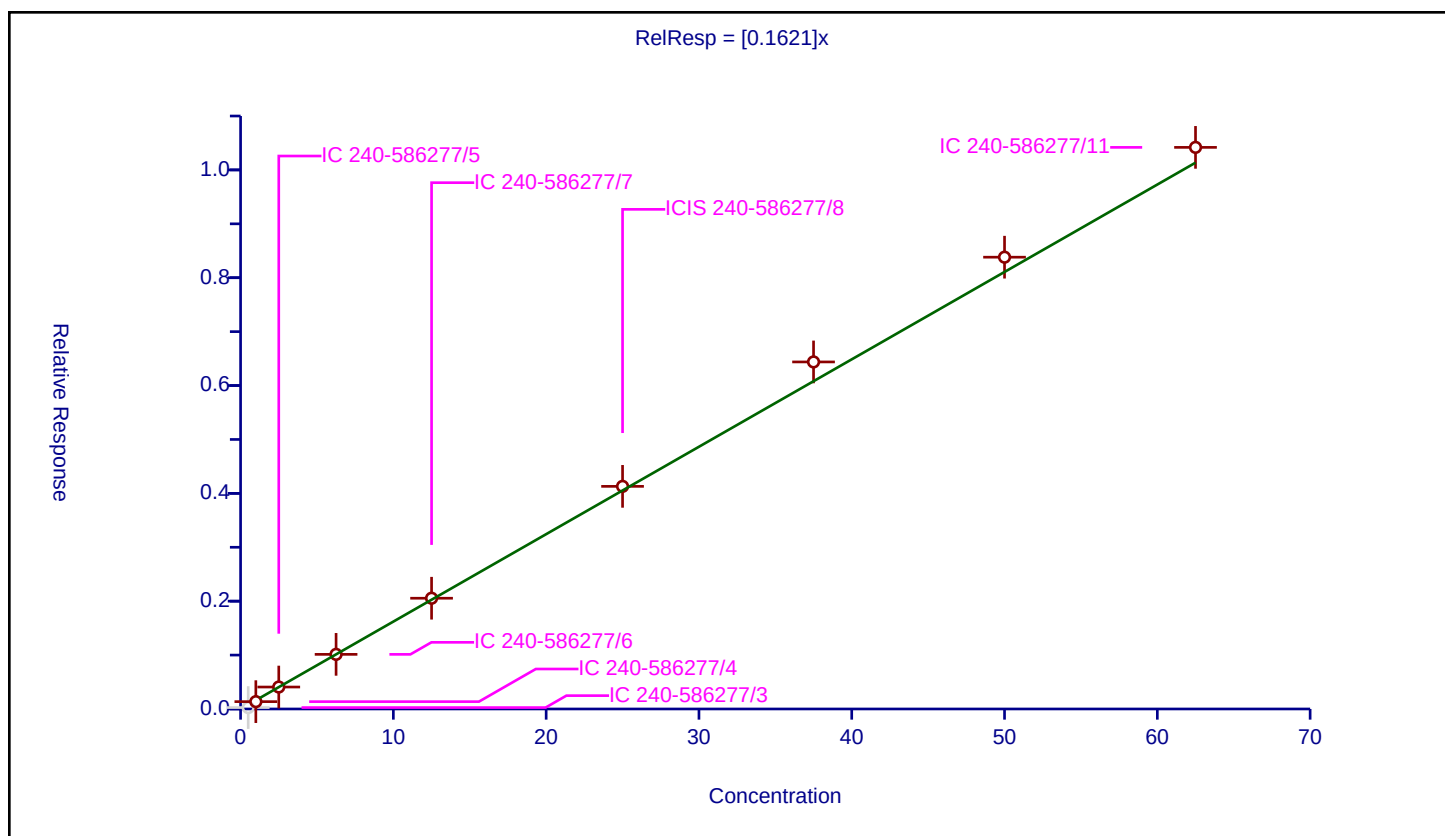
Curve Coefficients

Intercept: 0
Slope: 0.1621

Error Coefficients

Standard Error: 254000
Relative Standard Error: 6.7
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.026405	25.0	1051879.0	0.05281	N
2	IC 240-586277/4	1.0	0.136487	25.0	1049917.0	0.136487	Y
3	IC 240-586277/5	2.5	0.407447	25.0	1064862.0	0.162979	Y
4	IC 240-586277/6	6.25	1.013306	25.0	1073762.0	0.162129	Y
5	IC 240-586277/7	12.5	2.054734	25.0	1059322.0	0.164379	Y
6	ICIS 240-586277/8	25.0	4.129886	25.0	1094885.0	0.165195	Y
7	IC 240-586277/9	37.5	6.438155	25.0	1049334.0	0.171684	Y
8	IC 240-586277/10	50.0	8.380909	25.0	1071987.0	0.167618	Y
9	IC 240-586277/11	62.5	10.418054	25.0	1096006.0	0.166689	Y



Calibration

/ 1,4-Dioxane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

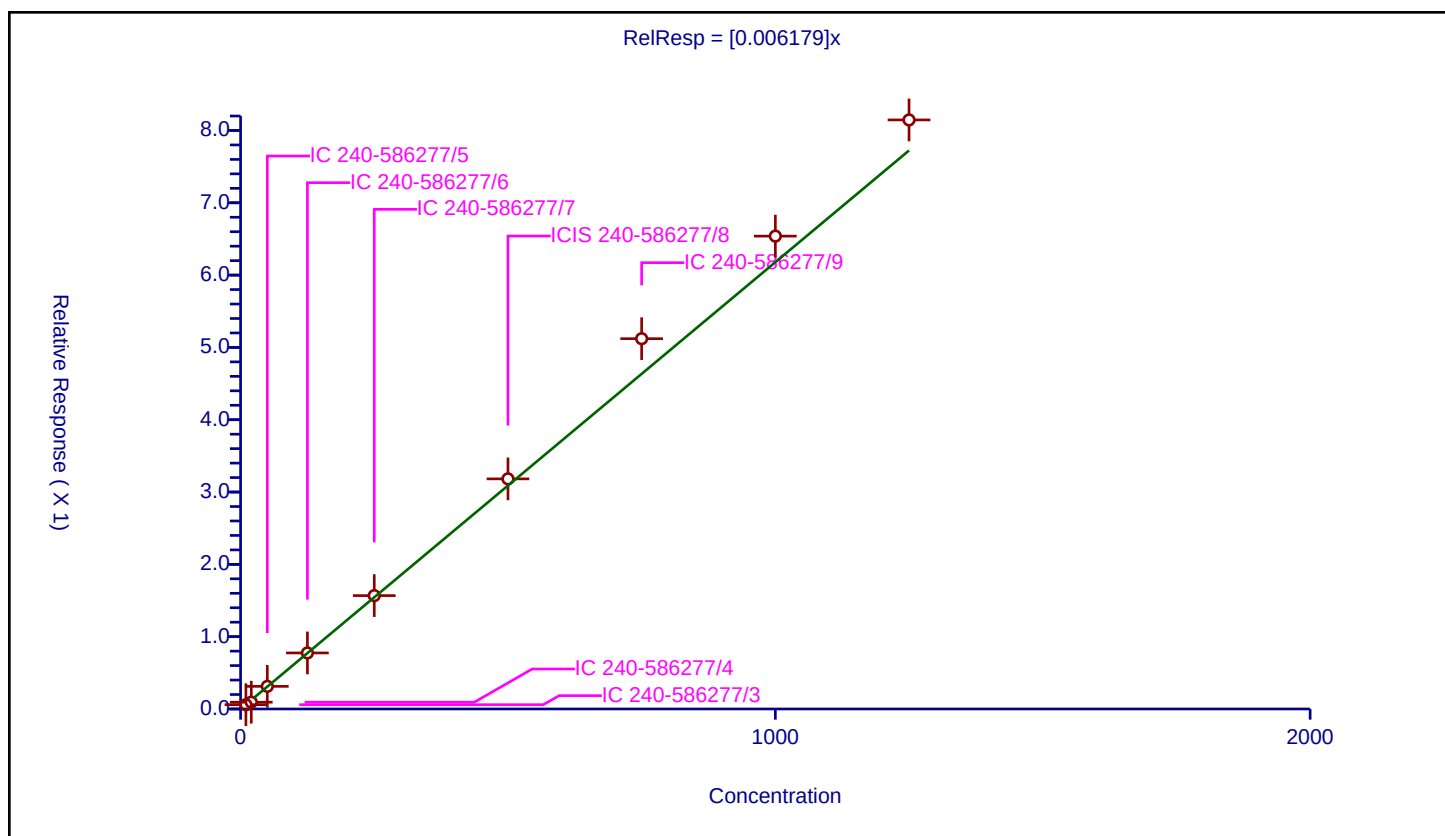
Curve Coefficients

Intercept: 0
Slope: 0.006179

Error Coefficients

Standard Error: 186000
Relative Standard Error: 9.9
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	10.0	0.05937	25.0	1051879.0	0.005937	Y
2	IC 240-586277/4	20.0	0.093888	25.0	1049917.0	0.004694	Y
3	IC 240-586277/5	50.0	0.312998	25.0	1064862.0	0.00626	Y
4	IC 240-586277/6	125.0	0.774846	25.0	1073762.0	0.006199	Y
5	IC 240-586277/7	250.0	1.567748	25.0	1059322.0	0.006271	Y
6	ICIS 240-586277/8	500.0	3.182184	25.0	1094885.0	0.006364	Y
7	IC 240-586277/9	750.0	5.120939	25.0	1049334.0	0.006828	Y
8	IC 240-586277/10	1000.0	6.539165	25.0	1071987.0	0.006539	Y
9	IC 240-586277/11	1250.0	8.145964	25.0	1096006.0	0.006517	Y



Calibration

/ Dichlorobromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

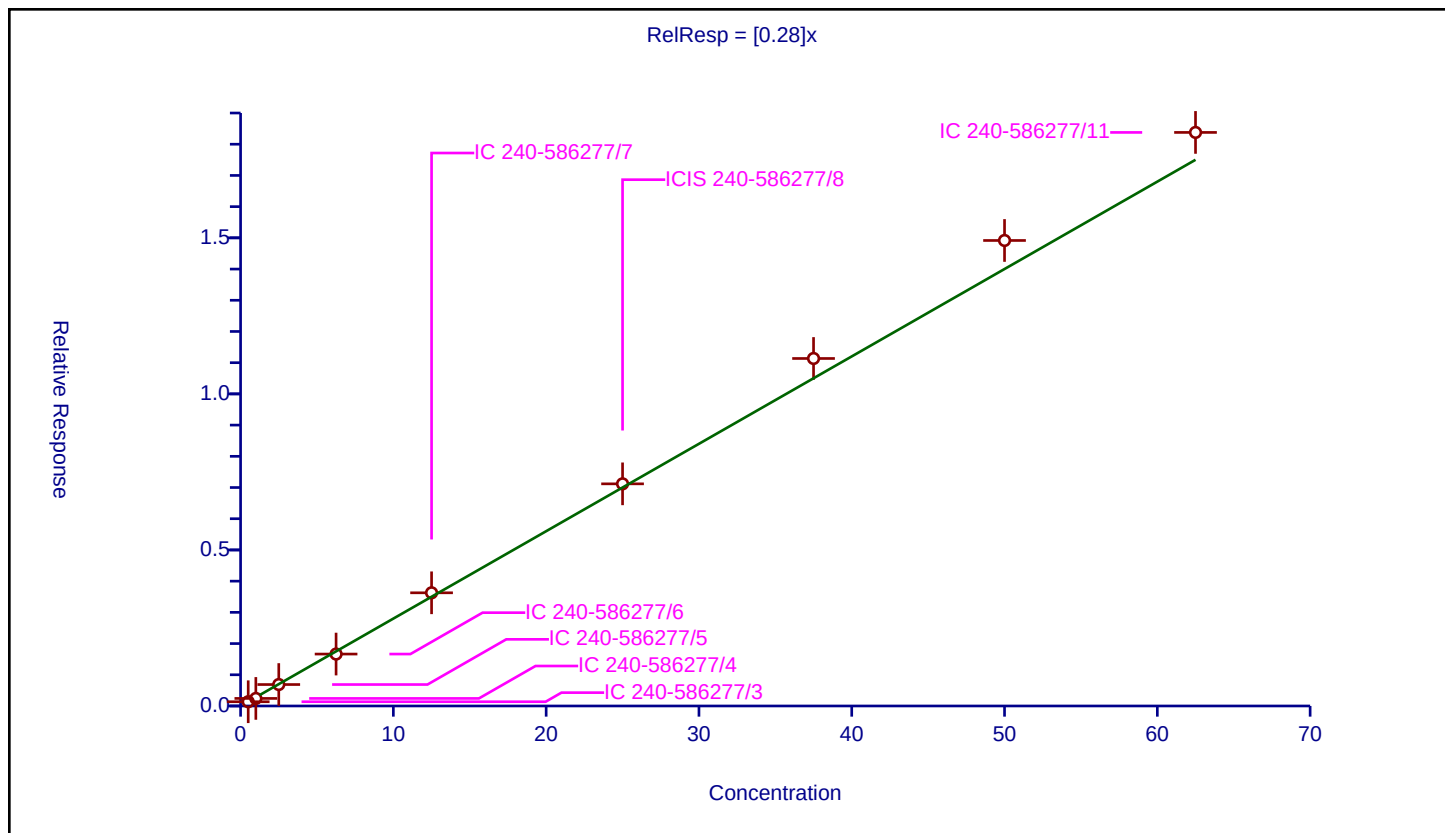
Curve Coefficients

Intercept: 0
Slope: 0.28

Error Coefficients

Standard Error: 419000
Relative Standard Error: 6.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.136494	25.0	1051879.0	0.272988	Y
2	IC 240-586277/4	1.0	0.241829	25.0	1049917.0	0.241829	Y
3	IC 240-586277/5	2.5	0.687554	25.0	1064862.0	0.275022	Y
4	IC 240-586277/6	6.25	1.663707	25.0	1073762.0	0.266193	Y
5	IC 240-586277/7	12.5	3.626801	25.0	1059322.0	0.290144	Y
6	ICIS 240-586277/8	25.0	7.118213	25.0	1094885.0	0.284729	Y
7	IC 240-586277/9	37.5	11.135063	25.0	1049334.0	0.296935	Y
8	IC 240-586277/10	50.0	14.915829	25.0	1071987.0	0.298317	Y
9	IC 240-586277/11	62.5	18.377979	25.0	1096006.0	0.294048	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

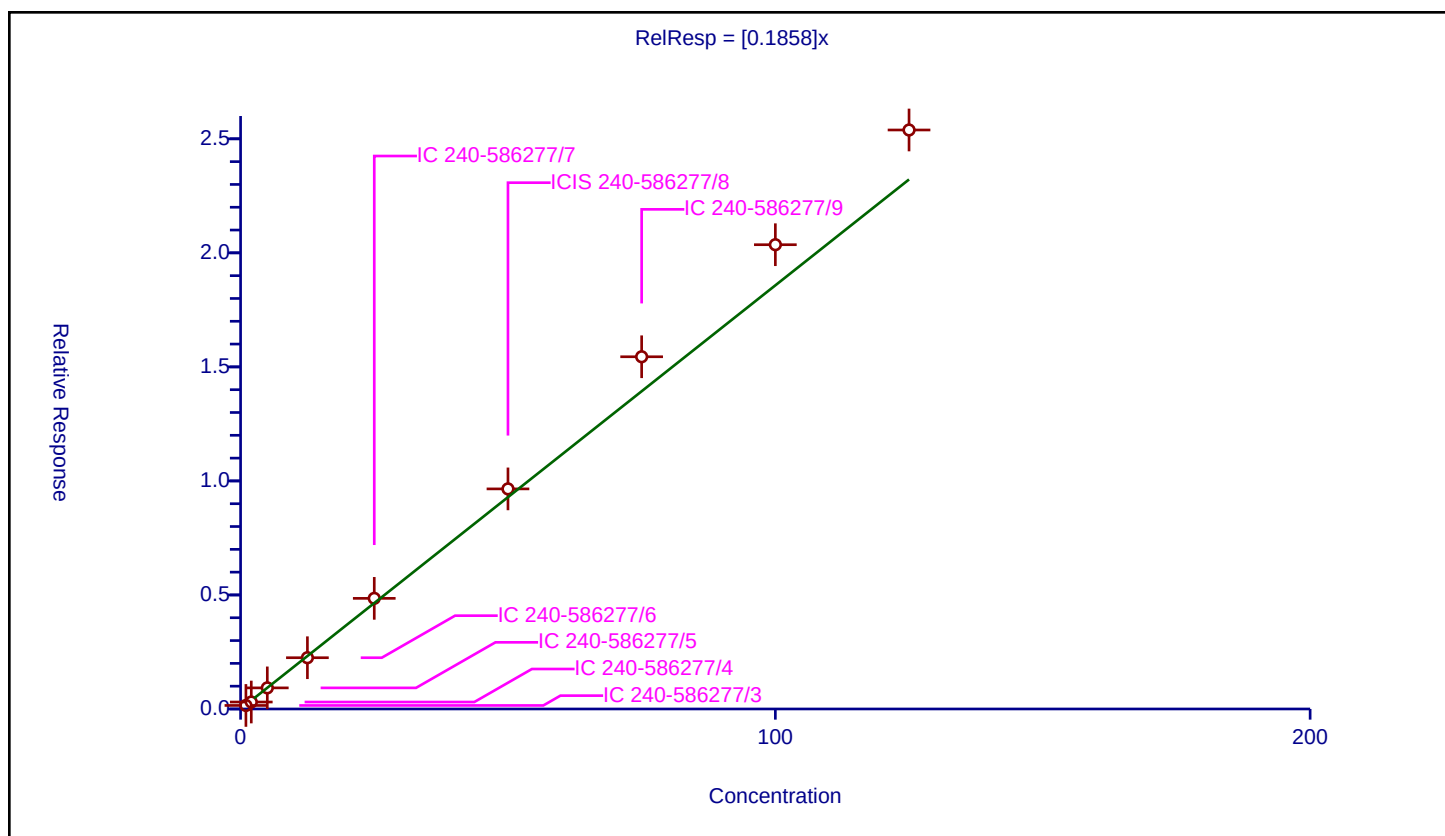
Curve Coefficients

Intercept: 0
Slope: 0.1858

Error Coefficients

Standard Error: 576000
Relative Standard Error: 10.9
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	1.0	0.154485	25.0	1051879.0	0.154485	Y
2	IC 240-586277/4	2.0	0.305334	25.0	1049917.0	0.152667	Y
3	IC 240-586277/5	5.0	0.925472	25.0	1064862.0	0.185094	Y
4	IC 240-586277/6	12.5	2.248217	25.0	1073762.0	0.179857	Y
5	IC 240-586277/7	25.0	4.850815	25.0	1059322.0	0.194033	Y
6	ICIS 240-586277/8	50.0	9.650899	25.0	1094885.0	0.193018	Y
7	IC 240-586277/9	75.0	15.444558	25.0	1049334.0	0.205927	Y
8	IC 240-586277/10	100.0	20.35757	25.0	1071987.0	0.203576	Y
9	IC 240-586277/11	125.0	25.386996	25.0	1096006.0	0.203096	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

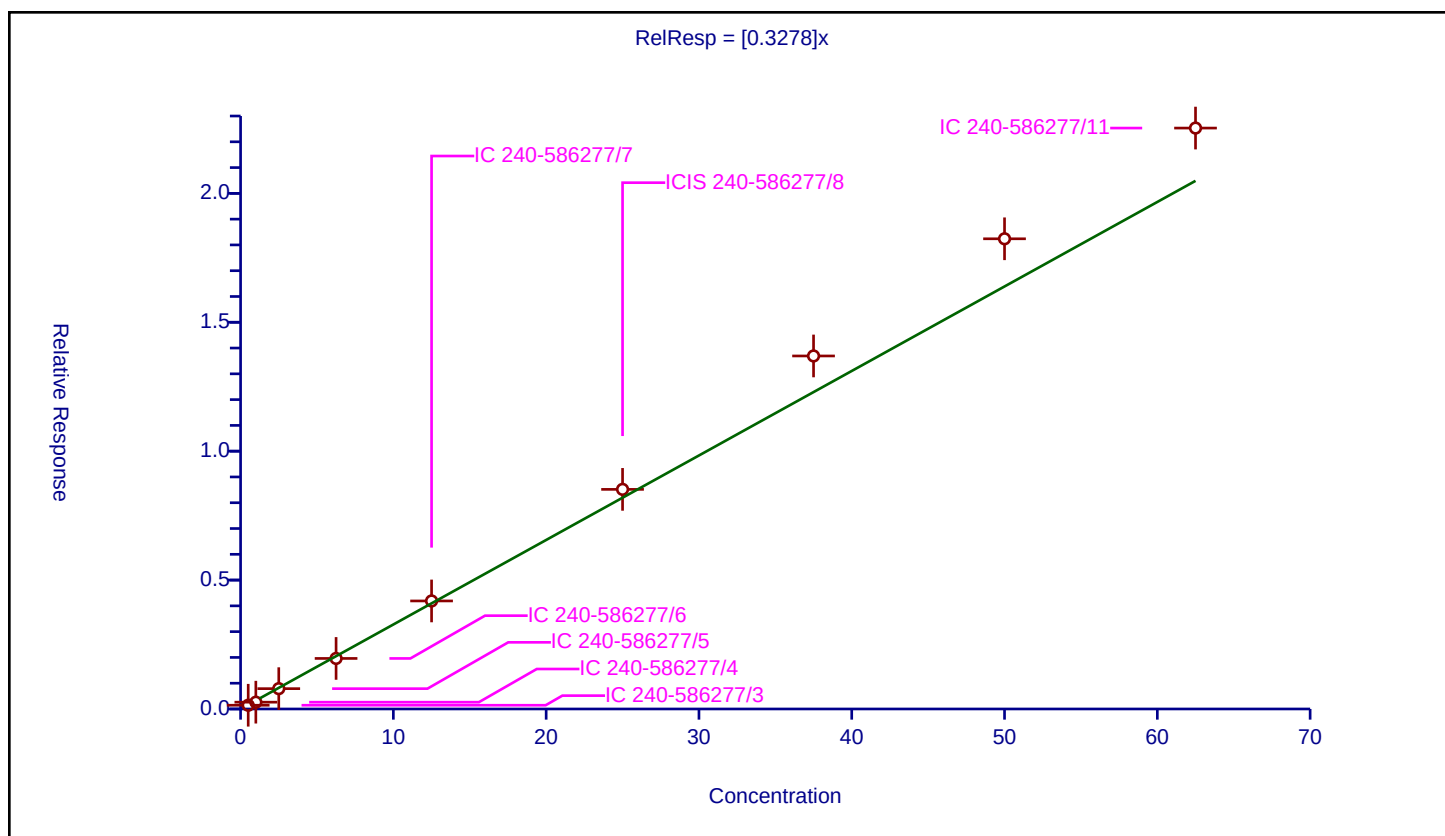
Curve Coefficients

Intercept: 0
Slope: 0.3278

Error Coefficients

Standard Error: 512000
Relative Standard Error: 10.7
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.145097	25.0	1051879.0	0.290195	Y
2	IC 240-586277/4	1.0	0.264211	25.0	1049917.0	0.264211	Y
3	IC 240-586277/5	2.5	0.788764	25.0	1064862.0	0.315506	Y
4	IC 240-586277/6	6.25	1.960374	25.0	1073762.0	0.31366	Y
5	IC 240-586277/7	12.5	4.190511	25.0	1059322.0	0.335241	Y
6	ICIS 240-586277/8	25.0	8.51868	25.0	1094885.0	0.340747	Y
7	IC 240-586277/9	37.5	13.692637	25.0	1049334.0	0.365137	Y
8	IC 240-586277/10	50.0	18.237628	25.0	1071987.0	0.364753	Y
9	IC 240-586277/11	62.5	22.532678	25.0	1096006.0	0.360523	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

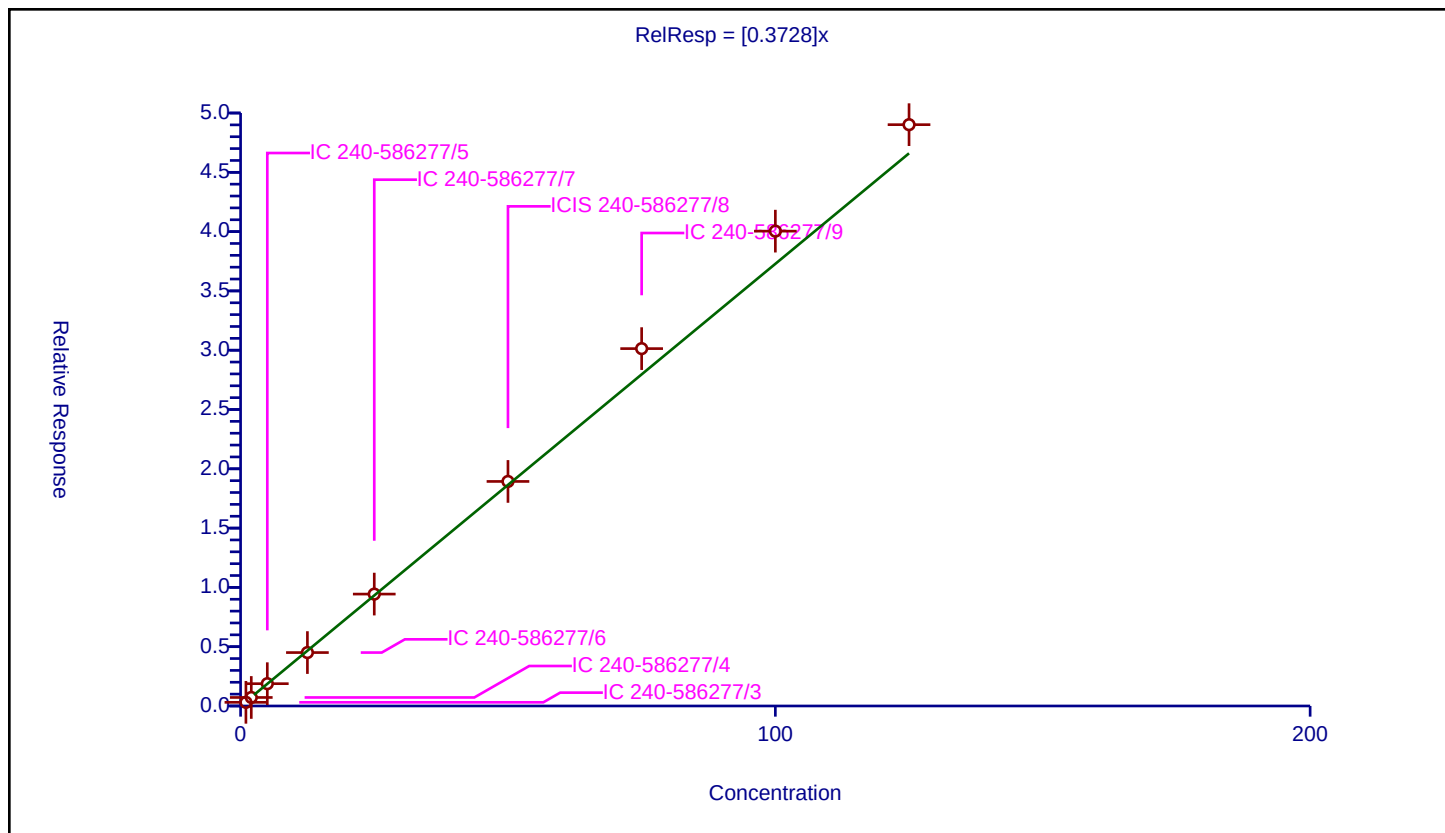
Curve Coefficients

Intercept: 0
Slope: 0.3728

Error Coefficients

Standard Error: 1120000
Relative Standard Error: 7.6
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	1.0	0.309304	25.0	1051879.0	0.309304	Y
2	IC 240-586277/4	2.0	0.718104	25.0	1049917.0	0.359052	Y
3	IC 240-586277/5	5.0	1.881183	25.0	1064862.0	0.376237	Y
4	IC 240-586277/6	12.5	4.505002	25.0	1073762.0	0.3604	Y
5	IC 240-586277/7	25.0	9.434926	25.0	1059322.0	0.377397	Y
6	ICIS 240-586277/8	50.0	18.933016	25.0	1094885.0	0.37866	Y
7	IC 240-586277/9	75.0	30.134638	25.0	1049334.0	0.401795	Y
8	IC 240-586277/10	100.0	40.039152	25.0	1071987.0	0.400392	Y
9	IC 240-586277/11	125.0	49.01652	25.0	1096006.0	0.392132	Y



Calibration

/ Toluene-d8 (Surr)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

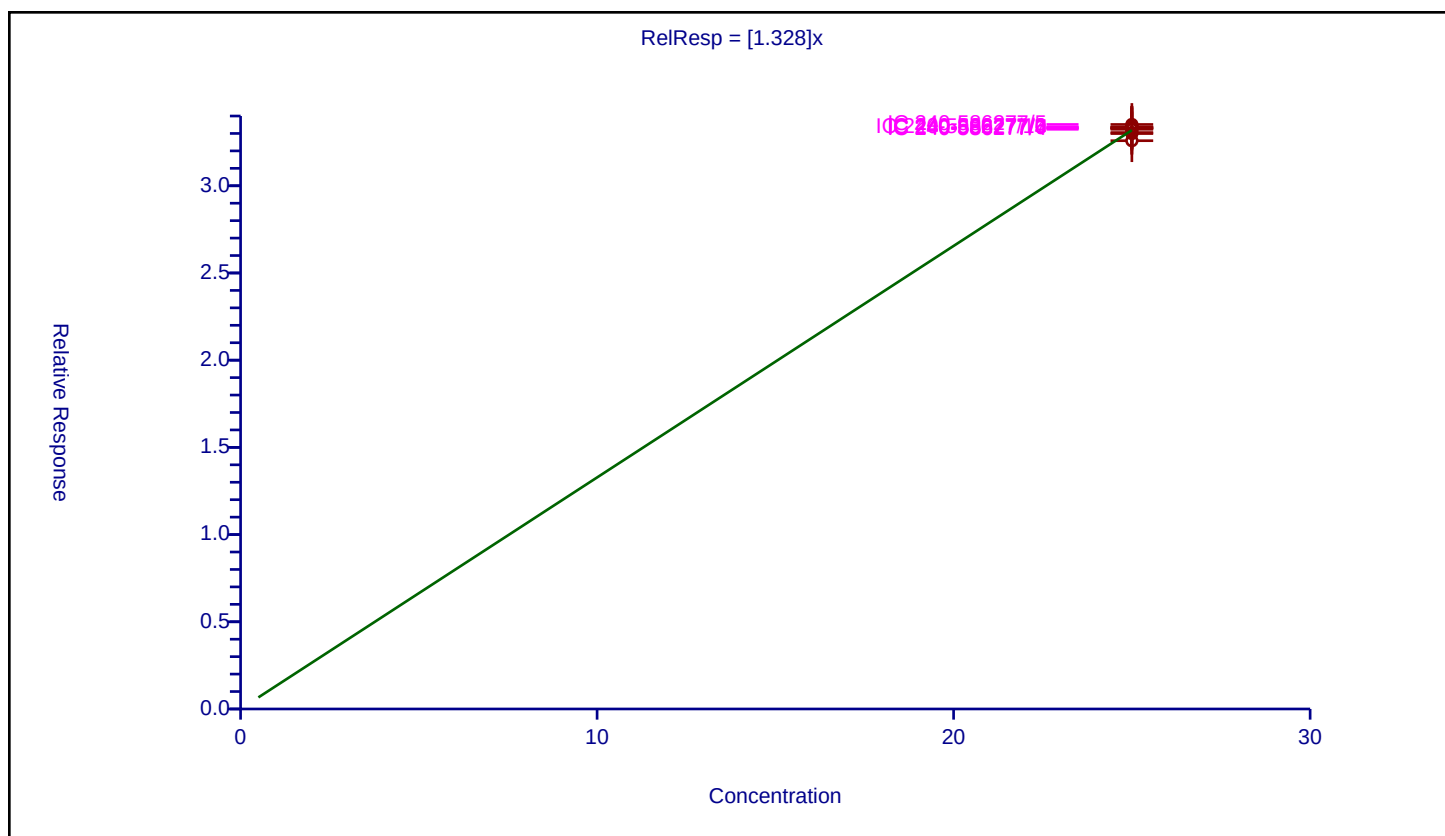
Curve Coefficients

Intercept: 0
 Slope: 1.328

Error Coefficients

Standard Error: 1110000
 Relative Standard Error: 0.8
 Correlation Coefficient: NA
 Coefficient of Determination (Adjusted): 0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	25.0	33.359823	25.0	783644.0	1.334393	Y
2	IC 240-586277/4	25.0	33.239043	25.0	770053.0	1.329562	Y
3	IC 240-586277/5	25.0	33.515115	25.0	778178.0	1.340605	Y
4	IC 240-586277/6	25.0	33.278106	25.0	791579.0	1.331124	Y
5	IC 240-586277/7	25.0	33.329529	25.0	779837.0	1.333181	Y
6	ICIS 240-586277/8	25.0	32.993743	25.0	806193.0	1.31975	Y
7	IC 240-586277/9	25.0	33.051917	25.0	788778.0	1.322077	Y
8	IC 240-586277/10	25.0	33.347169	25.0	800463.0	1.333887	Y
9	IC 240-586277/11	25.0	32.584715	25.0	818630.0	1.303389	Y



Calibration

/ Toluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

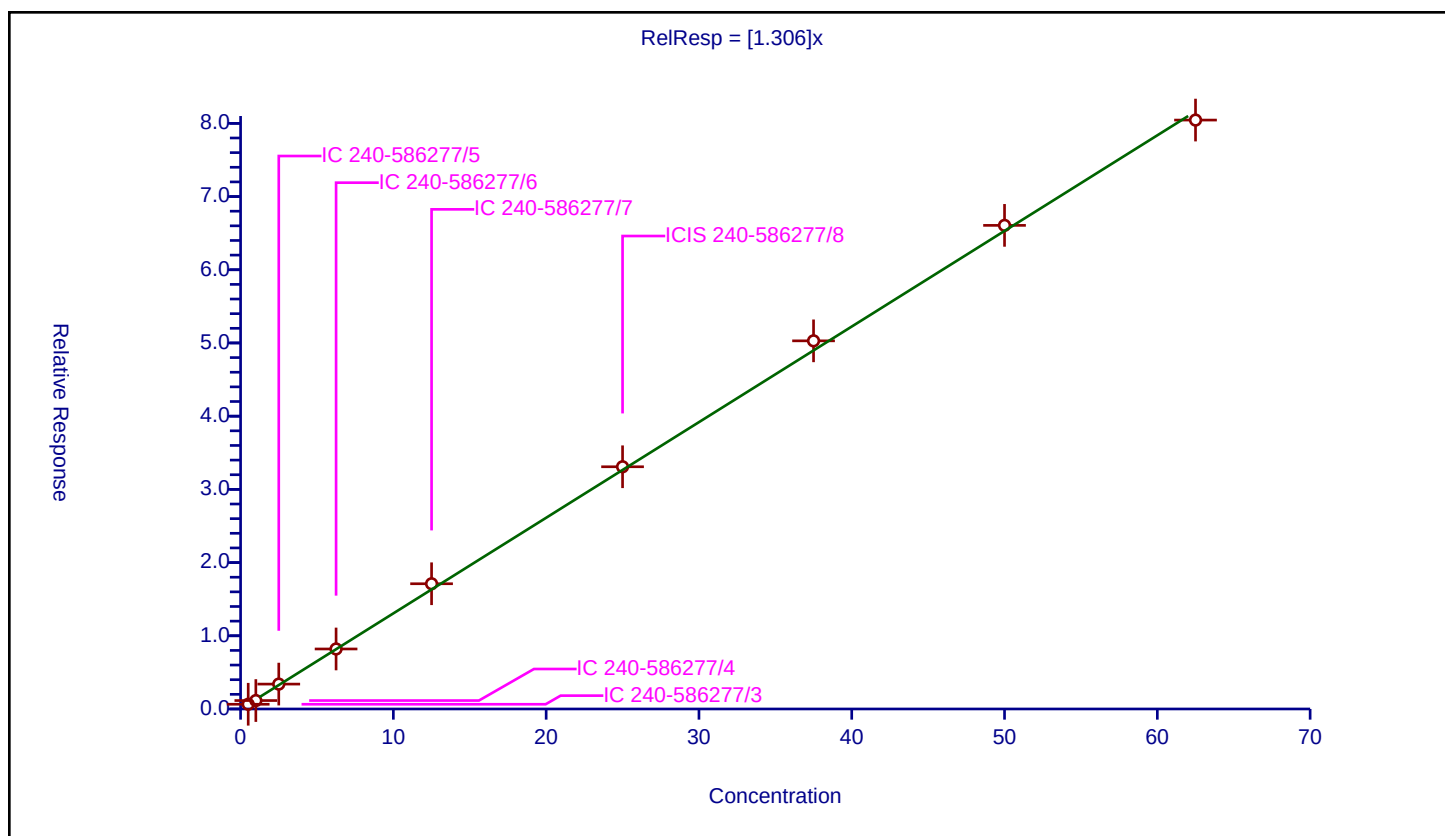
Curve Coefficients

Intercept: 0
Slope: 1.306

Error Coefficients

Standard Error: 1390000
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 240-586277/3	0.5	0.644872	25.0	783644.0	1.289744	Y
2	IC 240-586277/4	1.0	1.152258	25.0	770053.0	1.152258	Y
3	IC 240-586277/5	2.5	3.398837	25.0	778178.0	1.359535	Y
4	IC 240-586277/6	6.25	8.197097	25.0	791579.0	1.311536	Y
5	IC 240-586277/7	12.5	17.105914	25.0	779837.0	1.368473	Y
6	ICIS 240-586277/8	25.0	33.087859	25.0	806193.0	1.323514	Y
7	IC 240-586277/9	37.5	50.288421	25.0	788778.0	1.341025	Y
8	IC 240-586277/10	50.0	66.062204	25.0	800463.0	1.321244	Y
9	IC 240-586277/11	62.5	80.445623	25.0	818630.0	1.28713	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

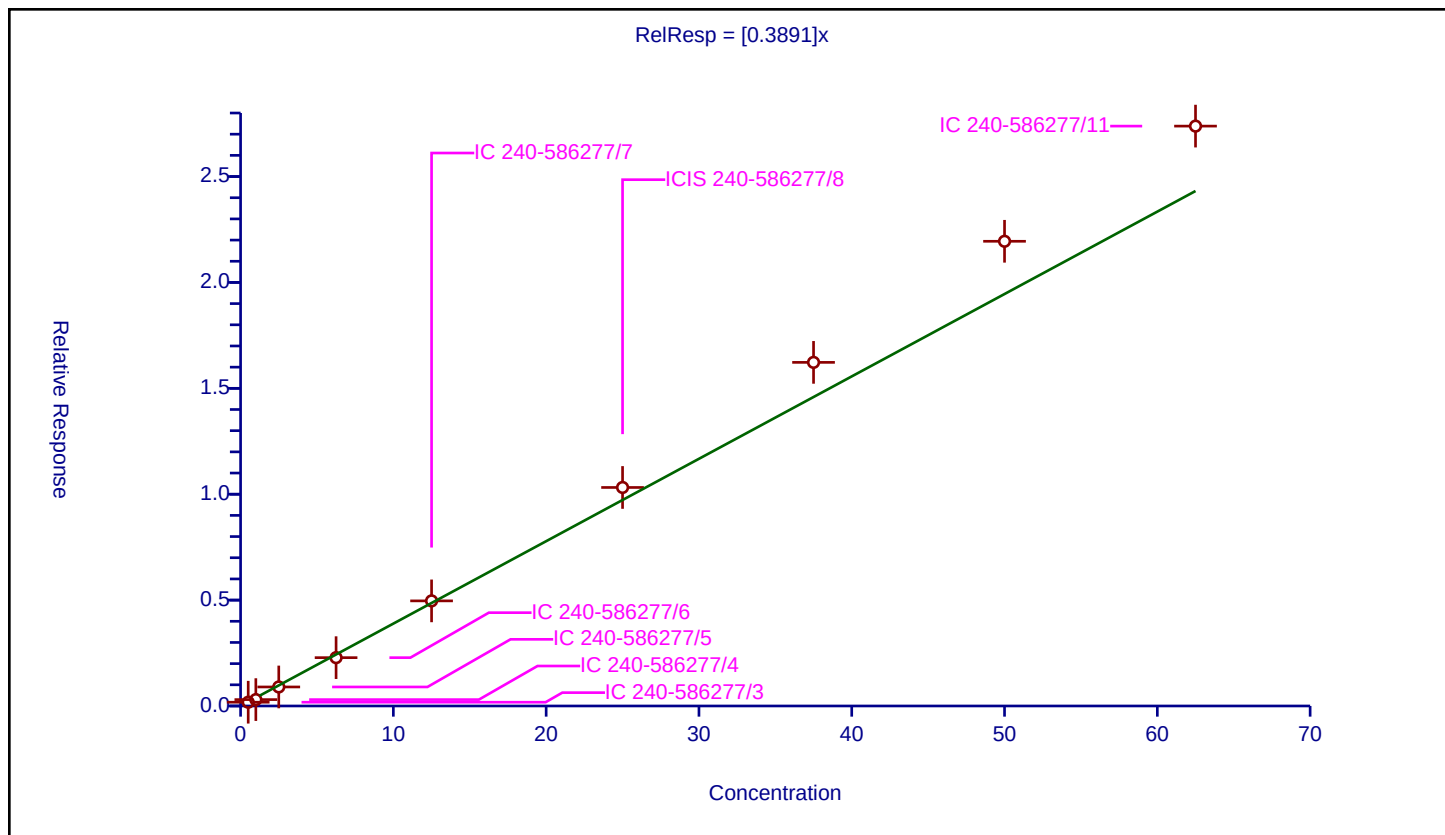
Curve Coefficients

Intercept: 0
Slope: 0.3891

Error Coefficients

Standard Error: 461000
Relative Standard Error: 12.0
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.177951	25.0	783644.0	0.355901	Y
2	IC 240-586277/4	1.0	0.30196	25.0	770053.0	0.30196	Y
3	IC 240-586277/5	2.5	0.897899	25.0	778178.0	0.359159	Y
4	IC 240-586277/6	6.25	2.282084	25.0	791579.0	0.365133	Y
5	IC 240-586277/7	12.5	4.962736	25.0	779837.0	0.397019	Y
6	ICIS 240-586277/8	25.0	10.318311	25.0	806193.0	0.412732	Y
7	IC 240-586277/9	37.5	16.225161	25.0	788778.0	0.432671	Y
8	IC 240-586277/10	50.0	21.943394	25.0	800463.0	0.438868	Y
9	IC 240-586277/11	62.5	27.381601	25.0	818630.0	0.438106	Y



Calibration

/ Ethyl methacrylate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

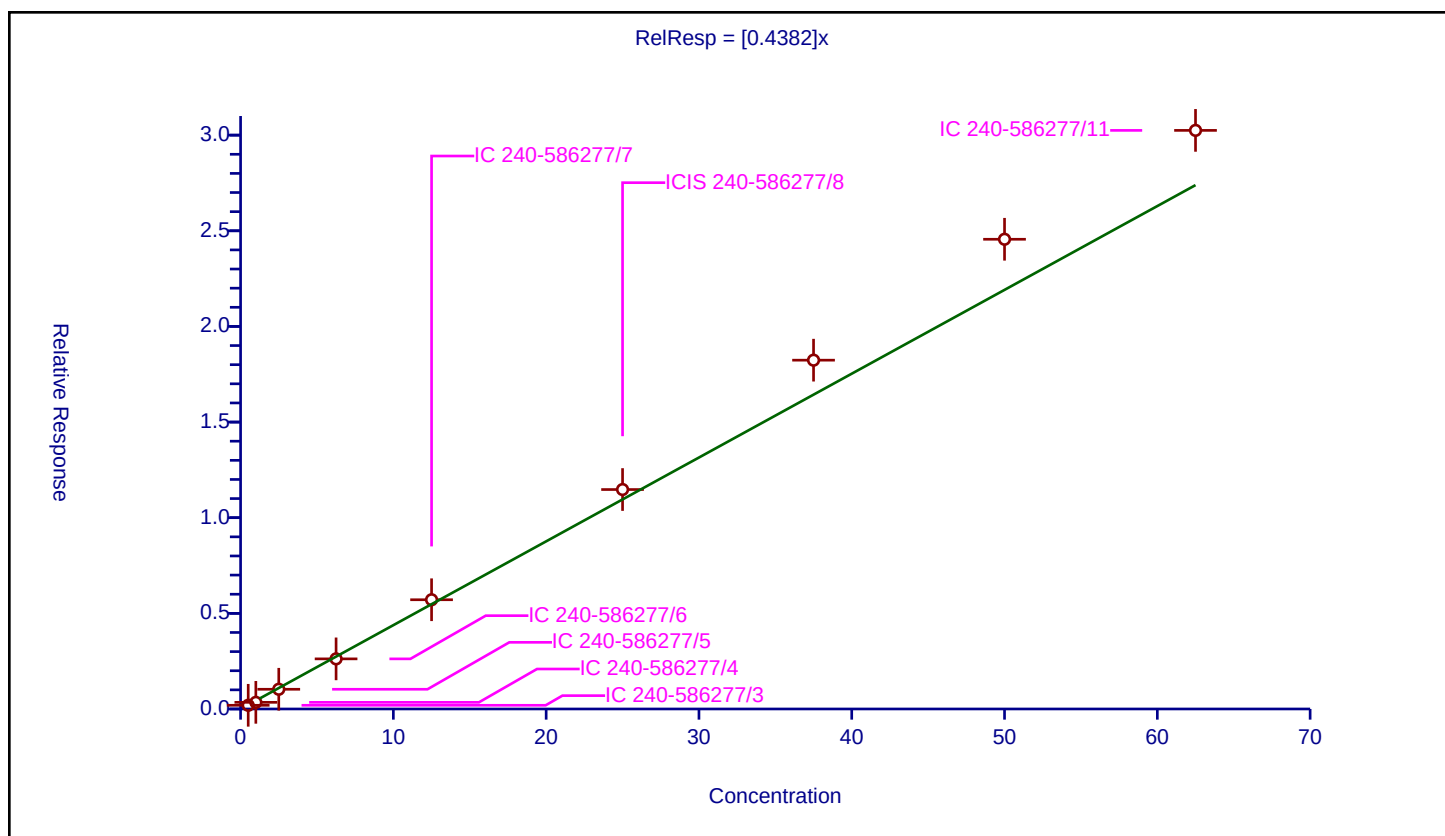
Curve Coefficients

Intercept: 0
Slope: 0.4382

Error Coefficients

Standard Error: 513000
Relative Standard Error: 11.3
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.193455	25.0	783644.0	0.38691	Y
2	IC 240-586277/4	1.0	0.348418	25.0	770053.0	0.348418	Y
3	IC 240-586277/5	2.5	1.030613	25.0	778178.0	0.412245	Y
4	IC 240-586277/6	6.25	2.619985	25.0	791579.0	0.419198	Y
5	IC 240-586277/7	12.5	5.710841	25.0	779837.0	0.456867	Y
6	ICIS 240-586277/8	25.0	11.472656	25.0	806193.0	0.458906	Y
7	IC 240-586277/9	37.5	18.234915	25.0	788778.0	0.486264	Y
8	IC 240-586277/10	50.0	24.556694	25.0	800463.0	0.491134	Y
9	IC 240-586277/11	62.5	30.248128	25.0	818630.0	0.48397	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

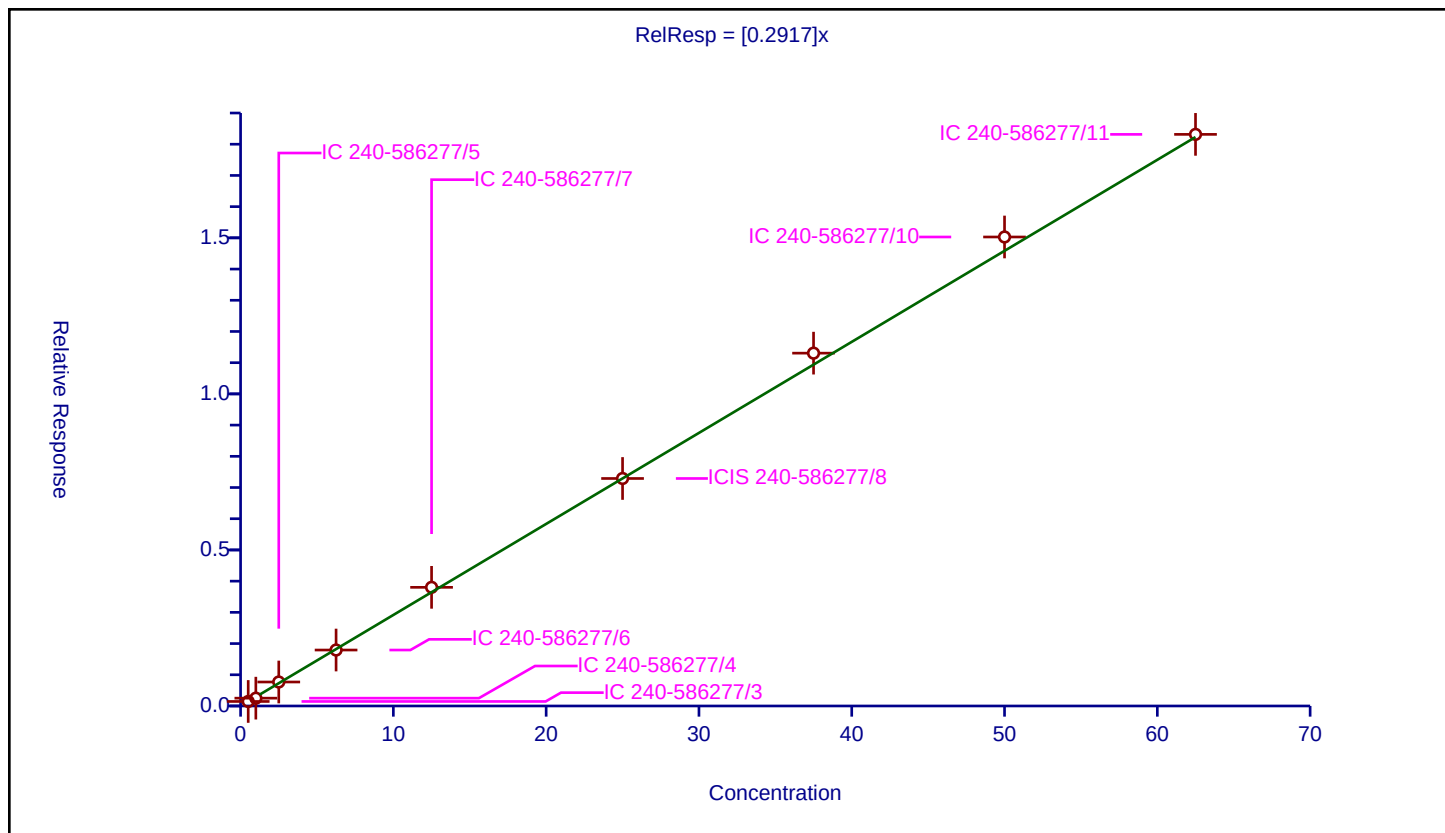
Curve Coefficients

Intercept: 0
Slope: 0.2917

Error Coefficients

Standard Error: 315000
Relative Standard Error: 5.8
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.144613	25.0	783644.0	0.289226	Y
2	IC 240-586277/4	1.0	0.250729	25.0	770053.0	0.250729	Y
3	IC 240-586277/5	2.5	0.768558	25.0	778178.0	0.307423	Y
4	IC 240-586277/6	6.25	1.792746	25.0	791579.0	0.286839	Y
5	IC 240-586277/7	12.5	3.802141	25.0	779837.0	0.304171	Y
6	ICIS 240-586277/8	25.0	7.28988	25.0	806193.0	0.291595	Y
7	IC 240-586277/9	37.5	11.305241	25.0	788778.0	0.301473	Y
8	IC 240-586277/10	50.0	15.02724	25.0	800463.0	0.300545	Y
9	IC 240-586277/11	62.5	18.315417	25.0	818630.0	0.293047	Y



Calibration

/ Tetrachloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

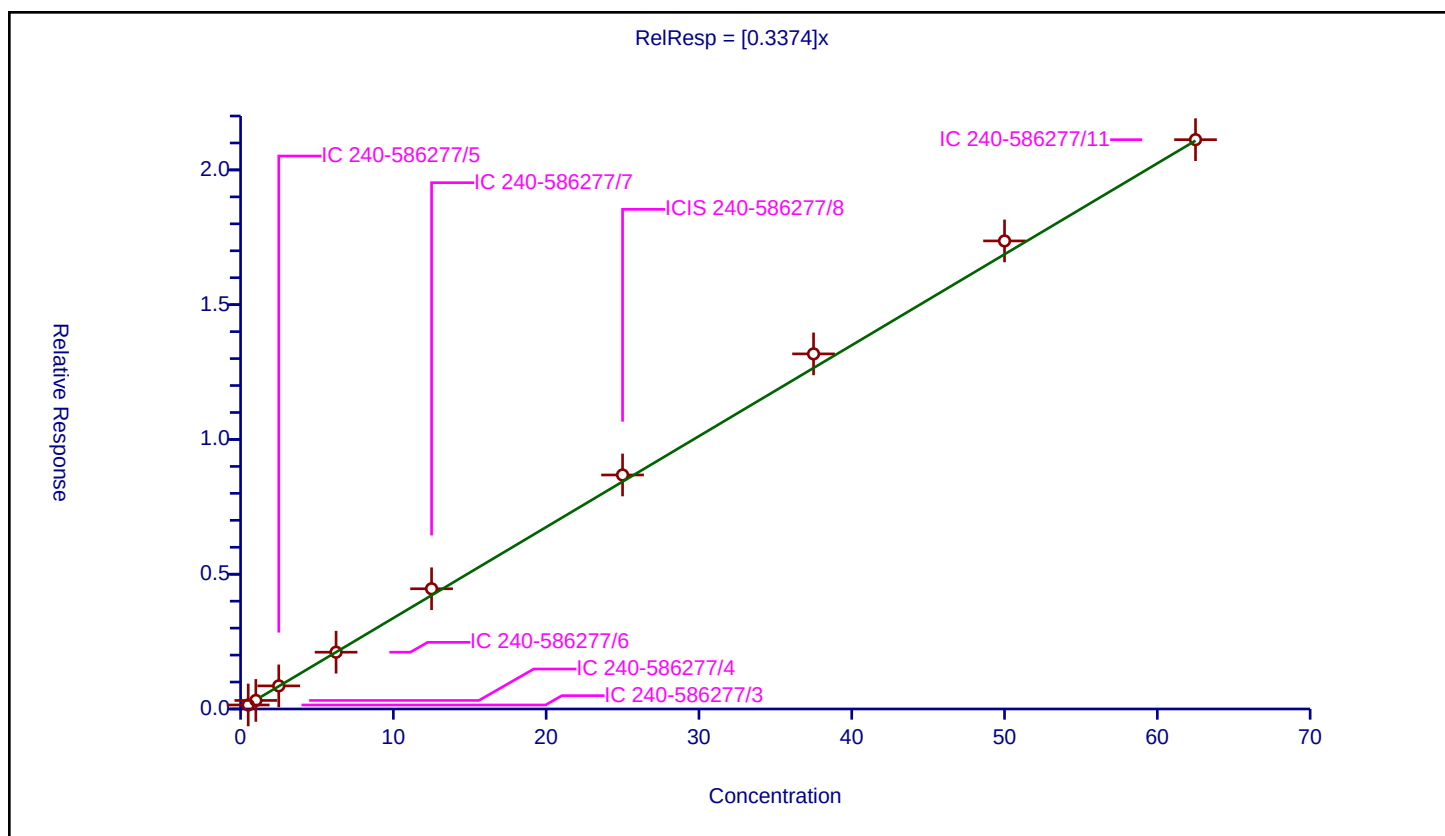
Curve Coefficients

Intercept: 0
Slope: 0.3374

Error Coefficients

Standard Error: 365000
Relative Standard Error: 5.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.149334	25.0	783644.0	0.298669	Y
2	IC 240-586277/4	1.0	0.316959	25.0	770053.0	0.316959	Y
3	IC 240-586277/5	2.5	0.857709	25.0	778178.0	0.343083	Y
4	IC 240-586277/6	6.25	2.106739	25.0	791579.0	0.337078	Y
5	IC 240-586277/7	12.5	4.460419	25.0	779837.0	0.356834	Y
6	ICIS 240-586277/8	25.0	8.682288	25.0	806193.0	0.347292	Y
7	IC 240-586277/9	37.5	13.174778	25.0	788778.0	0.351327	Y
8	IC 240-586277/10	50.0	17.365731	25.0	800463.0	0.347315	Y
9	IC 240-586277/11	62.5	21.121966	25.0	818630.0	0.337951	Y



Calibration

/ 1,3-Dichloropropane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

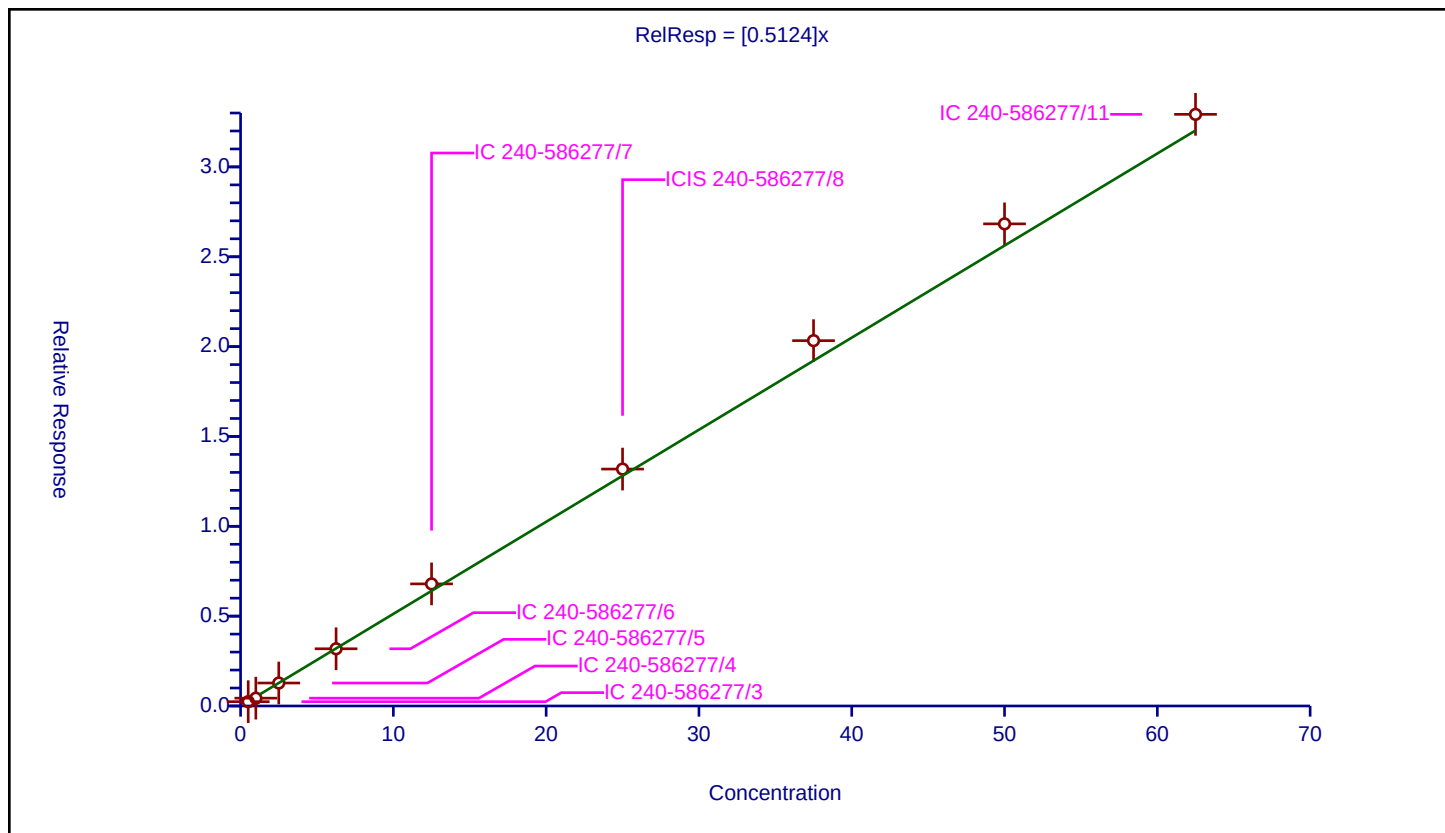
Curve Coefficients

Intercept: 0
 Slope: 0.5124

Error Coefficients

Standard Error: 565000
 Relative Standard Error: 6.9
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.239522	25.0	783644.0	0.479044	Y
2	IC 240-586277/4	1.0	0.435425	25.0	770053.0	0.435425	Y
3	IC 240-586277/5	2.5	1.278853	25.0	778178.0	0.511541	Y
4	IC 240-586277/6	6.25	3.183889	25.0	791579.0	0.509422	Y
5	IC 240-586277/7	12.5	6.794753	25.0	779837.0	0.54358	Y
6	ICIS 240-586277/8	25.0	13.184994	25.0	806193.0	0.5274	Y
7	IC 240-586277/9	37.5	20.331735	25.0	788778.0	0.54218	Y
8	IC 240-586277/10	50.0	26.831253	25.0	800463.0	0.536625	Y
9	IC 240-586277/11	62.5	32.925039	25.0	818630.0	0.526801	Y



Calibration

/ 2-Hexanone

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

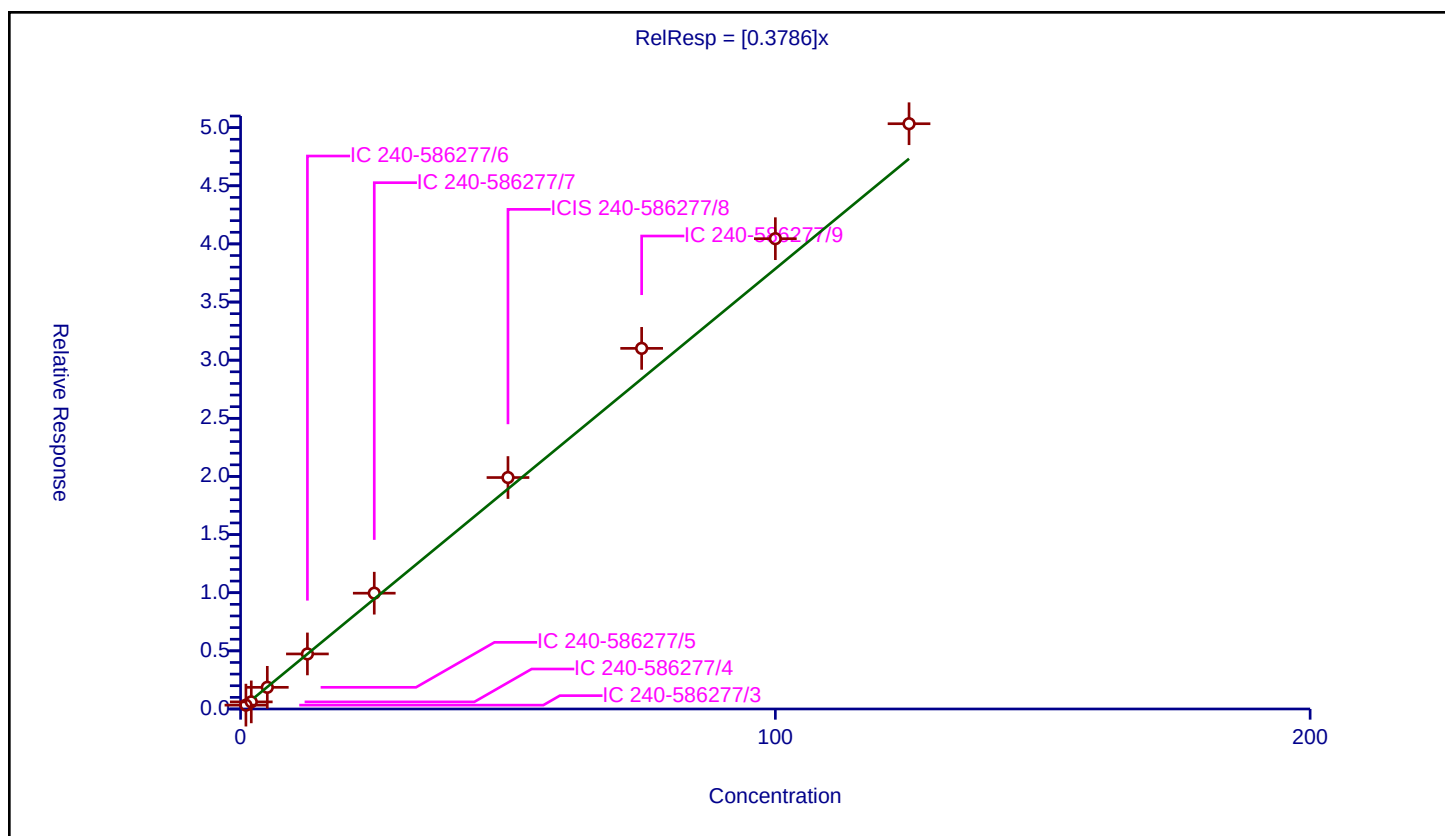
Curve Coefficients

Intercept: 0
Slope: 0.3786

Error Coefficients

Standard Error: 858000
Relative Standard Error: 9.6
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	1.0	0.332549	25.0	783644.0	0.332549	Y
2	IC 240-586277/4	2.0	0.612036	25.0	770053.0	0.306018	Y
3	IC 240-586277/5	5.0	1.863552	25.0	778178.0	0.37271	Y
4	IC 240-586277/6	12.5	4.735819	25.0	791579.0	0.378866	Y
5	IC 240-586277/7	25.0	9.95971	25.0	779837.0	0.398388	Y
6	ICIS 240-586277/8	50.0	19.906741	25.0	806193.0	0.398135	Y
7	IC 240-586277/9	75.0	31.016078	25.0	788778.0	0.413548	Y
8	IC 240-586277/10	100.0	40.450589	25.0	800463.0	0.404506	Y
9	IC 240-586277/11	125.0	50.338004	25.0	818630.0	0.402704	Y



Calibration

/ Chlorodibromomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

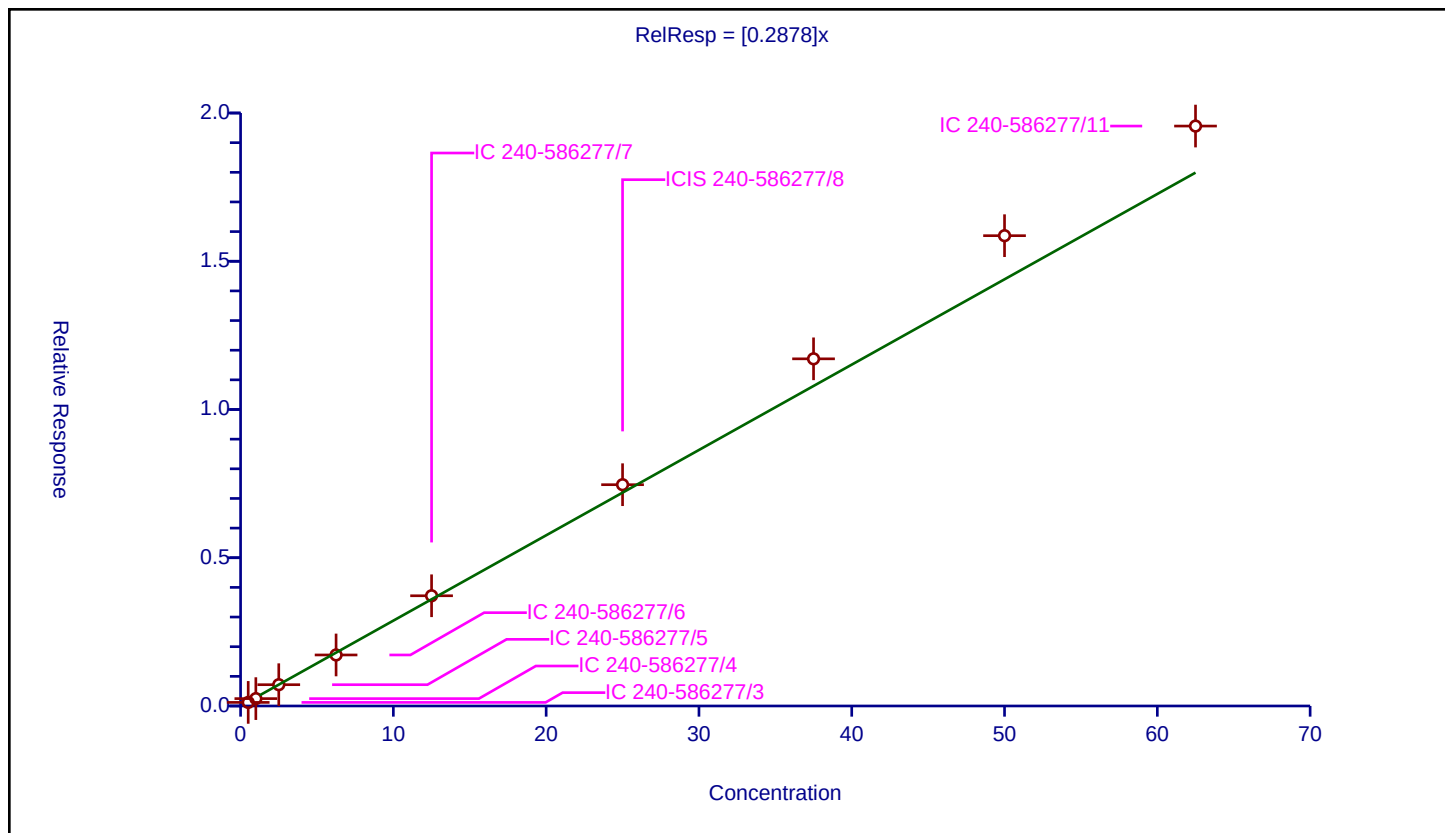
Curve Coefficients

Intercept: 0
 Slope: 0.2878

Error Coefficients

Standard Error: 332000
 Relative Standard Error: 9.7
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.12059	25.0	783644.0	0.241181	Y
2	IC 240-586277/4	1.0	0.248262	25.0	770053.0	0.248262	Y
3	IC 240-586277/5	2.5	0.717863	25.0	778178.0	0.287145	Y
4	IC 240-586277/6	6.25	1.720801	25.0	791579.0	0.275328	Y
5	IC 240-586277/7	12.5	3.718149	25.0	779837.0	0.297452	Y
6	ICIS 240-586277/8	25.0	7.463877	25.0	806193.0	0.298555	Y
7	IC 240-586277/9	37.5	11.708808	25.0	788778.0	0.312235	Y
8	IC 240-586277/10	50.0	15.862413	25.0	800463.0	0.317248	Y
9	IC 240-586277/11	62.5	19.559997	25.0	818630.0	0.31296	Y



Calibration

/ Ethylene Dibromide

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

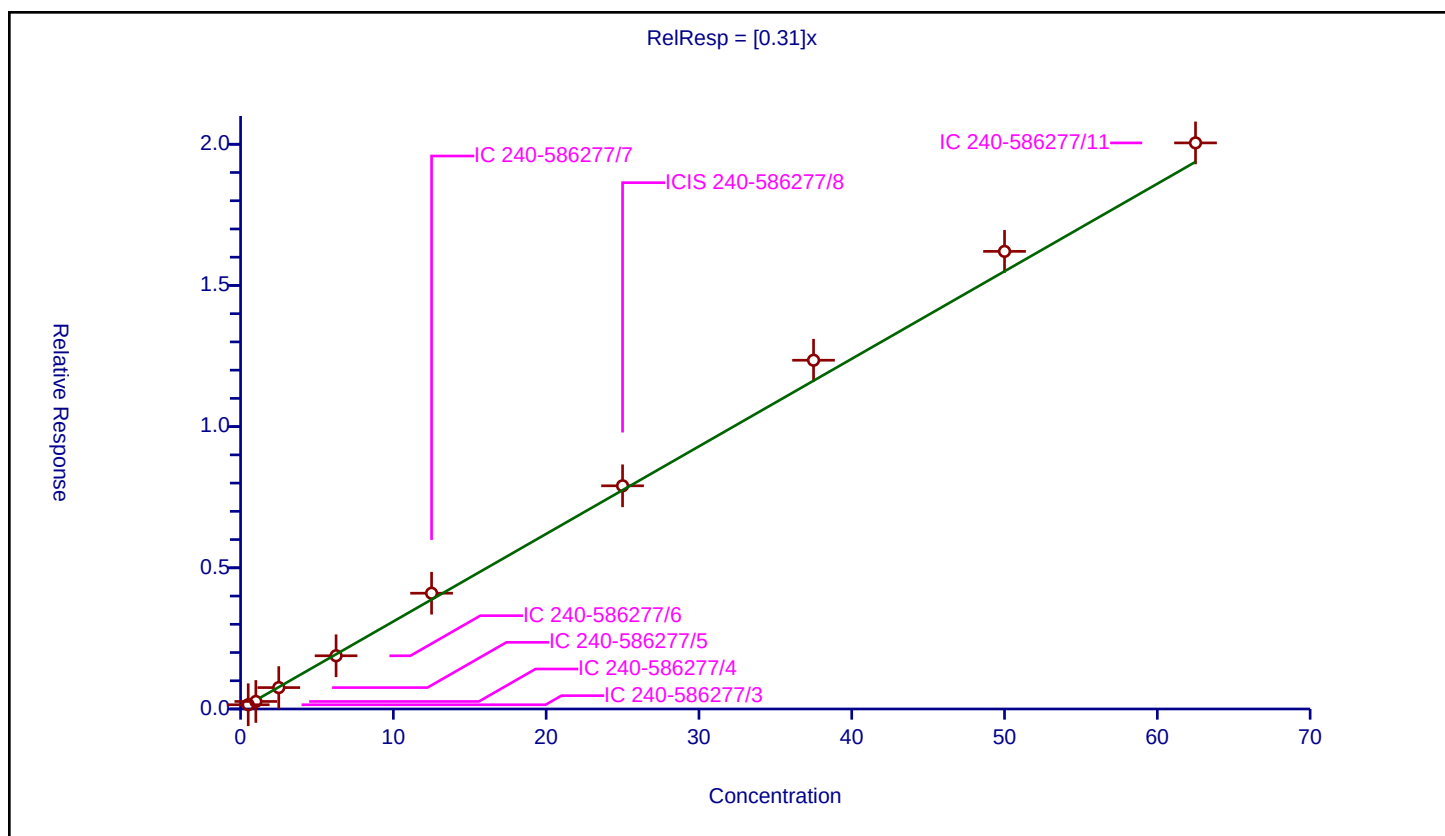
Curve Coefficients

Intercept: 0
Slope: 0.31

Error Coefficients

Standard Error: 342000
Relative Standard Error: 6.4
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.15026	25.0	783644.0	0.300519	Y
2	IC 240-586277/4	1.0	0.266702	25.0	770053.0	0.266702	Y
3	IC 240-586277/5	2.5	0.757603	25.0	778178.0	0.303041	Y
4	IC 240-586277/6	6.25	1.884303	25.0	791579.0	0.301489	Y
5	IC 240-586277/7	12.5	4.100023	25.0	779837.0	0.328002	Y
6	ICIS 240-586277/8	25.0	7.903877	25.0	806193.0	0.316155	Y
7	IC 240-586277/9	37.5	12.351416	25.0	788778.0	0.329371	Y
8	IC 240-586277/10	50.0	16.206308	25.0	800463.0	0.324126	Y
9	IC 240-586277/11	62.5	20.048343	25.0	818630.0	0.320773	Y



Calibration

/ Chlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

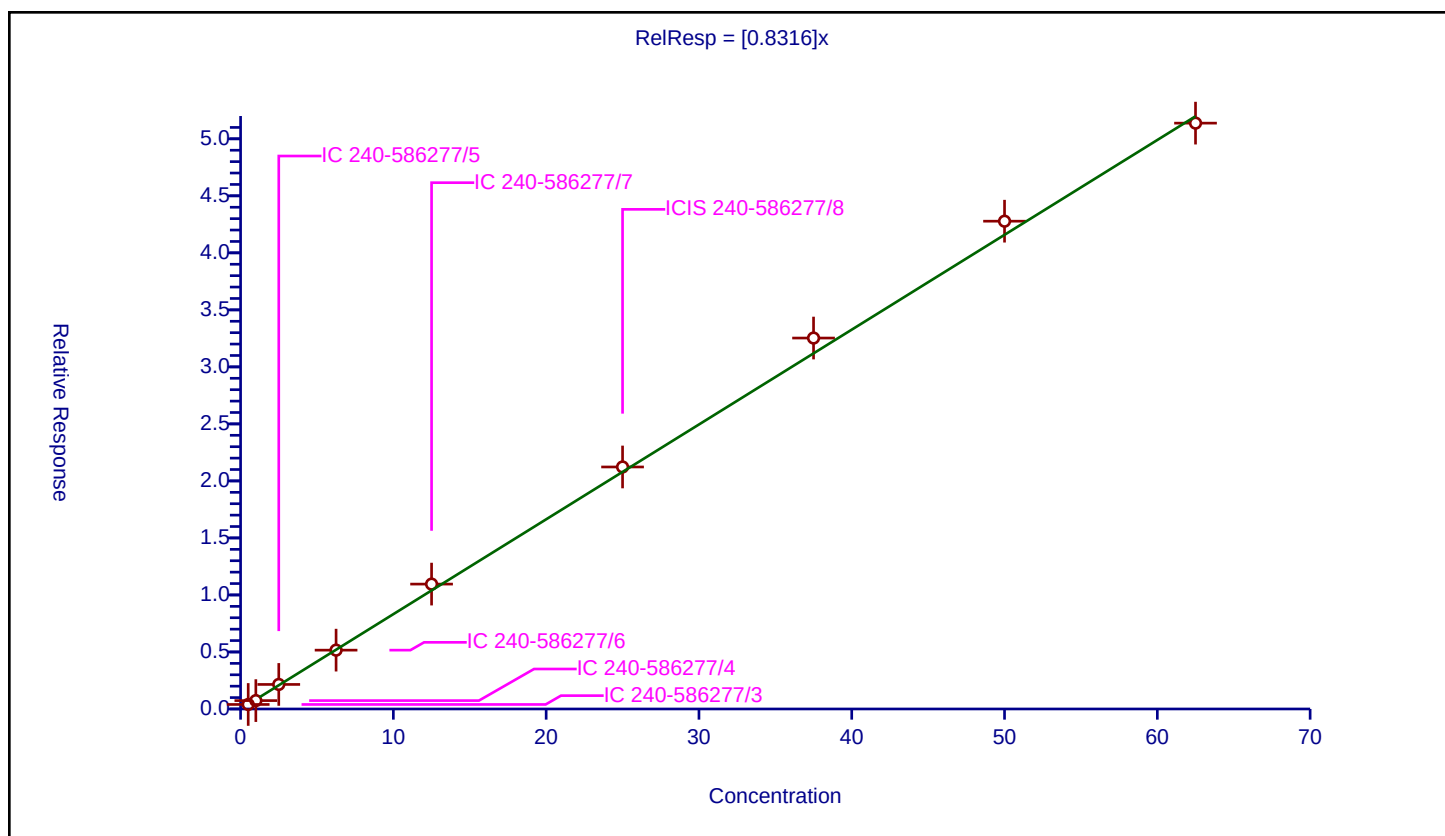
Curve Coefficients

Intercept: 0
Slope: 0.8316

Error Coefficients

Standard Error: 893000
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 240-586277/3	0.5	0.396545	25.0	783644.0	0.79309	Y
2	IC 240-586277/4	1.0	0.734852	25.0	770053.0	0.734852	Y
3	IC 240-586277/5	2.5	2.152689	25.0	778178.0	0.861075	Y
4	IC 240-586277/6	6.25	5.159592	25.0	791579.0	0.825535	Y
5	IC 240-586277/7	12.5	10.951487	25.0	779837.0	0.876119	Y
6	ICIS 240-586277/8	25.0	21.223299	25.0	806193.0	0.848932	Y
7	IC 240-586277/9	37.5	32.529527	25.0	788778.0	0.867454	Y
8	IC 240-586277/10	50.0	42.776025	25.0	800463.0	0.85552	Y
9	IC 240-586277/11	62.5	51.375927	25.0	818630.0	0.822015	Y



Calibration

/ Ethylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

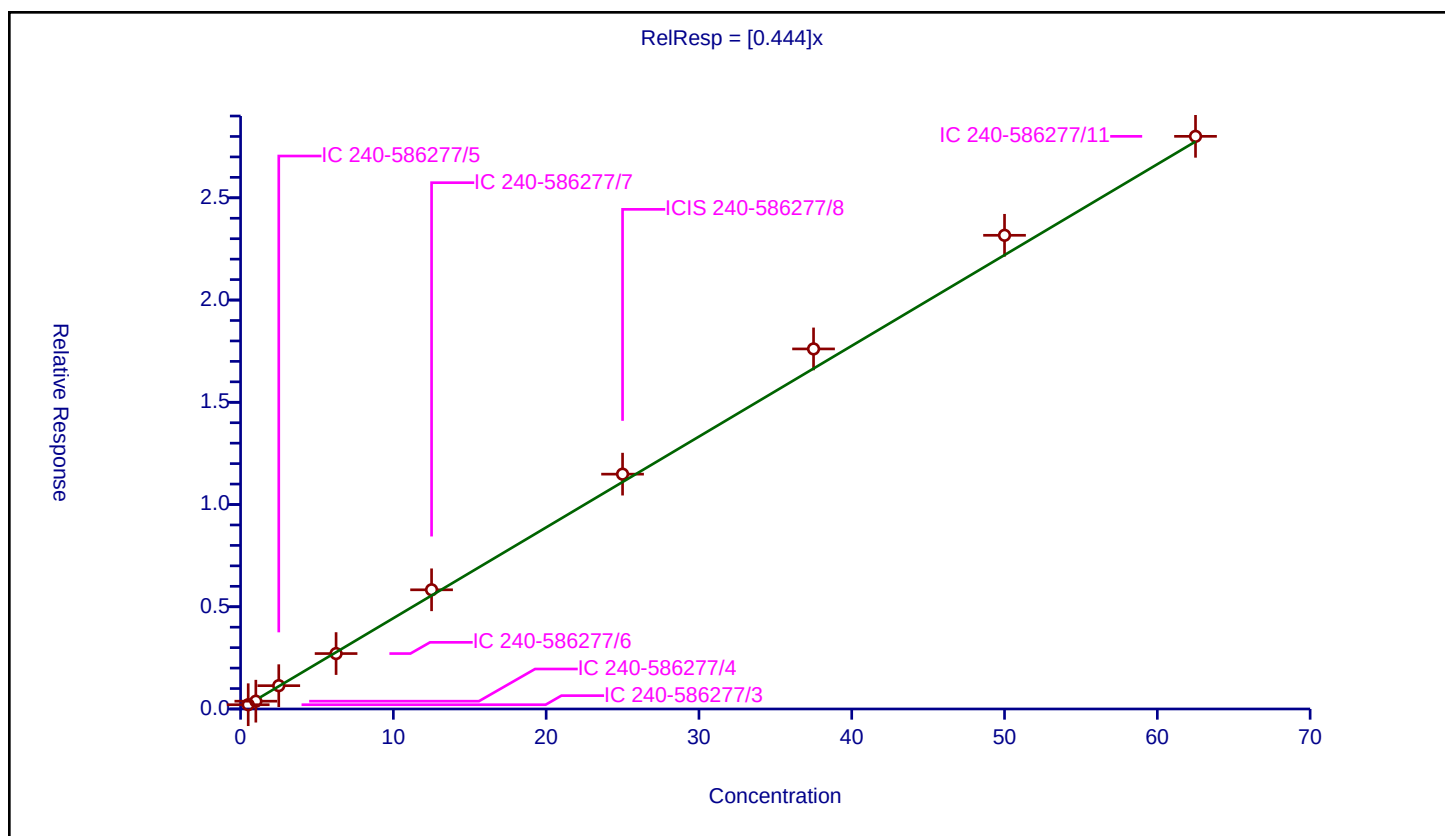
Curve Coefficients

Intercept: 0
Slope: 0.444

Error Coefficients

Standard Error: 485000
Relative Standard Error: 6.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.209311	25.0	783644.0	0.418621	Y
2	IC 240-586277/4	1.0	0.381143	25.0	770053.0	0.381143	Y
3	IC 240-586277/5	2.5	1.139938	25.0	778178.0	0.455975	Y
4	IC 240-586277/6	6.25	2.7105	25.0	791579.0	0.43368	Y
5	IC 240-586277/7	12.5	5.829487	25.0	779837.0	0.466359	Y
6	ICIS 240-586277/8	25.0	11.48568	25.0	806193.0	0.459427	Y
7	IC 240-586277/9	37.5	17.609771	25.0	788778.0	0.469594	Y
8	IC 240-586277/10	50.0	23.16653	25.0	800463.0	0.463331	Y
9	IC 240-586277/11	62.5	28.005815	25.0	818630.0	0.448093	Y



Calibration

/ 1,1,1,2-Tetrachloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

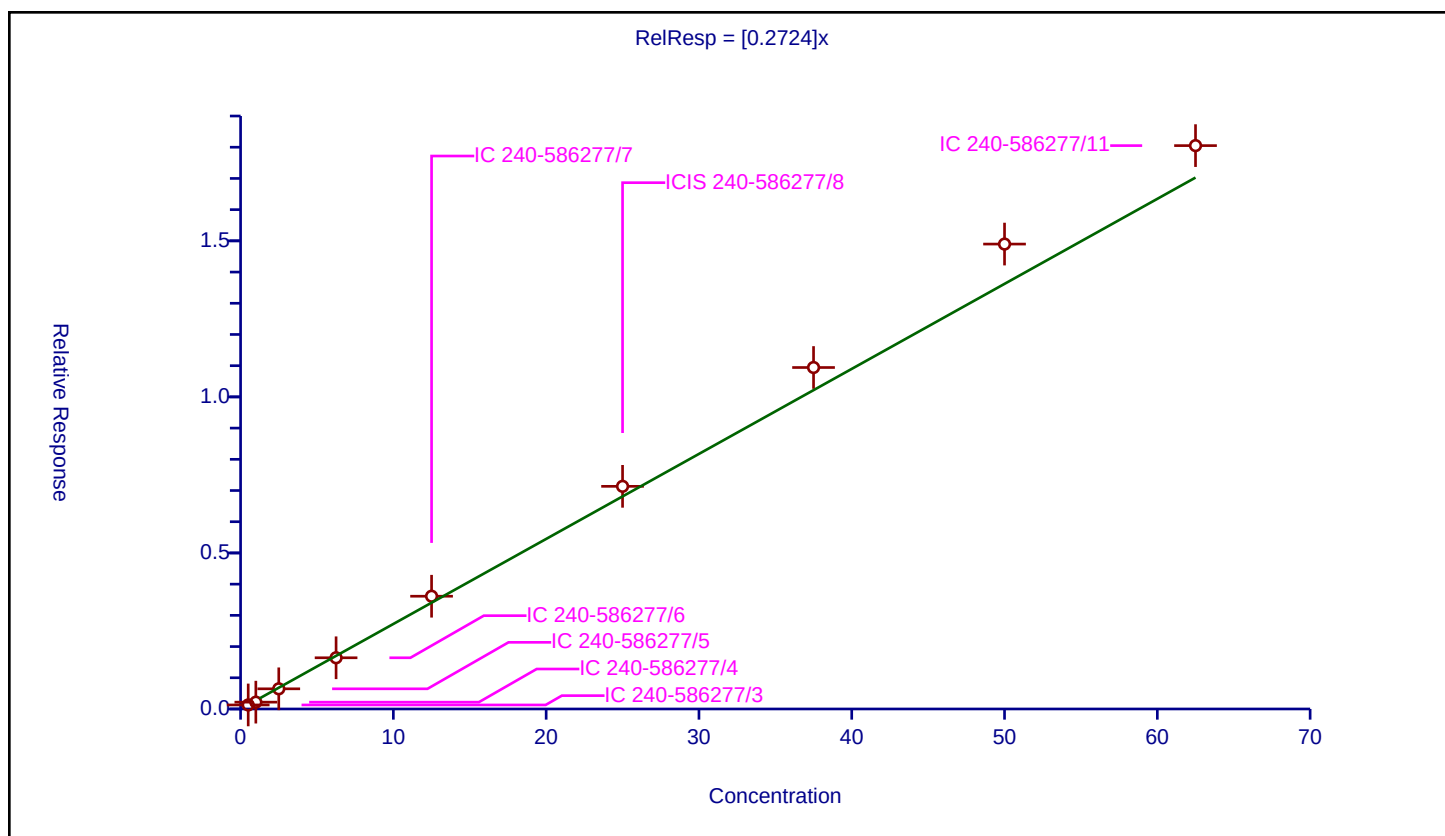
Curve Coefficients

Intercept: 0
Slope: 0.2724

Error Coefficients

Standard Error: 309000
Relative Standard Error: 9.2
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.129172	25.0	783644.0	0.258344	Y
2	IC 240-586277/4	1.0	0.219368	25.0	770053.0	0.219368	Y
3	IC 240-586277/5	2.5	0.646671	25.0	778178.0	0.258668	Y
4	IC 240-586277/6	6.25	1.64115	25.0	791579.0	0.262584	Y
5	IC 240-586277/7	12.5	3.613287	25.0	779837.0	0.289063	Y
6	ICIS 240-586277/8	25.0	7.134086	25.0	806193.0	0.285363	Y
7	IC 240-586277/9	37.5	10.941323	25.0	788778.0	0.291769	Y
8	IC 240-586277/10	50.0	14.896941	25.0	800463.0	0.297939	Y
9	IC 240-586277/11	62.5	18.05144	25.0	818630.0	0.288823	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

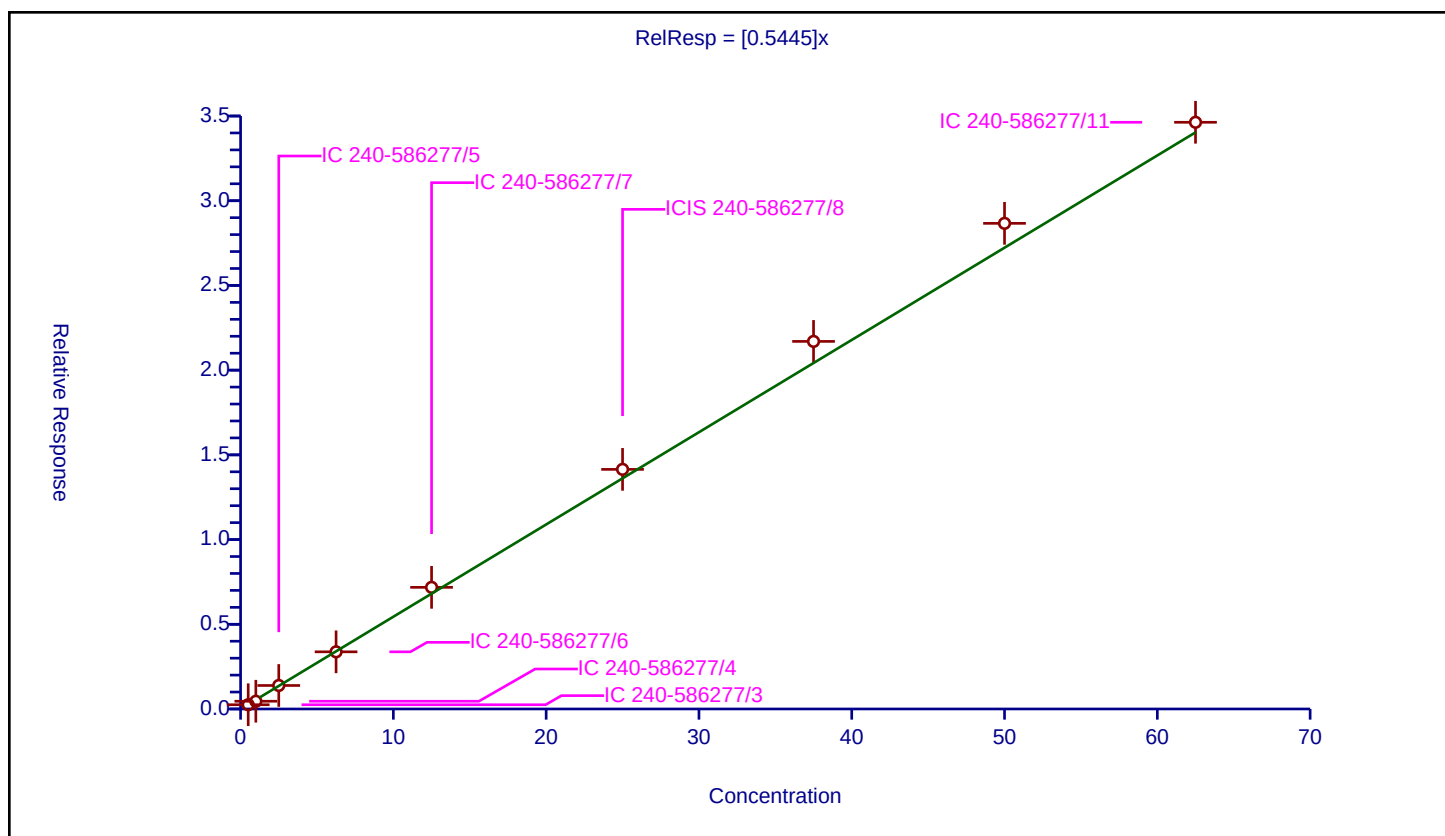
Curve Coefficients

Intercept: 0
 Slope: 0.5445

Error Coefficients

Standard Error: 599000
 Relative Standard Error: 7.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.251741	25.0	783644.0	0.503481	Y
2	IC 240-586277/4	1.0	0.456884	25.0	770053.0	0.456884	Y
3	IC 240-586277/5	2.5	1.386829	25.0	778178.0	0.554732	Y
4	IC 240-586277/6	6.25	3.373384	25.0	791579.0	0.539741	Y
5	IC 240-586277/7	12.5	7.179128	25.0	779837.0	0.57433	Y
6	ICIS 240-586277/8	25.0	14.14376	25.0	806193.0	0.56575	Y
7	IC 240-586277/9	37.5	21.696536	25.0	788778.0	0.578574	Y
8	IC 240-586277/10	50.0	28.664629	25.0	800463.0	0.573293	Y
9	IC 240-586277/11	62.5	34.629381	25.0	818630.0	0.55407	Y



Calibration

/ o-Xylene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

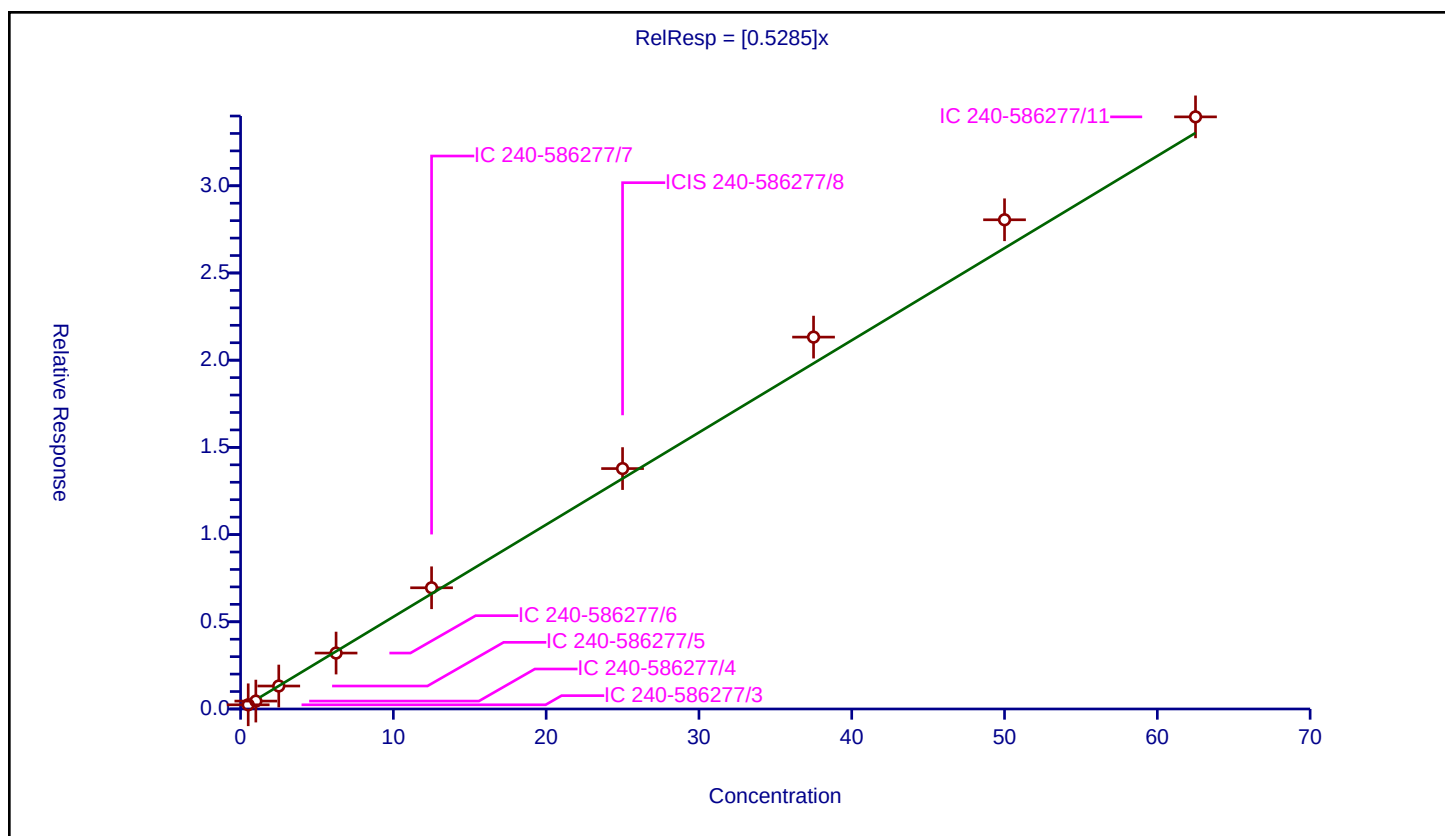
Curve Coefficients

Intercept: 0
 Slope: 0.5285

Error Coefficients

Standard Error: 587000
 Relative Standard Error: 7.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.241372	25.0	783644.0	0.482745	Y
2	IC 240-586277/4	1.0	0.453378	25.0	770053.0	0.453378	Y
3	IC 240-586277/5	2.5	1.317854	25.0	778178.0	0.527142	Y
4	IC 240-586277/6	6.25	3.206376	25.0	791579.0	0.51302	Y
5	IC 240-586277/7	12.5	6.949786	25.0	779837.0	0.555983	Y
6	ICIS 240-586277/8	25.0	13.784726	25.0	806193.0	0.551389	Y
7	IC 240-586277/9	37.5	21.322698	25.0	788778.0	0.568605	Y
8	IC 240-586277/10	50.0	28.049954	25.0	800463.0	0.560999	Y
9	IC 240-586277/11	62.5	33.951541	25.0	818630.0	0.543225	Y



Calibration

/ Styrene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

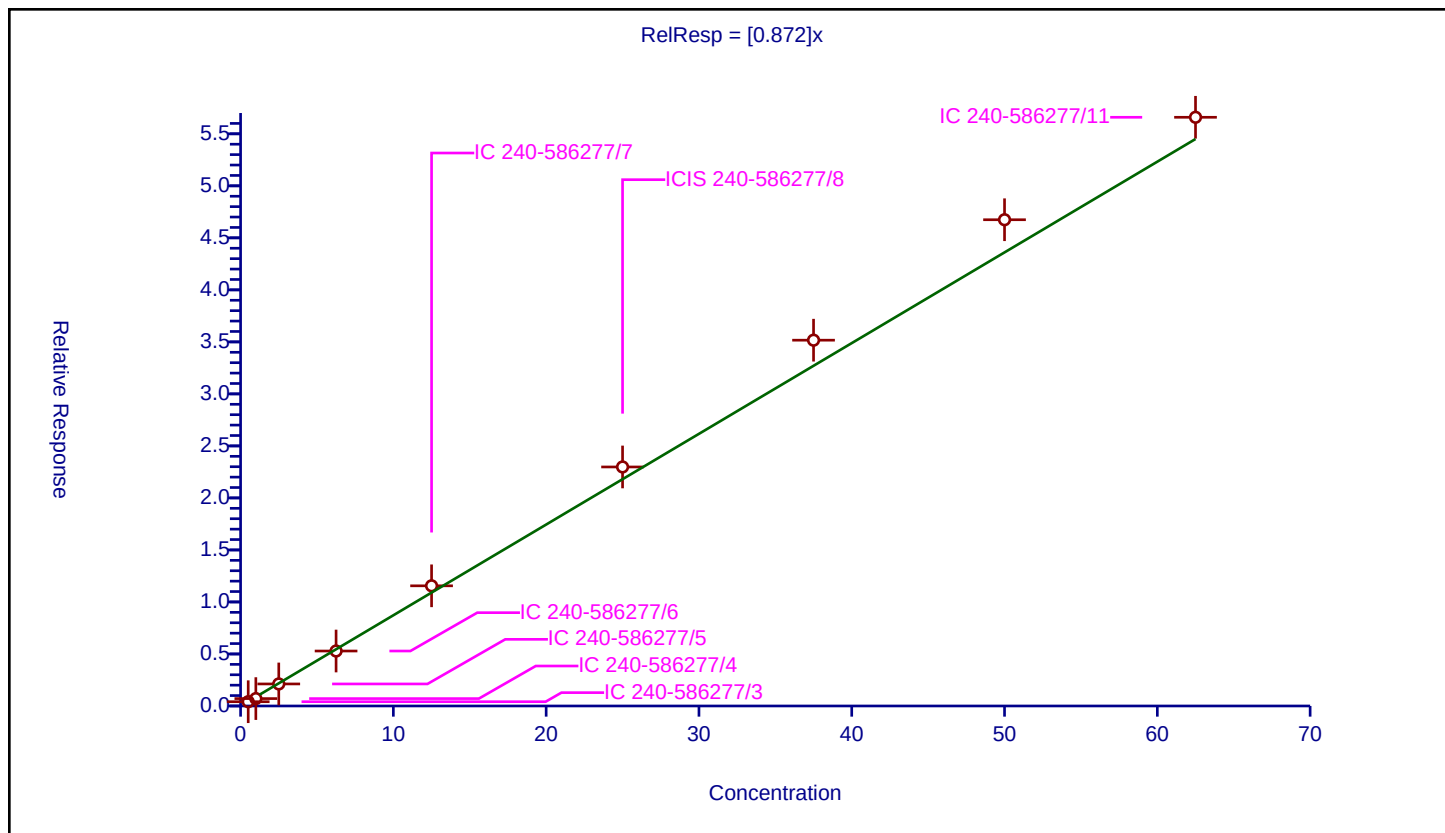
Curve Coefficients

Intercept: 0
 Slope: 0.872

Error Coefficients

Standard Error: 976000
 Relative Standard Error: 8.5
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.410901	25.0	783644.0	0.821802	Y
2	IC 240-586277/4	1.0	0.712126	25.0	770053.0	0.712126	Y
3	IC 240-586277/5	2.5	2.11902	25.0	778178.0	0.847608	Y
4	IC 240-586277/6	6.25	5.284975	25.0	791579.0	0.845596	Y
5	IC 240-586277/7	12.5	11.5511	25.0	779837.0	0.924088	Y
6	ICIS 240-586277/8	25.0	22.976694	25.0	806193.0	0.919068	Y
7	IC 240-586277/9	37.5	35.163253	25.0	788778.0	0.937687	Y
8	IC 240-586277/10	50.0	46.741605	25.0	800463.0	0.934832	Y
9	IC 240-586277/11	62.5	56.589851	25.0	818630.0	0.905438	Y



Calibration

/ Bromoform

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

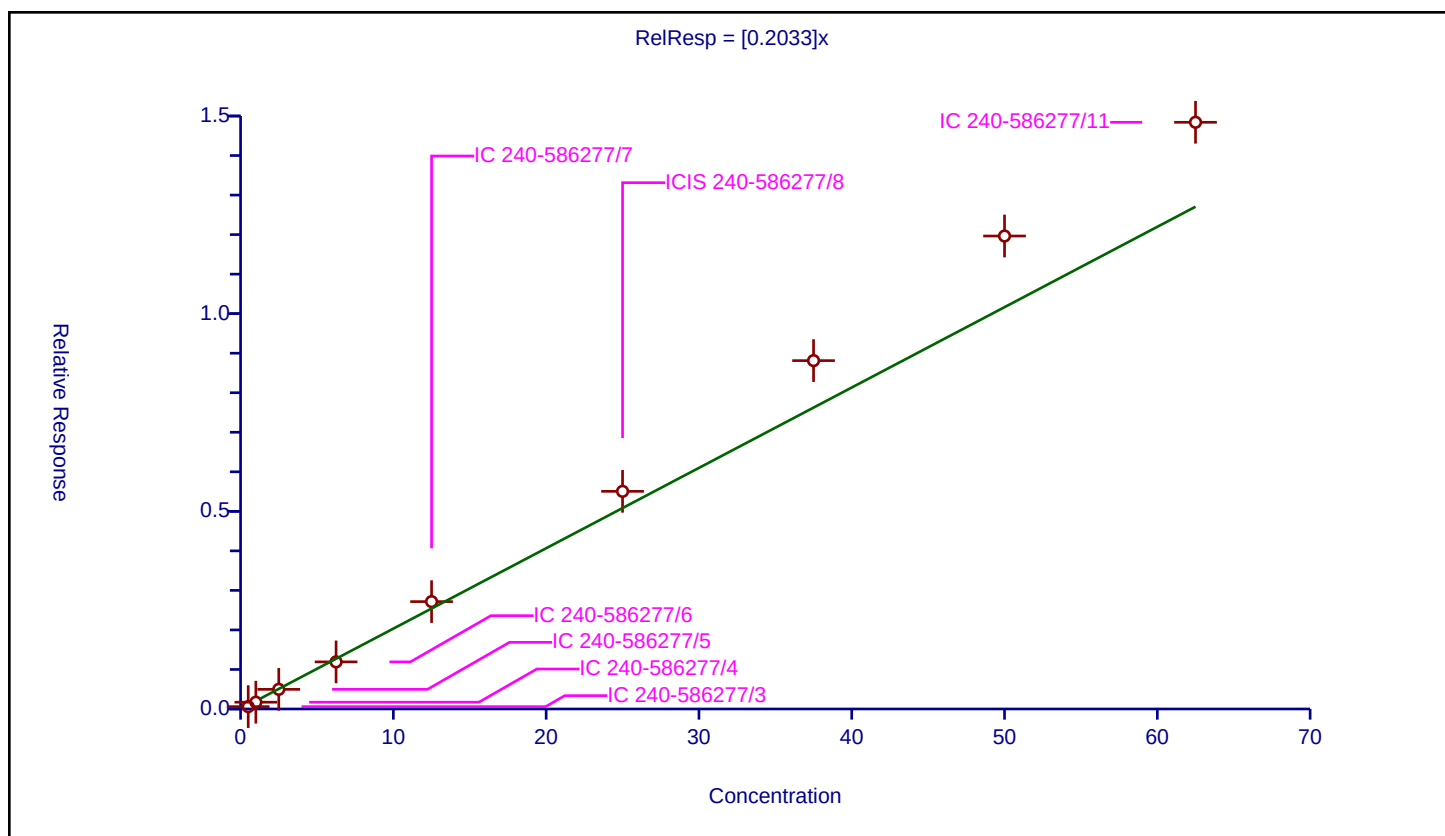
Curve Coefficients

Intercept: 0
Slope: 0.2033

Error Coefficients

Standard Error: 250000
Relative Standard Error: 19.2
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.962

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.059657	25.0	783644.0	0.119314	Y
2	IC 240-586277/4	1.0	0.171579	25.0	770053.0	0.171579	Y
3	IC 240-586277/5	2.5	0.496866	25.0	778178.0	0.198746	Y
4	IC 240-586277/6	6.25	1.191921	25.0	791579.0	0.190707	Y
5	IC 240-586277/7	12.5	2.716241	25.0	779837.0	0.217299	Y
6	ICIS 240-586277/8	25.0	5.505537	25.0	806193.0	0.220221	Y
7	IC 240-586277/9	37.5	8.81227	25.0	788778.0	0.234994	Y
8	IC 240-586277/10	50.0	11.964388	25.0	800463.0	0.239288	Y
9	IC 240-586277/11	62.5	14.841748	25.0	818630.0	0.237468	Y



Calibration

/ Isopropylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

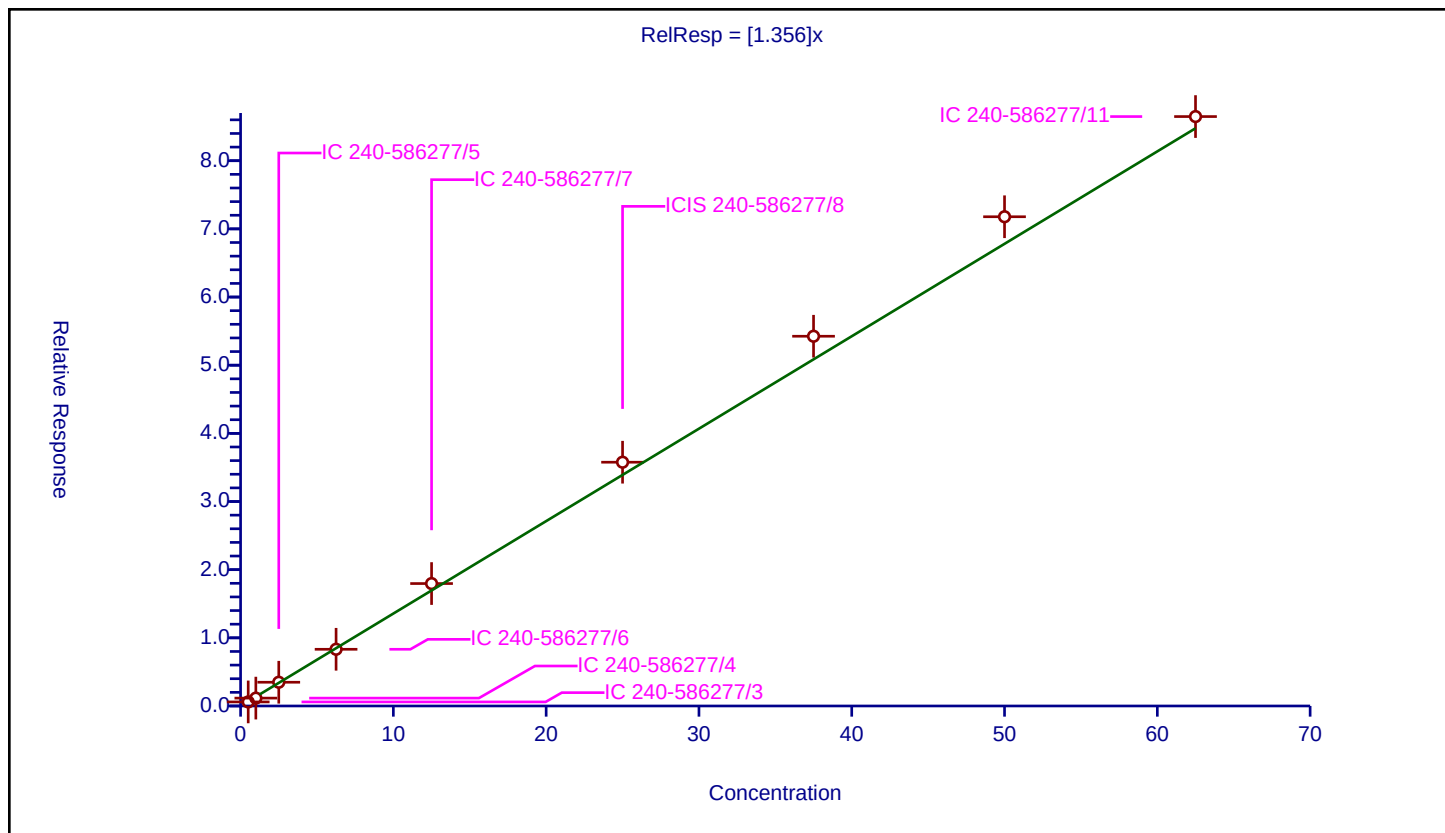
Curve Coefficients

Intercept: 0
Slope: 1.356

Error Coefficients

Standard Error: 1500000
Relative Standard Error: 8.1
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.595647	25.0	783644.0	1.191293	Y
2	IC 240-586277/4	1.0	1.156219	25.0	770053.0	1.156219	Y
3	IC 240-586277/5	2.5	3.483136	25.0	778178.0	1.393254	Y
4	IC 240-586277/6	6.25	8.318216	25.0	791579.0	1.330915	Y
5	IC 240-586277/7	12.5	17.962215	25.0	779837.0	1.436977	Y
6	ICIS 240-586277/8	25.0	35.766498	25.0	806193.0	1.43066	Y
7	IC 240-586277/9	37.5	54.249707	25.0	788778.0	1.446659	Y
8	IC 240-586277/10	50.0	71.77902	25.0	800463.0	1.43558	Y
9	IC 240-586277/11	62.5	86.478232	25.0	818630.0	1.383652	Y



Calibration

/ 4-Bromofluorobenzene (Surr)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

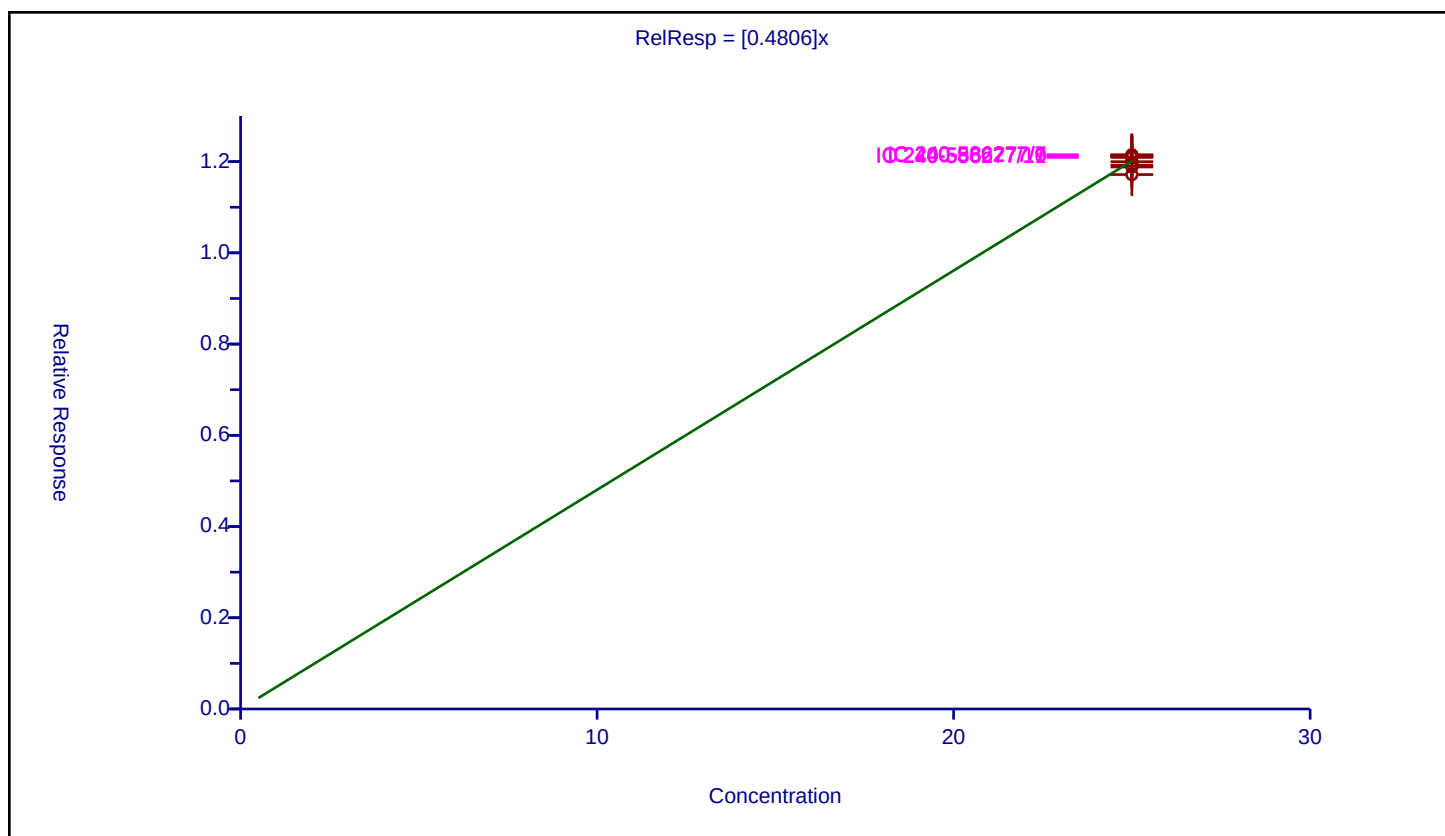
Curve Coefficients

Intercept: 0
Slope: 0.4806

Error Coefficients

Standard Error: 403000
Relative Standard Error: 1.2
Correlation Coefficient: NA
Coefficient of Determination (Adjusted): 0.000000000000000222

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	25.0	11.881958	25.0	783644.0	0.475278	Y
2	IC 240-586277/4	25.0	11.924049	25.0	770053.0	0.476962	Y
3	IC 240-586277/5	25.0	11.99899	25.0	778178.0	0.47996	Y
4	IC 240-586277/6	25.0	12.121595	25.0	791579.0	0.484864	Y
5	IC 240-586277/7	25.0	12.151546	25.0	779837.0	0.486062	Y
6	ICIS 240-586277/8	25.0	11.716146	25.0	806193.0	0.468646	Y
7	IC 240-586277/9	25.0	12.118556	25.0	788778.0	0.484742	Y
8	IC 240-586277/10	25.0	12.121079	25.0	800463.0	0.484843	Y
9	IC 240-586277/11	25.0	12.091207	25.0	818630.0	0.483648	Y



Calibration

/ Bromobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

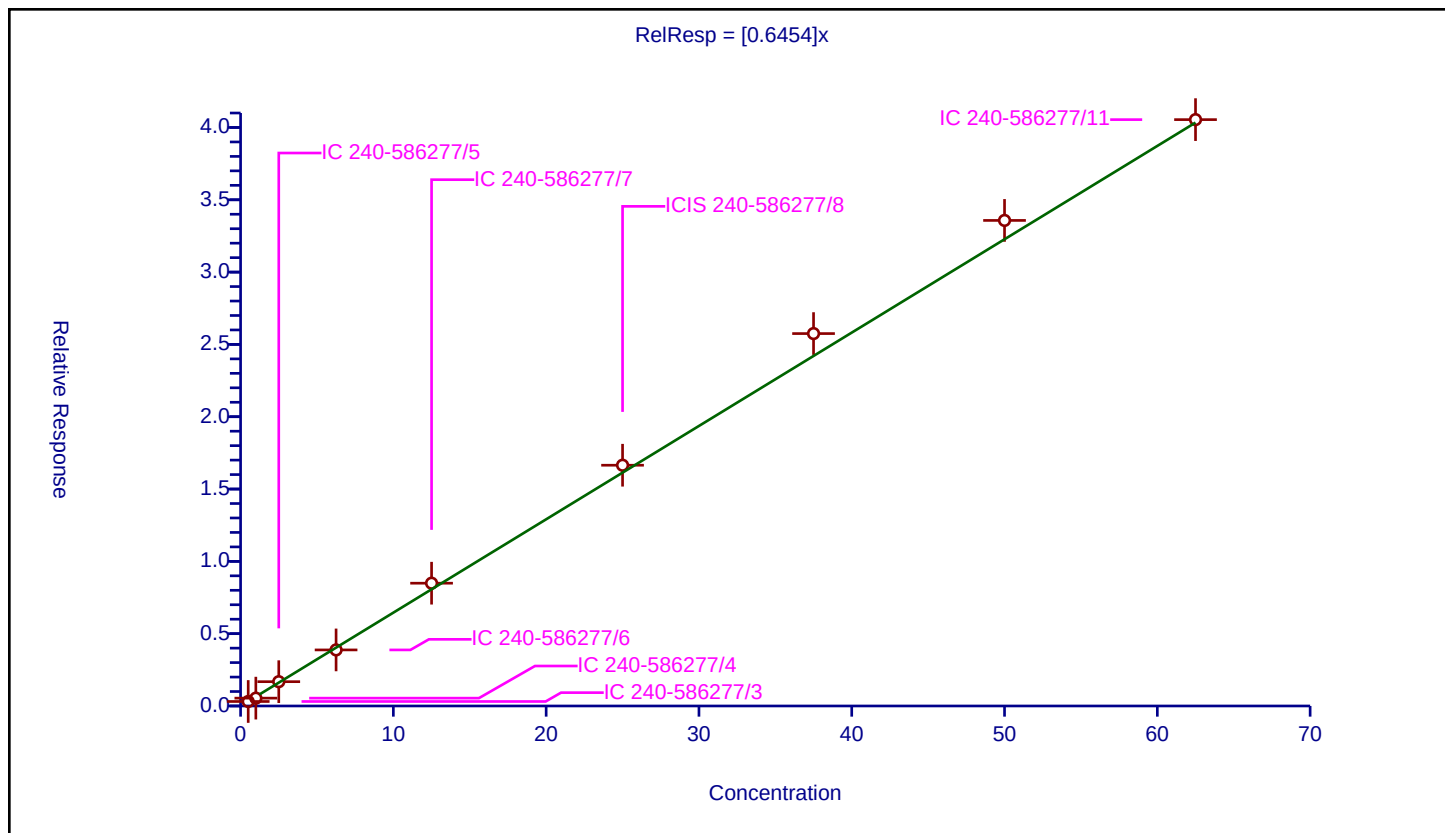
Curve Coefficients

Intercept: 0
Slope: 0.6454

Error Coefficients

Standard Error: 381000
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 240-586277/3	0.5	0.310497	25.0	421582.0	0.620994	Y
2	IC 240-586277/4	1.0	0.542846	25.0	415081.0	0.542846	Y
3	IC 240-586277/5	2.5	1.681495	25.0	422615.0	0.672598	Y
4	IC 240-586277/6	6.25	3.877293	25.0	433163.0	0.620367	Y
5	IC 240-586277/7	12.5	8.489049	25.0	426632.0	0.679124	Y
6	ICIS 240-586277/8	25.0	16.646099	25.0	437173.0	0.665844	Y
7	IC 240-586277/9	37.5	25.750234	25.0	427067.0	0.686673	Y
8	IC 240-586277/10	50.0	33.57261	25.0	432170.0	0.671452	Y
9	IC 240-586277/11	62.5	40.543072	25.0	443569.0	0.648689	Y



Calibration

/ 1,1,2,2-Tetrachloroethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

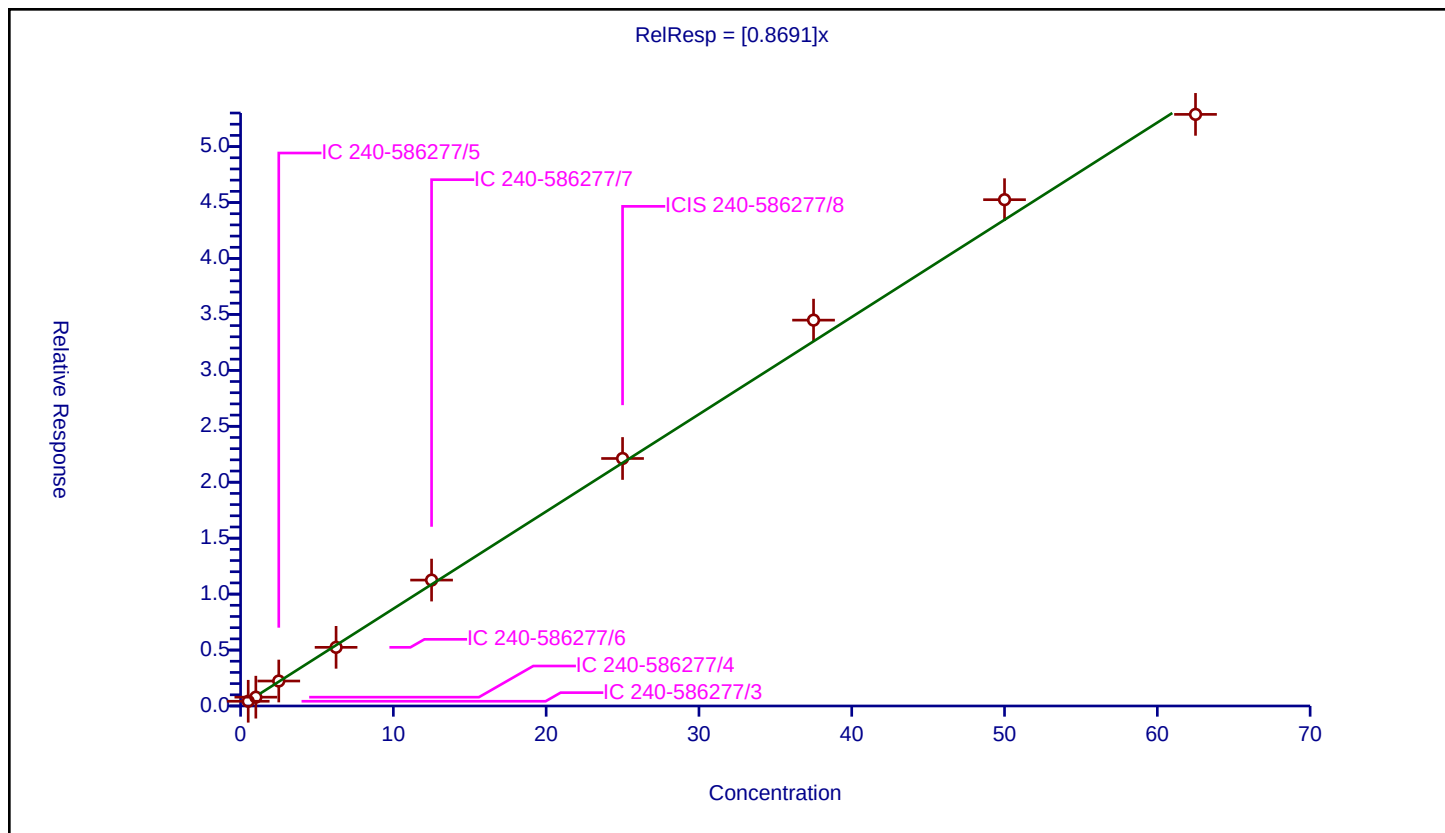
Curve Coefficients

Intercept: 0
 Slope: 0.8691

Error Coefficients

Standard Error: 504000
 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 240-586277/3	0.5	0.423109	25.0	421582.0	0.846217	Y
2	IC 240-586277/4	1.0	0.7884	25.0	415081.0	0.7884	Y
3	IC 240-586277/5	2.5	2.232055	25.0	422615.0	0.892822	Y
4	IC 240-586277/6	6.25	5.242022	25.0	433163.0	0.838724	Y
5	IC 240-586277/7	12.5	11.253551	25.0	426632.0	0.900284	Y
6	ICIS 240-586277/8	25.0	22.122649	25.0	437173.0	0.884906	Y
7	IC 240-586277/9	37.5	34.488617	25.0	427067.0	0.919696	Y
8	IC 240-586277/10	50.0	45.253373	25.0	432170.0	0.905067	Y
9	IC 240-586277/11	62.5	52.878075	25.0	443569.0	0.846049	Y



Calibration

/ N-Propylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

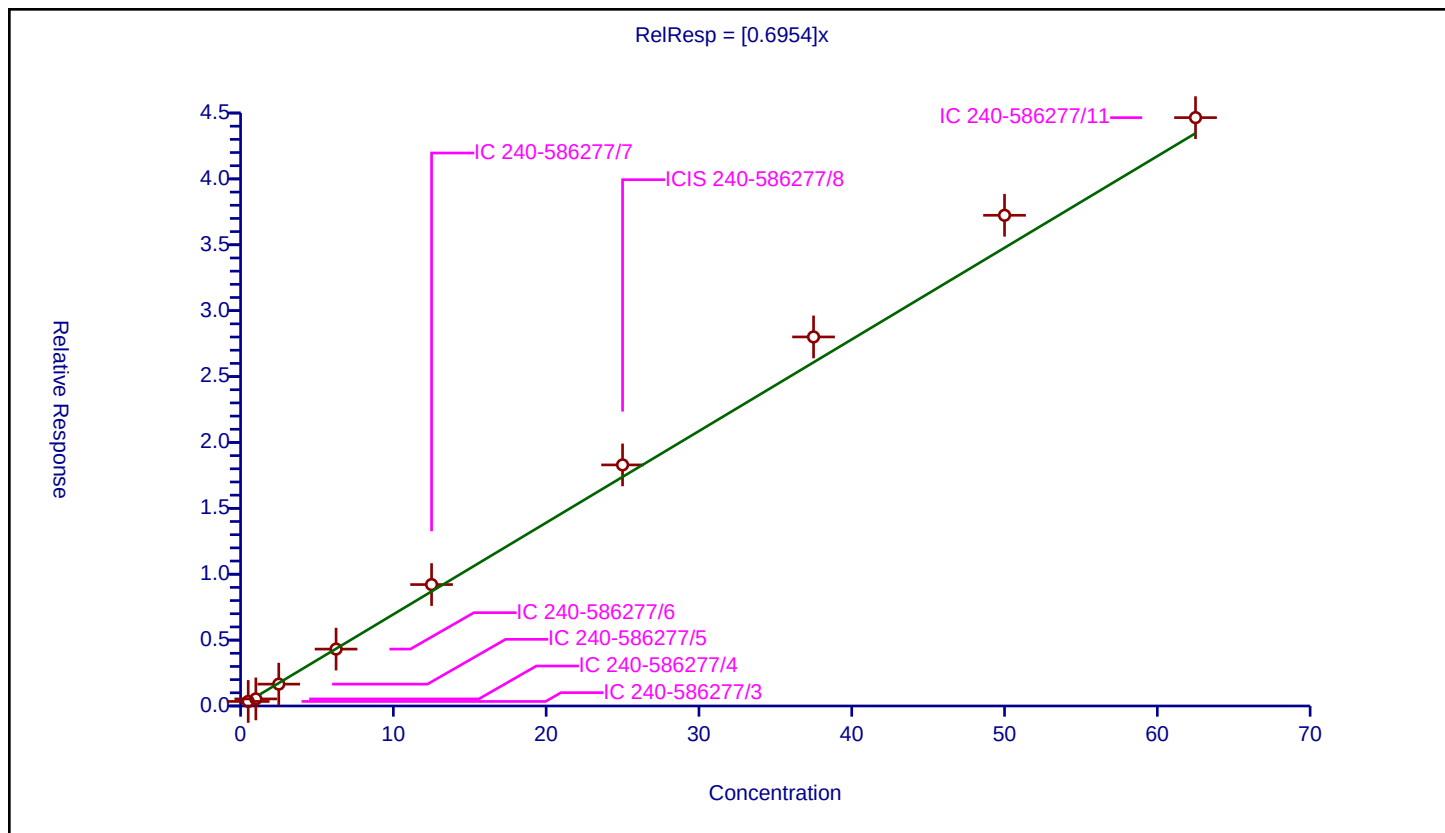
Curve Coefficients

Intercept: 0
 Slope: 0.6954

Error Coefficients

Standard Error: 419000
 Relative Standard Error: 9.4
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.345899	25.0	421582.0	0.691799	Y
2	IC 240-586277/4	1.0	0.537606	25.0	415081.0	0.537606	Y
3	IC 240-586277/5	2.5	1.658957	25.0	422615.0	0.663583	Y
4	IC 240-586277/6	6.25	4.317659	25.0	433163.0	0.690825	Y
5	IC 240-586277/7	12.5	9.214499	25.0	426632.0	0.73716	Y
6	ICIS 240-586277/8	25.0	18.29556	25.0	437173.0	0.731822	Y
7	IC 240-586277/9	37.5	28.006613	25.0	427067.0	0.746843	Y
8	IC 240-586277/10	50.0	37.238587	25.0	432170.0	0.744772	Y
9	IC 240-586277/11	62.5	44.650043	25.0	443569.0	0.714401	Y



Calibration

/ 1,2,3-Trichloropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

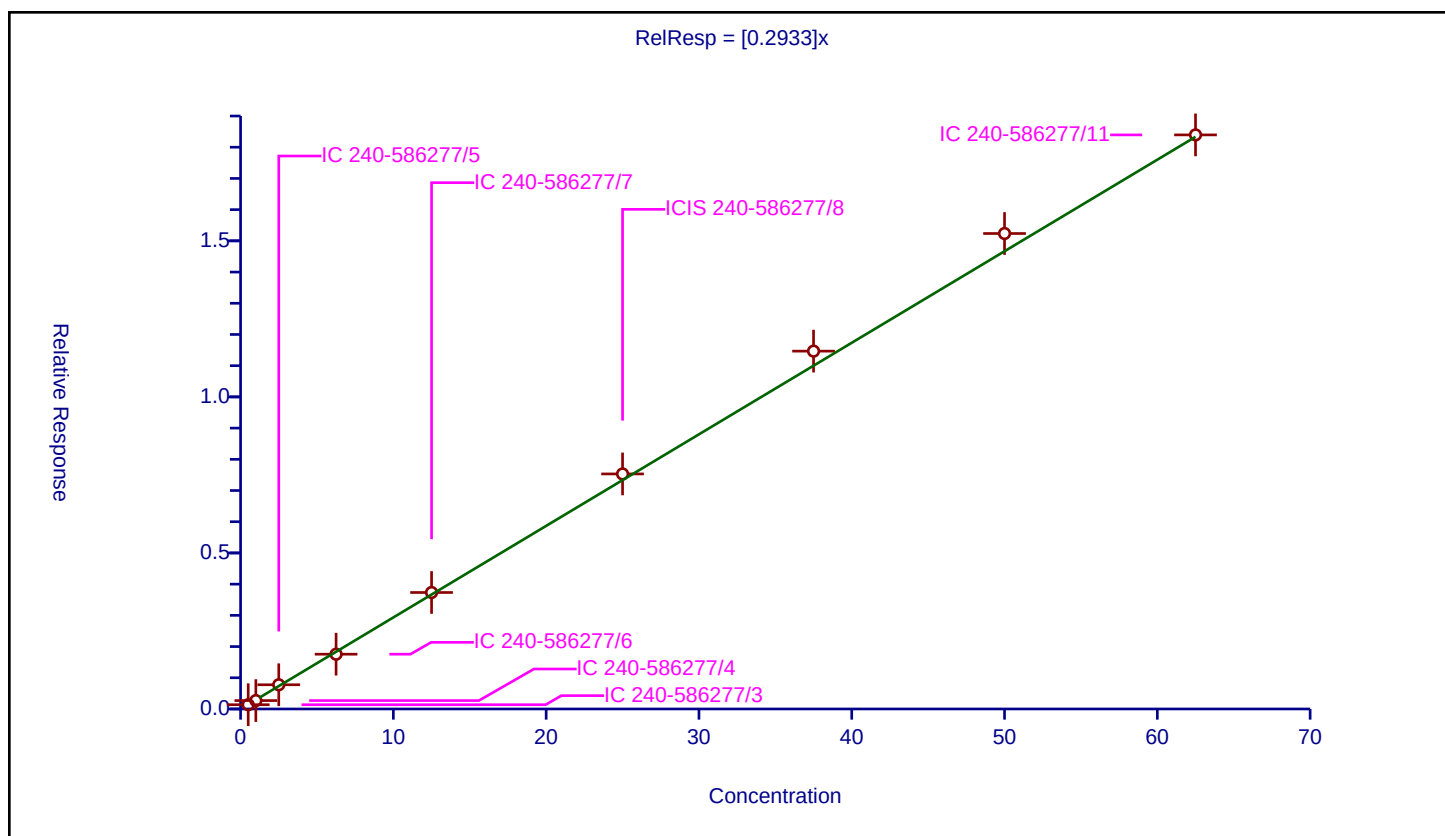
Curve Coefficients

Intercept: 0
Slope: 0.2933

Error Coefficients

Standard Error: 172000
Relative Standard Error: 5.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.137281	25.0	421582.0	0.274561	Y
2	IC 240-586277/4	1.0	0.269465	25.0	415081.0	0.269465	Y
3	IC 240-586277/5	2.5	0.776061	25.0	422615.0	0.310424	Y
4	IC 240-586277/6	6.25	1.755402	25.0	433163.0	0.280864	Y
5	IC 240-586277/7	12.5	3.733018	25.0	426632.0	0.298641	Y
6	ICIS 240-586277/8	25.0	7.531286	25.0	437173.0	0.301251	Y
7	IC 240-586277/9	37.5	11.466702	25.0	427067.0	0.305779	Y
8	IC 240-586277/10	50.0	15.23544	25.0	432170.0	0.304709	Y
9	IC 240-586277/11	62.5	18.394883	25.0	443569.0	0.294318	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

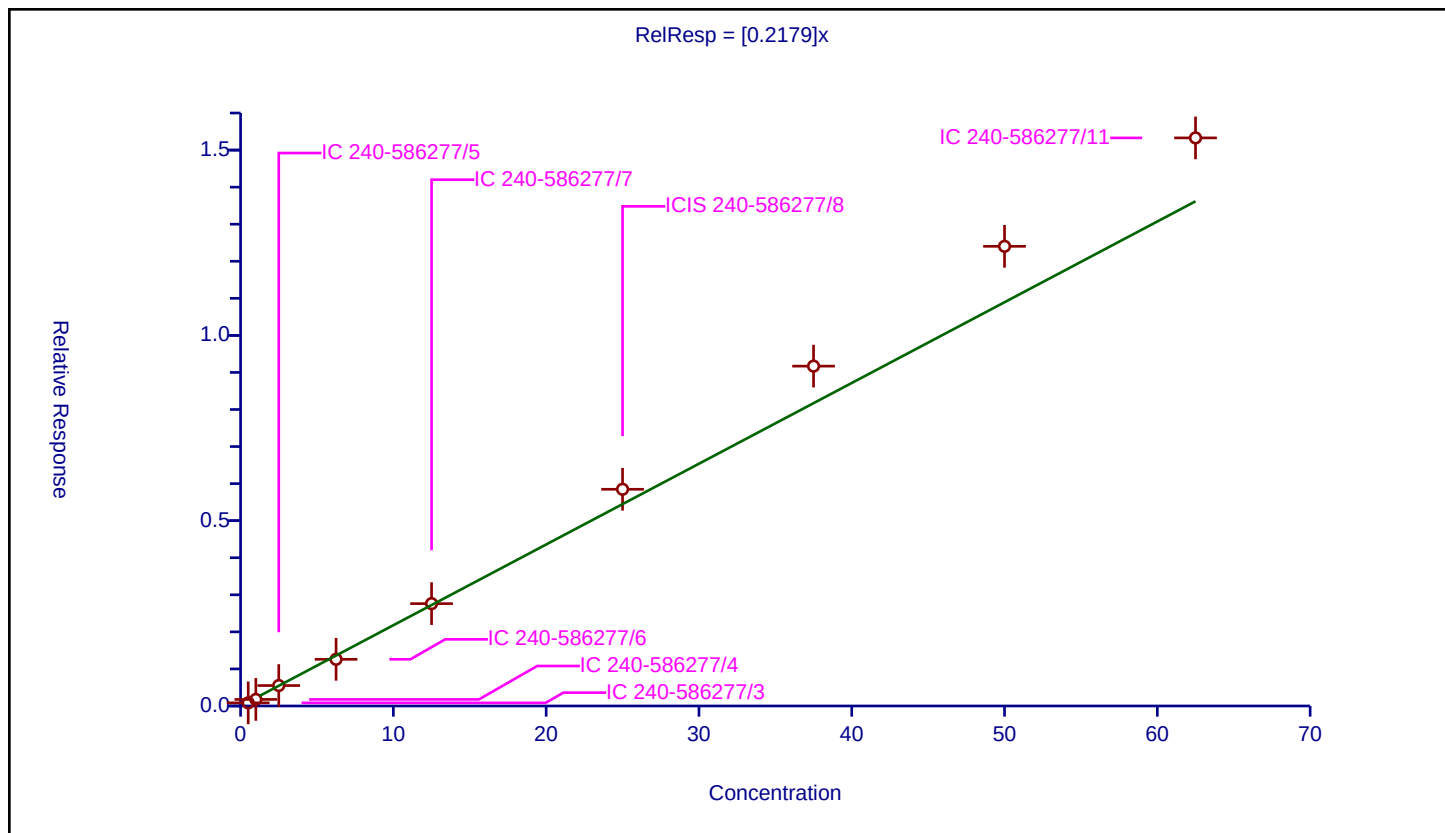
Curve Coefficients

Intercept: 0
Slope: 0.2179

Error Coefficients

Standard Error: 140000
Relative Standard Error: 13.6
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.084385	25.0	421582.0	0.168769	Y
2	IC 240-586277/4	1.0	0.177255	25.0	415081.0	0.177255	Y
3	IC 240-586277/5	2.5	0.551684	25.0	422615.0	0.220674	Y
4	IC 240-586277/6	6.25	1.259514	25.0	433163.0	0.201522	Y
5	IC 240-586277/7	12.5	2.761865	25.0	426632.0	0.220949	Y
6	ICIS 240-586277/8	25.0	5.847399	25.0	437173.0	0.233896	Y
7	IC 240-586277/9	37.5	9.170107	25.0	427067.0	0.244536	Y
8	IC 240-586277/10	50.0	12.403163	25.0	432170.0	0.248063	Y
9	IC 240-586277/11	62.5	15.3289	25.0	443569.0	0.245262	Y



Calibration

/ 2-Chlorotoluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

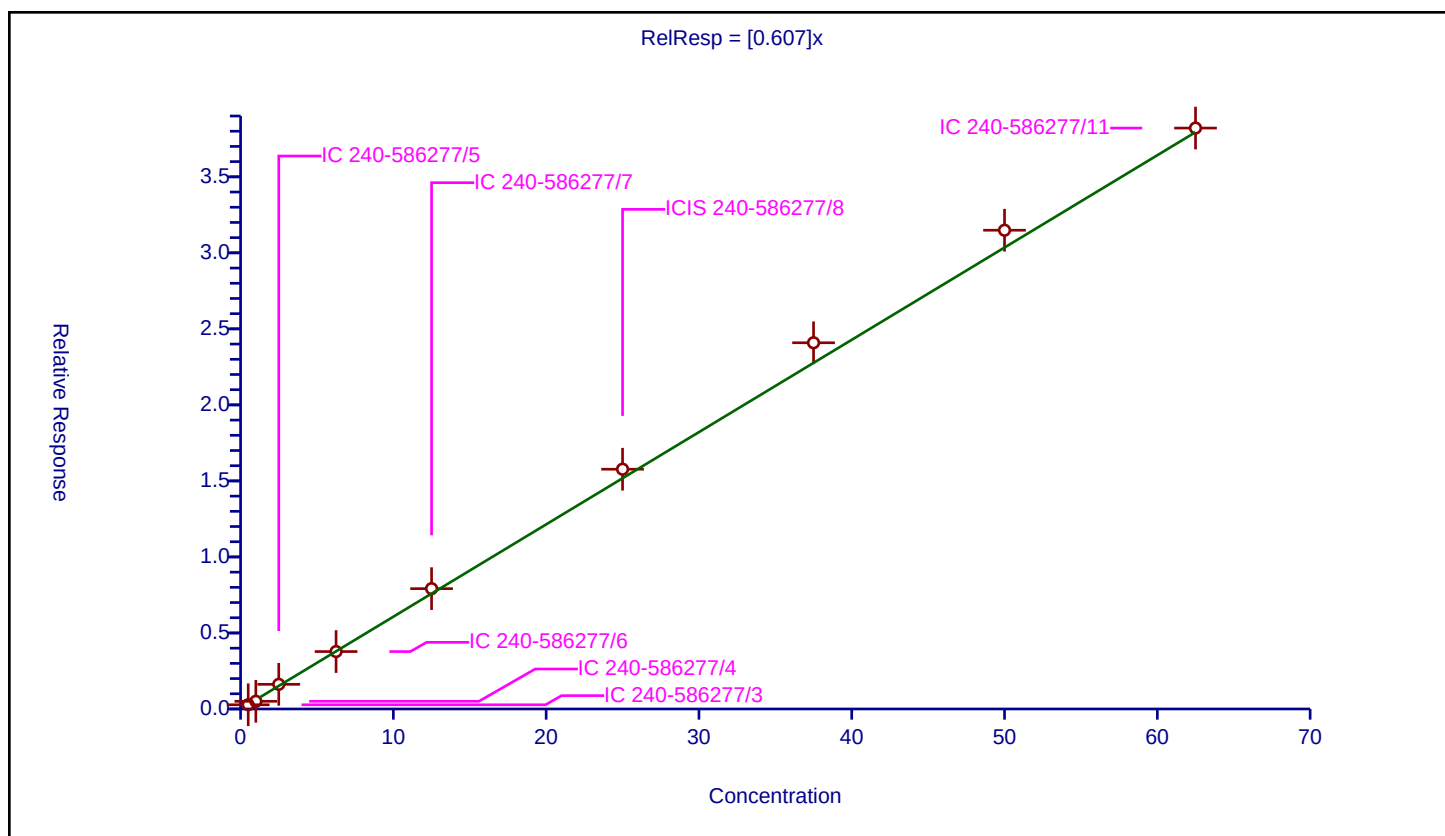
Curve Coefficients

Intercept: 0
Slope: 0.607

Error Coefficients

Standard Error: 358000
Relative Standard Error: 7.7
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.278297	25.0	421582.0	0.556594	Y
2	IC 240-586277/4	1.0	0.506407	25.0	415081.0	0.506407	Y
3	IC 240-586277/5	2.5	1.620801	25.0	422615.0	0.648321	Y
4	IC 240-586277/6	6.25	3.777158	25.0	433163.0	0.604345	Y
5	IC 240-586277/7	12.5	7.914432	25.0	426632.0	0.633155	Y
6	ICIS 240-586277/8	25.0	15.77013	25.0	437173.0	0.630805	Y
7	IC 240-586277/9	37.5	24.087555	25.0	427067.0	0.642335	Y
8	IC 240-586277/10	50.0	31.488014	25.0	432170.0	0.62976	Y
9	IC 240-586277/11	62.5	38.207753	25.0	443569.0	0.611324	Y



Calibration

/ 1,3,5-Trimethylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

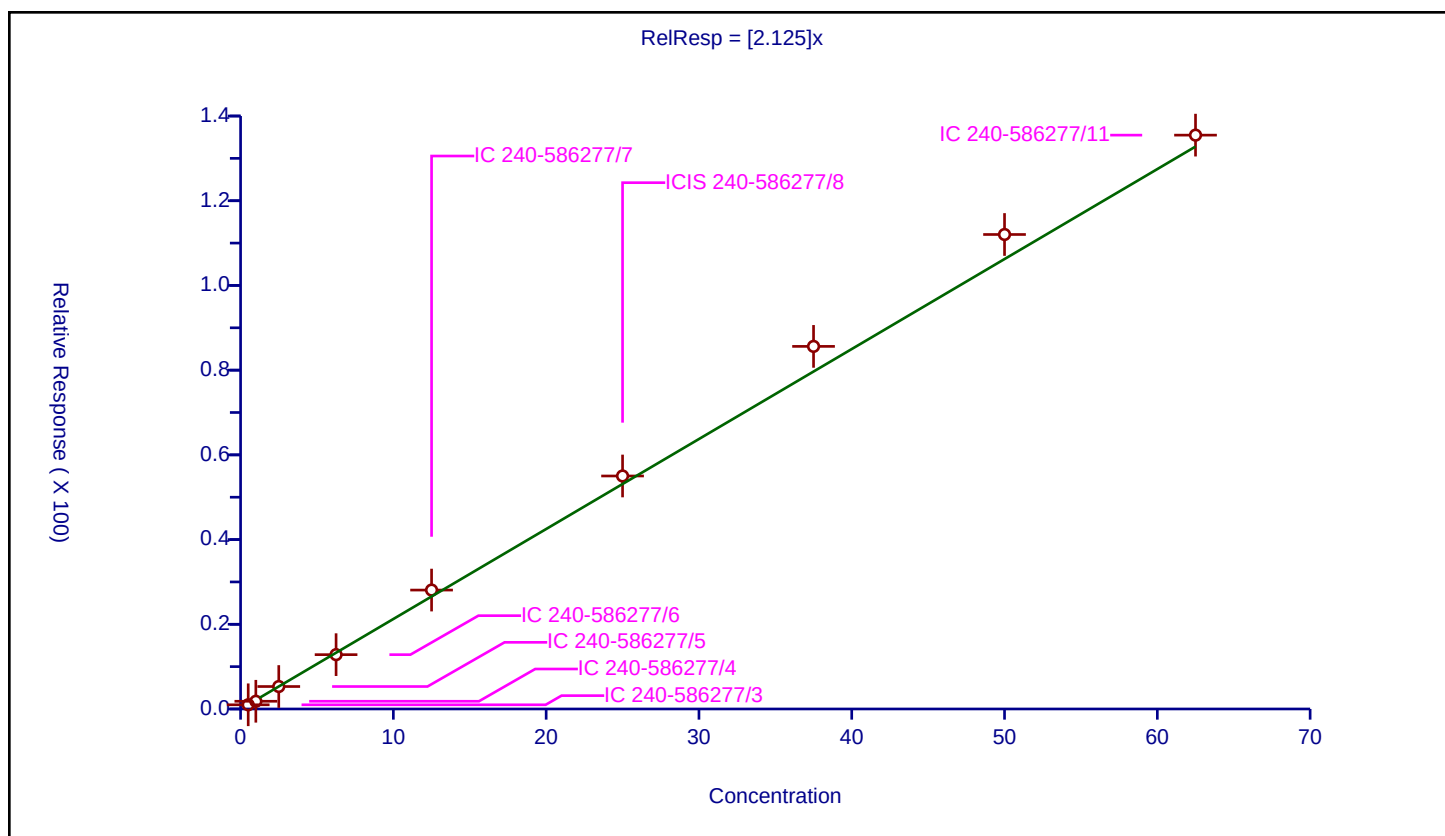
Curve Coefficients

Intercept: 0
 Slope: 2.125

Error Coefficients

Standard Error: 1270000
 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 240-586277/3	0.5	0.994231	25.0	421582.0	1.988463	Y
2	IC 240-586277/4	1.0	1.82097	25.0	415081.0	1.82097	Y
3	IC 240-586277/5	2.5	5.302462	25.0	422615.0	2.120985	Y
4	IC 240-586277/6	6.25	12.828023	25.0	433163.0	2.052484	Y
5	IC 240-586277/7	12.5	28.075601	25.0	426632.0	2.246048	Y
6	ICIS 240-586277/8	25.0	55.010945	25.0	437173.0	2.200438	Y
7	IC 240-586277/9	37.5	85.607996	25.0	427067.0	2.28288	Y
8	IC 240-586277/10	50.0	112.02912	25.0	432170.0	2.240582	Y
9	IC 240-586277/11	62.5	135.488222	25.0	443569.0	2.167812	Y



Calibration

/ 4-Chlorotoluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

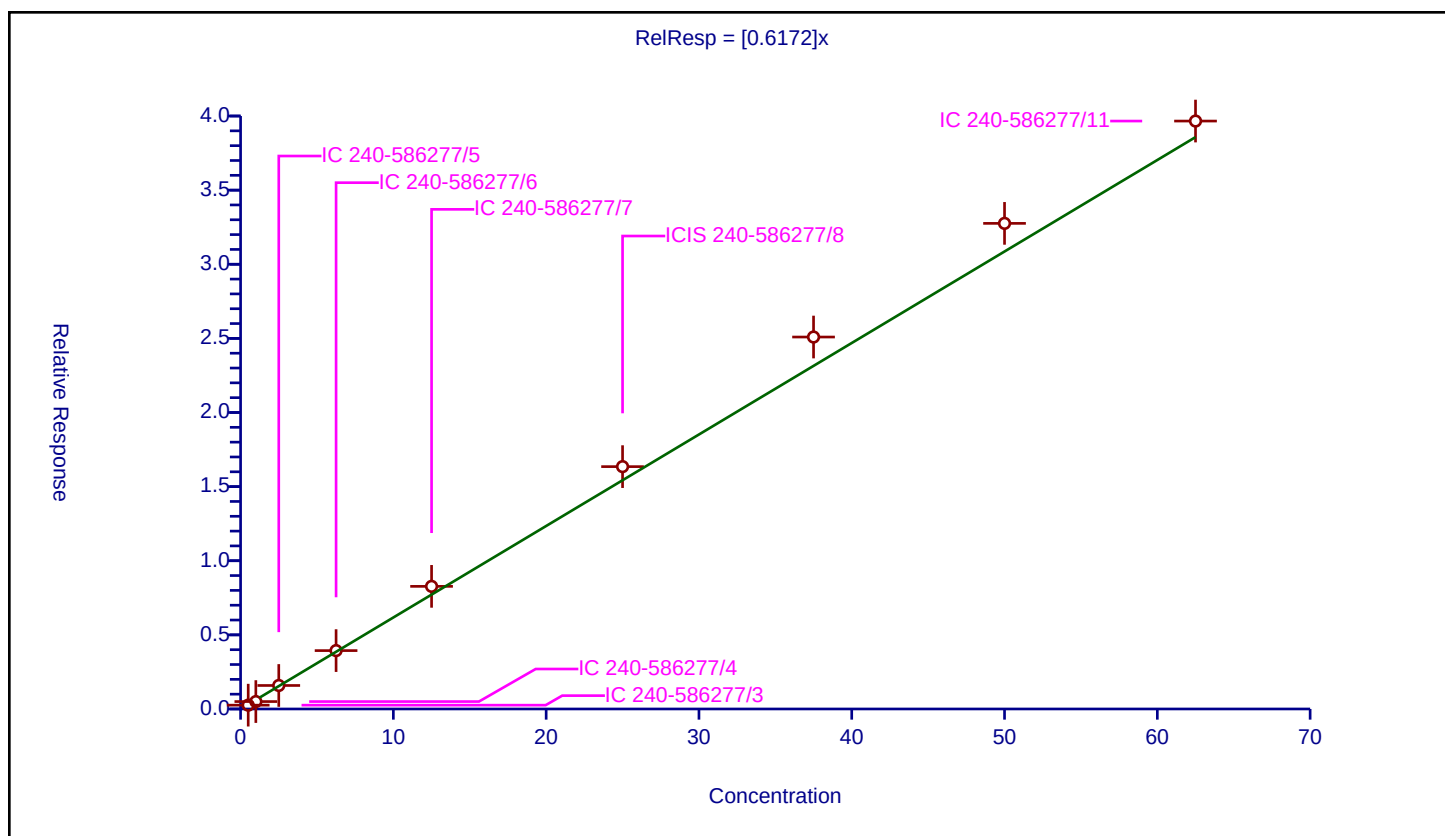
Curve Coefficients

Intercept: 0
Slope: 0.6172

Error Coefficients

Standard Error: 372000
Relative Standard Error: 10.3
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.257305	25.0	421582.0	0.514609	Y
2	IC 240-586277/4	1.0	0.501649	25.0	415081.0	0.501649	Y
3	IC 240-586277/5	2.5	1.585012	25.0	422615.0	0.634005	Y
4	IC 240-586277/6	6.25	3.938183	25.0	433163.0	0.630109	Y
5	IC 240-586277/7	12.5	8.272	25.0	426632.0	0.66176	Y
6	ICIS 240-586277/8	25.0	16.348619	25.0	437173.0	0.653945	Y
7	IC 240-586277/9	37.5	25.090969	25.0	427067.0	0.669093	Y
8	IC 240-586277/10	50.0	32.757248	25.0	432170.0	0.655145	Y
9	IC 240-586277/11	62.5	39.660121	25.0	443569.0	0.634562	Y



Calibration

/ tert-Butylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

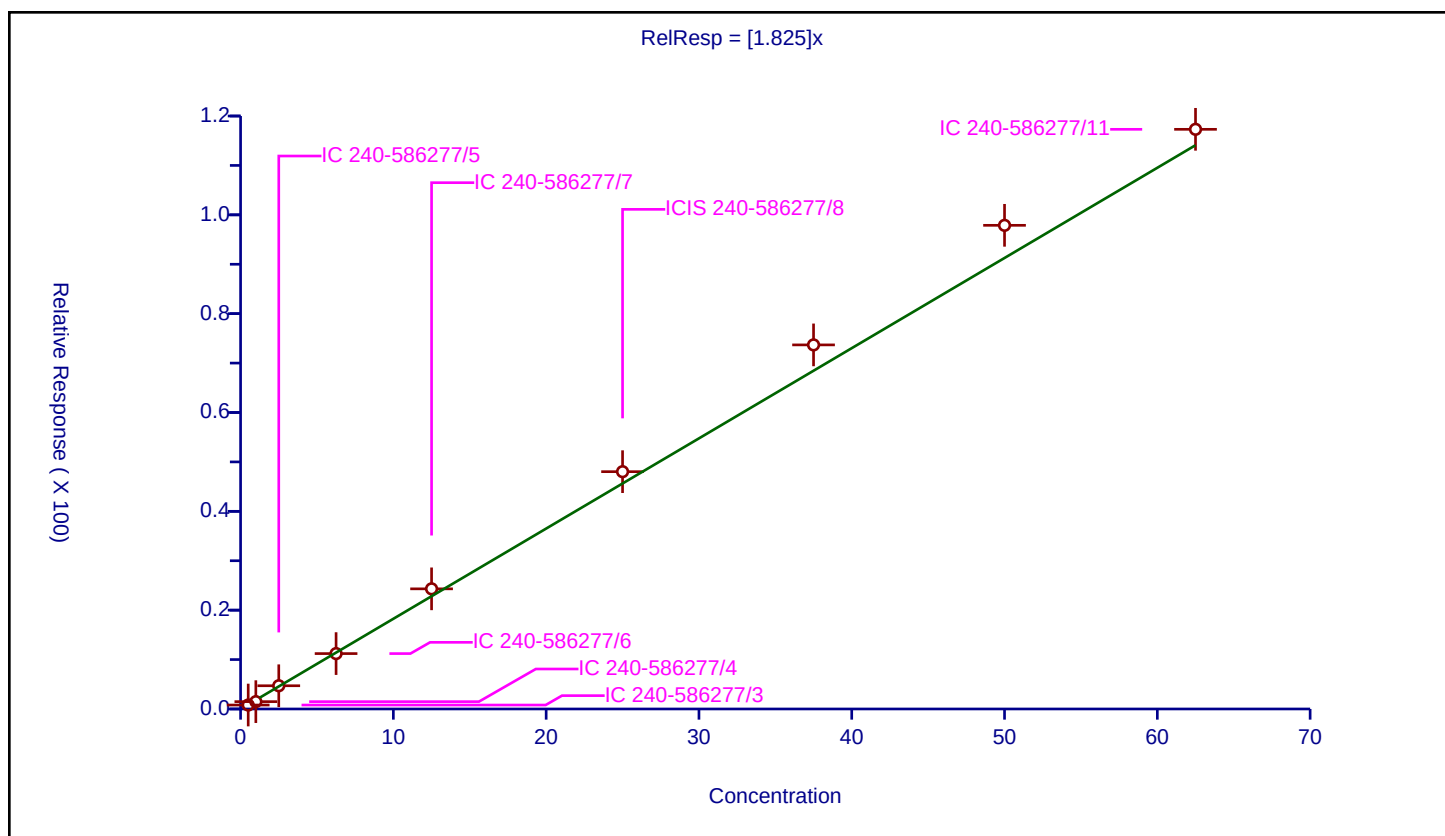
Curve Coefficients

Intercept: 0
Slope: 1.825

Error Coefficients

Standard Error: 1100000
Relative Standard Error: 9.3
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.799844	25.0	421582.0	1.599689	Y
2	IC 240-586277/4	1.0	1.488866	25.0	415081.0	1.488866	Y
3	IC 240-586277/5	2.5	4.701797	25.0	422615.0	1.880719	Y
4	IC 240-586277/6	6.25	11.213446	25.0	433163.0	1.794151	Y
5	IC 240-586277/7	12.5	24.315569	25.0	426632.0	1.945246	Y
6	ICIS 240-586277/8	25.0	48.024924	25.0	437173.0	1.920997	Y
7	IC 240-586277/9	37.5	73.678896	25.0	427067.0	1.964771	Y
8	IC 240-586277/10	50.0	97.876877	25.0	432170.0	1.957538	Y
9	IC 240-586277/11	62.5	117.305368	25.0	443569.0	1.876886	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

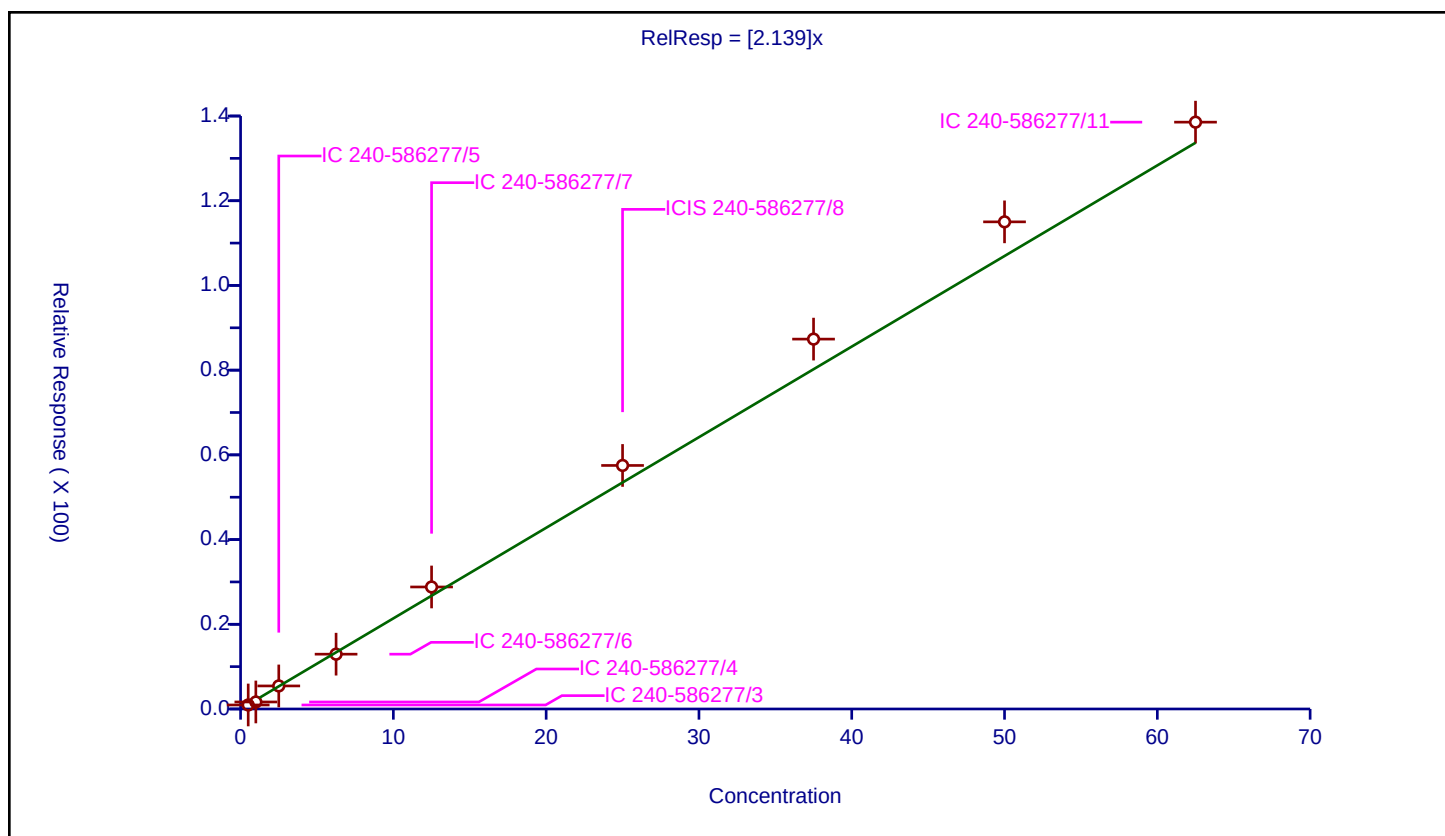
Curve Coefficients

Intercept: 0
Slope: 2.139

Error Coefficients

Standard Error: 1300000
Relative Standard Error: 10.7
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.947918	25.0	421582.0	1.895835	Y
2	IC 240-586277/4	1.0	1.657448	25.0	415081.0	1.657448	Y
3	IC 240-586277/5	2.5	5.441477	25.0	422615.0	2.176591	Y
4	IC 240-586277/6	6.25	12.940279	25.0	433163.0	2.070445	Y
5	IC 240-586277/7	12.5	28.809782	25.0	426632.0	2.304783	Y
6	ICIS 240-586277/8	25.0	57.500692	25.0	437173.0	2.300028	Y
7	IC 240-586277/9	37.5	87.325701	25.0	427067.0	2.328685	Y
8	IC 240-586277/10	50.0	115.010875	25.0	432170.0	2.300218	Y
9	IC 240-586277/11	62.5	138.549189	25.0	443569.0	2.216787	Y



Calibration

/ sec-Butylbenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

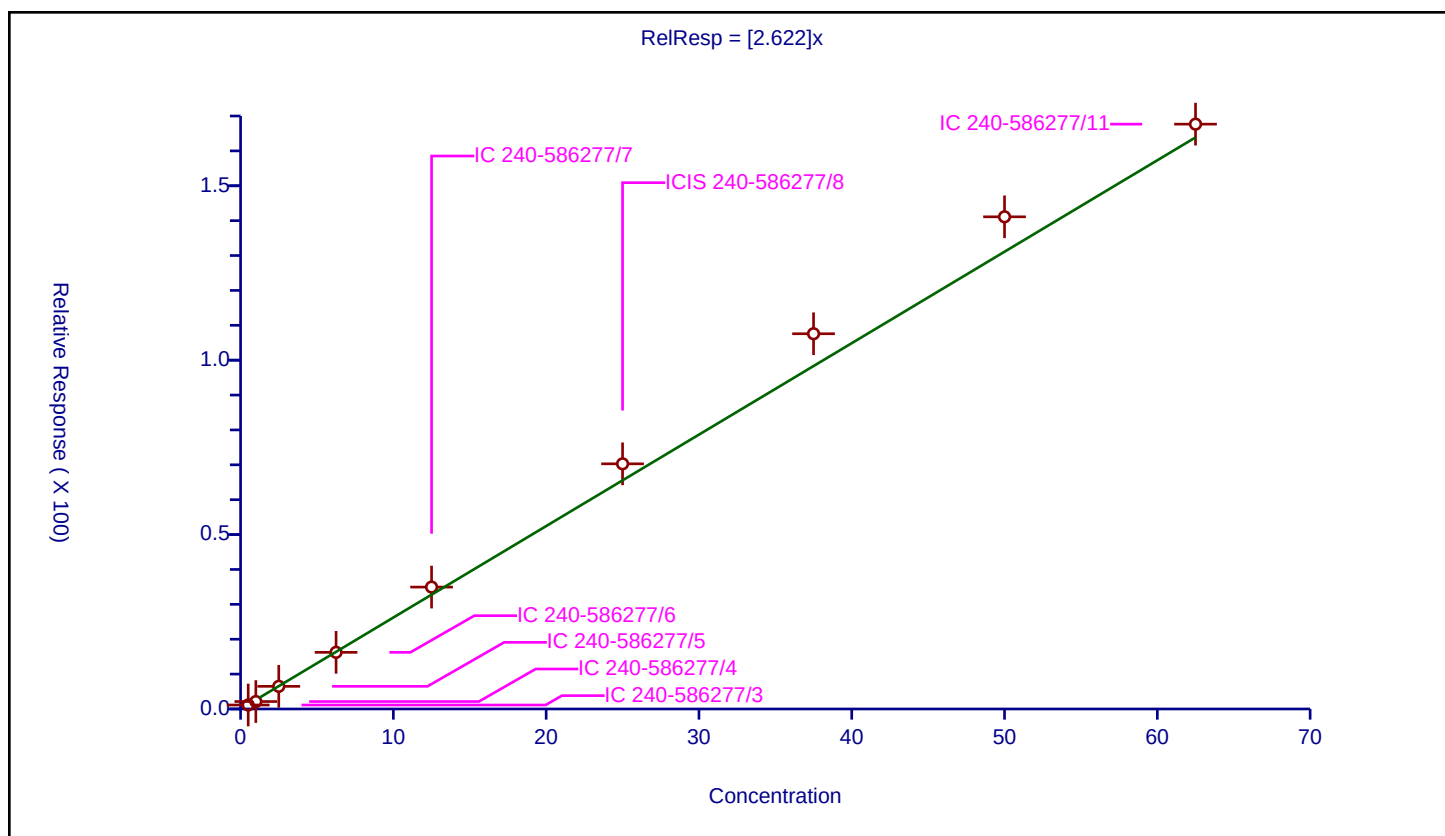
Curve Coefficients

Intercept: 0
 Slope: 2.622

Error Coefficients

Standard Error: 1590000
 Relative Standard Error: 9.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	1.140229	25.0	421582.0	2.280458	Y
2	IC 240-586277/4	1.0	2.139643	25.0	415081.0	2.139643	Y
3	IC 240-586277/5	2.5	6.493499	25.0	422615.0	2.5974	Y
4	IC 240-586277/6	6.25	16.23973	25.0	433163.0	2.598357	Y
5	IC 240-586277/7	12.5	34.947214	25.0	426632.0	2.795777	Y
6	ICIS 240-586277/8	25.0	70.281616	25.0	437173.0	2.811265	Y
7	IC 240-586277/9	37.5	107.580192	25.0	427067.0	2.868805	Y
8	IC 240-586277/10	50.0	141.098063	25.0	432170.0	2.821961	Y
9	IC 240-586277/11	62.5	167.666248	25.0	443569.0	2.68266	Y



Calibration

/ 4-Isopropyltoluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

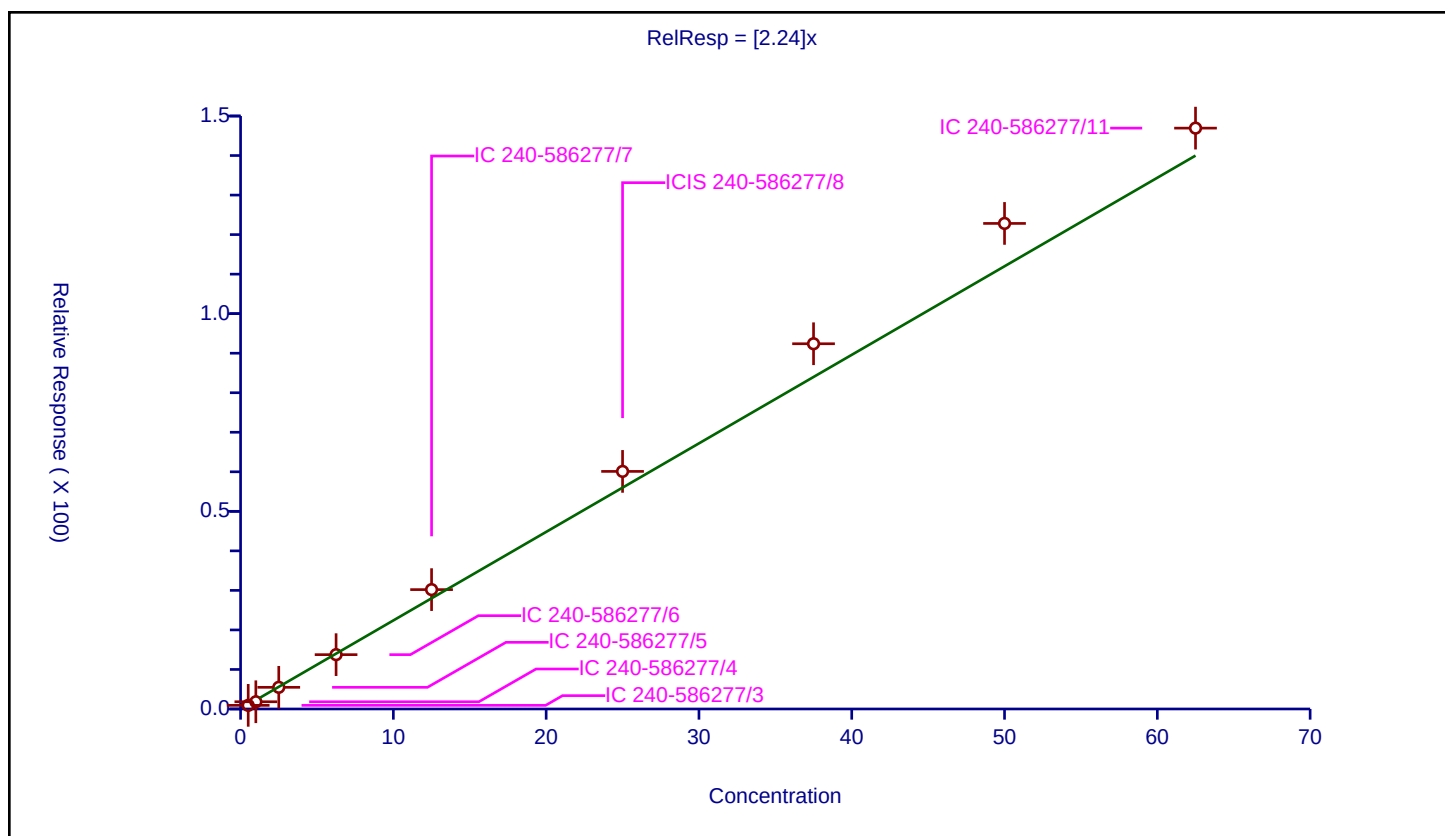
Curve Coefficients

Intercept: 0
Slope: 2.24

Error Coefficients

Standard Error: 1380000
Relative Standard Error: 11.1
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.922478	25.0	421582.0	1.844955	Y
2	IC 240-586277/4	1.0	1.829824	25.0	415081.0	1.829824	Y
3	IC 240-586277/5	2.5	5.480224	25.0	422615.0	2.19209	Y
4	IC 240-586277/6	6.25	13.744422	25.0	433163.0	2.199107	Y
5	IC 240-586277/7	12.5	30.199973	25.0	426632.0	2.415998	Y
6	ICIS 240-586277/8	25.0	60.103723	25.0	437173.0	2.404149	Y
7	IC 240-586277/9	37.5	92.390128	25.0	427067.0	2.463737	Y
8	IC 240-586277/10	50.0	122.826492	25.0	432170.0	2.45653	Y
9	IC 240-586277/11	62.5	146.934637	25.0	443569.0	2.350954	Y



Calibration

/ 1,3-Dichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

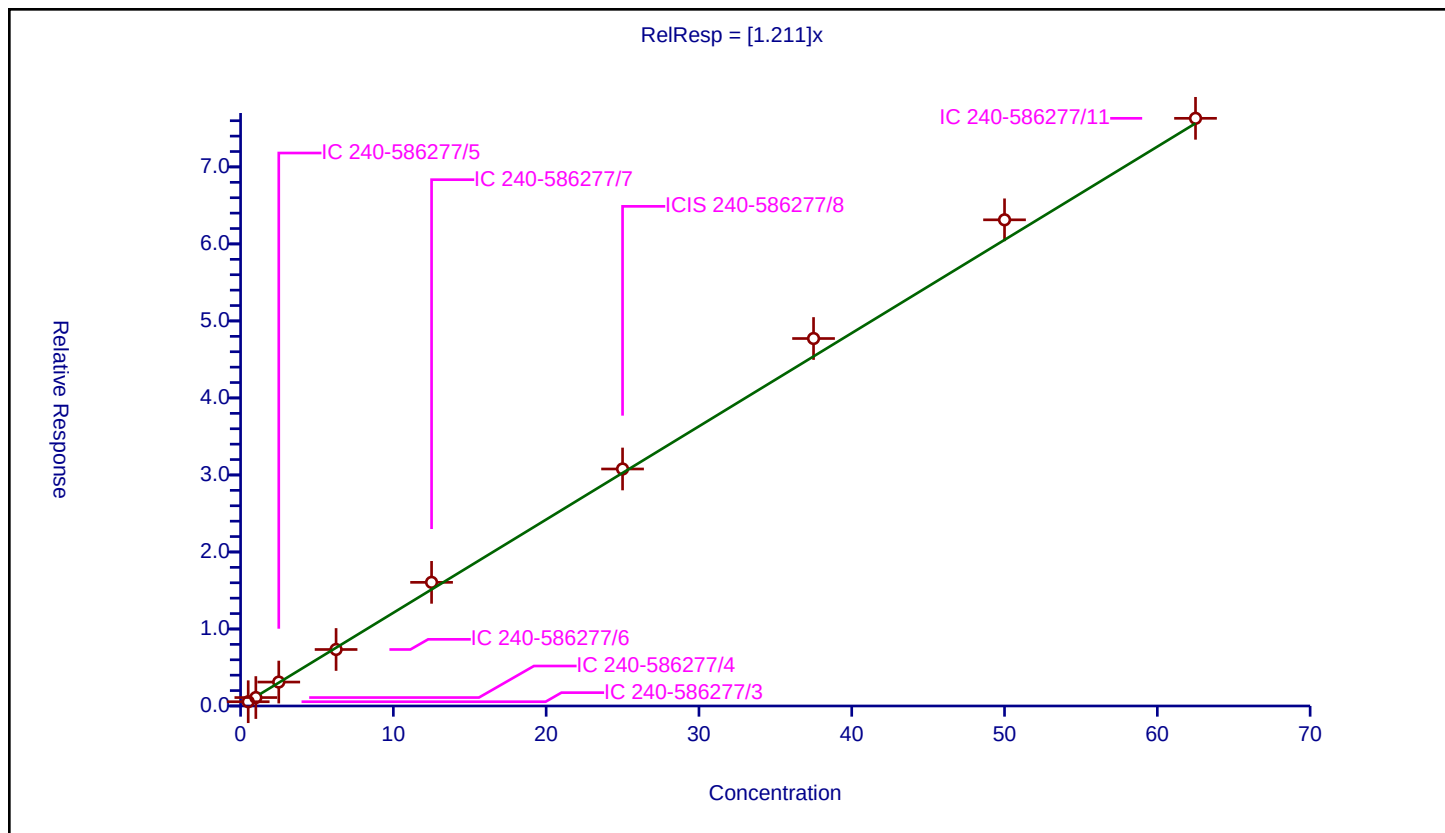
Curve Coefficients

Intercept: 0
 Slope: 1.211

Error Coefficients

Standard Error: 713000
 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 240-586277/3	0.5	0.554341	25.0	421582.0	1.108681	Y
2	IC 240-586277/4	1.0	1.097316	25.0	415081.0	1.097316	Y
3	IC 240-586277/5	2.5	3.108917	25.0	422615.0	1.243567	Y
4	IC 240-586277/6	6.25	7.337307	25.0	433163.0	1.173969	Y
5	IC 240-586277/7	12.5	16.056637	25.0	426632.0	1.284531	Y
6	ICIS 240-586277/8	25.0	30.776031	25.0	437173.0	1.231041	Y
7	IC 240-586277/9	37.5	47.718449	25.0	427067.0	1.272492	Y
8	IC 240-586277/10	50.0	63.13025	25.0	432170.0	1.262605	Y
9	IC 240-586277/11	62.5	76.310619	25.0	443569.0	1.22097	Y



Calibration

/ 1,4-Dichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

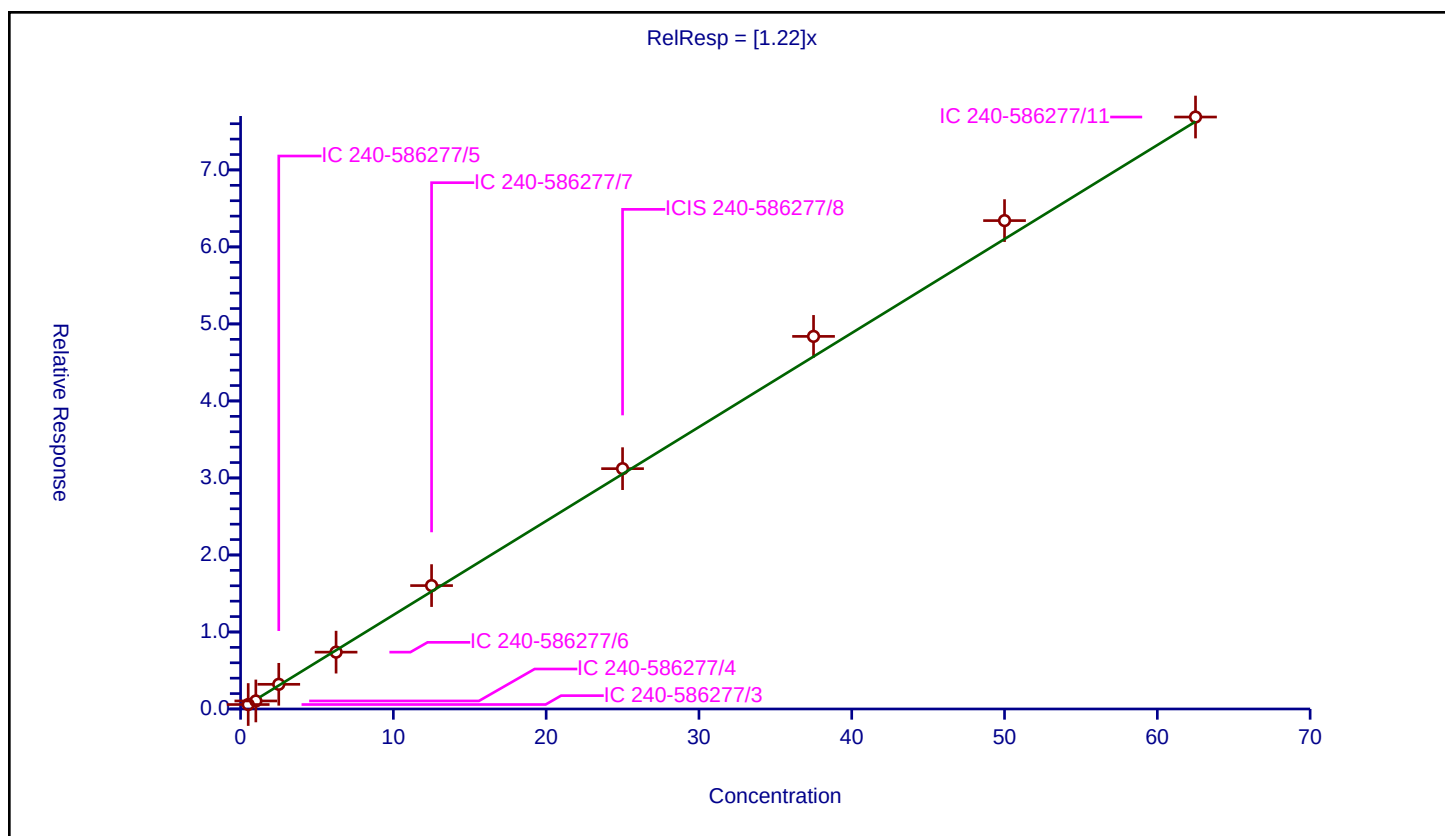
Curve Coefficients

Intercept: 0
Slope: 1.22

Error Coefficients

Standard Error: 719000
Relative Standard Error: 6.6
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.579662	25.0	421582.0	1.159324	Y
2	IC 240-586277/4	1.0	1.042809	25.0	415081.0	1.042809	Y
3	IC 240-586277/5	2.5	3.204808	25.0	422615.0	1.281923	Y
4	IC 240-586277/6	6.25	7.382094	25.0	433163.0	1.181135	Y
5	IC 240-586277/7	12.5	16.024232	25.0	426632.0	1.281939	Y
6	ICIS 240-586277/8	25.0	31.206525	25.0	437173.0	1.248261	Y
7	IC 240-586277/9	37.5	48.384328	25.0	427067.0	1.290249	Y
8	IC 240-586277/10	50.0	63.420355	25.0	432170.0	1.268407	Y
9	IC 240-586277/11	62.5	76.869213	25.0	443569.0	1.229907	Y



Calibration

/ n-Butylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

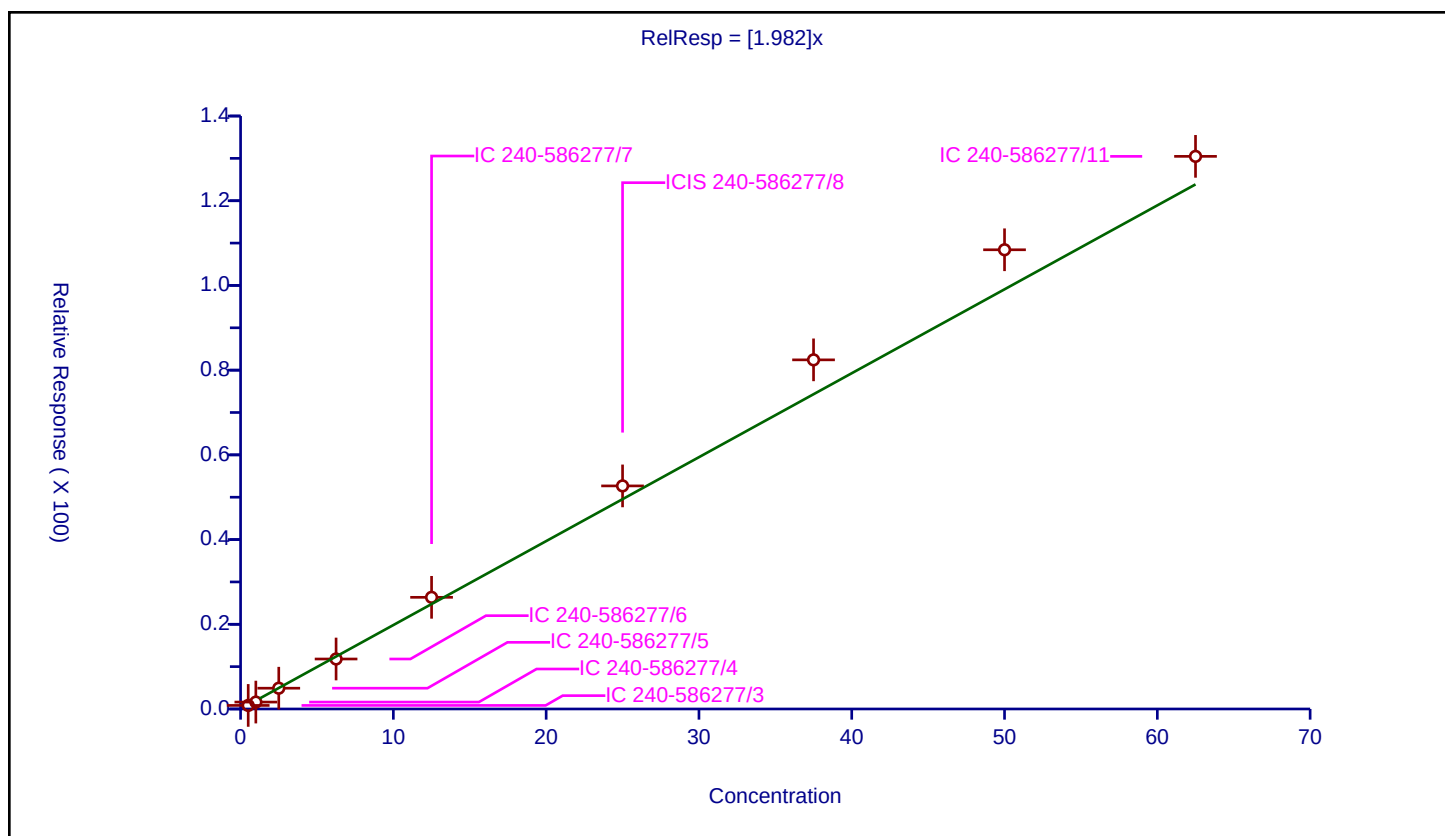
Curve Coefficients

Intercept: 0
Slope: 1.982

Error Coefficients

Standard Error: 1220000
Relative Standard Error: 10.5
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.83922	25.0	421582.0	1.67844	Y
2	IC 240-586277/4	1.0	1.635223	25.0	415081.0	1.635223	Y
3	IC 240-586277/5	2.5	4.907777	25.0	422615.0	1.963111	Y
4	IC 240-586277/6	6.25	11.80439	25.0	433163.0	1.888702	Y
5	IC 240-586277/7	12.5	26.362357	25.0	426632.0	2.108989	Y
6	ICIS 240-586277/8	25.0	52.666908	25.0	437173.0	2.106676	Y
7	IC 240-586277/9	37.5	82.427523	25.0	427067.0	2.198067	Y
8	IC 240-586277/10	50.0	108.421686	25.0	432170.0	2.168434	Y
9	IC 240-586277/11	62.5	130.471415	25.0	443569.0	2.087543	Y



Calibration

/ 1,2-Dichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

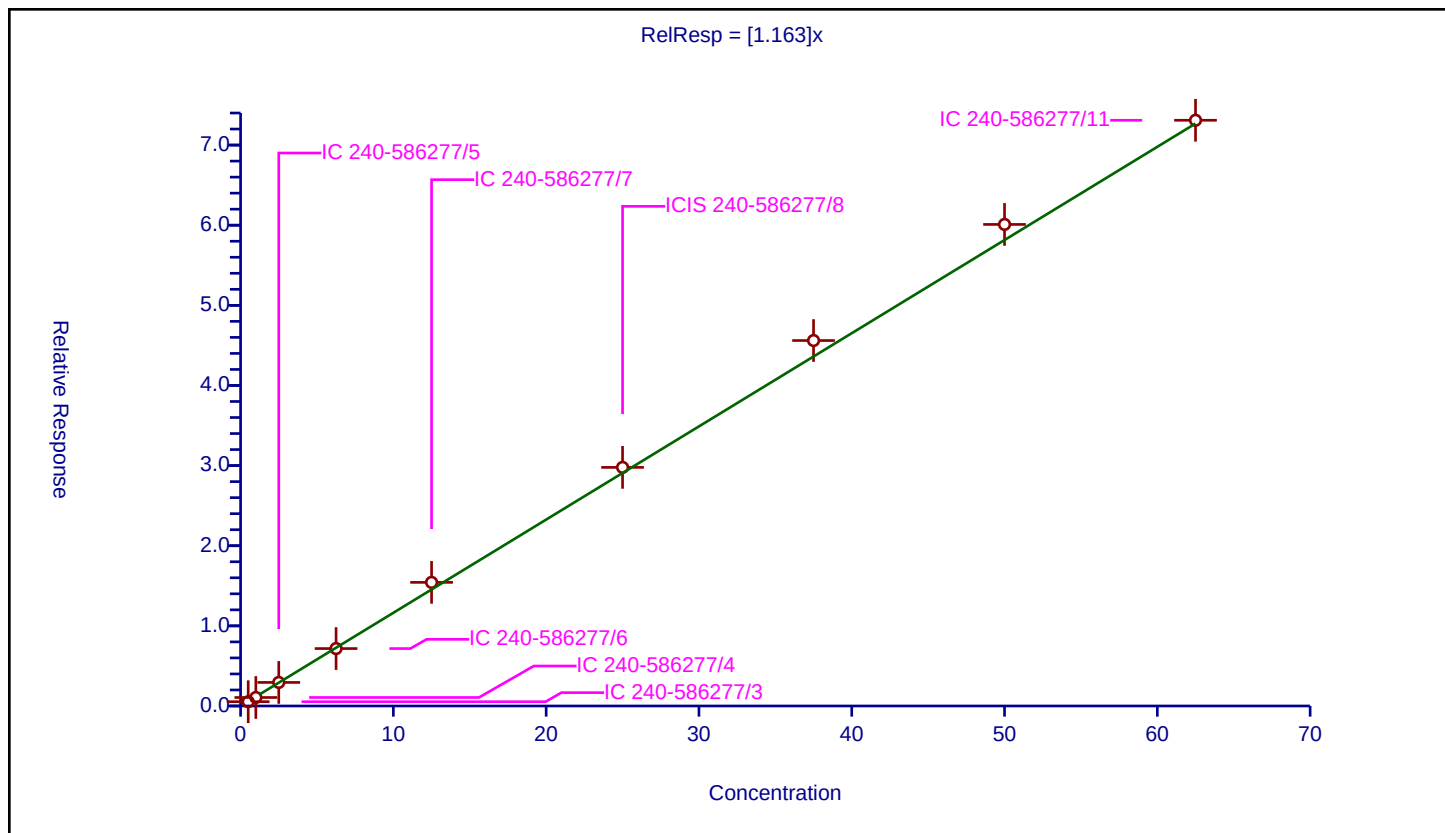
Curve Coefficients

Intercept: 0
 Slope: 1.163

Error Coefficients

Standard Error: 683000
 Relative Standard Error: 5.2
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.535364	25.0	421582.0	1.070729	Y
2	IC 240-586277/4	1.0	1.060215	25.0	415081.0	1.060215	Y
3	IC 240-586277/5	2.5	2.941625	25.0	422615.0	1.17665	Y
4	IC 240-586277/6	6.25	7.165836	25.0	433163.0	1.146534	Y
5	IC 240-586277/7	12.5	15.426996	25.0	426632.0	1.23416	Y
6	ICIS 240-586277/8	25.0	29.775283	25.0	437173.0	1.191011	Y
7	IC 240-586277/9	37.5	45.606017	25.0	427067.0	1.21616	Y
8	IC 240-586277/10	50.0	60.096895	25.0	432170.0	1.201938	Y
9	IC 240-586277/11	62.5	73.095787	25.0	443569.0	1.169533	Y



Calibration

/ 1,2-Dibromo-3-Chloropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

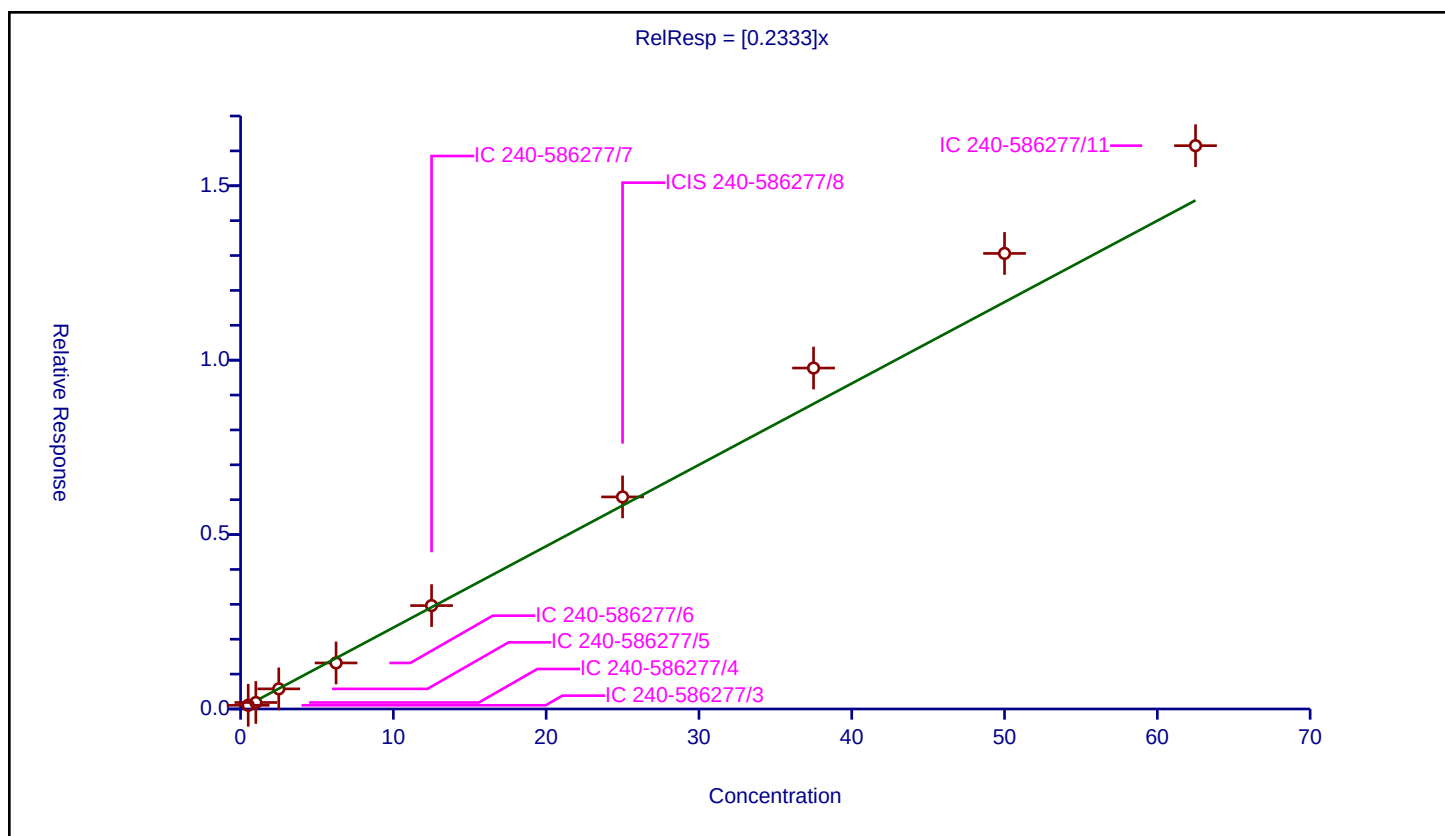
Curve Coefficients

Intercept: 0
Slope: 0.2333

Error Coefficients

Standard Error: 148000
Relative Standard Error: 11.2
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.105614	25.0	421582.0	0.211228	Y
2	IC 240-586277/4	1.0	0.185867	25.0	415081.0	0.185867	Y
3	IC 240-586277/5	2.5	0.57718	25.0	422615.0	0.230872	Y
4	IC 240-586277/6	6.25	1.320173	25.0	433163.0	0.211228	Y
5	IC 240-586277/7	12.5	2.96403	25.0	426632.0	0.237122	Y
6	ICIS 240-586277/8	25.0	6.07963	25.0	437173.0	0.243185	Y
7	IC 240-586277/9	37.5	9.774988	25.0	427067.0	0.260666	Y
8	IC 240-586277/10	50.0	13.060659	25.0	432170.0	0.261213	Y
9	IC 240-586277/11	62.5	16.149517	25.0	443569.0	0.258392	Y



Calibration

/ 1,2,4-Trichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

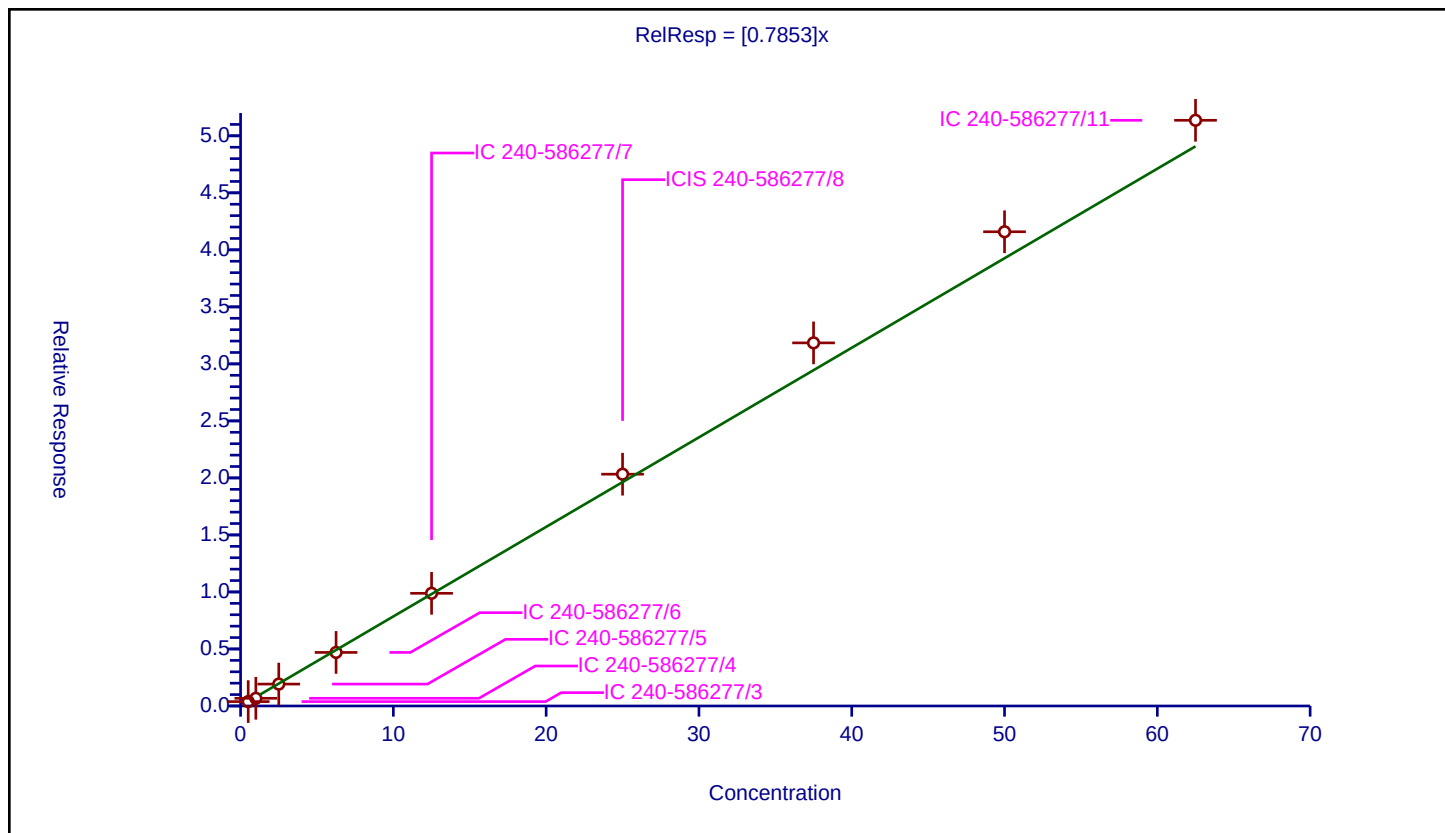
Curve Coefficients

Intercept: 0
 Slope: 0.7853

Error Coefficients

Standard Error: 475000
 Relative Standard Error: 6.8
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.383792	25.0	421582.0	0.767585	Y
2	IC 240-586277/4	1.0	0.673784	25.0	415081.0	0.673784	Y
3	IC 240-586277/5	2.5	1.921371	25.0	422615.0	0.768548	Y
4	IC 240-586277/6	6.25	4.695807	25.0	433163.0	0.751329	Y
5	IC 240-586277/7	12.5	9.880822	25.0	426632.0	0.790466	Y
6	ICIS 240-586277/8	25.0	20.327937	25.0	437173.0	0.813117	Y
7	IC 240-586277/9	37.5	31.841198	25.0	427067.0	0.849099	Y
8	IC 240-586277/10	50.0	41.585776	25.0	432170.0	0.831716	Y
9	IC 240-586277/11	62.5	51.361344	25.0	443569.0	0.821782	Y



Calibration

/ Hexachlorobutadiene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

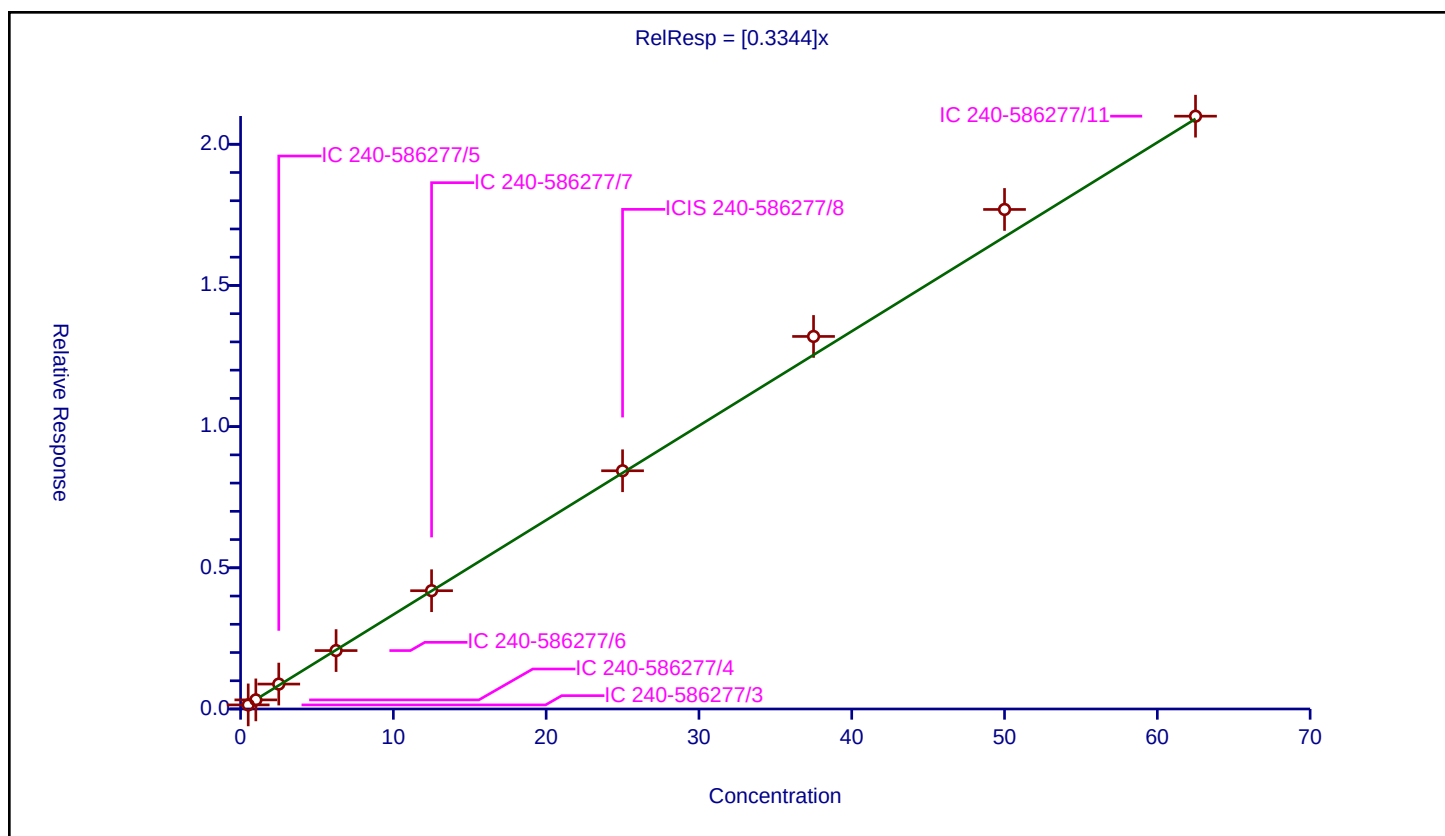
Curve Coefficients

Intercept: 0
Slope: 0.3344

Error Coefficients

Standard Error: 197000
Relative Standard Error: 6.0
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.144693	25.0	421582.0	0.289386	Y
2	IC 240-586277/4	1.0	0.322106	25.0	415081.0	0.322106	Y
3	IC 240-586277/5	2.5	0.882423	25.0	422615.0	0.352969	Y
4	IC 240-586277/6	6.25	2.068679	25.0	433163.0	0.330989	Y
5	IC 240-586277/7	12.5	4.188915	25.0	426632.0	0.335113	Y
6	ICIS 240-586277/8	25.0	8.436763	25.0	437173.0	0.337471	Y
7	IC 240-586277/9	37.5	13.193187	25.0	427067.0	0.351818	Y
8	IC 240-586277/10	50.0	17.691071	25.0	432170.0	0.353821	Y
9	IC 240-586277/11	62.5	20.994423	25.0	443569.0	0.335911	Y



Calibration

/ Naphthalene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

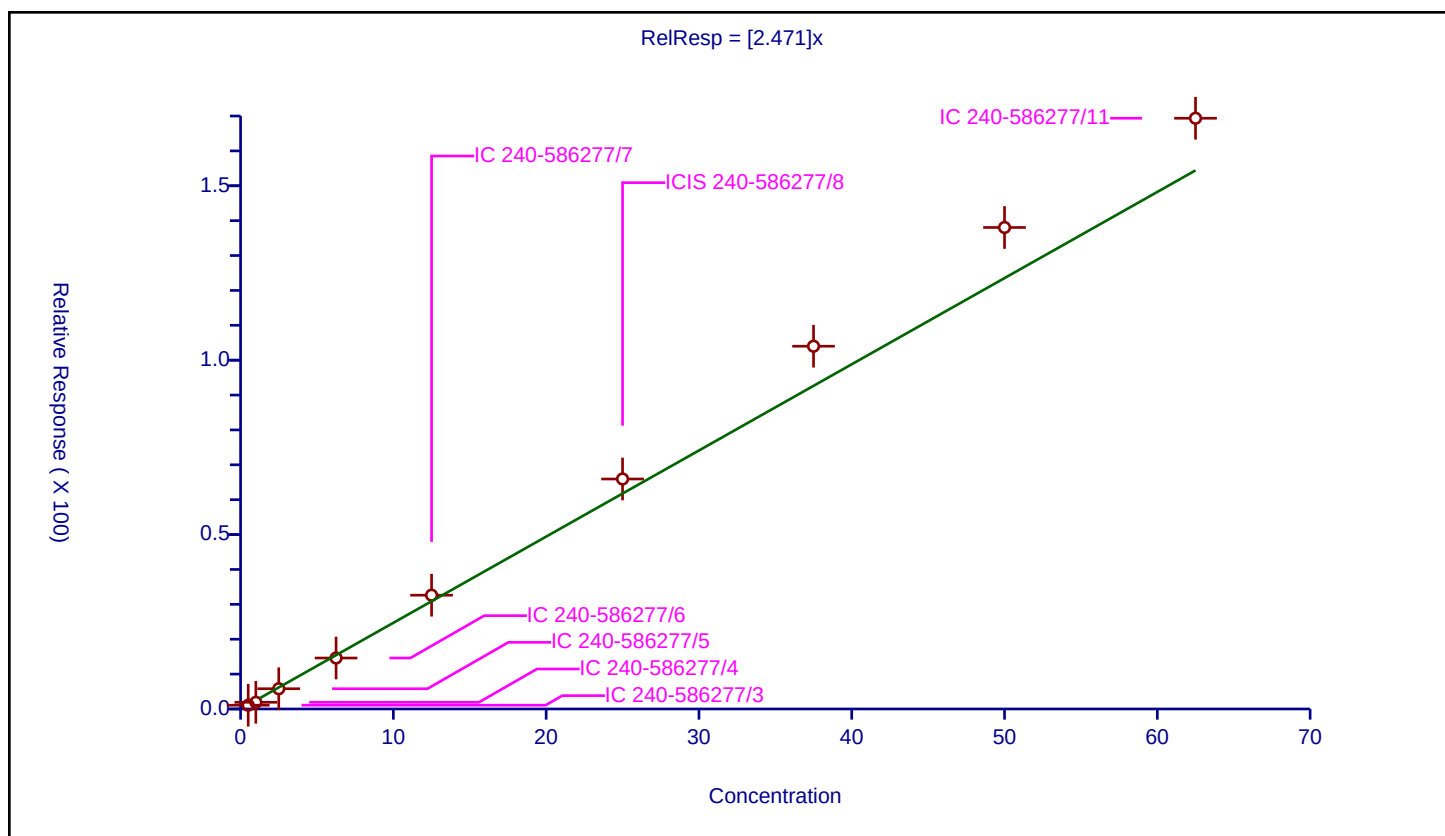
Curve Coefficients

Intercept: 0
Slope: 2.471

Error Coefficients

Standard Error: 1560000
Relative Standard Error: 12.1
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	1.081699	25.0	421582.0	2.163399	Y
2	IC 240-586277/4	1.0	1.919746	25.0	415081.0	1.919746	Y
3	IC 240-586277/5	2.5	5.805934	25.0	422615.0	2.322374	Y
4	IC 240-586277/6	6.25	14.616265	25.0	433163.0	2.338602	Y
5	IC 240-586277/7	12.5	32.62642	25.0	426632.0	2.610114	Y
6	ICIS 240-586277/8	25.0	65.934081	25.0	437173.0	2.637363	Y
7	IC 240-586277/9	37.5	104.000836	25.0	427067.0	2.773356	Y
8	IC 240-586277/10	50.0	138.040991	25.0	432170.0	2.76082	Y
9	IC 240-586277/11	62.5	169.354824	25.0	443569.0	2.709677	Y



Calibration

/ 1,2,3-Trichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

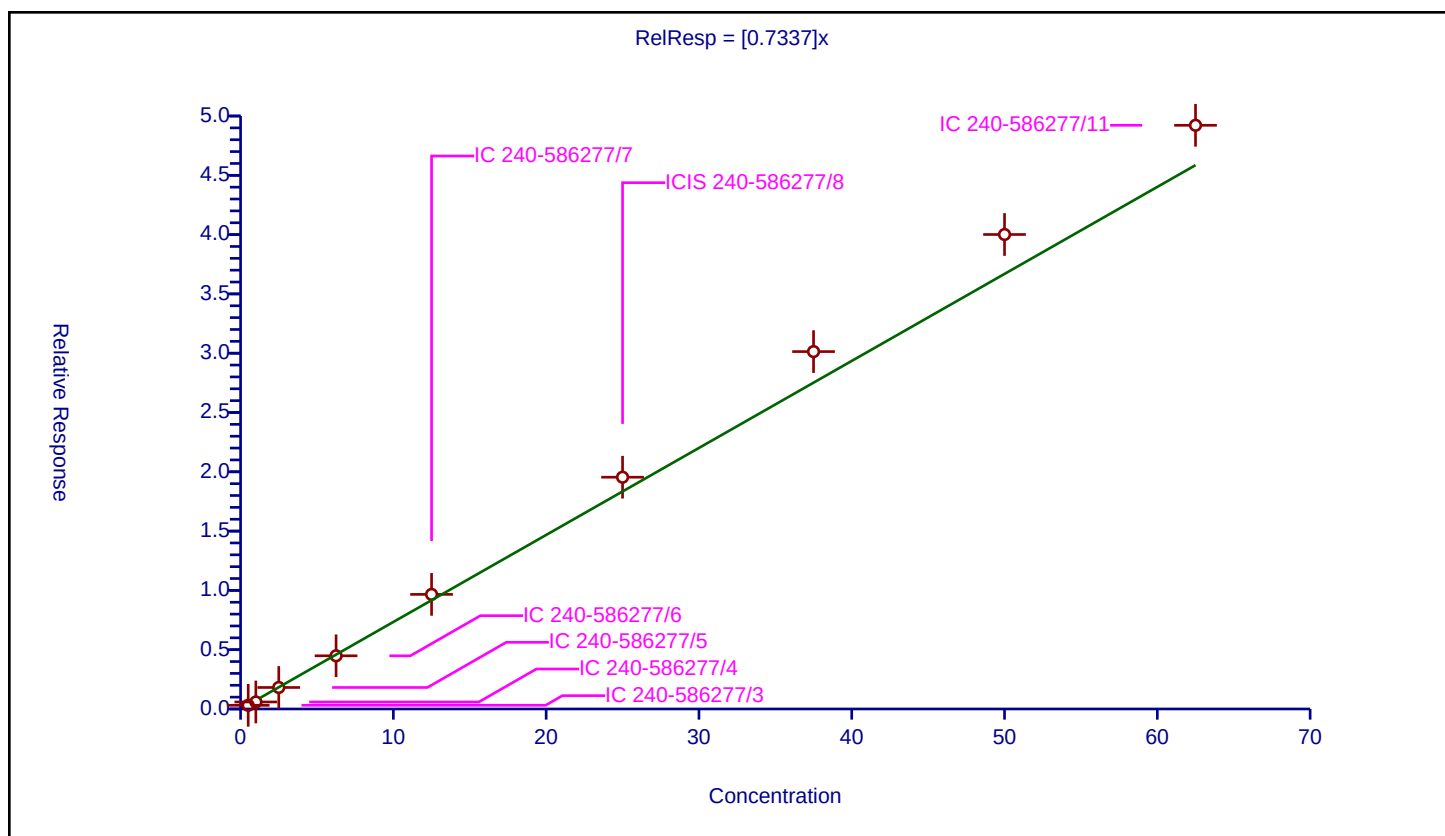
Curve Coefficients

Intercept: 0
 Slope: 0.7337

Error Coefficients

Standard Error: 455000
 Relative Standard Error: 10.7
 Correlation Coefficient: 1.000
 Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-586277/3	0.5	0.311268	25.0	421582.0	0.622536	Y
2	IC 240-586277/4	1.0	0.591812	25.0	415081.0	0.591812	Y
3	IC 240-586277/5	2.5	1.813767	25.0	422615.0	0.725507	Y
4	IC 240-586277/6	6.25	4.48382	25.0	433163.0	0.717411	Y
5	IC 240-586277/7	12.5	9.663129	25.0	426632.0	0.77305	Y
6	ICIS 240-586277/8	25.0	19.542492	25.0	437173.0	0.7817	Y
7	IC 240-586277/9	37.5	30.136957	25.0	427067.0	0.803652	Y
8	IC 240-586277/10	50.0	40.008793	25.0	432170.0	0.800176	Y
9	IC 240-586277/11	62.5	49.218385	25.0	443569.0	0.787494	Y



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 582961
SDG No.: _____
Instrument ID: A3UX23 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 08/04/2023 15:49 Calibration End Date: 08/04/2023 19:09 Calibration ID: 71409

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-582961/3	236428.D
Level 2	IC 240-582961/4	236429.D
Level 3	IC 240-582961/5	236430.D
Level 4	IC 240-582961/6	236431.D
Level 5	IC 240-582961/7	236432.D
Level 6	ICIS 240-582961/8	236433.D
Level 7	IC 240-582961/9	236434.D
Level 8	IC 240-582961/10	236435.D
Level 9	IC 240-582961/11	236436.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8	LVL 9													
Dichlorodifluoromethane	0.3674 0.3144	0.3269 0.3116	0.2813 0.3217	0.3508 0.3079	0.3485	Ave		0.325 6			0.1000	8.1		20.0			
Chloromethane	0.5517 0.4605	0.4557 0.4837	0.4032 0.4700	0.4672 0.4616	0.4728	Ave		0.469 6			0.1000	8.1		20.0			
Vinyl chloride	0.3700 0.3226	0.3223 0.3305	0.2644 0.3311	0.3298 0.3258	0.3402	Ave		0.326 3			0.1000	8.4		20.0			
Butadiene	0.5364 0.4171	0.4550 0.4191	0.3665 0.4216	0.4408 0.4112	0.4525	Ave		0.435 6				10.6		20.0			
Bromomethane	0.2019 0.1615	0.2314 0.1537	0.1504 +++++	0.1734 +++++	0.1795	Ave		0.178 8			0.0500	16.2		20.0			
Chloroethane	0.2486 0.1894	0.2104 0.1957	0.1804 0.1851	0.2001 0.1818	0.2053	Ave		0.199 7			0.0500	10.6		20.0			
Dichlorofluoromethane	0.3476 0.3671	0.4615 0.3783	0.3136 0.3679	0.3678 0.3631	0.3992	Ave		0.374 0				10.7		20.0			
Trichlorofluoromethane	0.3277 0.3319	0.3071 0.3363	0.2635 0.3359	0.3435 0.3252	0.3576	Ave		0.325 4			0.1000	8.3		20.0			
Ethyl ether	0.2887 0.2728	0.3110 0.2735	0.2562 0.2581	0.2532 0.2632	0.2781	Ave		0.272 8				6.7		20.0			
Acrolein	+++++ 0.0180	+++++ 0.0160	0.0175 0.0172	0.0181 0.0159	0.0174	Ave		0.017 2				5.1		20.0			
1,1-Dichloroethene	+++++ 0.2022	0.2734 0.2085	0.2234 0.1925	0.1938 0.2023	0.2206	Ave		0.214 6			0.1000	12.2		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1958 0.1694	0.2162 0.1674	0.1759 0.1633	0.1577 0.1647	0.1844	Ave		0.177 2			0.0500	10.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 582961
SDG No.: _____
Instrument ID: A3UX23 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 08/04/2023 15:49 Calibration End Date: 08/04/2023 19:09 Calibration ID: 71409

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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	++++ 0.0380	0.0843 0.0397	0.0454 0.0378	0.0373 0.0365	0.0459	Lin1	0.079 1	0.037 n			0.0100	15.1		30.0	0.9950		0.9900
Iodomethane	0.3431 0.3424	0.3750 0.3446	0.3267 0.3277	0.3219 0.3356	0.3609	Ave		0.342 n				5.0		20.0			
Carbon disulfide	0.7634 0.6439	0.7423 0.6463	0.6235 0.6226	0.5975 0.6457	0.6798	Ave		0.662 8			0.1000	8.4		20.0			
3-Chloro-1-propene	0.7804 0.5983	0.7242 0.5931	0.5649 0.5791	0.5420 0.5982	0.6053	Ave		0.620 6				12.6		20.0			
Methyl acetate	0.3884 0.3982	0.4644 0.4065	0.3680 0.3881	0.3508 0.3958	0.4081	Ave		0.396 5			0.0500	7.9		20.0			
Methylene Chloride	0.5889 0.2609	0.4041 0.2573	0.3020 0.2445	0.2578 0.2515	0.2775	Lin1	0.161 9	0.248 7			0.1000	5.0		30.0	0.9990		0.9900
2-Methyl-2-propanol	++++ 0.0377	0.0493 0.0314	0.0333 0.0307	0.0259 0.0355	0.0402	Ave		0.035 5				20.0		20.0			
Acrylonitrile	0.1651 0.1729	0.1796 0.1749	0.1580 0.1695	0.1535 0.1687	0.1806	Ave		0.169 2				5.4		20.0			
trans-1,2-Dichloroethene	0.3290 0.2497	0.3172 0.2522	0.2517 0.2386	0.2394 0.2477	0.2617	Ave		0.265 2			0.1000	12.7		20.0			
Methyl tert-butyl ether	0.8593 0.7930	0.8740 0.8089	0.7370 0.7765	0.7269 0.7899	0.8069	Ave		0.796 9			0.1000	6.1		20.0			
Hexane	0.4370 0.4006	0.5041 0.3880	0.4185 0.4007	0.3592 0.4000	0.4202	Ave		0.414 3				9.7		20.0			
1,1-Dichloroethane	0.5554 0.5211	0.5823 0.5313	0.4835 0.5071	0.4859 0.5209	0.5368	Ave		0.524 9			0.2000	6.0		20.0			
Vinyl acetate	0.6486 0.7171	0.7489 0.7196	0.6395 0.7373	0.6270 0.7433	0.7003	Ave		0.697 9				6.8		20.0			
2,2-Dichloropropane	0.0830 0.0656	0.0795 0.0629	0.0603 0.0576	0.0615 0.0591	0.0726	Ave		0.066 9				13.9		20.0			
cis-1,2-Dichloroethene	0.3532 0.2827	0.3541 0.2830	0.2744 0.2677	0.2670 0.2801	0.2864	Ave		0.294 3			0.1000	11.7		20.0			
2-Butanone (MEK)	0.0567 0.0420	0.0577 0.0434	0.0422 0.0423	0.0404 0.0426	0.0447	Ave		0.045 8			0.0100	14.4		20.0			
Chlorobromomethane	0.1561 0.1331	0.1562 0.1314	0.1260 0.1285	0.1251 0.1301	0.1330	Ave		0.135 5				8.9		20.0			
Tetrahydrofuran	0.1866 0.1564	0.1778 0.1595	0.1440 0.1518	0.1341 0.1559	0.1554	Ave		0.158 n				10.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 582961
SDG No.: _____
Instrument ID: A3UX23 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 08/04/2023 15:49 Calibration End Date: 08/04/2023 19:09 Calibration ID: 71409

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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	0.5367 0.4645	0.5244 0.4667	0.4464 0.4442	0.4327 0.4585	0.4818	Ave		0.472 9			0.2000	7.6		20.0			
1,1,1-Trichloroethane	0.4217 0.4083	0.4430 0.4068	0.3835 0.3909	0.3778 0.4020	0.4169	Ave		0.405 6			0.1000	5.0		20.0			
Cyclohexane	0.5361 0.5307	0.5944 0.5182	0.5265 0.5194	0.4752 0.5270	0.5588	Ave		0.531 8			0.1000	6.0		20.0			
Carbon tetrachloride	0.3671 0.3487	0.4009 0.3507	0.3443 0.3391	0.3193 0.3480	0.3602	Ave		0.353 2			0.1000	6.3		20.0			
1,1-Dichloropropene	0.3663 0.3575	0.3971 0.3554	0.3447 0.3434	0.3317 0.3574	0.3613	Ave		0.357 2				5.1		20.0			
Benzene	1.1076 1.0482	1.1934 1.0593	1.0435 1.0225	0.9866 1.0446	1.0823	Ave		1.065 3			0.5000	5.5		20.0			
1,2-Dichloroethane	0.4719 0.4475	0.5149 0.4492	0.4377 0.4314	0.4201 0.4385	0.4587	Ave		0.452 2			0.1000	6.2		20.0			
Isobutyl alcohol	0.0148 0.0168	0.0194 0.0162	0.0149 0.0163	0.0142 0.0154	0.0178	Ave		0.016 2				10.1		20.0			
n-Heptane	0.0613 0.0531	0.0631 0.0516	0.0524 0.0525	0.0470 0.0529	0.0526	Ave		0.054 1				9.2		20.0			
Trichloroethene	0.2832 0.2645	0.3091 0.2662	0.2659 0.2541	0.2510 0.2615	0.2674	Ave		0.269 2			0.1500	6.5		20.0			
Methylcyclohexane	0.4346 0.4035	0.4668 0.3923	0.4012 0.3990	0.3663 0.3980	0.4252	Ave		0.409 7			0.1000	7.0		20.0			
1,2-Dichloropropane	0.2788 0.2879	0.3210 0.2892	0.2747 0.2838	0.2668 0.2907	0.2863	Ave		0.286 6			0.1000	5.3		20.0			
Dibromomethane	0.1616 0.1612	0.1765 0.1604	0.1550 0.1577	0.1499 0.1603	0.1585	Ave		0.160 1				4.5		20.0			
1,4-Dioxane	0.0026 0.0026	0.0030 0.0024	0.0025 0.0025	0.0022 0.0025	0.0027	Ave		0.002 6				8.3		20.0			
Dichlorobromomethane	0.3628 0.3383	0.3729 0.3451	0.3173 0.3379	0.3081 0.3462	0.3362	Ave		0.340 5			0.1500	5.9		20.0			
2-Chloroethyl vinyl ether	0.1889 0.2091	0.2112 0.2159	0.1913 0.2159	0.1881 0.2150	0.2041	Ave		0.204 4				5.8		20.0			
cis-1,3-Dichloropropene	0.3751 0.4171	0.4192 0.4223	0.3742 0.4199	0.3774 0.4217	0.4085	Ave		0.403 9			0.1500	5.4		20.0			
4-Methyl-2-pentanone (MIBK)	0.3944 0.4923	0.4421 0.5044	0.3887 0.4898	0.4008 0.4896	0.4829	Ave		0.453 9			0.0500	10.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 582961

SDG No.: _____

Instrument ID: A3UX23 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/04/2023 15:49 Calibration End Date: 08/04/2023 19:09 Calibration ID: 71409

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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	1.6756 1.5192	1.7738 1.5104	1.4957 1.4392	1.4443 1.4987	1.5213	Ave		1.542 0			0.4000	7.2		20.0			
trans-1,3-Dichloropropene	0.4804 0.5325	0.5390 0.5470	0.4757 0.5272	0.4706 0.5470	0.5079	Ave		0.514 1			0.1000	6.1		20.0			
Ethyl methacrylate	0.4111 0.4822	0.4722 0.5117	0.3887 0.5115	0.4043 0.5200	0.4375	Ave		0.459 9				11.0		20.0			
1,1,2-Trichloroethane	0.3182 0.3141	0.3482 0.3202	0.3034 0.3079	0.2936 0.3158	0.3194	Ave		0.315 6			0.1000	4.8		20.0			
Tetrachloroethene	0.2674 0.2593	0.3013 0.2578	0.2592 0.2464	0.2471 0.2580	0.2659	Ave		0.262 5			0.1500	6.2		20.0			
1,3-Dichloropropane	0.5595 0.5553	0.6252 0.5571	0.5434 0.5456	0.5261 0.5608	0.5599	Ave		0.559 2				4.9		20.0			
2-Hexanone	0.3895 0.4490	0.4143 0.4636	0.3945 0.4511	0.3900 0.4468	0.4288	Ave		0.425 3			0.0500	6.8		20.0			
Chlorodibromomethane	0.3164 0.3320	0.3482 0.3427	0.3013 0.3321	0.2903 0.3434	0.3217	Ave		0.325 3				6.1		20.0			
Ethylene Dibromide	0.3268 0.3261	0.3647 0.3290	0.2981 0.3173	0.2987 0.3287	0.3238	Ave		0.323 7				6.1		20.0			
Chlorobenzene	0.9965 0.9283	1.0816 0.9349	0.9308 0.8938	0.8822 0.9332	0.9490	Ave		0.947 8			0.3000	6.3		20.0			
1,1,1,2-Tetrachloroethane	0.3362 0.3321	0.3497 0.3329	0.3096 0.3192	0.2996 0.3309	0.3389	Ave		0.327 7				4.7		20.0			
Ethylbenzene	0.5547 0.5228	0.5890 0.5295	0.5035 0.5029	0.4997 0.5184	0.5354	Ave		0.528 4				5.5		20.0			
m-Xylene & p-Xylene	0.6253 0.6327	0.6925 0.6344	0.6139 0.6083	0.6030 0.6365	0.6450	Ave		0.632 4				4.2		20.0			
o-Xylene	0.6587 0.6303	0.6914 0.6289	0.6297 0.5990	0.5956 0.6322	0.6574	Ave		0.635 9				4.7		20.0			
Styrene	0.8988 0.9863	0.9763 0.9999	0.8840 0.9813	0.8723 1.0217	0.9591	Ave		0.953 3			0.3000	5.7		20.0			
Bromoform	0.1784 0.2059	0.1846 0.2170	0.1741 0.2142	0.1753 0.2194	0.1998	Ave		0.196 5			0.1000	9.5		20.0			
Isopropylbenzene	1.5858 1.5737	1.7734 1.5733	1.5235 1.4891	1.4752 1.5573	1.6391	Ave		1.576 7			0.1000	5.7		20.0			
Bromobenzene	0.7805 0.7767	0.8432 0.7944	0.7597 0.7497	0.7149 0.7901	0.7593	Ave		0.774 3				4.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 582961
SDG No.: _____
Instrument ID: A3UX23 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N
Calibration Start Date: 08/04/2023 15:49 Calibration End Date: 08/04/2023 19:09 Calibration ID: 71409

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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	0.9756 0.9442	0.9791 0.9608	0.8695 0.9221	0.8609 0.9343	0.9496	Ave		0.932 9			0.3000	4.6		20.0			
1,2,3-Trichloropropane	0.3370 0.3093	0.3505 0.3171	0.2840 0.3008	0.2891 0.3032	0.3032	Ave		0.310 5				6.9		20.0			
trans-1,4-Dichloro-2-butene	0.3175 0.3849	0.4082 0.4003	0.3517 0.4008	0.3324 0.4047	0.3511	Ave		0.372 4				9.3		20.0			
N-Propylbenzene	0.8490 0.8984	0.9973 0.9128	0.8787 0.8721	0.8202 0.9161	0.8989	Ave		0.893 7				5.6		20.0			
2-Chlorotoluene	0.7101 0.7691	0.7972 0.7881	0.7524 0.7390	0.7329 0.7855	0.7772	Ave		0.761 3				3.9		20.0			
1,3,5-Trimethylbenzene	2.5985 2.7618	2.8348 2.7550	2.5771 2.5802	2.4966 2.7554	2.7747	Ave		2.681 6				4.4		20.0			
4-Chlorotoluene	0.7290 0.7834	0.8618 0.8032	0.7510 0.7610	0.7193 0.7918	0.7870	Ave		0.776 4				5.5		20.0			
tert-Butylbenzene	2.1278 2.2998	2.4939 2.3279	2.1482 2.2068	2.1199 2.3368	2.3127	Ave		2.263 8				5.5		20.0			
1,2,4-Trimethylbenzene	2.5968 2.8586	3.0962 2.8566	2.6384 2.7151	2.6278 2.8605	2.8592	Ave		2.789 9				5.7		20.0			
sec-Butylbenzene	2.8922 3.2201	3.5262 3.2233	2.9850 3.0610	2.9300 3.2223	3.2445	Ave		3.145 0				6.3		20.0			
1,3-Dichlorobenzene	1.4115 1.4181	1.5977 1.4376	1.3768 1.3831	1.3574 1.4426	1.4157	Ave		1.426 7			0.6000	4.9		20.0			
4-Isopropyltoluene	2.5125 2.7303	2.9313 2.7321	2.5336 2.5860	2.4794 2.7697	2.7725	Ave		2.671 9				5.7		20.0			
1,4-Dichlorobenzene	1.4516 1.4535	1.6609 1.4666	1.4100 1.4069	1.3593 1.4611	1.4333	Ave		1.455 9			0.5000	5.8		20.0			
1,2-Dichlorobenzene	1.3749 1.3938	1.5447 1.3963	1.3633 1.3248	1.3210 1.3726	1.4203	Ave		1.390 2			0.4000	4.8		20.0			
n-Butylbenzene	2.2269 2.3576	2.5545 2.3435	2.1736 2.2450	2.1609 2.3571	2.3850	Ave		2.311 6				5.4		20.0			
1,2-Dibromo-3-Chloropropane	0.1910 0.1983	0.2174 0.2057	0.1824 0.2003	0.1681 0.2035	0.1960	Ave		0.195 9			0.0500	7.3		20.0			
1,2,4-Trichlorobenzene	0.8412 0.8226	0.9473 0.8052	0.7913 0.7838	0.7651 0.8062	0.8505	Ave		0.823 7			0.2000	6.5		20.0			
Hexachlorobutadiene	0.2461 0.2751	0.3248 0.2716	0.2612 0.2666	0.2604 0.2783	0.2828	Ave		0.274 1				8.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 582961

SDG No.: _____

Instrument ID: A3UX23 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/04/2023 15:49 Calibration End Date: 08/04/2023 19:09 Calibration ID: 71409

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	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	2.8180 2.9599	3.2197 2.9324	2.7751 2.8411	2.6888 2.8551	3.0738	Ave		2.907 1				5.6		20.0			
1,2,3-Trichlorobenzene	0.7561 0.7594	0.8819 0.7396	0.7340 0.7377	0.7211 0.7451	0.8111	Ave		0.765 1				6.6		20.0			
Dibromofluoromethane (Surr)	0.2176 0.2207	0.2178 0.2211	0.2170 0.2219	0.2160 0.2184	0.2255	Ave		0.219 6				1.4		20.0			
1,2-Dichloroethane-d4 (Surr)	0.3186 0.3195	0.3163 0.3222	0.3123 0.3204	0.3130 0.3187	0.3197	Ave		0.317 9				1.1		20.0			
Toluene-d8 (Surr)	1.2363 1.2038	1.2403 1.2299	1.2119 1.2181	1.1936 1.2146	1.2134	Ave		1.218 0				1.2		20.0			
4-Bromofluorobenzene (Surr)	0.4808 0.4827	0.4846 0.4937	0.4803 0.4981	0.4800 0.4910	0.4941	Ave		0.487 3				1.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 582961

SDG No.: _____

Instrument ID: A3UX23 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/04/2023 15:49 Calibration End Date: 08/04/2023 19:09 Calibration ID: 71409

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-582961/3	236428.D
Level 2	IC 240-582961/4	236429.D
Level 3	IC 240-582961/5	236430.D
Level 4	IC 240-582961/6	236431.D
Level 5	IC 240-582961/7	236432.D
Level 6	ICIS 240-582961/8	236433.D
Level 7	IC 240-582961/9	236434.D
Level 8	IC 240-582961/10	236435.D
Level 9	IC 240-582961/11	236436.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	8032 338962	14530 516481	32226 722190	98187 884418	160117	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Chloromethane	FB	Ave	12061 496540	20254 801722	46184 1055049	130769 1326126	217238	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Vinyl chloride	FB	Ave	8088 347854	14326 547823	30293 743250	92300 935879	156335	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Butadiene	FB	Ave	11725 449687	20225 694582	41983 946572	123394 1181133	207926	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Bromomethane	FB	Ave	4414 174102	10284 254750	17232 +++++	48537 +++++	82457	0.500 25.0	1.00 37.5	2.50 +++++	6.25 +++++	12.5
Chloroethane	FB	Ave	5434 204227	9351 324352	20666 415641	56010 522354	94348	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Dichlorofluoromethane	FB	Ave	7599 395832	20513 626975	35922 825981	102942 1042988	183407	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Trichlorofluoromethane	FB	Ave	7163 357914	13650 557301	30181 754101	96155 934196	164316	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Ethyl ether	FB	Ave	6312 294132	13824 453242	29347 579418	70884 755958	127784	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Acrolein	FB	Ave	+++++ 97005	+++++ 132468	10002 192999	25294 228636	40067	+++++ 125	+++++ 188	12.5 250	31.3 313	62.5
1,1-Dichloroethene	FB	Ave	+++++ 217973	12150 345558	25595 432093	54258 581209	101369	+++++ 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	4280 182673	9610 277425	20148 366561	44134 473260	84736	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Acetone	FB	Lin1	+++++ 82042	7491 131519	10400 169552	20905 209798	42146	+++++ 50.0	2.00 75.0	5.00 100	12.5 125	25.0
Iodomethane	FB	Ave	7500 369227	16668 571076	37421 735745	90107 963996	165806	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 Cleveland Job No.: 240-193522-1 Analy Batch No.: 582961

SDG No.: _____

Instrument ID: A3UX23 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/04/2023 15:49 Calibration End Date: 08/04/2023 19:09 Calibration ID: 71409

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
Carbon disulfide	FB	Ave	16689 694283	32994 1071052	71422 1397824	167239 1854849	312377	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
3-Chloro-1-propene	FB	Ave	17061 645081	32189 982986	64718 1300087	151718 1718495	278147	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Methyl acetate	FB	Ave	16980 858746	41279 1347419	84318 1742670	196399 2273864	375035	1.00 50.0	2.00 75.0	5.00 100	12.5 125	25.0
Methylene Chloride	FB	Lin1	12874 281315	17962 426349	34599 548885	72158 722326	127488	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
2-Methyl-2-propanol	FB	Ave	+++++ 406437	21918 521195	38151 688137	72623 1020779	184844	+++++ 250	10.0 375	25.0 500	62.5 625	125
Acrylonitrile	FB	Ave	36088 1864266	79825 2898351	180951 3806189	429650 4847006	829683	5.00 250	10.0 375	25.0 500	62.5 625	125
trans-1,2-Dichloroethene	FB	Ave	7192 269264	14097 418021	28834 535727	67016 711557	120242	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Methyl tert-butyl ether	FB	Ave	18785 855102	38849 1340533	84431 1743215	203456 2269080	370751	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Hexane	FB	Ave	9554 431938	22407 643001	47941 899534	100538 1149074	193080	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,1-Dichloroethane	FB	Ave	12141 561866	25882 880461	55387 1138339	136000 1496440	246674	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Vinyl acetate	FB	Ave	14179 773199	33285 1192644	73254 1655172	175503 2135250	321759	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
2,2-Dichloropropane	FB	Ave	1815 70720	3532 104181	6904 129241	17225 169888	33360	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
cis-1,2-Dichloroethene	FB	Ave	7722 304851	15740 469069	31435 601036	74746 804620	131579	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
2-Butanone (MEK)	FB	Ave	2479 90540	5128 143840	9665 189831	22627 244742	41058	1.00 50.0	2.00 75.0	5.00 100	12.5 125	25.0
Chlorobromomethane	FB	Ave	3413 143538	6941 217786	14432 288449	35012 373591	61127	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Tetrahydrofuran	FB	Ave	8160 337231	15808 528536	33002 681599	75093 895740	142802	1.00 50.0	2.00 75.0	5.00 100	12.5 125	25.0
Chloroform	FB	Ave	11733 500899	23309 773529	51133 997128	121116 1317085	221382	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,1,1-Trichloroethane	FB	Ave	9219 440201	19690 674122	43938 877485	105738 1154732	191581	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Cyclohexane	FB	Ave	11719 572273	26421 858869	60309 1165999	133015 1513744	256778	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Carbon tetrachloride	FB	Ave	8026 375996	17820 581298	39437 761344	89373 999536	165517	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,1-Dichloropropene	FB	Ave	8008	17650	39490	92857	166026	0.500	1.00	2.50	6.25	12.5

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 582961

SDG No.: _____

Instrument ID: A3UX23 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/04/2023 15:49 Calibration End Date: 08/04/2023 19:09 Calibration ID: 71409

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
			385433	589001	771025	1026647		25.0	37.5	50.0	62.5	
Benzene	FB	Ave	24213 1130248	53043 1755534	119536 2295571	276170 3000618	497303	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,2-Dichloroethane	FB	Ave	10316 482558	22885 744394	50144 968498	117576 1259606	210748	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Isobutyl alcohol	FB	Ave	8100 451528	21595 672579	42633 915103	99352 1103399	204247	12.5 625	25.0 938	62.5 1250	156 1563	313
n-Heptane	FB	Ave	1339 57231	2806 85473	6004 117974	13164 152092	24183	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Trichloroethene	FB	Ave	6191 285217	13739 441154	30460 570445	70255 751326	122888	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Methylcyclohexane	FB	Ave	9501 435068	20748 650172	45965 895766	102518 1143333	195371	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,2-Dichloropropane	FB	Ave	6095 310443	14268 479366	31474 637104	74668 834961	131566	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Dibromomethane	FB	Ave	3532 173763	7846 265815	17762 354054	41958 460463	72836	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,4-Dioxane	FB	Ave	1125 55611	2658 78869	5679 113025	12464 144973	24783	10.0 500	20.0 750	50.0 1000	125 1250	250
Dichlorobromomethane	FB	Ave	7932 364812	16576 571908	36351 758688	86248 994466	154463	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
2-Chloroethyl vinyl ether	FB	Ave	8257 450957	18771 715729	43820 969189	105323 1235071	187590	1.00 50.0	2.00 75.0	5.00 100	12.5 125	25.0
cis-1,3-Dichloropropene	FB	Ave	8201 449699	18633 699900	42871 942627	105646 1211460	187719	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	17243 1061578	39301 1671979	89060 2199063	224391 2812771	443746	1.00 50.0	2.00 75.0	5.00 100	12.5 125	25.0
Toluene	CBNZd 5	Ave	26100 1200707	55946 1833540	124461 2415527	295709 3154797	511904	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
trans-1,3-Dichloropropene	CBNZd 5	Ave	7483 420850	17000 664005	39587 884841	96349 1151495	170894	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Ethyl methacrylate	CBNZd 5	Ave	6404 381090	14893 621124	32348 858517	82779 1094639	147228	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,1,2-Trichloroethane	CBNZd 5	Ave	4957 248227	10983 388751	25247 516819	60111 664699	107469	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Tetrachloroethene	CBNZd 5	Ave	4166 204928	9504 312961	21571 413584	50590 543058	89463	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 Cleveland Job No.: 240-193522-1 Analy Batch No.: 582961

SDG No.: _____

Instrument ID: A3UX23 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/04/2023 15:49 Calibration End Date: 08/04/2023 19:09 Calibration ID: 71409

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
1,3-Dichloropropane	CBNZd 5	Ave	8716	19720	45221	107722	188412	0.500	1.00	2.50	6.25	12.5
			438868	676234	915761	1180422		25.0	37.5	50.0	62.5	
2-Hexanone	CBNZd 5	Ave	12135	26132	65652	159688	288604	1.00	2.00	5.00	12.5	25.0
			709793	1125538	1514096	1881092		50.0	75.0	100	125	
Chlorodibromomethane	CBNZd 5	Ave	4929	10982	25075	59428	108254	0.500	1.00	2.50	6.25	12.5
			262393	416029	557334	722828		25.0	37.5	50.0	62.5	
Ethylene Dibromide	CBNZd 5	Ave	5090	11504	24808	61154	108963	0.500	1.00	2.50	6.25	12.5
			257753	399344	532489	691943		25.0	37.5	50.0	62.5	
Chlorobenzene	CBNZd 5	Ave	15523	34114	77452	180633	319321	0.500	1.00	2.50	6.25	12.5
			733703	1134913	1500153	1964341		25.0	37.5	50.0	62.5	
1,1,1,2-Tetrachloroethane	CBNZd 5	Ave	5237	11031	25762	61337	114028	0.500	1.00	2.50	6.25	12.5
			262437	404089	535757	696544		25.0	37.5	50.0	62.5	
Ethylbenzene	CBNZd 5	Ave	8641	18577	41894	102307	180168	0.500	1.00	2.50	6.25	12.5
			413177	642768	844118	1091235		25.0	37.5	50.0	62.5	
m-Xylene & p-Xylene	CBNZd 5	Ave	9741	21843	51085	123466	217026	0.500	1.00	2.50	6.25	12.5
			500067	770154	1020994	1339847		25.0	37.5	50.0	62.5	
o-Xylene	CBNZd 5	Ave	10260	21806	52395	121942	221220	0.500	1.00	2.50	6.25	12.5
			498151	763426	1005356	1330798		25.0	37.5	50.0	62.5	
Styrene	CBNZd 5	Ave	14000	30791	73559	178593	322739	0.500	1.00	2.50	6.25	12.5
			779497	1213811	1646904	2150603		25.0	37.5	50.0	62.5	
Bromoform	CBNZd 5	Ave	2779	5821	14484	35900	67225	0.500	1.00	2.50	6.25	12.5
			162750	263474	359509	461881		25.0	37.5	50.0	62.5	
Isopropylbenzene	CBNZd 5	Ave	24702	55934	126775	302040	551555	0.500	1.00	2.50	6.25	12.5
			1243777	1909932	2499338	3278255		25.0	37.5	50.0	62.5	
Bromobenzene	DCBd4	Ave	5950	12824	30670	70482	125847	0.500	1.00	2.50	6.25	12.5
			289672	448025	590981	768440		25.0	37.5	50.0	62.5	
1,1,2,2-Tetrachloroethane	DCBd4	Ave	7437	14891	35105	84872	157395	0.500	1.00	2.50	6.25	12.5
			352131	541880	726874	908668		25.0	37.5	50.0	62.5	
1,2,3-Trichloropropane	DCBd4	Ave	2569	5331	11467	28499	50258	0.500	1.00	2.50	6.25	12.5
			115354	178826	237153	294882		25.0	37.5	50.0	62.5	
trans-1,4-Dichloro-2-butene	DCBd4	Ave	2420	6208	14200	32765	58189	0.500	1.00	2.50	6.25	12.5

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 582961

SDG No.: _____

Instrument ID: A3UX23 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/04/2023 15:49 Calibration End Date: 08/04/2023 19:09 Calibration ID: 71409

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
			143562	225761	315949	393624		25.0	37.5	50.0	62.5	
N-Propylbenzene	DCBd4	Ave	6472 335059	15168 514793	35474 687448	80858 890968	148985	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
2-Chlorotoluene	DCBd4	Ave	5413 286828	12124 444464	30377 582519	72252 763948	128825	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,3,5-Trimethylbenzene	DCBd4	Ave	19809 1029999	43113 1553729	104042 2033938	246121 2679733	459898	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
4-Chlorotoluene	DCBd4	Ave	5557 292174	13107 452954	30321 599892	70914 770051	130438	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
tert-Butylbenzene	DCBd4	Ave	16221 857719	37929 1312850	86727 1739577	208989 2272635	383325	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,2,4-Trimethylbenzene	DCBd4	Ave	19796 1066121	47089 1611016	106517 2140251	259062 2781894	473907	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
sec-Butylbenzene	DCBd4	Ave	22048 1200925	53628 1817825	120513 2412956	288854 3133760	537763	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,3-Dichlorobenzene	DCBd4	Ave	10760 528888	24298 810738	55586 1090271	133814 1402962	234641	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
4-Isopropyltoluene	DCBd4	Ave	19153 1018277	44580 1540836	102289 2038494	244428 2693640	459540	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,4-Dichlorobenzene	DCBd4	Ave	11066 542082	25260 827089	56926 1109001	134007 1420961	237573	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,2-Dichlorobenzene	DCBd4	Ave	10481 519800	23492 787490	55038 1044328	130230 1334918	235403	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
n-Butylbenzene	DCBd4	Ave	16976 879267	38850 1321634	87755 1769695	213031 2292363	395304	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	1456 73941	3307 116018	7363 157886	16572 197913	32492	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,2,4-Trichlorobenzene	DCBd4	Ave	6413 306772	14407 454115	31945 617880	75426 784020	140975	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Hexachlorobutadiene	DCBd4	Ave	1876 102611	4939 153175	10546 210164	25674 270691	46877	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Naphthalene	DCBd4	Ave	21482 1103890	48966 1653792	112039 2239571	265074 2776663	509480	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
1,2,3-Trichlorobenzene	DCBd4	Ave	5764 283230	13413 417122	29635 581521	71092 724605	134442	0.500 25.0	1.00 37.5	2.50 50.0	6.25 62.5	12.5
Dibromofluoromethane (Surr)	FB	Ave	237878 237940	241977 244253	248584 249107	241892 250968	207185	25.0 25.0	25.0 25.0	25.0 25.0	25.0 25.0	25.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	348216 344532	351437 356027	357782 359648	350475 366220	293756	25.0 25.0	25.0 25.0	25.0 25.0	25.0 25.0	25.0
Toluene-d8 (Surr)	CBNZd 5	Ave	962874	977958	1008493	977535	816625	25.0	25.0	25.0	25.0	25.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 582961

SDG No.: _____

Instrument ID: A3UX23 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/04/2023 15:49 Calibration End Date: 08/04/2023 19:09 Calibration ID: 71409

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
			951433	995340	1022232	1022725		25.0	25.0	25.0	25.0	
4-Bromofluorobenzene (Surr)	CBNZd 5	Ave	374459	382084	399695	393089	332546	25.0	25.0	25.0	25.0	25.0
			381499	399569	417983	413442		25.0	25.0	25.0	25.0	

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 582961

SDG No.: _____

Instrument ID: A3UX23 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/04/2023 15:49 Calibration End Date: 08/04/2023 19:09 Calibration ID: 71409

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 240-582961/3	236428.D
Level 2	IC 240-582961/4	236429.D
Level 3	IC 240-582961/5	236430.D
Level 4	IC 240-582961/6	236431.D
Level 5	IC 240-582961/7	236432.D
Level 6	ICIS 240-582961/8	236433.D
Level 7	IC 240-582961/9	236434.D
Level 8	IC 240-582961/10	236435.D
Level 9	IC 240-582961/11	236436.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
Dichlorodifluoromethane	12.8 -4.3	0.4 -1.2	-13.6 -5.4	7.7	7.0	-3.5	50 30	30	30 30	30	30	30
Chloromethane	17.5 3.0	-3.0 0.1	-14.1 -1.7	-0.5	0.7	-1.9	50 30	30 30	30 30	30	30	30
Vinyl chloride	13.4 1.3	-1.2 1.5	-19.0 -0.2	1.1	4.3	-1.1	50 30	30 30	30 30	30	30	30
Butadiene	23.1 -3.8	4.5 -3.2	-15.9 -5.6	1.2	3.9	-4.3	50 30	30 30	30 30	30	30	30
Bromomethane	12.9 -14.0	29.4 ++++	-15.9 ++++	-3.0	0.4	-9.7	50 30	30	30	30	30	30
Chloroethane	24.5 -2.0	5.4 -7.3	-9.6 -8.9	0.2	2.8	-5.1	50 30	30 30	30 30	30	30	30
Dichlorofluoromethane	-7.1 1.2	23.4 -1.6	-16.2 -2.9	-1.7	6.7	-1.8	50 30	30 30	30 30	30	30	30
Trichlorofluoromethane	0.7 3.3	-5.6 3.2	-19.0 -0.1	5.6	9.9	2.0	50 30	30 30	30 30	30	30	30
Ethyl ether	5.9 0.3	14.0 -5.4	-6.1 -3.5	-7.2	2.0	0.0	50 30	30 30	30 30	30	30	30
Acrolein	++++ -6.8	++++ 0.2	1.8 -7.2	5.4	1.7	4.9	30	30	50 30	30	30	30
1,1-Dichloroethene	++++ -2.8	27.4 -10.3	4.1 -5.7	-9.7	2.8	-5.8	30	50 30	30 30	30	30	30
1,1,2-Trichloro-1,2,2-trifluoroethane	10.5 -5.5	22.0 -7.9	-0.7 -7.0	-11.0	4.1	-4.4	50 30	30 30	30 30	30	30	30
Acetone	++++ 4.4	20.9 -0.1	-20.0 -3.0	-16.2	15.4	-1.4	30	50 30	30 30	30	30	30
Iodomethane	0.3 0.8	9.7 -4.2	-4.5 -1.9	-5.9	5.5	0.1	50 30	30 30	30 30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 582961

SDG No.: _____

Instrument ID: A3UX23 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/04/2023 15:49 Calibration End Date: 08/04/2023 19:09 Calibration ID: 71409

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
Carbon disulfide	15.2 -2.5	12.0 -6.1	-5.9 -2.6	-9.9	2.6	-2.8	50 30	30 30	30 30	30	30	30
3-Chloro-1-propene	25.7 -4.4	16.7 -6.7	-9.0 -3.6	-12.7	-2.5	-3.6	50 30	30 30	30 30	30	30	30
Methyl acetate	-2.0 2.5	17.1 -2.1	-7.2 -0.2	-11.5	2.9	0.4	50 30	30 30	30 30	30	30	30
Methylene Chloride	6.6 1.7	-2.6 -3.0	-4.6 0.1	-6.8	6.3	2.3	50 30	30 30	30 30	30	30	30
2-Methyl-2-propanol	++++ -11.5	38.8 -13.7	-6.2 0.1	-26.9	13.3	6.1	50 30	30 30	30 30	30	30	30
Acrylonitrile	-2.4 3.4	6.1 0.2	-6.6 -0.3	-9.3	6.7	2.2	50 30	30 30	30 30	30	30	30
trans-1,2-Dichloroethene	24.0 -4.9	19.6 -10.0	-5.1 -6.6	-9.7	-1.3	-5.9	50 30	30 30	30 30	30	30	30
Methyl tert-butyl ether	7.8 1.5	9.7 -2.6	-7.5 -0.9	-8.8	1.2	-0.5	50 30	30 30	30 30	30	30	30
Hexane	5.5 -6.3	21.7 -3.3	1.0 -3.4	-13.3	1.4	-3.3	50 30	30 30	30 30	30	30	30
1,1-Dichloroethane	5.8 1.2	10.9 -3.4	-7.9 -0.8	-7.4	2.3	-0.7	50 30	30 30	30 30	30	30	30
Vinyl acetate	-7.1 3.1	7.3 5.6	-8.4 6.5	-10.2	0.3	2.7	50 30	30 30	30 30	30	30	30
2,2-Dichloropropane	24.1 -6.0	18.8 -13.9	-9.9 -11.6	-8.0	8.5	-2.0	50 30	30 30	30 30	30	30	30
cis-1,2-Dichloroethene	20.0 -3.8	20.3 -9.0	-6.8 -4.8	-9.3	-2.7	-3.9	50 30	30 30	30 30	30	30	30
2-Butanone (MEK)	23.9 -5.2	26.0 -7.6	-7.8 -6.9	-11.7	-2.4	-8.3	50 30	30 30	30 30	30	30	30
Chlorobromomethane	15.2 -3.0	15.3 -5.2	-7.0 -4.0	-7.7	-1.8	-1.8	50 30	30 30	30 30	30	30	30
Tetrahydrofuran	18.2 0.9	12.6 -3.9	-8.8 -1.3	-15.1	-1.6	-1.0	50 30	30 30	30 30	30	30	30
Chloroform	13.5 -1.3	10.9 -6.1	-5.6 -3.0	-8.5	1.9	-1.8	50 30	30 30	30 30	30	30	30
1,1,1-Trichloroethane	4.0 0.3	9.2 -3.6	-5.4 -0.9	-6.9	2.8	0.6	50 30	30 30	30 30	30	30	30
Cyclohexane	0.8 -2.6	11.8 -2.3	-1.0 -0.9	-10.6	5.1	-0.2	50 30	30 30	30 30	30	30	30
Carbon tetrachloride	4.0 -0.7	13.5 -4.0	-2.5 -1.5	-9.6	2.0	-1.3	50 30	30 30	30 30	30	30	30
1,1-Dichloropropene	2.6 -0.5	11.2 -3.9	-3.5 0.1	-7.1	1.2	0.1	50 30	30 30	30 30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 582961

SDG No.: _____

Instrument ID: A3UX23 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/04/2023 15:49 Calibration End Date: 08/04/2023 19:09 Calibration ID: 71409

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
Benzene	4.0 -0.6	12.0 -4.0	-2.1 -1.9	-7.4	1.6	-1.6	50 30	30 30	30 30	30	30	30
1,2-Dichloroethane	4.4 -0.7	13.9 -4.6	-3.2 -3.0	-7.1	1.4	-1.0	50 30	30 30	30 30	30	30	30
Isobutyl alcohol	-8.5 0.2	20.0 0.7	-8.1 -5.1	-12.3	9.8	3.4	50 30	30 30	30 30	30	30	30
n-Heptane	13.3 -4.6	16.8 -2.8	-3.1 -2.1	-13.0	-2.7	-1.8	50 30	30 30	30 30	30	30	30
Trichloroethene	5.2 -1.1	14.8 -5.6	-1.2 -2.8	-6.8	-0.7	-1.7	50 30	30 30	30 30	30	30	30
Methylcyclohexane	6.1 -4.2	13.9 -2.6	-2.1 -2.8	-10.6	3.8	-1.5	50 30	30 30	30 30	30	30	30
1,2-Dichloropropane	-2.7 0.9	12.0 -1.0	-4.1 1.4	-6.9	-0.1	0.5	50 30	30 30	30 30	30	30	30
Dibromomethane	0.9 0.2	10.2 -1.5	-3.2 0.1	-6.4	-1.0	0.6	50 30	30 30	30 30	30	30	30
1,4-Dioxane	0.8 -6.7	17.2 -1.3	-2.9 -1.1	-12.7	5.7	1.1	50 30	30 30	30 30	30	30	30
Dichlorobromomethane	6.5 1.3	9.5 -0.8	-6.8 1.7	-9.5	-1.3	-0.6	50 30	30 30	30 30	30	30	30
2-Chloroethyl vinyl ether	-7.6 5.7	3.3 5.6	-6.4 5.2	-7.9	-0.1	2.3	50 30	30 30	30 30	30	30	30
cis-1,3-Dichloropropene	-7.1 4.5	3.8 3.9	-7.4 4.4	-6.6	1.1	3.2	50 30	30 30	30 30	30	30	30
4-Methyl-2-pentanone (MIBK)	-13.1 11.1	-2.6 7.9	-14.4 7.9	-11.7	6.4	8.5	50 30	30 30	30 30	30	30	30
Toluene	8.7 -2.1	15.0 -6.7	-3.0 -2.8	-6.3	-1.3	-1.5	50 30	30 30	30 30	30	30	30
trans-1,3-Dichloropropene	-6.6 6.4	4.8 2.5	-7.5 6.4	-8.5	-1.2	3.6	50 30	30 30	30 30	30	30	30
Ethyl methacrylate	-10.6 11.2	2.7 11.2	-15.5 13.1	-12.1	-4.9	4.8	50 30	30 30	30 30	30	30	30
1,1,2-Trichloroethane	0.8 1.5	10.3 -2.4	-3.9 0.0	-7.0	1.2	-0.5	50 30	30 30	30 30	30	30	30
Tetrachloroethene	1.9 -1.8	14.8 -6.1	-1.2 -1.7	-5.9	1.3	-1.2	50 30	30 30	30 30	30	30	30
1,3-Dichloropropane	0.1 -0.4	11.8 -2.4	-2.8 0.3	-5.9	0.1	-0.7	50 30	30 30	30 30	30	30	30
2-Hexanone	-8.4 9.0	-2.6 6.1	-7.2 5.1	-8.3	0.8	5.6	50 30	30 30	30 30	30	30	30
Chlorodibromomethane	-2.7 5.3	7.0 2.1	-7.4 5.5	-10.8	-1.1	2.0	50 30	30 30	30 30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 582961

SDG No.: _____

Instrument ID: A3UX23 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/04/2023 15:49 Calibration End Date: 08/04/2023 19:09 Calibration ID: 71409

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
Ethylene Dibromide	1.0 1.6	12.7 -2.0	-7.9 1.6	-7.7	0.0	0.8	50 30	30 30	30 30	30	30	30
Chlorobenzene	5.1 -1.4	14.1 -5.7	-1.8 -1.5	-6.9	0.1	-2.1	50 30	30 30	30 30	30	30	30
1,1,1,2-Tetrachloroethane	2.6 1.6	6.7 -2.6	-5.5 1.0	-8.6	3.4	1.3	50 30	30 30	30 30	30	30	30
Ethylbenzene	5.0 0.2	11.5 -4.8	-4.7 -1.9	-5.4	1.3	-1.1	50 30	30 30	30 30	30	30	30
m-Xylene & p-Xylene	-1.1 0.3	9.5 -3.8	-2.9 0.6	-4.6	2.0	0.0	50 30	30 30	30 30	30	30	30
o-Xylene	3.6 -1.1	8.7 -5.8	-1.0 -0.6	-6.3	3.4	-0.9	50 30	30 30	30 30	30	30	30
Styrene	-5.7 4.9	2.4 2.9	-7.3 7.2	-8.5	0.6	3.5	50 30	30 30	30 30	30	30	30
Bromoform	-9.2 10.4	-6.1 9.0	-11.4 11.6	-10.8	1.7	4.8	50 30	30 30	30 30	30	30	30
Isopropylbenzene	0.6 -0.2	12.5 -5.6	-3.4 -1.2	-6.4	4.0	-0.2	50 30	30 30	30 30	30	30	30
Bromobenzene	0.8 2.6	8.9 -3.2	-1.9 2.0	-7.7	-1.9	0.3	50 30	30 30	30 30	30	30	30
1,1,2,2-Tetrachloroethane	4.6 3.0	5.0 -1.2	-6.8 0.2	-7.7	1.8	1.2	50 30	30 30	30 30	30	30	30
1,2,3-Trichloropropane	8.5 2.1	12.9 -3.1	-8.5 -2.3	-6.9	-2.3	-0.4	50 30	30 30	30 30	30	30	30
trans-1,4-Dichloro-2-butene	-14.8 7.5	9.6 7.6	-5.6 8.7	-10.8	-5.7	3.4	50 30	30 30	30 30	30	30	30
N-Propylbenzene	-5.0 2.1	11.6 -2.4	-1.7 2.5	-8.2	0.6	0.5	50 30	30 30	30 30	30	30	30
2-Chlorotoluene	-6.7 3.5	4.7 -2.9	-1.2 3.2	-3.7	2.1	1.0	50 30	30 30	30 30	30	30	30
1,3,5-Trimethylbenzene	-3.1 2.7	5.7 -3.8	-3.9 2.8	-6.9	3.5	3.0	50 30	30 30	30 30	30	30	30
4-Chlorotoluene	-6.1 3.4	11.0 -2.0	-3.3 2.0	-7.3	1.4	0.9	50 30	30 30	30 30	30	30	30
tert-Butylbenzene	-6.0 2.8	10.2 -2.5	-5.1 3.2	-6.4	2.2	1.6	50 30	30 30	30 30	30	30	30
1,2,4-Trimethylbenzene	-6.9 2.4	11.0 -2.7	-5.4 2.5	-5.8	2.5	2.5	50 30	30 30	30 30	30	30	30
sec-Butylbenzene	-8.0 2.5	12.1 -2.7	-5.1 2.5	-6.8	3.2	2.4	50 30	30 30	30 30	30	30	30
1,3-Dichlorobenzene	-1.1 0.8	12.0 -3.1	-3.5 1.1	-4.9	-0.8	-0.6	50 30	30 30	30 30	30	30	30

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Cleveland Job No.: 240-193522-1 Analy Batch No.: 582961

SDG No.: _____

Instrument ID: A3UX23 GC Column: DB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/04/2023 15:49 Calibration End Date: 08/04/2023 19:09 Calibration ID: 71409

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
4-Isopropyltoluene	-6.0 2.3	9.7 -3.2	-5.2 3.7	-7.2	3.8	2.2	50 30	30 30	30 30	30	30	30
1,4-Dichlorobenzene	-0.3 0.7	14.1 -3.4	-3.2 0.4	-6.6	-1.6	-0.2	50 30	30 30	30 30	30	30	30
1,2-Dichlorobenzene	-1.1 0.4	11.1 -4.7	-1.9 -1.3	-5.0	2.2	0.3	50 30	30 30	30 30	30	30	30
n-Butylbenzene	-3.7 1.4	10.5 -2.9	-6.0 2.0	-6.5	3.2	2.0	50 30	30 30	30 30	30	30	30
1,2-Dibromo-3-Chloropropane	-2.5 5.0	11.0 2.3	-6.9 3.9	-14.2	0.1	1.2	50 30	30 30	30 30	30	30	30
1,2,4-Trichlorobenzene	2.1 -2.2	15.0 -4.8	-3.9 -2.1	-7.1	3.3	-0.1	50 30	30 30	30 30	30	30	30
Hexachlorobutadiene	-10.2 -0.9	18.5 -2.7	-4.7 1.5	-5.0	3.2	0.4	50 30	30 30	30 30	30	30	30
Naphthalene	-3.1 0.9	10.8 -2.3	-4.5 -1.8	-7.5	5.7	1.8	50 30	30 30	30 30	30	30	30
1,2,3-Trichlorobenzene	-1.2 -3.3	15.3 -3.6	-4.1 -2.6	-5.8	6.0	-0.7	50 30	30 30	30 30	30	30	30
Dibromofluoromethane (Surr)	-0.9 0.7	-0.8 1.1	-1.2 -0.5	-1.6	2.7	0.5	50 30	30 30	30 30	30	30	30
1,2-Dichloroethane-d4 (Surr)	0.2 1.4	-0.5 0.8	-1.7 0.3	-1.5	0.6	0.5	50 30	30 30	30 30	30	30	30
Toluene-d8 (Surr)	1.5 1.0	1.8 0.0	-0.5 -0.3	-2.0	-0.4	-1.2	50 30	30 30	30 30	30	30	30
4-Bromofluorobenzene (Surr)	-1.3 1.3	-0.6 2.2	-1.4 0.8	-1.5	1.4	-0.9	50 30	30 30	30 30	30	30	30

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236428.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 1
 Inject. Date: 04-Aug-2023 15:49:30 ALS Bottle#: 2 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0132136-003
 Operator ID: Instrument ID: A3UX23
 Sublist: chrom-8260_23*sub1
 Method: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 05-Aug-2023 12:38:29 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1647

First Level Reviewer: SE1B

Date: 05-Aug-2023 10:56:04

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	1093033	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.738	0.000	90	778848	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.058	12.057	0.001	98	381161	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.810	0.000	92	237878	25.0	24.8	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.188	6.188	0.000	97	348216	25.0	25.1	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	96	962874	25.0	25.4	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	87	374459	25.0	24.7	
9 Dichlorodifluoromethane	85	1.266	1.266	0.000	98	8032	0.5000	0.5642	
10 Chloromethane	50	1.420	1.431	-0.011	98	12061	0.5000	0.5874	
11 Vinyl chloride	62	1.526	1.526	0.000	98	8088	0.5000	0.5669	
12 Butadiene	54	1.550	1.550	0.000	96	11725	0.5000	0.6157	
13 Bromomethane	94	1.834	1.834	0.000	86	4414	0.5000	0.5646	
14 Chloroethane	64	1.917	1.917	0.000	95	5434	0.5000	0.6225	
15 Dichlorofluoromethane	67	2.130	2.130	0.000	97	7599	0.5000	0.4647	
16 Trichlorofluoromethane	101	2.153	2.177	-0.024	97	7163	0.5000	0.5035	
17 Ethyl ether	59	2.473	2.473	0.000	92	6312	0.5000	0.5293	
18 Acrolein	56		2.603				ND	ND	
19 1,1-Dichloroethene	96	2.710	2.698	0.012	94	7144	0.5000	0.7615	
20 1,1,2-Trichloro-1,2,2-trifluoro	151	2.745	2.745	0.000	89	4280	0.5000	0.5524	
21 Acetone	58	2.792	2.792	0.000	98	7819	1.00	2.70	
23 Iodomethane	142	2.875	2.875	0.000	99	7500	0.5000	0.5016	
24 Carbon disulfide	76	2.923	2.934	-0.011	100	16689	0.5000	0.5759	
26 3-Chloro-1-propene	41	3.147	3.147	0.000	88	17061	0.5000	0.6287	
27 Methyl acetate	43	3.230	3.218	0.012	99	16980	1.00	0.9795	
28 Methylene Chloride	84	3.313	3.313	0.000	96	12874	0.5000	0.5330	
29 2-Methyl-2-propanol	59	3.609	3.609	0.000	93	10374	5.00	6.68	
30 Acrylonitrile	53	3.680	3.680	0.000	98	36088	5.00	4.88	
32 trans-1,2-Dichloroethene	96	3.704	3.703	0.001	95	7192	0.5000	0.6202	
31 Methyl tert-butyl ether	73	3.763	3.763	0.000	97	18785	0.5000	0.5391	
33 Hexane	57	4.153	4.165	-0.012	93	9554	0.5000	0.5275	
34 1,1-Dichloroethane	63	4.354	4.354	0.000	96	12141	0.5000	0.5290	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 Vinyl acetate	43	4.508	4.508	0.000	97	14179	0.5000	0.4647	
41 2,2-Dichloropropane	97	5.159	5.171	-0.012	41	1815	0.5000	0.6206	
39 cis-1,2-Dichloroethene	96	5.183	5.183	0.001	39	7722	0.5000	0.6001	
40 2-Butanone (MEK)	72	5.265	5.265	0.000	99	2479	1.00	1.24	
45 Chlorobromomethane	128	5.478	5.478	0.000	91	3413	0.5000	0.5761	
46 Tetrahydrofuran	42	5.597	5.585	0.012	88	8160	1.00	1.18	
47 Chloroform	83	5.609	5.608	0.001	97	11733	0.5000	0.5675	
48 1,1,1-Trichloroethane	97	5.810	5.810	0.000	37	9219	0.5000	0.5198	
49 Cyclohexane	56	5.857	5.857	0.000	94	11719	0.5000	0.5040	
51 Carbon tetrachloride	117	5.999	5.999	0.000	94	8026	0.5000	0.5198	
50 1,1-Dichloropropene	75	6.011	6.011	0.000	88	8008	0.5000	0.5128	
54 Benzene	78	6.248	6.247	0.001	94	24213	0.5000	0.5198	
53 1,2-Dichloroethane	62	6.283	6.283	0.000	96	10316	0.5000	0.5218	
52 Isobutyl alcohol	41	6.307	6.307	0.000	88	8100	12.5	11.4	
56 n-Heptane	100	6.614	6.614	0.000	89	1339	0.5000	0.5664	
58 Trichloroethene	130	6.993	6.993	0.000	95	6191	0.5000	0.5260	
60 Methylcyclohexane	83	7.194	7.194	0.000	91	9501	0.5000	0.5305	
61 1,2-Dichloropropane	63	7.230	7.230	0.000	93	6095	0.5000	0.4864	
63 Dibromomethane	93	7.360	7.348	0.012	88	3532	0.5000	0.5045	
64 1,4-Dioxane	88	7.431	7.431	0.000	82	1125	10.0	10.1	
65 Dichlorobromomethane	83	7.537	7.537	0.000	95	7932	0.5000	0.5327	
67 2-Chloroethyl vinyl ether	63	7.892	7.892	0.000	91	8257	1.00	0.9240	
68 cis-1,3-Dichloropropene	75	8.023	8.022	0.001	88	8201	0.5000	0.4644	
69 4-Methyl-2-pentanone (MIBK)	43	8.212	8.212	0.000	99	17243	1.00	0.8689	
70 Toluene	91	8.354	8.354	0.000	97	26100	0.5000	0.5433	
71 trans-1,3-Dichloropropene	75	8.590	8.590	0.000	95	7483	0.5000	0.4672	
72 Ethyl methacrylate	69	8.721	8.721	0.000	93	6404	0.5000	0.4470	
73 1,1,2-Trichloroethane	97	8.768	8.768	0.000	95	4957	0.5000	0.5041	
75 Tetrachloroethene	164	8.910	8.910	0.000	88	4166	0.5000	0.5094	
74 1,3-Dichloropropane	76	8.934	8.934	0.000	96	8716	0.5000	0.5003	
76 2-Hexanone	43	9.052	9.052	0.000	98	12135	1.00	0.9159	
78 Chlorodibromomethane	129	9.158	9.158	0.000	89	4929	0.5000	0.4863	
80 Ethylene Dibromide	107	9.253	9.265	-0.012	96	5090	0.5000	0.5048	
82 Chlorobenzene	112	9.762	9.762	0.000	94	15523	0.5000	0.5257	
83 1,1,1,2-Tetrachloroethane	131	9.845	9.857	-0.011	91	5237	0.5000	0.5130	
84 Ethylbenzene	106	9.880	9.880	0.000	98	8641	0.5000	0.5249	
85 m-Xylene & p-Xylene	106	9.999	9.999	0.001	97	9741	0.5000	0.4944	
86 o-Xylene	106	10.389	10.389	0.000	97	10260	0.5000	0.5179	
87 Styrene	104	10.401	10.401	0.000	92	14000	0.5000	0.4714	
88 Bromoform	173	10.578	10.578	0.000	95	2779	0.5000	0.4539	
89 Isopropylbenzene	105	10.768	10.768	0.000	96	24702	0.5000	0.5029	
93 Bromobenzene	156	11.052	11.052	0.000	94	5950	0.5000	0.5040	
92 1,1,2,2-Tetrachloroethane	83	11.052	11.063	-0.011	96	7437	0.5000	0.5229	
95 1,2,3-Trichloropropane	110	11.099	11.099	0.000	88	2569	0.5000	0.5427	
94 trans-1,4-Dichloro-2-butene	53	11.123	11.123	0.000	73	2420	0.5000	0.4262	
96 N-Propylbenzene	120	11.170	11.170	0.000	99	6472	0.5000	0.4750	
97 2-Chlorotoluene	126	11.253	11.253	0.000	95	5413	0.5000	0.4664	
99 1,3,5-Trimethylbenzene	105	11.348	11.347	0.001	94	19809	0.5000	0.4845	
100 4-Chlorotoluene	126	11.359	11.359	0.000	99	5557	0.5000	0.4695	
102 tert-Butylbenzene	119	11.667	11.667	0.000	91	16221	0.5000	0.4700	
104 1,2,4-Trimethylbenzene	105	11.714	11.714	0.000	97	19796	0.5000	0.4654	
105 sec-Butylbenzene	105	11.892	11.892	0.000	94	22048	0.5000	0.4598	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	11.987	11.986	0.001	95	10760	0.5000	0.4947	
107 4-Isopropyltoluene	119	12.034	12.034	0.000	95	19153	0.5000	0.4702	
108 1,4-Dichlorobenzene	146	12.081	12.081	0.000	92	11066	0.5000	0.4985	
111 n-Butylbenzene	91	12.448	12.448	0.000	97	16976	0.5000	0.4817	
112 1,2-Dichlorobenzene	146	12.448	12.448	0.000	77	10481	0.5000	0.4945	
113 1,2-Dibromo-3-Chloropropane	157	13.217	13.217	0.000	74	1456	0.5000	0.4876	
115 1,2,4-Trichlorobenzene	180	14.045	14.045	0.000	93	6413	0.5000	0.5107	
116 Hexachlorobutadiene	225	14.235	14.235	0.000	89	1876	0.5000	0.4489	
117 Naphthalene	128	14.282	14.282	0.000	98	21482	0.5000	0.4847	
118 1,2,3-Trichlorobenzene	180	14.531	14.531	0.001	92	5764	0.5000	0.4941	
S 134 Trihalomethanes, Total	1				0		2.00	2.04	
S 158 Total BTEX	1				0		2.50	2.60	
S 131 1,2-Dichloroethene, Total	96				0			1.22	
S 132 1,3-Dichloropropene, Total	75				0			0.9315	
S 133 Xylenes, Total	106				0		1.00	1.01	

QC Flag Legend

Processing Flags

ND - Not Detected or Marked ND

Reagents:

VMRPRIMW_00542	Amount Added: 0.40	Units: uL	
VMAROLISTDW_00495	Amount Added: 0.40	Units: uL	
VMRGAS_00487	Amount Added: 0.40	Units: uL	
vm125UX21_SS_00007	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00024	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_IS_00050	Amount Added: 1.00	Units: uL	Run Reagent
vmDist_H2o_00237	Amount Added: 0.00	Units:	Run Reagent

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Data File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236428.D

Injection Date: 04-Aug-2023 15:49:30

Instrument ID: A3UX23

Operator ID:

Lims ID: ic

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

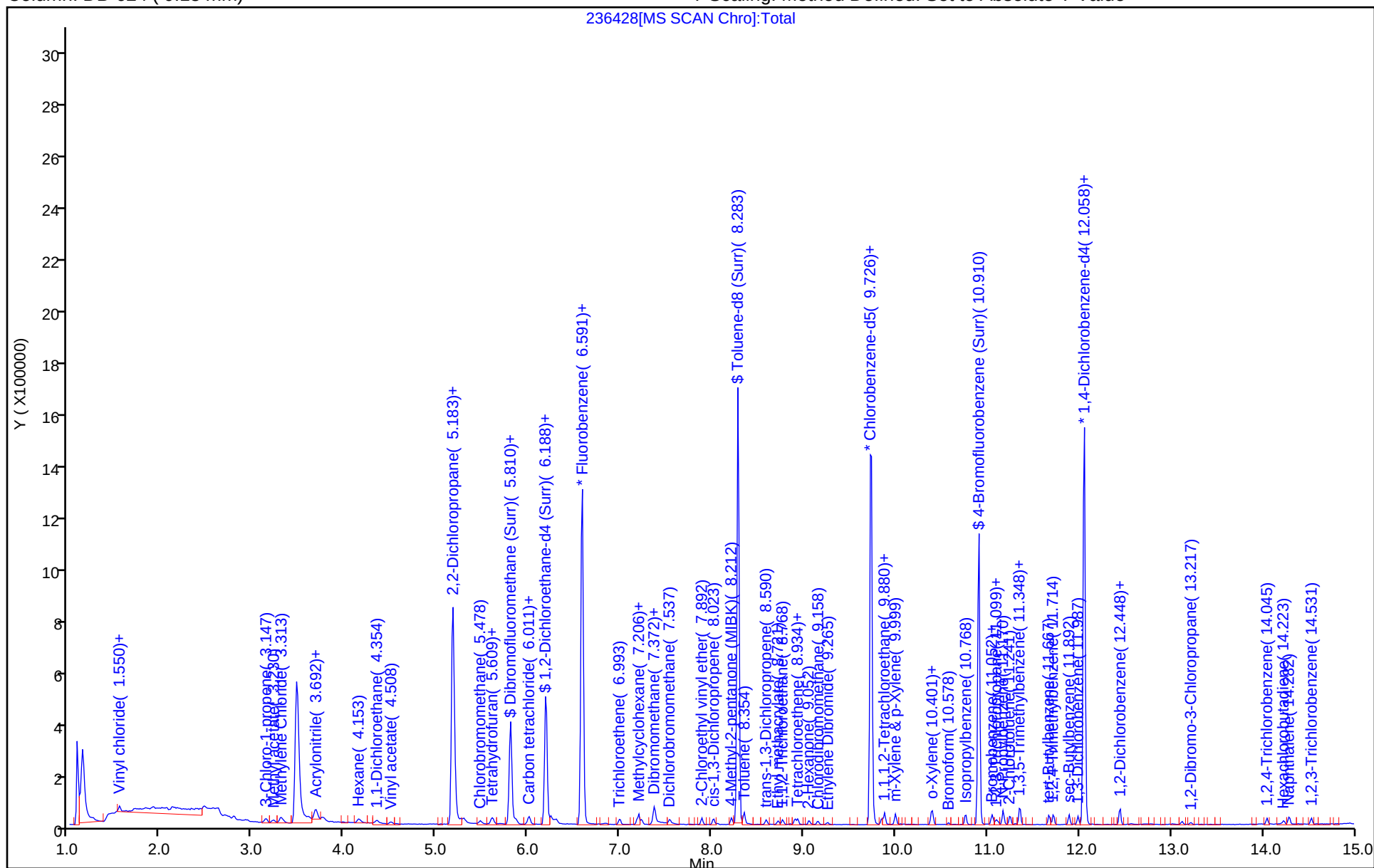
ALS Bottle#: 2

Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236429.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 2
 Inject. Date: 04-Aug-2023 16:14:30 ALS Bottle#: 3 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0132136-004
 Operator ID: Instrument ID: A3UX23
 Sublist: chrom-8260_23*sub1
 Method: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 05-Aug-2023 12:38:32 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1647

First Level Reviewer: SE1B

Date: 05-Aug-2023 10:57:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	1111185	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.738	0.000	89	788501	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.058	12.057	0.001	98	380211	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.810	0.000	93	241977	25.0	24.8	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.189	6.188	0.000	97	351437	25.0	24.9	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	96	977958	25.0	25.5	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	86	382084	25.0	24.9	
9 Dichlorodifluoromethane	85	1.266	1.266	0.000	98	14530	1.00	1.00	
10 Chloromethane	50	1.420	1.431	-0.011	100	20254	1.00	0.9704	
11 Vinyl chloride	62	1.526	1.526	0.000	99	14326	1.00	0.9878	
12 Butadiene	54	1.550	1.550	0.000	98	20225	1.00	1.04	
13 Bromomethane	94	1.834	1.834	0.000	90	10284	1.00	1.29	
14 Chloroethane	64	1.905	1.917	-0.012	95	9351	1.00	1.05	
15 Dichlorofluoromethane	67	2.118	2.130	-0.012	99	20513	1.00	1.23	
16 Trichlorofluoromethane	101	2.153	2.177	-0.024	94	13650	1.00	0.9438	
17 Ethyl ether	59	2.473	2.473	0.000	96	13824	1.00	1.14	
18 Acrolein	56	2.603	2.603	0.000	59	8839	5.00	11.6	
19 1,1-Dichloroethene	96	2.698	2.698	0.000	95	12150	1.00	1.27	
20 1,1,2-Trichloro-1,2,2-trifluoro	151	2.745	2.745	0.000	92	9610	1.00	1.22	
21 Acetone	58	2.792	2.792	0.000	98	7491	2.00	2.42	
23 Iodomethane	142	2.863	2.875	-0.012	99	16668	1.00	1.10	
24 Carbon disulfide	76	2.934	2.934	0.000	100	32994	1.00	1.12	
26 3-Chloro-1-propene	41	3.147	3.147	0.000	87	32189	1.00	1.17	
27 Methyl acetate	43	3.218	3.218	0.000	100	41279	2.00	2.34	
28 Methylene Chloride	84	3.313	3.313	0.000	95	17962	1.00	0.9739	
29 2-Methyl-2-propanol	59	3.609	3.609	0.000	94	21918	10.0	13.9	
30 Acrylonitrile	53	3.680	3.680	0.000	98	79825	10.0	10.6	
32 trans-1,2-Dichloroethene	96	3.704	3.703	0.001	95	14097	1.00	1.20	
31 Methyl tert-butyl ether	73	3.763	3.763	0.000	95	38849	1.00	1.10	
33 Hexane	57	4.153	4.165	-0.012	95	22407	1.00	1.22	
34 1,1-Dichloroethane	63	4.354	4.354	0.000	97	25882	1.00	1.11	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 Vinyl acetate	43	4.508	4.508	0.000	97	33285	1.00	1.07	
41 2,2-Dichloropropane	97	5.171	5.171	0.000	68	3532	1.00	1.19	
39 cis-1,2-Dichloroethene	96	5.183	5.183	0.001	58	15740	1.00	1.20	
40 2-Butanone (MEK)	72	5.266	5.265	0.001	98	5128	2.00	2.52	
45 Chlorobromomethane	128	5.479	5.478	0.001	92	6941	1.00	1.15	
46 Tetrahydrofuran	42	5.597	5.585	0.012	94	15808	2.00	2.25	
47 Chloroform	83	5.609	5.608	0.001	98	23309	1.00	1.11	
48 1,1,1-Trichloroethane	97	5.810	5.810	0.000	39	19690	1.00	1.09	
49 Cyclohexane	56	5.857	5.857	0.000	97	26421	1.00	1.12	
51 Carbon tetrachloride	117	5.999	5.999	0.000	94	17820	1.00	1.14	
50 1,1-Dichloropropene	75	6.011	6.011	0.000	90	17650	1.00	1.11	
54 Benzene	78	6.248	6.247	0.001	98	53043	1.00	1.12	
53 1,2-Dichloroethane	62	6.283	6.283	0.000	96	22885	1.00	1.14	
52 Isobutyl alcohol	41	6.307	6.307	0.000	91	21595	25.0	30.0	
56 n-Heptane	100	6.614	6.614	0.000	96	2806	1.00	1.17	
58 Trichloroethene	130	6.993	6.993	0.000	96	13739	1.00	1.15	
60 Methylcyclohexane	83	7.194	7.194	0.000	96	20748	1.00	1.14	
61 1,2-Dichloropropane	63	7.230	7.230	0.000	93	14268	1.00	1.12	
63 Dibromomethane	93	7.348	7.348	0.000	96	7846	1.00	1.10	
64 1,4-Dioxane	88	7.431	7.431	0.000	90	2658	20.0	23.4	
65 Dichlorobromomethane	83	7.537	7.537	0.000	96	16576	1.00	1.10	
67 2-Chloroethyl vinyl ether	63	7.892	7.892	0.000	90	18771	2.00	2.07	
68 cis-1,3-Dichloropropene	75	8.023	8.022	0.001	85	18633	1.00	1.04	
69 4-Methyl-2-pentanone (MIBK)	43	8.212	8.212	0.000	99	39301	2.00	1.95	
70 Toluene	91	8.354	8.354	0.000	98	55946	1.00	1.15	
71 trans-1,3-Dichloropropene	75	8.591	8.590	0.001	94	17000	1.00	1.05	
72 Ethyl methacrylate	69	8.721	8.721	0.000	94	14893	1.00	1.03	
73 1,1,2-Trichloroethane	97	8.768	8.768	0.000	96	10983	1.00	1.10	
75 Tetrachloroethene	164	8.910	8.910	0.000	96	9504	1.00	1.15	
74 1,3-Dichloropropane	76	8.934	8.934	0.000	96	19720	1.00	1.12	
76 2-Hexanone	43	9.052	9.052	0.000	98	26132	2.00	1.95	
78 Chlorodibromomethane	129	9.159	9.158	0.001	89	10982	1.00	1.07	
80 Ethylene Dibromide	107	9.265	9.265	0.000	94	11504	1.00	1.13	
82 Chlorobenzene	112	9.762	9.762	0.000	96	34114	1.00	1.14	
83 1,1,1,2-Tetrachloroethane	131	9.845	9.857	-0.011	91	11031	1.00	1.07	
84 Ethylbenzene	106	9.880	9.880	0.000	99	18577	1.00	1.11	
85 m-Xylene & p-Xylene	106	9.999	9.999	0.001	97	21843	1.00	1.10	
86 o-Xylene	106	10.389	10.389	0.000	96	21806	1.00	1.09	
87 Styrene	104	10.401	10.401	0.000	88	30791	1.00	1.02	
88 Bromoform	173	10.579	10.578	0.001	90	5821	1.00	0.9391	
89 Isopropylbenzene	105	10.768	10.768	0.000	96	55934	1.00	1.12	
93 Bromobenzene	156	11.052	11.052	0.000	97	12824	1.00	1.09	
92 1,1,2,2-Tetrachloroethane	83	11.064	11.063	0.001	96	14891	1.00	1.05	
95 1,2,3-Trichloropropane	110	11.099	11.099	0.000	92	5331	1.00	1.13	
94 trans-1,4-Dichloro-2-butene	53	11.111	11.123	-0.012	73	6208	1.00	1.10	
96 N-Propylbenzene	120	11.170	11.170	0.000	99	15168	1.00	1.12	
97 2-Chlorotoluene	126	11.253	11.253	0.000	95	12124	1.00	1.05	
99 1,3,5-Trimethylbenzene	105	11.348	11.347	0.001	94	43113	1.00	1.06	
100 4-Chlorotoluene	126	11.359	11.359	0.000	98	13107	1.00	1.11	
102 tert-Butylbenzene	119	11.667	11.667	0.000	93	37929	1.00	1.10	
104 1,2,4-Trimethylbenzene	105	11.714	11.714	0.000	97	47089	1.00	1.11	
105 sec-Butylbenzene	105	11.892	11.892	0.000	95	53628	1.00	1.12	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	11.987	11.986	0.001	97	24298	1.00	1.12	
107 4-Isopropyltoluene	119	12.034	12.034	0.000	97	44580	1.00	1.10	
108 1,4-Dichlorobenzene	146	12.081	12.081	0.000	95	25260	1.00	1.14	
111 n-Butylbenzene	91	12.448	12.448	0.000	97	38850	1.00	1.11	
112 1,2-Dichlorobenzene	146	12.448	12.448	0.000	79	23492	1.00	1.11	
113 1,2-Dibromo-3-Chloropropane	157	13.217	13.217	0.000	73	3307	1.00	1.11	
115 1,2,4-Trichlorobenzene	180	14.046	14.045	0.001	94	14407	1.00	1.15	
116 Hexachlorobutadiene	225	14.223	14.235	-0.012	94	4939	1.00	1.18	
117 Naphthalene	128	14.282	14.282	0.000	98	48966	1.00	1.11	
118 1,2,3-Trichlorobenzene	180	14.531	14.531	0.001	95	13413	1.00	1.15	
S 134 Trihalomethanes, Total	1				0		4.00	4.21	
S 158 Total BTEX	1				0		5.00	5.57	
S 131 1,2-Dichloroethene, Total	96				0			2.40	
S 132 1,3-Dichloropropene, Total	75				0			2.09	
S 133 Xylenes, Total	106				0		2.00	2.18	

QC Flag Legend

Processing Flags

Reagents:

VMRGAS_00487	Amount Added: 0.80	Units: uL	
VMRPRIMW_00542	Amount Added: 0.80	Units: uL	
VMAROLISTDW_00495	Amount Added: 0.80	Units: uL	
vm125UX21_SS_00007	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00024	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_IS_00050	Amount Added: 1.00	Units: uL	Run Reagent
vmDist_H2o_00237	Amount Added: 0.00	Units:	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236429.D

Injection Date: 04-Aug-2023 16:14:30

Instrument ID: A3UX23

Operator ID:

Lims ID: ic

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

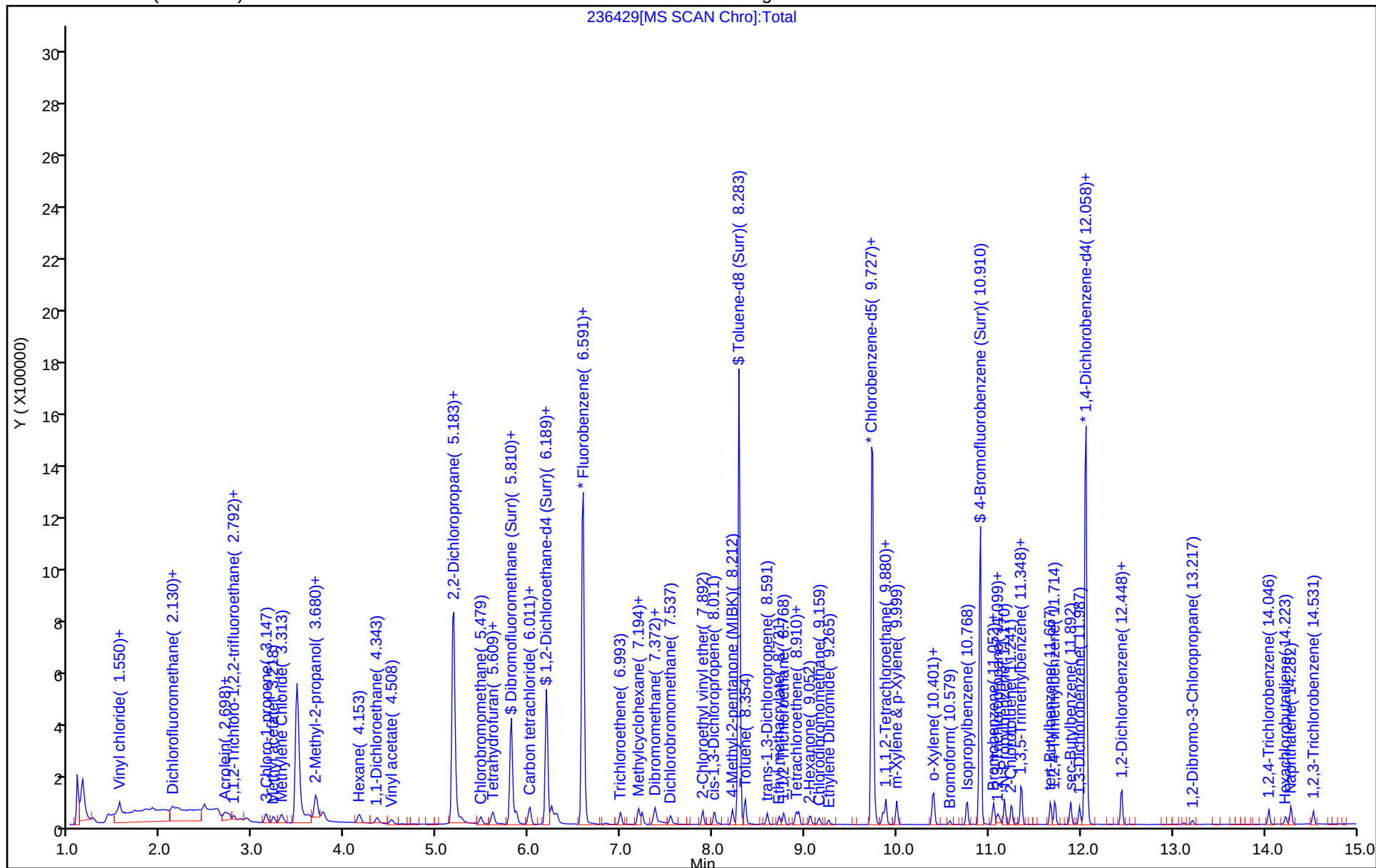
ALS Bottle#: 3

Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236430.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 3
 Inject. Date: 04-Aug-2023 16:39:30 ALS Bottle#: 4 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0132136-005
 Operator ID: Instrument ID: A3UX23
 Sublist: chrom-8260_23*sub1
 Method: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 05-Aug-2023 12:38:35 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1647

First Level Reviewer: SE1B

Date: 05-Aug-2023 10:58:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	1145567	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.738	0.000	90	832126	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.058	12.057	0.001	98	403723	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.810	0.000	93	248584	25.0	24.7	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.188	6.188	0.000	97	357782	25.0	24.6	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	95	1008493	25.0	24.9	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	85	399695	25.0	24.6	
9 Dichlorodifluoromethane	85	1.266	1.266	0.000	98	32226	2.50	2.16	
10 Chloromethane	50	1.432	1.431	0.001	100	46184	2.50	2.15	
11 Vinyl chloride	62	1.526	1.526	0.000	98	30293	2.50	2.03	
12 Butadiene	54	1.562	1.550	0.012	98	41983	2.50	2.10	
13 Bromomethane	94	1.846	1.834	0.012	91	17232	2.50	2.10	
14 Chloroethane	64	1.917	1.917	0.000	97	20666	2.50	2.26	
15 Dichlorofluoromethane	67	2.130	2.130	0.000	98	35922	2.50	2.10	
16 Trichlorofluoromethane	101	2.177	2.177	0.000	96	30181	2.50	2.02	
17 Ethyl ether	59	2.473	2.473	0.000	96	29347	2.50	2.35	
18 Acrolein	56	2.603	2.603	0.000	98	10002	12.5	12.7	
19 1,1-Dichloroethene	96	2.710	2.698	0.012	94	25595	2.50	2.60	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.757	2.745	0.012	91	20148	2.50	2.48	
21 Acetone	58	2.804	2.792	0.012	97	10400	5.00	4.00	
23 Iodomethane	142	2.887	2.875	0.012	100	37421	2.50	2.39	
24 Carbon disulfide	76	2.946	2.934	0.012	99	71422	2.50	2.35	
26 3-Chloro-1-propene	41	3.147	3.147	0.000	86	64718	2.50	2.28	
27 Methyl acetate	43	3.218	3.218	0.000	100	84318	5.00	4.64	
28 Methylene Chloride	84	3.313	3.313	0.000	96	34599	2.50	2.38	
29 2-Methyl-2-propanol	59	3.609	3.609	0.000	93	38151	25.0	23.4	
30 Acrylonitrile	53	3.680	3.680	0.000	97	180951	25.0	23.3	
32 trans-1,2-Dichloroethene	96	3.704	3.703	0.001	94	28834	2.50	2.37	
31 Methyl tert-butyl ether	73	3.763	3.763	0.000	96	84431	2.50	2.31	
33 Hexane	57	4.165	4.165	0.000	96	47941	2.50	2.53	
34 1,1-Dichloroethane	63	4.354	4.354	0.000	97	55387	2.50	2.30	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 Vinyl acetate	43	4.508	4.508	0.000	97	73254	2.50	2.29	
41 2,2-Dichloropropane	97	5.171	5.171	0.000	72	6904	2.50	2.25	
39 cis-1,2-Dichloroethene	96	5.183	5.183	0.001	54	31435	2.50	2.33	
40 2-Butanone (MEK)	72	5.266	5.265	0.001	98	9665	5.00	4.61	
45 Chlorobromomethane	128	5.479	5.478	0.000	90	14432	2.50	2.32	
46 Tetrahydrofuran	42	5.597	5.585	0.012	93	33002	5.00	4.56	
47 Chloroform	83	5.609	5.608	0.001	99	51133	2.50	2.36	
48 1,1,1-Trichloroethane	97	5.810	5.810	0.000	44	43938	2.50	2.36	
49 Cyclohexane	56	5.857	5.857	0.000	97	60309	2.50	2.47	
51 Carbon tetrachloride	117	5.999	5.999	0.000	96	39437	2.50	2.44	
50 1,1-Dichloropropene	75	6.011	6.011	0.000	87	39490	2.50	2.41	
54 Benzene	78	6.248	6.247	0.001	96	119536	2.50	2.45	
53 1,2-Dichloroethane	62	6.283	6.283	0.000	97	50144	2.50	2.42	
52 Isobutyl alcohol	41	6.307	6.307	0.000	92	42633	62.5	57.4	
56 n-Heptane	100	6.626	6.614	0.012	95	6004	2.50	2.42	
58 Trichloroethene	130	6.993	6.993	0.000	96	30460	2.50	2.47	
60 Methylcyclohexane	83	7.194	7.194	0.000	97	45965	2.50	2.45	
61 1,2-Dichloropropane	63	7.230	7.230	0.000	93	31474	2.50	2.40	
63 Dibromomethane	93	7.360	7.348	0.012	93	17762	2.50	2.42	
64 1,4-Dioxane	88	7.431	7.431	0.000	95	5679	50.0	48.6	
65 Dichlorobromomethane	83	7.537	7.537	0.000	97	36351	2.50	2.33	
67 2-Chloroethyl vinyl ether	63	7.892	7.892	0.000	91	43820	5.00	4.68	
68 cis-1,3-Dichloropropene	75	8.023	8.022	0.001	88	42871	2.50	2.32	
69 4-Methyl-2-pentanone (MIBK)	43	8.212	8.212	0.000	99	89060	5.00	4.28	
70 Toluene	91	8.354	8.354	0.000	97	124461	2.50	2.42	
71 trans-1,3-Dichloropropene	75	8.591	8.590	0.001	97	39587	2.50	2.31	
72 Ethyl methacrylate	69	8.721	8.721	0.000	93	32348	2.50	2.11	
73 1,1,2-Trichloroethane	97	8.768	8.768	0.000	94	25247	2.50	2.40	
75 Tetrachloroethene	164	8.910	8.910	0.000	97	21571	2.50	2.47	
74 1,3-Dichloropropane	76	8.934	8.934	0.000	97	45221	2.50	2.43	
76 2-Hexanone	43	9.052	9.052	0.000	97	65652	5.00	4.64	
78 Chlorodibromomethane	129	9.159	9.158	0.001	90	25075	2.50	2.32	
80 Ethylene Dibromide	107	9.265	9.265	0.000	100	24808	2.50	2.30	
82 Chlorobenzene	112	9.762	9.762	0.000	92	77452	2.50	2.46	
83 1,1,1,2-Tetrachloroethane	131	9.845	9.857	-0.011	92	25762	2.50	2.36	
84 Ethylbenzene	106	9.880	9.880	0.000	99	41894	2.50	2.38	
85 m-Xylene & p-Xylene	106	9.999	9.999	0.001	97	51085	2.50	2.43	
86 o-Xylene	106	10.389	10.389	0.000	98	52395	2.50	2.48	
87 Styrene	104	10.401	10.401	0.000	96	73559	2.50	2.32	
88 Bromoform	173	10.578	10.578	0.000	94	14484	2.50	2.21	
89 Isopropylbenzene	105	10.768	10.768	0.000	97	126775	2.50	2.42	
93 Bromobenzene	156	11.052	11.052	0.000	95	30670	2.50	2.45	
92 1,1,2,2-Tetrachloroethane	83	11.064	11.063	0.001	98	35105	2.50	2.33	
95 1,2,3-Trichloropropane	110	11.099	11.099	0.000	91	11467	2.50	2.29	
94 trans-1,4-Dichloro-2-butene	53	11.123	11.123	0.000	76	14200	2.50	2.36	
96 N-Propylbenzene	120	11.170	11.170	0.000	99	35474	2.50	2.46	
97 2-Chlorotoluene	126	11.253	11.253	0.000	96	30377	2.50	2.47	
99 1,3,5-Trimethylbenzene	105	11.348	11.347	0.001	91	104042	2.50	2.40	
100 4-Chlorotoluene	126	11.359	11.359	0.000	99	30321	2.50	2.42	
102 tert-Butylbenzene	119	11.667	11.667	0.000	94	86727	2.50	2.37	
104 1,2,4-Trimethylbenzene	105	11.714	11.714	0.000	97	106517	2.50	2.36	
105 sec-Butylbenzene	105	11.892	11.892	0.000	95	120513	2.50	2.37	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	11.987	11.986	0.001	97	55586	2.50	2.41	
107 4-Isopropyltoluene	119	12.034	12.034	0.000	97	102289	2.50	2.37	
108 1,4-Dichlorobenzene	146	12.081	12.081	0.000	95	56926	2.50	2.42	
111 n-Butylbenzene	91	12.448	12.448	0.000	97	87755	2.50	2.35	
112 1,2-Dichlorobenzene	146	12.448	12.448	0.000	79	55038	2.50	2.45	
113 1,2-Dibromo-3-Chloropropane	157	13.217	13.217	0.000	75	7363	2.50	2.33	
115 1,2,4-Trichlorobenzene	180	14.046	14.045	0.001	94	31945	2.50	2.40	
116 Hexachlorobutadiene	225	14.235	14.235	0.000	94	10546	2.50	2.38	
117 Naphthalene	128	14.282	14.282	0.000	97	112039	2.50	2.39	
118 1,2,3-Trichlorobenzene	180	14.531	14.531	0.001	95	29635	2.50	2.40	
S 134 Trihalomethanes, Total	1				0		10.0	9.22	
S 158 Total BTEX	1				0		12.5	12.2	
S 131 1,2-Dichloroethene, Total	96				0			4.70	
S 132 1,3-Dichloropropene, Total	75				0			4.63	
S 133 Xylenes, Total	106				0		5.00	4.90	

QC Flag Legend

Processing Flags

Reagents:

VMAROLISTDW_00495	Amount Added: 2.00	Units: uL	
VMRGAS_00487	Amount Added: 2.00	Units: uL	
VMRPRIMW_00542	Amount Added: 2.00	Units: uL	
vm125UX21_SS_00007	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00024	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_IS_00050	Amount Added: 1.00	Units: uL	Run Reagent
vmDist_H2o_00237	Amount Added: 0.00	Units:	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236430.D

Injection Date: 04-Aug-2023 16:39:30

Instrument ID: A3UX23

Operator ID:

Lims ID: ic

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

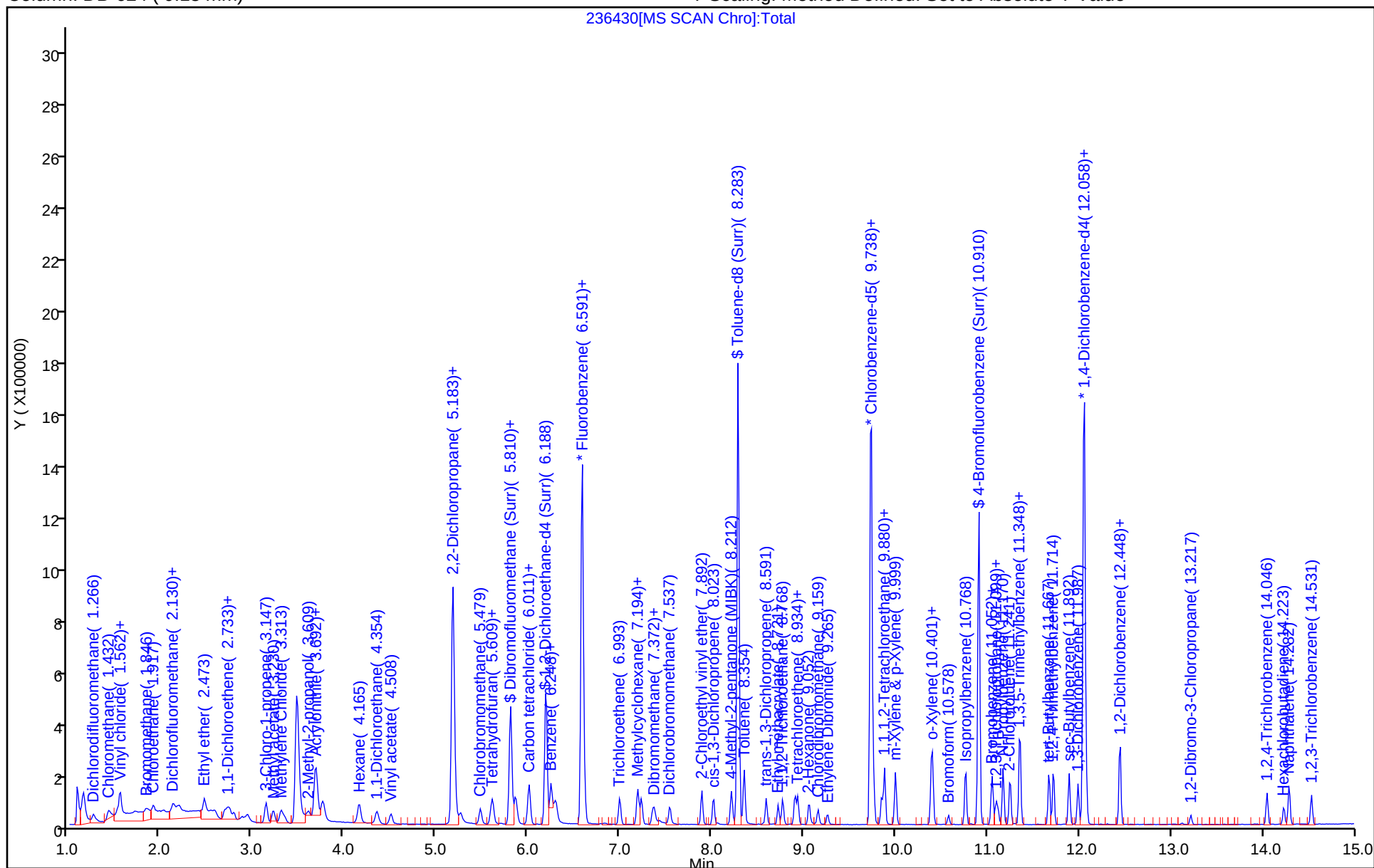
ALS Bottle#: 4

Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236431.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 4
 Inject. Date: 04-Aug-2023 17:04:30 ALS Bottle#: 5 Worklist Smp#: 6
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0132136-006
 Operator ID: Instrument ID: A3UX23
 Sublist: chrom-8260_23*sub1
 Method: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 05-Aug-2023 12:38:38 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1647

First Level Reviewer: SE1B

Date: 05-Aug-2023 10:59:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	1119634	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.738	0.000	89	818981	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.057	12.057	0.000	98	394335	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.810	0.000	93	241892	25.0	24.6	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.188	6.188	0.000	97	350475	25.0	24.6	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	95	977535	25.0	24.5	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	85	393089	25.0	24.6	
9 Dichlorodifluoromethane	85	1.266	1.266	0.000	99	98187	6.25	6.73	
10 Chloromethane	50	1.431	1.431	0.000	100	130769	6.25	6.22	
11 Vinyl chloride	62	1.526	1.526	0.000	98	92300	6.25	6.32	
12 Butadiene	54	1.550	1.550	0.000	98	123394	6.25	6.33	
13 Bromomethane	94	1.834	1.834	0.000	92	48537	6.25	6.06	
14 Chloroethane	64	1.917	1.917	0.000	97	56010	6.25	6.26	
15 Dichlorofluoromethane	67	2.130	2.130	0.000	99	102942	6.25	6.15	
16 Trichlorofluoromethane	101	2.177	2.177	0.000	99	96155	6.25	6.60	
17 Ethyl ether	59	2.473	2.473	0.000	97	70884	6.25	5.80	
18 Acrolein	56	2.603	2.603	0.000	99	25294	31.3	32.9	
19 1,1-Dichloroethene	96	2.709	2.698	0.011	94	54258	6.25	5.65	
20 1,1,2-Trichloro-1,2,2-trifluoro	151	2.745	2.745	0.000	94	44134	6.25	5.56	
21 Acetone	58	2.792	2.792	0.000	97	20905	12.5	10.5	
23 Iodomethane	142	2.875	2.875	0.000	99	90107	6.25	5.88	
24 Carbon disulfide	76	2.934	2.934	0.000	99	167239	6.25	5.63	
26 3-Chloro-1-propene	41	3.147	3.147	0.000	87	151718	6.25	5.46	
27 Methyl acetate	43	3.230	3.218	0.012	100	196399	12.5	11.1	
28 Methylene Chloride	84	3.313	3.313	0.000	95	72158	6.25	5.83	
29 2-Methyl-2-propanol	59	3.609	3.609	0.000	94	72623	62.5	45.7	
30 Acrylonitrile	53	3.680	3.680	0.000	98	429650	62.5	56.7	
32 trans-1,2-Dichloroethene	96	3.703	3.703	0.000	93	67016	6.25	5.64	
31 Methyl tert-butyl ether	73	3.763	3.763	0.000	96	203456	6.25	5.70	
33 Hexane	57	4.165	4.165	0.000	96	100538	6.25	5.42	
34 1,1-Dichloroethane	63	4.354	4.354	0.000	98	136000	6.25	5.79	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 Vinyl acetate	43	4.508	4.508	0.000	97	175503	6.25	5.61	
41 2,2-Dichloropropane	97	5.171	5.171	0.000	77	17225	6.25	5.75	
39 cis-1,2-Dichloroethene	96	5.183	5.183	0.000	59	74746	6.25	5.67	
40 2-Butanone (MEK)	72	5.265	5.265	0.000	98	22627	12.5	11.0	
45 Chlorobromomethane	128	5.478	5.478	0.000	90	35012	6.25	5.77	
46 Tetrahydrofuran	42	5.597	5.585	0.012	91	75093	12.5	10.6	
47 Chloroform	83	5.620	5.608	0.012	99	121116	6.25	5.72	
48 1,1,1-Trichloroethane	97	5.810	5.810	0.000	67	105738	6.25	5.82	
49 Cyclohexane	56	5.857	5.857	0.000	96	133015	6.25	5.58	
51 Carbon tetrachloride	117	6.011	5.999	0.012	95	89373	6.25	5.65	
50 1,1-Dichloropropene	75	6.011	6.011	0.000	89	92857	6.25	5.80	
54 Benzene	78	6.247	6.247	0.000	97	276170	6.25	5.79	
53 1,2-Dichloroethane	62	6.283	6.283	0.000	96	117576	6.25	5.81	
52 Isobutyl alcohol	41	6.307	6.307	0.000	93	99352	156.3	137.0	
56 n-Heptane	100	6.614	6.614	0.000	97	13164	6.25	5.44	
58 Trichloroethene	130	6.993	6.993	0.000	97	70255	6.25	5.83	
60 Methylcyclohexane	83	7.194	7.194	0.000	97	102518	6.25	5.59	
61 1,2-Dichloropropane	63	7.230	7.230	0.000	95	74668	6.25	5.82	
63 Dibromomethane	93	7.348	7.348	0.000	95	41958	6.25	5.85	
64 1,4-Dioxane	88	7.431	7.431	0.000	94	12464	125.0	109.1	
65 Dichlorobromomethane	83	7.537	7.537	0.000	97	86248	6.25	5.66	
67 2-Chloroethyl vinyl ether	63	7.892	7.892	0.000	91	105323	12.5	11.5	
68 cis-1,3-Dichloropropene	75	8.022	8.022	0.000	88	105646	6.25	5.84	
69 4-Methyl-2-pentanone (MIBK)	43	8.212	8.212	0.000	99	224391	12.5	11.0	
70 Toluene	91	8.354	8.354	0.000	97	295709	6.25	5.85	
71 trans-1,3-Dichloropropene	75	8.590	8.590	0.000	97	96349	6.25	5.72	
72 Ethyl methacrylate	69	8.721	8.721	0.000	94	82779	6.25	5.49	
73 1,1,2-Trichloroethane	97	8.768	8.768	0.000	95	60111	6.25	5.81	
75 Tetrachloroethene	164	8.910	8.910	0.000	97	50590	6.25	5.88	
74 1,3-Dichloropropane	76	8.934	8.934	0.000	97	107722	6.25	5.88	
76 2-Hexanone	43	9.052	9.052	0.000	97	159688	12.5	11.5	
78 Chlorodibromomethane	129	9.158	9.158	0.000	91	59428	6.25	5.58	
80 Ethylene Dibromide	107	9.265	9.265	0.000	99	61154	6.25	5.77	
82 Chlorobenzene	112	9.762	9.762	0.000	92	180633	6.25	5.82	
83 1,1,1,2-Tetrachloroethane	131	9.857	9.857	0.000	94	61337	6.25	5.71	
84 Ethylbenzene	106	9.880	9.880	0.000	98	102307	6.25	5.91	
85 m-Xylene & p-Xylene	106	9.998	9.999	0.000	97	123466	6.25	5.96	
86 o-Xylene	106	10.389	10.389	0.000	98	121942	6.25	5.85	
87 Styrene	104	10.401	10.401	0.000	95	178593	6.25	5.72	
88 Bromoform	173	10.578	10.578	0.000	95	35900	6.25	5.58	
89 Isopropylbenzene	105	10.768	10.768	0.000	97	302040	6.25	5.85	
93 Bromobenzene	156	11.052	11.052	0.000	97	70482	6.25	5.77	
92 1,1,2,2-Tetrachloroethane	83	11.063	11.063	0.000	98	84872	6.25	5.77	
95 1,2,3-Trichloropropane	110	11.099	11.099	0.000	91	28499	6.25	5.82	
94 trans-1,4-Dichloro-2-butene	53	11.123	11.123	0.000	76	32765	6.25	5.58	
96 N-Propylbenzene	120	11.170	11.170	0.000	99	80858	6.25	5.74	
97 2-Chlorotoluene	126	11.253	11.253	0.000	96	72252	6.25	6.02	
99 1,3,5-Trimethylbenzene	105	11.347	11.347	0.000	93	246121	6.25	5.82	
100 4-Chlorotoluene	126	11.359	11.359	0.000	99	70914	6.25	5.79	
102 tert-Butylbenzene	119	11.667	11.667	0.000	94	208989	6.25	5.85	
104 1,2,4-Trimethylbenzene	105	11.714	11.714	0.000	98	259062	6.25	5.89	
105 sec-Butylbenzene	105	11.892	11.892	0.000	95	288854	6.25	5.82	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	11.986	11.986	0.000	97	133814	6.25	5.95	
107 4-Isopropyltoluene	119	12.034	12.034	0.000	97	244428	6.25	5.80	
108 1,4-Dichlorobenzene	146	12.081	12.081	0.000	94	134007	6.25	5.84	
111 n-Butylbenzene	91	12.448	12.448	0.000	98	213031	6.25	5.84	
112 1,2-Dichlorobenzene	146	12.448	12.448	0.000	78	130230	6.25	5.94	
113 1,2-Dibromo-3-Chloropropane	157	13.217	13.217	0.000	73	16572	6.25	5.36	
115 1,2,4-Trichlorobenzene	180	14.045	14.045	0.000	95	75426	6.25	5.81	
116 Hexachlorobutadiene	225	14.235	14.235	0.000	97	25674	6.25	5.94	
117 Naphthalene	128	14.282	14.282	0.000	98	265074	6.25	5.78	
118 1,2,3-Trichlorobenzene	180	14.530	14.531	0.000	95	71092	6.25	5.89	
S 134 Trihalomethanes, Total	1				0		25.0	22.5	
S 158 Total BTEX	1				0		31.3	29.4	
S 131 1,2-Dichloroethene, Total	96				0			11.3	
S 132 1,3-Dichloropropene, Total	75				0			11.6	
S 133 Xylenes, Total	106				0		12.5	11.8	

QC Flag Legend

Processing Flags

Reagents:

VMRPRIMW_00542	Amount Added: 5.00	Units: uL	
VMRGAS_00487	Amount Added: 5.00	Units: uL	
VMAROLISTDW_00495	Amount Added: 5.00	Units: uL	
vm125UX21_SS_00007	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00024	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_IS_00050	Amount Added: 1.00	Units: uL	Run Reagent
vmDist_H2o_00237	Amount Added: 0.00	Units:	Run Reagent

Report Date: 05-Aug-2023 12:38:39

Chrom Revision: 2.3 03-Aug-2023 16:11:04

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236431.D

Injection Date: 04-Aug-2023 17:04:30

Instrument ID: A3UX23

Operator ID:

Lims ID: ic

Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

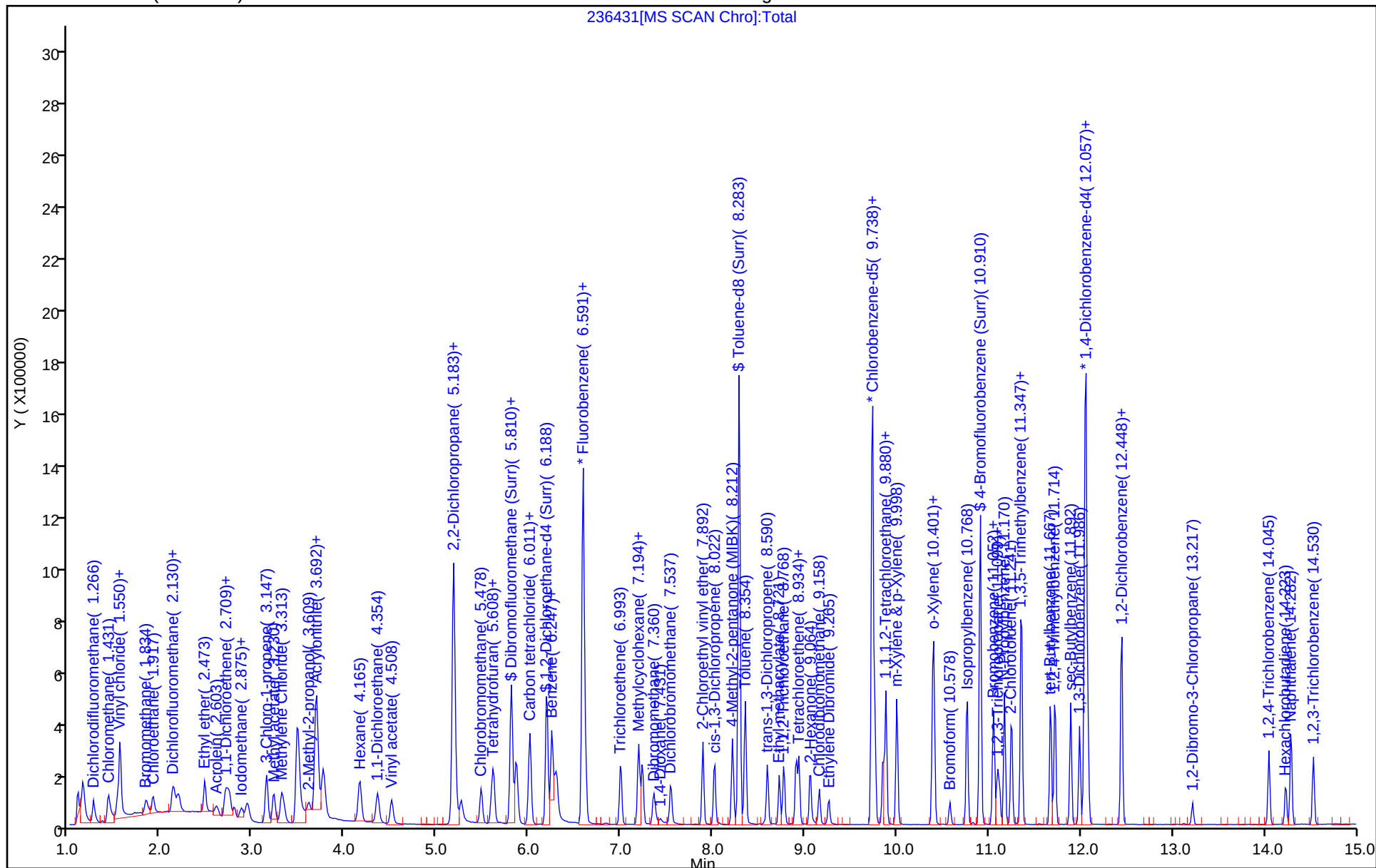
ALS Bottle#: 5

Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236432.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 5
 Inject. Date: 04-Aug-2023 17:29:30 ALS Bottle#: 6 Worklist Smp#: 7
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0132136-007
 Operator ID: Instrument ID: A3UX23
 Sublist: chrom-8260_23*sub1
 Method: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 05-Aug-2023 12:38:42 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1647

First Level Reviewer: SE1B

Date: 05-Aug-2023 11:00:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	918974	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.738	0.000	90	672995	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.058	12.057	0.001	97	331495	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.810	0.000	93	207185	25.0	25.7	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.200	6.188	0.012	97	293756	25.0	25.1	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	95	816625	25.0	24.9	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	85	332546	25.0	25.4	
9 Dichlorodifluoromethane	85	1.266	1.266	0.000	99	160117	12.5	13.4	
10 Chloromethane	50	1.432	1.431	0.001	100	217238	12.5	12.6	
11 Vinyl chloride	62	1.526	1.526	0.000	98	156335	12.5	13.0	
12 Butadiene	54	1.562	1.550	0.012	98	207926	12.5	13.0	
13 Bromomethane	94	1.834	1.834	0.000	92	82457	12.5	12.5	
14 Chloroethane	64	1.917	1.917	0.000	97	94348	12.5	12.9	
15 Dichlorofluoromethane	67	2.130	2.130	0.000	99	183407	12.5	13.3	
16 Trichlorofluoromethane	101	2.177	2.177	0.000	99	164316	12.5	13.7	
17 Ethyl ether	59	2.473	2.473	0.000	97	127784	12.5	12.7	
18 Acrolein	56	2.603	2.603	0.000	98	40067	62.5	63.5	
19 1,1-Dichloroethene	96	2.698	2.698	0.000	94	101369	12.5	12.9	
20 1,1,2-Trichloro-1,2,2-trifluoro	151	2.745	2.745	0.000	94	84736	12.5	13.0	
21 Acetone	58	2.804	2.792	0.012	98	42146	25.0	28.9	
23 Iodomethane	142	2.863	2.875	-0.012	99	165806	12.5	13.2	
24 Carbon disulfide	76	2.934	2.934	0.000	99	312377	12.5	12.8	
26 3-Chloro-1-propene	41	3.147	3.147	0.000	86	278147	12.5	12.2	
27 Methyl acetate	43	3.230	3.218	0.012	100	375035	25.0	25.7	
28 Methylene Chloride	84	3.313	3.313	0.000	95	127488	12.5	13.3	
29 2-Methyl-2-propanol	59	3.609	3.609	0.000	93	184844	125.0	141.6	
30 Acrylonitrile	53	3.680	3.680	0.000	97	829683	125.0	133.4	
32 trans-1,2-Dichloroethene	96	3.703	3.703	0.000	93	120242	12.5	12.3	
31 Methyl tert-butyl ether	73	3.763	3.763	0.000	96	370751	12.5	12.7	
33 Hexane	57	4.165	4.165	0.000	96	193080	12.5	12.7	
34 1,1-Dichloroethane	63	4.354	4.354	0.000	97	246674	12.5	12.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 Vinyl acetate	43	4.508	4.508	0.000	97	321759	12.5	12.5	
41 2,2-Dichloropropane	97	5.171	5.171	0.000	86	33360	12.5	13.6	
39 cis-1,2-Dichloroethene	96	5.183	5.183	0.001	82	131579	12.5	12.2	
40 2-Butanone (MEK)	72	5.265	5.265	0.000	98	41058	25.0	24.4	
45 Chlorobromomethane	128	5.478	5.478	0.000	91	61127	12.5	12.3	
46 Tetrahydrofuran	42	5.585	5.585	0.000	92	142802	25.0	24.6	
47 Chloroform	83	5.620	5.608	0.012	99	221382	12.5	12.7	
48 1,1,1-Trichloroethane	97	5.810	5.810	0.000	88	191581	12.5	12.8	
49 Cyclohexane	56	5.869	5.857	0.012	97	256778	12.5	13.1	
51 Carbon tetrachloride	117	6.011	5.999	0.012	96	165517	12.5	12.8	
50 1,1-Dichloropropene	75	6.011	6.011	0.000	88	166026	12.5	12.6	
54 Benzene	78	6.248	6.247	0.001	98	497303	12.5	12.7	
53 1,2-Dichloroethane	62	6.283	6.283	0.000	97	210748	12.5	12.7	
52 Isobutyl alcohol	41	6.307	6.307	0.000	94	204247	312.5	343.1	
56 n-Heptane	100	6.614	6.614	0.000	97	24183	12.5	12.2	
58 Trichloroethene	130	6.993	6.993	0.000	96	122888	12.5	12.4	
60 Methylcyclohexane	83	7.194	7.194	0.000	97	195371	12.5	13.0	
61 1,2-Dichloropropane	63	7.230	7.230	0.000	94	131566	12.5	12.5	
63 Dibromomethane	93	7.360	7.348	0.012	97	72836	12.5	12.4	
64 1,4-Dioxane	88	7.431	7.431	0.000	92	24783	250.0	264.2	
65 Dichlorobromomethane	83	7.537	7.537	0.000	97	154463	12.5	12.3	
67 2-Chloroethyl vinyl ether	63	7.892	7.892	0.000	90	187590	25.0	25.0	
68 cis-1,3-Dichloropropene	75	8.023	8.022	0.001	89	187719	12.5	12.6	
69 4-Methyl-2-pentanone (MIBK)	43	8.212	8.212	0.000	99	443746	25.0	26.6	
70 Toluene	91	8.354	8.354	0.000	97	511904	12.5	12.3	
71 trans-1,3-Dichloropropene	75	8.590	8.590	0.000	96	170894	12.5	12.3	
72 Ethyl methacrylate	69	8.721	8.721	0.000	94	147228	12.5	11.9	
73 1,1,2-Trichloroethane	97	8.768	8.768	0.000	94	107469	12.5	12.6	
75 Tetrachloroethene	164	8.910	8.910	0.000	97	89463	12.5	12.7	
74 1,3-Dichloropropane	76	8.934	8.934	0.000	96	188412	12.5	12.5	
76 2-Hexanone	43	9.052	9.052	0.000	98	288604	25.0	25.2	
78 Chlorodibromomethane	129	9.158	9.158	0.000	91	108254	12.5	12.4	
80 Ethylene Dibromide	107	9.265	9.265	0.000	98	108963	12.5	12.5	
82 Chlorobenzene	112	9.762	9.762	0.000	91	319321	12.5	12.5	
83 1,1,1,2-Tetrachloroethane	131	9.857	9.857	0.001	94	114028	12.5	12.9	
84 Ethylbenzene	106	9.880	9.880	0.000	99	180168	12.5	12.7	
85 m-Xylene & p-Xylene	106	9.999	9.999	0.001	97	217026	12.5	12.7	
86 o-Xylene	106	10.389	10.389	0.000	98	221220	12.5	12.9	
87 Styrene	104	10.401	10.401	0.000	95	322739	12.5	12.6	
88 Bromoform	173	10.578	10.578	0.000	95	67225	12.5	12.7	
89 Isopropylbenzene	105	10.768	10.768	0.000	97	551555	12.5	13.0	
93 Bromobenzene	156	11.052	11.052	0.000	97	125847	12.5	12.3	
92 1,1,2,2-Tetrachloroethane	83	11.064	11.063	0.001	95	157395	12.5	12.7	
95 1,2,3-Trichloropropane	110	11.099	11.099	0.000	91	50258	12.5	12.2	
94 trans-1,4-Dichloro-2-butene	53	11.123	11.123	0.000	77	58189	12.5	11.8	
96 N-Propylbenzene	120	11.170	11.170	0.000	99	148985	12.5	12.6	
97 2-Chlorotoluene	126	11.253	11.253	0.000	97	128825	12.5	12.8	
99 1,3,5-Trimethylbenzene	105	11.348	11.347	0.001	94	459898	12.5	12.9	
100 4-Chlorotoluene	126	11.359	11.359	0.000	98	130438	12.5	12.7	
102 tert-Butylbenzene	119	11.667	11.667	0.000	94	383325	12.5	12.8	
104 1,2,4-Trimethylbenzene	105	11.714	11.714	0.000	98	473907	12.5	12.8	
105 sec-Butylbenzene	105	11.892	11.892	0.000	95	537763	12.5	12.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	11.987	11.986	0.001	97	234641	12.5	12.4	
107 4-Isopropyltoluene	119	12.034	12.034	0.000	97	459540	12.5	13.0	
108 1,4-Dichlorobenzene	146	12.081	12.081	0.000	93	237573	12.5	12.3	
111 n-Butylbenzene	91	12.448	12.448	0.000	97	395304	12.5	12.9	
112 1,2-Dichlorobenzene	146	12.448	12.448	0.000	77	235403	12.5	12.8	
113 1,2-Dibromo-3-Chloropropane	157	13.217	13.217	0.000	75	32492	12.5	12.5	
115 1,2,4-Trichlorobenzene	180	14.045	14.045	0.000	93	140975	12.5	12.9	
116 Hexachlorobutadiene	225	14.235	14.235	0.000	97	46877	12.5	12.9	
117 Naphthalene	128	14.282	14.282	0.000	98	509480	12.5	13.2	
118 1,2,3-Trichlorobenzene	180	14.531	14.531	0.001	95	134442	12.5	13.3	
S 134 Trihalomethanes, Total	1				0		50.0	50.1	
S 158 Total BTEX	1				0		62.5	63.4	
S 131 1,2-Dichloroethene, Total	96				0			24.5	
S 132 1,3-Dichloropropene, Total	75				0			25.0	
S 133 Xylenes, Total	106				0		25.0	25.7	

QC Flag Legend

Processing Flags

Reagents:

VMAROLISTDW_00495	Amount Added: 10.00	Units: uL	
VMRGAS_00487	Amount Added: 10.00	Units: uL	
VMRPRIMW_00542	Amount Added: 10.00	Units: uL	
vm125UX21_SS_00007	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00024	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_IS_00050	Amount Added: 1.00	Units: uL	Run Reagent
vmDist_H2o_00237	Amount Added: 0.00	Units:	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236432.D

Injection Date: 04-Aug-2023 17:29:30

Instrument ID: A3UX23

Operator ID:

Lims ID: ic

Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

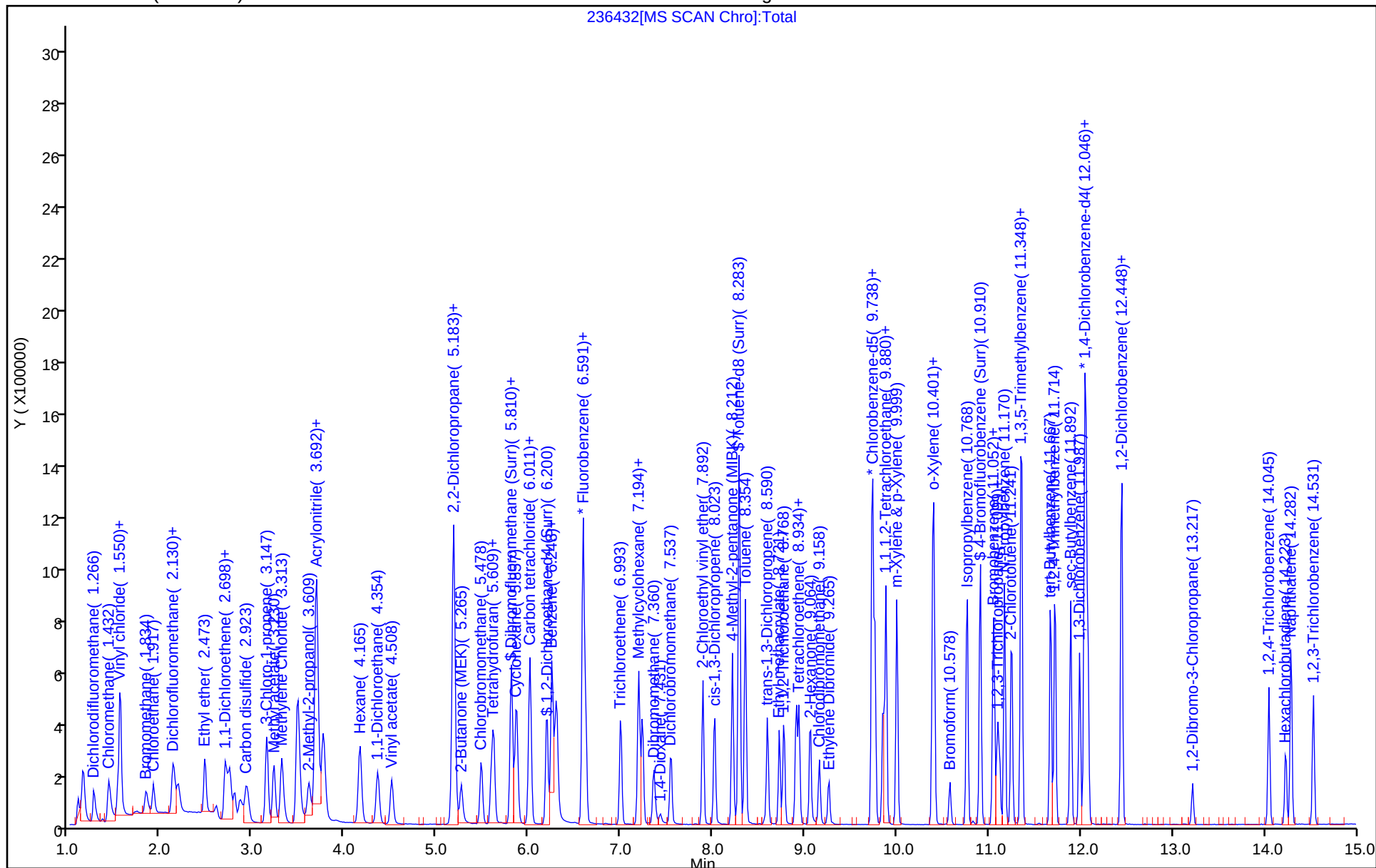
ALS Bottle#: 6

Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236433.D
 Lims ID: icis
 Client ID:
 Sample Type: ICIS Calib Level: 6
 Inject. Date: 04-Aug-2023 17:54:30 ALS Bottle#: 7 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0132136-008
 Operator ID: Instrument ID: A3UX23
 Sublist: chrom-8260_23*sub1
 Method: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 05-Aug-2023 12:38:45 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1647

First Level Reviewer: SE1B

Date: 05-Aug-2023 11:00:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	1078248	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.738	0.000	91	790347	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.057	12.057	0.000	97	372950	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.810	0.000	72	237940	25.0	25.1	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.188	6.188	0.000	96	344532	25.0	25.1	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	95	951433	25.0	24.7	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	85	381499	25.0	24.8	
9 Dichlorodifluoromethane	85	1.266	1.266	0.000	99	338962	25.0	24.1	
10 Chloromethane	50	1.431	1.431	0.000	100	496540	25.0	24.5	
11 Vinyl chloride	62	1.526	1.526	0.000	98	347854	25.0	24.7	
12 Butadiene	54	1.550	1.550	0.000	98	449687	25.0	23.9	
13 Bromomethane	94	1.834	1.834	0.000	91	174102	25.0	22.6	
14 Chloroethane	64	1.917	1.917	0.000	97	204227	25.0	23.7	
15 Dichlorofluoromethane	67	2.130	2.130	0.000	99	395832	25.0	24.5	
16 Trichlorofluoromethane	101	2.177	2.177	0.000	100	357914	25.0	25.5	
17 Ethyl ether	59	2.473	2.473	0.000	98	294132	25.0	25.0	
18 Acrolein	56	2.603	2.603	0.000	98	97005	125.0	131.1	
19 1,1-Dichloroethene	96	2.698	2.698	0.000	94	217973	25.0	23.6	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.745	2.745	0.000	93	182673	25.0	23.9	
21 Acetone	58	2.792	2.792	0.000	98	82042	50.0	49.3	
23 Iodomethane	142	2.875	2.875	0.000	99	369227	25.0	25.0	
24 Carbon disulfide	76	2.934	2.934	0.000	99	694283	25.0	24.3	
26 3-Chloro-1-propene	41	3.147	3.147	0.000	87	645081	25.0	24.1	
27 Methyl acetate	43	3.218	3.218	0.000	100	858746	50.0	50.2	
28 Methylene Chloride	84	3.313	3.313	0.000	95	281315	25.0	25.6	
29 2-Methyl-2-propanol	59	3.609	3.609	0.000	93	406437	250.0	265.3	
30 Acrylonitrile	53	3.680	3.680	0.000	97	1864266	250.0	255.5	
32 trans-1,2-Dichloroethene	96	3.703	3.703	0.000	92	269264	25.0	23.5	
31 Methyl tert-butyl ether	73	3.763	3.763	0.000	97	855102	25.0	24.9	
33 Hexane	57	4.165	4.165	0.000	96	431938	25.0	24.2	
34 1,1-Dichloroethane	63	4.354	4.354	0.000	98	561866	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
35 Vinyl acetate	43	4.508	4.508	0.000	97	773199	25.0	25.7	
41 2,2-Dichloropropane	97	5.171	5.171	0.000	89	70720	25.0	24.5	
39 cis-1,2-Dichloroethene	96	5.183	5.183	0.000	81	304851	25.0	24.0	
40 2-Butanone (MEK)	72	5.265	5.265	0.000	98	90540	50.0	45.9	
45 Chlorobromomethane	128	5.478	5.478	0.000	90	143538	25.0	24.6	
46 Tetrahydrofuran	42	5.585	5.585	0.000	93	337231	50.0	49.5	
47 Chloroform	83	5.608	5.608	0.000	99	500899	25.0	24.6	
48 1,1,1-Trichloroethane	97	5.810	5.810	0.000	97	440201	25.0	25.2	
49 Cyclohexane	56	5.857	5.857	0.000	96	572273	25.0	24.9	
51 Carbon tetrachloride	117	5.999	5.999	0.000	96	375996	25.0	24.7	
50 1,1-Dichloropropene	75	6.011	6.011	0.000	90	385433	25.0	25.0	
54 Benzene	78	6.247	6.247	0.000	97	1130248	25.0	24.6	
53 1,2-Dichloroethane	62	6.283	6.283	0.000	96	482558	25.0	24.7	
52 Isobutyl alcohol	41	6.307	6.307	0.000	94	451528	625.0	646.4	
56 n-Heptane	100	6.614	6.614	0.000	98	57231	25.0	24.5	
58 Trichloroethene	130	6.993	6.993	0.000	97	285217	25.0	24.6	
60 Methylcyclohexane	83	7.194	7.194	0.000	97	435068	25.0	24.6	
61 1,2-Dichloropropane	63	7.230	7.230	0.000	95	310443	25.0	25.1	
63 Dibromomethane	93	7.348	7.348	0.000	95	173763	25.0	25.2	
64 1,4-Dioxane	88	7.431	7.431	0.000	96	55611	500.0	505.3	
65 Dichlorobromomethane	83	7.537	7.537	0.000	98	364812	25.0	24.8	
67 2-Chloroethyl vinyl ether	63	7.892	7.892	0.000	90	450957	50.0	51.2	
68 cis-1,3-Dichloropropene	75	8.022	8.022	0.000	89	449699	25.0	25.8	
69 4-Methyl-2-pentanone (MIBK)	43	8.212	8.212	0.000	99	1061578	50.0	54.2	
70 Toluene	91	8.354	8.354	0.000	97	1200707	25.0	24.6	
71 trans-1,3-Dichloropropene	75	8.590	8.590	0.000	97	420850	25.0	25.9	
72 Ethyl methacrylate	69	8.721	8.721	0.000	95	381090	25.0	26.2	
73 1,1,2-Trichloroethane	97	8.768	8.768	0.000	95	248227	25.0	24.9	
75 Tetrachloroethene	164	8.910	8.910	0.000	97	204928	25.0	24.7	
74 1,3-Dichloropropane	76	8.934	8.934	0.000	96	438868	25.0	24.8	
76 2-Hexanone	43	9.052	9.052	0.000	98	709793	50.0	52.8	
78 Chlorodibromomethane	129	9.158	9.158	0.000	90	262393	25.0	25.5	
80 Ethylene Dibromide	107	9.265	9.265	0.000	98	257753	25.0	25.2	
82 Chlorobenzene	112	9.762	9.762	0.000	94	733703	25.0	24.5	
83 1,1,1,2-Tetrachloroethane	131	9.857	9.857	0.000	94	262437	25.0	25.3	
84 Ethylbenzene	106	9.880	9.880	0.000	98	413177	25.0	24.7	
85 m-Xylene & p-Xylene	106	9.999	9.999	0.000	97	500067	25.0	25.0	
86 o-Xylene	106	10.389	10.389	0.000	96	498151	25.0	24.8	
87 Styrene	104	10.401	10.401	0.000	93	779497	25.0	25.9	
88 Bromoform	173	10.578	10.578	0.000	95	162750	25.0	26.2	
89 Isopropylbenzene	105	10.768	10.768	0.000	97	1243777	25.0	25.0	
93 Bromobenzene	156	11.052	11.052	0.000	97	289672	25.0	25.1	
92 1,1,2,2-Tetrachloroethane	83	11.063	11.063	0.000	95	352131	25.0	25.3	
95 1,2,3-Trichloropropane	110	11.099	11.099	0.000	90	115354	25.0	24.9	
94 trans-1,4-Dichloro-2-butene	53	11.123	11.123	0.000	78	143562	25.0	25.8	
96 N-Propylbenzene	120	11.170	11.170	0.000	99	335059	25.0	25.1	
97 2-Chlorotoluene	126	11.253	11.253	0.000	96	286828	25.0	25.3	
99 1,3,5-Trimethylbenzene	105	11.347	11.347	0.000	94	1029999	25.0	25.7	
100 4-Chlorotoluene	126	11.359	11.359	0.000	99	292174	25.0	25.2	
102 tert-Butylbenzene	119	11.667	11.667	0.000	94	857719	25.0	25.4	
104 1,2,4-Trimethylbenzene	105	11.714	11.714	0.000	98	1066121	25.0	25.6	
105 sec-Butylbenzene	105	11.892	11.892	0.000	95	1200925	25.0	25.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	11.986	11.986	0.000	96	528888	25.0	24.8	
107 4-Isopropyltoluene	119	12.034	12.034	0.000	97	1018277	25.0	25.5	
108 1,4-Dichlorobenzene	146	12.081	12.081	0.000	93	542082	25.0	25.0	
111 n-Butylbenzene	91	12.448	12.448	0.000	97	879267	25.0	25.5	
112 1,2-Dichlorobenzene	146	12.448	12.448	0.000	77	519800	25.0	25.1	
113 1,2-Dibromo-3-Chloropropane	157	13.217	13.217	0.000	76	73941	25.0	25.3	
115 1,2,4-Trichlorobenzene	180	14.045	14.045	0.000	94	306772	25.0	25.0	
116 Hexachlorobutadiene	225	14.235	14.235	0.000	97	102611	25.0	25.1	
117 Naphthalene	128	14.282	14.282	0.000	98	1103890	25.0	25.5	
118 1,2,3-Trichlorobenzene	180	14.531	14.531	0.000	95	283230	25.0	24.8	
S 134 Trihalomethanes, Total	1				0		100.0	101.1	
S 158 Total BTEX	1				0		125.0	123.8	
S 133 Xylenes, Total	106				0		50.0	49.8	

QC Flag Legend

Processing Flags

Reagents:

VMPRIMW_00542	Amount Added: 20.00	Units: uL	
VMRGAS_00487	Amount Added: 20.00	Units: uL	
VMAROLISTDW_00495	Amount Added: 20.00	Units: uL	
vm125UX21_SS_00007	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00024	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_IS_00050	Amount Added: 1.00	Units: uL	Run Reagent
vmDist_H2o_00237	Amount Added: 0.00	Units:	Run Reagent

Chrom Revision: 2.3 03-Aug-2023 16:11:04

Data File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236433.D

Instrument ID: A3UX23

Operator ID:
Worklist Smp#: 8

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

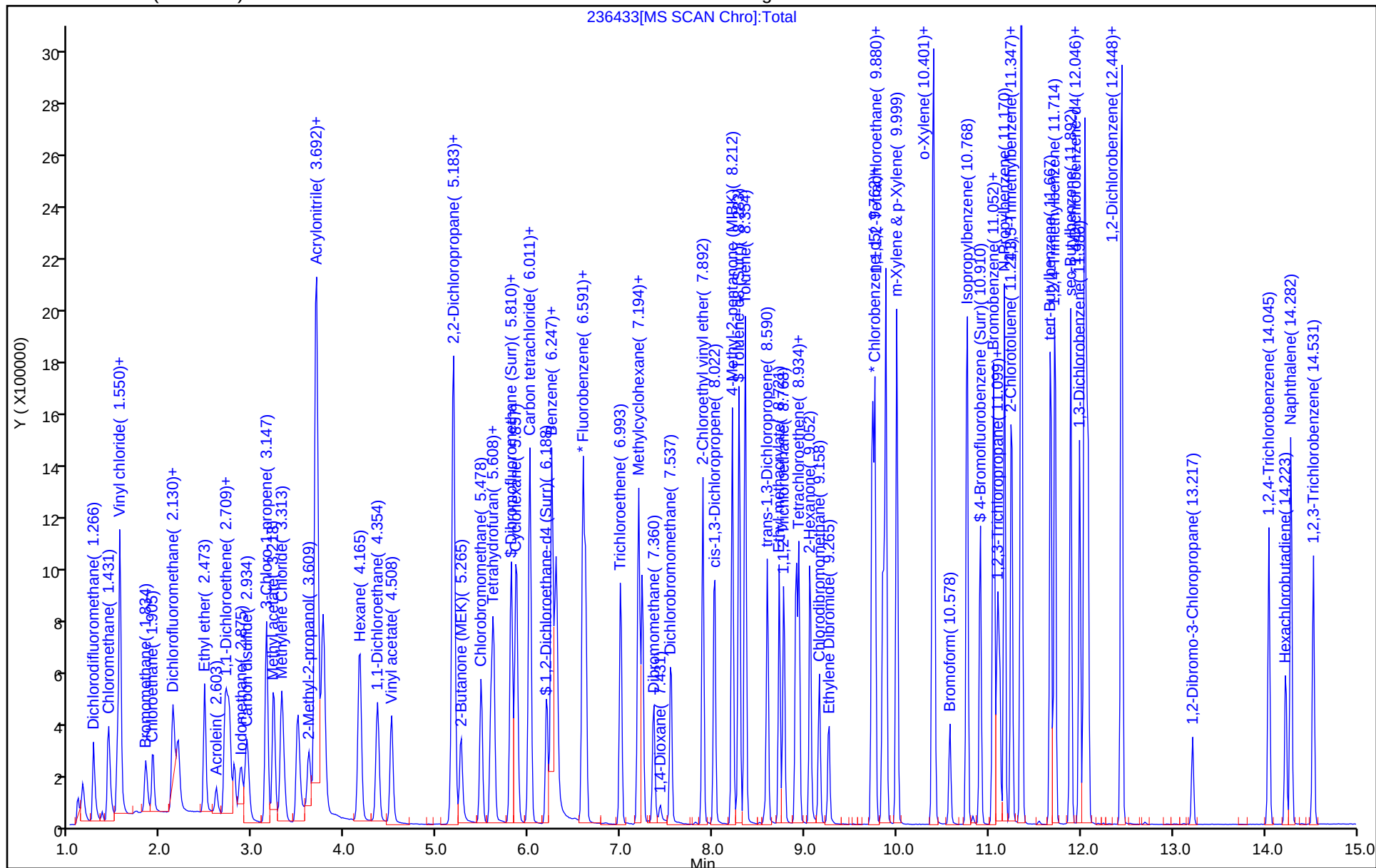
ALS Bottle#: 7

Method: 8260 23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236434.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 7
 Inject. Date: 04-Aug-2023 18:19:30 ALS Bottle#: 8 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0132136-009
 Operator ID: Instrument ID: A3UX23
 Sublist: chrom-8260_23*sub1
 Method: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 05-Aug-2023 12:38:49 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1647

First Level Reviewer: SE1B

Date: 05-Aug-2023 11:03:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	1104884	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.738	0.000	88	809303	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.057	12.057	0.000	97	375979	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.810	0.000	60	244253	25.0	25.2	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.188	6.188	0.000	97	356027	25.0	25.3	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	96	995340	25.0	25.2	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	85	399569	25.0	25.3	
9 Dichlorodifluoromethane	85	1.266	1.266	0.000	99	516481	37.5	35.9	
10 Chloromethane	50	1.431	1.431	0.000	100	801722	37.5	38.6	
11 Vinyl chloride	62	1.526	1.526	0.000	99	547823	37.5	38.0	
12 Butadiene	54	1.550	1.550	0.000	98	694582	37.5	36.1	
13 Bromomethane	94	1.834	1.834	0.000	91	254750	37.5	32.2	
14 Chloroethane	64	1.905	1.917	-0.012	97	324352	37.5	36.8	
15 Dichlorofluoromethane	67	2.130	2.130	0.000	99	626975	37.5	37.9	
16 Trichlorofluoromethane	101	2.177	2.177	0.000	99	557301	37.5	38.8	
17 Ethyl ether	59	2.473	2.473	0.000	97	453242	37.5	37.6	
18 Acrolein	56	2.591	2.603	-0.012	99	132468	187.5	174.7	
19 1,1-Dichloroethene	96	2.698	2.698	0.000	94	345558	37.5	36.4	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.745	2.745	0.000	94	277425	37.5	35.4	
21 Acetone	58	2.792	2.792	0.000	98	131519	75.0	78.3	
23 Iodomethane	142	2.875	2.875	0.000	100	571076	37.5	37.8	
24 Carbon disulfide	76	2.934	2.934	0.000	99	1071052	37.5	36.6	
26 3-Chloro-1-propene	41	3.147	3.147	0.000	87	982986	37.5	35.8	
27 Methyl acetate	43	3.218	3.218	0.000	100	1347419	75.0	76.9	
28 Methylene Chloride	84	3.313	3.313	0.000	95	426349	37.5	38.1	
29 2-Methyl-2-propanol	59	3.609	3.609	0.000	93	521195	375.0	332.1	
30 Acrylonitrile	53	3.680	3.680	0.000	97	2898351	375.0	387.6	
32 trans-1,2-Dichloroethene	96	3.692	3.703	-0.011	93	418021	37.5	35.7	
31 Methyl tert-butyl ether	73	3.763	3.763	0.000	96	1340533	37.5	38.1	
33 Hexane	57	4.153	4.165	-0.012	96	643001	37.5	35.1	
34 1,1-Dichloroethane	63	4.354	4.354	0.000	97	880461	37.5	38.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 Vinyl acetate	43	4.496	4.508	-0.012	97	1192644	37.5	38.7	
41 2,2-Dichloropropane	97	5.171	5.171	0.000	91	104181	37.5	35.2	
39 cis-1,2-Dichloroethene	96	5.182	5.183	0.000	92	469069	37.5	36.1	
40 2-Butanone (MEK)	72	5.253	5.265	-0.012	98	143840	75.0	71.1	
45 Chlorobromomethane	128	5.478	5.478	0.000	90	217786	37.5	36.4	
46 Tetrahydrofuran	42	5.585	5.585	0.000	92	528536	75.0	75.7	
47 Chloroform	83	5.608	5.608	0.000	99	773529	37.5	37.0	
48 1,1,1-Trichloroethane	97	5.810	5.810	0.000	97	674122	37.5	37.6	
49 Cyclohexane	56	5.857	5.857	0.000	96	858869	37.5	36.5	
51 Carbon tetrachloride	117	5.999	5.999	0.000	97	581298	37.5	37.2	
50 1,1-Dichloropropene	75	6.011	6.011	0.000	90	589001	37.5	37.3	
54 Benzene	78	6.247	6.247	0.000	97	1755534	37.5	37.3	
53 1,2-Dichloroethane	62	6.283	6.283	0.000	97	744394	37.5	37.2	
52 Isobutyl alcohol	41	6.295	6.307	-0.012	94	672579	937.5	939.6	
56 n-Heptane	100	6.614	6.614	0.000	98	85473	37.5	35.8	
58 Trichloroethene	130	6.993	6.993	0.000	97	441154	37.5	37.1	
60 Methylcyclohexane	83	7.194	7.194	0.000	97	650172	37.5	35.9	
61 1,2-Dichloropropane	63	7.230	7.230	0.000	94	479366	37.5	37.8	
63 Dibromomethane	93	7.348	7.348	0.000	96	265815	37.5	37.6	
64 1,4-Dioxane	88	7.431	7.431	0.000	95	78869	750.0	699.4	
65 Dichlorobromomethane	83	7.537	7.537	0.000	97	571908	37.5	38.0	
67 2-Chloroethyl vinyl ether	63	7.892	7.892	0.000	90	715729	75.0	79.2	
68 cis-1,3-Dichloropropene	75	8.022	8.022	0.000	88	699900	37.5	39.2	
69 4-Methyl-2-pentanone (MIBK)	43	8.212	8.212	0.000	99	1671979	75.0	83.4	
70 Toluene	91	8.354	8.354	0.000	97	1833540	37.5	36.7	
71 trans-1,3-Dichloropropene	75	8.590	8.590	0.000	97	664005	37.5	39.9	
72 Ethyl methacrylate	69	8.721	8.721	0.000	94	621124	37.5	41.7	
73 1,1,2-Trichloroethane	97	8.768	8.768	0.000	95	388751	37.5	38.0	
75 Tetrachloroethene	164	8.910	8.910	0.000	97	312961	37.5	36.8	
74 1,3-Dichloropropane	76	8.934	8.934	0.000	95	676234	37.5	37.4	
76 2-Hexanone	43	9.052	9.052	0.000	98	1125538	75.0	81.8	
78 Chlorodibromomethane	129	9.158	9.158	0.000	90	416029	37.5	39.5	
80 Ethylene Dibromide	107	9.265	9.265	0.000	99	399344	37.5	38.1	
82 Chlorobenzene	112	9.762	9.762	0.000	91	1134913	37.5	37.0	
83 1,1,1,2-Tetrachloroethane	131	9.856	9.857	0.000	95	404089	37.5	38.1	
84 Ethylbenzene	106	9.880	9.880	0.000	98	642768	37.5	37.6	
85 m-Xylene & p-Xylene	106	9.998	9.999	0.000	97	770154	37.5	37.6	
86 o-Xylene	106	10.389	10.389	0.000	98	763426	37.5	37.1	
87 Styrene	104	10.401	10.401	0.000	95	1213811	37.5	39.3	
88 Bromoform	173	10.578	10.578	0.000	95	263474	37.5	41.4	
89 Isopropylbenzene	105	10.768	10.768	0.000	97	1909932	37.5	37.4	
93 Bromobenzene	156	11.052	11.052	0.000	97	448025	37.5	38.5	
92 1,1,2,2-Tetrachloroethane	83	11.063	11.063	0.000	96	541880	37.5	38.6	
95 1,2,3-Trichloropropane	110	11.099	11.099	0.000	89	178826	37.5	38.3	
94 trans-1,4-Dichloro-2-butene	53	11.123	11.123	0.000	79	225761	37.5	40.3	
96 N-Propylbenzene	120	11.170	11.170	0.000	99	514793	37.5	38.3	
97 2-Chlorotoluene	126	11.253	11.253	0.000	97	444464	37.5	38.8	
99 1,3,5-Trimethylbenzene	105	11.347	11.347	0.000	94	1553729	37.5	38.5	
100 4-Chlorotoluene	126	11.359	11.359	0.000	98	452954	37.5	38.8	
102 tert-Butylbenzene	119	11.667	11.667	0.000	94	1312850	37.5	38.6	
104 1,2,4-Trimethylbenzene	105	11.714	11.714	0.000	98	1611016	37.5	38.4	
105 sec-Butylbenzene	105	11.892	11.892	0.000	95	1817825	37.5	38.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	11.986	11.986	0.000	97	810738	37.5	37.8	
107 4-Isopropyltoluene	119	12.034	12.034	0.000	97	1540836	37.5	38.3	
108 1,4-Dichlorobenzene	146	12.081	12.081	0.000	93	827089	37.5	37.8	
111 n-Butylbenzene	91	12.448	12.448	0.000	98	1321634	37.5	38.0	
112 1,2-Dichlorobenzene	146	12.448	12.448	0.000	76	787490	37.5	37.7	
113 1,2-Dibromo-3-Chloropropane	157	13.217	13.217	0.000	76	116018	37.5	39.4	
115 1,2,4-Trichlorobenzene	180	14.045	14.045	0.000	94	454115	37.5	36.7	
116 Hexachlorobutadiene	225	14.235	14.235	0.000	97	153175	37.5	37.2	
117 Naphthalene	128	14.282	14.282	0.000	98	1653792	37.5	37.8	
118 1,2,3-Trichlorobenzene	180	14.530	14.531	0.000	95	417122	37.5	36.2	
S 134 Trihalomethanes, Total	1				0		150.0	155.9	
S 158 Total BTEX	1				0		187.5	186.3	
S 131 1,2-Dichloroethene, Total	96				0			71.7	
S 132 1,3-Dichloropropene, Total	75				0			79.1	
S 133 Xylenes, Total	106				0		75.0	74.7	

QC Flag Legend

Processing Flags

Reagents:

VMAROLISTDW_00495	Amount Added: 30.00	Units: uL	
VMRGAS_00487	Amount Added: 30.00	Units: uL	
VMRPRIMW_00542	Amount Added: 30.00	Units: uL	
vm125UX21_SS_00007	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00024	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_IS_00050	Amount Added: 1.00	Units: uL	Run Reagent
vmDist_H2o_00237	Amount Added: 0.00	Units:	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236434.D

Injection Date: 04-Aug-2023 18:19:30

Instrument ID: A3UX23

Lims ID: ic

Operator ID:

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

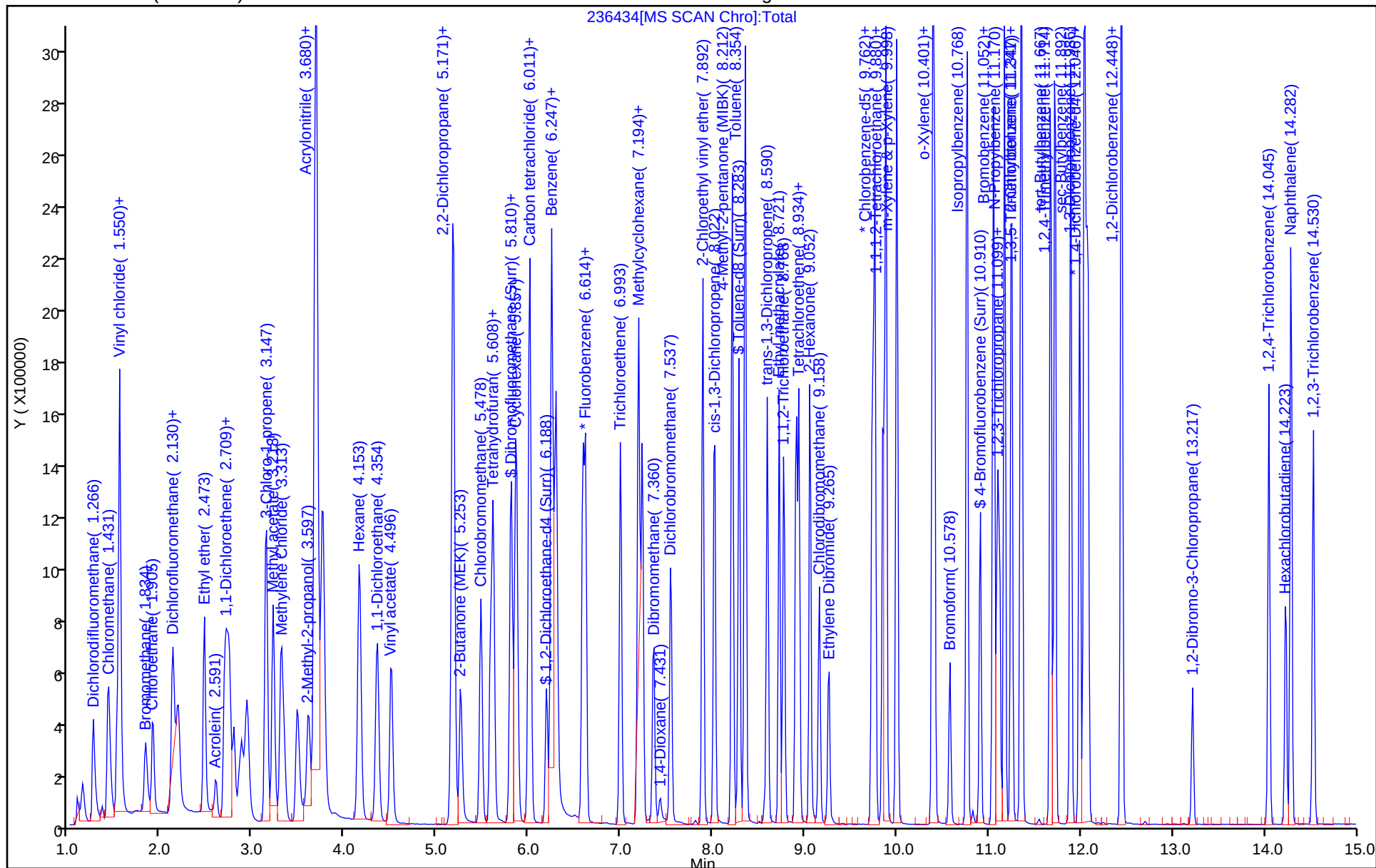
ALS Bottle#: 8

Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236435.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 8
 Inject. Date: 04-Aug-2023 18:44:30 ALS Bottle#: 9 Worklist Smp#: 10
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0132136-010
 Operator ID: Instrument ID: A3UX23
 Sublist: chrom-8260_23*sub1
 Method: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 05-Aug-2023 12:38:53 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1647

First Level Reviewer: SE1B

Date: 05-Aug-2023 11:04:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	1122507	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.738	0.000	88	839183	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.058	12.057	0.001	97	394141	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.810	0.000	55	249107	25.0	25.3	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.188	6.188	0.000	97	359648	25.0	25.2	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	95	1022232	25.0	25.0	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	85	417983	25.0	25.6	
9 Dichlorodifluoromethane	85	1.266	1.266	0.000	99	722190	50.0	49.4	
10 Chloromethane	50	1.432	1.431	0.001	100	1055049	50.0	50.0	
11 Vinyl chloride	62	1.526	1.526	0.000	98	743250	50.0	50.7	
12 Butadiene	54	1.550	1.550	0.000	98	946572	50.0	48.4	
13 Bromomethane	94	1.834	1.834	0.000	91	349795	50.0	43.6	
14 Chloroethane	64	1.905	1.917	-0.012	97	415641	50.0	46.4	
15 Dichlorofluoromethane	67	2.130	2.130	0.000	99	825981	50.0	49.2	
16 Trichlorofluoromethane	101	2.177	2.177	0.000	100	754101	50.0	51.6	
17 Ethyl ether	59	2.473	2.473	0.000	97	579418	50.0	47.3	
18 Acrolein	56	2.591	2.603	-0.012	99	192999	250.0	250.6	
19 1,1-Dichloroethene	96	2.710	2.698	0.012	94	432093	50.0	44.8	
20 1,1,2-Trichloro-1,2,2-trifluoro	151	2.745	2.745	0.000	96	366561	50.0	46.1	
21 Acetone	58	2.792	2.792	0.000	98	169552	100.0	99.9	
23 Iodomethane	142	2.875	2.875	0.000	99	735745	50.0	47.9	
24 Carbon disulfide	76	2.934	2.934	0.000	99	1397824	50.0	47.0	
26 3-Chloro-1-propene	41	3.147	3.147	0.000	87	1300087	50.0	46.7	
27 Methyl acetate	43	3.218	3.218	0.000	100	1742670	100.0	97.9	
28 Methylene Chloride	84	3.313	3.313	0.000	95	548885	50.0	48.5	
29 2-Methyl-2-propanol	59	3.609	3.609	0.000	93	688137	500.0	431.5	
30 Acrylonitrile	53	3.680	3.680	0.000	97	3806189	500.0	501.0	
32 trans-1,2-Dichloroethene	96	3.692	3.703	-0.011	93	535727	50.0	45.0	
31 Methyl tert-butyl ether	73	3.763	3.763	0.000	96	1743215	50.0	48.7	
33 Hexane	57	4.153	4.165	-0.012	96	899534	50.0	48.4	
34 1,1-Dichloroethane	63	4.354	4.354	0.000	97	1138339	50.0	48.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 Vinyl acetate	43	4.508	4.508	0.000	97	1655172	50.0	52.8	
41 2,2-Dichloropropane	97	5.171	5.171	0.000	94	129241	50.0	43.0	
39 cis-1,2-Dichloroethene	96	5.183	5.183	0.001	89	601036	50.0	45.5	
40 2-Butanone (MEK)	72	5.254	5.265	-0.011	98	189831	100.0	92.4	
45 Chlorobromomethane	128	5.478	5.478	0.000	90	288449	50.0	47.4	
46 Tetrahydrofuran	42	5.585	5.585	0.000	92	681599	100.0	96.1	
47 Chloroform	83	5.609	5.608	0.001	99	997128	50.0	47.0	
48 1,1,1-Trichloroethane	97	5.810	5.810	0.000	97	877485	50.0	48.2	
49 Cyclohexane	56	5.857	5.857	0.000	96	1165999	50.0	48.8	
51 Carbon tetrachloride	117	5.999	5.999	0.000	96	761344	50.0	48.0	
50 1,1-Dichloropropene	75	6.011	6.011	0.000	90	771025	50.0	48.1	
54 Benzene	78	6.248	6.247	0.001	97	2295571	50.0	48.0	
53 1,2-Dichloroethane	62	6.283	6.283	0.000	97	968498	50.0	47.7	
52 Isobutyl alcohol	41	6.295	6.307	-0.012	94	915103	1250.0	1258.3	
56 n-Heptane	100	6.614	6.614	0.000	98	117974	50.0	48.6	
58 Trichloroethene	130	6.993	6.993	0.000	96	570445	50.0	47.2	
60 Methylcyclohexane	83	7.194	7.194	0.000	97	895766	50.0	48.7	
61 1,2-Dichloropropane	63	7.230	7.230	0.000	95	637104	50.0	49.5	
63 Dibromomethane	93	7.348	7.348	0.000	95	354054	50.0	49.2	
64 1,4-Dioxane	88	7.431	7.431	0.000	96	113025	1000.0	986.6	
65 Dichlorobromomethane	83	7.537	7.537	0.000	98	758688	50.0	49.6	
67 2-Chloroethyl vinyl ether	63	7.892	7.892	0.000	90	969189	100.0	105.6	
68 cis-1,3-Dichloropropene	75	8.023	8.022	0.001	88	942627	50.0	52.0	
69 4-Methyl-2-pentanone (MIBK)	43	8.212	8.212	0.000	99	2199063	100.0	107.9	
70 Toluene	91	8.354	8.354	0.000	97	2415527	50.0	46.7	
71 trans-1,3-Dichloropropene	75	8.591	8.590	0.000	96	884841	50.0	51.3	
72 Ethyl methacrylate	69	8.721	8.721	0.000	95	858517	50.0	55.6	
73 1,1,2-Trichloroethane	97	8.768	8.768	0.000	95	516819	50.0	48.8	
75 Tetrachloroethene	164	8.910	8.910	0.000	97	413584	50.0	46.9	
74 1,3-Dichloropropane	76	8.934	8.934	0.000	96	915761	50.0	48.8	
76 2-Hexanone	43	9.052	9.052	0.000	98	1514096	100.0	106.1	
78 Chlorodibromomethane	129	9.158	9.158	0.000	90	557334	50.0	51.0	
80 Ethylene Dibromide	107	9.265	9.265	0.000	98	532489	50.0	49.0	
82 Chlorobenzene	112	9.762	9.762	0.000	91	1500153	50.0	47.2	
83 1,1,1,2-Tetrachloroethane	131	9.857	9.857	0.001	95	535757	50.0	48.7	
84 Ethylbenzene	106	9.880	9.880	0.000	98	844118	50.0	47.6	
85 m-Xylene & p-Xylene	106	9.999	9.999	0.001	97	1020994	50.0	48.1	
86 o-Xylene	106	10.389	10.389	0.000	98	1005356	50.0	47.1	
87 Styrene	104	10.401	10.401	0.000	95	1646904	50.0	51.5	
88 Bromoform	173	10.578	10.578	0.000	95	359509	50.0	54.5	
89 Isopropylbenzene	105	10.768	10.768	0.000	97	2499338	50.0	47.2	
93 Bromobenzene	156	11.052	11.052	0.000	97	590981	50.0	48.4	
92 1,1,2,2-Tetrachloroethane	83	11.064	11.063	0.001	95	726874	50.0	49.4	
95 1,2,3-Trichloropropane	110	11.099	11.099	0.000	90	237153	50.0	48.4	
94 trans-1,4-Dichloro-2-butene	53	11.123	11.123	0.000	84	315949	50.0	53.8	
96 N-Propylbenzene	120	11.170	11.170	0.000	99	687448	50.0	48.8	
97 2-Chlorotoluene	126	11.253	11.253	0.000	96	582519	50.0	48.5	
99 1,3,5-Trimethylbenzene	105	11.348	11.347	0.001	94	2033938	50.0	48.1	
100 4-Chlorotoluene	126	11.359	11.359	0.000	99	599892	50.0	49.0	
102 tert-Butylbenzene	119	11.667	11.667	0.000	95	1739577	50.0	48.7	
104 1,2,4-Trimethylbenzene	105	11.714	11.714	0.000	98	2140251	50.0	48.7	
105 sec-Butylbenzene	105	11.892	11.892	0.000	95	2412956	50.0	48.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	11.987	11.986	0.001	97	1090271	50.0	48.5	
107 4-Isopropyltoluene	119	12.034	12.034	0.000	97	2038494	50.0	48.4	
108 1,4-Dichlorobenzene	146	12.081	12.081	0.000	93	1109001	50.0	48.3	
111 n-Butylbenzene	91	12.448	12.448	0.000	98	1769695	50.0	48.6	
112 1,2-Dichlorobenzene	146	12.448	12.448	0.000	76	1044328	50.0	47.6	
113 1,2-Dibromo-3-Chloropropane	157	13.217	13.217	0.000	76	157886	50.0	51.1	
115 1,2,4-Trichlorobenzene	180	14.045	14.045	0.000	94	617880	50.0	47.6	
116 Hexachlorobutadiene	225	14.235	14.235	0.000	97	210164	50.0	48.6	
117 Naphthalene	128	14.282	14.282	0.000	98	2239571	50.0	48.9	
118 1,2,3-Trichlorobenzene	180	14.531	14.531	0.001	95	581521	50.0	48.2	
S 134 Trihalomethanes, Total	1				0		200.0	202.1	
S 158 Total BTEX	1				0		250.0	237.4	
S 131 1,2-Dichloroethene, Total	96				0			90.5	
S 132 1,3-Dichloropropene, Total	75				0			103.2	
S 133 Xylenes, Total	106				0		100.0	95.2	

QC Flag Legend

Processing Flags

Reagents:

VMRPRIMW_00542	Amount Added: 40.00	Units: uL	
VMRGAS_00487	Amount Added: 40.00	Units: uL	
VMAROLISTDW_00495	Amount Added: 40.00	Units: uL	
vm125UX21_SS_00007	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00024	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_IS_00050	Amount Added: 1.00	Units: uL	Run Reagent
vmDist_H2o_00237	Amount Added: 0.00	Units:	Run Reagent

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Data File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236435.D

Injection Date: 04-Aug-2023 18:44:30

Instrument ID: A3UX23

Operator ID:

Lims ID: ic

Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

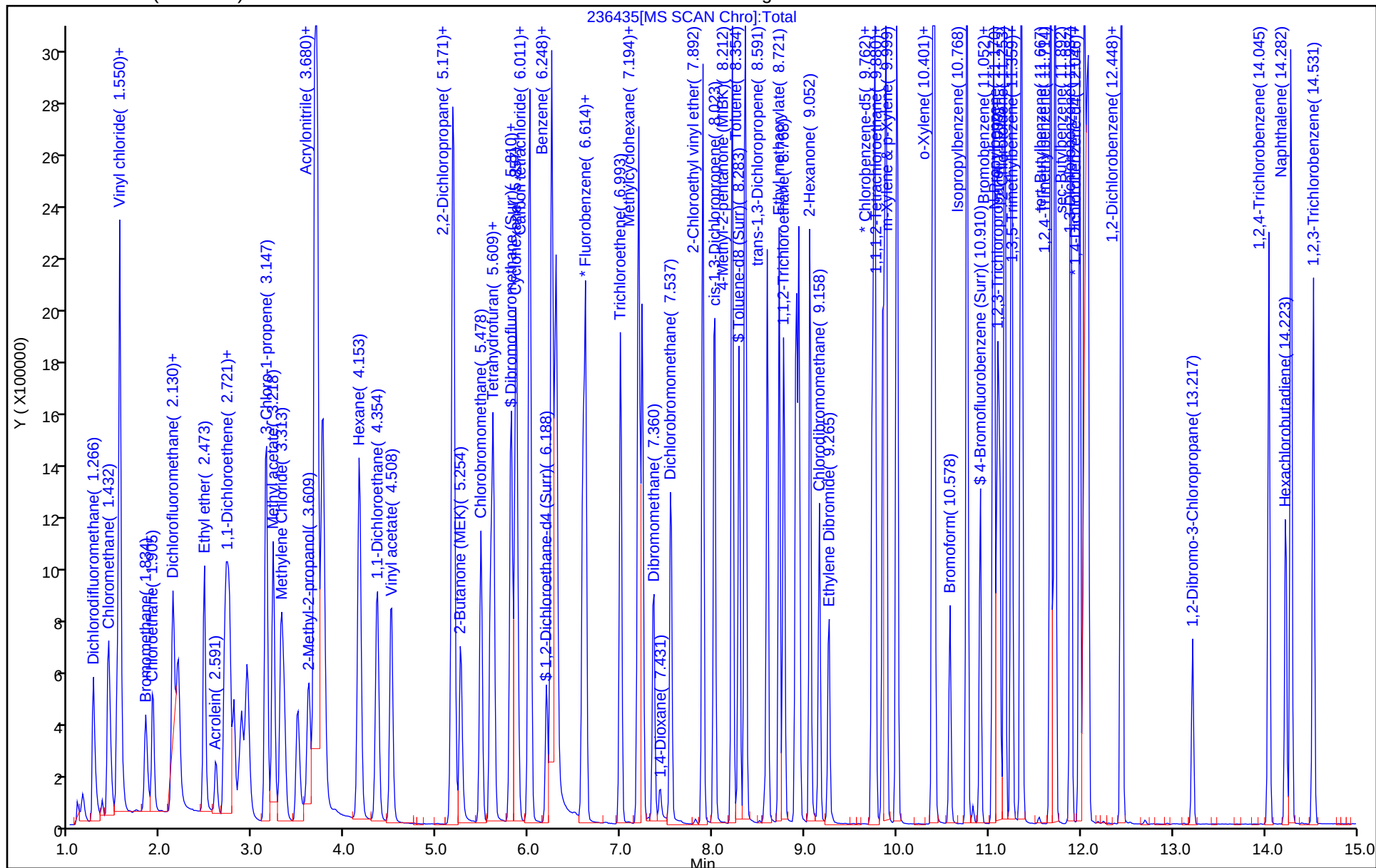
ALS Bottle#: 9

Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Lims ID: ic
 Client ID:
 Sample Type: IC Calib Level: 9
 Inject. Date: 04-Aug-2023 19:09:30 ALS Bottle#: 10 Worklist Smp#: 11
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0132136-011
 Operator ID: Instrument ID: A3UX23
 Sublist: chrom-8260_23*sub1
 Method: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 05-Aug-2023 12:38:57 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1647

First Level Reviewer: SE1B

Date: 05-Aug-2023 11:23:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	97	1149038	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.738	0.000	88	842010	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.058	12.057	0.001	97	389013	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.810	0.000	50	250968	25.0	24.9	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.188	6.188	0.000	97	366220	25.0	25.1	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	95	1022725	25.0	24.9	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	84	413442	25.0	25.2	
9 Dichlorodifluoromethane	85	1.266	1.266	0.000	99	884418	62.5	59.1	
10 Chloromethane	50	1.432	1.431	0.001	100	1326126	62.5	61.4	
11 Vinyl chloride	62	1.526	1.526	0.000	99	935879	62.5	62.4	
12 Butadiene	54	1.550	1.550	0.000	97	1181133	62.5	59.0	
13 Bromomethane	94	1.834	1.834	0.000	91	422511	62.5	51.4	
14 Chloroethane	64	1.917	1.917	0.000	97	522354	62.5	56.9	
15 Dichlorofluoromethane	67	2.130	2.130	0.000	99	1042988	62.5	60.7	
16 Trichlorofluoromethane	101	2.177	2.177	0.000	99	934196	62.5	62.5	
17 Ethyl ether	59	2.473	2.473	0.000	97	755958	62.5	60.3	
18 Acrolein	56	2.603	2.603	0.000	98	228636	312.5	290.0	
19 1,1-Dichloroethene	96	2.710	2.698	0.012	94	581209	62.5	58.9	
20 1,1,2-Trichloro-1,2,2-trifluoro	151	2.745	2.745	0.000	96	473260	62.5	58.1	
21 Acetone	58	2.792	2.792	0.000	98	209798	125.0	121.2	
23 Iodomethane	142	2.875	2.875	0.000	99	963996	62.5	61.3	
24 Carbon disulfide	76	2.934	2.934	0.000	99	1854849	62.5	60.9	
26 3-Chloro-1-propene	41	3.147	3.147	0.000	87	1718495	62.5	60.2	
27 Methyl acetate	43	3.218	3.218	0.000	100	2273864	125.0	124.8	
28 Methylene Chloride	84	3.313	3.313	0.000	95	722326	62.5	62.5	
29 2-Methyl-2-propanol	59	3.609	3.609	0.000	93	1020779	625.0	625.4	
30 Acrylonitrile	53	3.680	3.680	0.000	97	4847006	625.0	623.3	
32 trans-1,2-Dichloroethene	96	3.704	3.703	0.001	92	711557	62.5	58.4	
31 Methyl tert-butyl ether	73	3.763	3.763	0.000	97	2269080	62.5	61.9	
33 Hexane	57	4.153	4.165	-0.012	96	1149074	62.5	60.4	
34 1,1-Dichloroethane	63	4.354	4.354	0.000	97	1496440	62.5	62.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 Vinyl acetate	43	4.508	4.508	0.000	97	2135250	62.5	66.6	
41 2,2-Dichloropropane	97	5.171	5.171	0.000	92	169888	62.5	55.3	
39 cis-1,2-Dichloroethene	96	5.183	5.183	0.001	89	804620	62.5	59.5	
40 2-Butanone (MEK)	72	5.266	5.265	0.001	98	244742	125.0	116.3	
45 Chlorobromomethane	128	5.479	5.478	0.000	89	373591	62.5	60.0	
46 Tetrahydrofuran	42	5.585	5.585	0.000	92	895740	125.0	123.4	
47 Chloroform	83	5.609	5.608	0.001	99	1317085	62.5	60.6	
48 1,1,1-Trichloroethane	97	5.810	5.810	0.000	97	1154732	62.5	61.9	
49 Cyclohexane	56	5.857	5.857	0.000	96	1513744	62.5	61.9	
51 Carbon tetrachloride	117	5.999	5.999	0.000	96	999536	62.5	61.6	
50 1,1-Dichloropropene	75	6.011	6.011	0.000	89	1026647	62.5	62.5	
54 Benzene	78	6.248	6.247	0.001	98	3000618	62.5	61.3	
53 1,2-Dichloroethane	62	6.283	6.283	0.000	97	1259606	62.5	60.6	
52 Isobutyl alcohol	41	6.307	6.307	0.000	94	1103399	1562.5	1482.2	
56 n-Heptane	100	6.614	6.614	0.000	98	152092	62.5	61.2	
58 Trichloroethene	130	6.993	6.993	0.000	97	751326	62.5	60.7	
60 Methylcyclohexane	83	7.194	7.194	0.000	98	1143333	62.5	60.7	
61 1,2-Dichloropropane	63	7.230	7.230	0.000	94	834961	62.5	63.4	
63 Dibromomethane	93	7.348	7.348	0.000	96	460463	62.5	62.6	
64 1,4-Dioxane	88	7.431	7.431	0.000	97	144973	1250.0	1236.2	
65 Dichlorobromomethane	83	7.537	7.537	0.000	98	994466	62.5	63.5	
67 2-Chloroethyl vinyl ether	63	7.892	7.892	0.000	89	1235071	125.0	131.5	
68 cis-1,3-Dichloropropene	75	8.023	8.022	0.001	89	1211460	62.5	65.3	
69 4-Methyl-2-pentanone (MIBK)	43	8.212	8.212	0.000	99	2812771	125.0	134.8	
70 Toluene	91	8.354	8.354	0.000	97	3154797	62.5	60.7	
71 trans-1,3-Dichloropropene	75	8.591	8.590	0.001	97	1151495	62.5	66.5	
72 Ethyl methacrylate	69	8.721	8.721	0.000	94	1094639	62.5	70.7	
73 1,1,2-Trichloroethane	97	8.768	8.768	0.000	95	664699	62.5	62.5	
75 Tetrachloroethene	164	8.910	8.910	0.000	97	543058	62.5	61.4	
74 1,3-Dichloropropane	76	8.934	8.934	0.000	96	1180422	62.5	62.7	
76 2-Hexanone	43	9.052	9.052	0.000	98	1881092	125.0	131.3	
78 Chlorodibromomethane	129	9.159	9.158	0.001	90	722828	62.5	66.0	
80 Ethylene Dibromide	107	9.265	9.265	0.000	99	691943	62.5	63.5	
82 Chlorobenzene	112	9.762	9.762	0.000	91	1964341	62.5	61.5	
83 1,1,1,2-Tetrachloroethane	131	9.857	9.857	0.001	94	696544	62.5	63.1	
84 Ethylbenzene	106	9.880	9.880	0.000	98	1091235	62.5	61.3	
85 m-Xylene & p-Xylene	106	9.999	9.999	0.001	97	1339847	62.5	62.9	
86 o-Xylene	106	10.389	10.389	0.000	95	1330798	62.5	62.1	
87 Styrene	104	10.401	10.401	0.000	95	2150603	62.5	67.0	
88 Bromoform	173	10.578	10.578	0.000	95	461881	62.5	69.8	
89 Isopropylbenzene	105	10.768	10.768	0.000	97	3278255	62.5	61.7	
93 Bromobenzene	156	11.052	11.052	0.000	97	768440	62.5	63.8	
92 1,1,2,2-Tetrachloroethane	83	11.064	11.063	0.001	98	908668	62.5	62.6	
95 1,2,3-Trichloropropane	110	11.099	11.099	0.000	91	294882	62.5	61.0	
94 trans-1,4-Dichloro-2-butene	53	11.123	11.123	0.000	77	393624	62.5	67.9	
96 N-Propylbenzene	120	11.170	11.170	0.000	99	890968	62.5	64.1	
97 2-Chlorotoluene	126	11.253	11.253	0.000	96	763948	62.5	64.5	
99 1,3,5-Trimethylbenzene	105	11.348	11.347	0.001	94	2679733	62.5	64.2	
100 4-Chlorotoluene	126	11.359	11.359	0.000	99	770051	62.5	63.7	
102 tert-Butylbenzene	119	11.679	11.667	0.012	94	2272635	62.5	64.5	
104 1,2,4-Trimethylbenzene	105	11.726	11.714	0.012	98	2781894	62.5	64.1	
105 sec-Butylbenzene	105	11.892	11.892	0.000	95	3133760	62.5	64.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	11.987	11.986	0.001	97	1402962	62.5	63.2	
107 4-Isopropyltoluene	119	12.034	12.034	0.000	97	2693640	62.5	64.8	
108 1,4-Dichlorobenzene	146	12.081	12.081	0.000	93	1420961	62.5	62.7	
111 n-Butylbenzene	91	12.448	12.448	0.000	97	2292363	62.5	63.7	
112 1,2-Dichlorobenzene	146	12.448	12.448	0.000	76	1334918	62.5	61.7	
113 1,2-Dibromo-3-Chloropropane	157	13.217	13.217	0.000	77	197913	62.5	64.9	
115 1,2,4-Trichlorobenzene	180	14.046	14.045	0.001	94	784020	62.5	61.2	
116 Hexachlorobutadiene	225	14.235	14.235	0.000	97	270691	62.5	63.5	
117 Naphthalene	128	14.282	14.282	0.000	98	2776663	62.5	61.4	
118 1,2,3-Trichlorobenzene	180	14.531	14.531	0.001	95	724605	62.5	60.9	
S 134 Trihalomethanes, Total	1				0		250.0	259.9	
S 158 Total BTEX	1				0		312.5	308.4	
S 131 1,2-Dichloroethene, Total	96				0			117.8	
S 132 1,3-Dichloropropene, Total	75				0			131.7	
S 133 Xylenes, Total	106				0		125.0	125.0	

QC Flag Legend

Processing Flags

Reagents:

VMAROLISTDW_00495	Amount Added: 50.00	Units: uL	
VMRGAS_00487	Amount Added: 50.00	Units: uL	
VMRPRIMW_00542	Amount Added: 50.00	Units: uL	
vm125UX21_SS_00007	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00024	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_IS_00050	Amount Added: 1.00	Units: uL	Run Reagent
vmDist_H2o_00237	Amount Added: 0.00	Units:	Run Reagent

Report Date: 05-Aug-2023 12:38:57

Chrom Revision: 2.3 03-Aug-2023 16:11:04

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D

Injection Date: 04-Aug-2023 19:09:30

Instrument ID: A3UX23

Operator ID:

Lims ID: ic

Worklist Smp#: 11

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

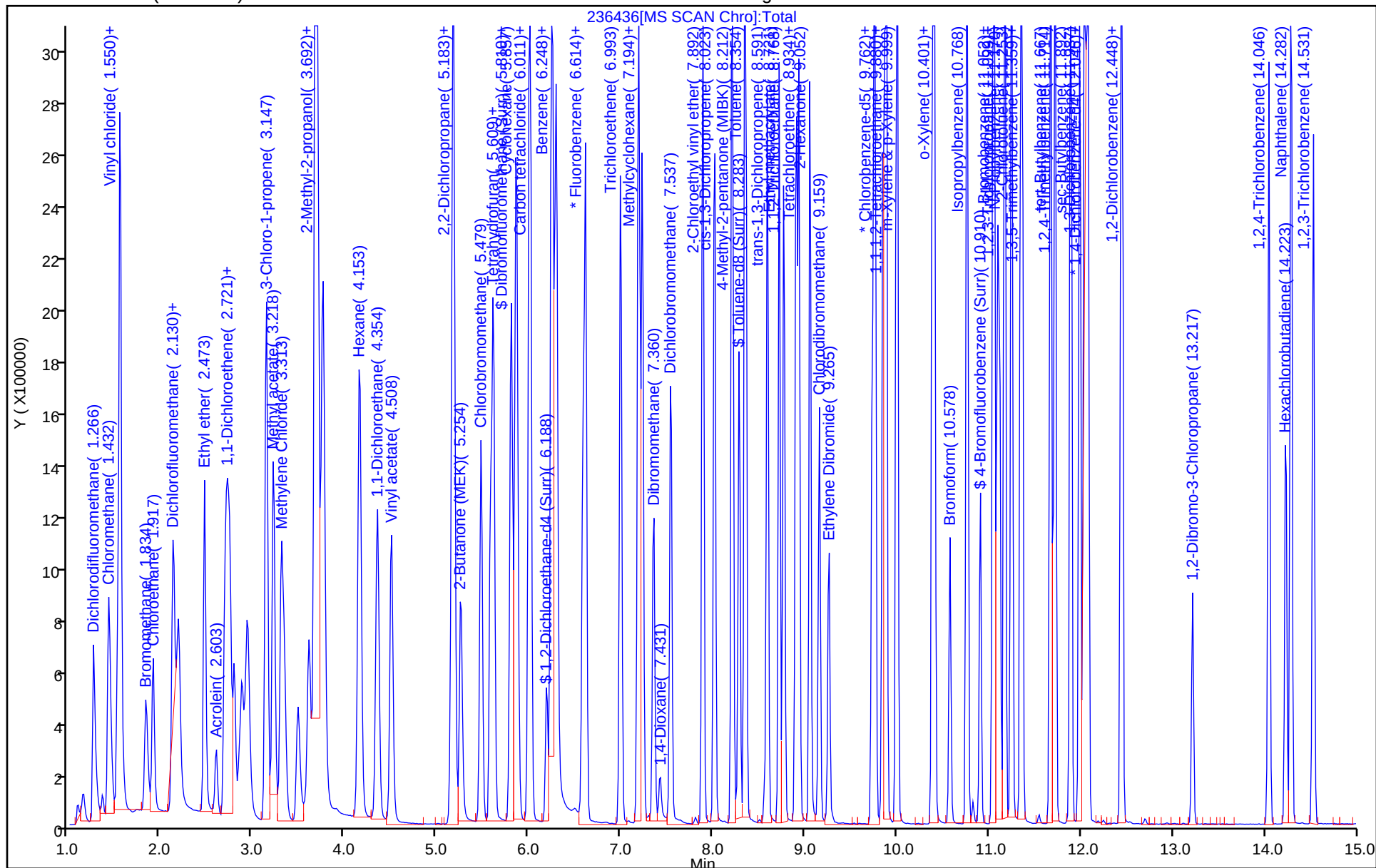
ALS Bottle#: 10

Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Calibration

/ Dichlorodifluoromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

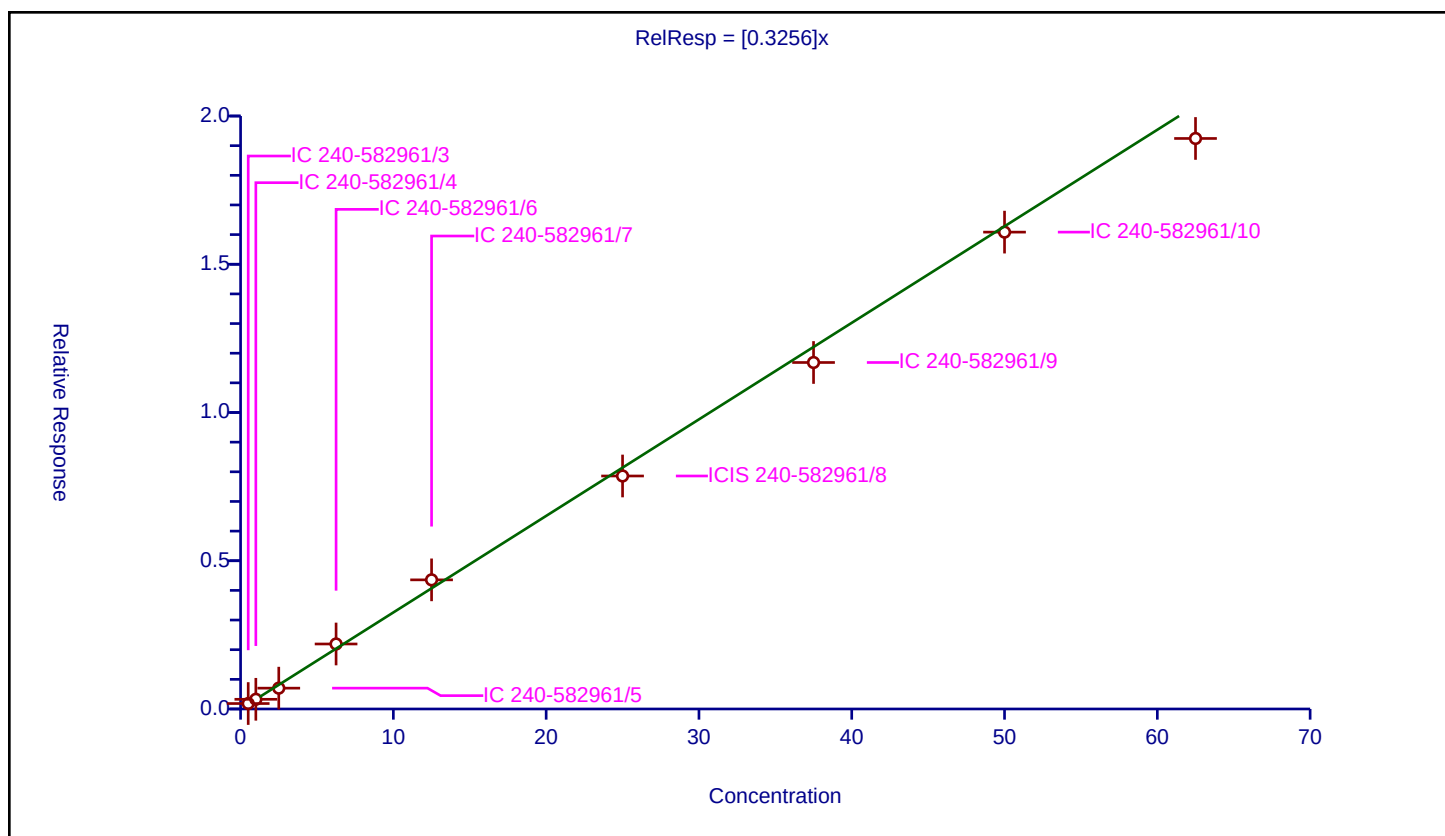
Curve Coefficients

Intercept: 0
Slope: 0.3256

Error Coefficients

Standard Error: 464000
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 240-582961/3	0.5	0.183709	25.0	1093033.0	0.367418	Y
2	IC 240-582961/4	1.0	0.326903	25.0	1111185.0	0.326903	Y
3	IC 240-582961/5	2.5	0.703276	25.0	1145567.0	0.28131	Y
4	IC 240-582961/6	6.25	2.192391	25.0	1119634.0	0.350782	Y
5	IC 240-582961/7	12.5	4.355863	25.0	918974.0	0.348469	Y
6	ICIS 240-582961/8	25.0	7.859092	25.0	1078248.0	0.314364	Y
7	IC 240-582961/9	37.5	11.686317	25.0	1104884.0	0.311635	Y
8	IC 240-582961/10	50.0	16.084309	25.0	1122507.0	0.321686	Y
9	IC 240-582961/11	62.5	19.242575	25.0	1149038.0	0.307881	Y



Calibration

/ Chloromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

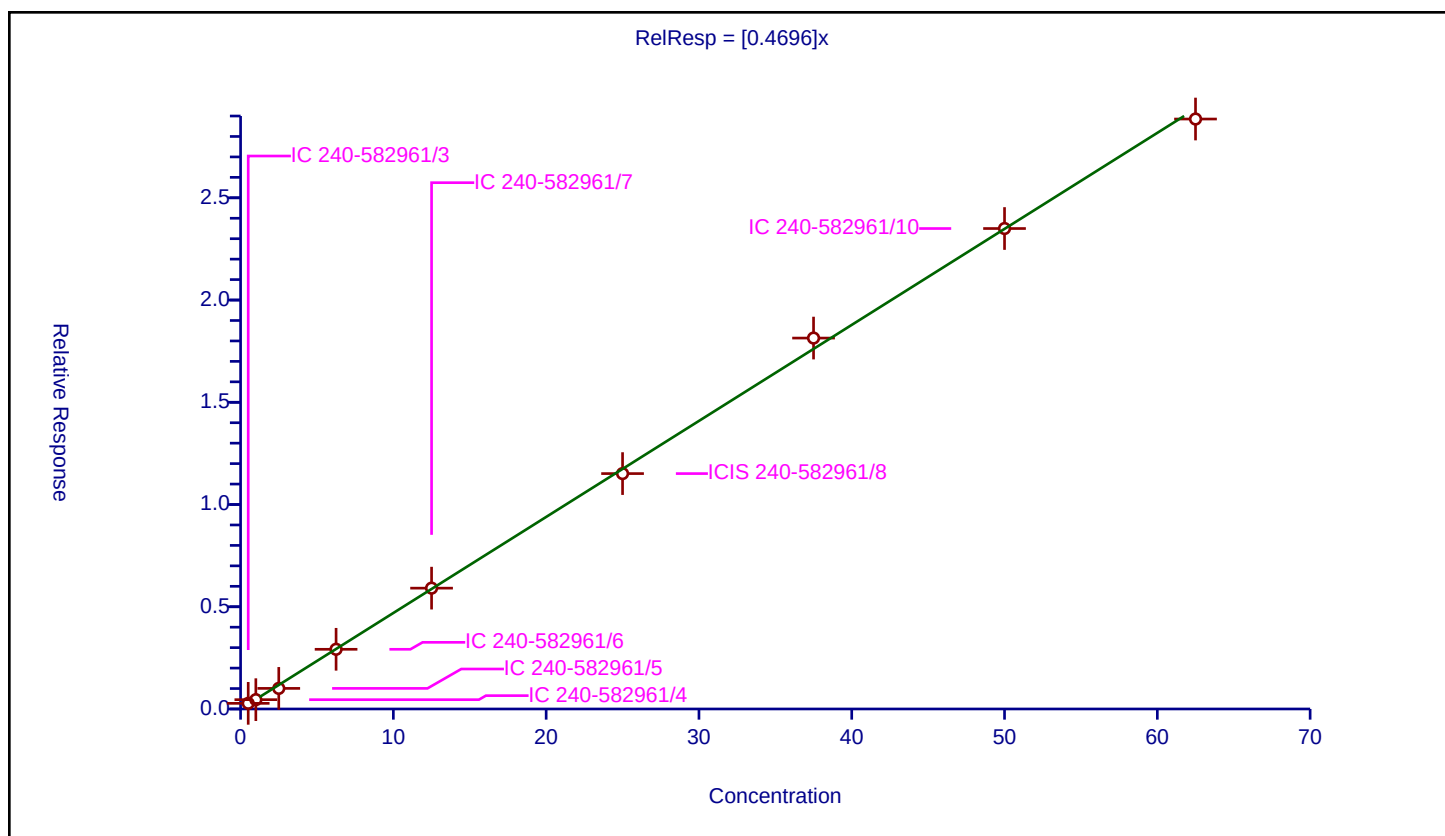
Curve Coefficients

Intercept: 0
Slope: 0.4696

Error Coefficients

Standard Error: 692000
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 240-582961/3	0.5	0.275861	25.0	1093033.0	0.551722	Y
2	IC 240-582961/4	1.0	0.455685	25.0	1111185.0	0.455685	Y
3	IC 240-582961/5	2.5	1.007885	25.0	1145567.0	0.403154	Y
4	IC 240-582961/6	6.25	2.919905	25.0	1119634.0	0.467185	Y
5	IC 240-582961/7	12.5	5.909797	25.0	918974.0	0.472784	Y
6	ICIS 240-582961/8	25.0	11.512658	25.0	1078248.0	0.460506	Y
7	IC 240-582961/9	37.5	18.140411	25.0	1104884.0	0.483744	Y
8	IC 240-582961/10	50.0	23.497604	25.0	1122507.0	0.469952	Y
9	IC 240-582961/11	62.5	28.852962	25.0	1149038.0	0.461647	Y



Calibration

/ Vinyl chloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

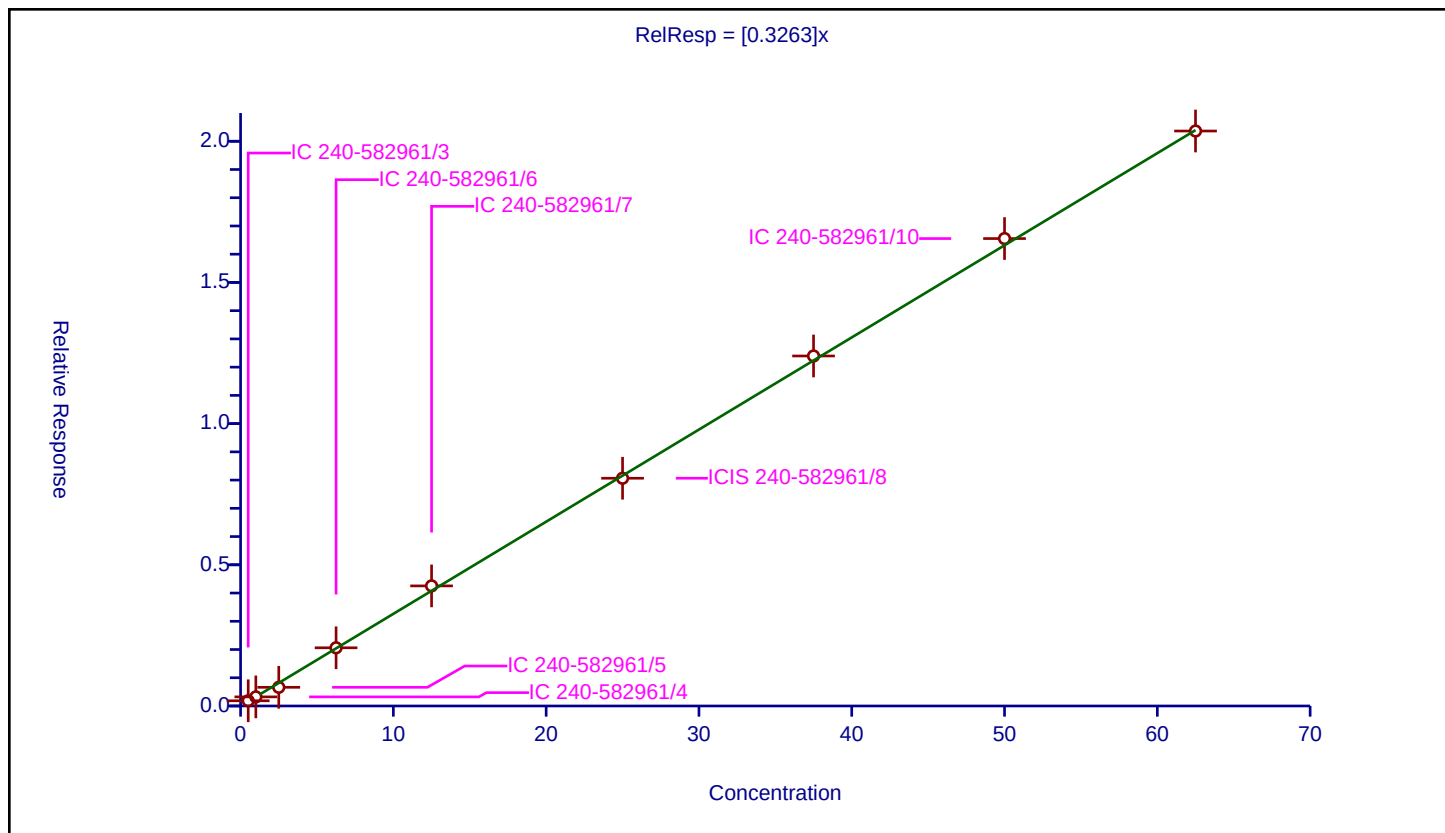
Curve Coefficients

Intercept: 0
Slope: 0.3263

Error Coefficients

Standard Error: 485000
Relative Standard Error: 8.4
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.18499	25.0	1093033.0	0.36998	Y
2	IC 240-582961/4	1.0	0.322314	25.0	1111185.0	0.322314	Y
3	IC 240-582961/5	2.5	0.661092	25.0	1145567.0	0.264437	Y
4	IC 240-582961/6	6.25	2.060941	25.0	1119634.0	0.329751	Y
5	IC 240-582961/7	12.5	4.252977	25.0	918974.0	0.340238	Y
6	ICIS 240-582961/8	25.0	8.06526	25.0	1078248.0	0.32261	Y
7	IC 240-582961/9	37.5	12.395487	25.0	1104884.0	0.330546	Y
8	IC 240-582961/10	50.0	16.553349	25.0	1122507.0	0.331067	Y
9	IC 240-582961/11	62.5	20.362229	25.0	1149038.0	0.325796	Y



Calibration

/ Butadiene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

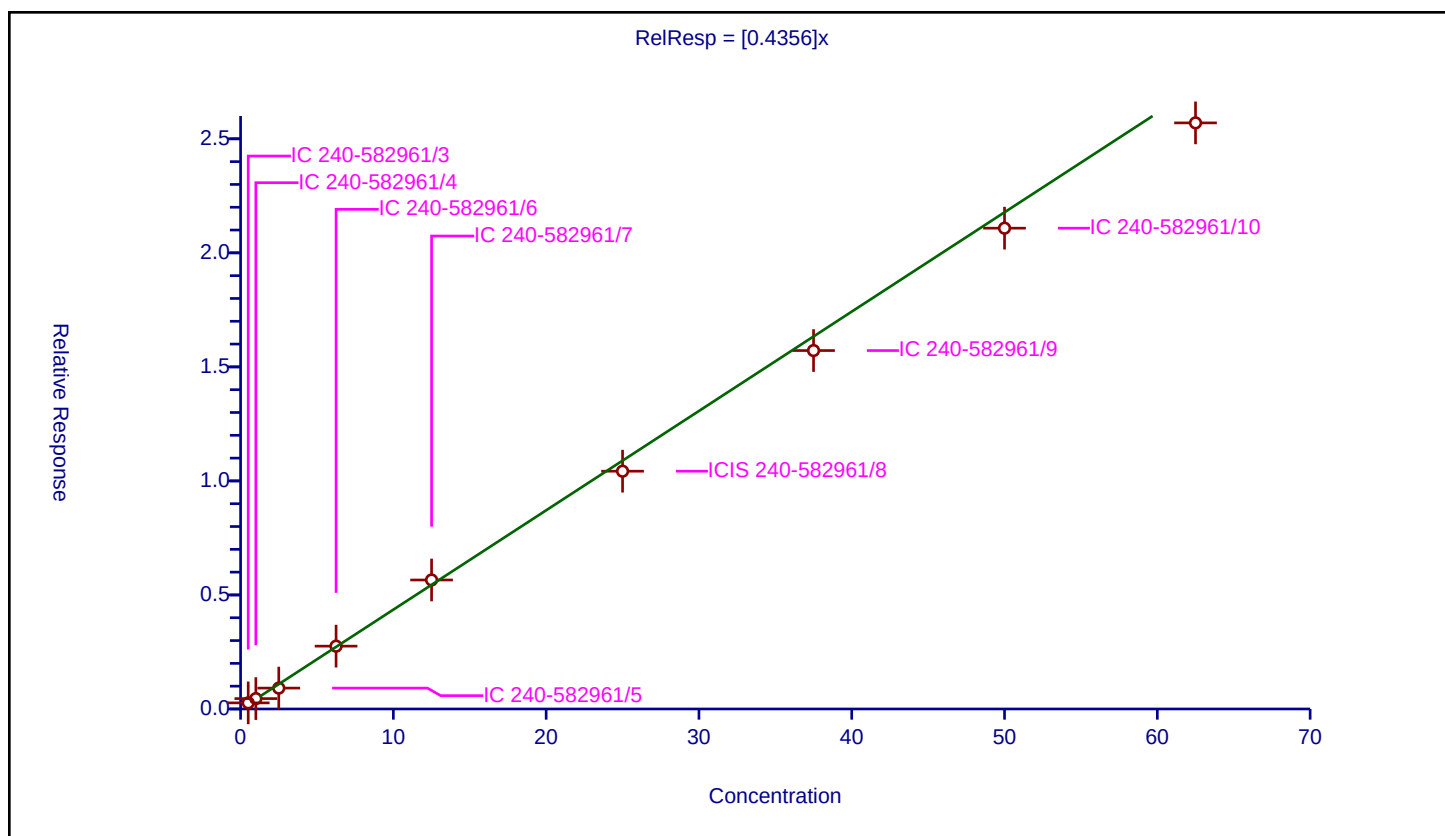
Curve Coefficients

Intercept: 0
Slope: 0.4356

Error Coefficients

Standard Error: 616000
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 240-582961/3	0.5	0.268176	25.0	1093033.0	0.536352	Y
2	IC 240-582961/4	1.0	0.455032	25.0	1111185.0	0.455032	Y
3	IC 240-582961/5	2.5	0.916206	25.0	1145567.0	0.366482	Y
4	IC 240-582961/6	6.25	2.755231	25.0	1119634.0	0.440837	Y
5	IC 240-582961/7	12.5	5.656471	25.0	918974.0	0.452518	Y
6	ICIS 240-582961/8	25.0	10.426335	25.0	1078248.0	0.417053	Y
7	IC 240-582961/9	37.5	15.716175	25.0	1104884.0	0.419098	Y
8	IC 240-582961/10	50.0	21.08165	25.0	1122507.0	0.421633	Y
9	IC 240-582961/11	62.5	25.698302	25.0	1149038.0	0.411173	Y



Calibration

/ Bromomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

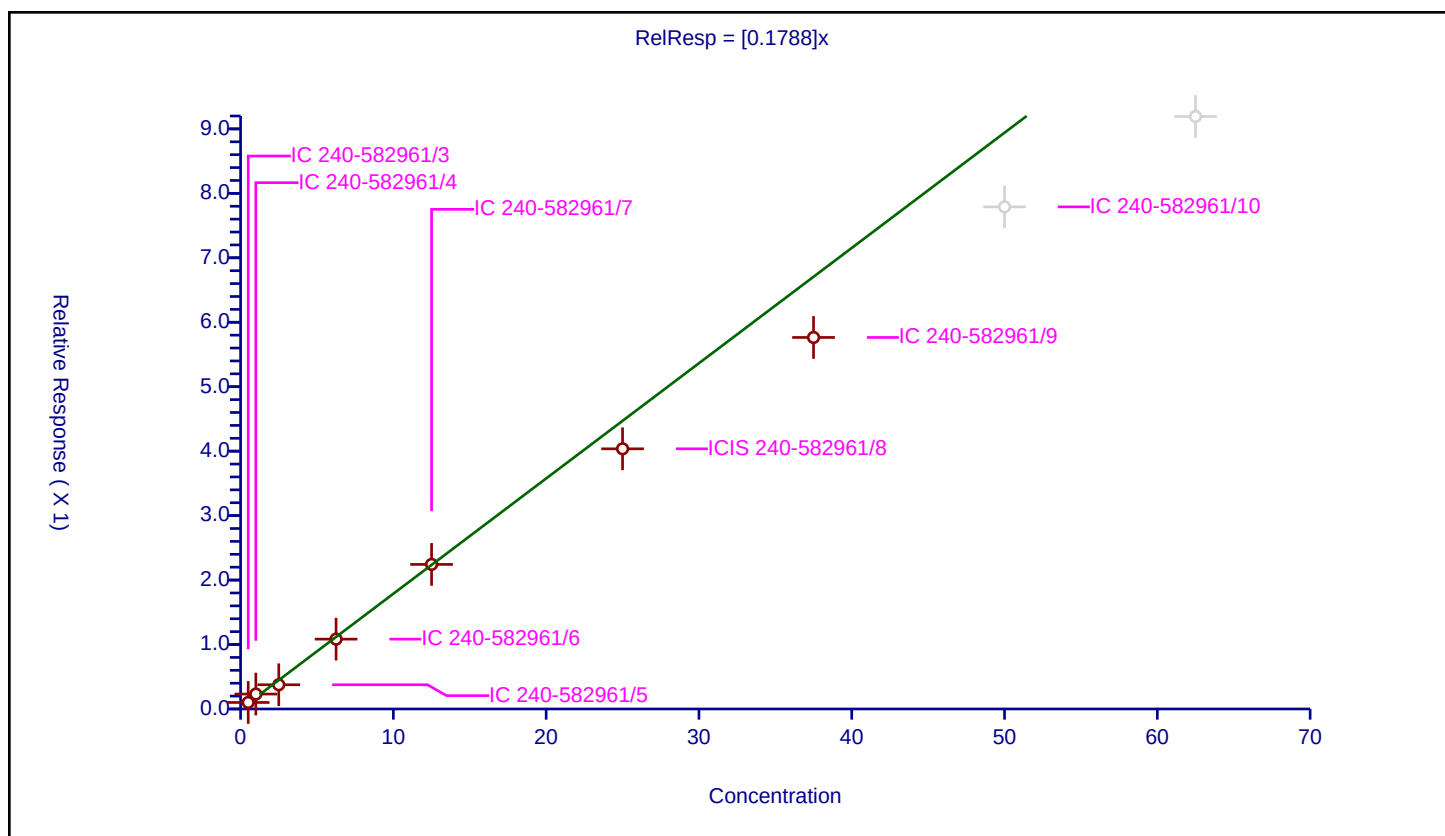
Curve Coefficients

Intercept: 0
 Slope: 0.1788

Error Coefficients

Standard Error: 132000
 Relative Standard Error: 16.2
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.958

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.100958	25.0	1093033.0	0.201915	Y
2	IC 240-582961/4	1.0	0.231375	25.0	1111185.0	0.231375	Y
3	IC 240-582961/5	2.5	0.376058	25.0	1145567.0	0.150423	Y
4	IC 240-582961/6	6.25	1.083769	25.0	1119634.0	0.173403	Y
5	IC 240-582961/7	12.5	2.243181	25.0	918974.0	0.179454	Y
6	ICIS 240-582961/8	25.0	4.036687	25.0	1078248.0	0.161467	Y
7	IC 240-582961/9	37.5	5.76418	25.0	1104884.0	0.153711	Y
8	IC 240-582961/10	50.0	7.790486	25.0	1122507.0	0.15581	N
9	IC 240-582961/11	62.5	9.192712	25.0	1149038.0	0.147083	N



Calibration

/ Chloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

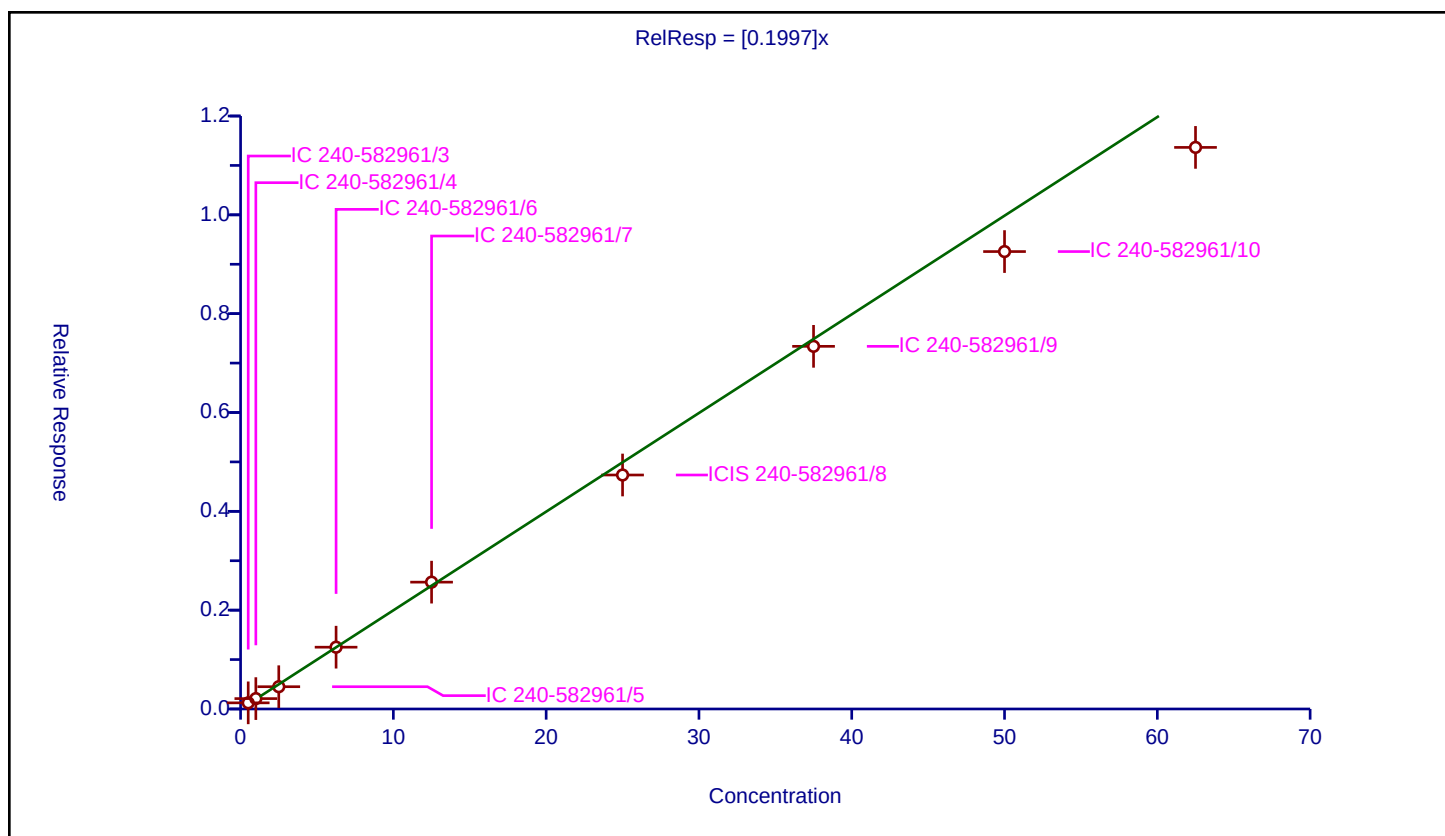
Curve Coefficients

Intercept: 0
Slope: 0.1997

Error Coefficients

Standard Error: 275000
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 240-582961/3	0.5	0.124287	25.0	1093033.0	0.248574	Y
2	IC 240-582961/4	1.0	0.210384	25.0	1111185.0	0.210384	Y
3	IC 240-582961/5	2.5	0.450999	25.0	1145567.0	0.1804	Y
4	IC 240-582961/6	6.25	1.250632	25.0	1119634.0	0.200101	Y
5	IC 240-582961/7	12.5	2.566667	25.0	918974.0	0.205333	Y
6	ICIS 240-582961/8	25.0	4.735158	25.0	1078248.0	0.189406	Y
7	IC 240-582961/9	37.5	7.339051	25.0	1104884.0	0.195708	Y
8	IC 240-582961/10	50.0	9.25698	25.0	1122507.0	0.18514	Y
9	IC 240-582961/11	62.5	11.365029	25.0	1149038.0	0.18184	Y



Calibration

/ Dichlorofluoromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

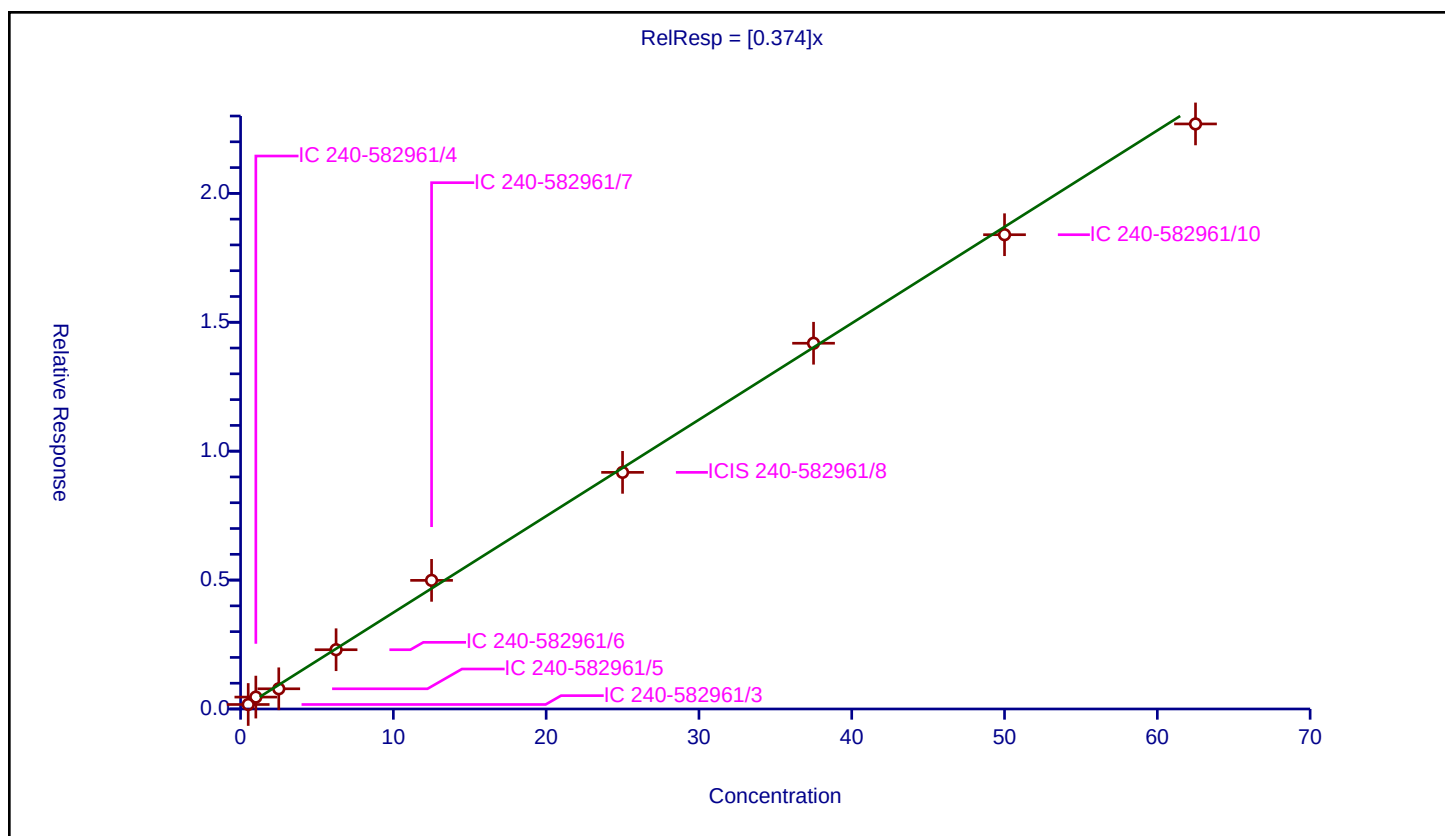
Curve Coefficients

Intercept: 0
Slope: 0.374

Error Coefficients

Standard Error: 544000
Relative Standard Error: 10.7
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.173805	25.0	1093033.0	0.347611	Y
2	IC 240-582961/4	1.0	0.461512	25.0	1111185.0	0.461512	Y
3	IC 240-582961/5	2.5	0.783935	25.0	1145567.0	0.313574	Y
4	IC 240-582961/6	6.25	2.298564	25.0	1119634.0	0.36777	Y
5	IC 240-582961/7	12.5	4.98945	25.0	918974.0	0.399156	Y
6	ICIS 240-582961/8	25.0	9.177666	25.0	1078248.0	0.367107	Y
7	IC 240-582961/9	37.5	14.186444	25.0	1104884.0	0.378305	Y
8	IC 240-582961/10	50.0	18.395899	25.0	1122507.0	0.367918	Y
9	IC 240-582961/11	62.5	22.692635	25.0	1149038.0	0.363082	Y



Calibration

/ Trichlorofluoromethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

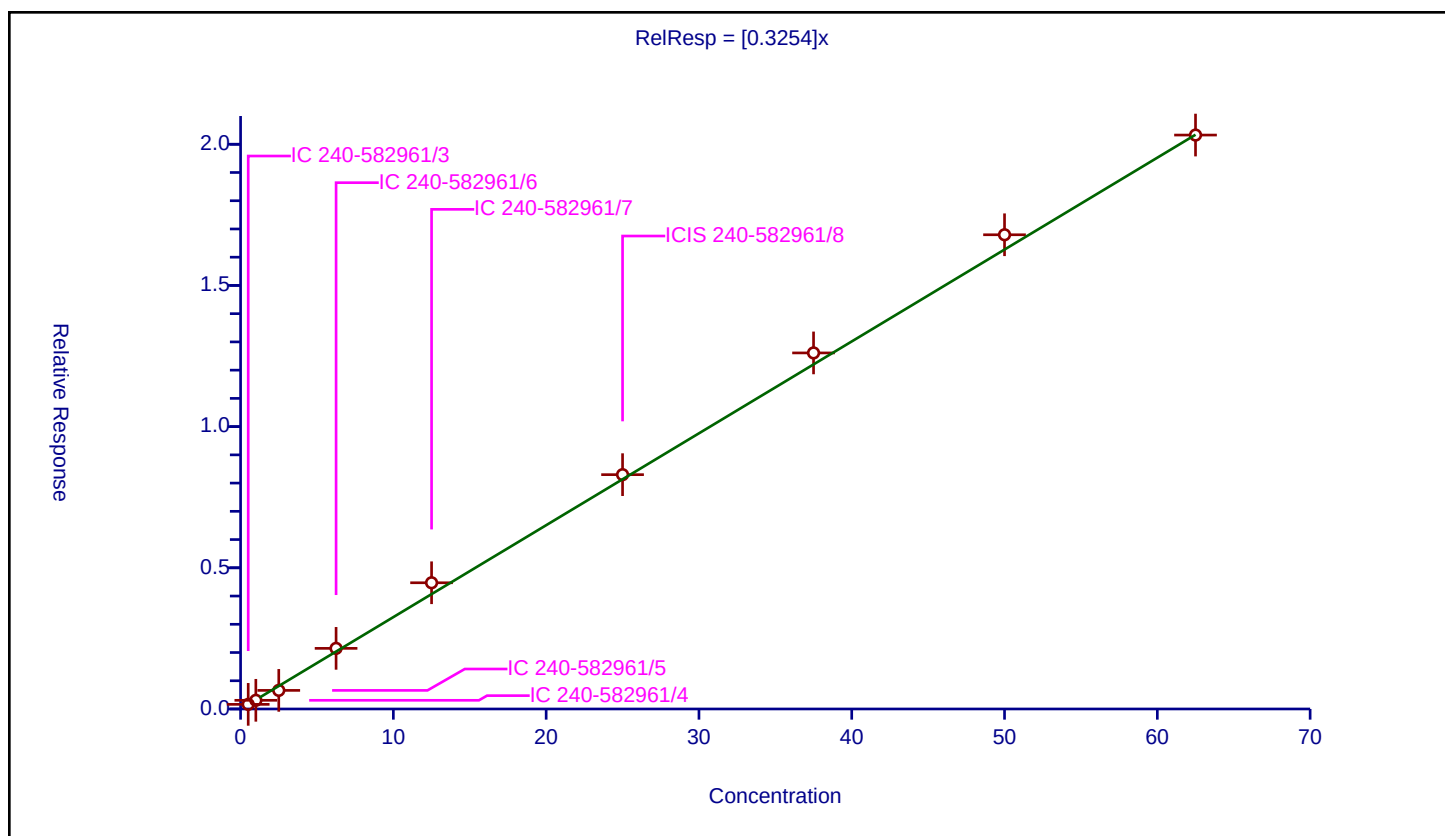
Curve Coefficients

Intercept: 0
Slope: 0.3254

Error Coefficients

Standard Error: 490000
Relative Standard Error: 8.3
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.163833	25.0	1093033.0	0.327666	Y
2	IC 240-582961/4	1.0	0.307105	25.0	1111185.0	0.307105	Y
3	IC 240-582961/5	2.5	0.658648	25.0	1145567.0	0.263459	Y
4	IC 240-582961/6	6.25	2.147019	25.0	1119634.0	0.343523	Y
5	IC 240-582961/7	12.5	4.470094	25.0	918974.0	0.357608	Y
6	ICIS 240-582961/8	25.0	8.298508	25.0	1078248.0	0.33194	Y
7	IC 240-582961/9	37.5	12.609944	25.0	1104884.0	0.336265	Y
8	IC 240-582961/10	50.0	16.795018	25.0	1122507.0	0.3359	Y
9	IC 240-582961/11	62.5	20.325612	25.0	1149038.0	0.32521	Y



Calibration

/ Ethyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

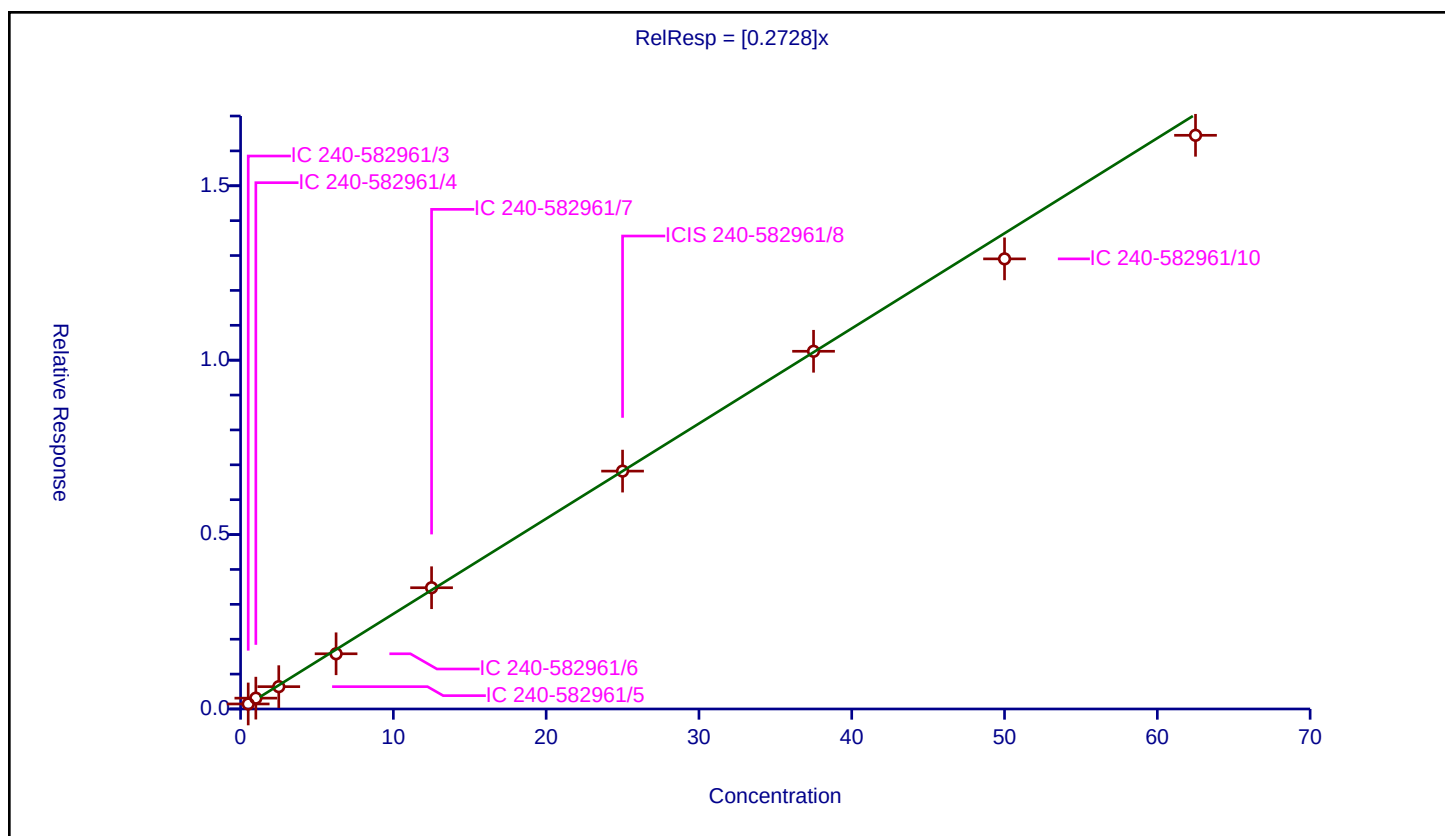
Curve Coefficients

Intercept: 0
Slope: 0.2728

Error Coefficients

Standard Error: 391000
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 240-582961/3	0.5	0.144369	25.0	1093033.0	0.288738	Y
2	IC 240-582961/4	1.0	0.311019	25.0	1111185.0	0.311019	Y
3	IC 240-582961/5	2.5	0.640447	25.0	1145567.0	0.256179	Y
4	IC 240-582961/6	6.25	1.582749	25.0	1119634.0	0.25324	Y
5	IC 240-582961/7	12.5	3.476268	25.0	918974.0	0.278101	Y
6	ICIS 240-582961/8	25.0	6.819674	25.0	1078248.0	0.272787	Y
7	IC 240-582961/9	37.5	10.25542	25.0	1104884.0	0.273478	Y
8	IC 240-582961/10	50.0	12.904552	25.0	1122507.0	0.258091	Y
9	IC 240-582961/11	62.5	16.447628	25.0	1149038.0	0.263162	Y



Calibration

/ Acrolein

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

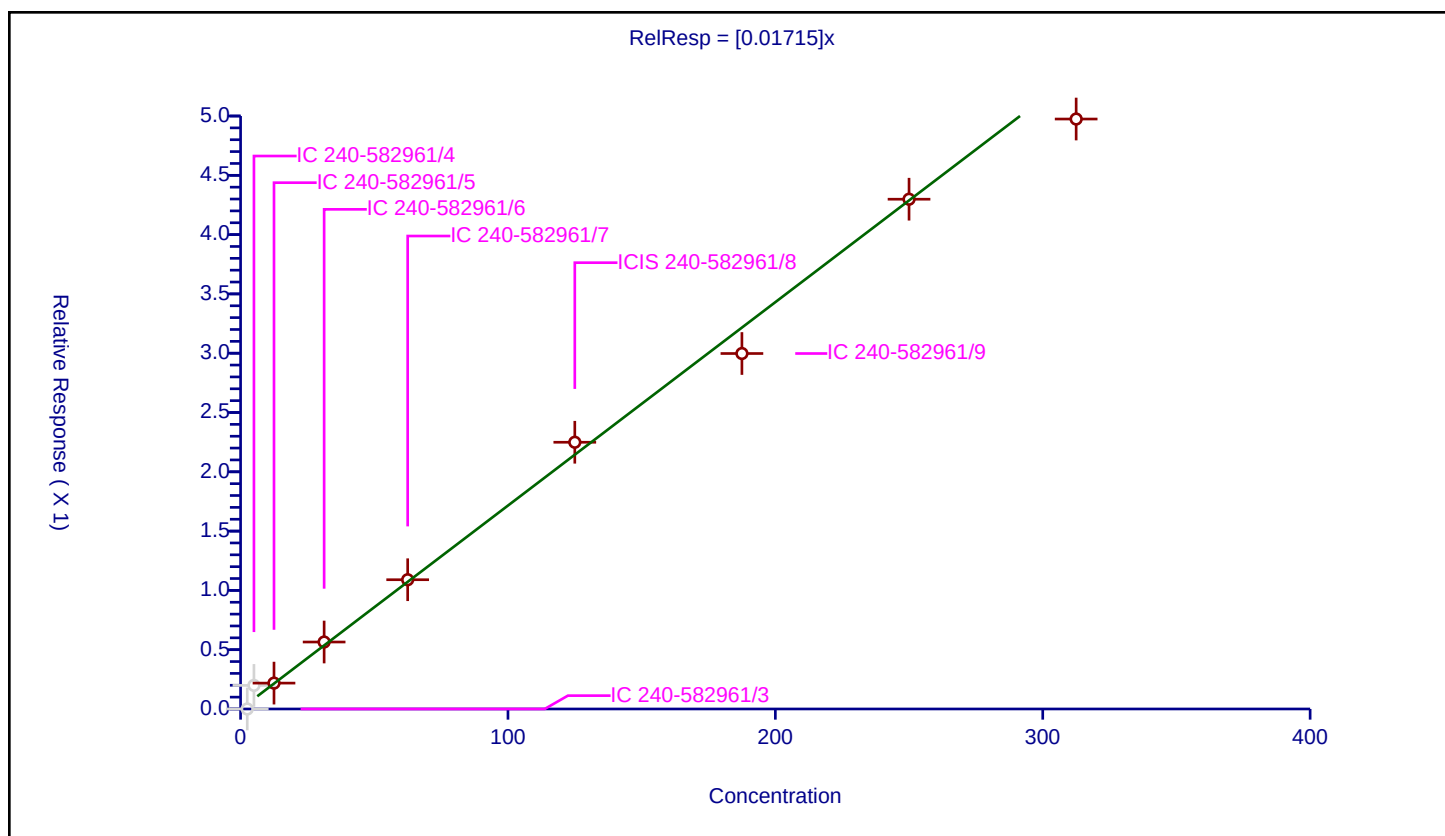
Curve Coefficients

Intercept: 0
Slope: 0.01715

Error Coefficients

Standard Error: 141000
Relative Standard Error: 5.1
Correlation Coefficient: 0.996
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	2.5	0.0	25.0	1093033.0	0.0	N
2	IC 240-582961/4	5.0	0.198864	25.0	1111185.0	0.039773	N
3	IC 240-582961/5	12.5	0.218276	25.0	1145567.0	0.017462	Y
4	IC 240-582961/6	31.25	0.564783	25.0	1119634.0	0.018073	Y
5	IC 240-582961/7	62.5	1.089993	25.0	918974.0	0.01744	Y
6	ICIS 240-582961/8	125.0	2.249135	25.0	1078248.0	0.017993	Y
7	IC 240-582961/9	187.5	2.997328	25.0	1104884.0	0.015986	Y
8	IC 240-582961/10	250.0	4.298392	25.0	1122507.0	0.017194	Y
9	IC 240-582961/11	312.5	4.974509	25.0	1149038.0	0.015918	Y



Calibration

/ 1,1-Dichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

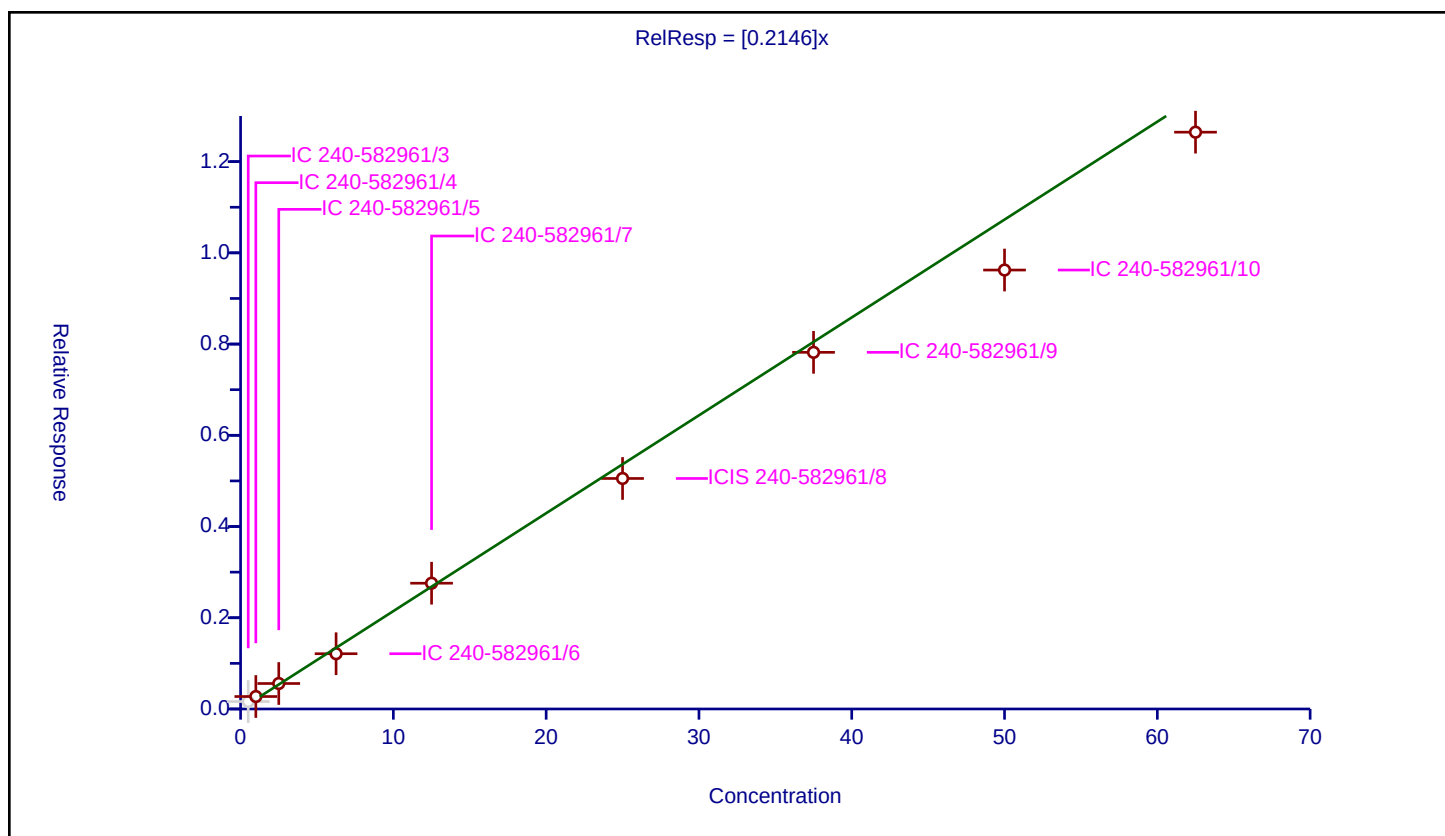
Curve Coefficients

Intercept: 0
Slope: 0.2146

Error Coefficients

Standard Error: 317000
Relative Standard Error: 12.2
Correlation Coefficient: 0.997
Coefficient of Determination (Adjusted): 0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.163399	25.0	1093033.0	0.326797	N
2	IC 240-582961/4	1.0	0.273357	25.0	1111185.0	0.273357	Y
3	IC 240-582961/5	2.5	0.558566	25.0	1145567.0	0.223426	Y
4	IC 240-582961/6	6.25	1.211512	25.0	1119634.0	0.193842	Y
5	IC 240-582961/7	12.5	2.757668	25.0	918974.0	0.220613	Y
6	ICIS 240-582961/8	25.0	5.05387	25.0	1078248.0	0.202155	Y
7	IC 240-582961/9	37.5	7.818875	25.0	1104884.0	0.208503	Y
8	IC 240-582961/10	50.0	9.623392	25.0	1122507.0	0.192468	Y
9	IC 240-582961/11	62.5	12.645557	25.0	1149038.0	0.202329	Y



Calibration

/ 1,1,2-Trichloro-1,2,2-trifluoroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

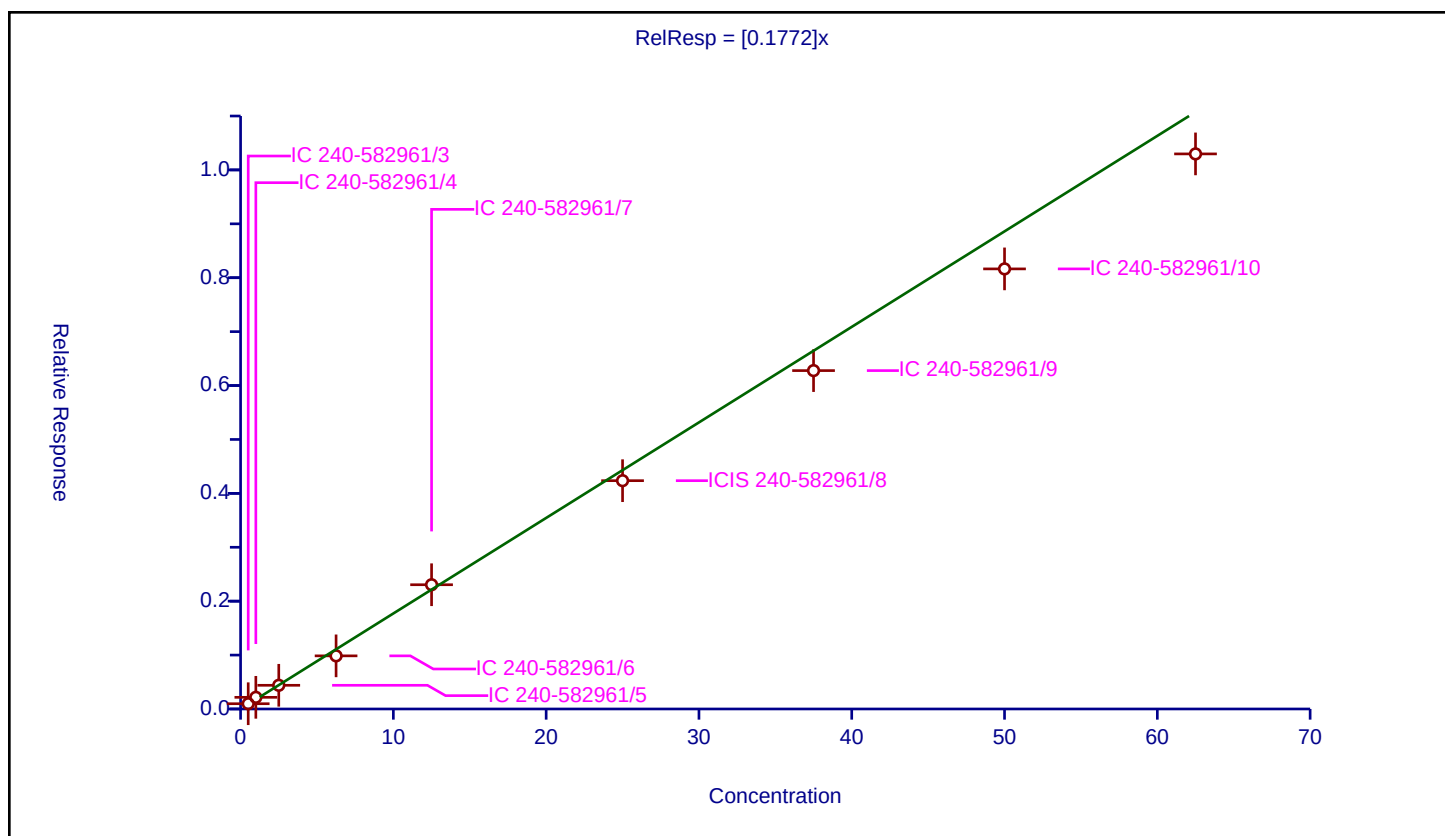
Curve Coefficients

Intercept: 0
Slope: 0.1772

Error Coefficients

Standard Error: 245000
Relative Standard Error: 10.6
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.097893	25.0	1093033.0	0.195785	Y
2	IC 240-582961/4	1.0	0.216211	25.0	1111185.0	0.216211	Y
3	IC 240-582961/5	2.5	0.439695	25.0	1145567.0	0.175878	Y
4	IC 240-582961/6	6.25	0.985456	25.0	1119634.0	0.157673	Y
5	IC 240-582961/7	12.5	2.305179	25.0	918974.0	0.184414	Y
6	ICIS 240-582961/8	25.0	4.235412	25.0	1078248.0	0.169416	Y
7	IC 240-582961/9	37.5	6.277243	25.0	1104884.0	0.167393	Y
8	IC 240-582961/10	50.0	8.163891	25.0	1122507.0	0.163278	Y
9	IC 240-582961/11	62.5	10.296874	25.0	1149038.0	0.16475	Y



Calibration

/ Acetone

Curve Type: Linear
 Weighting: Conc
 Origin: None
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

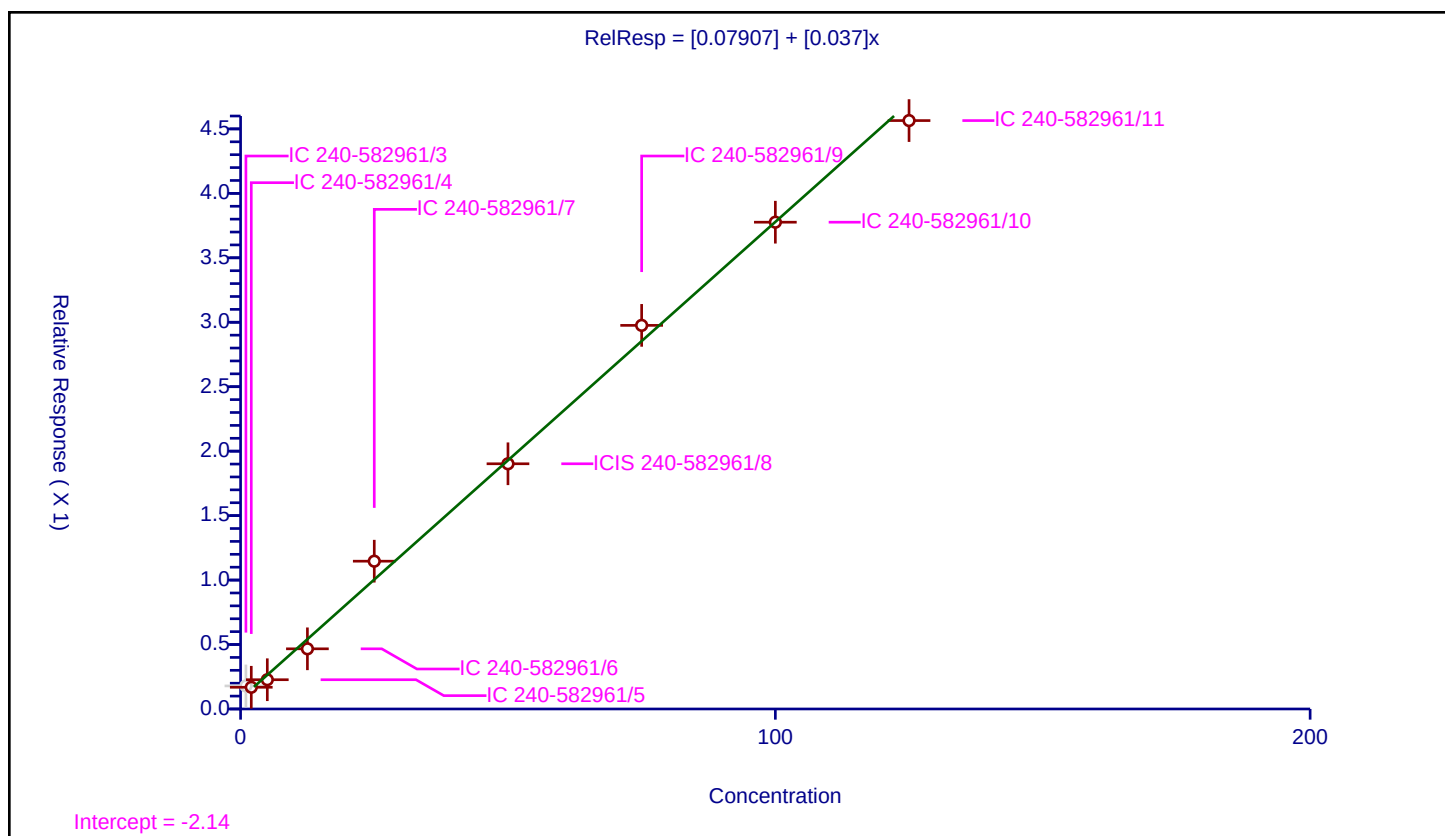
Curve Coefficients

Intercept: 0.07907
 Slope: 0.037

Error Coefficients

Standard Error: 129000
 Relative Standard Error: 15.1
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	1.0	0.178837	25.0	1093033.0	0.178837	N
2	IC 240-582961/4	2.0	0.168536	25.0	1111185.0	0.084268	Y
3	IC 240-582961/5	5.0	0.226962	25.0	1145567.0	0.045392	Y
4	IC 240-582961/6	12.5	0.466782	25.0	1119634.0	0.037343	Y
5	IC 240-582961/7	25.0	1.14655	25.0	918974.0	0.045862	Y
6	ICIS 240-582961/8	50.0	1.902206	25.0	1078248.0	0.038044	Y
7	IC 240-582961/9	75.0	2.975855	25.0	1104884.0	0.039678	Y
8	IC 240-582961/10	100.0	3.77619	25.0	1122507.0	0.037762	Y
9	IC 240-582961/11	125.0	4.564645	25.0	1149038.0	0.036517	Y



Calibration

/ Iodomethane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

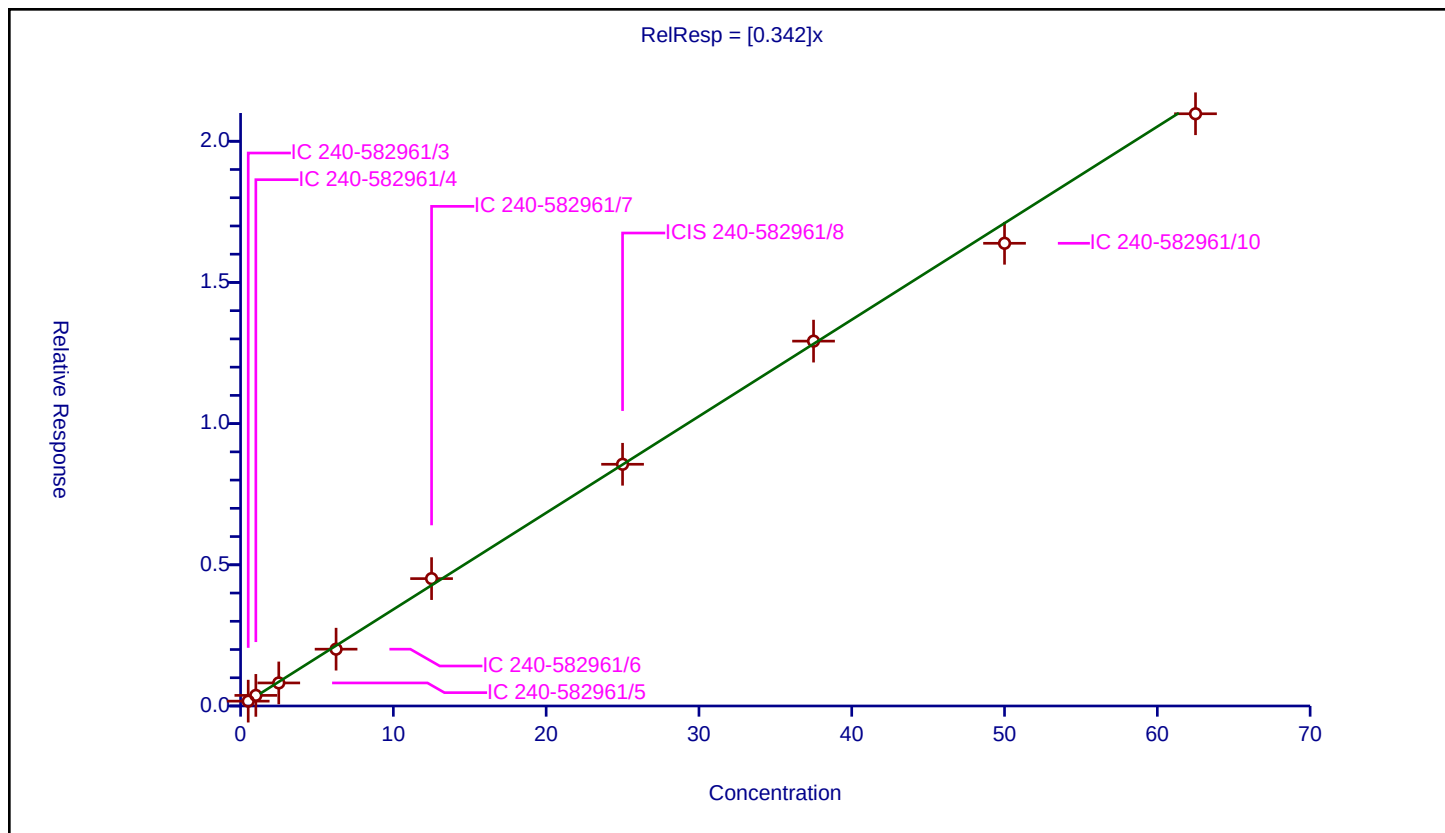
Curve Coefficients

Intercept: 0
 Slope: 0.342

Error Coefficients

Standard Error: 496000
 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 240-582961/3	0.5	0.171541	25.0	1093033.0	0.343082	Y
2	IC 240-582961/4	1.0	0.375005	25.0	1111185.0	0.375005	Y
3	IC 240-582961/5	2.5	0.816648	25.0	1145567.0	0.326659	Y
4	IC 240-582961/6	6.25	2.011974	25.0	1119634.0	0.321916	Y
5	IC 240-582961/7	12.5	4.510628	25.0	918974.0	0.36085	Y
6	ICIS 240-582961/8	25.0	8.560809	25.0	1078248.0	0.342432	Y
7	IC 240-582961/9	37.5	12.921628	25.0	1104884.0	0.344577	Y
8	IC 240-582961/10	50.0	16.386201	25.0	1122507.0	0.327724	Y
9	IC 240-582961/11	62.5	20.97398	25.0	1149038.0	0.335584	Y



Calibration

/ Carbon disulfide

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

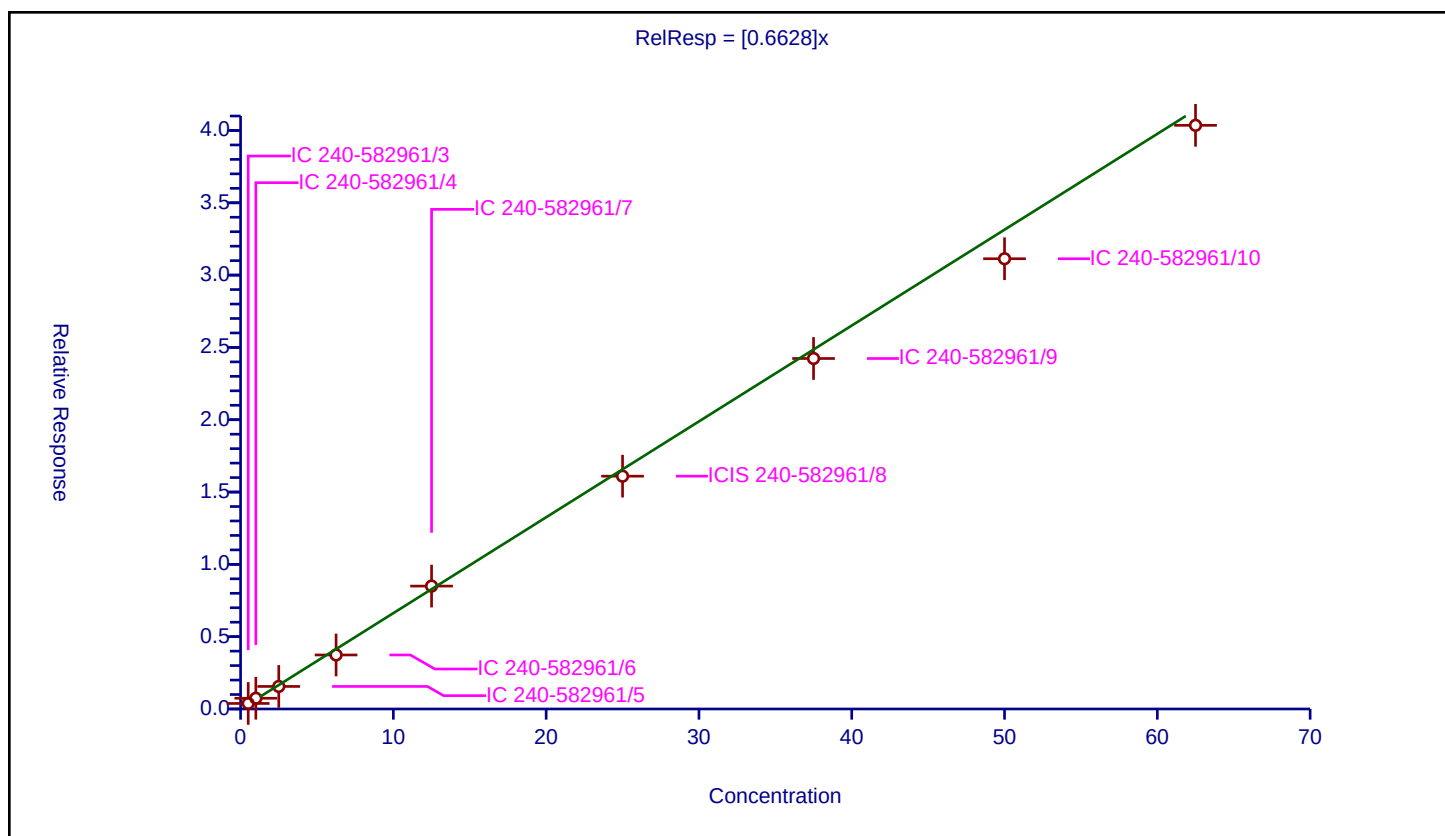
Curve Coefficients

Intercept: 0
 Slope: 0.6628

Error Coefficients

Standard Error: 946000
 Relative Standard Error: 8.4
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.381713	25.0	1093033.0	0.763426	Y
2	IC 240-582961/4	1.0	0.742316	25.0	1111185.0	0.742316	Y
3	IC 240-582961/5	2.5	1.55866	25.0	1145567.0	0.623464	Y
4	IC 240-582961/6	6.25	3.734234	25.0	1119634.0	0.597477	Y
5	IC 240-582961/7	12.5	8.497983	25.0	918974.0	0.679839	Y
6	ICIS 240-582961/8	25.0	16.097479	25.0	1078248.0	0.643899	Y
7	IC 240-582961/9	37.5	24.23449	25.0	1104884.0	0.646253	Y
8	IC 240-582961/10	50.0	31.131743	25.0	1122507.0	0.622635	Y
9	IC 240-582961/11	62.5	40.356563	25.0	1149038.0	0.645705	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

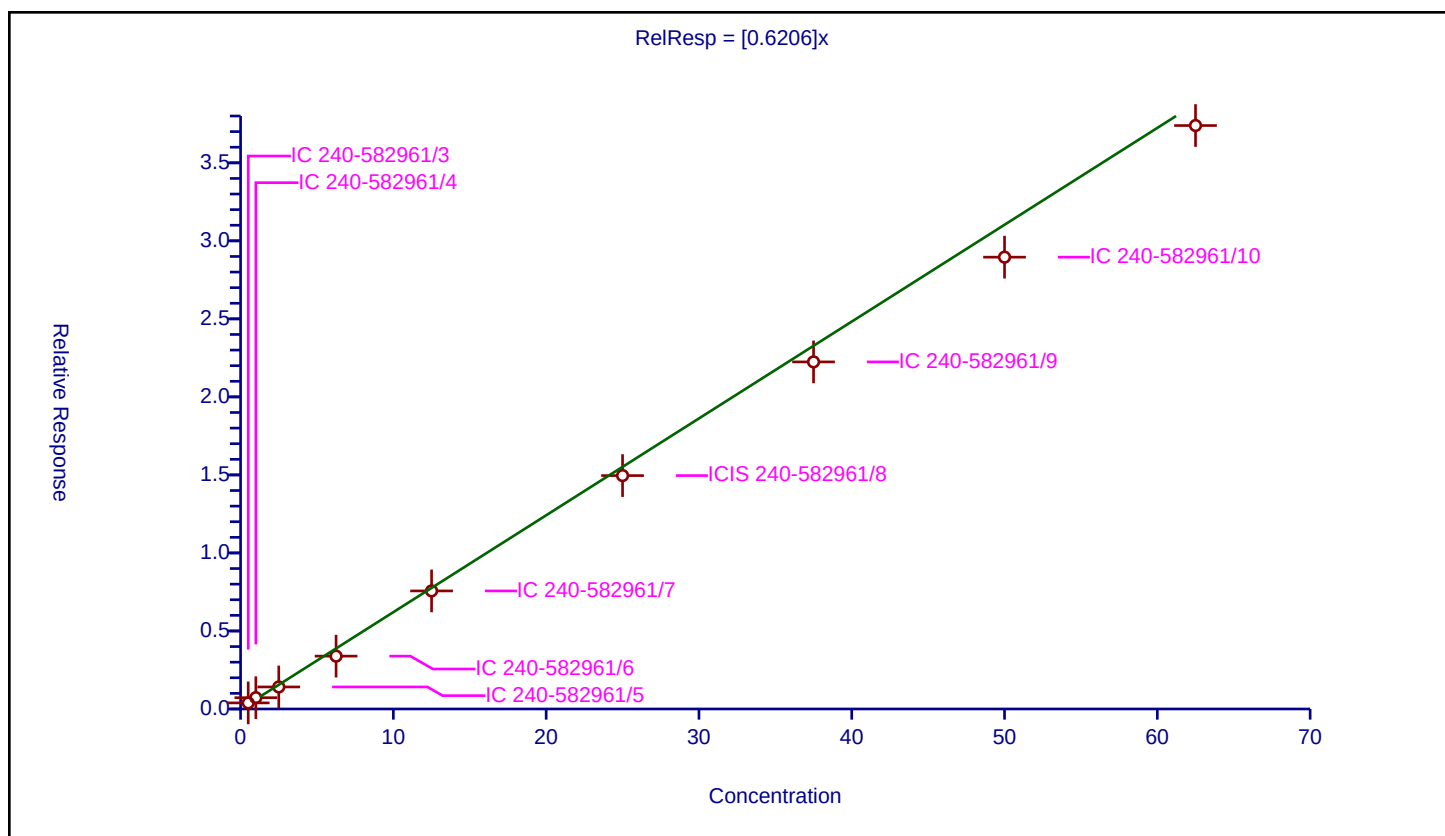
Curve Coefficients

Intercept: 0
Slope: 0.6206

Error Coefficients

Standard Error: 875000
Relative Standard Error: 12.6
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.390222	25.0	1093033.0	0.780443	Y
2	IC 240-582961/4	1.0	0.724204	25.0	1111185.0	0.724204	Y
3	IC 240-582961/5	2.5	1.412357	25.0	1145567.0	0.564943	Y
4	IC 240-582961/6	6.25	3.38767	25.0	1119634.0	0.542027	Y
5	IC 240-582961/7	12.5	7.566781	25.0	918974.0	0.605342	Y
6	ICIS 240-582961/8	25.0	14.956694	25.0	1078248.0	0.598268	Y
7	IC 240-582961/9	37.5	22.241837	25.0	1104884.0	0.593116	Y
8	IC 240-582961/10	50.0	28.954986	25.0	1122507.0	0.5791	Y
9	IC 240-582961/11	62.5	37.389864	25.0	1149038.0	0.598238	Y



Calibration

/ Methyl acetate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

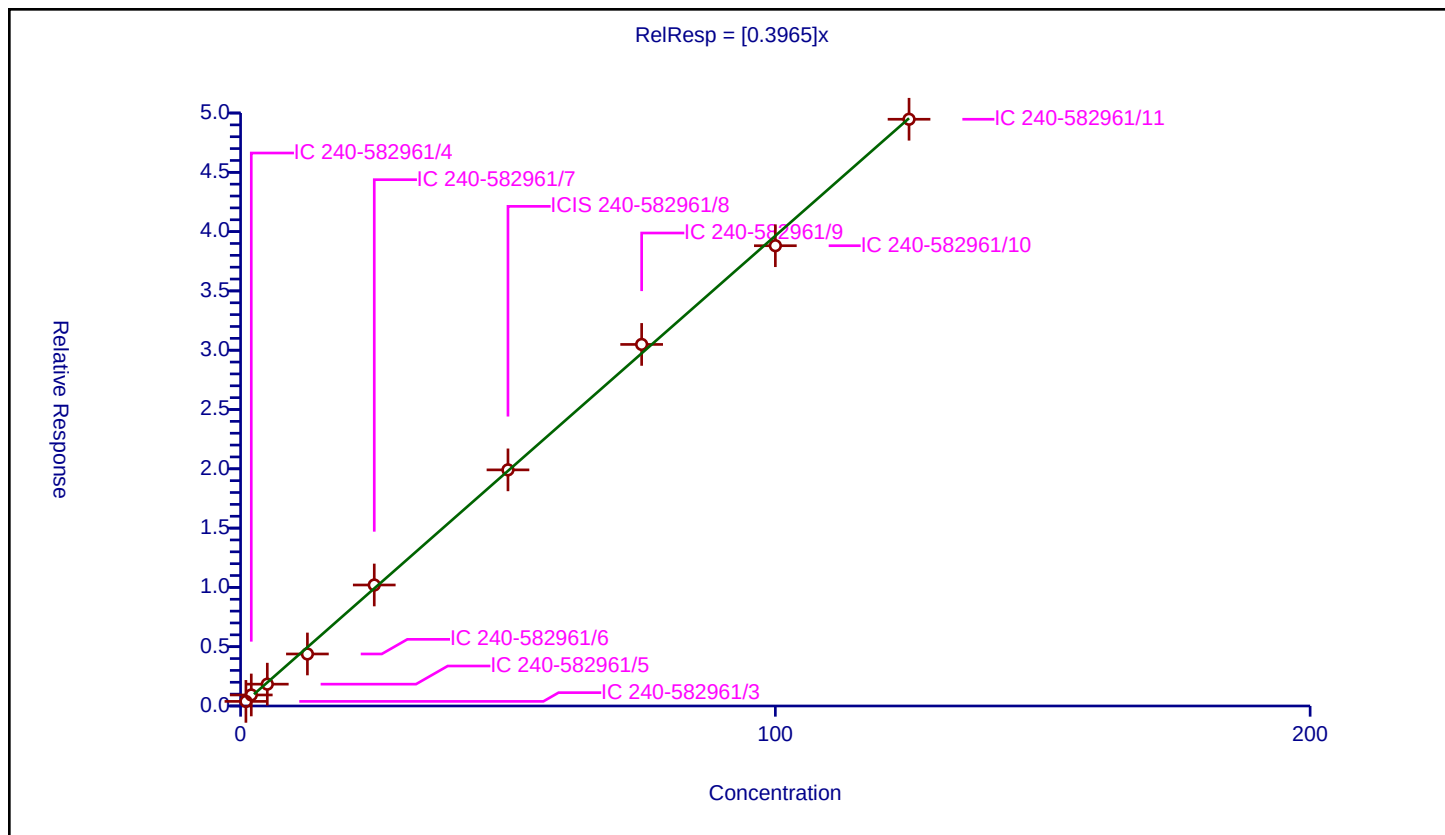
Curve Coefficients

Intercept: 0
Slope: 0.3965

Error Coefficients

Standard Error: 1170000
Relative Standard Error: 7.9
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	1.0	0.388369	25.0	1093033.0	0.388369	Y
2	IC 240-582961/4	2.0	0.928716	25.0	1111185.0	0.464358	Y
3	IC 240-582961/5	5.0	1.840093	25.0	1145567.0	0.368019	Y
4	IC 240-582961/6	12.5	4.385339	25.0	1119634.0	0.350827	Y
5	IC 240-582961/7	25.0	10.202547	25.0	918974.0	0.408102	Y
6	ICIS 240-582961/8	50.0	19.910679	25.0	1078248.0	0.398214	Y
7	IC 240-582961/9	75.0	30.487793	25.0	1104884.0	0.406504	Y
8	IC 240-582961/10	100.0	38.812007	25.0	1122507.0	0.38812	Y
9	IC 240-582961/11	125.0	49.473212	25.0	1149038.0	0.395786	Y



Calibration

/ Methylene Chloride

Curve Type: Linear
Weighting: Conc
Origin: None
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

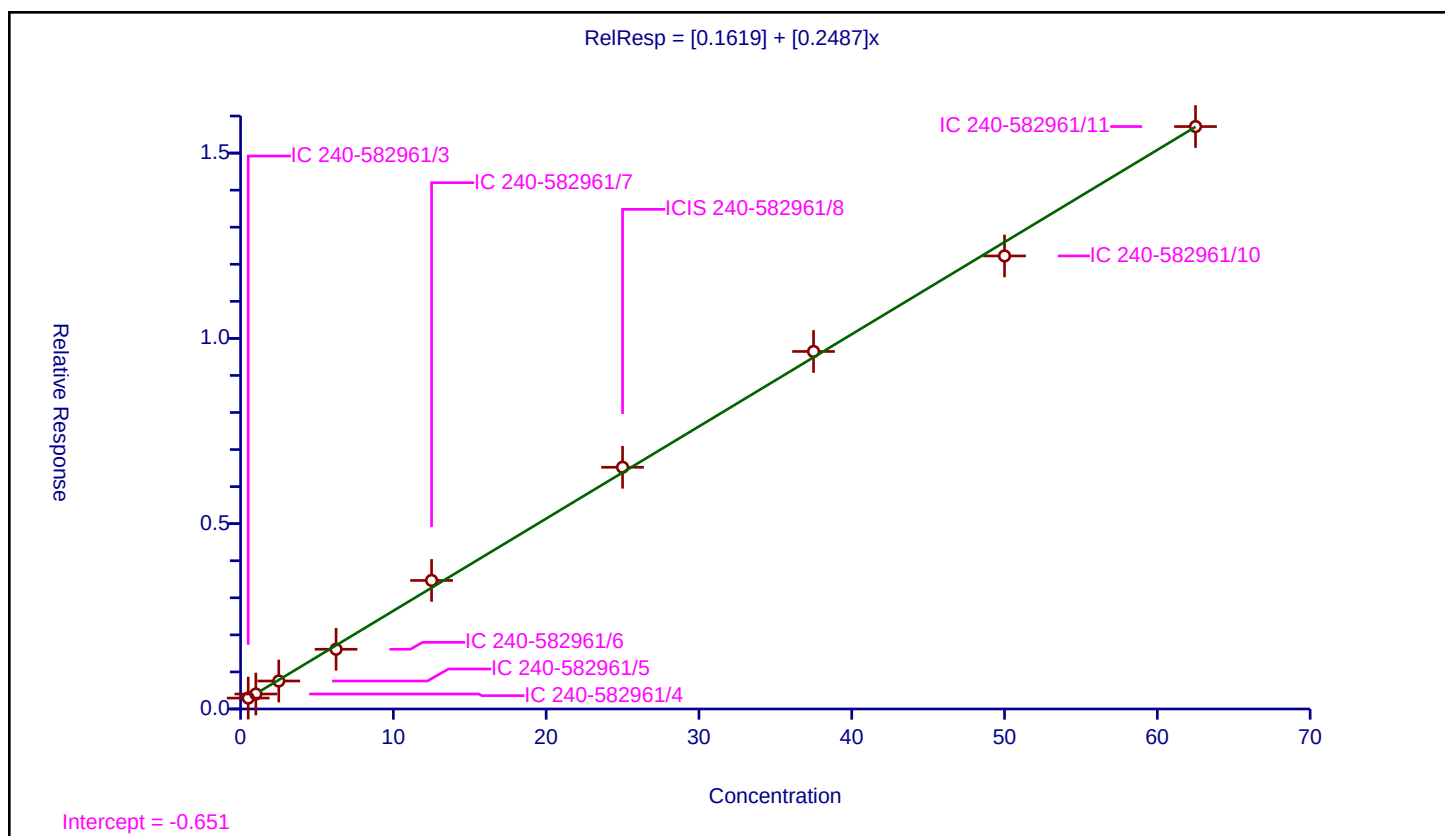
Curve Coefficients

Intercept: 0.1619
Slope: 0.2487

Error Coefficients

Standard Error: 398000
Relative Standard Error: 5.0
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.294456	25.0	1093033.0	0.588912	Y
2	IC 240-582961/4	1.0	0.404118	25.0	1111185.0	0.404118	Y
3	IC 240-582961/5	2.5	0.755063	25.0	1145567.0	0.302025	Y
4	IC 240-582961/6	6.25	1.611196	25.0	1119634.0	0.257791	Y
5	IC 240-582961/7	12.5	3.468216	25.0	918974.0	0.277457	Y
6	ICIS 240-582961/8	25.0	6.522502	25.0	1078248.0	0.2609	Y
7	IC 240-582961/9	37.5	9.646918	25.0	1104884.0	0.257251	Y
8	IC 240-582961/10	50.0	12.224534	25.0	1122507.0	0.244491	Y
9	IC 240-582961/11	62.5	15.715886	25.0	1149038.0	0.251454	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

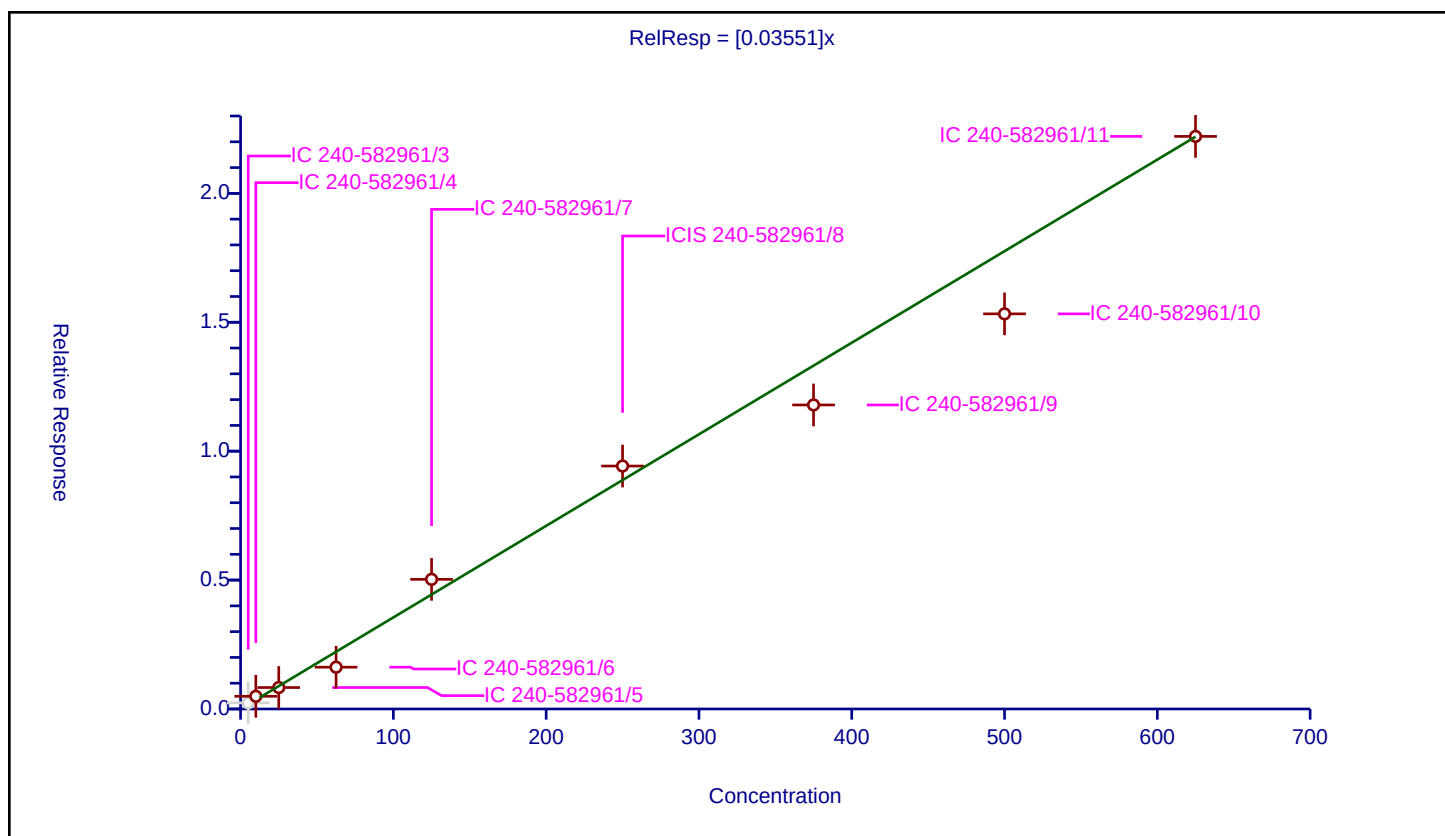
Curve Coefficients

Intercept: 0
Slope: 0.03551

Error Coefficients

Standard Error: 534000
Relative Standard Error: 20.0
Correlation Coefficient: 0.985
Coefficient of Determination (Adjusted): 0.940

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	5.0	0.237276	25.0	1093033.0	0.047455	N
2	IC 240-582961/4	10.0	0.493122	25.0	1111185.0	0.049312	Y
3	IC 240-582961/5	25.0	0.832579	25.0	1145567.0	0.033303	Y
4	IC 240-582961/6	62.5	1.621579	25.0	1119634.0	0.025945	Y
5	IC 240-582961/7	125.0	5.028543	25.0	918974.0	0.040228	Y
6	ICIS 240-582961/8	250.0	9.423551	25.0	1078248.0	0.037694	Y
7	IC 240-582961/9	375.0	11.79298	25.0	1104884.0	0.031448	Y
8	IC 240-582961/10	500.0	15.325896	25.0	1122507.0	0.030652	Y
9	IC 240-582961/11	625.0	22.209426	25.0	1149038.0	0.035535	Y



Calibration

/ Acrylonitrile

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

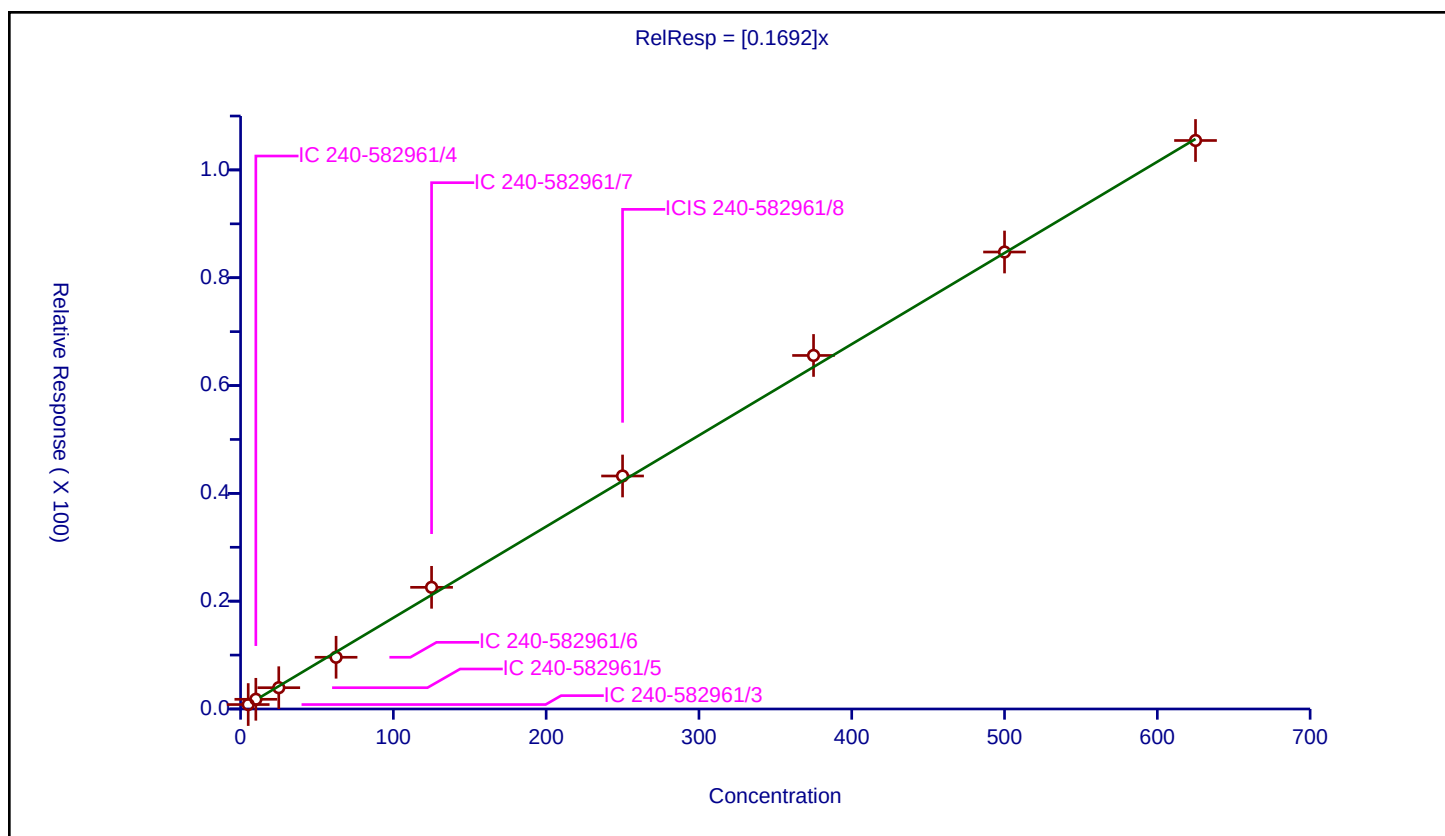
Curve Coefficients

Intercept: 0
Slope: 0.1692

Error Coefficients

Standard Error: 2520000
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 240-582961/3	5.0	0.82541	25.0	1093033.0	0.165082	Y
2	IC 240-582961/4	10.0	1.795943	25.0	1111185.0	0.179594	Y
3	IC 240-582961/5	25.0	3.94894	25.0	1145567.0	0.157958	Y
4	IC 240-582961/6	62.5	9.593537	25.0	1119634.0	0.153497	Y
5	IC 240-582961/7	125.0	22.570905	25.0	918974.0	0.180567	Y
6	ICIS 240-582961/8	250.0	43.224425	25.0	1078248.0	0.172898	Y
7	IC 240-582961/9	375.0	65.580436	25.0	1104884.0	0.174881	Y
8	IC 240-582961/10	500.0	84.769828	25.0	1122507.0	0.16954	Y
9	IC 240-582961/11	625.0	105.457913	25.0	1149038.0	0.168733	Y



Calibration

/ trans-1,2-Dichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

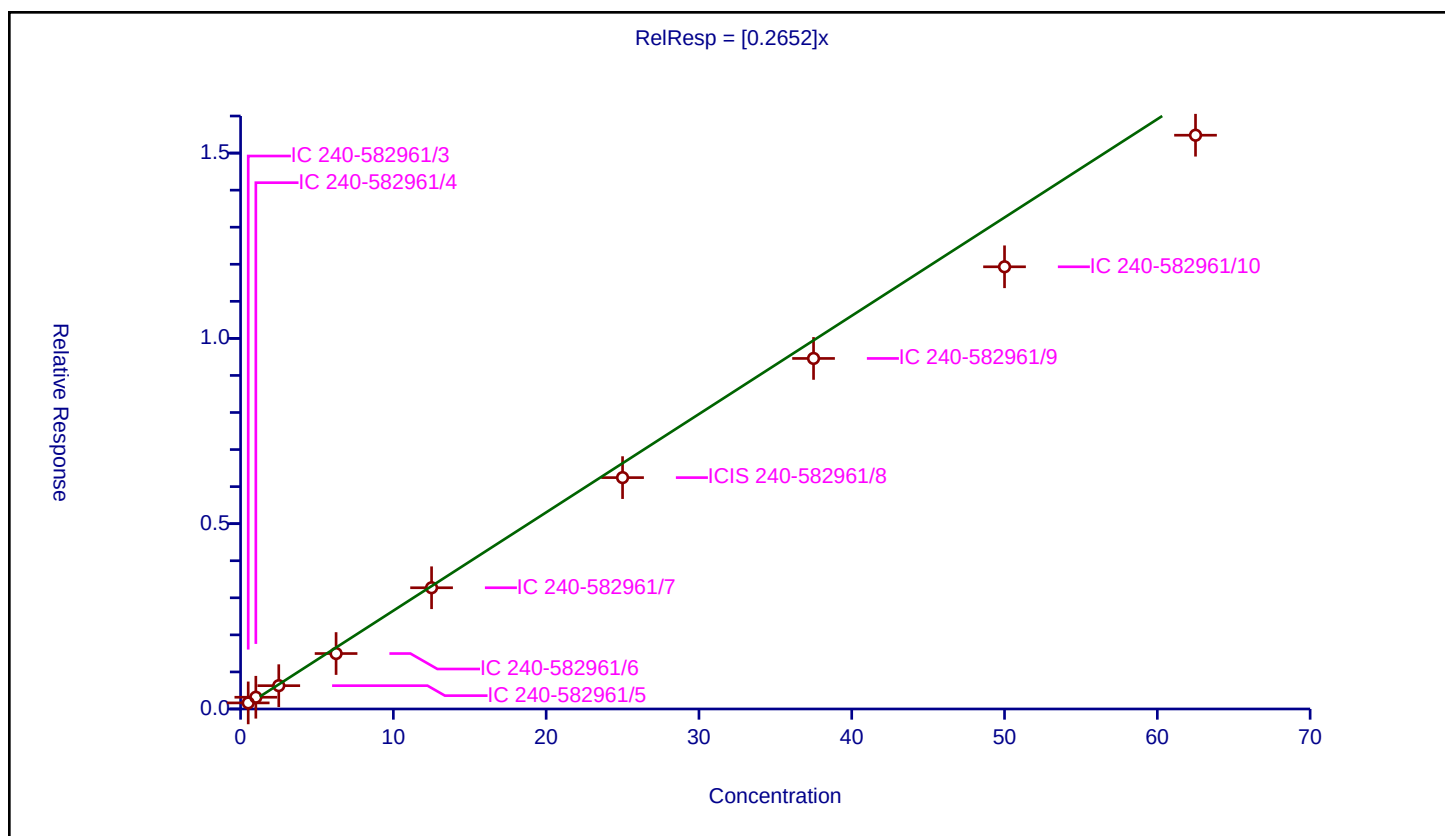
Curve Coefficients

Intercept: 0
Slope: 0.2652

Error Coefficients

Standard Error: 364000
Relative Standard Error: 12.7
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.164496	25.0	1093033.0	0.328993	Y
2	IC 240-582961/4	1.0	0.317161	25.0	1111185.0	0.317161	Y
3	IC 240-582961/5	2.5	0.629252	25.0	1145567.0	0.251701	Y
4	IC 240-582961/6	6.25	1.496382	25.0	1119634.0	0.239421	Y
5	IC 240-582961/7	12.5	3.271094	25.0	918974.0	0.261687	Y
6	ICIS 240-582961/8	25.0	6.243091	25.0	1078248.0	0.249724	Y
7	IC 240-582961/9	37.5	9.458482	25.0	1104884.0	0.252226	Y
8	IC 240-582961/10	50.0	11.931485	25.0	1122507.0	0.23863	Y
9	IC 240-582961/11	62.5	15.481581	25.0	1149038.0	0.247705	Y



Calibration

/ Methyl tert-butyl ether

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

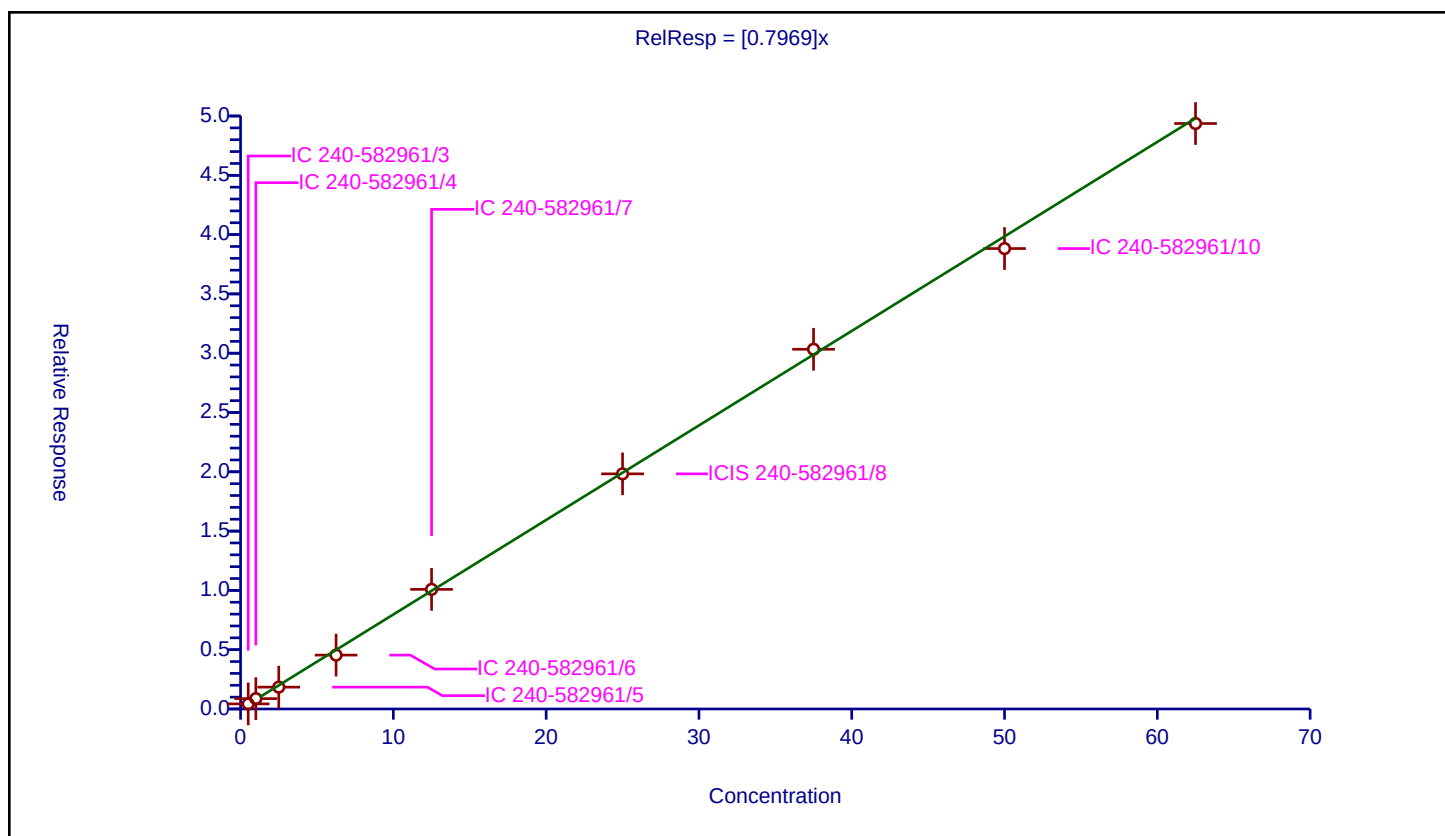
Curve Coefficients

Intercept: 0
Slope: 0.7969

Error Coefficients

Standard Error: 1170000
Relative Standard Error: 6.1
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.429653	25.0	1093033.0	0.859306	Y
2	IC 240-582961/4	1.0	0.874044	25.0	1111185.0	0.874044	Y
3	IC 240-582961/5	2.5	1.842559	25.0	1145567.0	0.737024	Y
4	IC 240-582961/6	6.25	4.542913	25.0	1119634.0	0.726866	Y
5	IC 240-582961/7	12.5	10.086004	25.0	918974.0	0.80688	Y
6	ICIS 240-582961/8	25.0	19.82619	25.0	1078248.0	0.793048	Y
7	IC 240-582961/9	37.5	30.331985	25.0	1104884.0	0.808853	Y
8	IC 240-582961/10	50.0	38.824145	25.0	1122507.0	0.776483	Y
9	IC 240-582961/11	62.5	49.369124	25.0	1149038.0	0.789906	Y



Calibration

/ Hexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

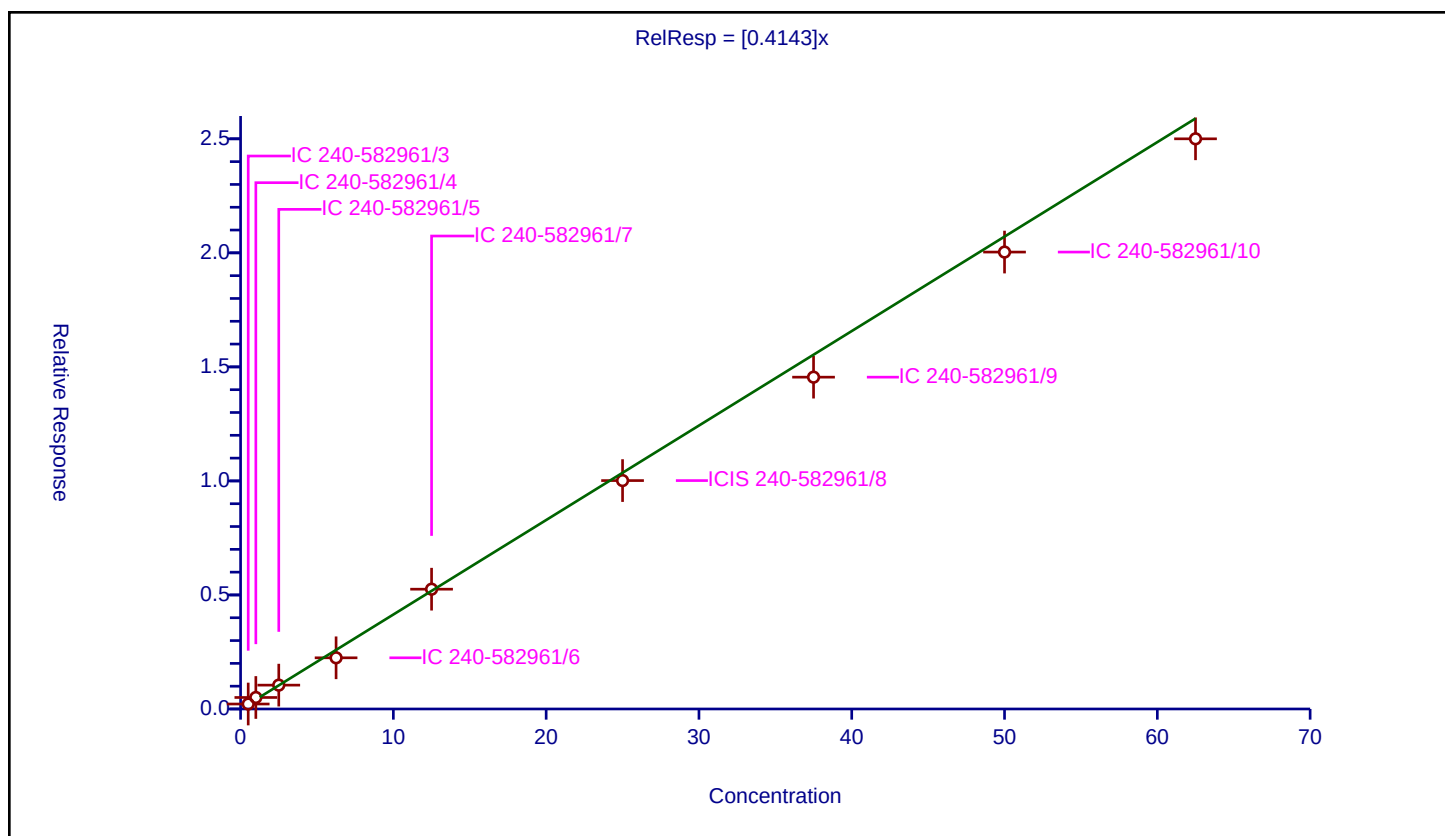
Curve Coefficients

Intercept: 0
Slope: 0.4143

Error Coefficients

Standard Error: 589000
Relative Standard Error: 9.7
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.21852	25.0	1093033.0	0.437041	Y
2	IC 240-582961/4	1.0	0.504124	25.0	1111185.0	0.504124	Y
3	IC 240-582961/5	2.5	1.046229	25.0	1145567.0	0.418491	Y
4	IC 240-582961/6	6.25	2.244885	25.0	1119634.0	0.359182	Y
5	IC 240-582961/7	12.5	5.252597	25.0	918974.0	0.420208	Y
6	ICIS 240-582961/8	25.0	10.014811	25.0	1078248.0	0.400592	Y
7	IC 240-582961/9	37.5	14.549061	25.0	1104884.0	0.387975	Y
8	IC 240-582961/10	50.0	20.03404	25.0	1122507.0	0.400681	Y
9	IC 240-582961/11	62.5	25.000783	25.0	1149038.0	0.400013	Y



Calibration

/ 1,1-Dichloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

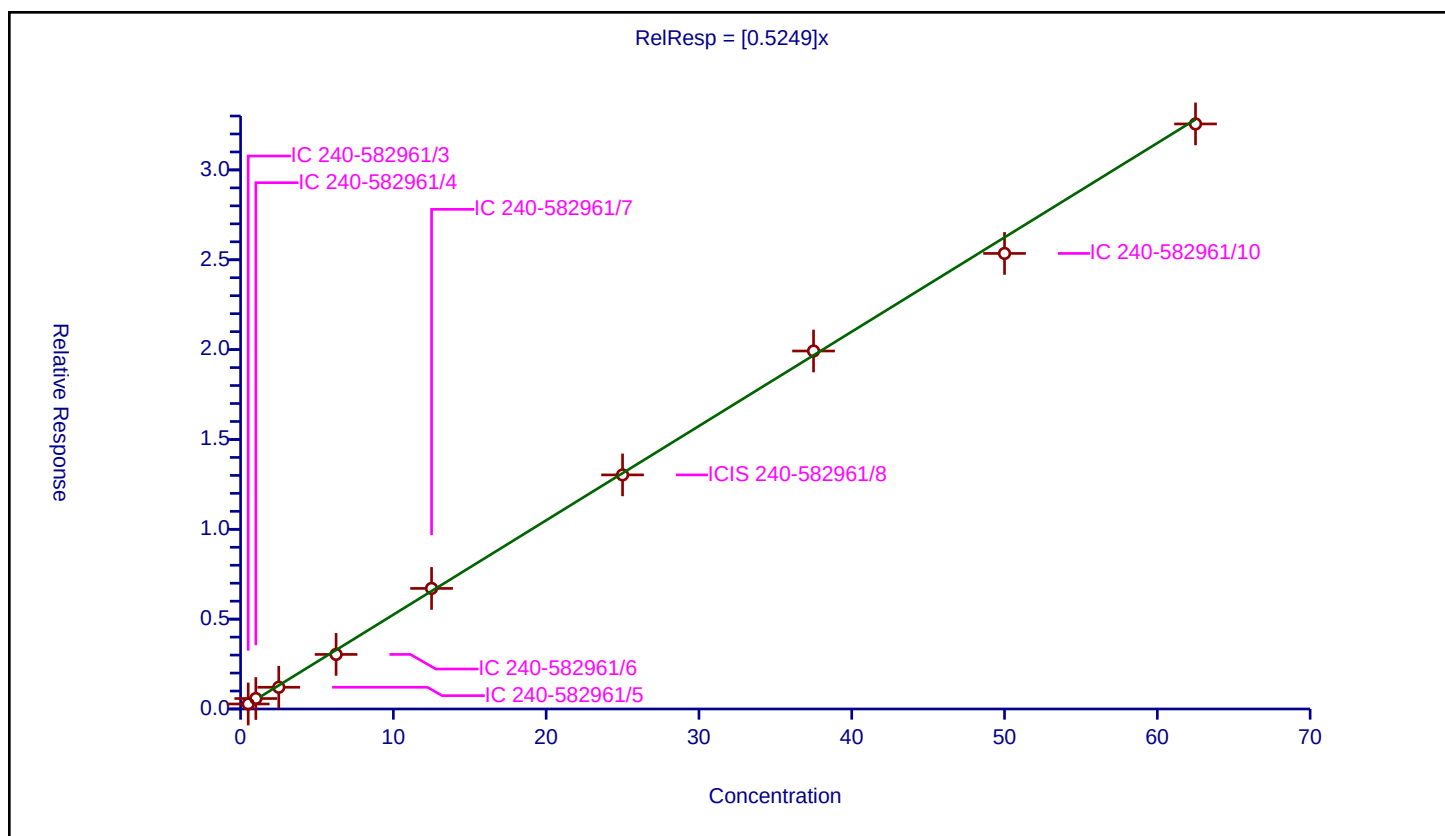
Curve Coefficients

Intercept: 0
Slope: 0.5249

Error Coefficients

Standard Error: 767000
Relative Standard Error: 6.0
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.277691	25.0	1093033.0	0.555381	Y
2	IC 240-582961/4	1.0	0.582306	25.0	1111185.0	0.582306	Y
3	IC 240-582961/5	2.5	1.208725	25.0	1145567.0	0.48349	Y
4	IC 240-582961/6	6.25	3.036707	25.0	1119634.0	0.485873	Y
5	IC 240-582961/7	12.5	6.710582	25.0	918974.0	0.536847	Y
6	ICIS 240-582961/8	25.0	13.027291	25.0	1078248.0	0.521092	Y
7	IC 240-582961/9	37.5	19.922023	25.0	1104884.0	0.531254	Y
8	IC 240-582961/10	50.0	25.352604	25.0	1122507.0	0.507052	Y
9	IC 240-582961/11	62.5	32.55854	25.0	1149038.0	0.520937	Y



Calibration

/ Vinyl acetate

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

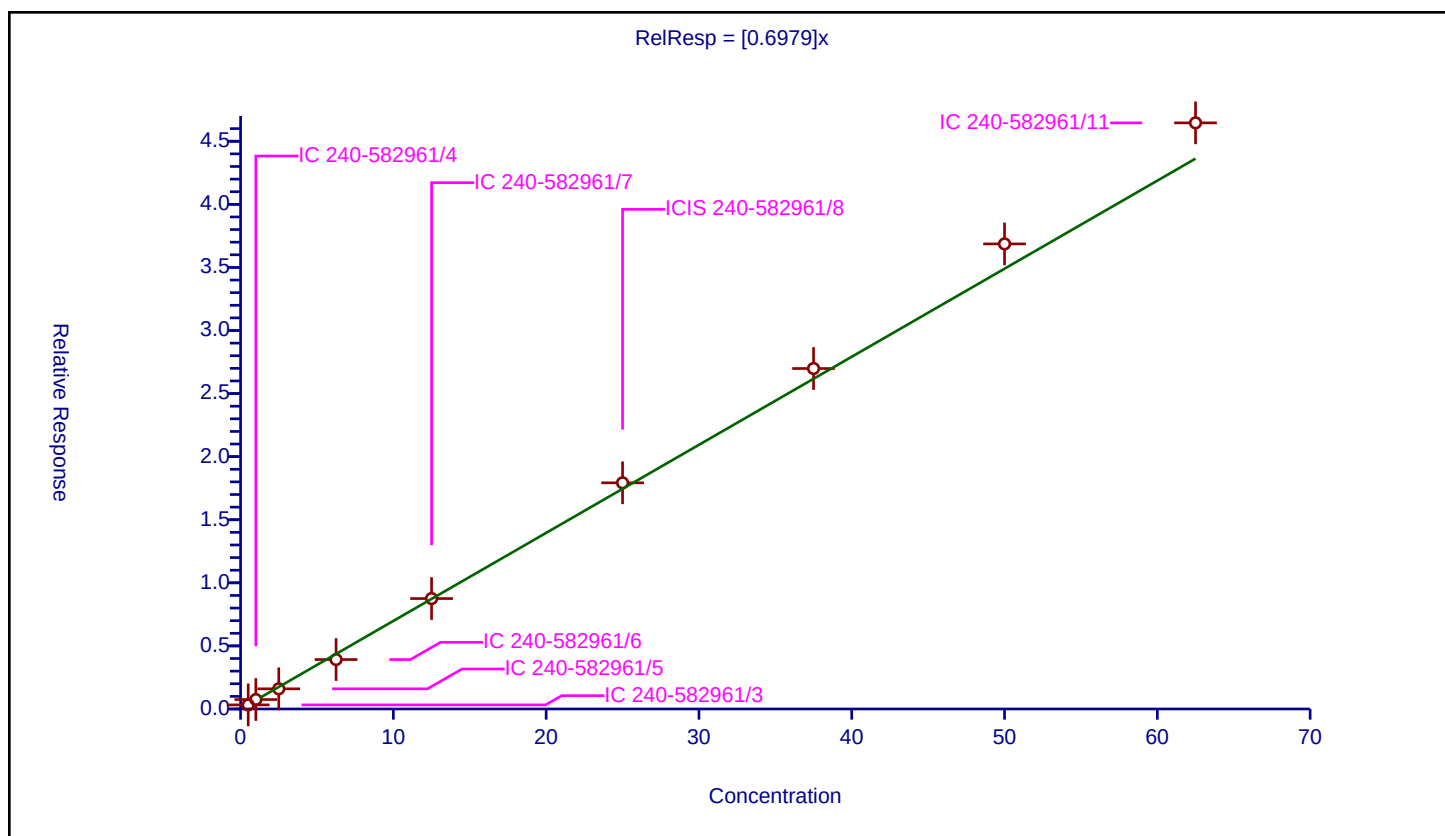
Curve Coefficients

Intercept: 0
 Slope: 0.6979

Error Coefficients

Standard Error: 1090000
 Relative Standard Error: 6.8
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.324304	25.0	1093033.0	0.648608	Y
2	IC 240-582961/4	1.0	0.748863	25.0	1111185.0	0.748863	Y
3	IC 240-582961/5	2.5	1.598641	25.0	1145567.0	0.639456	Y
4	IC 240-582961/6	6.25	3.918758	25.0	1119634.0	0.627001	Y
5	IC 240-582961/7	12.5	8.753213	25.0	918974.0	0.700257	Y
6	ICIS 240-582961/8	25.0	17.927207	25.0	1078248.0	0.717088	Y
7	IC 240-582961/9	37.5	26.985729	25.0	1104884.0	0.719619	Y
8	IC 240-582961/10	50.0	36.863289	25.0	1122507.0	0.737266	Y
9	IC 240-582961/11	62.5	46.457341	25.0	1149038.0	0.743317	Y



Calibration

/ 2,2-Dichloropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

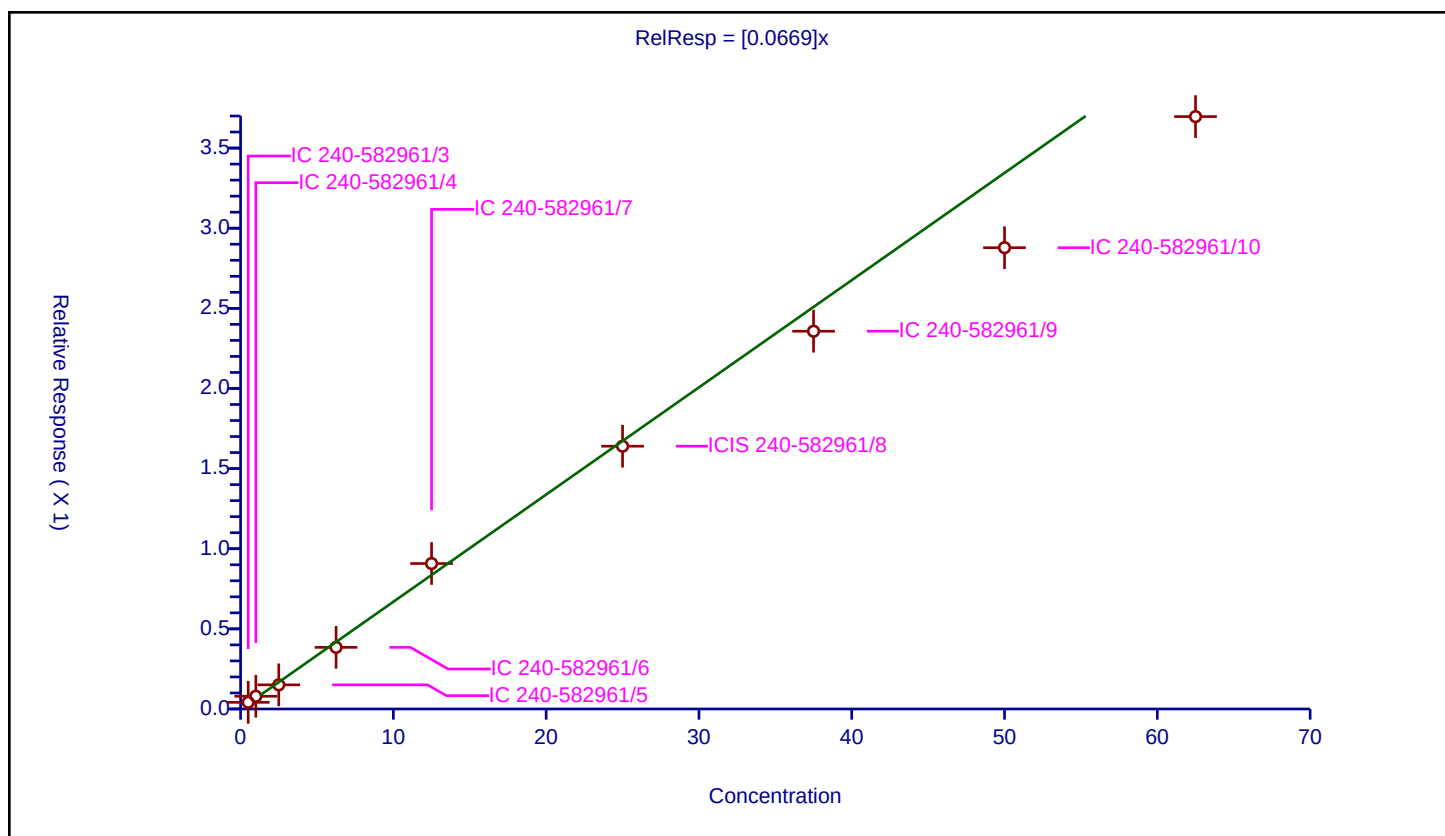
Curve Coefficients

Intercept: 0
Slope: 0.0669

Error Coefficients

Standard Error: 88700
Relative Standard Error: 13.9
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.041513	25.0	1093033.0	0.083026	Y
2	IC 240-582961/4	1.0	0.079465	25.0	1111185.0	0.079465	Y
3	IC 240-582961/5	2.5	0.150668	25.0	1145567.0	0.060267	Y
4	IC 240-582961/6	6.25	0.384612	25.0	1119634.0	0.061538	Y
5	IC 240-582961/7	12.5	0.907534	25.0	918974.0	0.072603	Y
6	ICIS 240-582961/8	25.0	1.639697	25.0	1078248.0	0.065588	Y
7	IC 240-582961/9	37.5	2.357284	25.0	1104884.0	0.062861	Y
8	IC 240-582961/10	50.0	2.878401	25.0	1122507.0	0.057568	Y
9	IC 240-582961/11	62.5	3.696309	25.0	1149038.0	0.059141	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

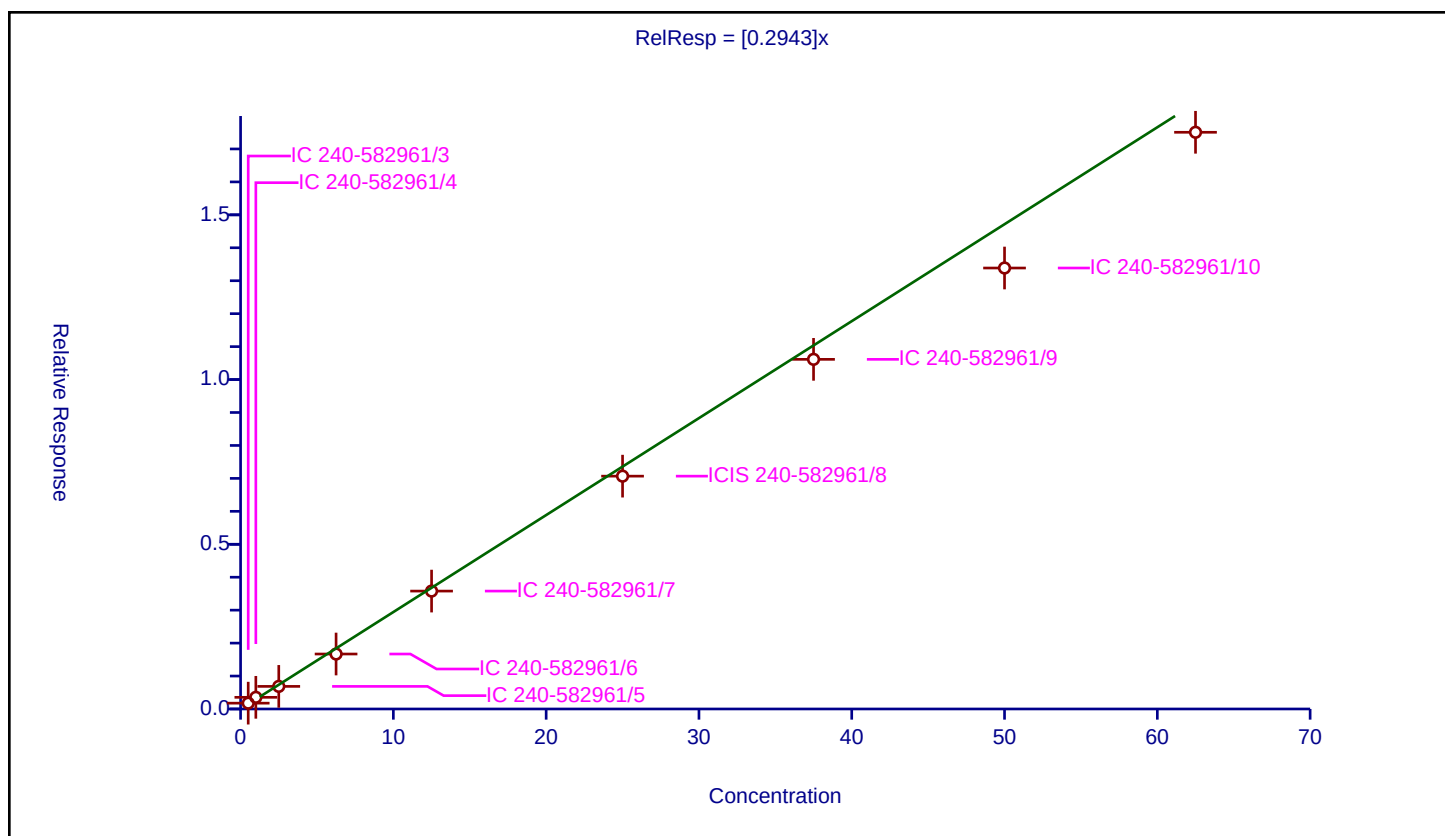
Curve Coefficients

Intercept: 0
Slope: 0.2943

Error Coefficients

Standard Error: 410000
Relative Standard Error: 11.7
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.176619	25.0	1093033.0	0.353237	Y
2	IC 240-582961/4	1.0	0.354126	25.0	1111185.0	0.354126	Y
3	IC 240-582961/5	2.5	0.686014	25.0	1145567.0	0.274406	Y
4	IC 240-582961/6	6.25	1.668983	25.0	1119634.0	0.267037	Y
5	IC 240-582961/7	12.5	3.579508	25.0	918974.0	0.286361	Y
6	ICIS 240-582961/8	25.0	7.068202	25.0	1078248.0	0.282728	Y
7	IC 240-582961/9	37.5	10.613535	25.0	1104884.0	0.283028	Y
8	IC 240-582961/10	50.0	13.386019	25.0	1122507.0	0.26772	Y
9	IC 240-582961/11	62.5	17.506384	25.0	1149038.0	0.280102	Y



Calibration

/ 2-Butanone (MEK)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

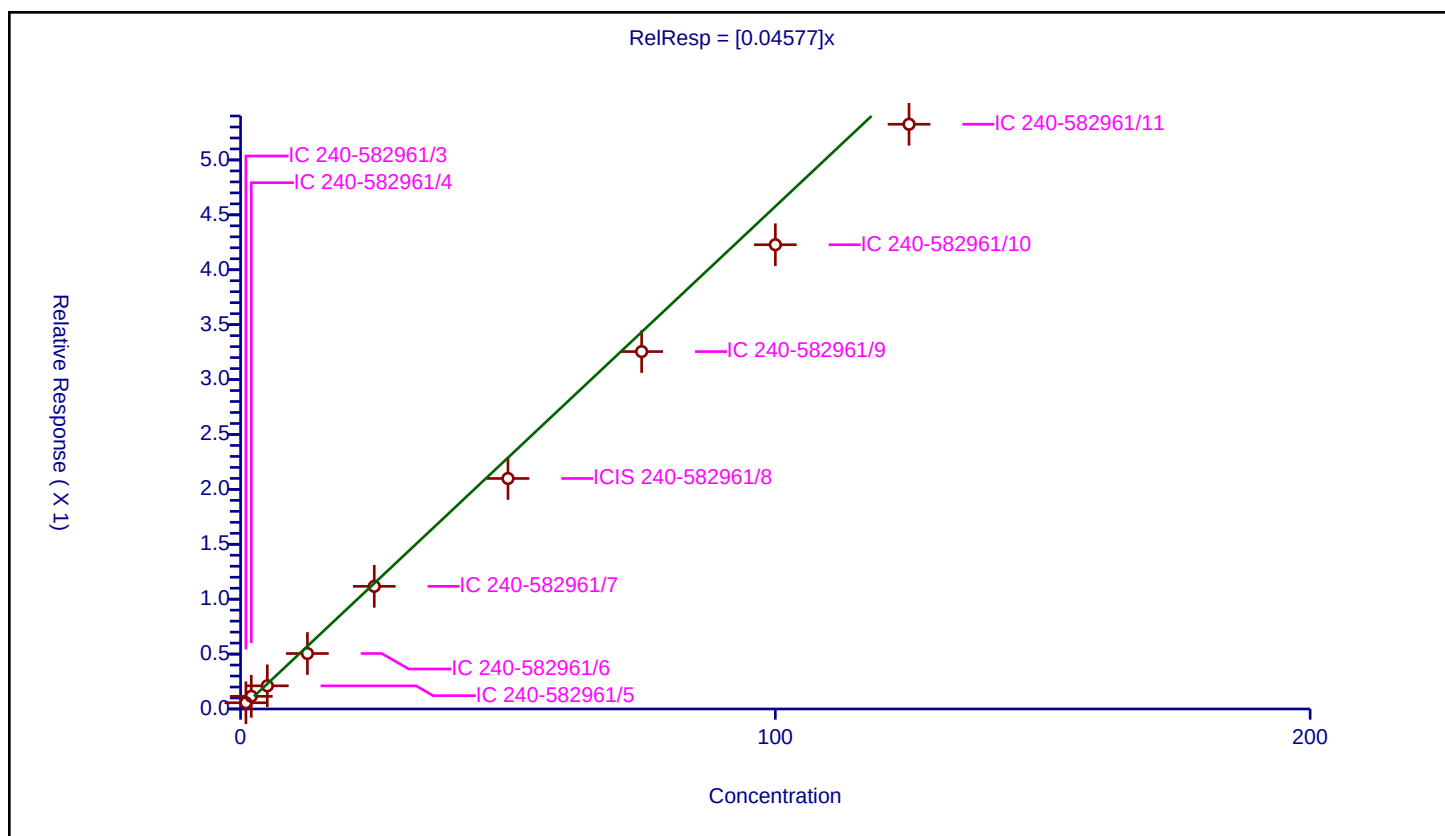
Curve Coefficients

Intercept: 0
Slope: 0.04577

Error Coefficients

Standard Error: 126000
Relative Standard Error: 14.4
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	1.0	0.0567	25.0	1093033.0	0.0567	Y
2	IC 240-582961/4	2.0	0.115372	25.0	1111185.0	0.057686	Y
3	IC 240-582961/5	5.0	0.210922	25.0	1145567.0	0.042184	Y
4	IC 240-582961/6	12.5	0.505232	25.0	1119634.0	0.040419	Y
5	IC 240-582961/7	25.0	1.116952	25.0	918974.0	0.044678	Y
6	ICIS 240-582961/8	50.0	2.099239	25.0	1078248.0	0.041985	Y
7	IC 240-582961/9	75.0	3.25464	25.0	1104884.0	0.043395	Y
8	IC 240-582961/10	100.0	4.227836	25.0	1122507.0	0.042278	Y
9	IC 240-582961/11	125.0	5.324933	25.0	1149038.0	0.042599	Y



Calibration

/ Chlorobromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

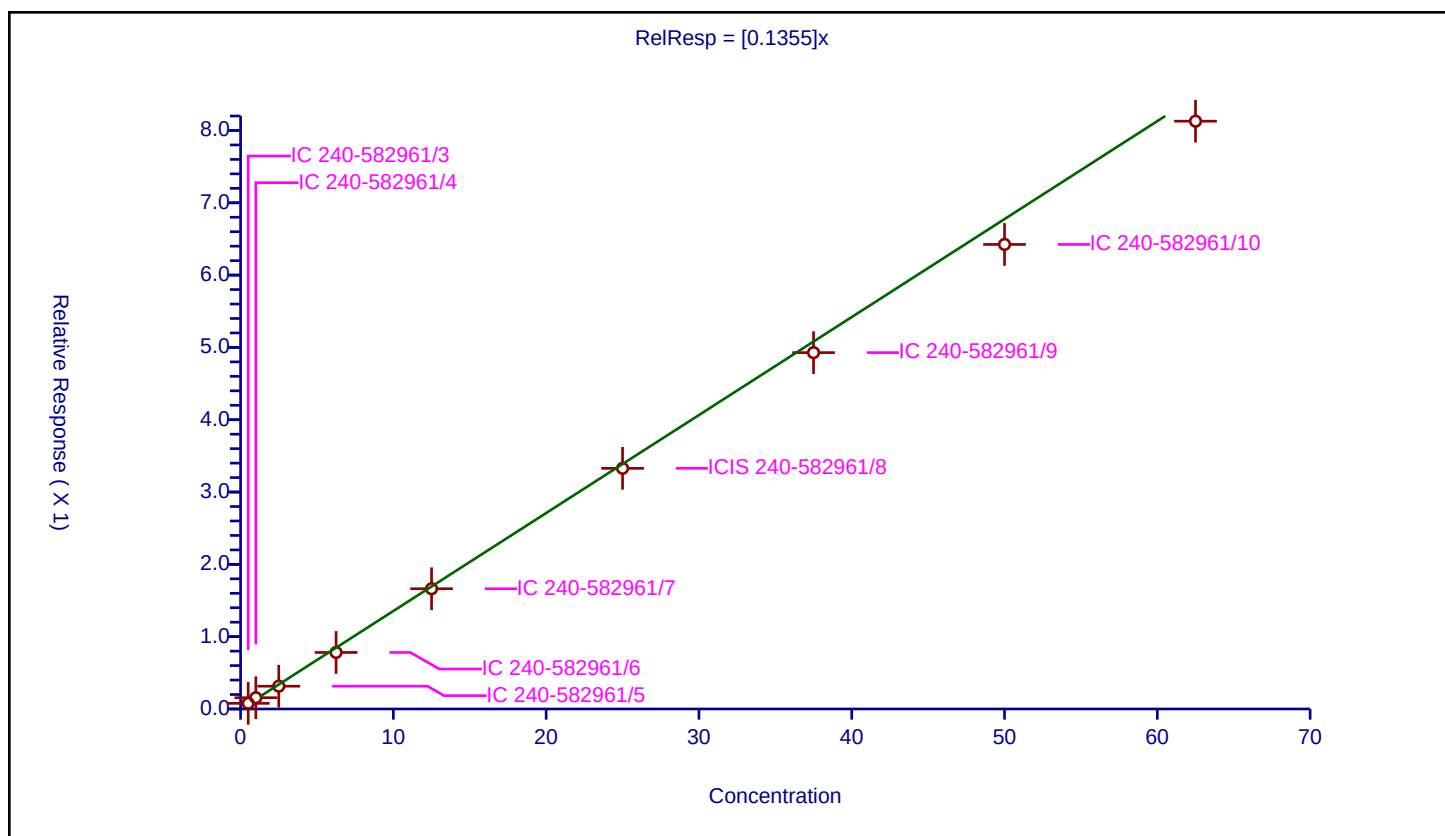
Curve Coefficients

Intercept: 0
Slope: 0.1355

Error Coefficients

Standard Error: 192000
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 240-582961/3	0.5	0.078063	25.0	1093033.0	0.156125	Y
2	IC 240-582961/4	1.0	0.156162	25.0	1111185.0	0.156162	Y
3	IC 240-582961/5	2.5	0.314953	25.0	1145567.0	0.125981	Y
4	IC 240-582961/6	6.25	0.781773	25.0	1119634.0	0.125084	Y
5	IC 240-582961/7	12.5	1.662914	25.0	918974.0	0.133033	Y
6	ICIS 240-582961/8	25.0	3.328038	25.0	1078248.0	0.133122	Y
7	IC 240-582961/9	37.5	4.927802	25.0	1104884.0	0.131408	Y
8	IC 240-582961/10	50.0	6.424214	25.0	1122507.0	0.128484	Y
9	IC 240-582961/11	62.5	8.128343	25.0	1149038.0	0.130053	Y



Calibration

/ Tetrahydrofuran

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

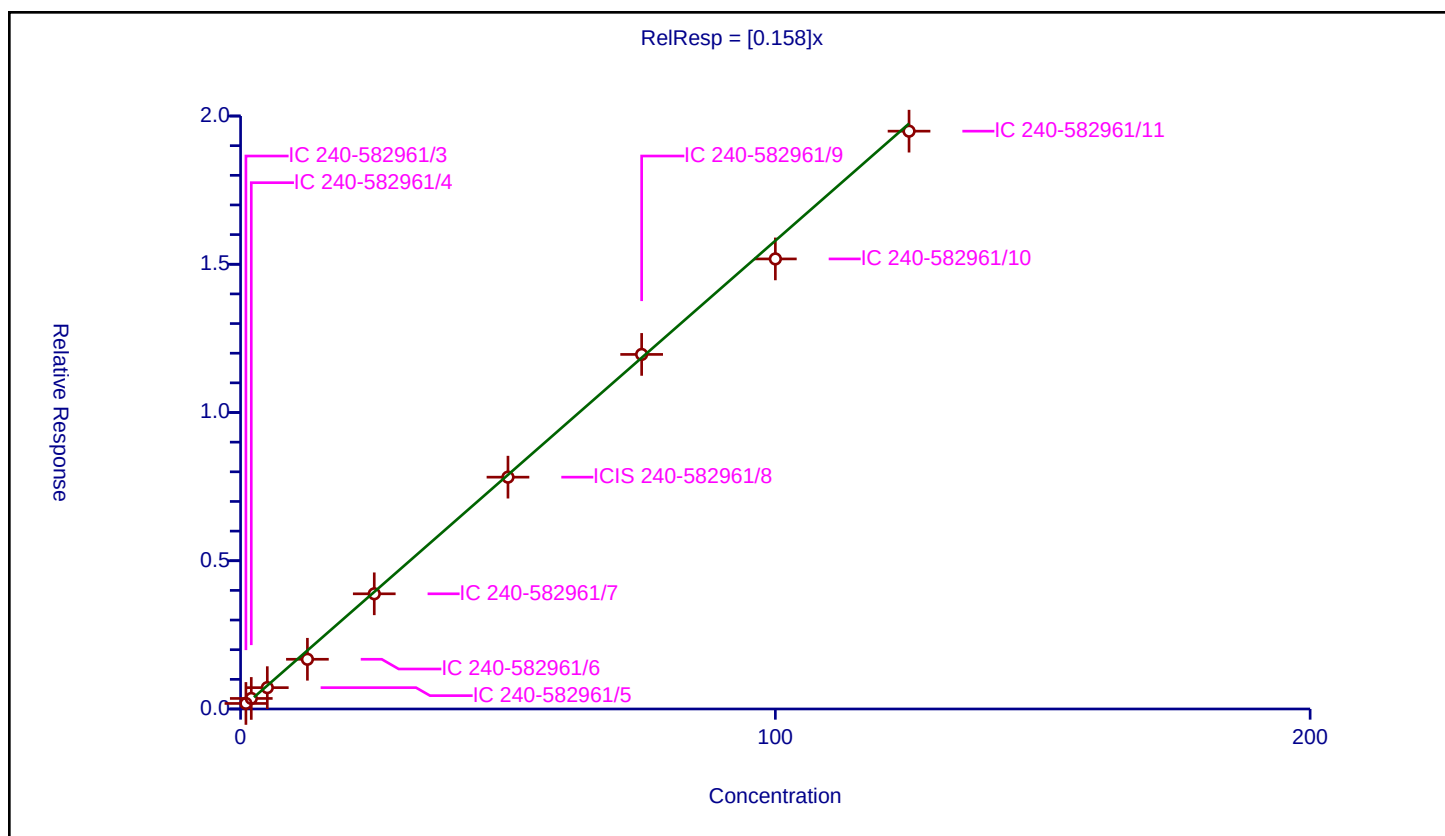
Curve Coefficients

Intercept: 0
Slope: 0.158

Error Coefficients

Standard Error: 459000
Relative Standard Error: 10.1
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	1.0	0.186637	25.0	1093033.0	0.186637	Y
2	IC 240-582961/4	2.0	0.355656	25.0	1111185.0	0.177828	Y
3	IC 240-582961/5	5.0	0.720211	25.0	1145567.0	0.144042	Y
4	IC 240-582961/6	12.5	1.676731	25.0	1119634.0	0.134138	Y
5	IC 240-582961/7	25.0	3.884822	25.0	918974.0	0.155393	Y
6	ICIS 240-582961/8	50.0	7.818957	25.0	1078248.0	0.156379	Y
7	IC 240-582961/9	75.0	11.959083	25.0	1104884.0	0.159454	Y
8	IC 240-582961/10	100.0	15.180284	25.0	1122507.0	0.151803	Y
9	IC 240-582961/11	125.0	19.488912	25.0	1149038.0	0.155911	Y



Calibration

/ Chloroform

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

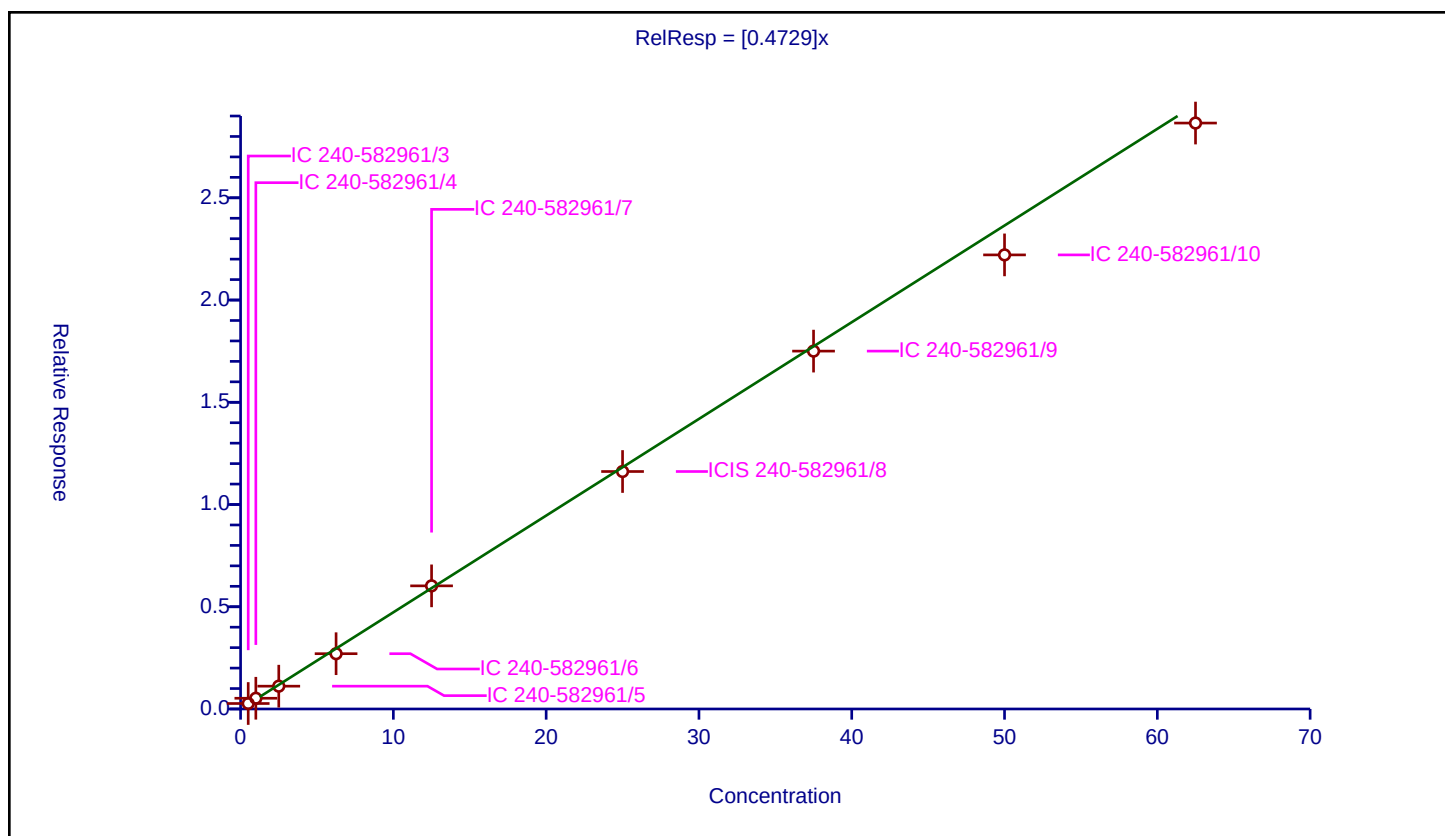
Curve Coefficients

Intercept: 0
Slope: 0.4729

Error Coefficients

Standard Error: 675000
Relative Standard Error: 7.6
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.268359	25.0	1093033.0	0.536718	Y
2	IC 240-582961/4	1.0	0.524418	25.0	1111185.0	0.524418	Y
3	IC 240-582961/5	2.5	1.115888	25.0	1145567.0	0.446355	Y
4	IC 240-582961/6	6.25	2.704366	25.0	1119634.0	0.432699	Y
5	IC 240-582961/7	12.5	6.022532	25.0	918974.0	0.481803	Y
6	ICIS 240-582961/8	25.0	11.613724	25.0	1078248.0	0.464549	Y
7	IC 240-582961/9	37.5	17.502493	25.0	1104884.0	0.466733	Y
8	IC 240-582961/10	50.0	22.207612	25.0	1122507.0	0.444152	Y
9	IC 240-582961/11	62.5	28.656254	25.0	1149038.0	0.4585	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

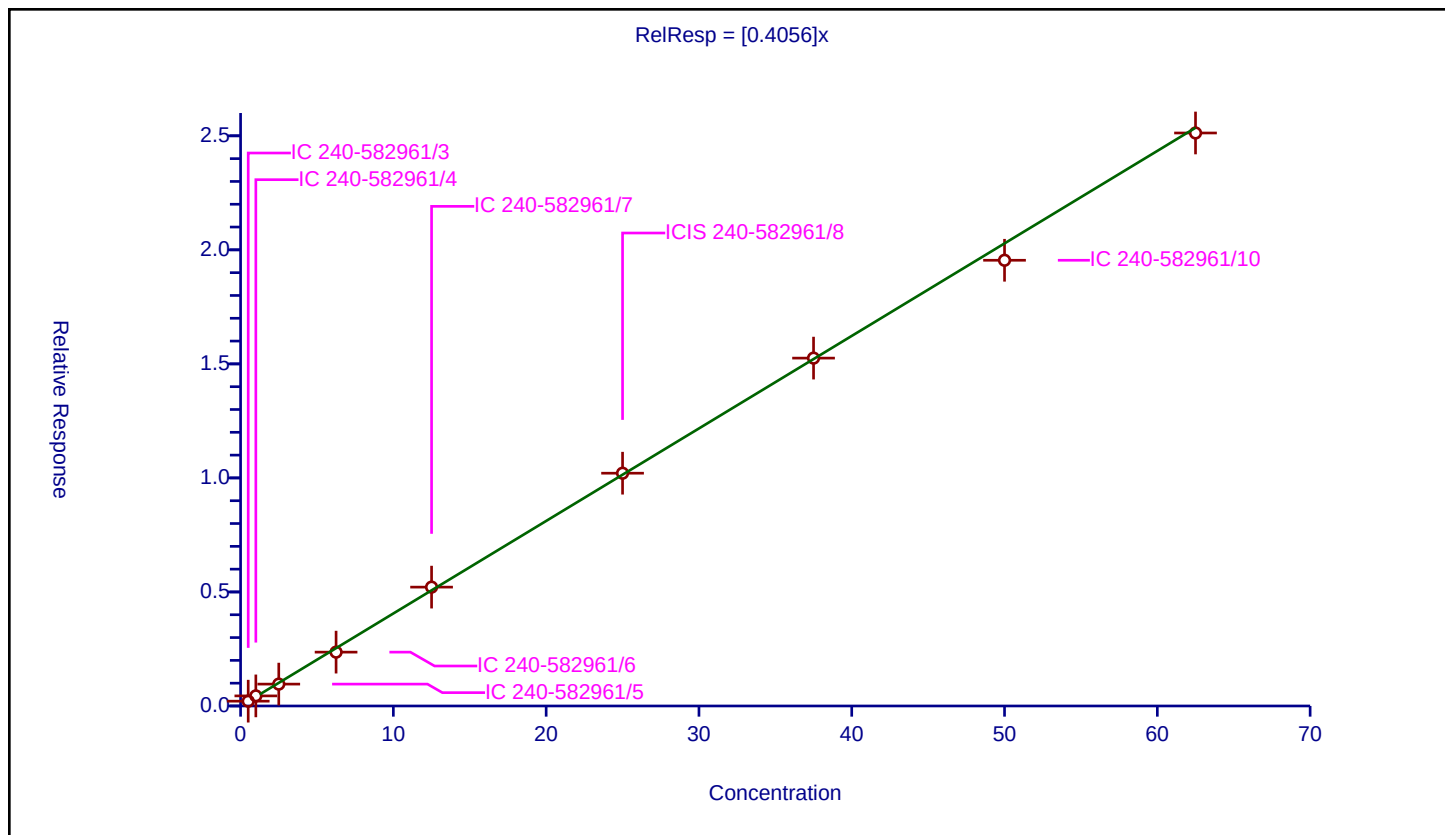
Curve Coefficients

Intercept: 0
 Slope: 0.4056

Error Coefficients

Standard Error: 592000
 Relative Standard Error: 5.0
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.210858	25.0	1093033.0	0.421716	Y
2	IC 240-582961/4	1.0	0.442996	25.0	1111185.0	0.442996	Y
3	IC 240-582961/5	2.5	0.95887	25.0	1145567.0	0.383548	Y
4	IC 240-582961/6	6.25	2.360995	25.0	1119634.0	0.377759	Y
5	IC 240-582961/7	12.5	5.211818	25.0	918974.0	0.416945	Y
6	ICIS 240-582961/8	25.0	10.206395	25.0	1078248.0	0.408256	Y
7	IC 240-582961/9	37.5	15.25323	25.0	1104884.0	0.406753	Y
8	IC 240-582961/10	50.0	19.542974	25.0	1122507.0	0.390859	Y
9	IC 240-582961/11	62.5	25.123886	25.0	1149038.0	0.401982	Y



Calibration

/ Dibromofluoromethane (Surr)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

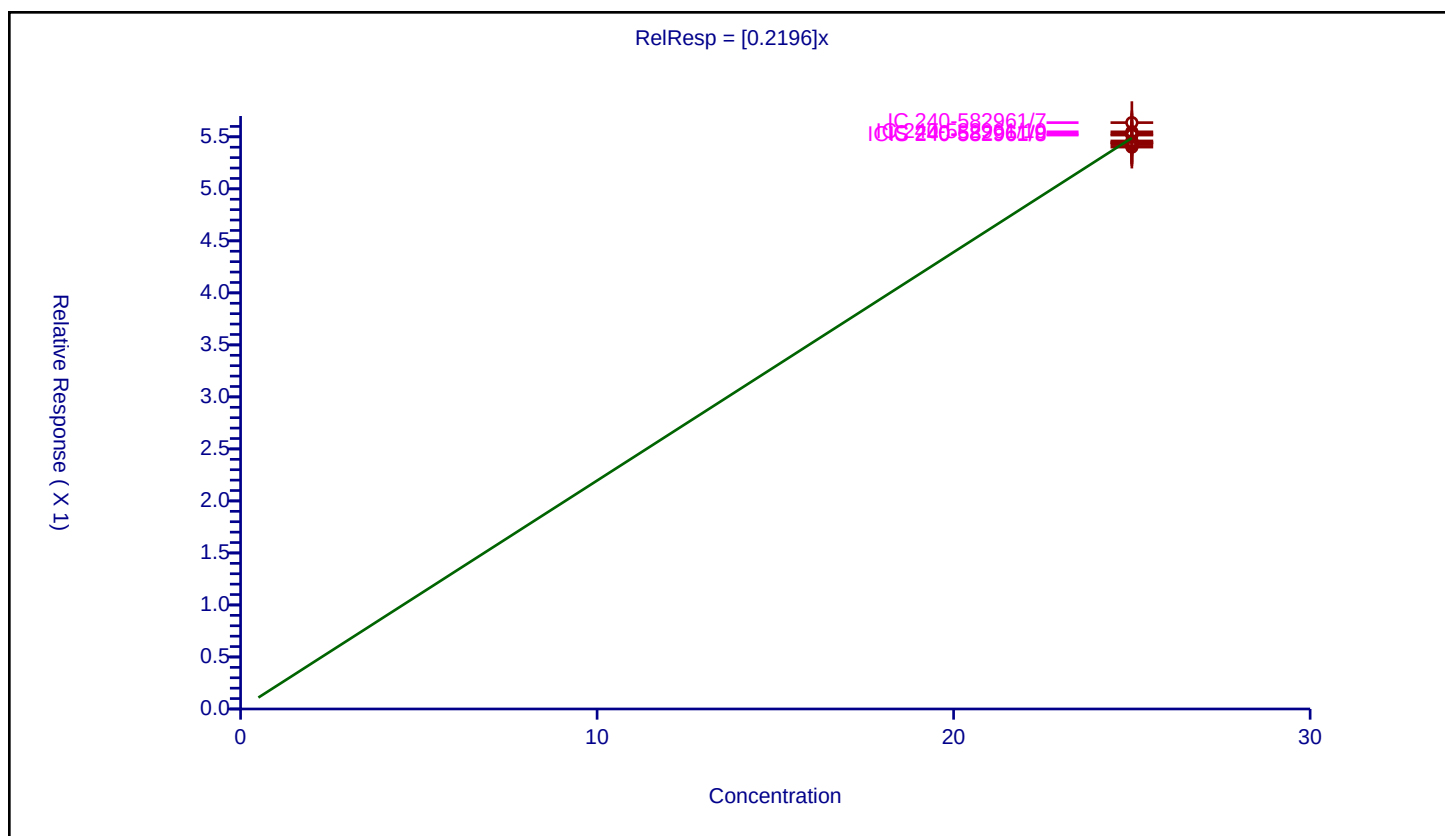
Curve Coefficients

Intercept: 0
Slope: 0.2196

Error Coefficients

Standard Error: 255000
Relative Standard Error: 1.4
Correlation Coefficient: NA
Coefficient of Determination (Adjusted): 0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	25.0	5.440778	25.0	1093033.0	0.217631	Y
2	IC 240-582961/4	25.0	5.44412	25.0	1111185.0	0.217765	Y
3	IC 240-582961/5	25.0	5.424912	25.0	1145567.0	0.216996	Y
4	IC 240-582961/6	25.0	5.40114	25.0	1119634.0	0.216046	Y
5	IC 240-582961/7	25.0	5.636313	25.0	918974.0	0.225453	Y
6	ICIS 240-582961/8	25.0	5.51682	25.0	1078248.0	0.220673	Y
7	IC 240-582961/9	25.0	5.526666	25.0	1104884.0	0.221067	Y
8	IC 240-582961/10	25.0	5.548005	25.0	1122507.0	0.22192	Y
9	IC 240-582961/11	25.0	5.460394	25.0	1149038.0	0.218416	Y



Calibration

/ Cyclohexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

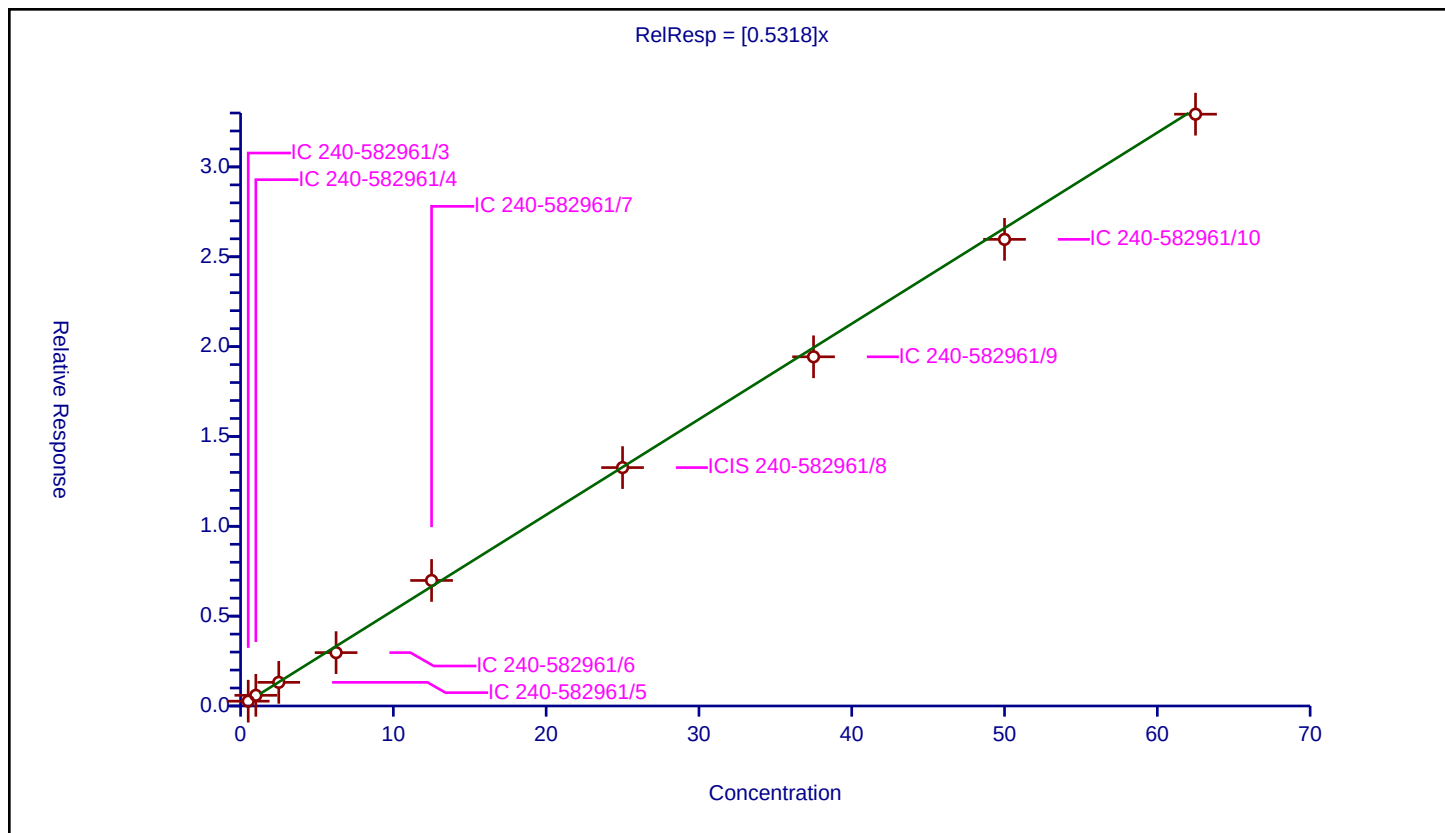
Curve Coefficients

Intercept: 0
Slope: 0.5318

Error Coefficients

Standard Error: 775000
Relative Standard Error: 6.0
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.268039	25.0	1093033.0	0.536077	Y
2	IC 240-582961/4	1.0	0.594433	25.0	1111185.0	0.594433	Y
3	IC 240-582961/5	2.5	1.316139	25.0	1145567.0	0.526455	Y
4	IC 240-582961/6	6.25	2.970055	25.0	1119634.0	0.475209	Y
5	IC 240-582961/7	12.5	6.985453	25.0	918974.0	0.558836	Y
6	ICIS 240-582961/8	25.0	13.268585	25.0	1078248.0	0.530743	Y
7	IC 240-582961/9	37.5	19.433465	25.0	1104884.0	0.518226	Y
8	IC 240-582961/10	50.0	25.968635	25.0	1122507.0	0.519373	Y
9	IC 240-582961/11	62.5	32.935029	25.0	1149038.0	0.52696	Y



Calibration

/ Carbon tetrachloride

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

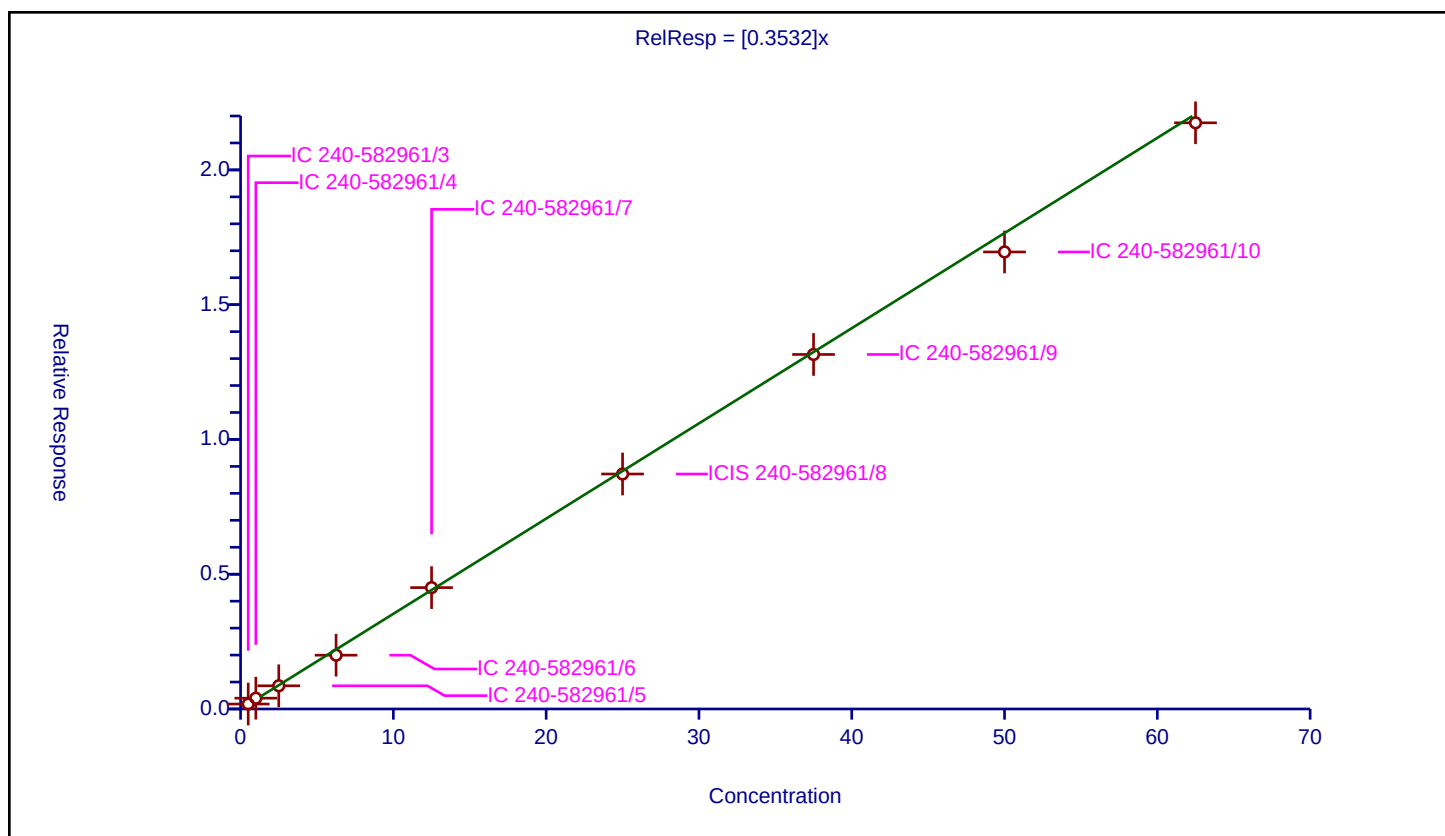
Curve Coefficients

Intercept: 0
Slope: 0.3532

Error Coefficients

Standard Error: 512000
Relative Standard Error: 6.3
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.183572	25.0	1093033.0	0.367144	Y
2	IC 240-582961/4	1.0	0.400923	25.0	1111185.0	0.400923	Y
3	IC 240-582961/5	2.5	0.860644	25.0	1145567.0	0.344257	Y
4	IC 240-582961/6	6.25	1.995585	25.0	1119634.0	0.319294	Y
5	IC 240-582961/7	12.5	4.502766	25.0	918974.0	0.360221	Y
6	ICIS 240-582961/8	25.0	8.717753	25.0	1078248.0	0.34871	Y
7	IC 240-582961/9	37.5	13.152919	25.0	1104884.0	0.350745	Y
8	IC 240-582961/10	50.0	16.956331	25.0	1122507.0	0.339127	Y
9	IC 240-582961/11	62.5	21.747236	25.0	1149038.0	0.347956	Y



Calibration

/ 1,1-Dichloropropene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

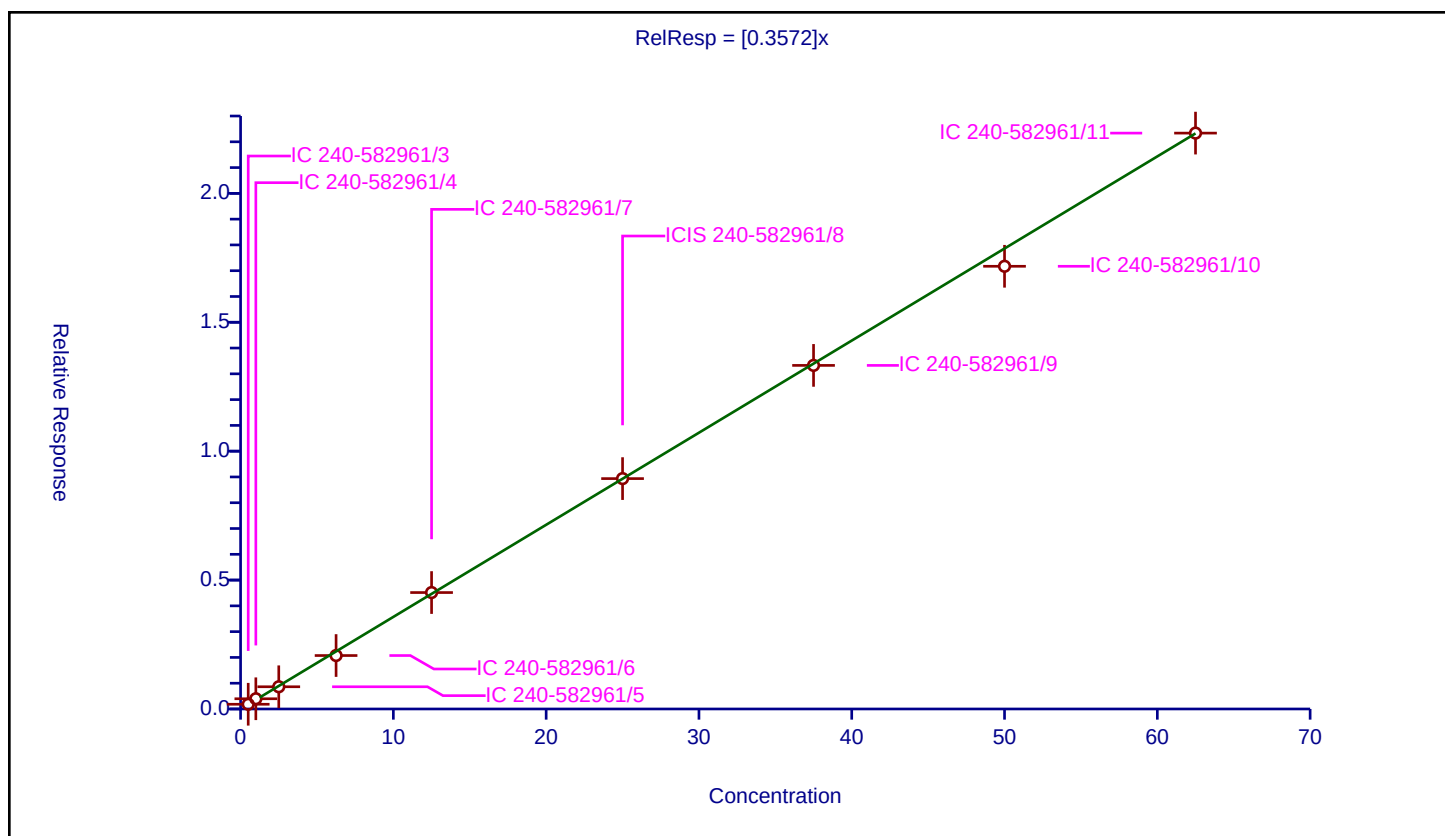
Curve Coefficients

Intercept: 0
Slope: 0.3572

Error Coefficients

Standard Error: 522000
Relative Standard Error: 5.1
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.18316	25.0	1093033.0	0.36632	Y
2	IC 240-582961/4	1.0	0.397099	25.0	1111185.0	0.397099	Y
3	IC 240-582961/5	2.5	0.8618	25.0	1145567.0	0.34472	Y
4	IC 240-582961/6	6.25	2.073378	25.0	1119634.0	0.331741	Y
5	IC 240-582961/7	12.5	4.516613	25.0	918974.0	0.361329	Y
6	ICIS 240-582961/8	25.0	8.936557	25.0	1078248.0	0.357462	Y
7	IC 240-582961/9	37.5	13.327214	25.0	1104884.0	0.355392	Y
8	IC 240-582961/10	50.0	17.171942	25.0	1122507.0	0.343439	Y
9	IC 240-582961/11	62.5	22.337099	25.0	1149038.0	0.357394	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

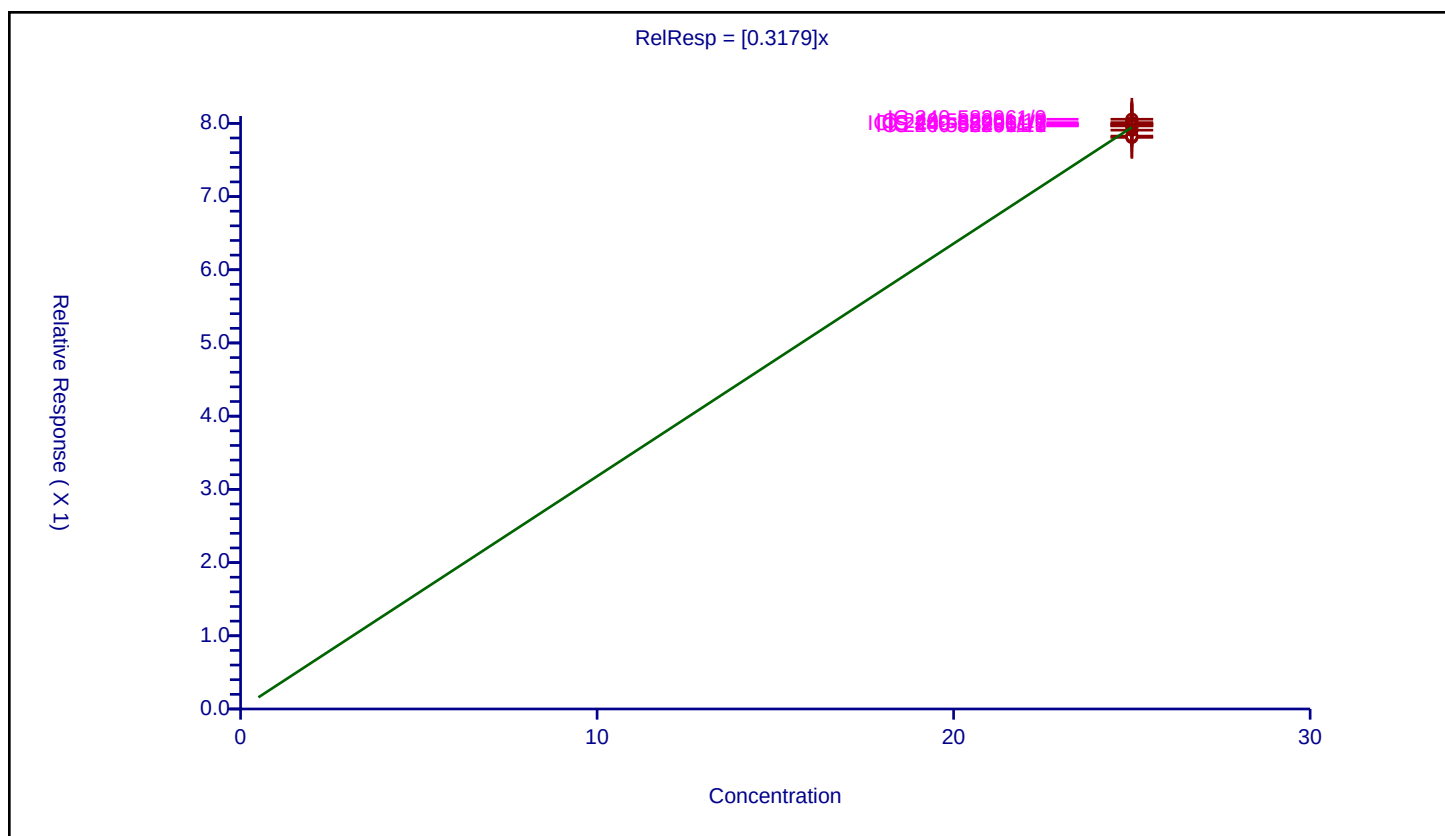
Curve Coefficients

Intercept: 0
Slope: 0.3179

Error Coefficients

Standard Error: 369000
Relative Standard Error: 1.1
Correlation Coefficient: NA
Coefficient of Determination (Adjusted): 0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	25.0	7.964444	25.0	1093033.0	0.318578	Y
2	IC 240-582961/4	25.0	7.906807	25.0	1111185.0	0.316272	Y
3	IC 240-582961/5	25.0	7.807968	25.0	1145567.0	0.312319	Y
4	IC 240-582961/6	25.0	7.82566	25.0	1119634.0	0.313026	Y
5	IC 240-582961/7	25.0	7.991412	25.0	918974.0	0.319656	Y
6	ICIS 240-582961/8	25.0	7.988236	25.0	1078248.0	0.319529	Y
7	IC 240-582961/9	25.0	8.055755	25.0	1104884.0	0.32223	Y
8	IC 240-582961/10	25.0	8.009928	25.0	1122507.0	0.320397	Y
9	IC 240-582961/11	25.0	7.96797	25.0	1149038.0	0.318719	Y



Calibration

/ Benzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

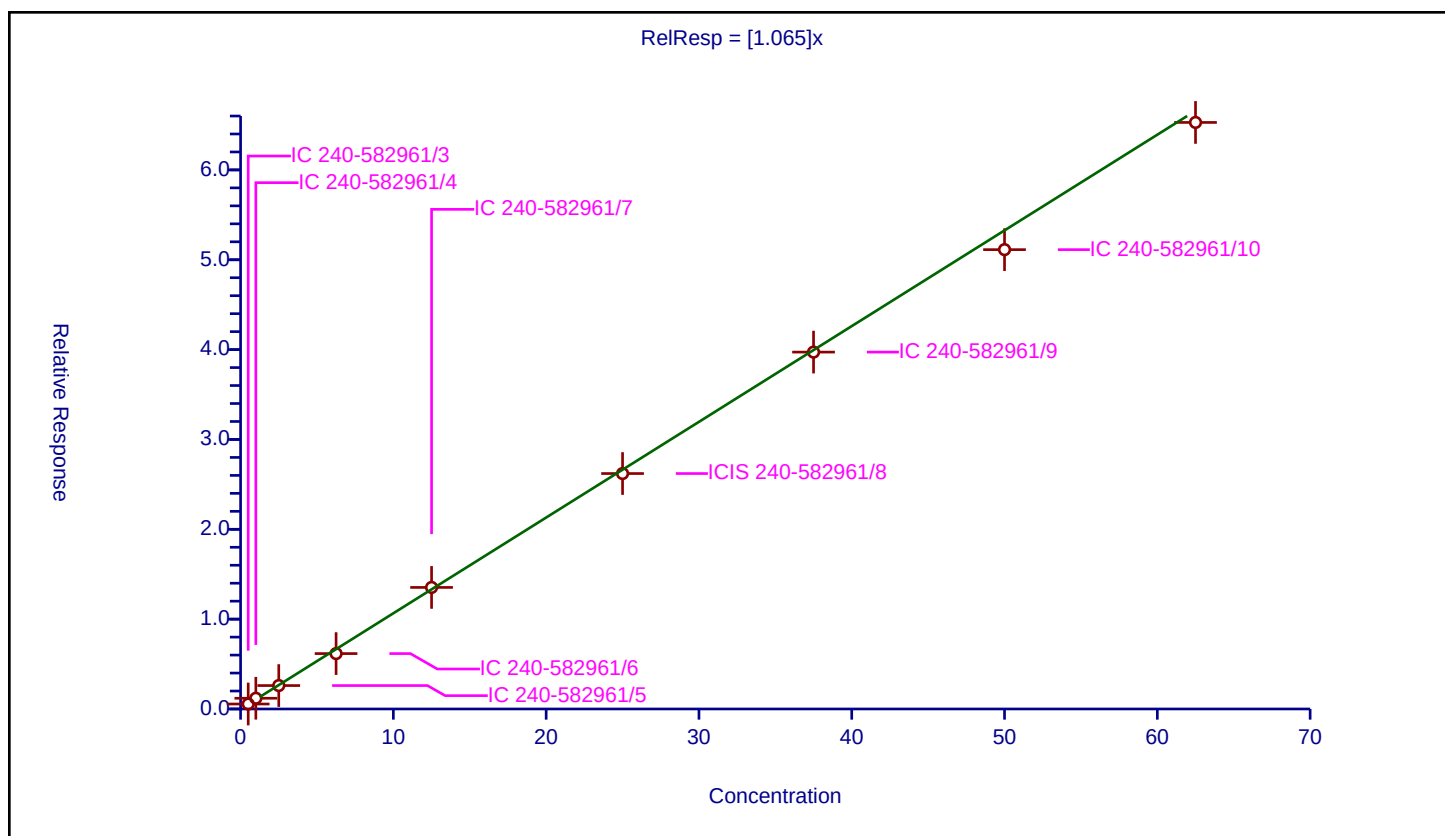
Curve Coefficients

Intercept: 0
Slope: 1.065

Error Coefficients

Standard Error: 1540000
Relative Standard Error: 5.5
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.553803	25.0	1093033.0	1.107606	Y
2	IC 240-582961/4	1.0	1.193388	25.0	1111185.0	1.193388	Y
3	IC 240-582961/5	2.5	2.608665	25.0	1145567.0	1.043466	Y
4	IC 240-582961/6	6.25	6.166524	25.0	1119634.0	0.986644	Y
5	IC 240-582961/7	12.5	13.528756	25.0	918974.0	1.0823	Y
6	ICIS 240-582961/8	25.0	26.20566	25.0	1078248.0	1.048226	Y
7	IC 240-582961/9	37.5	39.722134	25.0	1104884.0	1.059257	Y
8	IC 240-582961/10	50.0	51.125984	25.0	1122507.0	1.02252	Y
9	IC 240-582961/11	62.5	65.285439	25.0	1149038.0	1.044567	Y



Calibration

/ 1,2-Dichloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

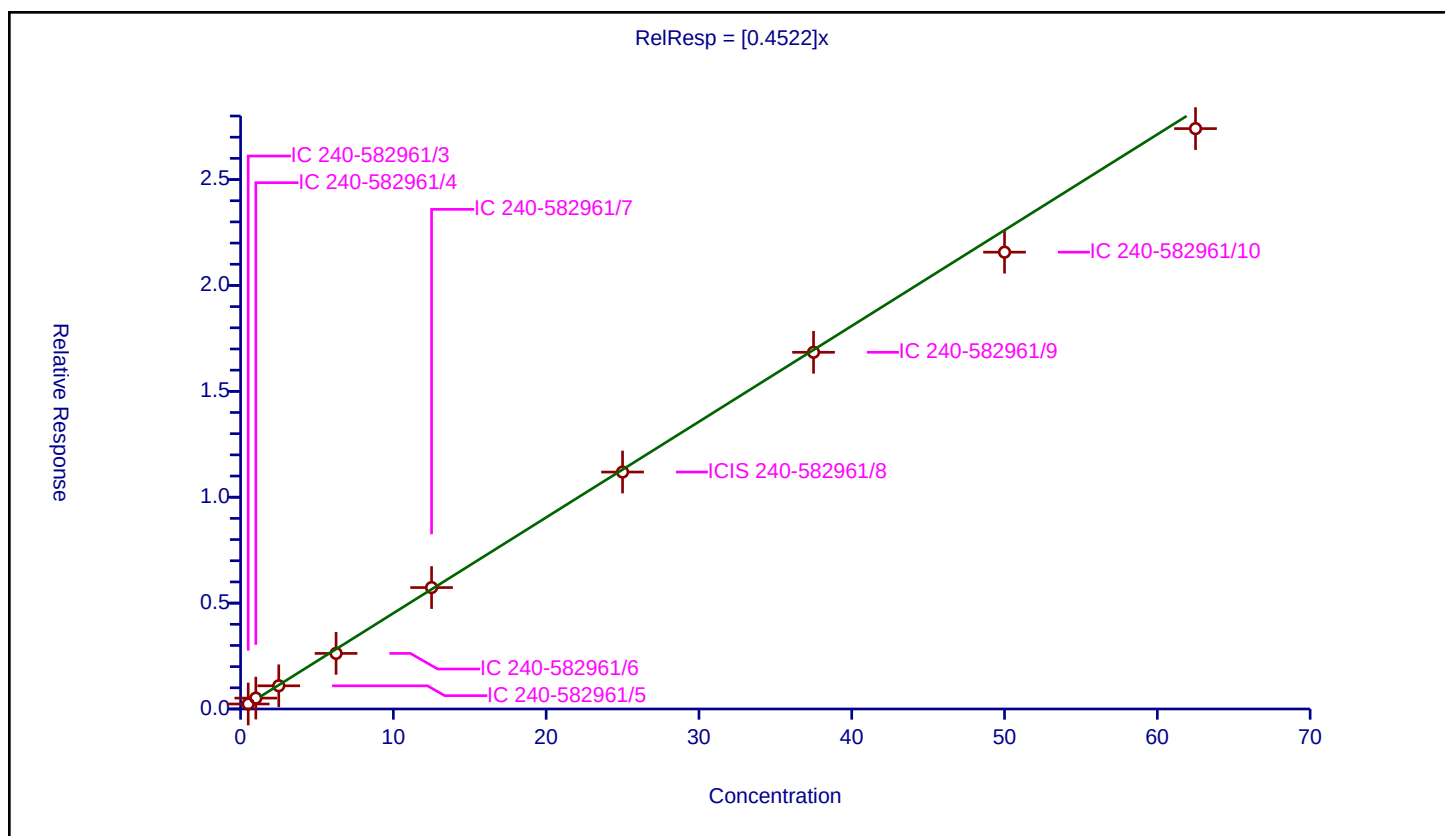
Curve Coefficients

Intercept: 0
Slope: 0.4522

Error Coefficients

Standard Error: 649000
Relative Standard Error: 6.2
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.235949	25.0	1093033.0	0.471898	Y
2	IC 240-582961/4	1.0	0.514878	25.0	1111185.0	0.514878	Y
3	IC 240-582961/5	2.5	1.094305	25.0	1145567.0	0.437722	Y
4	IC 240-582961/6	6.25	2.625322	25.0	1119634.0	0.420052	Y
5	IC 240-582961/7	12.5	5.733242	25.0	918974.0	0.458659	Y
6	ICIS 240-582961/8	25.0	11.188474	25.0	1078248.0	0.447539	Y
7	IC 240-582961/9	37.5	16.843261	25.0	1104884.0	0.449154	Y
8	IC 240-582961/10	50.0	21.569977	25.0	1122507.0	0.4314	Y
9	IC 240-582961/11	62.5	27.405665	25.0	1149038.0	0.438491	Y



Calibration

/ Isobutyl alcohol

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

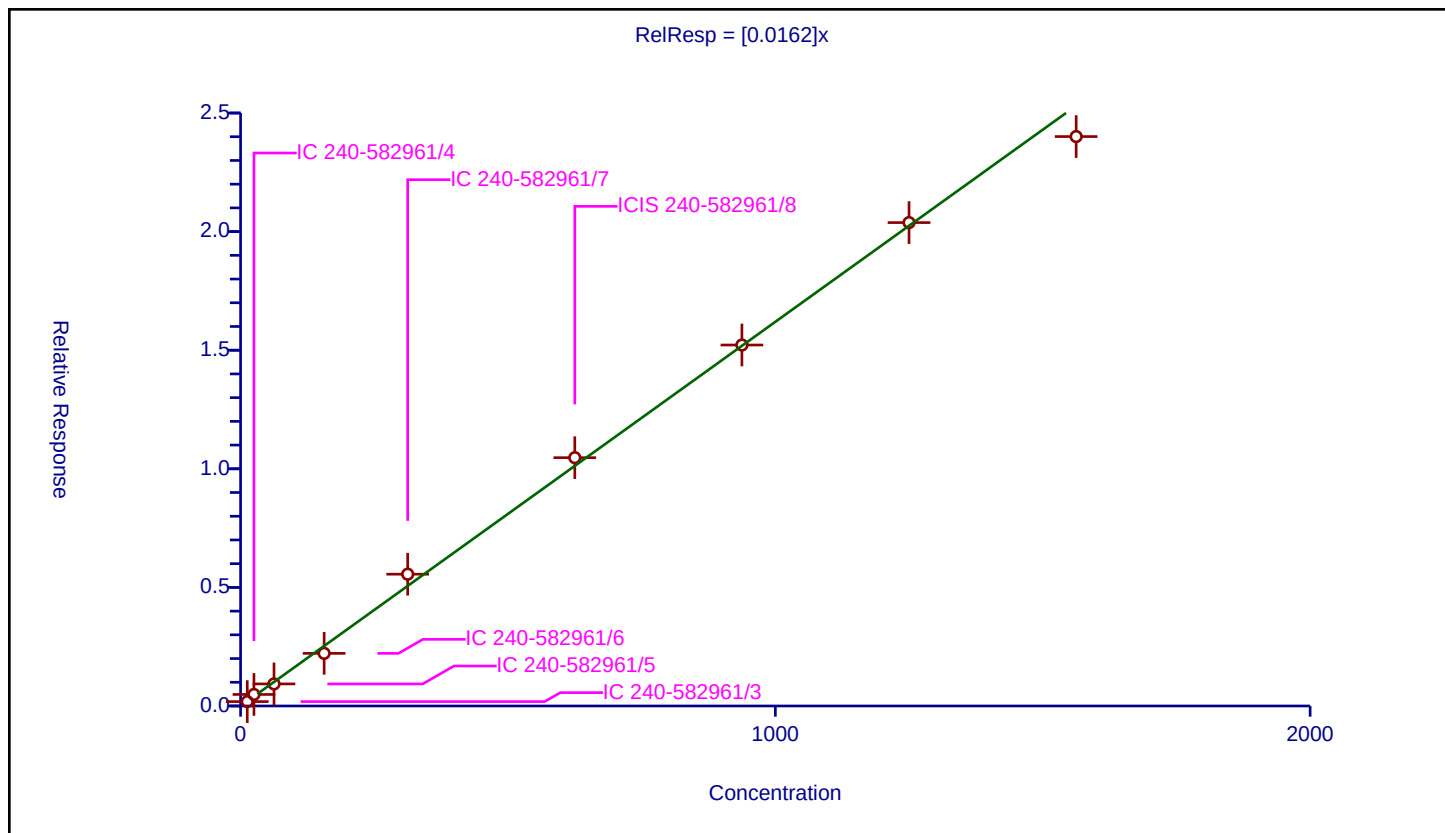
Curve Coefficients

Intercept: 0
 Slope: 0.0162

Error Coefficients

Standard Error: 588000
 Relative Standard Error: 10.1
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	12.5	0.185264	25.0	1093033.0	0.014821	Y
2	IC 240-582961/4	25.0	0.485855	25.0	1111185.0	0.019434	Y
3	IC 240-582961/5	62.5	0.930391	25.0	1145567.0	0.014886	Y
4	IC 240-582961/6	156.25	2.218404	25.0	1119634.0	0.014198	Y
5	IC 240-582961/7	312.5	5.556387	25.0	918974.0	0.01778	Y
6	ICIS 240-582961/8	625.0	10.46902	25.0	1078248.0	0.01675	Y
7	IC 240-582961/9	937.5	15.218317	25.0	1104884.0	0.016233	Y
8	IC 240-582961/10	1250.0	20.380786	25.0	1122507.0	0.016305	Y
9	IC 240-582961/11	1562.5	24.007017	25.0	1149038.0	0.015364	Y



Calibration

/ n-Heptane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

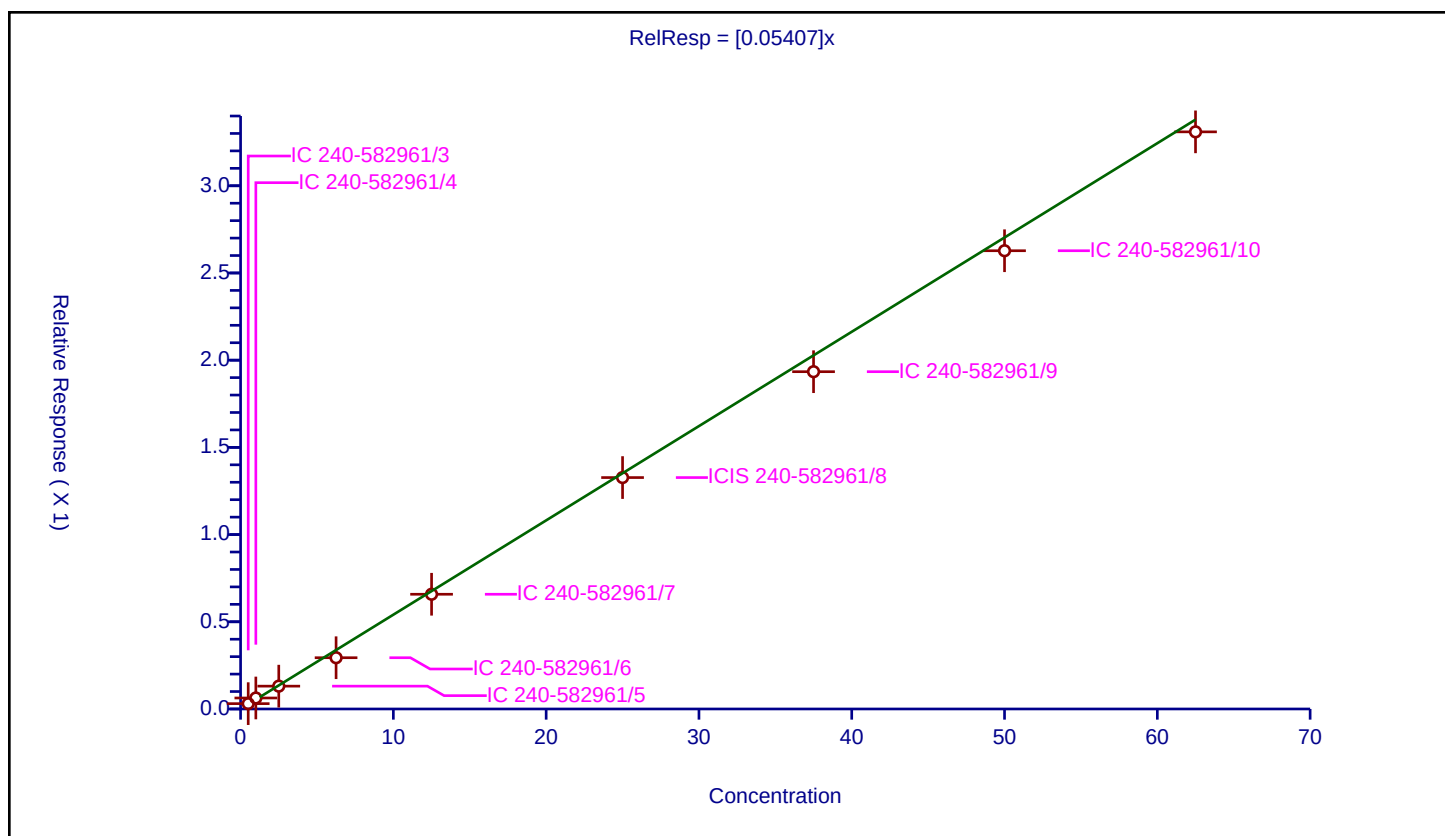
Curve Coefficients

Intercept: 0
Slope: 0.05407

Error Coefficients

Standard Error: 77800
Relative Standard Error: 9.2
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.030626	25.0	1093033.0	0.061252	Y
2	IC 240-582961/4	1.0	0.063131	25.0	1111185.0	0.063131	Y
3	IC 240-582961/5	2.5	0.131027	25.0	1145567.0	0.052411	Y
4	IC 240-582961/6	6.25	0.293935	25.0	1119634.0	0.04703	Y
5	IC 240-582961/7	12.5	0.65788	25.0	918974.0	0.05263	Y
6	ICIS 240-582961/8	25.0	1.326944	25.0	1078248.0	0.053078	Y
7	IC 240-582961/9	37.5	1.933981	25.0	1104884.0	0.051573	Y
8	IC 240-582961/10	50.0	2.627467	25.0	1122507.0	0.052549	Y
9	IC 240-582961/11	62.5	3.309116	25.0	1149038.0	0.052946	Y



Calibration

/ Trichloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

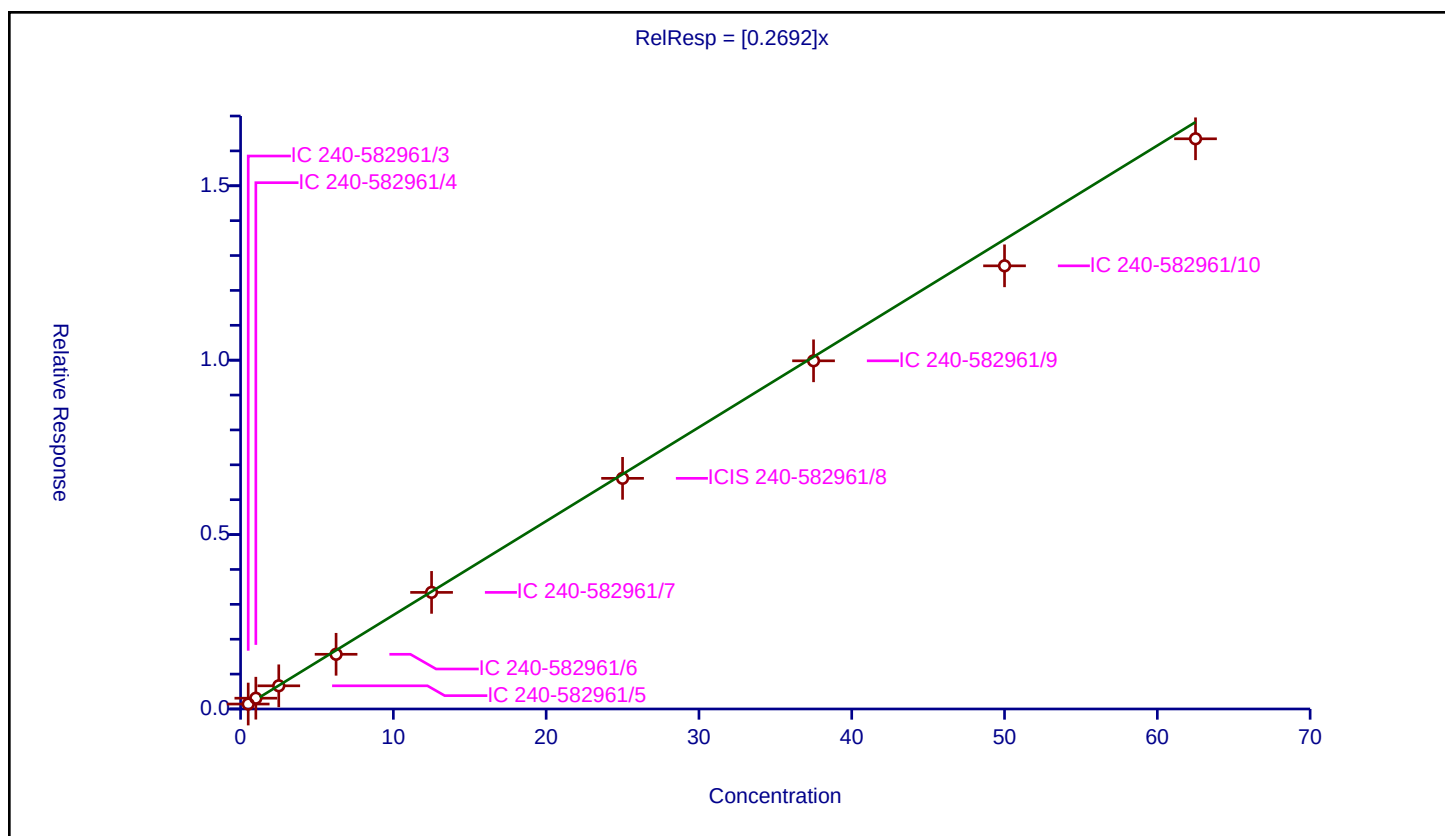
Curve Coefficients

Intercept: 0
Slope: 0.2692

Error Coefficients

Standard Error: 385000
Relative Standard Error: 6.5
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.141601	25.0	1093033.0	0.283203	Y
2	IC 240-582961/4	1.0	0.309107	25.0	1111185.0	0.309107	Y
3	IC 240-582961/5	2.5	0.664736	25.0	1145567.0	0.265895	Y
4	IC 240-582961/6	6.25	1.568705	25.0	1119634.0	0.250993	Y
5	IC 240-582961/7	12.5	3.343076	25.0	918974.0	0.267446	Y
6	ICIS 240-582961/8	25.0	6.612973	25.0	1078248.0	0.264519	Y
7	IC 240-582961/9	37.5	9.981908	25.0	1104884.0	0.266184	Y
8	IC 240-582961/10	50.0	12.704709	25.0	1122507.0	0.254094	Y
9	IC 240-582961/11	62.5	16.346848	25.0	1149038.0	0.26155	Y



Calibration

/ Methylcyclohexane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

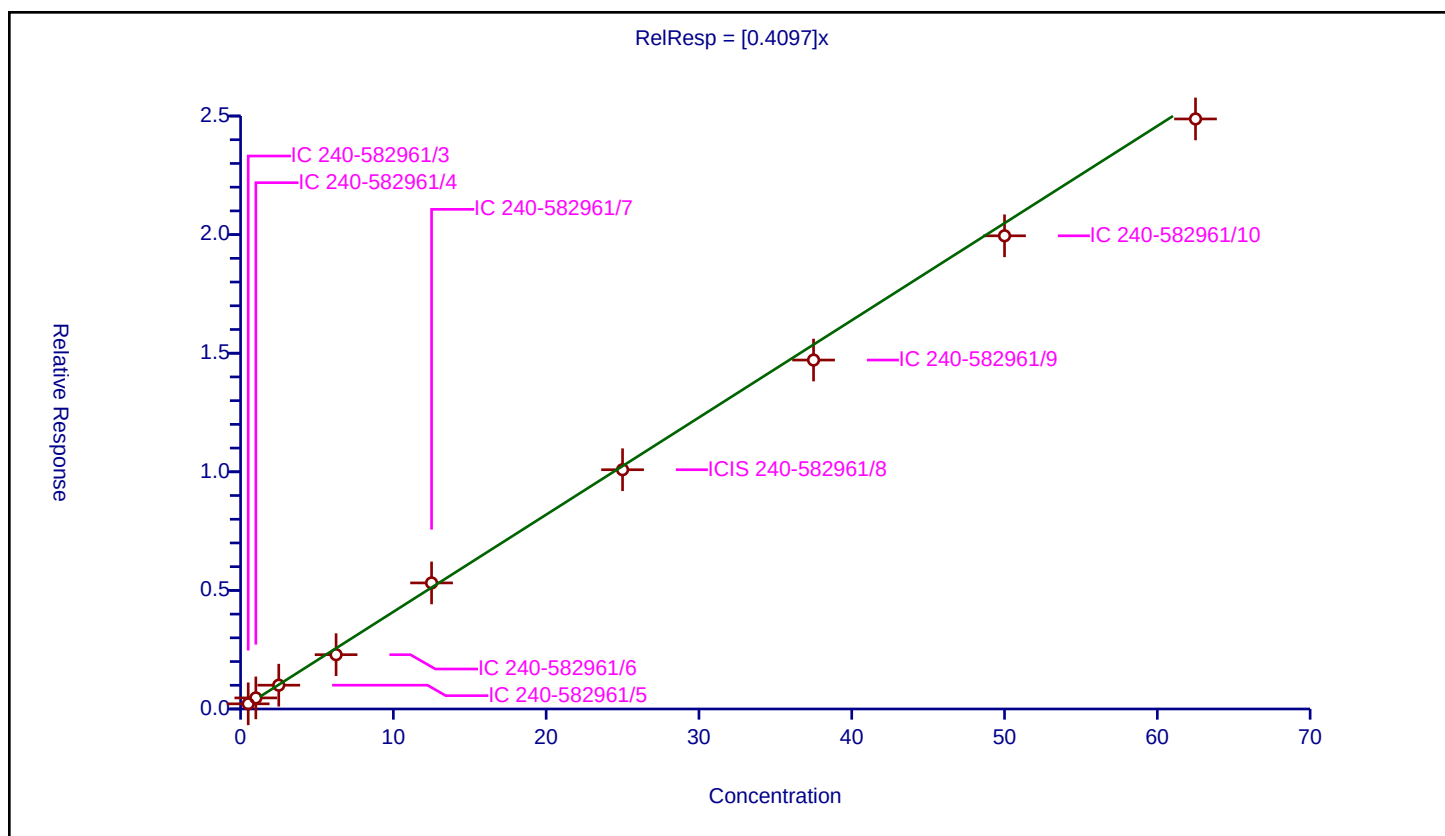
Curve Coefficients

Intercept: 0
Slope: 0.4097

Error Coefficients

Standard Error: 589000
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 240-582961/3	0.5	0.217308	25.0	1093033.0	0.434616	Y
2	IC 240-582961/4	1.0	0.466799	25.0	1111185.0	0.466799	Y
3	IC 240-582961/5	2.5	1.003106	25.0	1145567.0	0.401242	Y
4	IC 240-582961/6	6.25	2.289096	25.0	1119634.0	0.366255	Y
5	IC 240-582961/7	12.5	5.314922	25.0	918974.0	0.425194	Y
6	ICIS 240-582961/8	25.0	10.087382	25.0	1078248.0	0.403495	Y
7	IC 240-582961/9	37.5	14.711318	25.0	1104884.0	0.392302	Y
8	IC 240-582961/10	50.0	19.950121	25.0	1122507.0	0.399002	Y
9	IC 240-582961/11	62.5	24.875874	25.0	1149038.0	0.398014	Y



Calibration

/ 1,2-Dichloropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

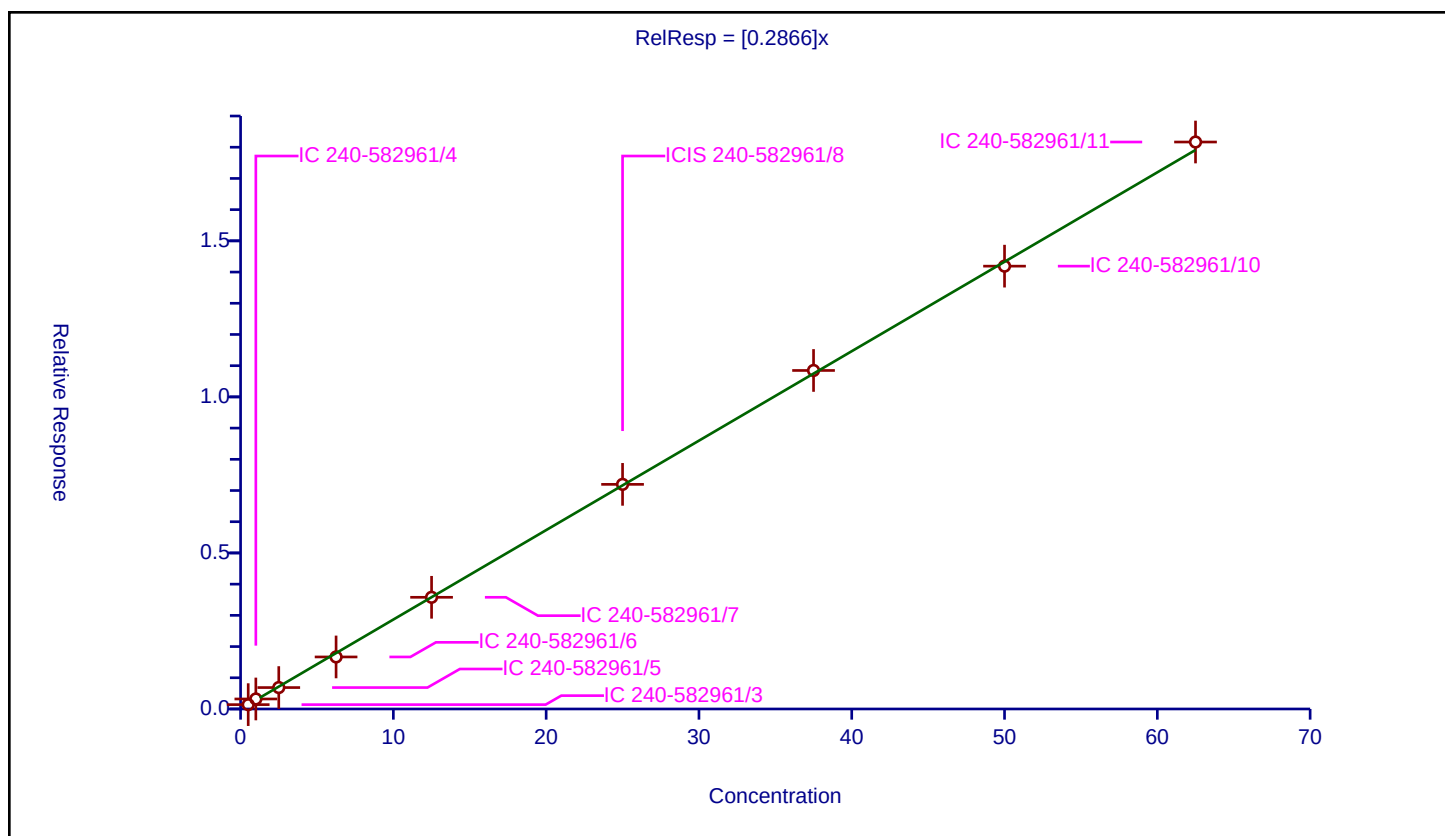
Curve Coefficients

Intercept: 0
Slope: 0.2866

Error Coefficients

Standard Error: 426000
Relative Standard Error: 5.3
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.139406	25.0	1093033.0	0.278811	Y
2	IC 240-582961/4	1.0	0.321009	25.0	1111185.0	0.321009	Y
3	IC 240-582961/5	2.5	0.686865	25.0	1145567.0	0.274746	Y
4	IC 240-582961/6	6.25	1.667241	25.0	1119634.0	0.266759	Y
5	IC 240-582961/7	12.5	3.579155	25.0	918974.0	0.286332	Y
6	ICIS 240-582961/8	25.0	7.197857	25.0	1078248.0	0.287914	Y
7	IC 240-582961/9	37.5	10.846523	25.0	1104884.0	0.289241	Y
8	IC 240-582961/10	50.0	14.18931	25.0	1122507.0	0.283786	Y
9	IC 240-582961/11	62.5	18.166523	25.0	1149038.0	0.290664	Y



Calibration

/ Dibromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

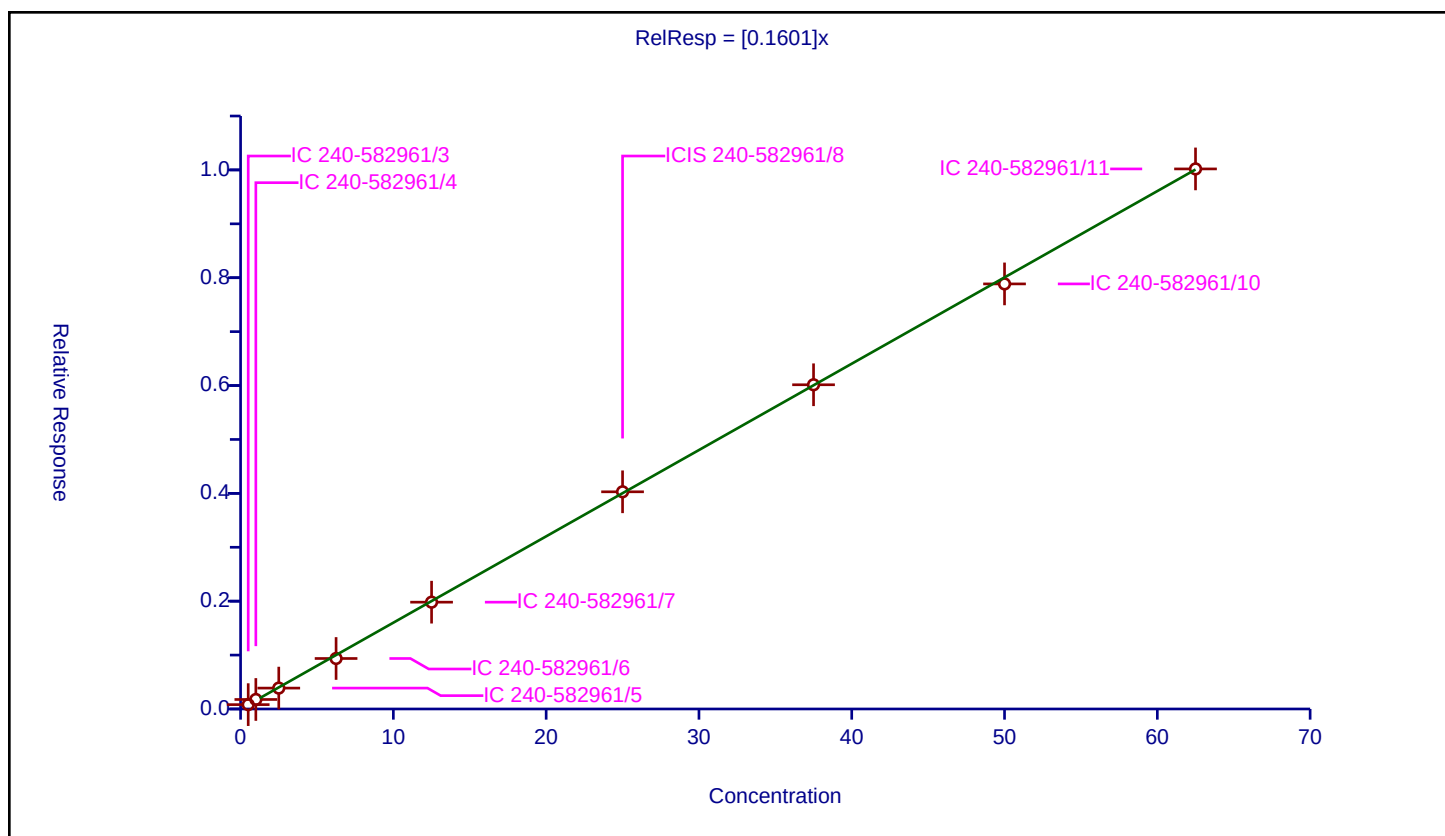
Curve Coefficients

Intercept: 0
Slope: 0.1601

Error Coefficients

Standard Error: 236000
Relative Standard Error: 4.5
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.080784	25.0	1093033.0	0.161569	Y
2	IC 240-582961/4	1.0	0.176523	25.0	1111185.0	0.176523	Y
3	IC 240-582961/5	2.5	0.387625	25.0	1145567.0	0.15505	Y
4	IC 240-582961/6	6.25	0.936869	25.0	1119634.0	0.149899	Y
5	IC 240-582961/7	12.5	1.981449	25.0	918974.0	0.158516	Y
6	ICIS 240-582961/8	25.0	4.028827	25.0	1078248.0	0.161153	Y
7	IC 240-582961/9	37.5	6.014545	25.0	1104884.0	0.160388	Y
8	IC 240-582961/10	50.0	7.885341	25.0	1122507.0	0.157707	Y
9	IC 240-582961/11	62.5	10.018446	25.0	1149038.0	0.160295	Y



Calibration

/ 1,4-Dioxane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

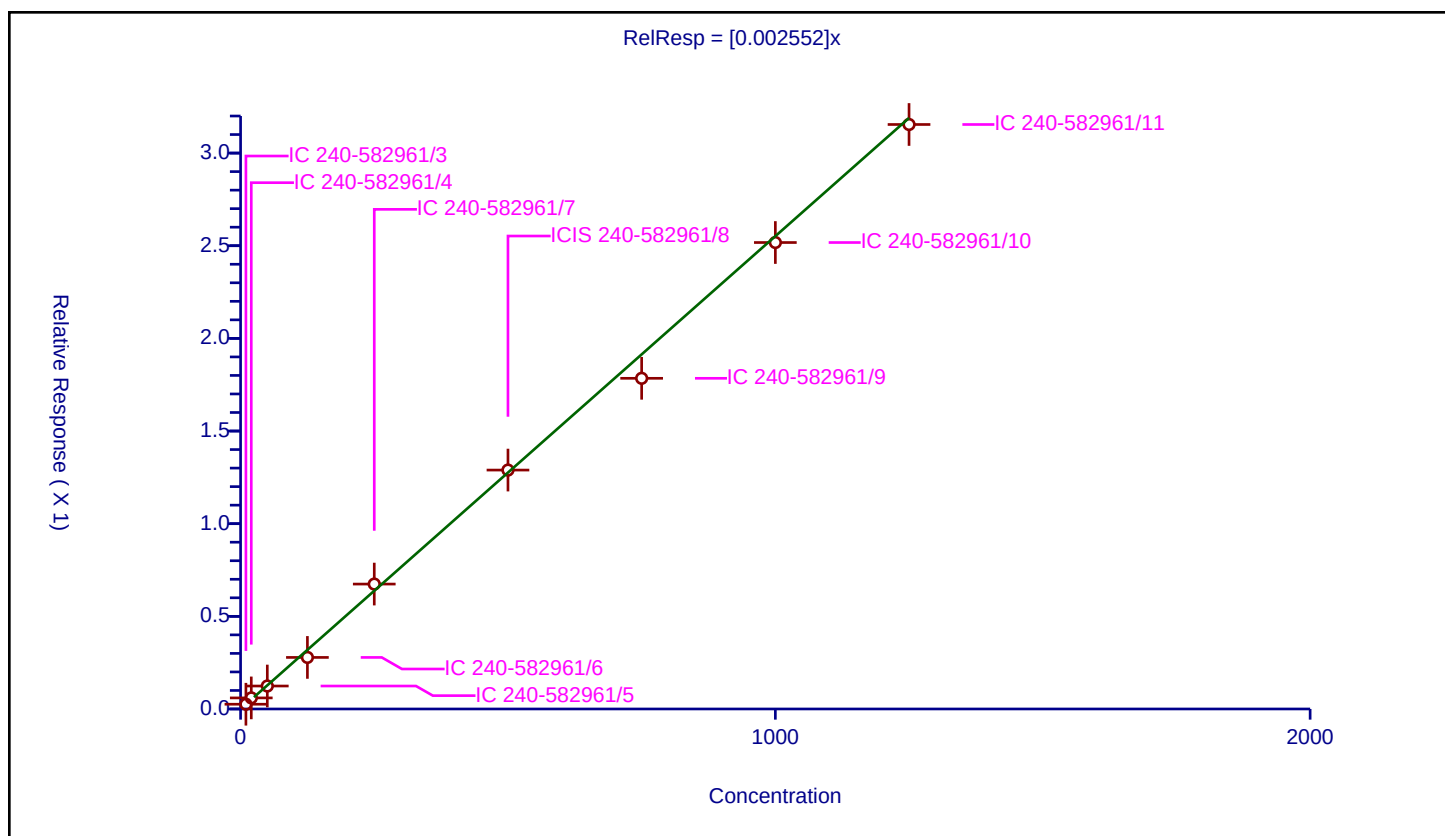
Curve Coefficients

Intercept: 0
Slope: 0.002552

Error Coefficients

Standard Error: 74100
Relative Standard Error: 8.3
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	10.0	0.025731	25.0	1093033.0	0.002573	Y
2	IC 240-582961/4	20.0	0.059801	25.0	1111185.0	0.00299	Y
3	IC 240-582961/5	50.0	0.123934	25.0	1145567.0	0.002479	Y
4	IC 240-582961/6	125.0	0.278305	25.0	1119634.0	0.002226	Y
5	IC 240-582961/7	250.0	0.674203	25.0	918974.0	0.002697	Y
6	ICIS 240-582961/8	500.0	1.289383	25.0	1078248.0	0.002579	Y
7	IC 240-582961/9	750.0	1.784554	25.0	1104884.0	0.002379	Y
8	IC 240-582961/10	1000.0	2.517245	25.0	1122507.0	0.002517	Y
9	IC 240-582961/11	1250.0	3.154226	25.0	1149038.0	0.002523	Y



Calibration

/ Dichlorobromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

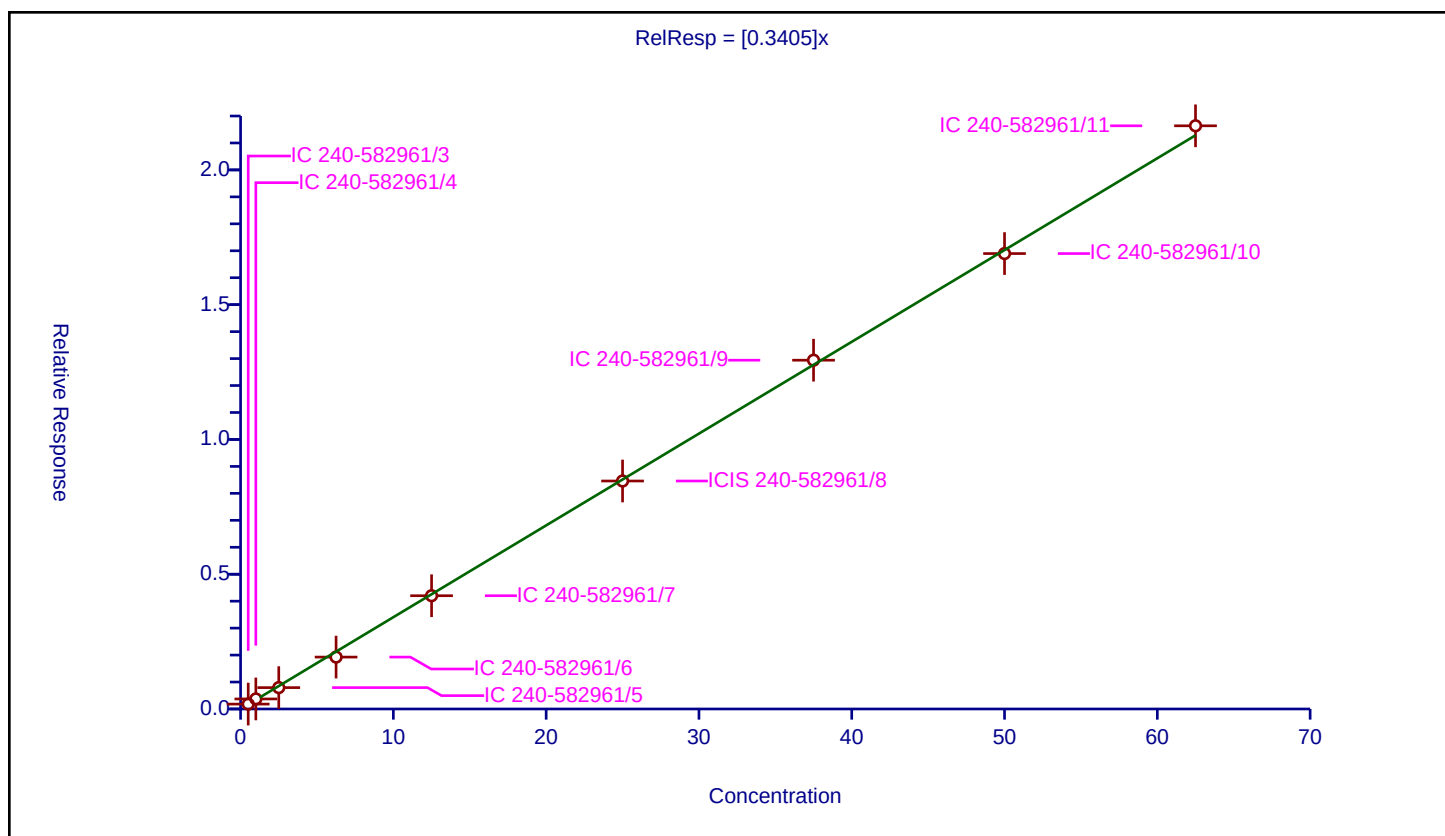
Curve Coefficients

Intercept: 0
Slope: 0.3405

Error Coefficients

Standard Error: 507000
Relative Standard Error: 5.9
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.181422	25.0	1093033.0	0.362844	Y
2	IC 240-582961/4	1.0	0.372935	25.0	1111185.0	0.372935	Y
3	IC 240-582961/5	2.5	0.793297	25.0	1145567.0	0.317319	Y
4	IC 240-582961/6	6.25	1.925808	25.0	1119634.0	0.308129	Y
5	IC 240-582961/7	12.5	4.20205	25.0	918974.0	0.336164	Y
6	ICIS 240-582961/8	25.0	8.458444	25.0	1078248.0	0.338338	Y
7	IC 240-582961/9	37.5	12.940453	25.0	1104884.0	0.345079	Y
8	IC 240-582961/10	50.0	16.897177	25.0	1122507.0	0.337944	Y
9	IC 240-582961/11	62.5	21.636926	25.0	1149038.0	0.346191	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

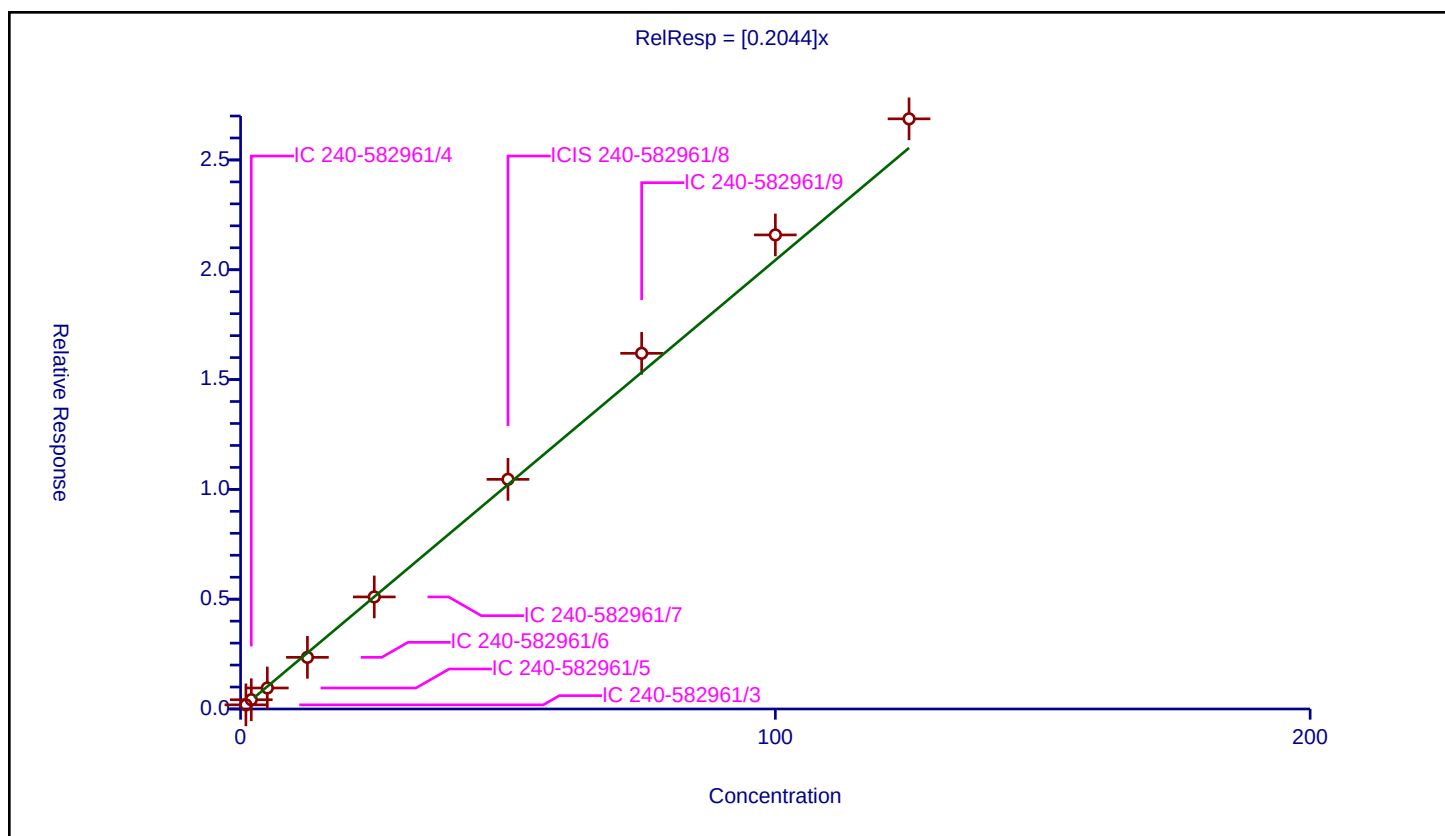
Curve Coefficients

Intercept: 0
Slope: 0.2044

Error Coefficients

Standard Error: 635000
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 240-582961/3	1.0	0.188855	25.0	1093033.0	0.188855	Y
2	IC 240-582961/4	2.0	0.422319	25.0	1111185.0	0.21116	Y
3	IC 240-582961/5	5.0	0.956295	25.0	1145567.0	0.191259	Y
4	IC 240-582961/6	12.5	2.351728	25.0	1119634.0	0.188138	Y
5	IC 240-582961/7	25.0	5.103246	25.0	918974.0	0.20413	Y
6	ICIS 240-582961/8	50.0	10.455781	25.0	1078248.0	0.209116	Y
7	IC 240-582961/9	75.0	16.194664	25.0	1104884.0	0.215929	Y
8	IC 240-582961/10	100.0	21.585367	25.0	1122507.0	0.215854	Y
9	IC 240-582961/11	125.0	26.871848	25.0	1149038.0	0.214975	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

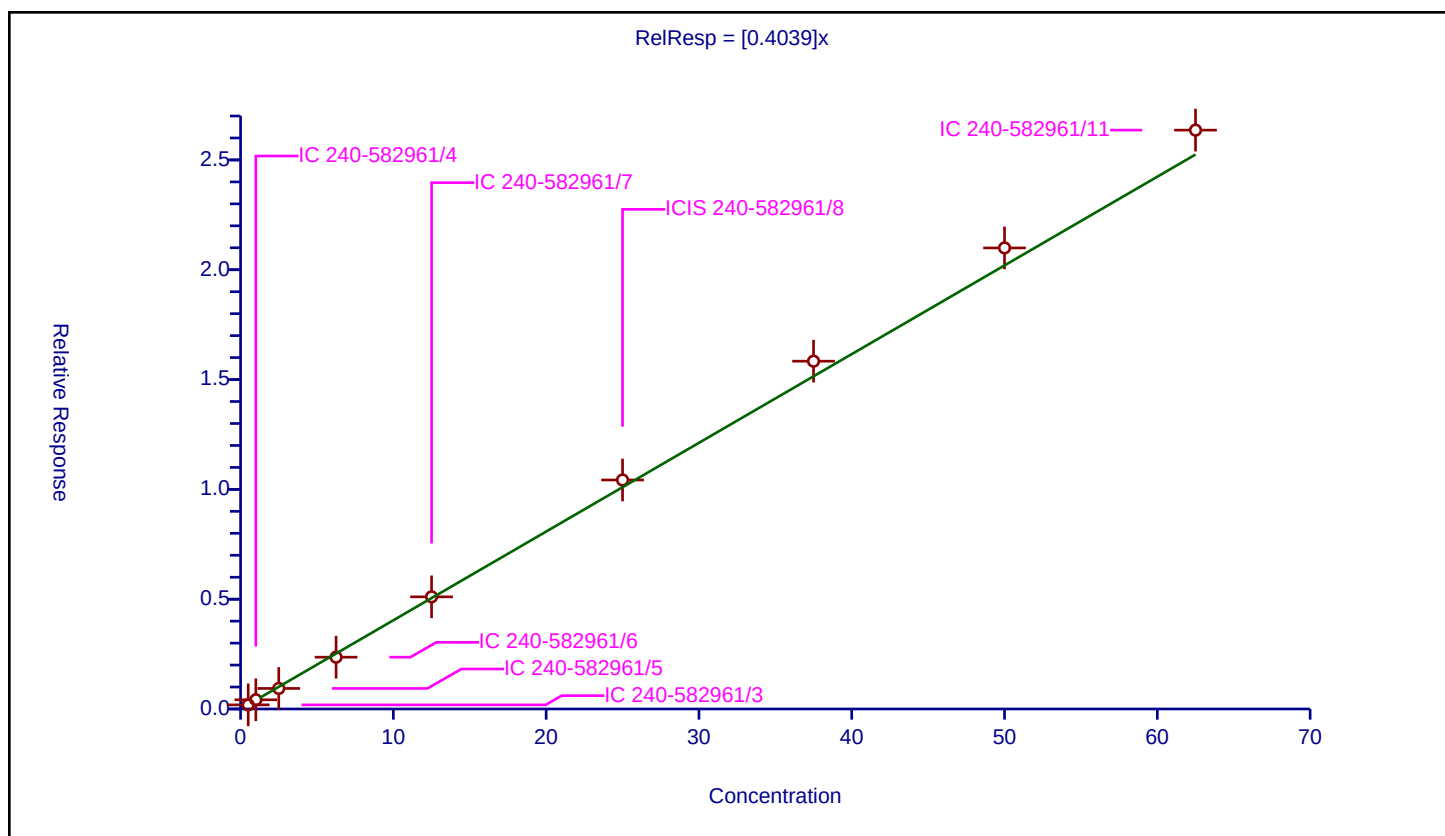
Curve Coefficients

Intercept: 0
Slope: 0.4039

Error Coefficients

Standard Error: 622000
Relative Standard Error: 5.4
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.187574	25.0	1093033.0	0.375149	Y
2	IC 240-582961/4	1.0	0.419215	25.0	1111185.0	0.419215	Y
3	IC 240-582961/5	2.5	0.935585	25.0	1145567.0	0.374234	Y
4	IC 240-582961/6	6.25	2.358941	25.0	1119634.0	0.37743	Y
5	IC 240-582961/7	12.5	5.106755	25.0	918974.0	0.40854	Y
6	ICIS 240-582961/8	25.0	10.426613	25.0	1078248.0	0.417065	Y
7	IC 240-582961/9	37.5	15.836504	25.0	1104884.0	0.422307	Y
8	IC 240-582961/10	50.0	20.993789	25.0	1122507.0	0.419876	Y
9	IC 240-582961/11	62.5	26.358136	25.0	1149038.0	0.42173	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

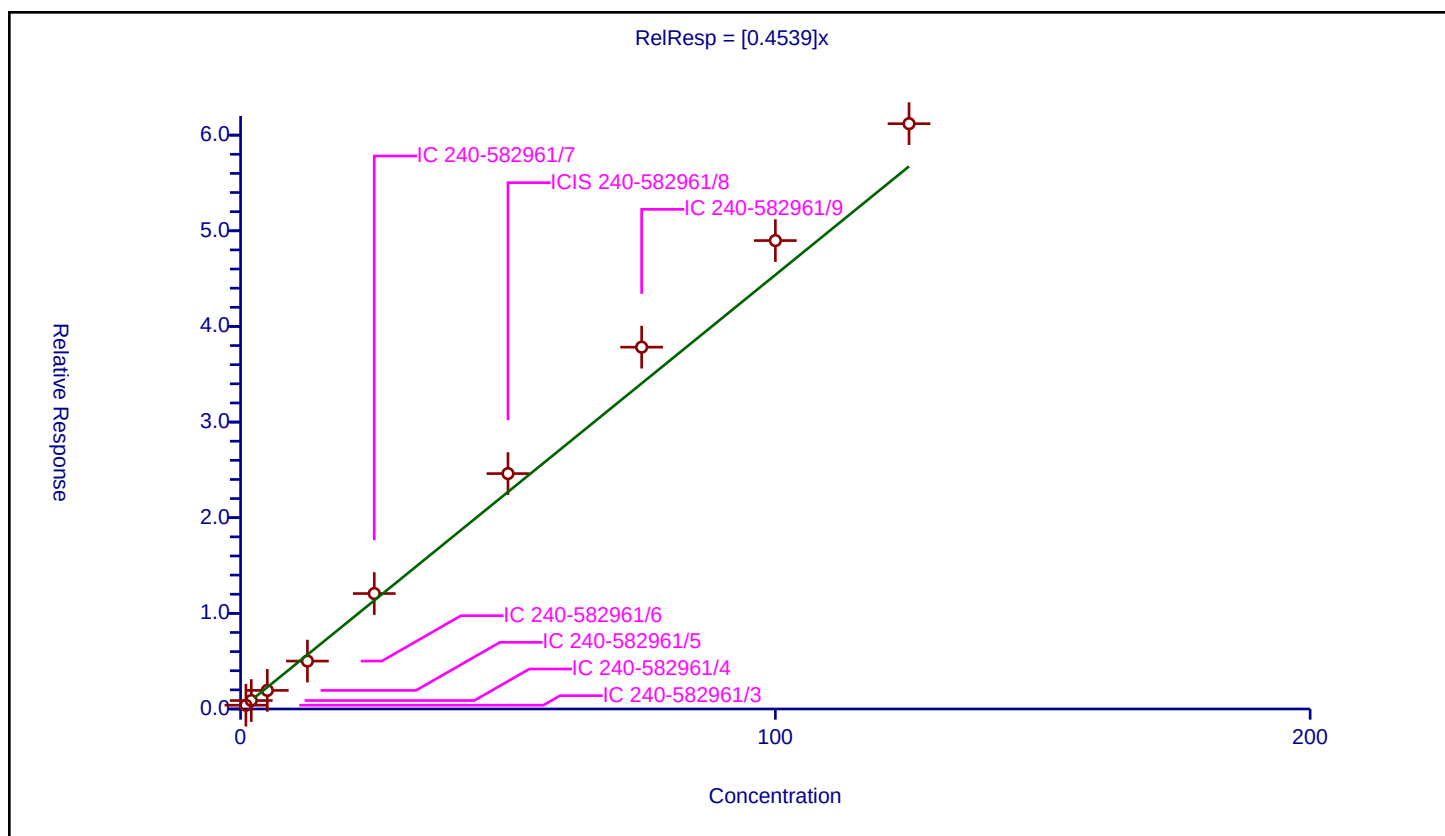
Curve Coefficients

Intercept: 0
Slope: 0.4539

Error Coefficients

Standard Error: 1450000
Relative Standard Error: 10.5
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	1.0	0.394384	25.0	1093033.0	0.394384	Y
2	IC 240-582961/4	2.0	0.884214	25.0	1111185.0	0.442107	Y
3	IC 240-582961/5	5.0	1.943579	25.0	1145567.0	0.388716	Y
4	IC 240-582961/6	12.5	5.010365	25.0	1119634.0	0.400829	Y
5	IC 240-582961/7	25.0	12.071778	25.0	918974.0	0.482871	Y
6	ICIS 240-582961/8	50.0	24.613493	25.0	1078248.0	0.49227	Y
7	IC 240-582961/9	75.0	37.831551	25.0	1104884.0	0.504421	Y
8	IC 240-582961/10	100.0	48.976599	25.0	1122507.0	0.489766	Y
9	IC 240-582961/11	125.0	61.198389	25.0	1149038.0	0.489587	Y



Calibration

/ Toluene-d8 (Surr)

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

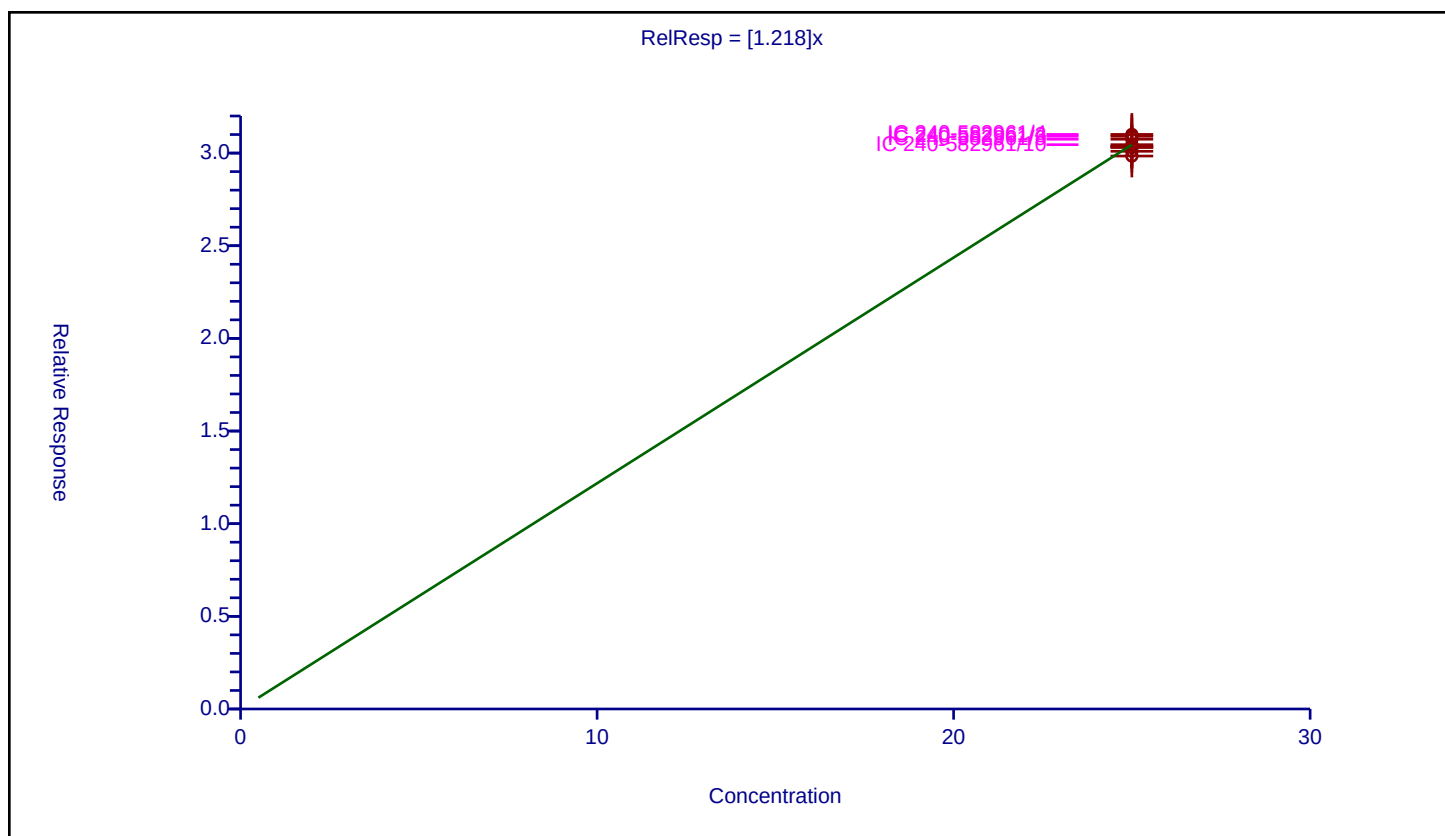
Curve Coefficients

Intercept: 0
 Slope: 1.218

Error Coefficients

Standard Error: 1030000
 Relative Standard Error: 1.2
 Correlation Coefficient: 0.00000000000000000000
 Coefficient of Determination (Adjusted): 0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	25.0	30.906993	25.0	778848.0	1.23628	Y
2	IC 240-582961/4	25.0	31.006873	25.0	788501.0	1.240275	Y
3	IC 240-582961/5	25.0	30.298687	25.0	832126.0	1.211947	Y
4	IC 240-582961/6	25.0	29.839978	25.0	818981.0	1.193599	Y
5	IC 240-582961/7	25.0	30.335478	25.0	672995.0	1.213419	Y
6	ICIS 240-582961/8	25.0	30.09542	25.0	790347.0	1.203817	Y
7	IC 240-582961/9	25.0	30.746828	25.0	809303.0	1.229873	Y
8	IC 240-582961/10	25.0	30.453191	25.0	839183.0	1.218128	Y
9	IC 240-582961/11	25.0	30.365584	25.0	842010.0	1.214623	Y



Calibration

/ Toluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

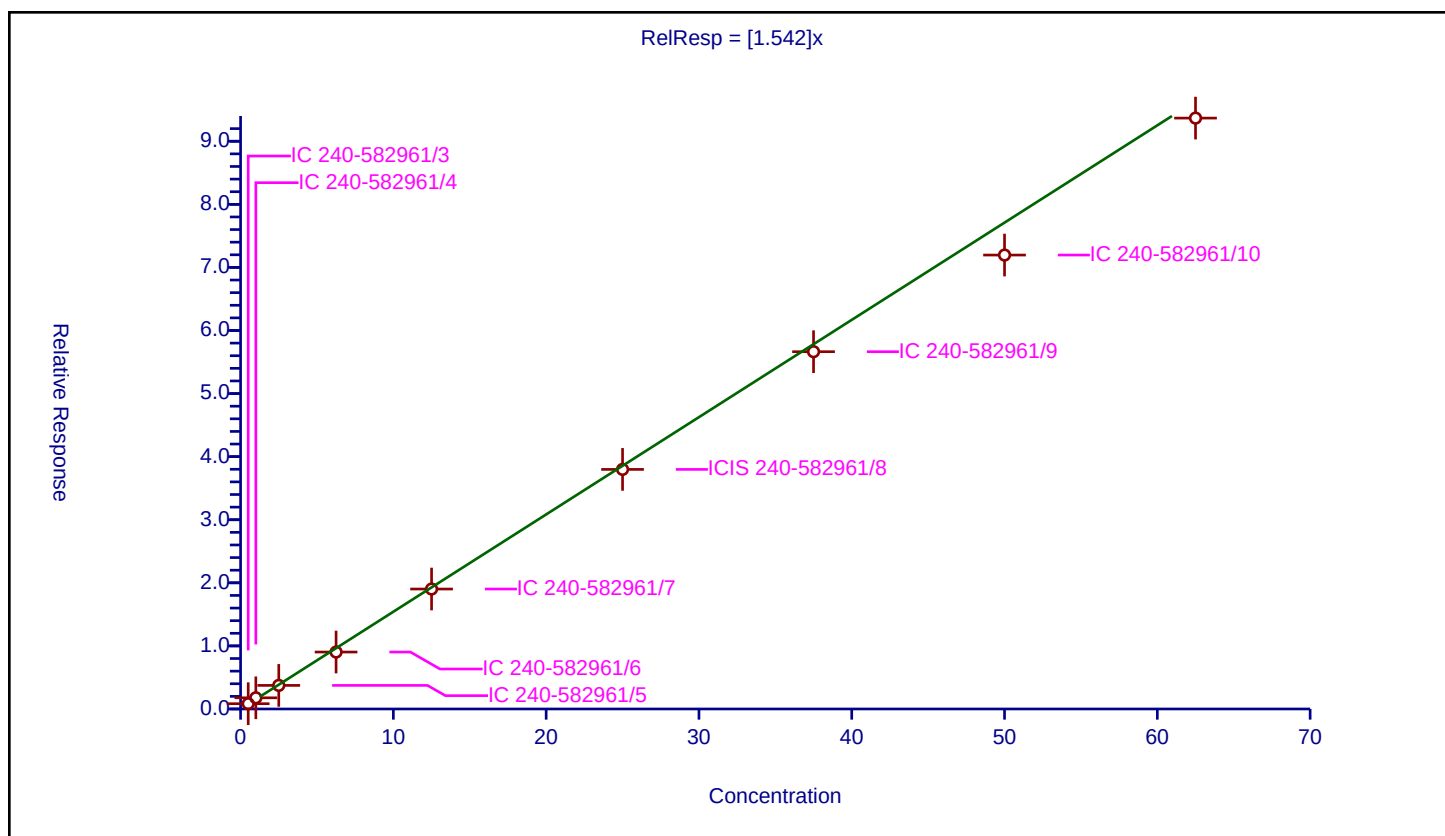
Curve Coefficients

Intercept: 0
Slope: 1.542

Error Coefficients

Standard Error: 1620000
Relative Standard Error: 7.2
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.837776	25.0	778848.0	1.675552	Y
2	IC 240-582961/4	1.0	1.773809	25.0	788501.0	1.773809	Y
3	IC 240-582961/5	2.5	3.739247	25.0	832126.0	1.495699	Y
4	IC 240-582961/6	6.25	9.026736	25.0	818981.0	1.444278	Y
5	IC 240-582961/7	12.5	19.015892	25.0	672995.0	1.521271	Y
6	ICIS 240-582961/8	25.0	37.980374	25.0	790347.0	1.519215	Y
7	IC 240-582961/9	37.5	56.639479	25.0	809303.0	1.510386	Y
8	IC 240-582961/10	50.0	71.960675	25.0	839183.0	1.439213	Y
9	IC 240-582961/11	62.5	93.668632	25.0	842010.0	1.498698	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

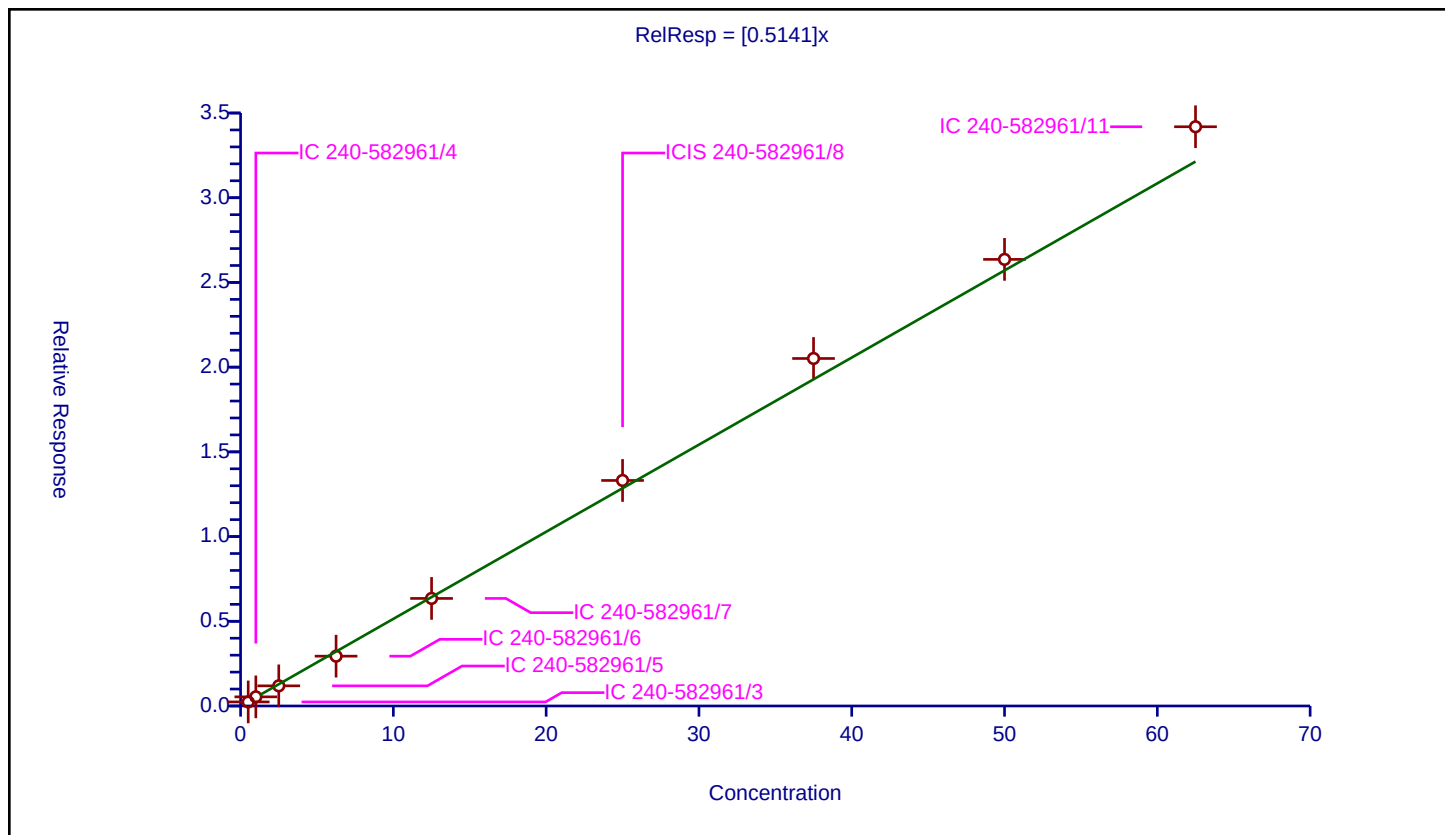
Curve Coefficients

Intercept: 0
Slope: 0.5141

Error Coefficients

Standard Error: 588000
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 240-582961/3	0.5	0.240194	25.0	778848.0	0.480389	Y
2	IC 240-582961/4	1.0	0.538997	25.0	788501.0	0.538997	Y
3	IC 240-582961/5	2.5	1.189333	25.0	832126.0	0.475733	Y
4	IC 240-582961/6	6.25	2.941124	25.0	818981.0	0.47058	Y
5	IC 240-582961/7	12.5	6.348264	25.0	672995.0	0.507861	Y
6	ICIS 240-582961/8	25.0	13.312191	25.0	790347.0	0.532488	Y
7	IC 240-582961/9	37.5	20.511632	25.0	809303.0	0.546977	Y
8	IC 240-582961/10	50.0	26.360192	25.0	839183.0	0.527204	Y
9	IC 240-582961/11	62.5	34.188875	25.0	842010.0	0.547022	Y



Calibration

/ Ethyl methacrylate

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

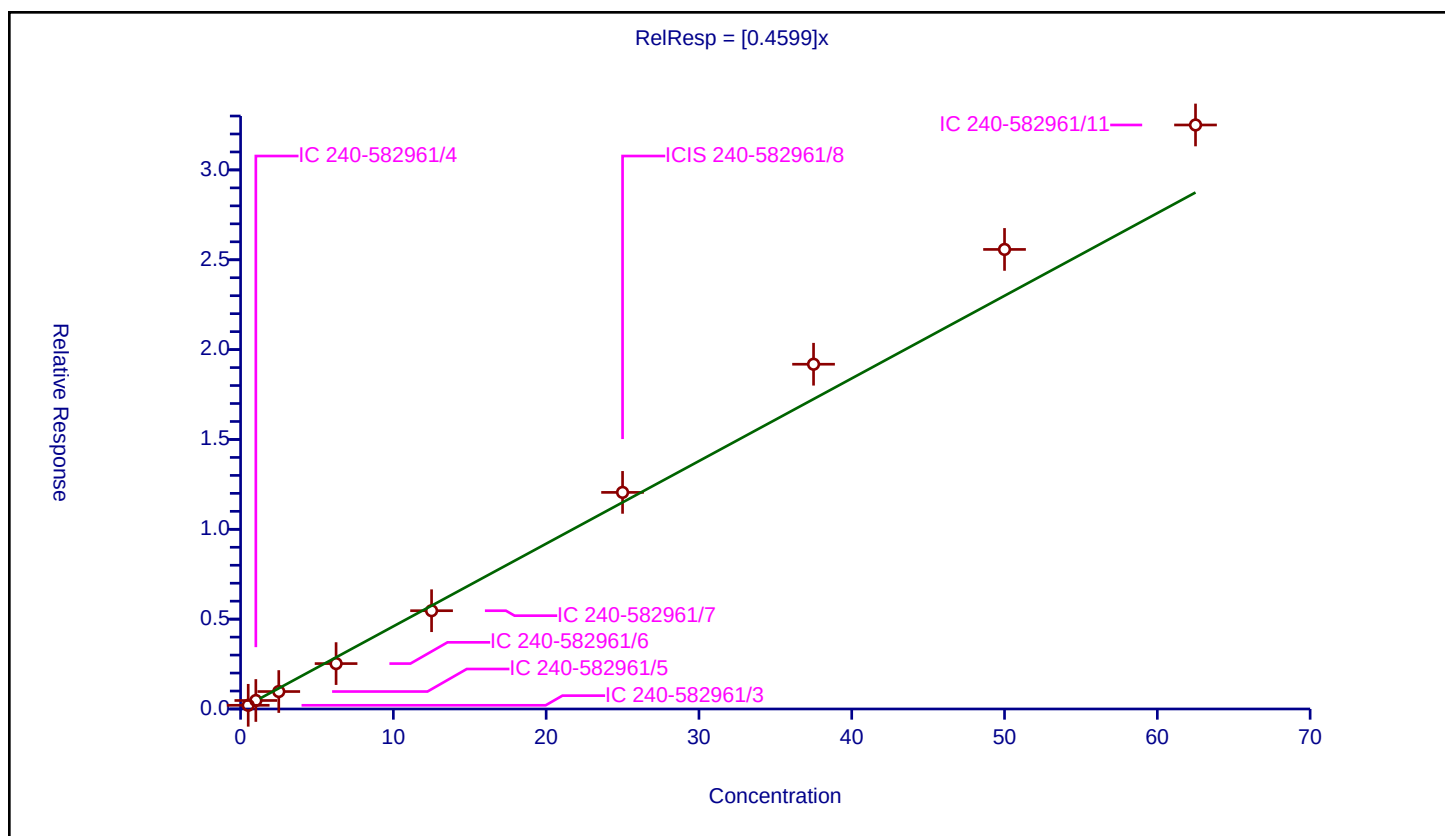
Curve Coefficients

Intercept: 0
Slope: 0.4599

Error Coefficients

Standard Error: 559000
Relative Standard Error: 11.0
Correlation Coefficient: 0.996
Coefficient of Determination (Adjusted): 0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.20556	25.0	778848.0	0.41112	Y
2	IC 240-582961/4	1.0	0.472193	25.0	788501.0	0.472193	Y
3	IC 240-582961/5	2.5	0.971848	25.0	832126.0	0.388739	Y
4	IC 240-582961/6	6.25	2.52689	25.0	818981.0	0.404302	Y
5	IC 240-582961/7	12.5	5.469134	25.0	672995.0	0.437531	Y
6	ICIS 240-582961/8	25.0	12.054515	25.0	790347.0	0.482181	Y
7	IC 240-582961/9	37.5	19.187004	25.0	809303.0	0.511653	Y
8	IC 240-582961/10	50.0	25.575977	25.0	839183.0	0.51152	Y
9	IC 240-582961/11	62.5	32.500772	25.0	842010.0	0.520012	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

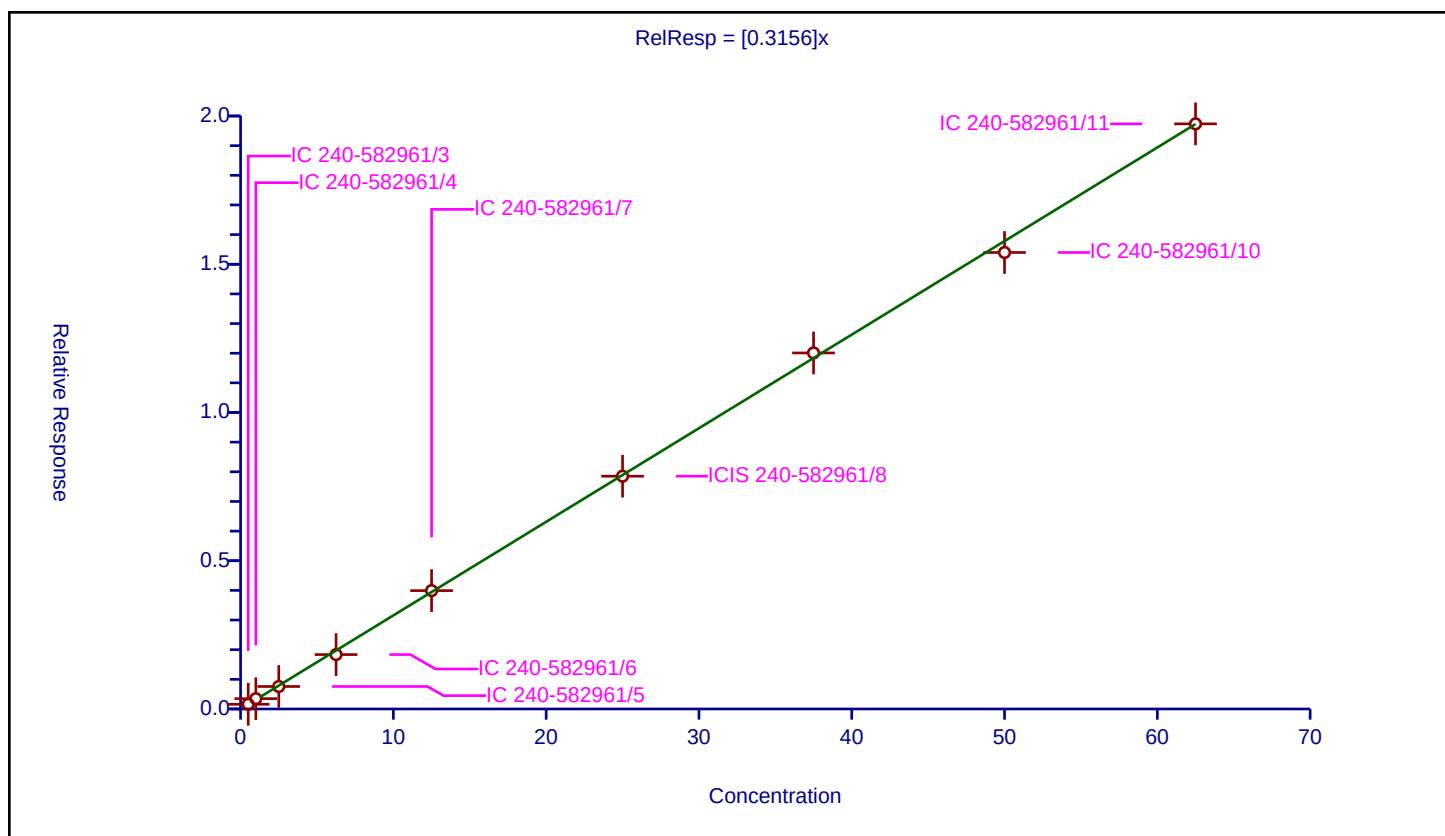
Curve Coefficients

Intercept: 0
Slope: 0.3156

Error Coefficients

Standard Error: 342000
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 240-582961/3	0.5	0.159113	25.0	778848.0	0.318226	Y
2	IC 240-582961/4	1.0	0.348224	25.0	788501.0	0.348224	Y
3	IC 240-582961/5	2.5	0.758509	25.0	832126.0	0.303404	Y
4	IC 240-582961/6	6.25	1.834933	25.0	818981.0	0.293589	Y
5	IC 240-582961/7	12.5	3.992192	25.0	672995.0	0.319375	Y
6	ICIS 240-582961/8	25.0	7.851836	25.0	790347.0	0.314073	Y
7	IC 240-582961/9	37.5	12.008821	25.0	809303.0	0.320235	Y
8	IC 240-582961/10	50.0	15.396493	25.0	839183.0	0.30793	Y
9	IC 240-582961/11	62.5	19.735484	25.0	842010.0	0.315768	Y



Calibration

/ Tetrachloroethene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

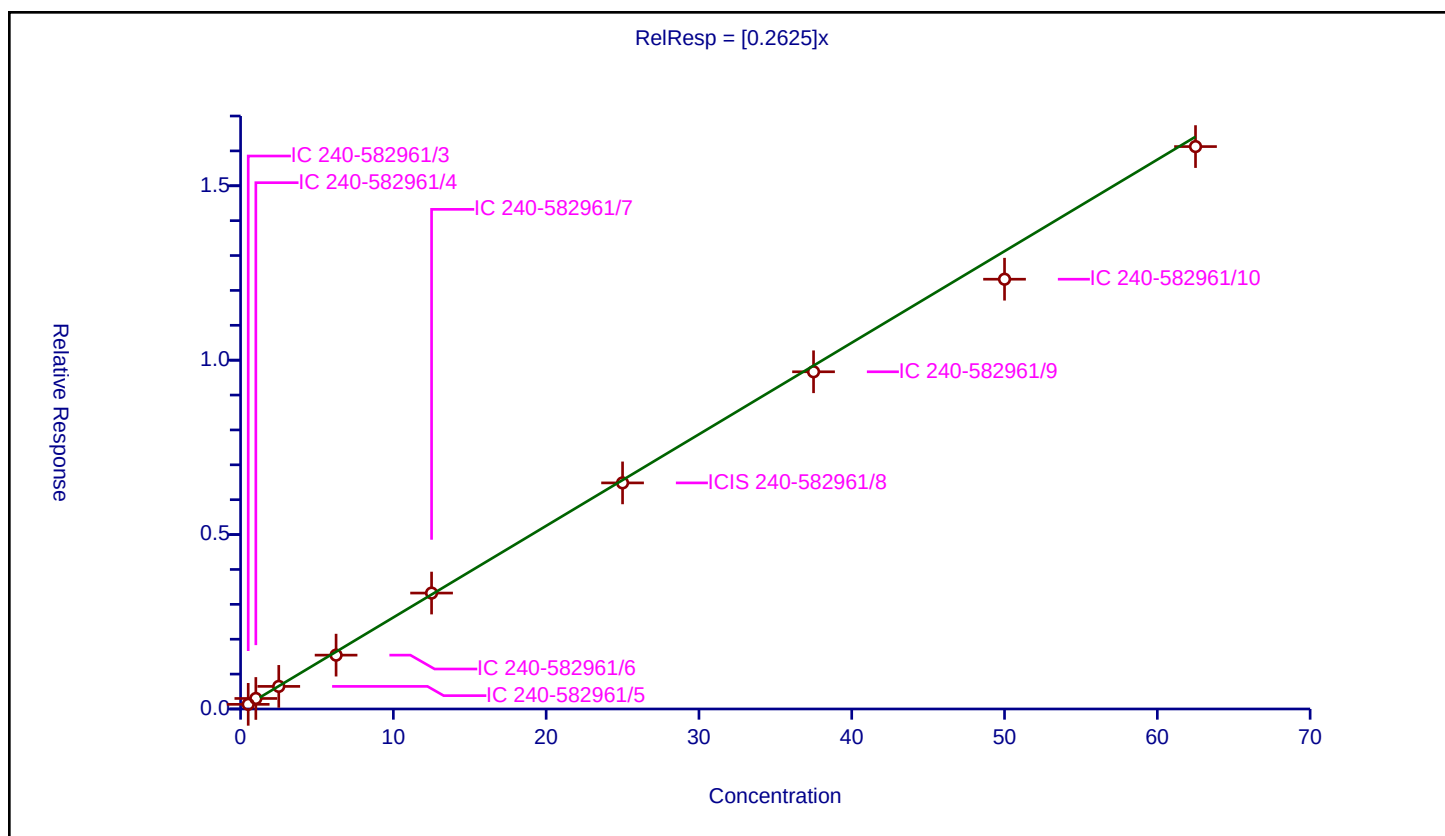
Curve Coefficients

Intercept: 0
Slope: 0.2625

Error Coefficients

Standard Error: 278000
Relative Standard Error: 6.2
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.133723	25.0	778848.0	0.267446	Y
2	IC 240-582961/4	1.0	0.301331	25.0	788501.0	0.301331	Y
3	IC 240-582961/5	2.5	0.648069	25.0	832126.0	0.259228	Y
4	IC 240-582961/6	6.25	1.544297	25.0	818981.0	0.247088	Y
5	IC 240-582961/7	12.5	3.323316	25.0	672995.0	0.265865	Y
6	ICIS 240-582961/8	25.0	6.482216	25.0	790347.0	0.259289	Y
7	IC 240-582961/9	37.5	9.667609	25.0	809303.0	0.257803	Y
8	IC 240-582961/10	50.0	12.321031	25.0	839183.0	0.246421	Y
9	IC 240-582961/11	62.5	16.123858	25.0	842010.0	0.257982	Y



Calibration

/ 1,3-Dichloropropane

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

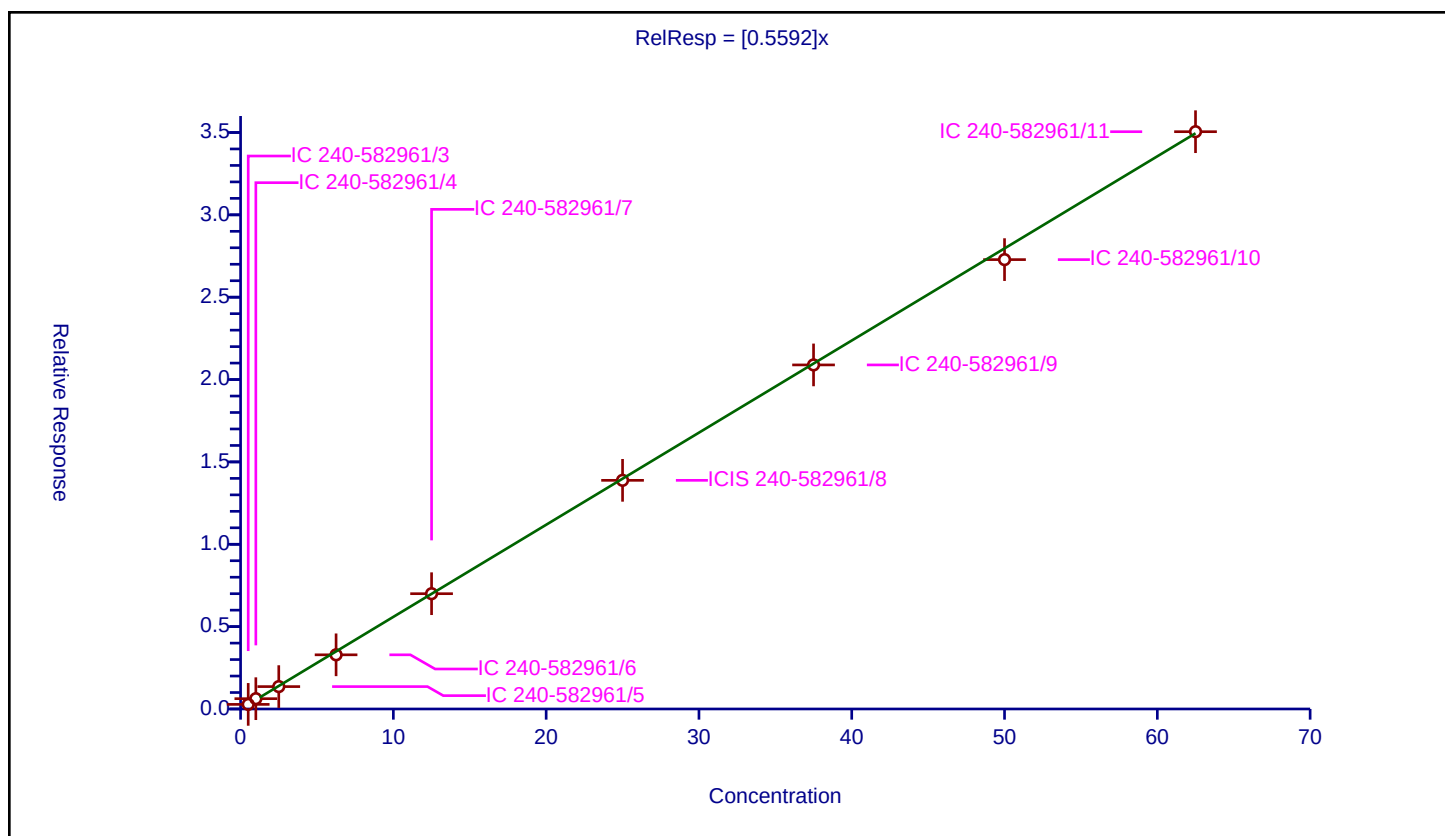
Curve Coefficients

Intercept: 0
 Slope: 0.5592

Error Coefficients

Standard Error: 605000
 Relative Standard Error: 4.9
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.279772	25.0	778848.0	0.559544	Y
2	IC 240-582961/4	1.0	0.625237	25.0	788501.0	0.625237	Y
3	IC 240-582961/5	2.5	1.358598	25.0	832126.0	0.543439	Y
4	IC 240-582961/6	6.25	3.288294	25.0	818981.0	0.526127	Y
5	IC 240-582961/7	12.5	6.999012	25.0	672995.0	0.559921	Y
6	ICIS 240-582961/8	25.0	13.88213	25.0	790347.0	0.555285	Y
7	IC 240-582961/9	37.5	20.889395	25.0	809303.0	0.557051	Y
8	IC 240-582961/10	50.0	27.281326	25.0	839183.0	0.545627	Y
9	IC 240-582961/11	62.5	35.047743	25.0	842010.0	0.560764	Y



Calibration

/ 2-Hexanone

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

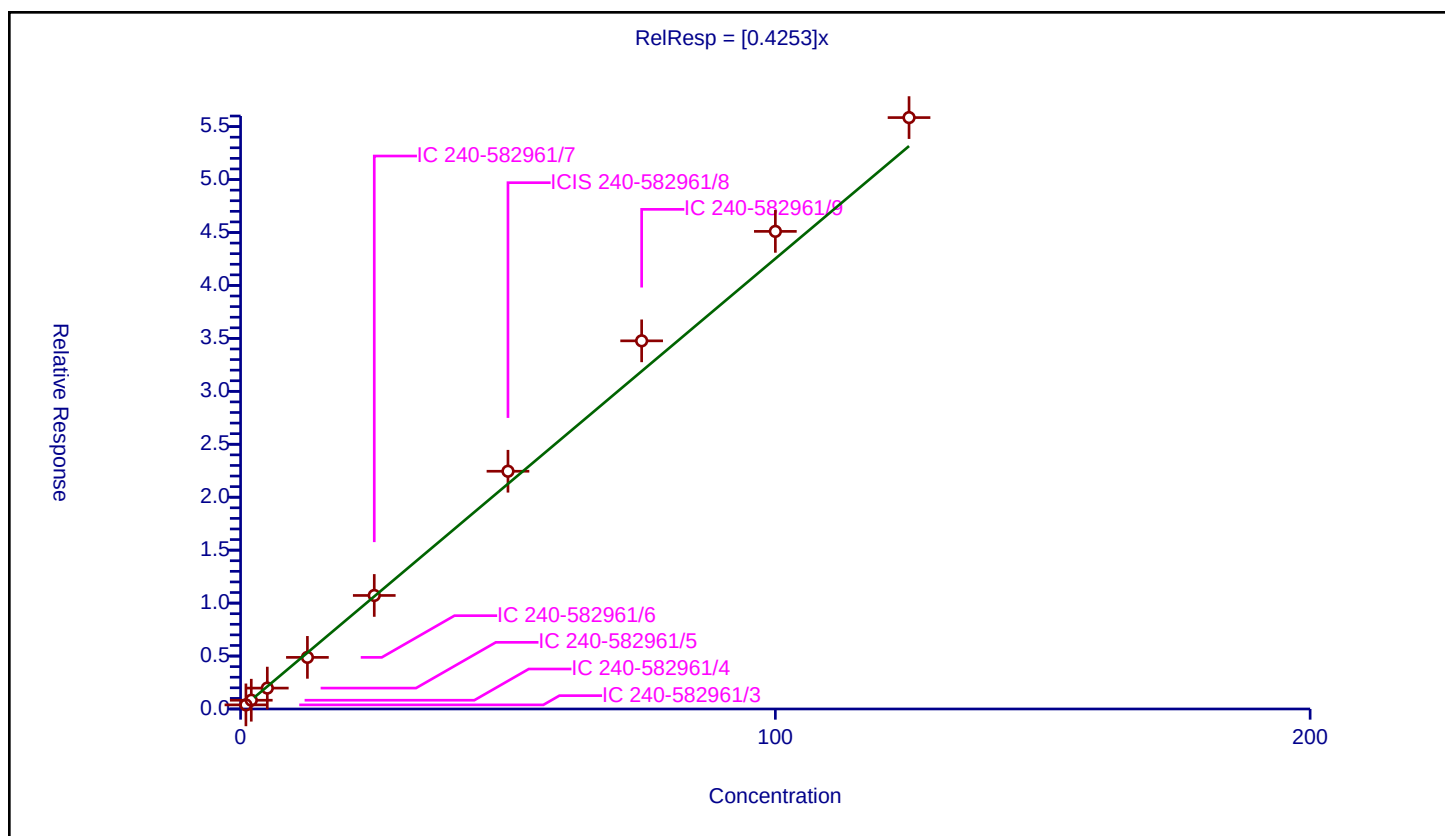
Curve Coefficients

Intercept: 0
Slope: 0.4253

Error Coefficients

Standard Error: 982000
Relative Standard Error: 6.8
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	1.0	0.389518	25.0	778848.0	0.389518	Y
2	IC 240-582961/4	2.0	0.828534	25.0	788501.0	0.414267	Y
3	IC 240-582961/5	5.0	1.972418	25.0	832126.0	0.394484	Y
4	IC 240-582961/6	12.5	4.874594	25.0	818981.0	0.389968	Y
5	IC 240-582961/7	25.0	10.720882	25.0	672995.0	0.428835	Y
6	ICIS 240-582961/8	50.0	22.451942	25.0	790347.0	0.449039	Y
7	IC 240-582961/9	75.0	34.768745	25.0	809303.0	0.463583	Y
8	IC 240-582961/10	100.0	45.106252	25.0	839183.0	0.451063	Y
9	IC 240-582961/11	125.0	55.851237	25.0	842010.0	0.44681	Y



Calibration

/ Chlorodibromomethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

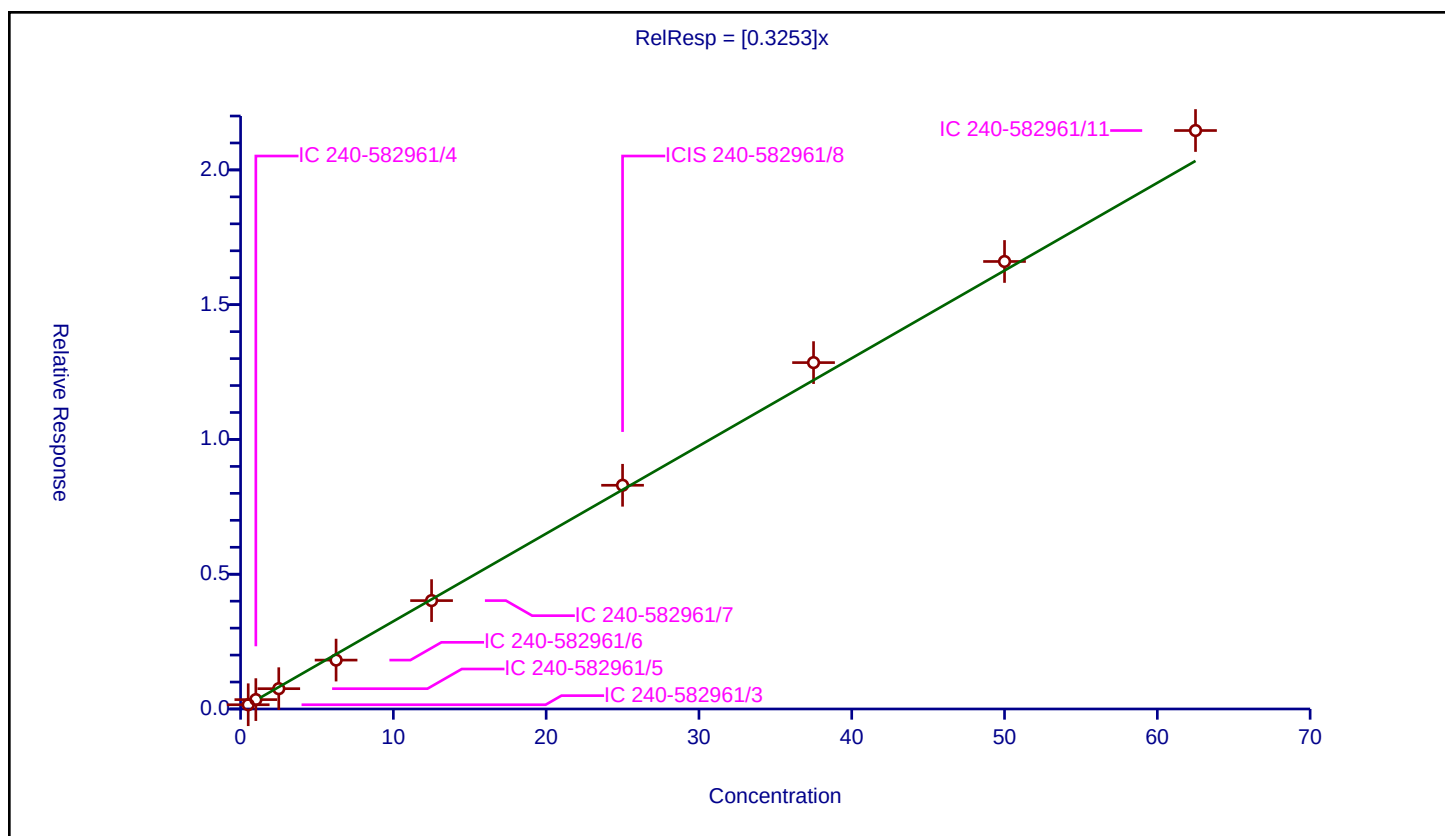
Curve Coefficients

Intercept: 0
Slope: 0.3253

Error Coefficients

Standard Error: 369000
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 240-582961/3	0.5	0.158214	25.0	778848.0	0.316429	Y
2	IC 240-582961/4	1.0	0.348192	25.0	788501.0	0.348192	Y
3	IC 240-582961/5	2.5	0.753341	25.0	832126.0	0.301337	Y
4	IC 240-582961/6	6.25	1.814084	25.0	818981.0	0.290253	Y
5	IC 240-582961/7	12.5	4.021352	25.0	672995.0	0.321708	Y
6	ICIS 240-582961/8	25.0	8.29993	25.0	790347.0	0.331997	Y
7	IC 240-582961/9	37.5	12.85146	25.0	809303.0	0.342706	Y
8	IC 240-582961/10	50.0	16.60347	25.0	839183.0	0.332069	Y
9	IC 240-582961/11	62.5	21.461384	25.0	842010.0	0.343382	Y



Calibration

/ Ethylene Dibromide

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

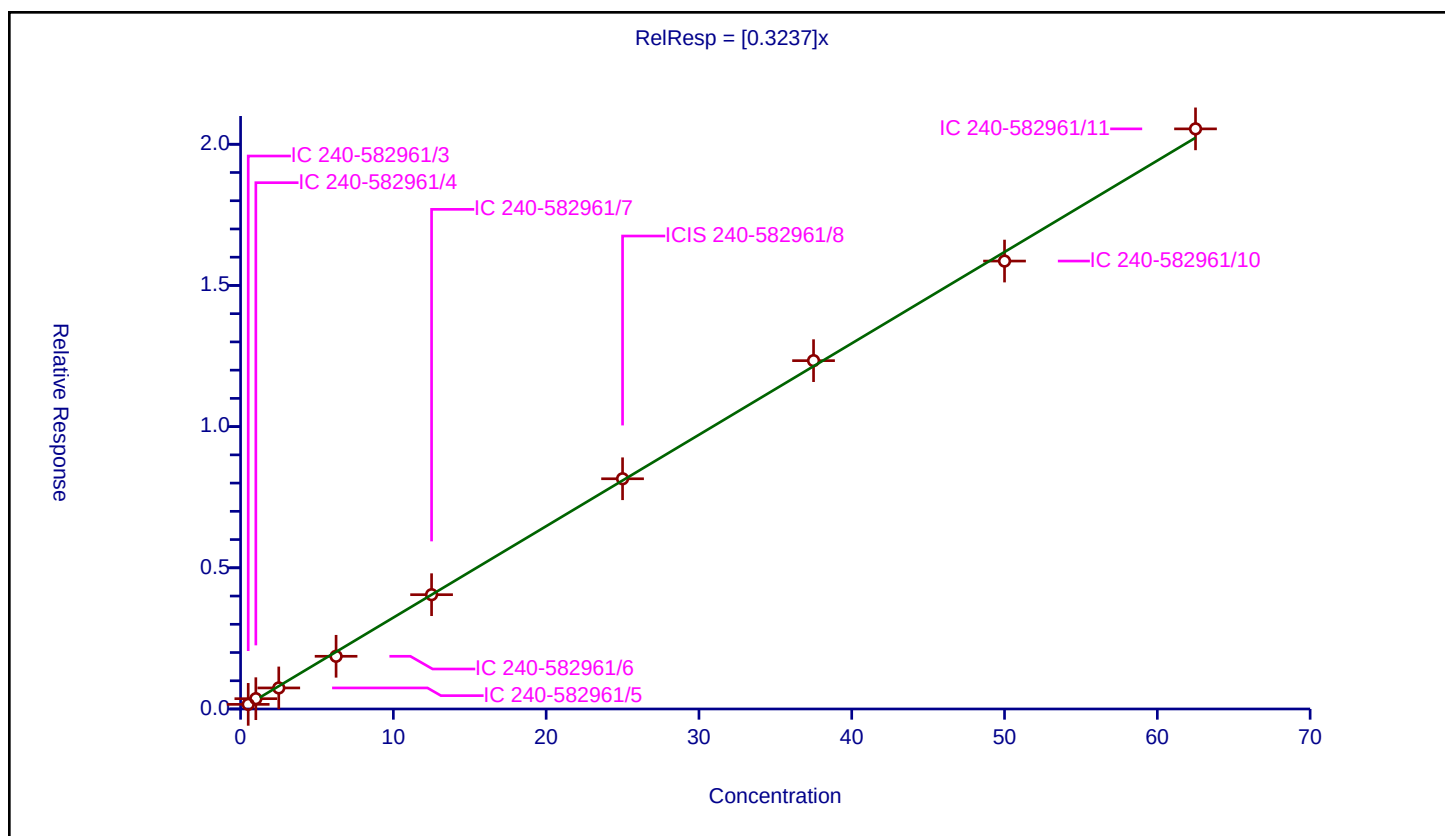
Curve Coefficients

Intercept: 0
Slope: 0.3237

Error Coefficients

Standard Error: 354000
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 240-582961/3	0.5	0.163382	25.0	778848.0	0.326765	Y
2	IC 240-582961/4	1.0	0.364743	25.0	788501.0	0.364743	Y
3	IC 240-582961/5	2.5	0.74532	25.0	832126.0	0.298128	Y
4	IC 240-582961/6	6.25	1.866771	25.0	818981.0	0.298683	Y
5	IC 240-582961/7	12.5	4.04769	25.0	672995.0	0.323815	Y
6	ICIS 240-582961/8	25.0	8.153159	25.0	790347.0	0.326126	Y
7	IC 240-582961/9	37.5	12.336047	25.0	809303.0	0.328961	Y
8	IC 240-582961/10	50.0	15.863316	25.0	839183.0	0.317266	Y
9	IC 240-582961/11	62.5	20.544382	25.0	842010.0	0.32871	Y



Calibration

/ Chlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

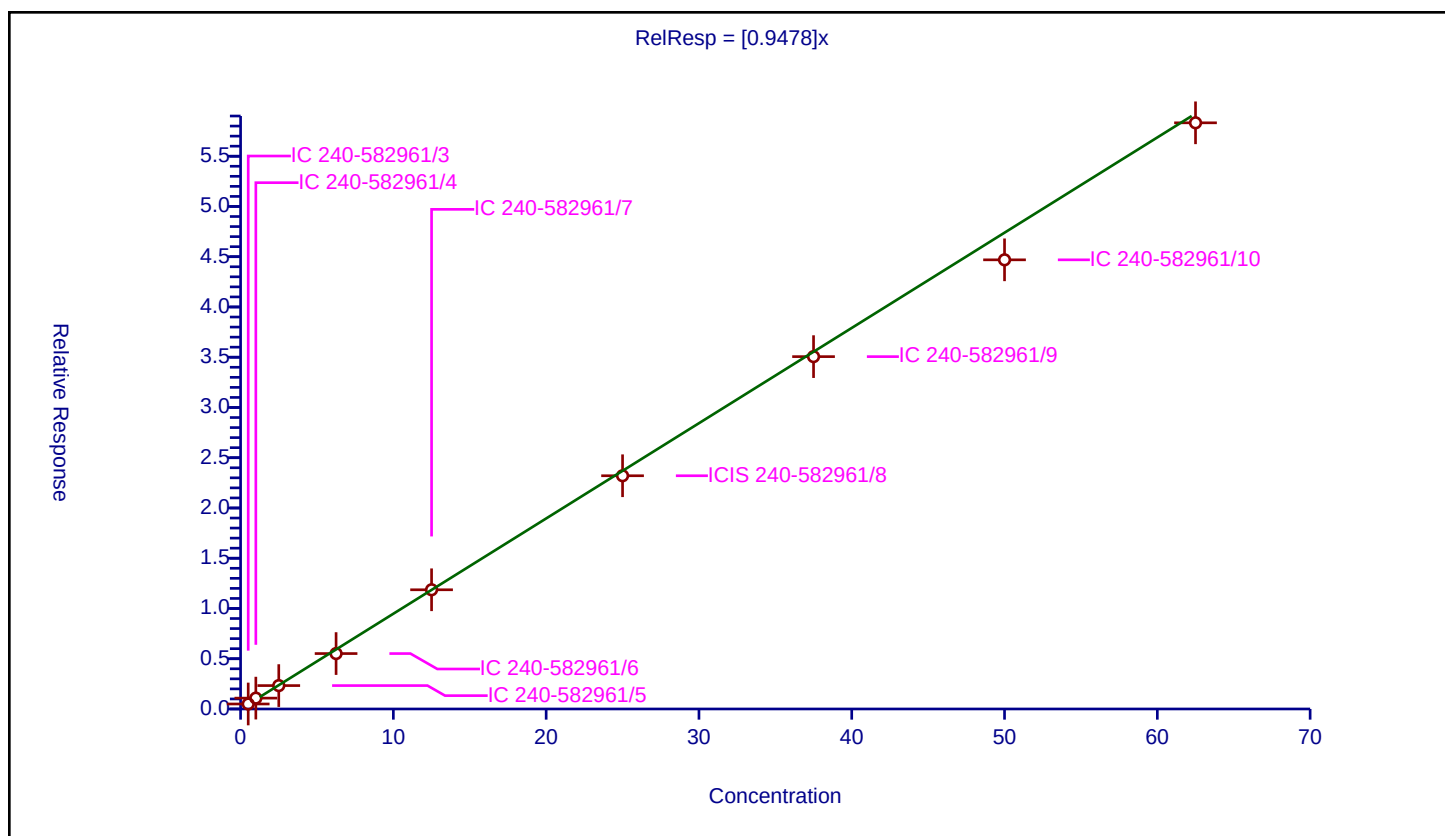
Curve Coefficients

Intercept: 0
Slope: 0.9478

Error Coefficients

Standard Error: 1000000
Relative Standard Error: 6.3
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.498268	25.0	778848.0	0.996536	Y
2	IC 240-582961/4	1.0	1.081609	25.0	788501.0	1.081609	Y
3	IC 240-582961/5	2.5	2.326931	25.0	832126.0	0.930773	Y
4	IC 240-582961/6	6.25	5.513956	25.0	818981.0	0.882233	Y
5	IC 240-582961/7	12.5	11.861938	25.0	672995.0	0.948955	Y
6	ICIS 240-582961/8	25.0	23.208255	25.0	790347.0	0.92833	Y
7	IC 240-582961/9	37.5	35.058347	25.0	809303.0	0.934889	Y
8	IC 240-582961/10	50.0	44.690878	25.0	839183.0	0.893818	Y
9	IC 240-582961/11	62.5	58.322971	25.0	842010.0	0.933168	Y



Calibration

/ 1,1,1,2-Tetrachloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

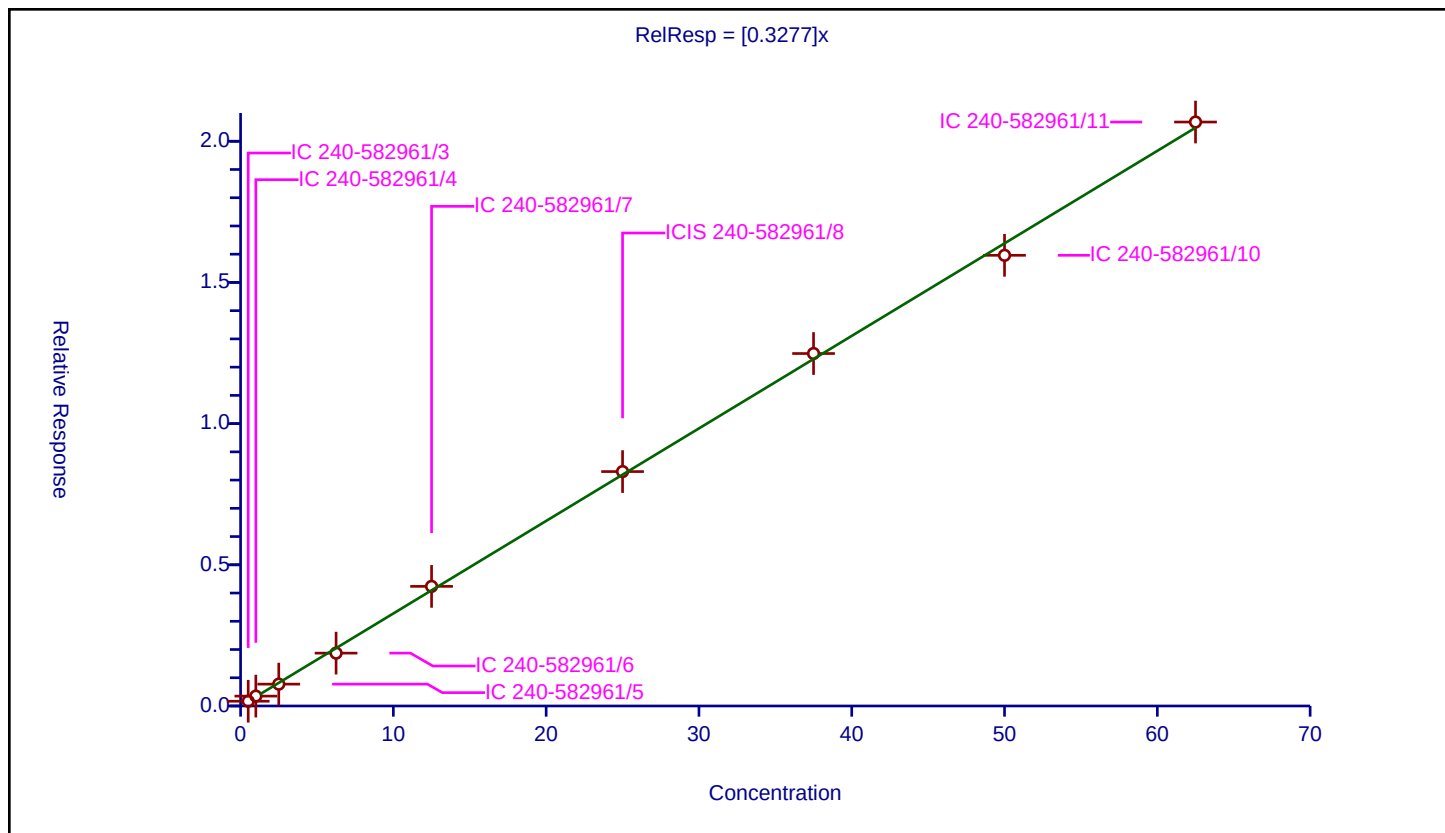
Curve Coefficients

Intercept: 0
Slope: 0.3277

Error Coefficients

Standard Error: 357000
Relative Standard Error: 4.7
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.168101	25.0	778848.0	0.336202	Y
2	IC 240-582961/4	1.0	0.349746	25.0	788501.0	0.349746	Y
3	IC 240-582961/5	2.5	0.773981	25.0	832126.0	0.309593	Y
4	IC 240-582961/6	6.25	1.872357	25.0	818981.0	0.299577	Y
5	IC 240-582961/7	12.5	4.235841	25.0	672995.0	0.338867	Y
6	ICIS 240-582961/8	25.0	8.301322	25.0	790347.0	0.332053	Y
7	IC 240-582961/9	37.5	12.482624	25.0	809303.0	0.33287	Y
8	IC 240-582961/10	50.0	15.960672	25.0	839183.0	0.319213	Y
9	IC 240-582961/11	62.5	20.68099	25.0	842010.0	0.330896	Y



Calibration

/ Ethylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

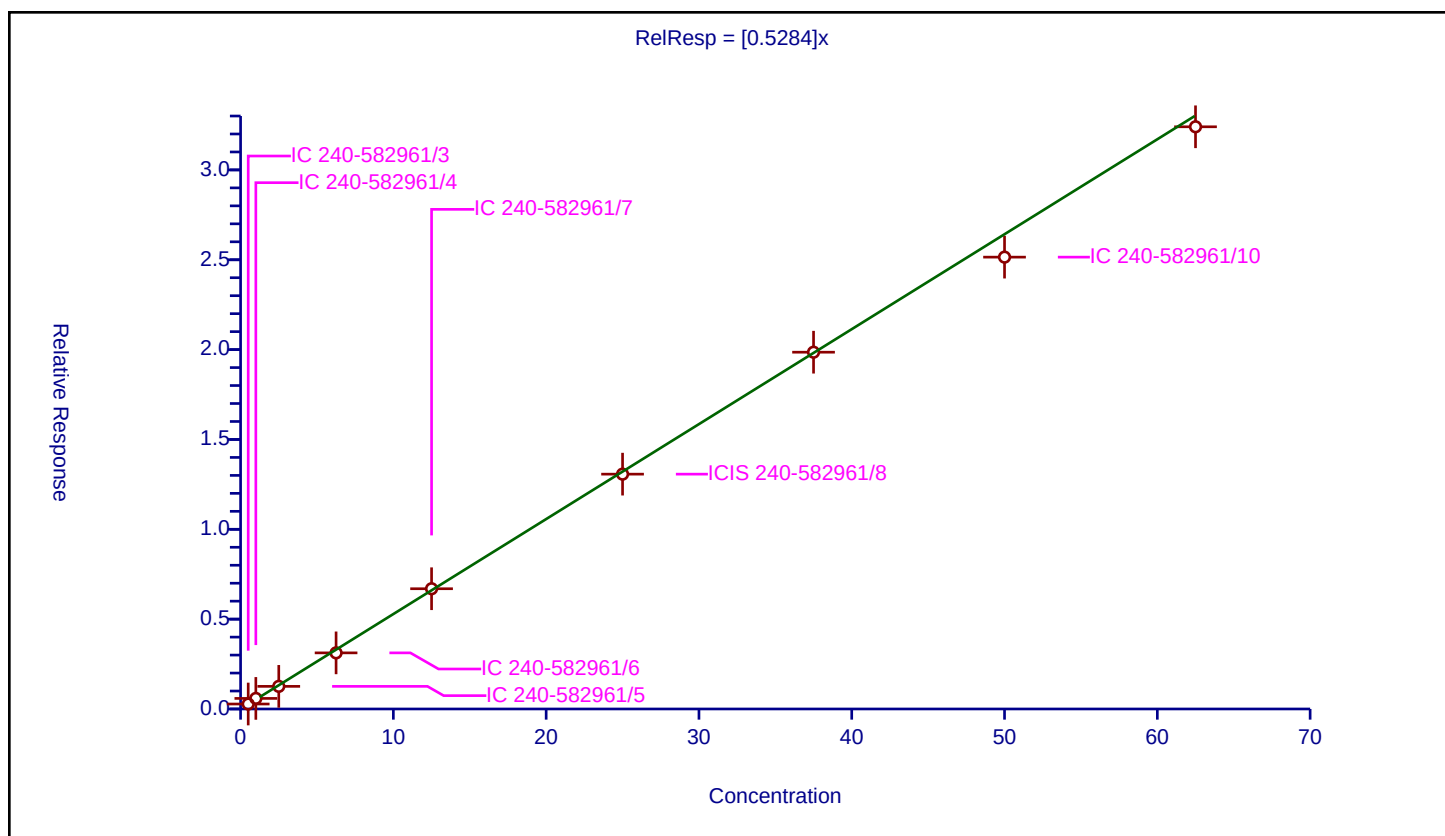
Curve Coefficients

Intercept: 0
Slope: 0.5284

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 240-582961/3	0.5	0.277365	25.0	778848.0	0.55473	Y
2	IC 240-582961/4	1.0	0.588997	25.0	788501.0	0.588997	Y
3	IC 240-582961/5	2.5	1.258644	25.0	832126.0	0.503457	Y
4	IC 240-582961/6	6.25	3.122997	25.0	818981.0	0.499679	Y
5	IC 240-582961/7	12.5	6.692769	25.0	672995.0	0.535422	Y
6	ICIS 240-582961/8	25.0	13.069481	25.0	790347.0	0.522779	Y
7	IC 240-582961/9	37.5	19.855604	25.0	809303.0	0.529483	Y
8	IC 240-582961/10	50.0	25.147018	25.0	839183.0	0.50294	Y
9	IC 240-582961/11	62.5	32.399704	25.0	842010.0	0.518395	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

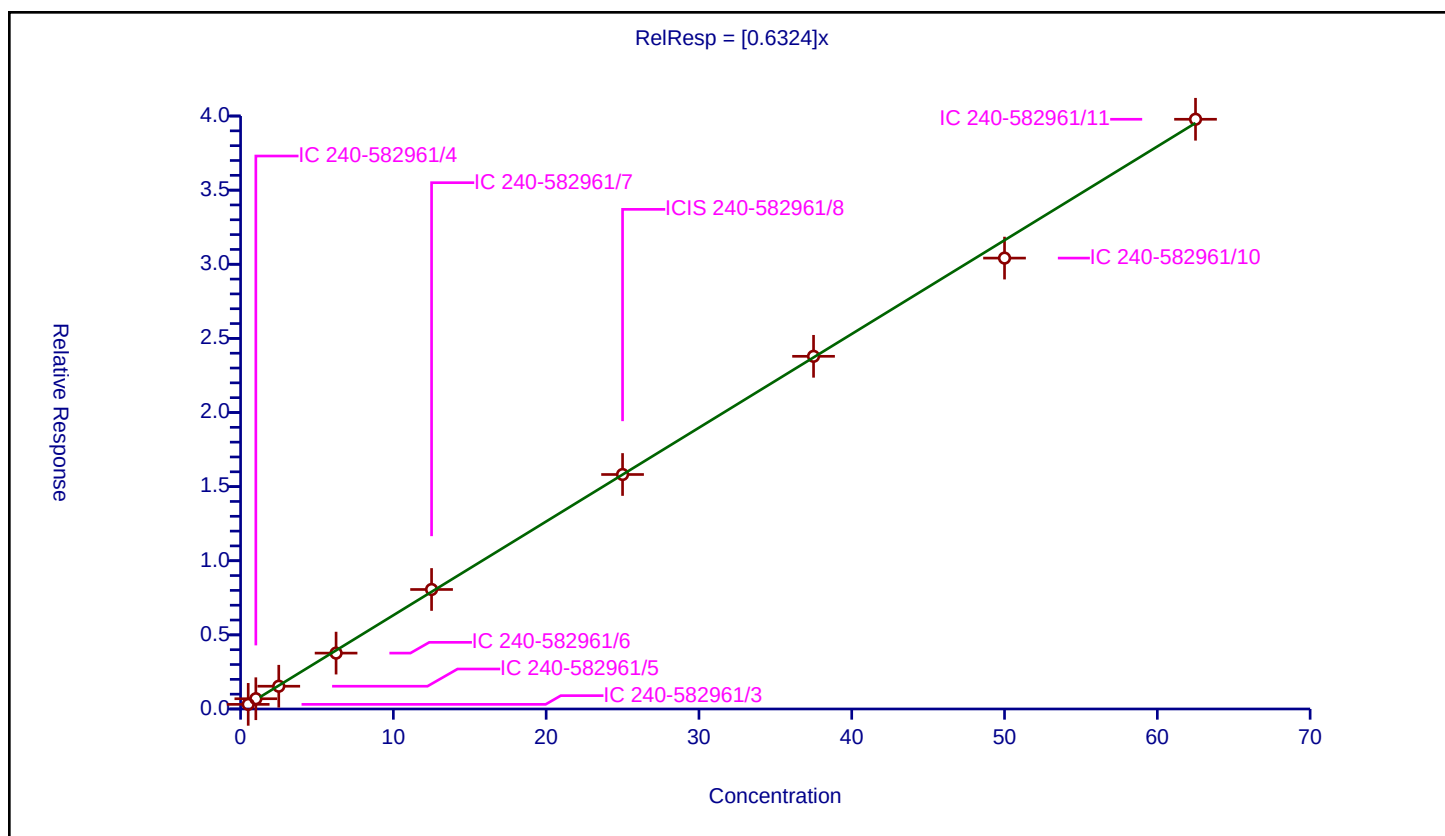
Curve Coefficients

Intercept: 0
Slope: 0.6324

Error Coefficients

Standard Error: 684000
Relative Standard Error: 4.2
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.312673	25.0	778848.0	0.625347	Y
2	IC 240-582961/4	1.0	0.692548	25.0	788501.0	0.692548	Y
3	IC 240-582961/5	2.5	1.534774	25.0	832126.0	0.613909	Y
4	IC 240-582961/6	6.25	3.768891	25.0	818981.0	0.603023	Y
5	IC 240-582961/7	12.5	8.061947	25.0	672995.0	0.644956	Y
6	ICIS 240-582961/8	25.0	15.817957	25.0	790347.0	0.632718	Y
7	IC 240-582961/9	37.5	23.790657	25.0	809303.0	0.634418	Y
8	IC 240-582961/10	50.0	30.41631	25.0	839183.0	0.608326	Y
9	IC 240-582961/11	62.5	39.781208	25.0	842010.0	0.636499	Y



Calibration

/ o-Xylene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

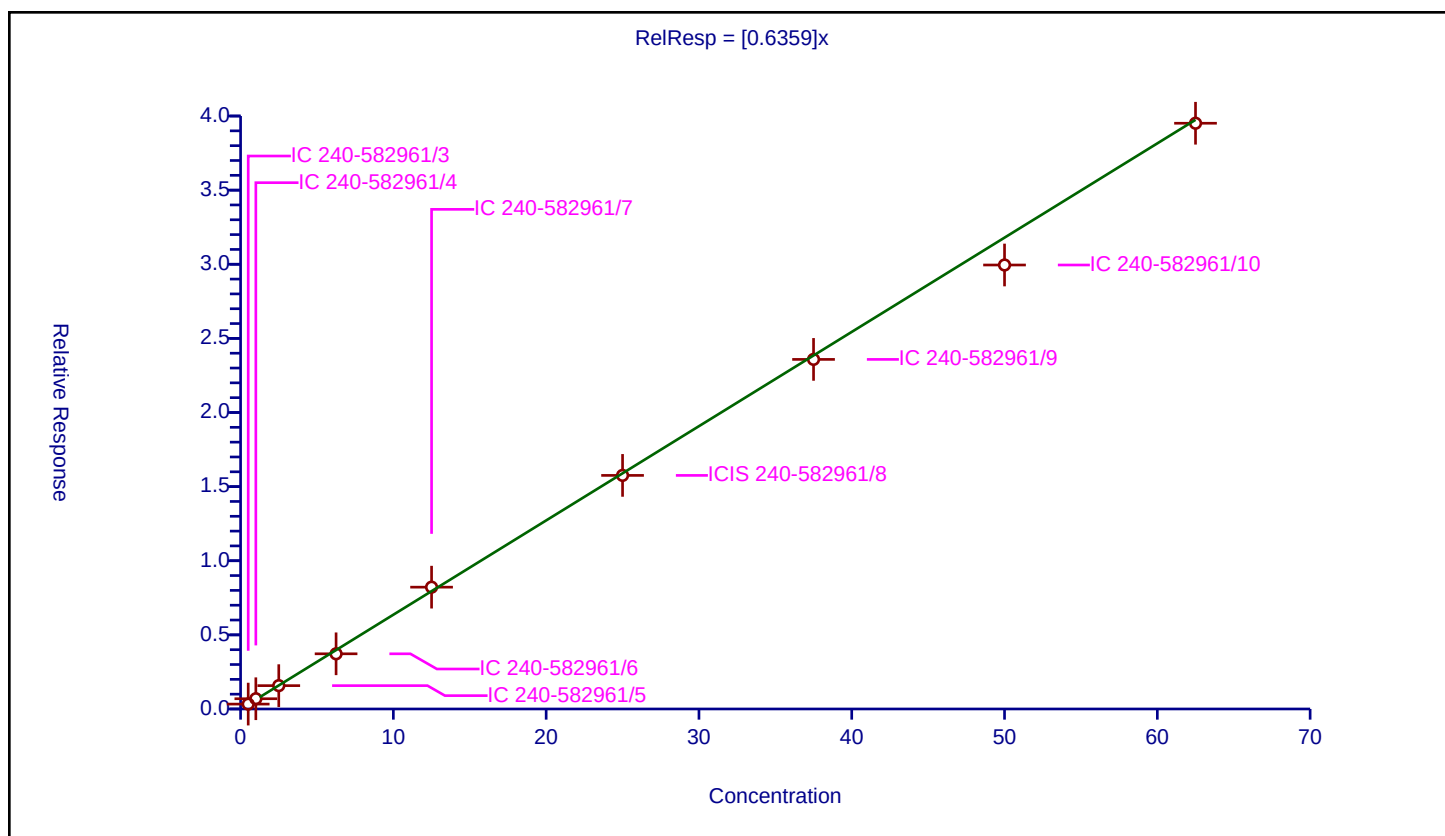
Curve Coefficients

Intercept: 0
Slope: 0.6359

Error Coefficients

Standard Error: 678000
Relative Standard Error: 4.7
Correlation Coefficient: 0.998
Coefficient of Determination (Adjusted): 0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.329333	25.0	778848.0	0.658665	Y
2	IC 240-582961/4	1.0	0.691375	25.0	788501.0	0.691375	Y
3	IC 240-582961/5	2.5	1.574131	25.0	832126.0	0.629652	Y
4	IC 240-582961/6	6.25	3.72237	25.0	818981.0	0.595579	Y
5	IC 240-582961/7	12.5	8.217743	25.0	672995.0	0.657419	Y
6	ICIS 240-582961/8	25.0	15.757351	25.0	790347.0	0.630294	Y
7	IC 240-582961/9	37.5	23.582824	25.0	809303.0	0.628875	Y
8	IC 240-582961/10	50.0	29.95044	25.0	839183.0	0.599009	Y
9	IC 240-582961/11	62.5	39.512535	25.0	842010.0	0.632201	Y



Calibration

/ Styrene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

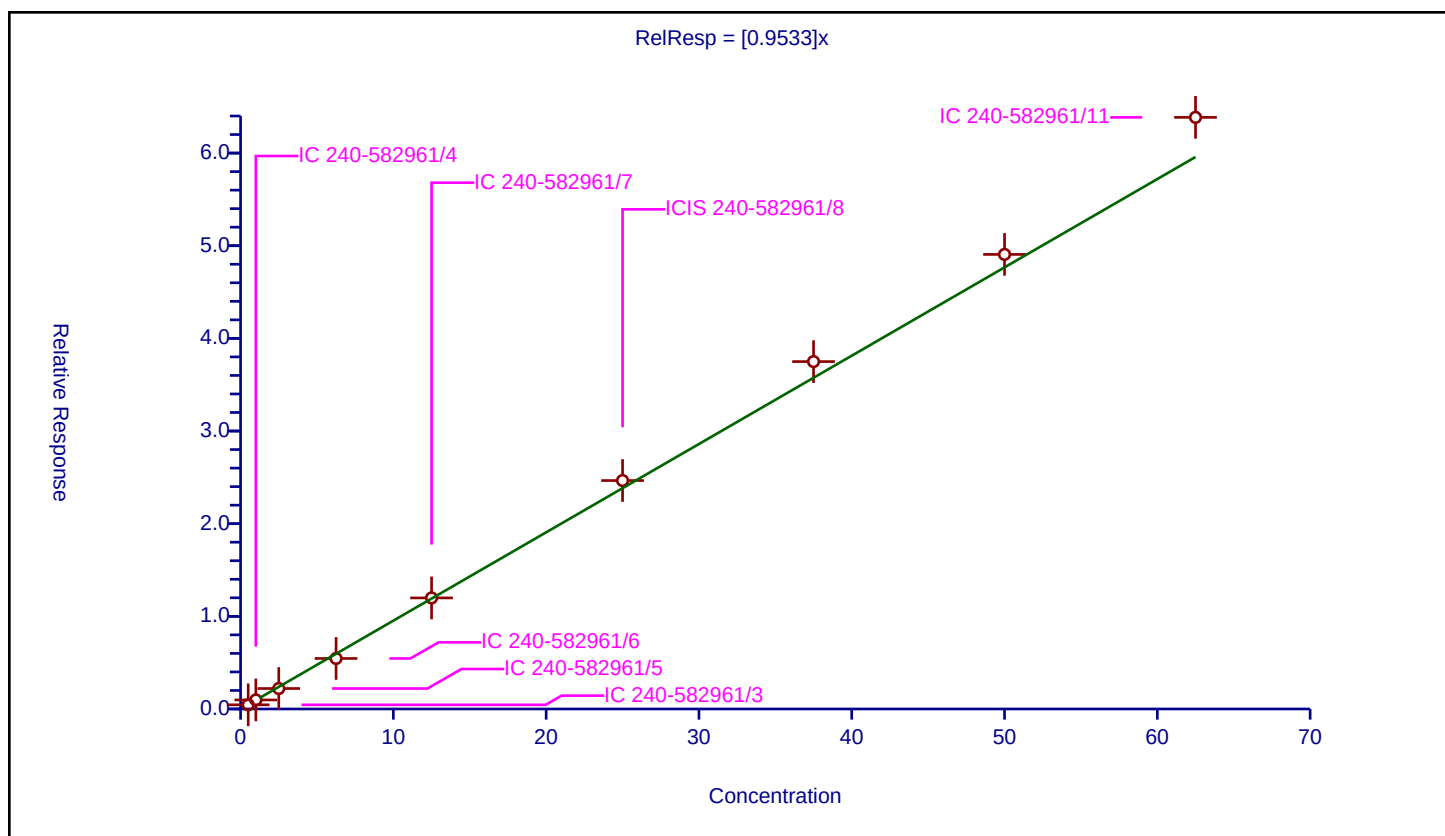
Curve Coefficients

Intercept: 0
 Slope: 0.9533

Error Coefficients

Standard Error: 1090000
 Relative Standard Error: 5.7
 Correlation Coefficient: 0.997
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.449382	25.0	778848.0	0.898763	Y
2	IC 240-582961/4	1.0	0.976251	25.0	788501.0	0.976251	Y
3	IC 240-582961/5	2.5	2.209972	25.0	832126.0	0.883989	Y
4	IC 240-582961/6	6.25	5.451683	25.0	818981.0	0.872269	Y
5	IC 240-582961/7	12.5	11.988908	25.0	672995.0	0.959113	Y
6	ICIS 240-582961/8	25.0	24.656796	25.0	790347.0	0.986272	Y
7	IC 240-582961/9	37.5	37.495567	25.0	809303.0	0.999882	Y
8	IC 240-582961/10	50.0	49.062719	25.0	839183.0	0.981254	Y
9	IC 240-582961/11	62.5	63.85325	25.0	842010.0	1.021652	Y



Calibration

/ Bromoform

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

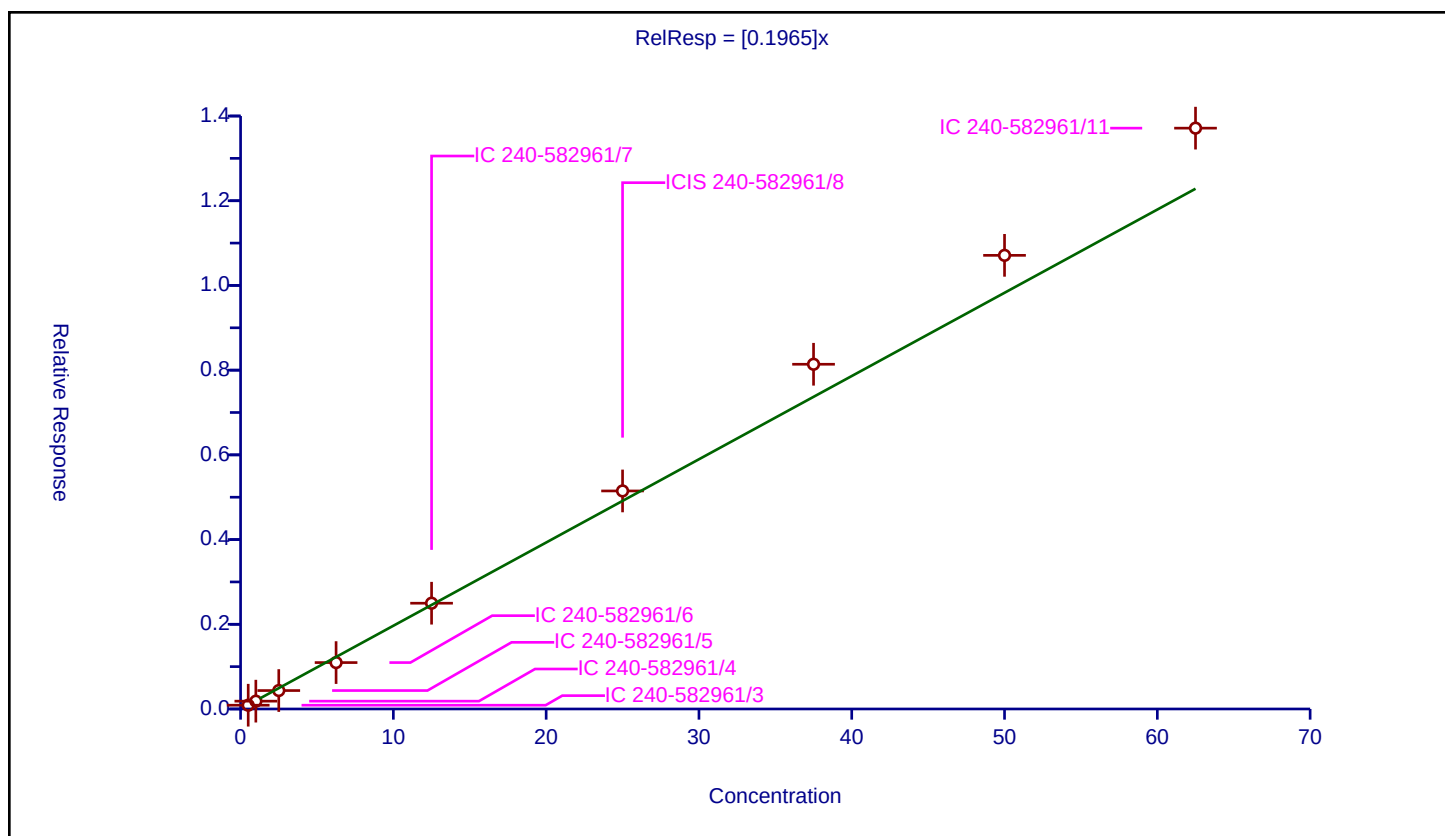
Curve Coefficients

Intercept: 0
Slope: 0.1965

Error Coefficients

Standard Error: 236000
Relative Standard Error: 9.5
Correlation Coefficient: 0.997
Coefficient of Determination (Adjusted): 0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.089202	25.0	778848.0	0.178405	Y
2	IC 240-582961/4	1.0	0.184559	25.0	788501.0	0.184559	Y
3	IC 240-582961/5	2.5	0.43515	25.0	832126.0	0.17406	Y
4	IC 240-582961/6	6.25	1.095874	25.0	818981.0	0.17534	Y
5	IC 240-582961/7	12.5	2.497233	25.0	672995.0	0.199779	Y
6	ICIS 240-582961/8	25.0	5.148055	25.0	790347.0	0.205922	Y
7	IC 240-582961/9	37.5	8.138917	25.0	809303.0	0.217038	Y
8	IC 240-582961/10	50.0	10.710089	25.0	839183.0	0.214202	Y
9	IC 240-582961/11	62.5	13.713644	25.0	842010.0	0.219418	Y



Calibration

/ Isopropylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

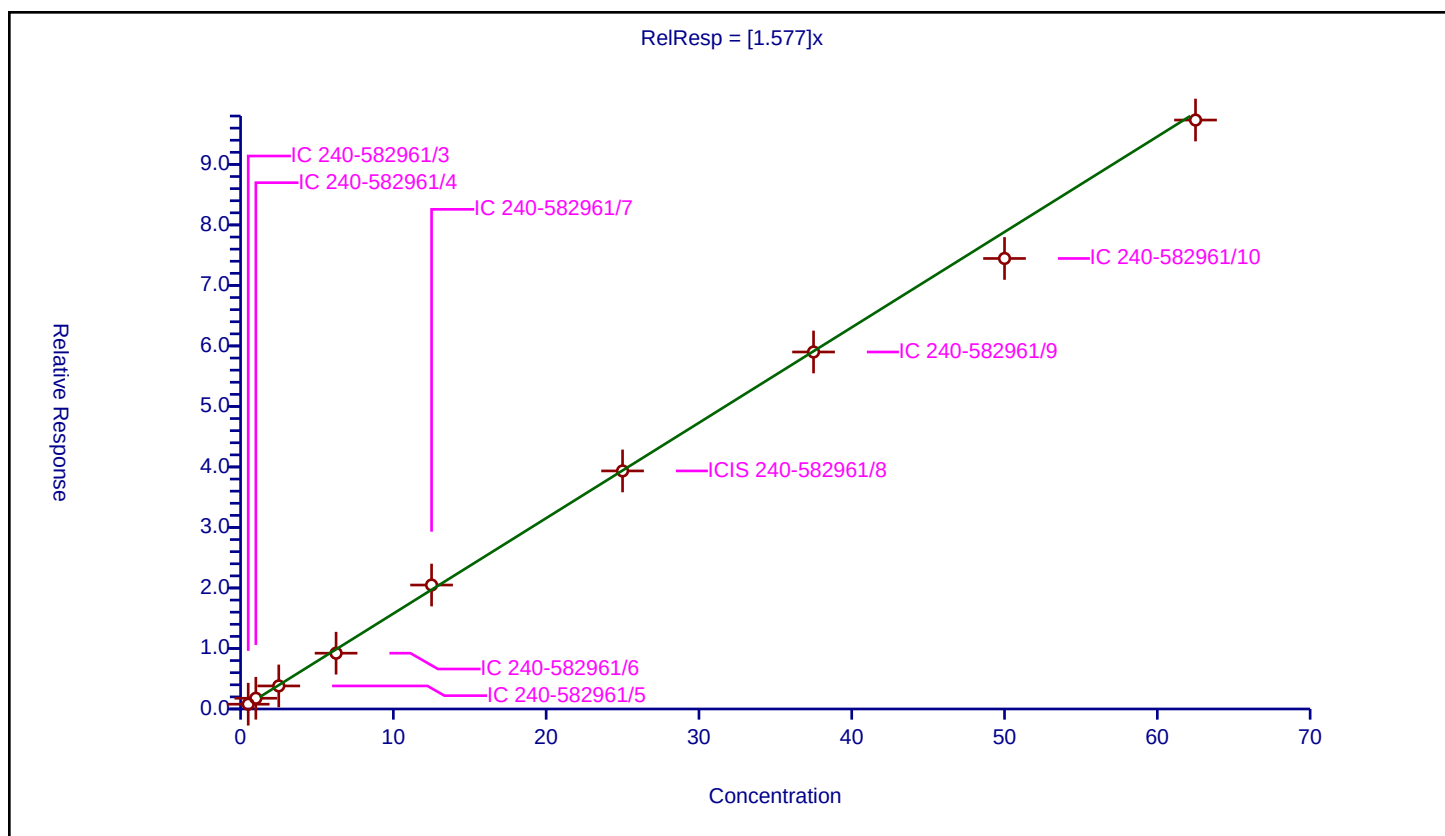
Curve Coefficients

Intercept: 0
Slope: 1.577

Error Coefficients

Standard Error: 1680000
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 240-582961/3	0.5	0.792902	25.0	778848.0	1.585804	Y
2	IC 240-582961/4	1.0	1.773428	25.0	788501.0	1.773428	Y
3	IC 240-582961/5	2.5	3.808768	25.0	832126.0	1.523507	Y
4	IC 240-582961/6	6.25	9.219994	25.0	818981.0	1.475199	Y
5	IC 240-582961/7	12.5	20.488822	25.0	672995.0	1.639106	Y
6	ICIS 240-582961/8	25.0	39.342751	25.0	790347.0	1.57371	Y
7	IC 240-582961/9	37.5	58.999287	25.0	809303.0	1.573314	Y
8	IC 240-582961/10	50.0	74.457478	25.0	839183.0	1.48915	Y
9	IC 240-582961/11	62.5	97.334206	25.0	842010.0	1.557347	Y



Calibration

/ 4-Bromofluorobenzene (Surr)

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

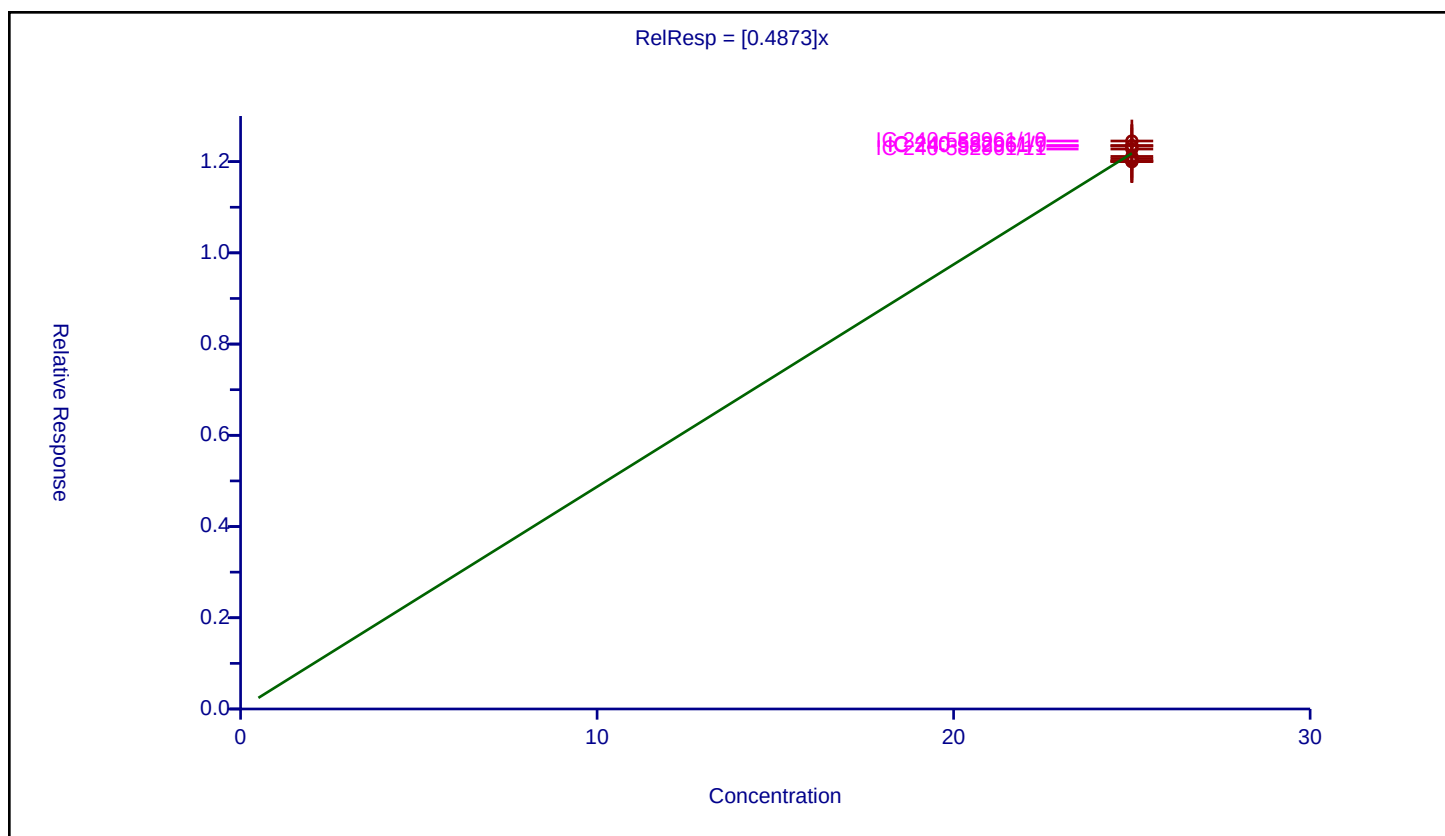
Curve Coefficients

Intercept: 0
Slope: 0.4873

Error Coefficients

Standard Error: 413000
Relative Standard Error: 1.4
Correlation Coefficient: 0.00000000000000000000
Coefficient of Determination (Adjusted): 0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	25.0	12.019643	25.0	778848.0	0.480786	Y
2	IC 240-582961/4	25.0	12.114252	25.0	788501.0	0.48457	Y
3	IC 240-582961/5	25.0	12.008248	25.0	832126.0	0.48033	Y
4	IC 240-582961/6	25.0	11.999332	25.0	818981.0	0.479973	Y
5	IC 240-582961/7	25.0	12.353212	25.0	672995.0	0.494128	Y
6	ICIS 240-582961/8	25.0	12.067453	25.0	790347.0	0.482698	Y
7	IC 240-582961/9	25.0	12.342998	25.0	809303.0	0.49372	Y
8	IC 240-582961/10	25.0	12.452081	25.0	839183.0	0.498083	Y
9	IC 240-582961/11	25.0	12.275448	25.0	842010.0	0.491018	Y



Calibration

/ 1,1,2,2-Tetrachloroethane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

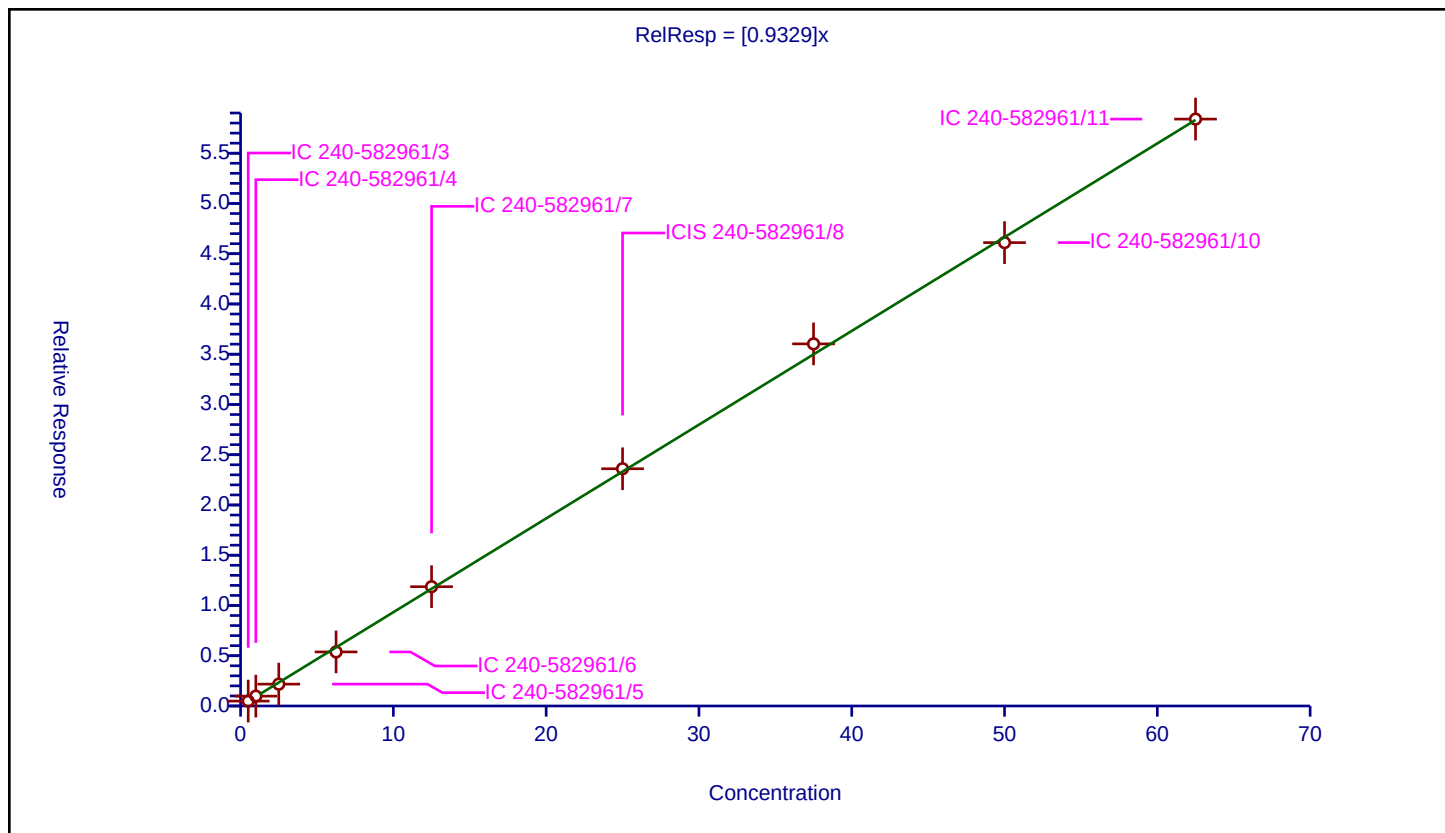
Curve Coefficients

Intercept: 0
Slope: 0.9329

Error Coefficients

Standard Error: 475000
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 240-582961/3	0.5	0.487786	25.0	381161.0	0.975572	Y
2	IC 240-582961/4	1.0	0.979127	25.0	380211.0	0.979127	Y
3	IC 240-582961/5	2.5	2.17383	25.0	403723.0	0.869532	Y
4	IC 240-582961/6	6.25	5.380704	25.0	394335.0	0.860913	Y
5	IC 240-582961/7	12.5	11.870089	25.0	331495.0	0.949607	Y
6	ICIS 240-582961/8	25.0	23.604438	25.0	372950.0	0.944178	Y
7	IC 240-582961/9	37.5	36.031268	25.0	375979.0	0.960834	Y
8	IC 240-582961/10	50.0	46.104947	25.0	394141.0	0.922099	Y
9	IC 240-582961/11	62.5	58.395735	25.0	389013.0	0.934332	Y



Calibration

/ Bromobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

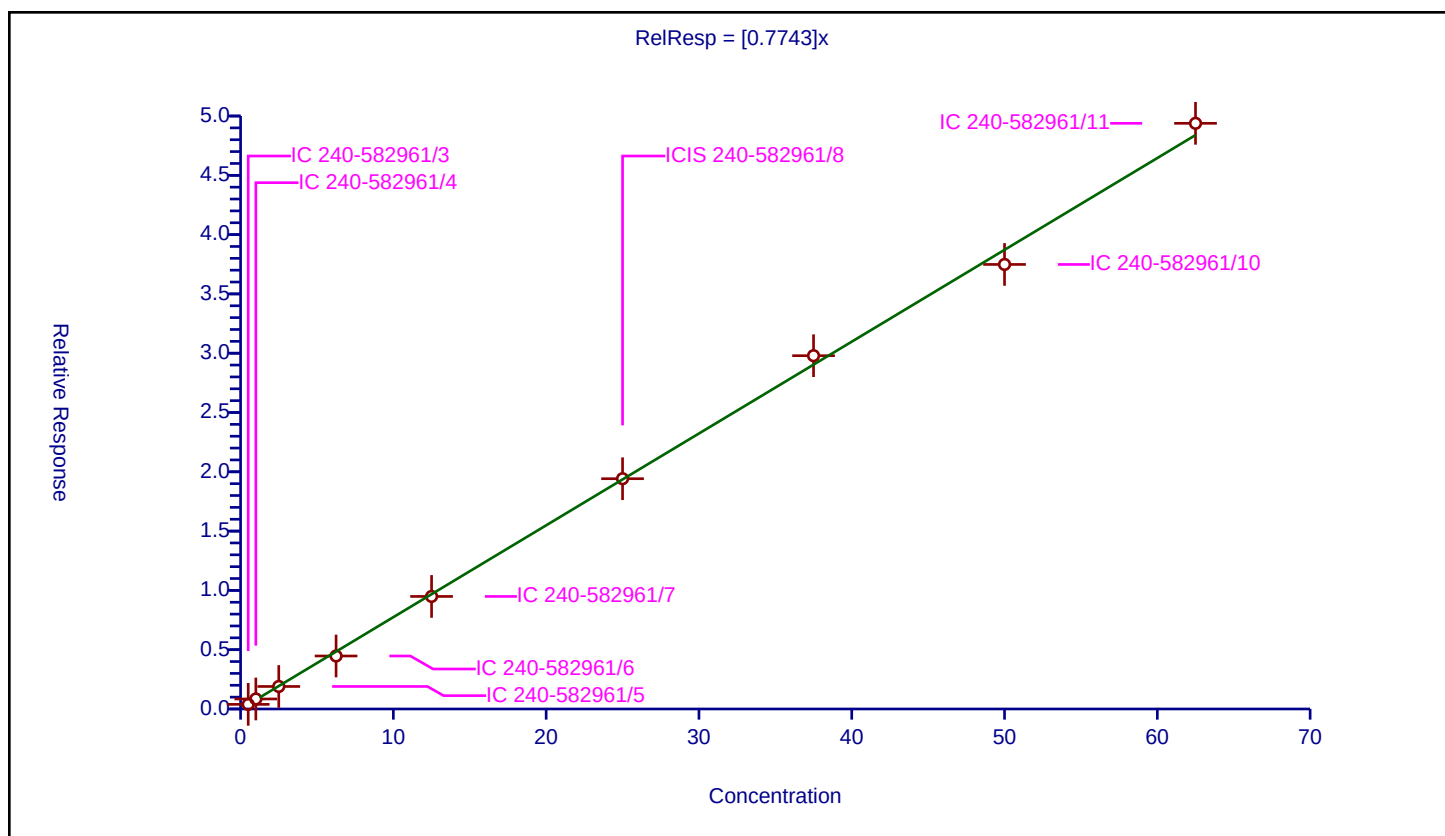
Curve Coefficients

Intercept: 0
Slope: 0.7743

Error Coefficients

Standard Error: 395000
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 240-582961/3	0.5	0.390255	25.0	381161.0	0.78051	Y
2	IC 240-582961/4	1.0	0.843216	25.0	380211.0	0.843216	Y
3	IC 240-582961/5	2.5	1.899198	25.0	403723.0	0.759679	Y
4	IC 240-582961/6	6.25	4.468409	25.0	394335.0	0.714945	Y
5	IC 240-582961/7	12.5	9.490867	25.0	331495.0	0.759269	Y
6	ICIS 240-582961/8	25.0	19.417616	25.0	372950.0	0.776705	Y
7	IC 240-582961/9	37.5	29.79056	25.0	375979.0	0.794415	Y
8	IC 240-582961/10	50.0	37.48538	25.0	394141.0	0.749708	Y
9	IC 240-582961/11	62.5	49.383954	25.0	389013.0	0.790143	Y



Calibration

/ 1,2,3-Trichloropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

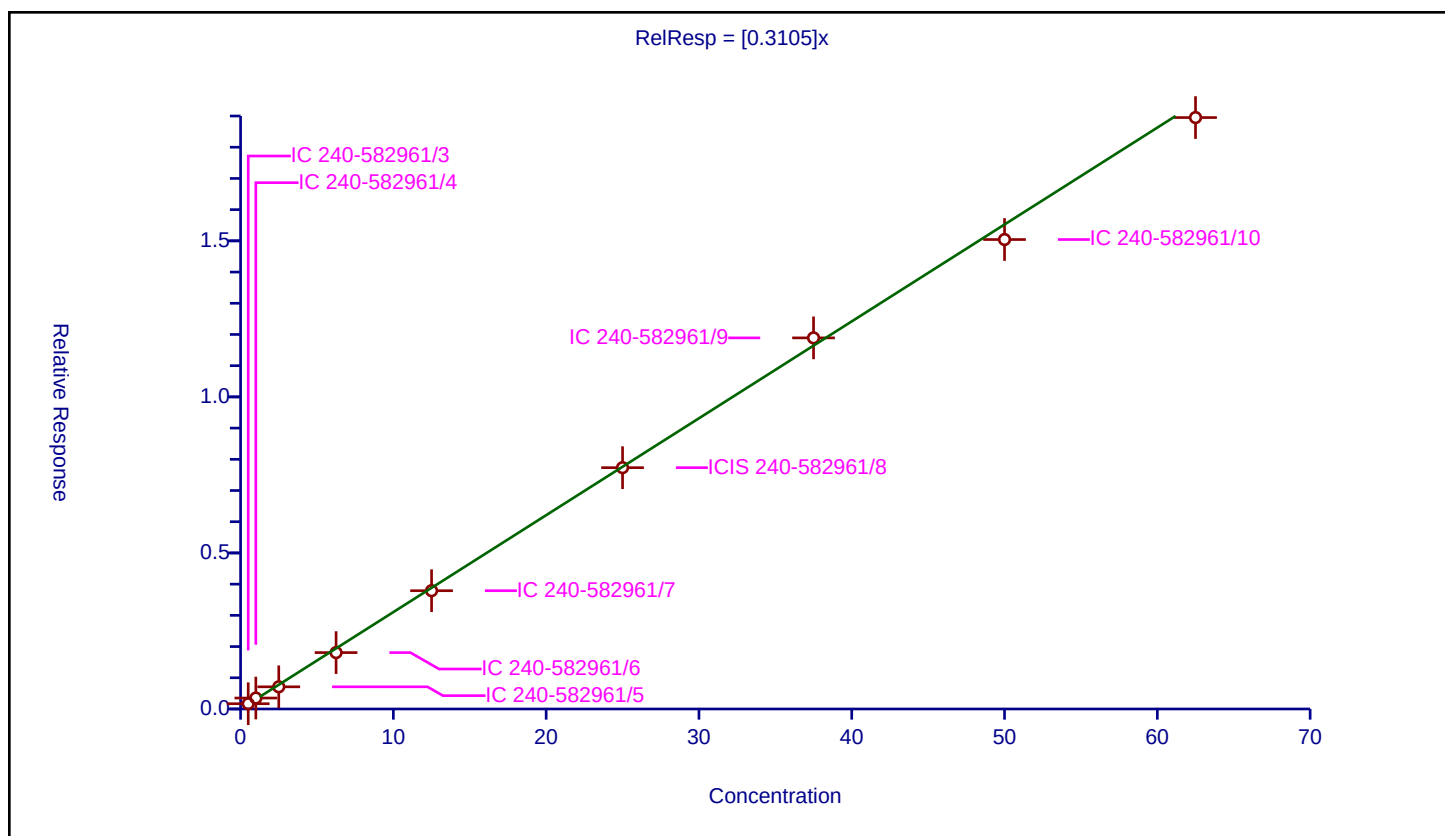
Curve Coefficients

Intercept: 0
Slope: 0.3105

Error Coefficients

Standard Error: 155000
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 240-582961/3	0.5	0.168498	25.0	381161.0	0.336997	Y
2	IC 240-582961/4	1.0	0.350529	25.0	380211.0	0.350529	Y
3	IC 240-582961/5	2.5	0.710078	25.0	403723.0	0.284031	Y
4	IC 240-582961/6	6.25	1.806776	25.0	394335.0	0.289084	Y
5	IC 240-582961/7	12.5	3.790253	25.0	331495.0	0.30322	Y
6	ICIS 240-582961/8	25.0	7.732538	25.0	372950.0	0.309302	Y
7	IC 240-582961/9	37.5	11.890691	25.0	375979.0	0.317085	Y
8	IC 240-582961/10	50.0	15.042396	25.0	394141.0	0.300848	Y
9	IC 240-582961/11	62.5	18.950652	25.0	389013.0	0.30321	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

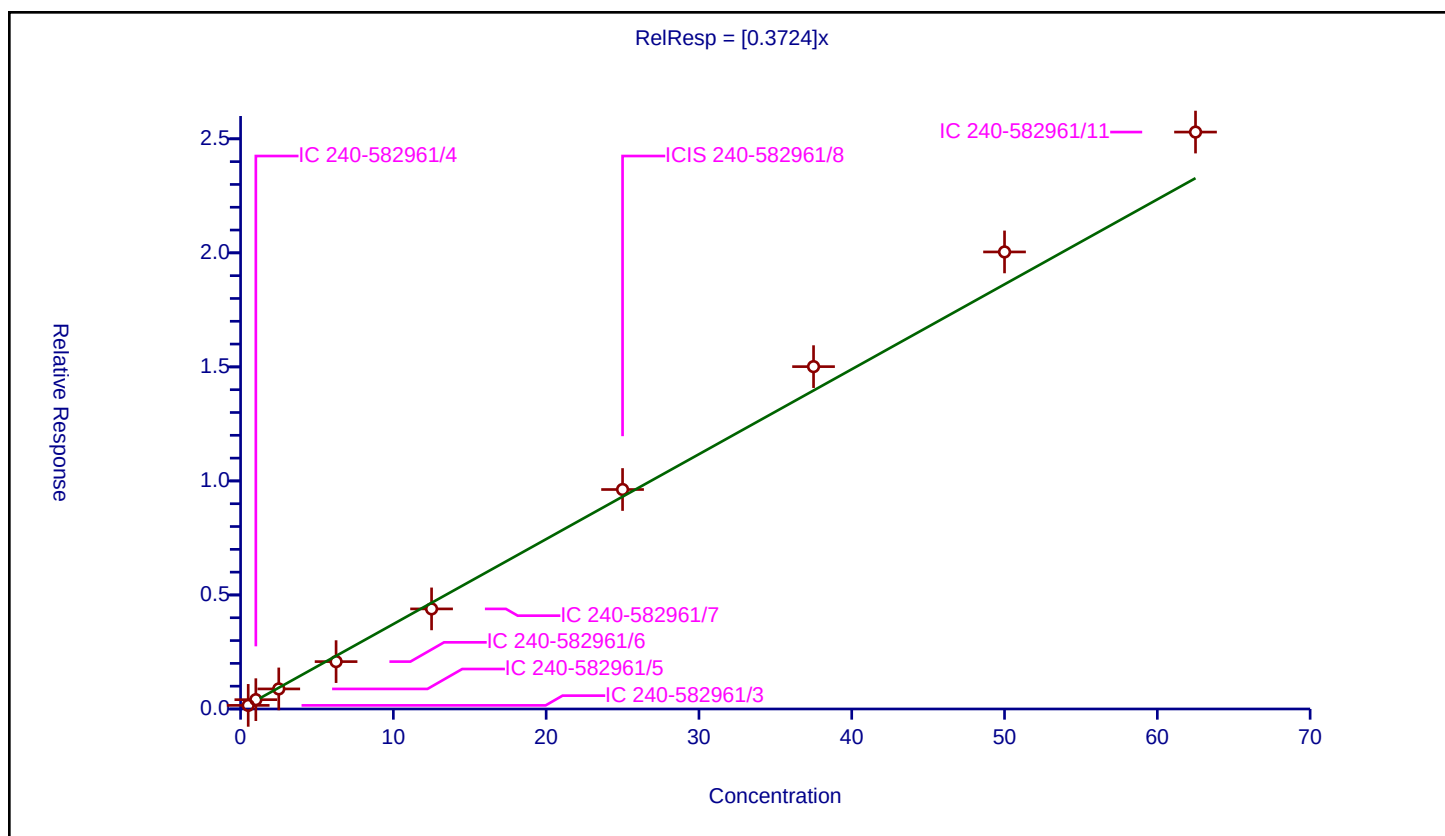
Curve Coefficients

Intercept: 0
Slope: 0.3724

Error Coefficients

Standard Error: 203000
Relative Standard Error: 9.3
Correlation Coefficient: 0.997
Coefficient of Determination (Adjusted): 0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.158726	25.0	381161.0	0.317451	Y
2	IC 240-582961/4	1.0	0.408194	25.0	380211.0	0.408194	Y
3	IC 240-582961/5	2.5	0.879316	25.0	403723.0	0.351726	Y
4	IC 240-582961/6	6.25	2.077231	25.0	394335.0	0.332357	Y
5	IC 240-582961/7	12.5	4.388377	25.0	331495.0	0.35107	Y
6	ICIS 240-582961/8	25.0	9.623408	25.0	372950.0	0.384936	Y
7	IC 240-582961/9	37.5	15.011543	25.0	375979.0	0.400308	Y
8	IC 240-582961/10	50.0	20.040354	25.0	394141.0	0.400807	Y
9	IC 240-582961/11	62.5	25.296327	25.0	389013.0	0.404741	Y



Calibration

/ N-Propylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

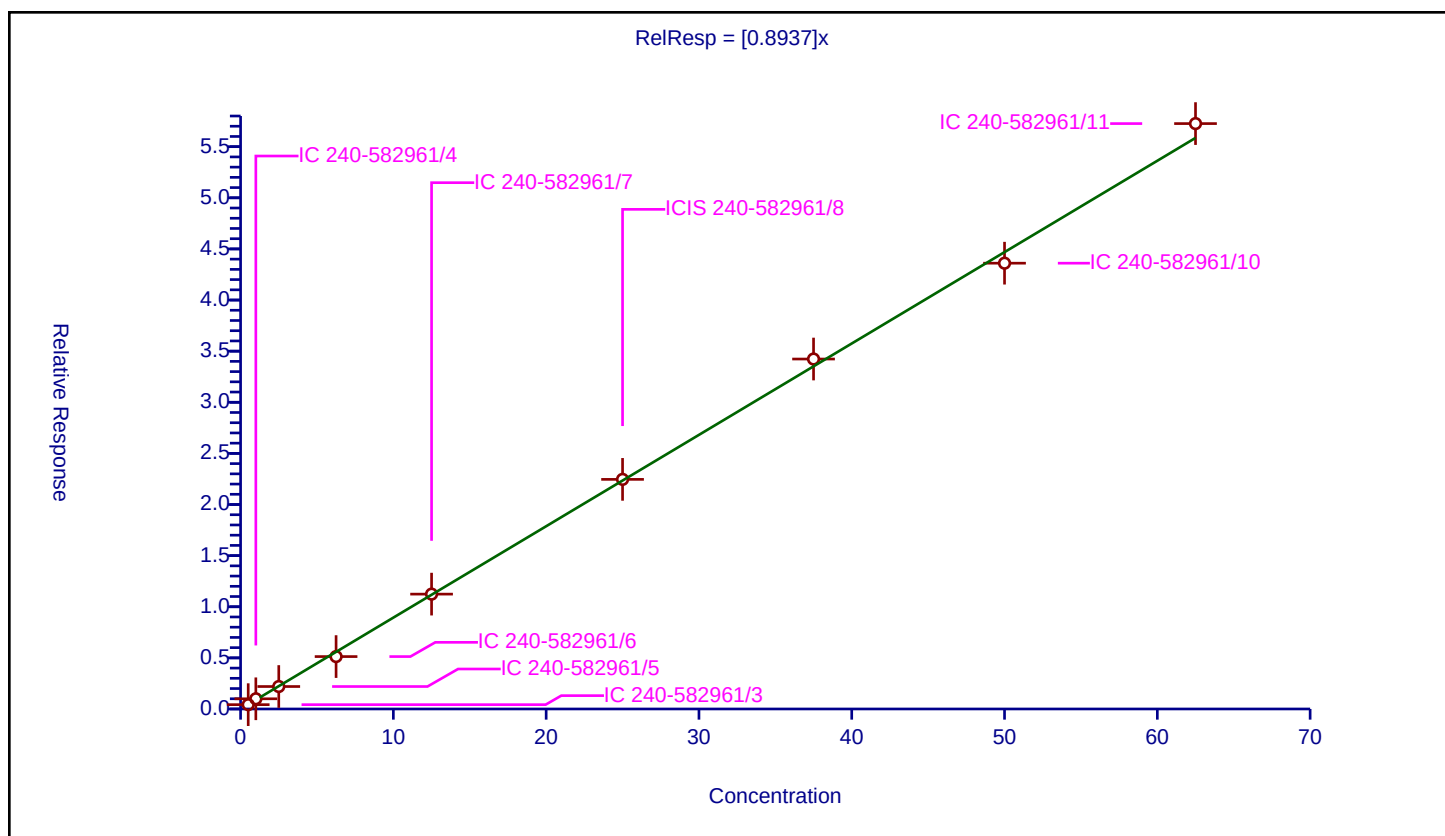
Curve Coefficients

Intercept: 0
Slope: 0.8937

Error Coefficients

Standard Error: 457000
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 240-582961/3	0.5	0.424493	25.0	381161.0	0.848985	Y
2	IC 240-582961/4	1.0	0.997341	25.0	380211.0	0.997341	Y
3	IC 240-582961/5	2.5	2.196679	25.0	403723.0	0.878672	Y
4	IC 240-582961/6	6.25	5.126225	25.0	394335.0	0.820196	Y
5	IC 240-582961/7	12.5	11.235841	25.0	331495.0	0.898867	Y
6	ICIS 240-582961/8	25.0	22.460048	25.0	372950.0	0.898402	Y
7	IC 240-582961/9	37.5	34.23017	25.0	375979.0	0.912805	Y
8	IC 240-582961/10	50.0	43.604192	25.0	394141.0	0.872084	Y
9	IC 240-582961/11	62.5	57.258241	25.0	389013.0	0.916132	Y



Calibration

/ 2-Chlorotoluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

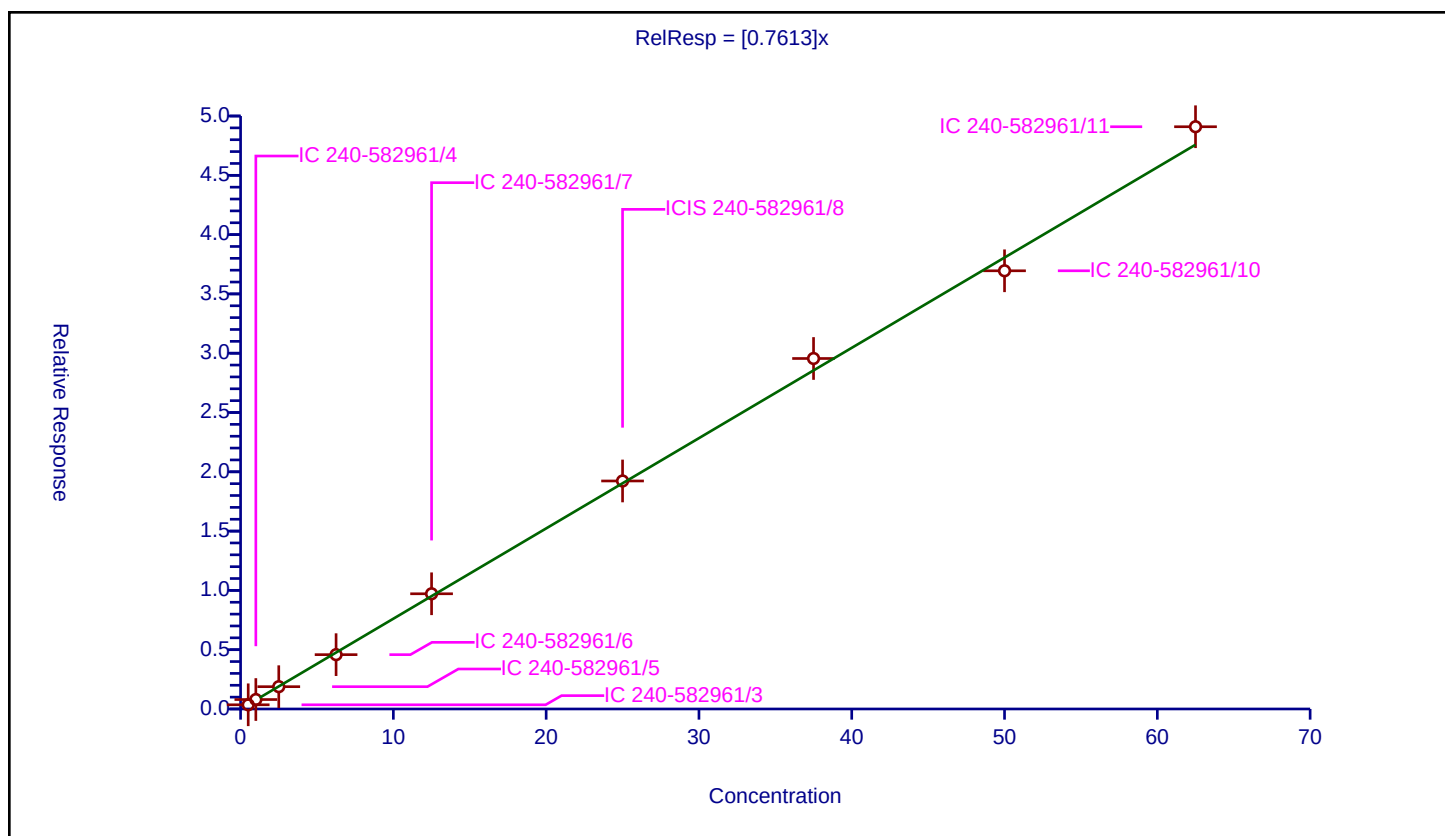
Curve Coefficients

Intercept: 0
Slope: 0.7613

Error Coefficients

Standard Error: 391000
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 240-582961/3	0.5	0.355034	25.0	381161.0	0.710067	Y
2	IC 240-582961/4	1.0	0.797189	25.0	380211.0	0.797189	Y
3	IC 240-582961/5	2.5	1.881055	25.0	403723.0	0.752422	Y
4	IC 240-582961/6	6.25	4.580623	25.0	394335.0	0.7329	Y
5	IC 240-582961/7	12.5	9.715456	25.0	331495.0	0.777236	Y
6	ICIS 240-582961/8	25.0	19.226974	25.0	372950.0	0.769079	Y
7	IC 240-582961/9	37.5	29.553778	25.0	375979.0	0.788101	Y
8	IC 240-582961/10	50.0	36.948643	25.0	394141.0	0.738973	Y
9	IC 240-582961/11	62.5	49.095274	25.0	389013.0	0.785524	Y



Calibration

/ 1,3,5-Trimethylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

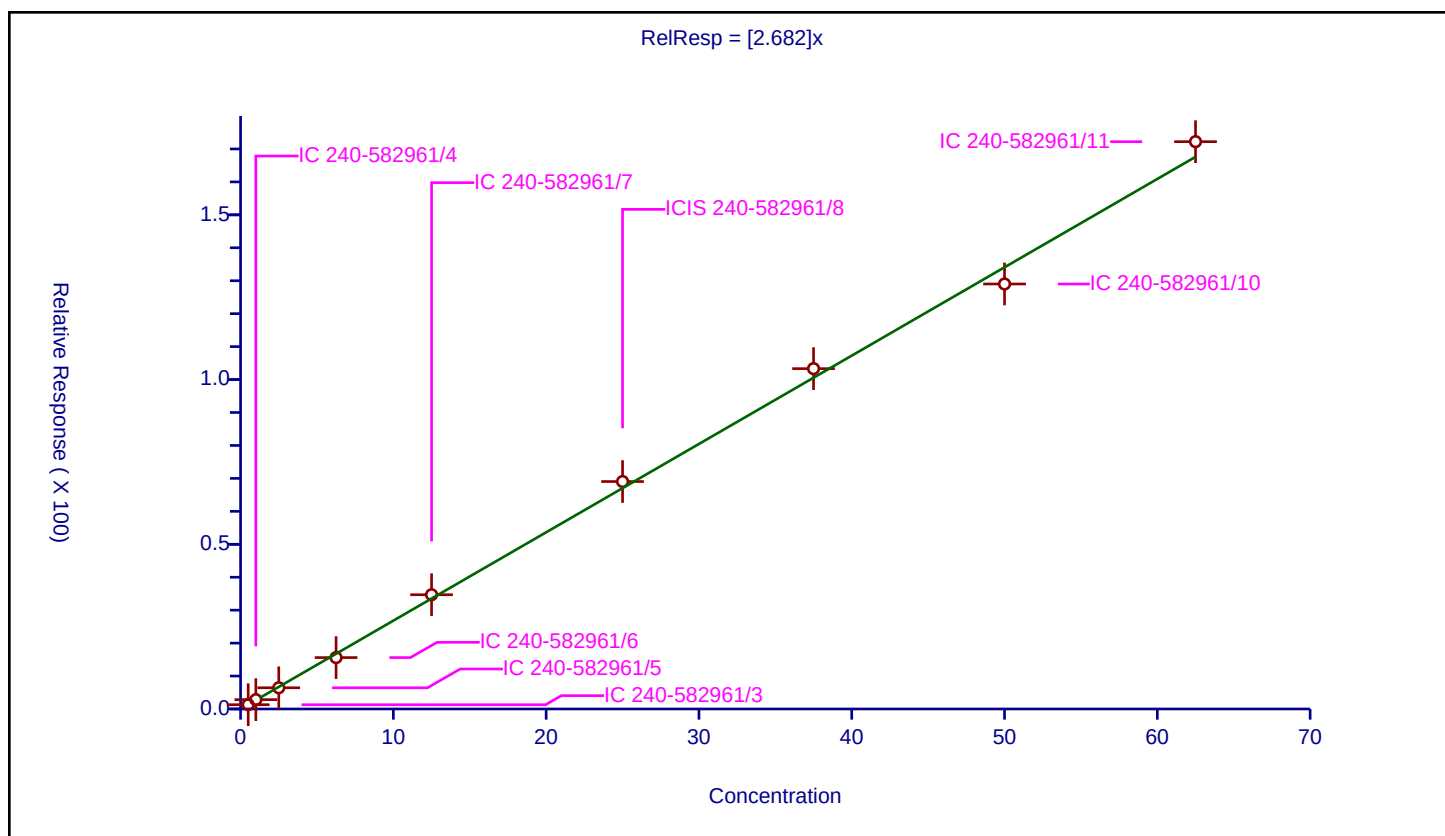
Curve Coefficients

Intercept: 0
Slope: 2.682

Error Coefficients

Standard Error: 1370000
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 240-582961/3	0.5	1.299254	25.0	381161.0	2.598508	Y
2	IC 240-582961/4	1.0	2.834808	25.0	380211.0	2.834808	Y
3	IC 240-582961/5	2.5	6.44266	25.0	403723.0	2.577064	Y
4	IC 240-582961/6	6.25	15.603548	25.0	394335.0	2.496568	Y
5	IC 240-582961/7	12.5	34.68363	25.0	331495.0	2.77469	Y
6	ICIS 240-582961/8	25.0	69.044041	25.0	372950.0	2.761762	Y
7	IC 240-582961/9	37.5	103.31222	25.0	375979.0	2.754993	Y
8	IC 240-582961/10	50.0	129.010811	25.0	394141.0	2.580216	Y
9	IC 240-582961/11	62.5	172.213589	25.0	389013.0	2.755417	Y



Calibration

/ 4-Chlorotoluene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

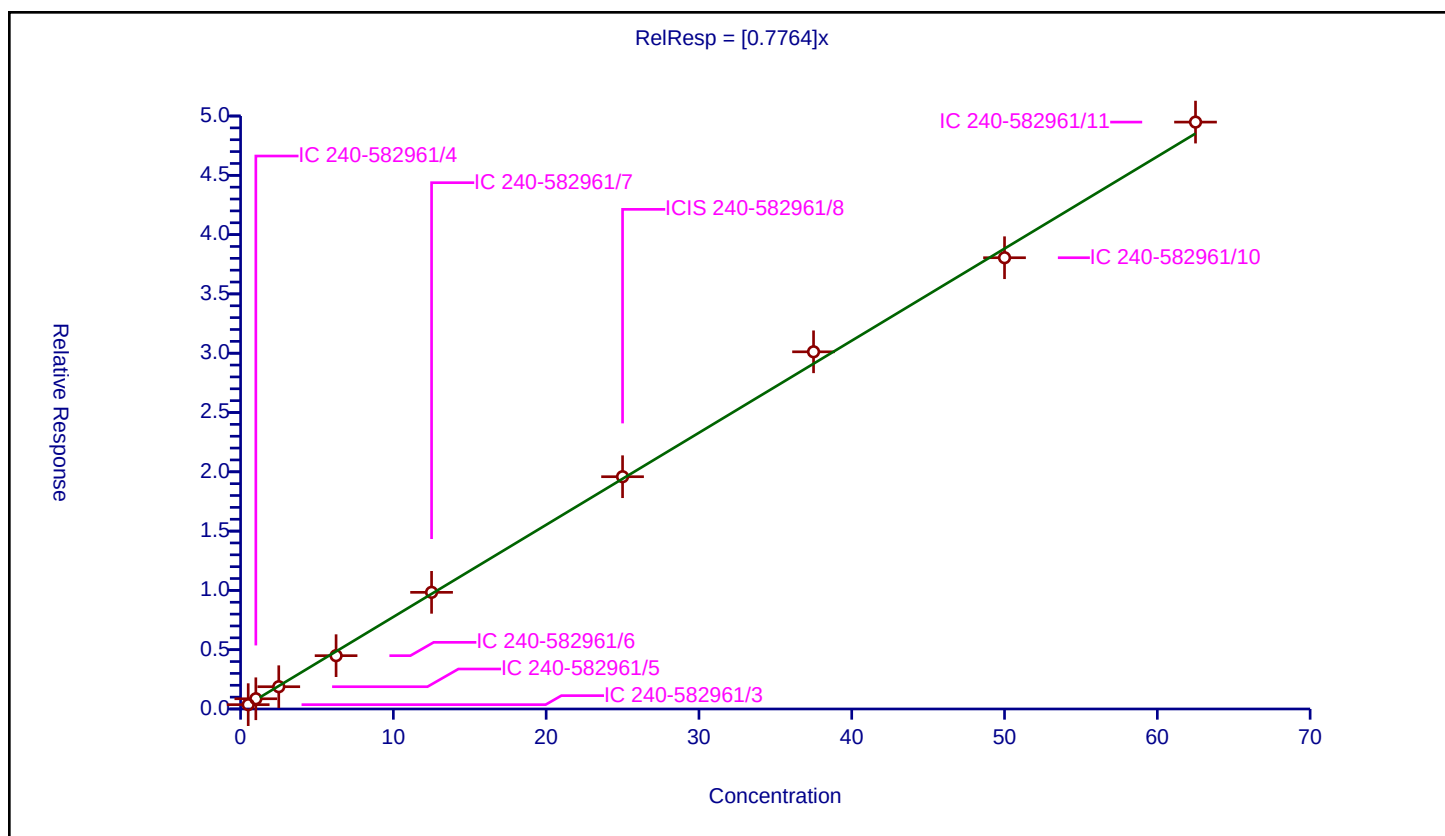
Curve Coefficients

Intercept: 0
Slope: 0.7764

Error Coefficients

Standard Error: 398000
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 240-582961/3	0.5	0.364479	25.0	381161.0	0.728957	Y
2	IC 240-582961/4	1.0	0.861824	25.0	380211.0	0.861824	Y
3	IC 240-582961/5	2.5	1.877587	25.0	403723.0	0.751035	Y
4	IC 240-582961/6	6.25	4.495797	25.0	394335.0	0.719327	Y
5	IC 240-582961/7	12.5	9.837102	25.0	331495.0	0.786968	Y
6	ICIS 240-582961/8	25.0	19.585333	25.0	372950.0	0.783413	Y
7	IC 240-582961/9	37.5	30.118304	25.0	375979.0	0.803155	Y
8	IC 240-582961/10	50.0	38.050596	25.0	394141.0	0.761012	Y
9	IC 240-582961/11	62.5	49.487485	25.0	389013.0	0.7918	Y



Calibration

/ tert-Butylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

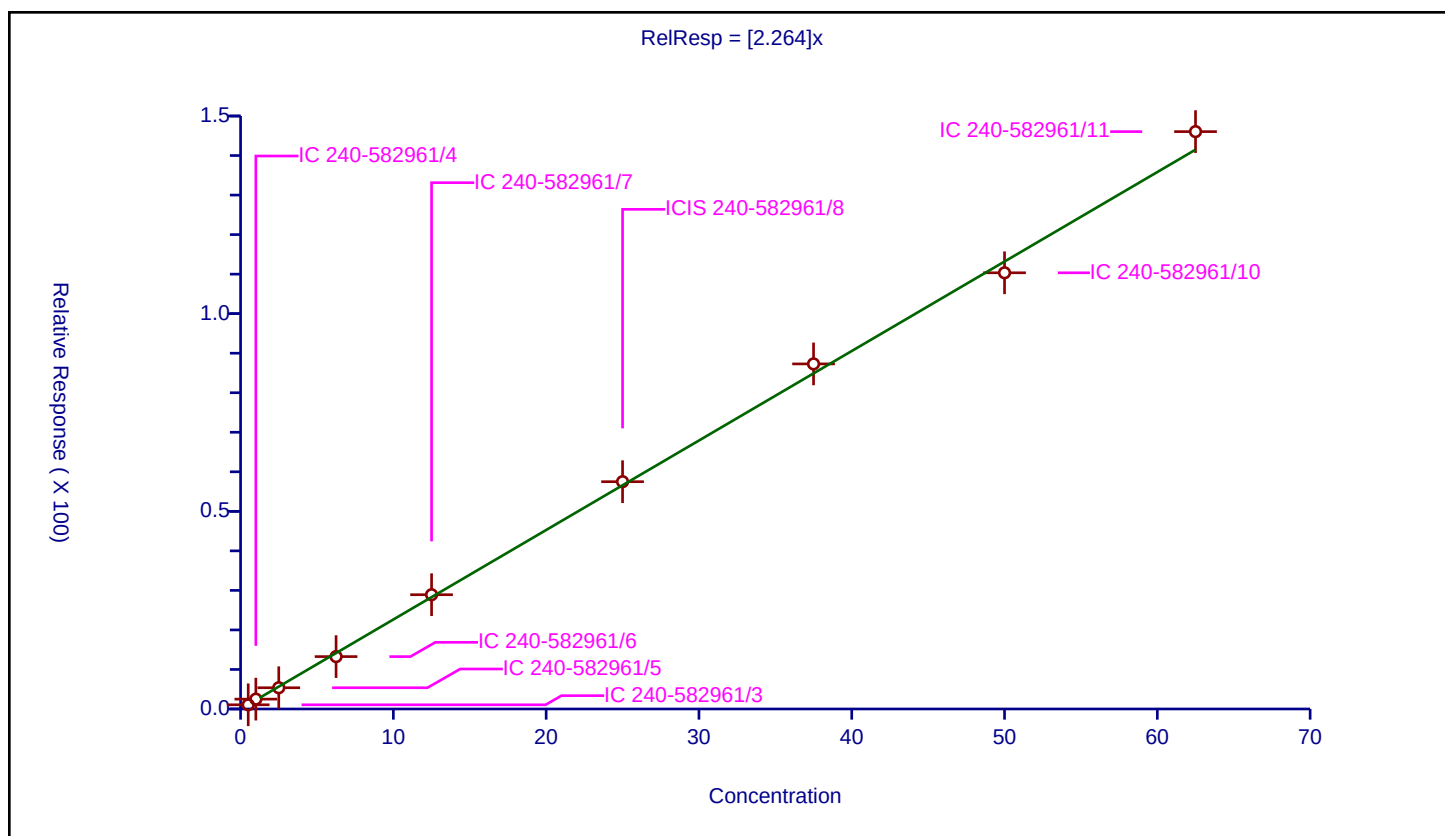
Curve Coefficients

Intercept: 0
Slope: 2.264

Error Coefficients

Standard Error: 1160000
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 240-582961/3	0.5	1.06392	25.0	381161.0	2.127841	Y
2	IC 240-582961/4	1.0	2.493944	25.0	380211.0	2.493944	Y
3	IC 240-582961/5	2.5	5.370452	25.0	403723.0	2.148181	Y
4	IC 240-582961/6	6.25	13.249458	25.0	394335.0	2.119913	Y
5	IC 240-582961/7	12.5	28.908807	25.0	331495.0	2.312705	Y
6	ICIS 240-582961/8	25.0	57.495576	25.0	372950.0	2.299823	Y
7	IC 240-582961/9	37.5	87.295434	25.0	375979.0	2.327878	Y
8	IC 240-582961/10	50.0	110.339764	25.0	394141.0	2.206795	Y
9	IC 240-582961/11	62.5	146.051353	25.0	389013.0	2.336822	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

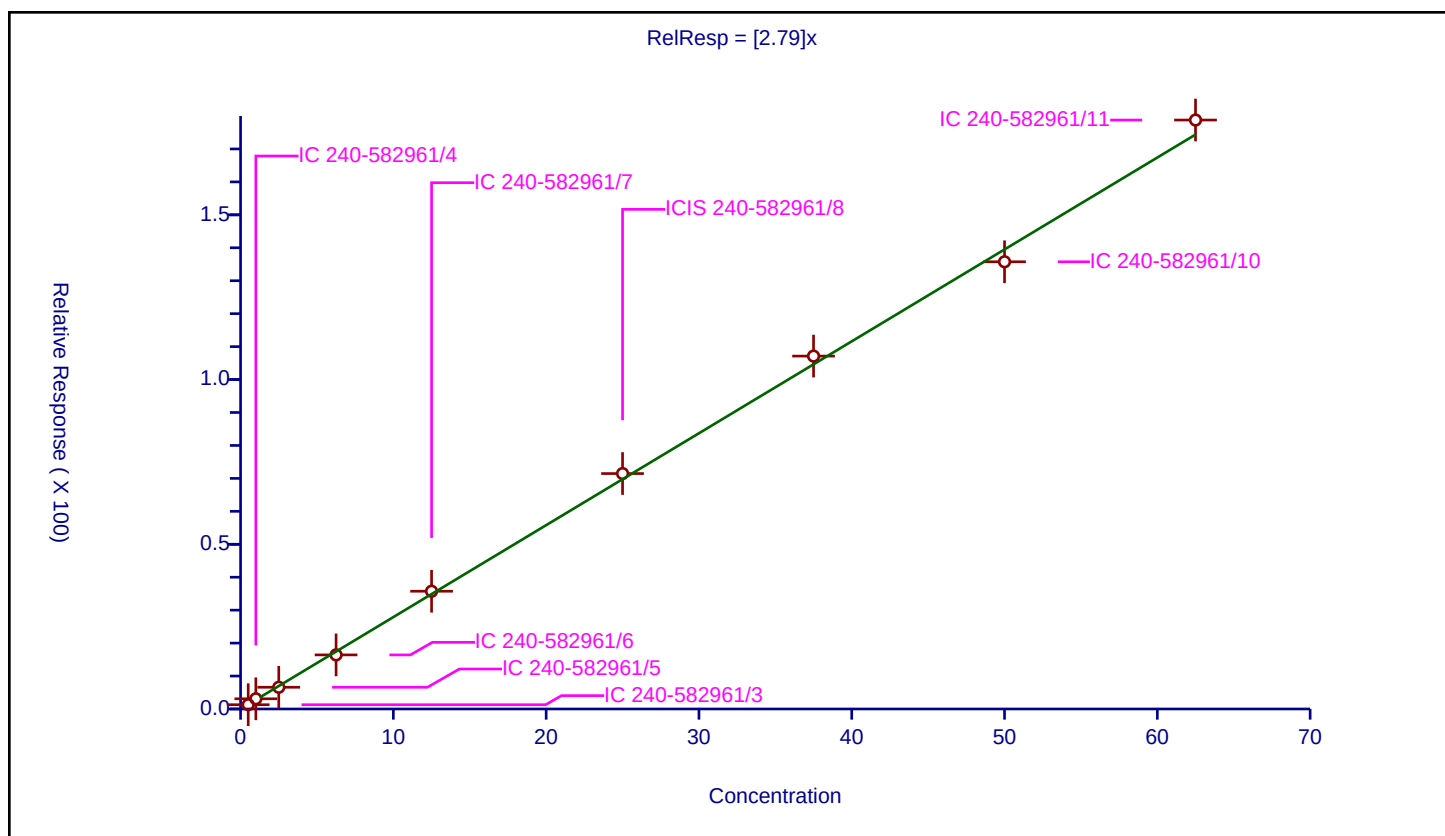
Curve Coefficients

Intercept: 0
Slope: 2.79

Error Coefficients

Standard Error: 1430000
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 240-582961/3	0.5	1.298401	25.0	381161.0	2.596803	Y
2	IC 240-582961/4	1.0	3.096241	25.0	380211.0	3.096241	Y
3	IC 240-582961/5	2.5	6.595921	25.0	403723.0	2.638368	Y
4	IC 240-582961/6	6.25	16.42398	25.0	394335.0	2.627837	Y
5	IC 240-582961/7	12.5	35.740132	25.0	331495.0	2.859211	Y
6	ICIS 240-582961/8	25.0	71.465411	25.0	372950.0	2.858616	Y
7	IC 240-582961/9	37.5	107.121408	25.0	375979.0	2.856571	Y
8	IC 240-582961/10	50.0	135.754146	25.0	394141.0	2.715083	Y
9	IC 240-582961/11	62.5	178.778987	25.0	389013.0	2.860464	Y



Calibration

/ sec-Butylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

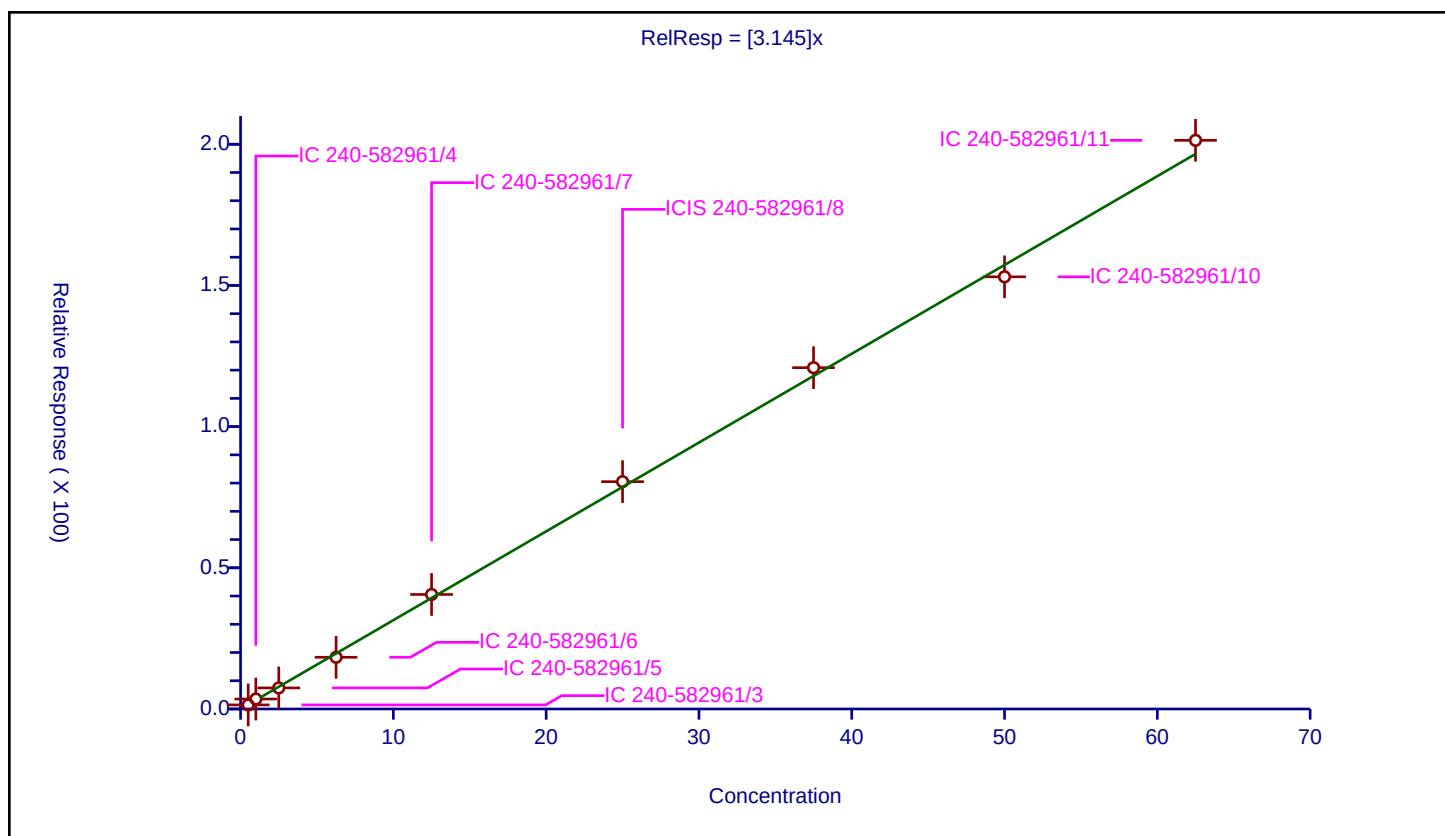
Curve Coefficients

Intercept: 0
Slope: 3.145

Error Coefficients

Standard Error: 1610000
Relative Standard Error: 6.3
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	1.446108	25.0	381161.0	2.892216	Y
2	IC 240-582961/4	1.0	3.5262	25.0	380211.0	3.5262	Y
3	IC 240-582961/5	2.5	7.462604	25.0	403723.0	2.985042	Y
4	IC 240-582961/6	6.25	18.312729	25.0	394335.0	2.930037	Y
5	IC 240-582961/7	12.5	40.555891	25.0	331495.0	3.244471	Y
6	ICIS 240-582961/8	25.0	80.501743	25.0	372950.0	3.22007	Y
7	IC 240-582961/9	37.5	120.872775	25.0	375979.0	3.223274	Y
8	IC 240-582961/10	50.0	153.051573	25.0	394141.0	3.061031	Y
9	IC 240-582961/11	62.5	201.391727	25.0	389013.0	3.222268	Y



Calibration

/ 1,3-Dichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

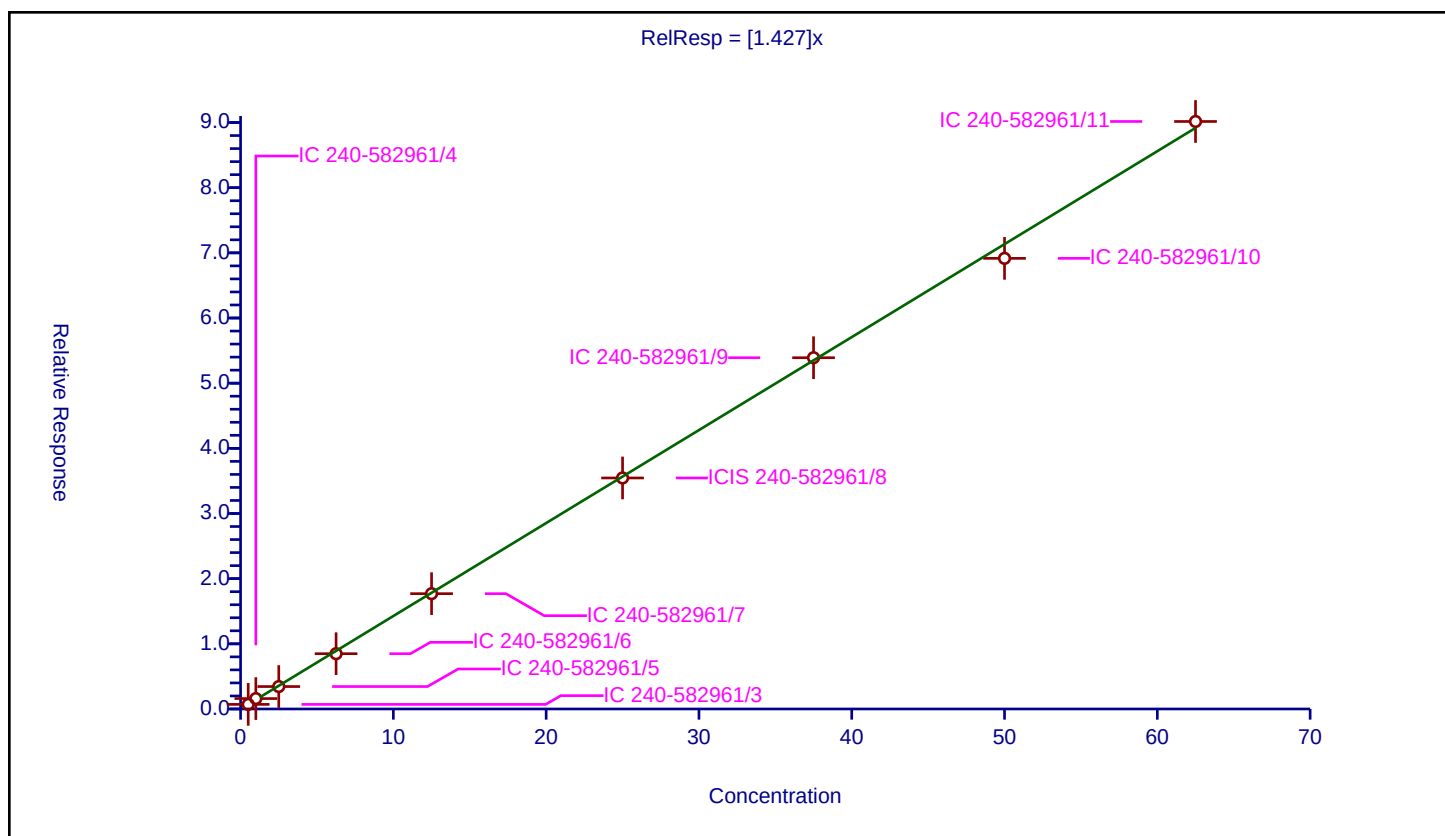
Curve Coefficients

Intercept: 0
Slope: 1.427

Error Coefficients

Standard Error: 722000
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 240-582961/3	0.5	0.705739	25.0	381161.0	1.411477	Y
2	IC 240-582961/4	1.0	1.597666	25.0	380211.0	1.597666	Y
3	IC 240-582961/5	2.5	3.442088	25.0	403723.0	1.376835	Y
4	IC 240-582961/6	6.25	8.483523	25.0	394335.0	1.357364	Y
5	IC 240-582961/7	12.5	17.695667	25.0	331495.0	1.415653	Y
6	ICIS 240-582961/8	25.0	35.45301	25.0	372950.0	1.41812	Y
7	IC 240-582961/9	37.5	53.908463	25.0	375979.0	1.437559	Y
8	IC 240-582961/10	50.0	69.154884	25.0	394141.0	1.383098	Y
9	IC 240-582961/11	62.5	90.16164	25.0	389013.0	1.442586	Y



Calibration

/ 4-Isopropyltoluene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

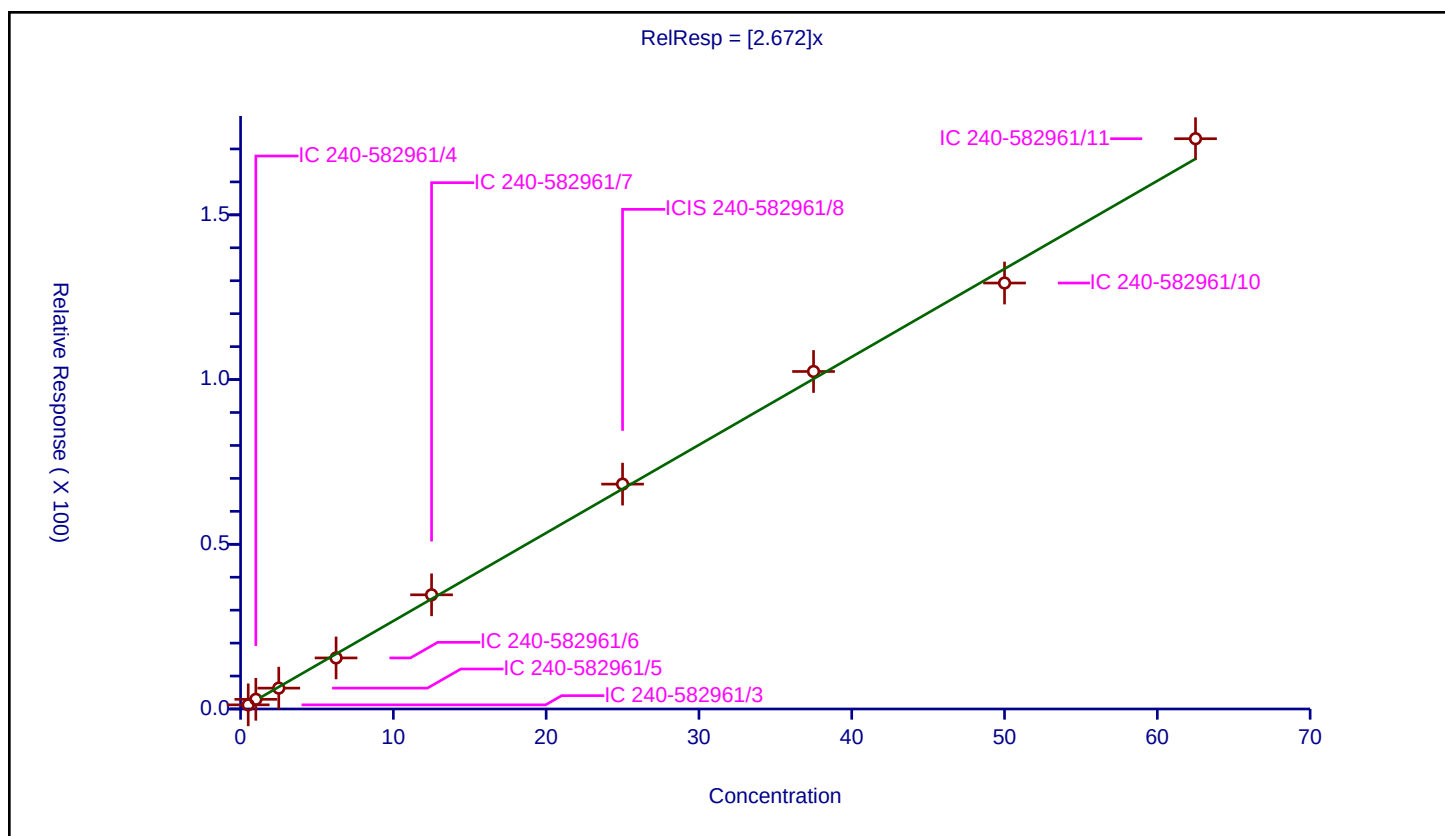
Curve Coefficients

Intercept: 0
 Slope: 2.672

Error Coefficients

Standard Error: 1370000
 Relative Standard Error: 5.7
 Correlation Coefficient: 0.998
 Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	1.256228	25.0	381161.0	2.512455	Y
2	IC 240-582961/4	1.0	2.931267	25.0	380211.0	2.931267	Y
3	IC 240-582961/5	2.5	6.334108	25.0	403723.0	2.533643	Y
4	IC 240-582961/6	6.25	15.496215	25.0	394335.0	2.479394	Y
5	IC 240-582961/7	12.5	34.656631	25.0	331495.0	2.772531	Y
6	ICIS 240-582961/8	25.0	68.258279	25.0	372950.0	2.730331	Y
7	IC 240-582961/9	37.5	102.454924	25.0	375979.0	2.732131	Y
8	IC 240-582961/10	50.0	129.299794	25.0	394141.0	2.585996	Y
9	IC 240-582961/11	62.5	173.107325	25.0	389013.0	2.769717	Y



Calibration

/ 1,4-Dichlorobenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

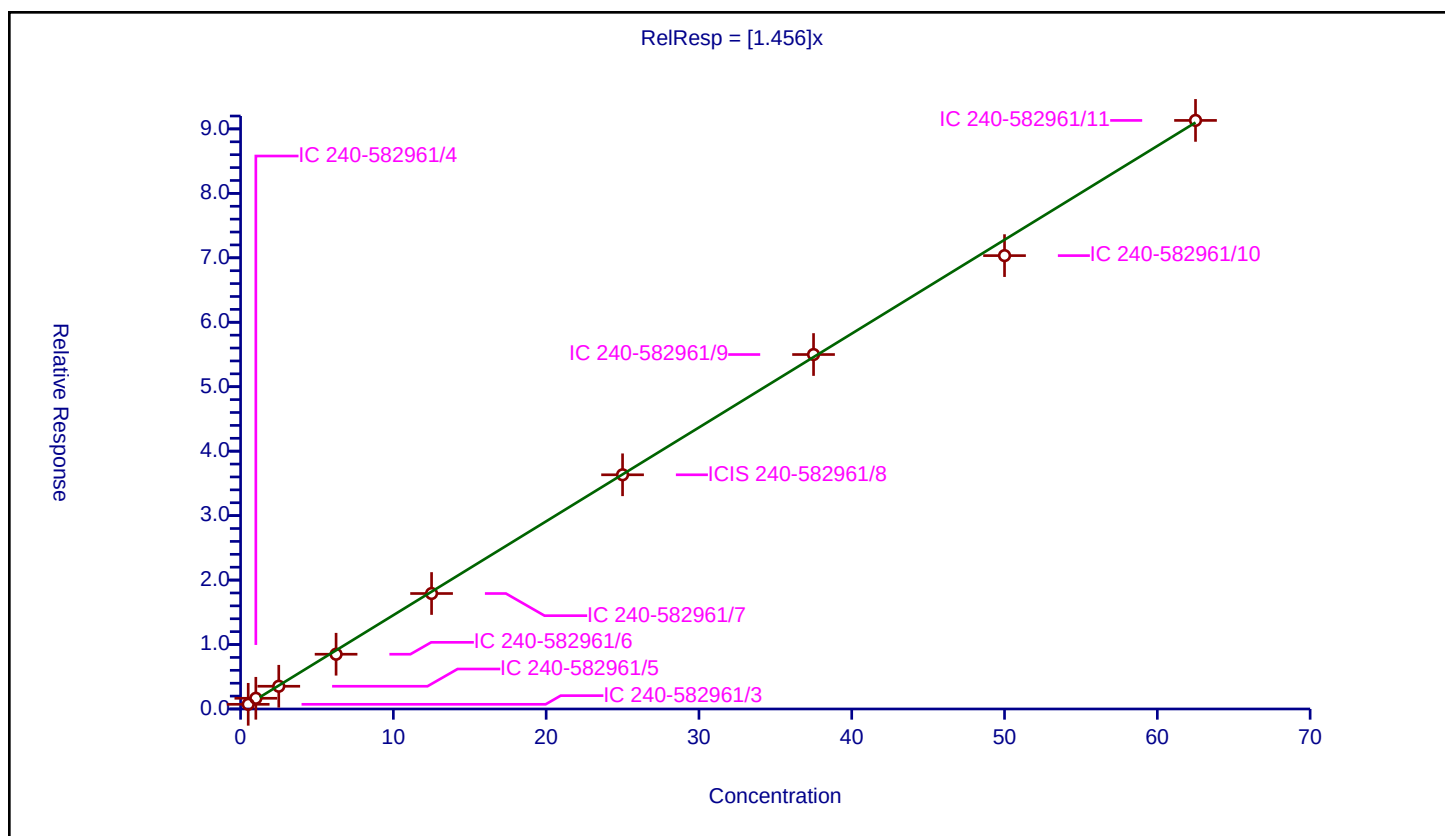
Curve Coefficients

Intercept: 0
Slope: 1.456

Error Coefficients

Standard Error: 734000
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 240-582961/3	0.5	0.725809	25.0	381161.0	1.451618	Y
2	IC 240-582961/4	1.0	1.66092	25.0	380211.0	1.66092	Y
3	IC 240-582961/5	2.5	3.525065	25.0	403723.0	1.410026	Y
4	IC 240-582961/6	6.25	8.495759	25.0	394335.0	1.359321	Y
5	IC 240-582961/7	12.5	17.916786	25.0	331495.0	1.433343	Y
6	ICIS 240-582961/8	25.0	36.337445	25.0	372950.0	1.453498	Y
7	IC 240-582961/9	37.5	54.995691	25.0	375979.0	1.466552	Y
8	IC 240-582961/10	50.0	70.34291	25.0	394141.0	1.406858	Y
9	IC 240-582961/11	62.5	91.318349	25.0	389013.0	1.461094	Y



Calibration

/ 1,2-Dichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

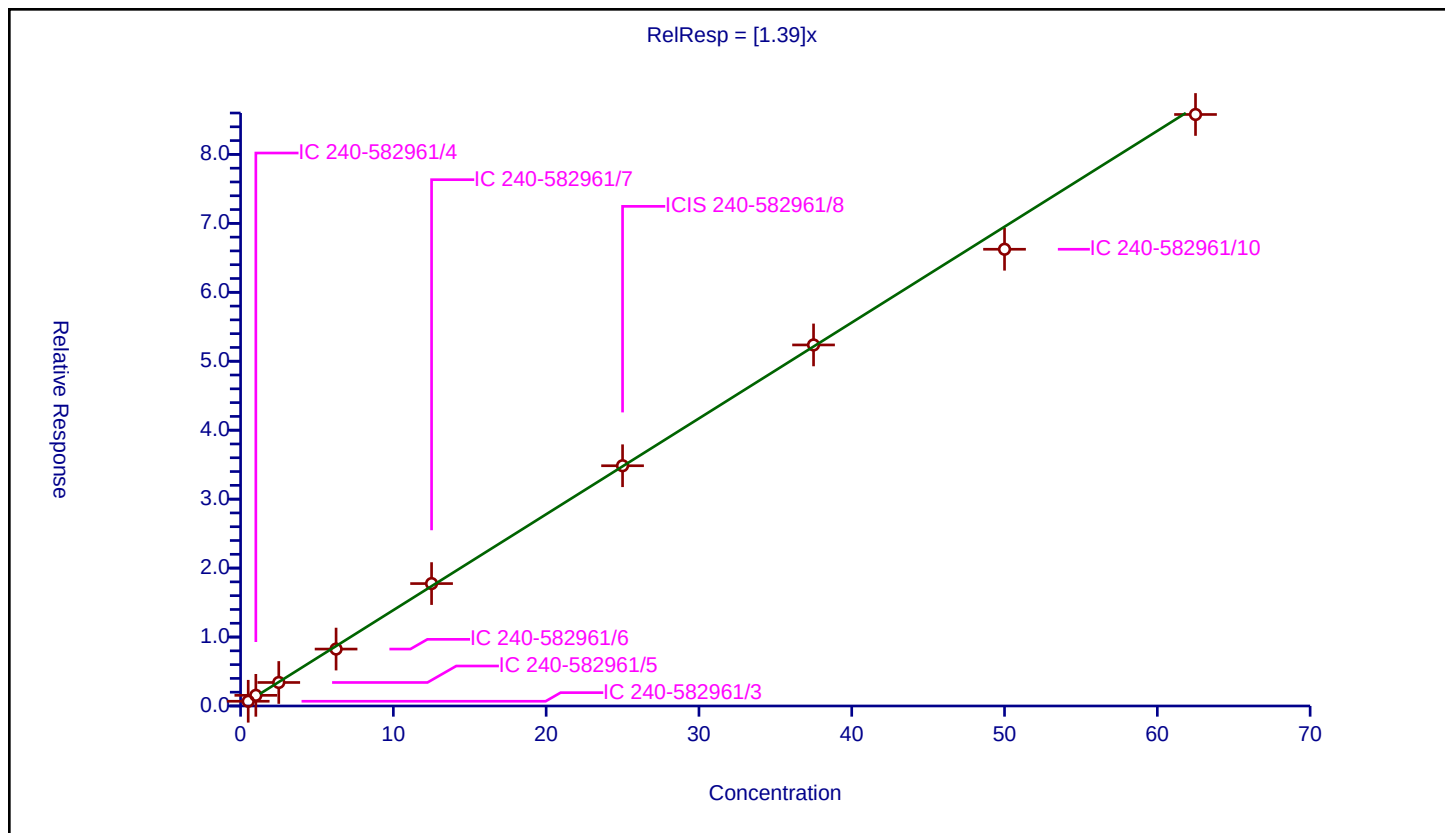
Curve Coefficients

Intercept: 0
 Slope: 1.39

Error Coefficients

Standard Error: 693000
 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 240-582961/3	0.5	0.687439	25.0	381161.0	1.374878	Y
2	IC 240-582961/4	1.0	1.544669	25.0	380211.0	1.544669	Y
3	IC 240-582961/5	2.5	3.408154	25.0	403723.0	1.363261	Y
4	IC 240-582961/6	6.25	8.256305	25.0	394335.0	1.321009	Y
5	IC 240-582961/7	12.5	17.753134	25.0	331495.0	1.420251	Y
6	ICIS 240-582961/8	25.0	34.843813	25.0	372950.0	1.393753	Y
7	IC 240-582961/9	37.5	52.362632	25.0	375979.0	1.396337	Y
8	IC 240-582961/10	50.0	66.240762	25.0	394141.0	1.324815	Y
9	IC 240-582961/11	62.5	85.788778	25.0	389013.0	1.37262	Y



Calibration

/ n-Butylbenzene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

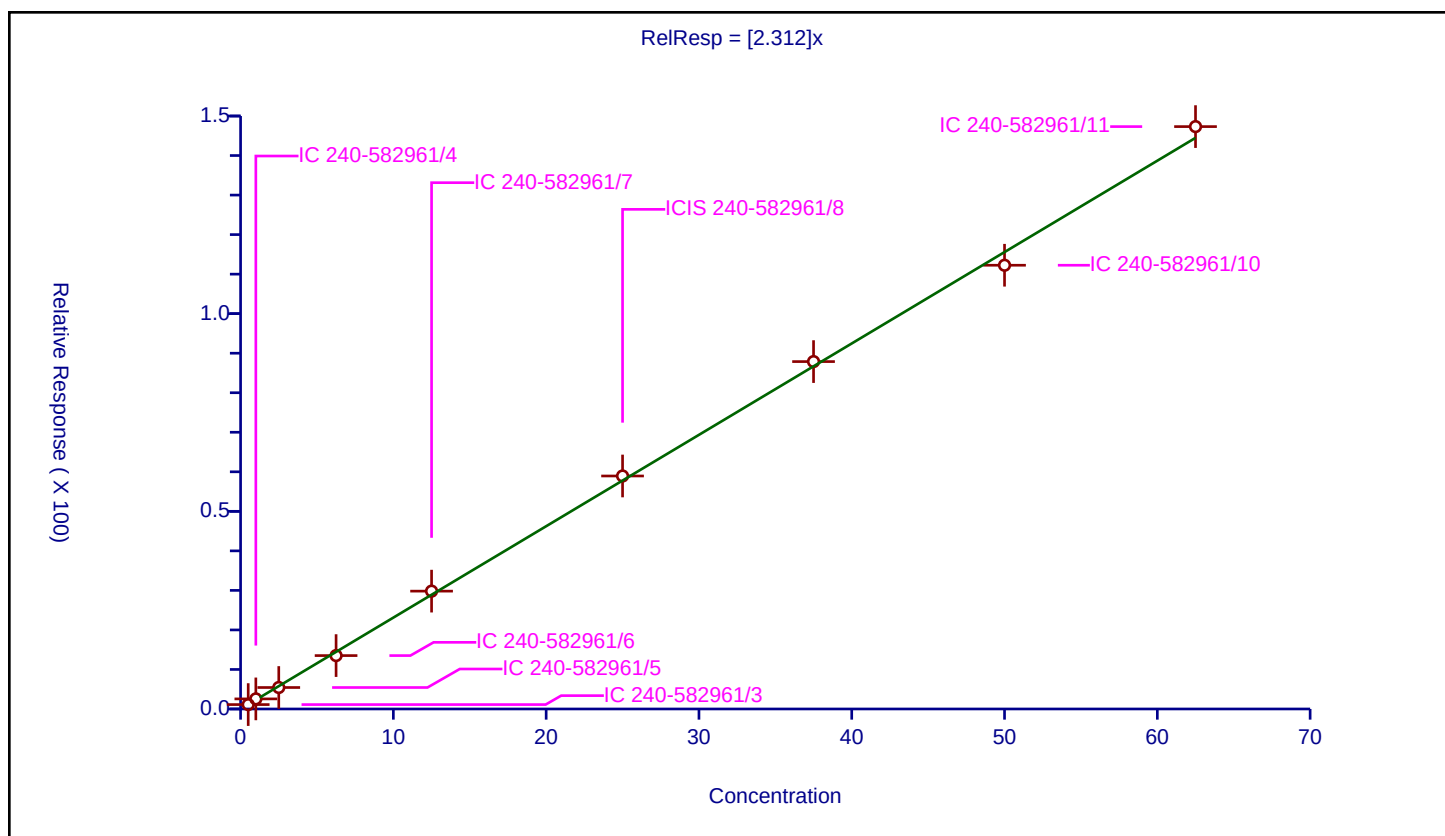
Curve Coefficients

Intercept: 0
Slope: 2.312

Error Coefficients

Standard Error: 1180000
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 240-582961/3	0.5	1.11344	25.0	381161.0	2.226881	Y
2	IC 240-582961/4	1.0	2.554503	25.0	380211.0	2.554503	Y
3	IC 240-582961/5	2.5	5.43411	25.0	403723.0	2.173644	Y
4	IC 240-582961/6	6.25	13.505712	25.0	394335.0	2.160914	Y
5	IC 240-582961/7	12.5	29.812214	25.0	331495.0	2.384977	Y
6	ICIS 240-582961/8	25.0	58.940005	25.0	372950.0	2.3576	Y
7	IC 240-582961/9	37.5	87.879509	25.0	375979.0	2.343454	Y
8	IC 240-582961/10	50.0	112.250121	25.0	394141.0	2.245002	Y
9	IC 240-582961/11	62.5	147.319177	25.0	389013.0	2.357107	Y



Calibration

/ 1,2-Dibromo-3-Chloropropane

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

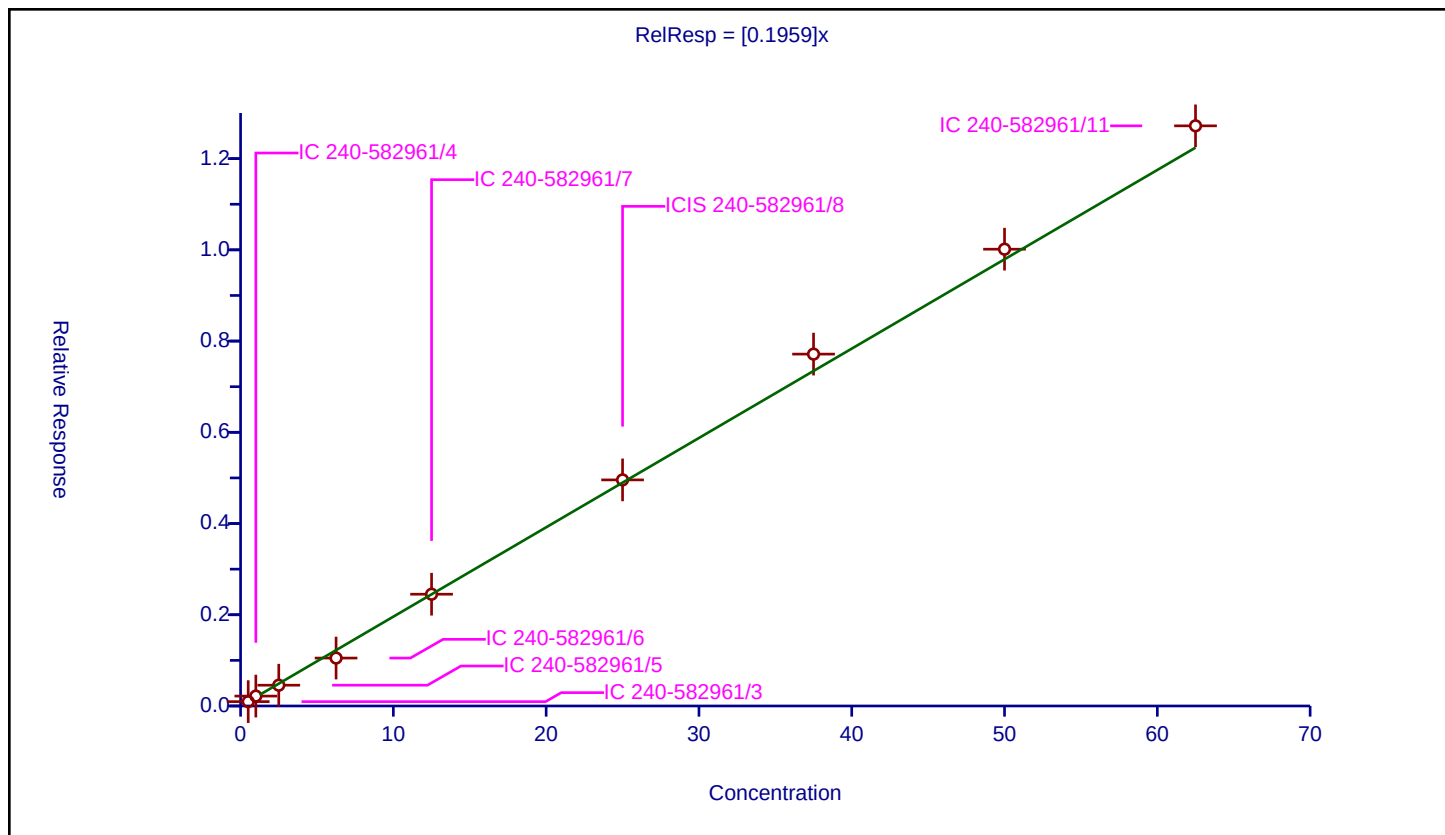
Curve Coefficients

Intercept: 0
Slope: 0.1959

Error Coefficients

Standard Error: 103000
Relative Standard Error: 7.3
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.095498	25.0	381161.0	0.190995	Y
2	IC 240-582961/4	1.0	0.217445	25.0	380211.0	0.217445	Y
3	IC 240-582961/5	2.5	0.455944	25.0	403723.0	0.182378	Y
4	IC 240-582961/6	6.25	1.05063	25.0	394335.0	0.168101	Y
5	IC 240-582961/7	12.5	2.450414	25.0	331495.0	0.196033	Y
6	ICIS 240-582961/8	25.0	4.956496	25.0	372950.0	0.19826	Y
7	IC 240-582961/9	37.5	7.714394	25.0	375979.0	0.205717	Y
8	IC 240-582961/10	50.0	10.014563	25.0	394141.0	0.200291	Y
9	IC 240-582961/11	62.5	12.718919	25.0	389013.0	0.203503	Y



Calibration

/ 1,2,4-Trichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

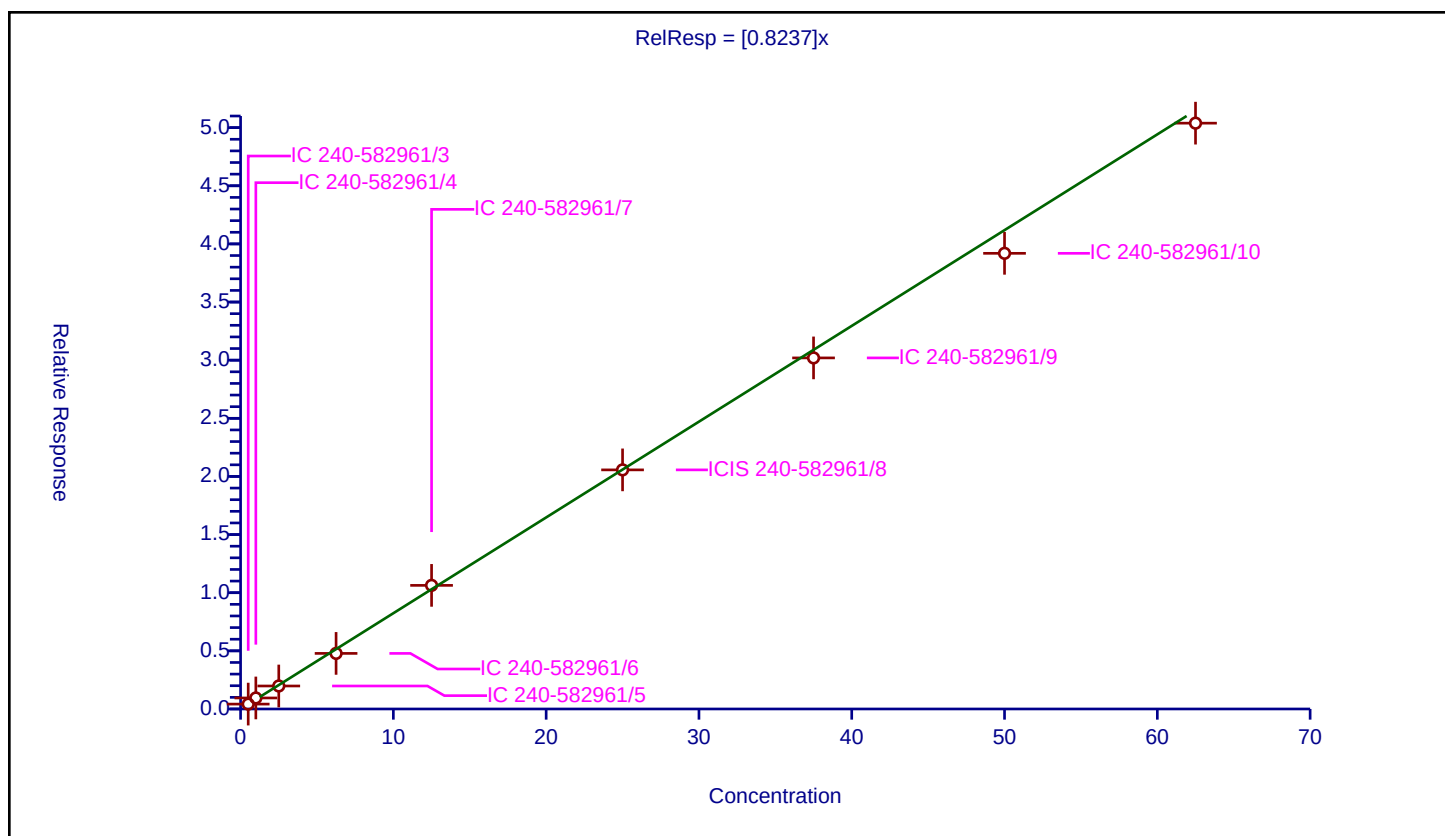
Curve Coefficients

Intercept: 0
 Slope: 0.8237

Error Coefficients

Standard Error: 407000
 Relative Standard Error: 6.5
 Correlation Coefficient: 0.999
 Coefficient of Determination (Adjusted): 0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.420623	25.0	381161.0	0.841246	Y
2	IC 240-582961/4	1.0	0.947303	25.0	380211.0	0.947303	Y
3	IC 240-582961/5	2.5	1.978151	25.0	403723.0	0.79126	Y
4	IC 240-582961/6	6.25	4.781848	25.0	394335.0	0.765096	Y
5	IC 240-582961/7	12.5	10.631759	25.0	331495.0	0.850541	Y
6	ICIS 240-582961/8	25.0	20.563883	25.0	372950.0	0.822555	Y
7	IC 240-582961/9	37.5	30.195503	25.0	375979.0	0.805213	Y
8	IC 240-582961/10	50.0	39.191558	25.0	394141.0	0.783831	Y
9	IC 240-582961/11	62.5	50.385206	25.0	389013.0	0.806163	Y



Calibration

/ Hexachlorobutadiene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

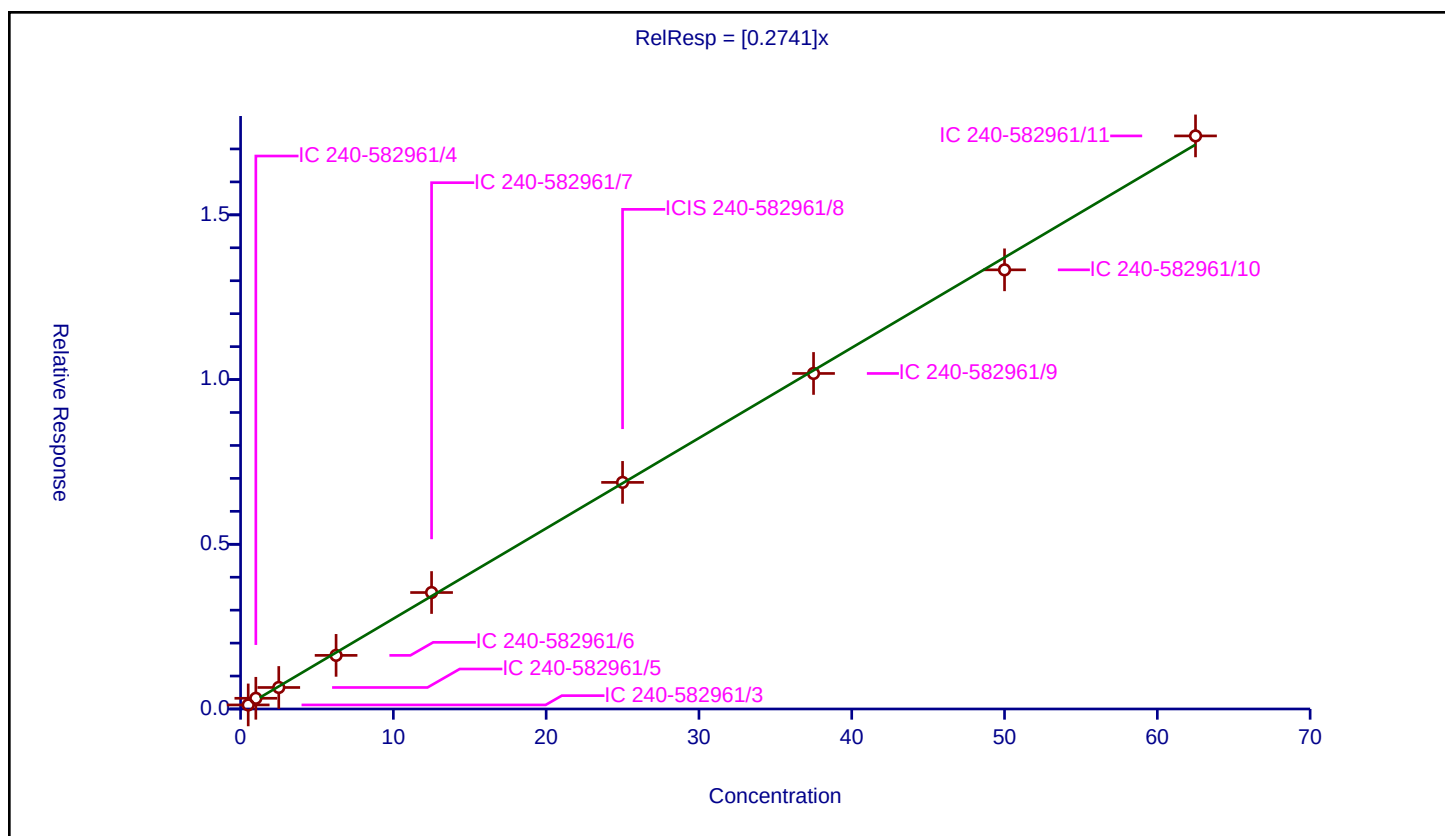
Curve Coefficients

Intercept: 0
Slope: 0.2741

Error Coefficients

Standard Error: 139000
Relative Standard Error: 8.0
Correlation Coefficient: 0.999
Coefficient of Determination (Adjusted): 0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	0.123045	25.0	381161.0	0.24609	Y
2	IC 240-582961/4	1.0	0.324754	25.0	380211.0	0.324754	Y
3	IC 240-582961/5	2.5	0.653047	25.0	403723.0	0.261219	Y
4	IC 240-582961/6	6.25	1.627677	25.0	394335.0	0.260428	Y
5	IC 240-582961/7	12.5	3.535272	25.0	331495.0	0.282822	Y
6	ICIS 240-582961/8	25.0	6.878335	25.0	372950.0	0.275133	Y
7	IC 240-582961/9	37.5	10.185077	25.0	375979.0	0.271602	Y
8	IC 240-582961/10	50.0	13.330509	25.0	394141.0	0.26661	Y
9	IC 240-582961/11	62.5	17.396012	25.0	389013.0	0.278336	Y



Calibration

/ Naphthalene

Curve Type: Average
Weighting: Conc_Sq
Origin: Force
Dependency: Response
Calib Mode: ISTD
Response Base: AREA
RF Rounding: 0

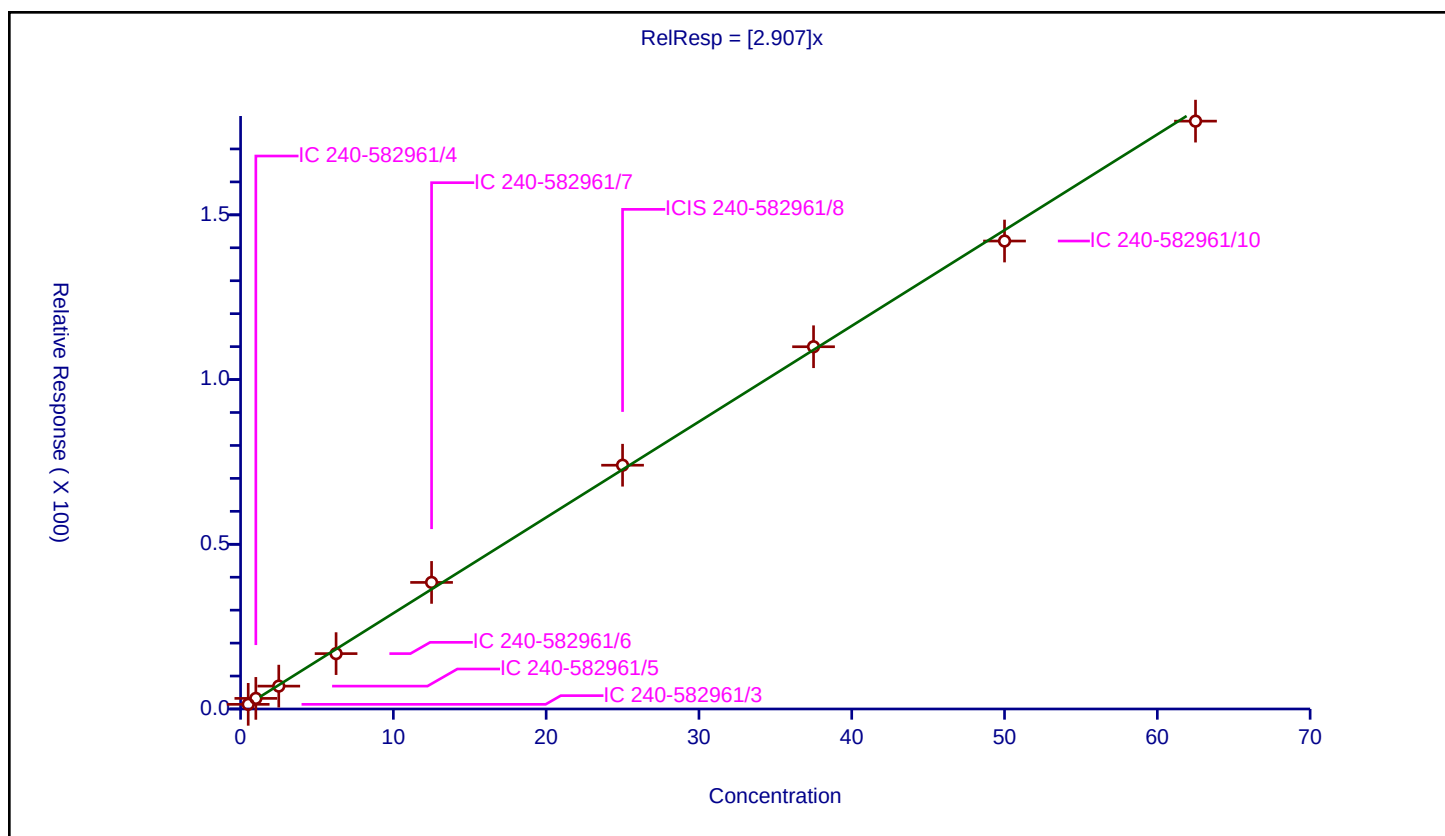
Curve Coefficients

Intercept: 0
Slope: 2.907

Error Coefficients

Standard Error: 1460000
Relative Standard Error: 5.6
Correlation Coefficient: 1.000
Coefficient of Determination (Adjusted): 0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 240-582961/3	0.5	1.408985	25.0	381161.0	2.817969	Y
2	IC 240-582961/4	1.0	3.21966	25.0	380211.0	3.21966	Y
3	IC 240-582961/5	2.5	6.937863	25.0	403723.0	2.775145	Y
4	IC 240-582961/6	6.25	16.805128	25.0	394335.0	2.68882	Y
5	IC 240-582961/7	12.5	38.422902	25.0	331495.0	3.073832	Y
6	ICIS 240-582961/8	25.0	73.997185	25.0	372950.0	2.959887	Y
7	IC 240-582961/9	37.5	109.965716	25.0	375979.0	2.932419	Y
8	IC 240-582961/10	50.0	142.053922	25.0	394141.0	2.841078	Y
9	IC 240-582961/11	62.5	178.442816	25.0	389013.0	2.855085	Y



Calibration

/ 1,2,3-Trichlorobenzene

Curve Type: Average
 Weighting: Conc_Sq
 Origin: Force
 Dependency: Response
 Calib Mode: ISTD
 Response Base: AREA
 RF Rounding: 0

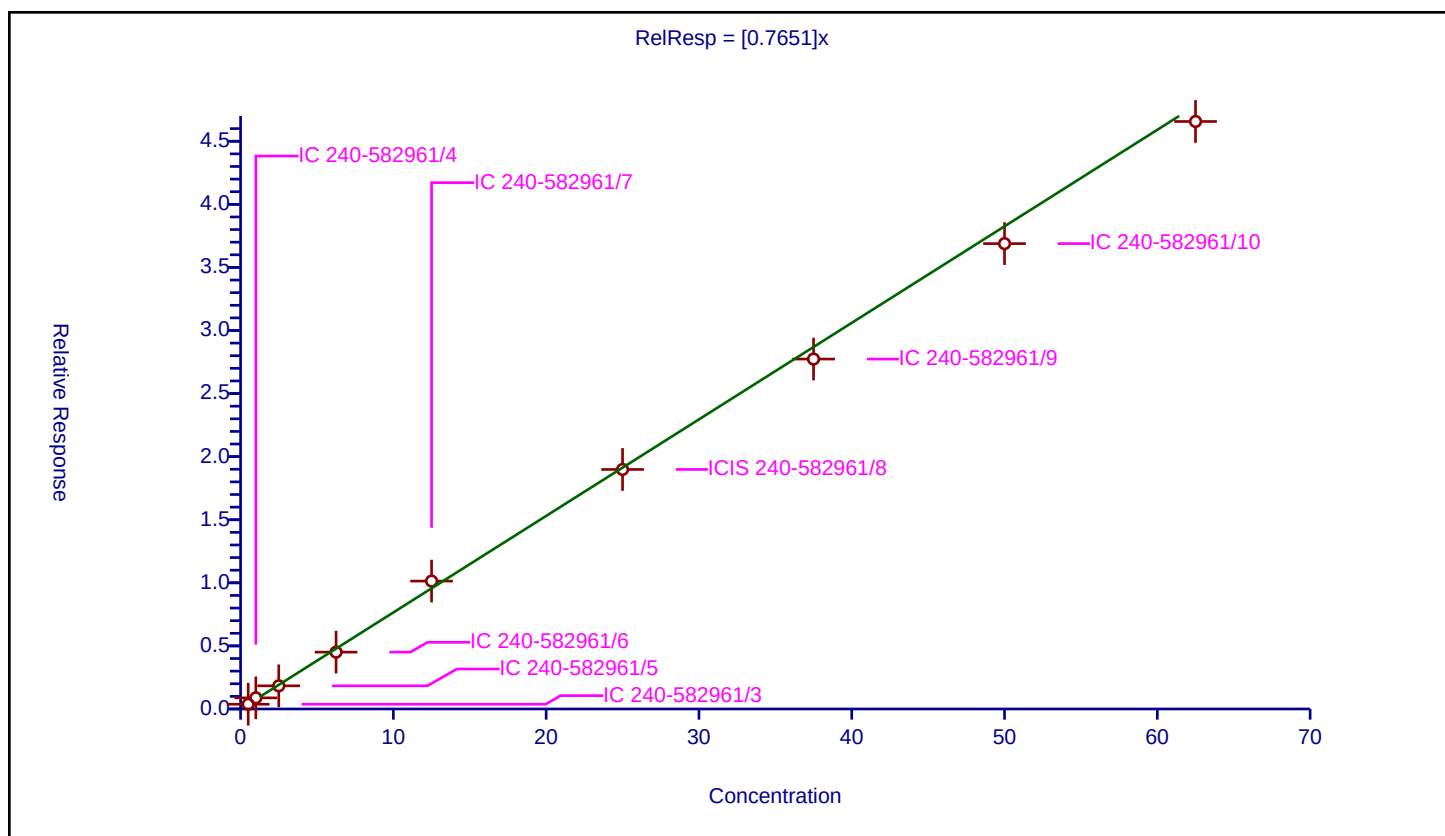
Curve Coefficients

Intercept: 0
 Slope: 0.7651

Error Coefficients

Standard Error: 378000
 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 240-582961/3	0.5	0.378055	25.0	381161.0	0.756111	Y
2	IC 240-582961/4	1.0	0.881944	25.0	380211.0	0.881944	Y
3	IC 240-582961/5	2.5	1.835107	25.0	403723.0	0.734043	Y
4	IC 240-582961/6	6.25	4.507082	25.0	394335.0	0.721133	Y
5	IC 240-582961/7	12.5	10.139067	25.0	331495.0	0.811125	Y
6	ICIS 240-582961/8	25.0	18.985789	25.0	372950.0	0.759432	Y
7	IC 240-582961/9	37.5	27.735725	25.0	375979.0	0.739619	Y
8	IC 240-582961/10	50.0	36.885341	25.0	394141.0	0.737707	Y
9	IC 240-582961/11	62.5	46.566889	25.0	389013.0	0.74507	Y



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Lab Sample ID: ICV 240-531220/18 Calibration Date: 06/17/2022 19:01

Instrument ID: A3UX15 Calib Start Date: 06/17/2022 15:29

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 06/17/2022 18:14

Lab File ID: UXC2443.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	0.2036	0.1839	0.1000	0.0181	0.0200	-9.7	30.0
Chloromethane	Ave	0.2633	0.2378	0.1000	0.0181	0.0200	-9.7	30.0
Vinyl chloride	Ave	0.2696	0.2630	0.1000	0.0195	0.0200	-2.4	30.0
Butadiene	Ave	0.2717	0.2364		0.0174	0.0200	-13.0	30.0
Bromomethane	Ave	0.2097	0.1877	0.0500	0.0179	0.0200	-10.5	30.0
Chloroethane	Ave	0.1956	0.1852	0.0500	0.0189	0.0200	-5.3	30.0
Dichlorofluoromethane	Ave	0.4434	0.4178		0.0188	0.0200	-5.8	30.0
Trichlorofluoromethane	Ave	0.3739	0.3773	0.1000	0.0202	0.0200	0.9	30.0
Ethyl ether	Ave	0.1994	0.2070		0.0208	0.0200	3.8	30.0
Acrolein	Ave	0.0248	0.0254		0.103	0.100	2.7	30.0
1,1-Dichloroethene	Ave	0.2005	0.2121	0.1000	0.0212	0.0200	5.8	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1374	0.1553	0.0500	0.0226	0.0200	13.1	30.0
Acetone	Lin1		0.0736	0.0100	0.0389	0.0400	-2.8	50.0
Iodomethane	Ave	0.3230	0.3615		0.0224	0.0200	11.9	30.0
Carbon disulfide	Ave	0.5853	0.6445	0.1000	0.0220	0.0200	10.1	30.0
Methyl acetate	Ave	0.2451	0.2308	0.0500	0.0377	0.0400	-5.8	50.0
3-Chloro-1-propene	Ave	0.1612	0.1608		0.0200	0.0200	-0.2	30.0
Methylene Chloride	Lin1		0.2370	0.1000	0.0202	0.0200	1.0	50.0
2-Methyl-2-propanol	Ave	0.0275	0.0276		0.200	0.200	0.2	30.0
Acrylonitrile	Ave	0.1016	0.1050		0.207	0.200	3.4	30.0
Methyl tert-butyl ether	Ave	0.6769	0.6902	0.1000	0.0204	0.0200	2.0	30.0
trans-1,2-Dichloroethene	Ave	0.2646	0.2566	0.1000	0.0194	0.0200	-3.0	30.0
Hexane	Ave	0.0609	0.0618		0.0203	0.0200	1.5	30.0
Vinyl acetate	Ave	0.3729	0.3208		0.0172	0.0200	-14.0	30.0
1,1-Dichloroethane	Ave	0.4324	0.4304	0.2000	0.0199	0.0200	-0.5	30.0
2-Butanone (MEK)	Ave	0.0421	0.0401	0.0100	0.0381	0.0400	-4.8	50.0
cis-1,2-Dichloroethene	Ave	0.2676	0.2702	0.1000	0.0202	0.0200	0.9	30.0
2,2-Dichloropropane	Ave	0.0570	0.0572		0.0201	0.0200	0.3	30.0
Chlorobromomethane	Ave	0.1296	0.1278		0.0197	0.0200	-1.4	30.0
Tetrahydrofuran	Ave	0.1026	0.0983		0.0383	0.0400	-4.2	30.0
Chloroform	Ave	0.4205	0.4258	0.2000	0.0203	0.0200	1.3	30.0
1,1,1-Trichloroethane	Ave	0.3616	0.3708	0.1000	0.0205	0.0200	2.5	30.0
Cyclohexane	Ave	0.3672	0.3831	0.1000	0.0209	0.0200	4.3	30.0
1,1-Dichloropropene	Ave	0.3568	0.3487		0.0195	0.0200	-2.3	30.0
Carbon tetrachloride	Ave	0.3272	0.3395	0.1000	0.0208	0.0200	3.8	30.0
Isobutyl alcohol	Ave	0.0110	0.0116		0.523	0.500	4.7	30.0
Benzene	Ave	0.9923	1.012	0.5000	0.0204	0.0200	2.0	30.0
1,2-Dichloroethane	Ave	0.3343	0.3362	0.1000	0.0201	0.0200	0.6	30.0
n-Heptane	Ave	0.0553	0.0550		0.0199	0.0200	-0.6	30.0
Trichloroethene	Ave	0.2793	0.2839	0.1500	0.0203	0.0200	1.7	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Lab Sample ID: ICV 240-531220/18 Calibration Date: 06/17/2022 19:01

Instrument ID: A3UX15 Calib Start Date: 06/17/2022 15:29

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 06/17/2022 18:14

Lab File ID: UXC2443.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	0.3575	0.3755	0.1000	0.0210	0.0200	5.0	30.0
1,2-Dichloropropane	Ave	0.2324	0.2291	0.1000	0.0197	0.0200	-1.4	30.0
1,4-Dioxane	Ave	0.0024	0.0027		0.458	0.400	14.6	50.0
Dibromomethane	Ave	0.1473	0.1428		0.0194	0.0200	-3.0	30.0
Dichlorobromomethane	Ave	0.3083	0.3044	0.1500	0.0197	0.0200	-1.3	30.0
2-Chloroethyl vinyl ether	Ave	0.1741	0.1644		0.0189	0.0200	-5.6	30.0
cis-1,3-Dichloropropene	Ave	0.3776	0.3704	0.1500	0.0196	0.0200	-1.9	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3120	0.3015	0.0500	0.0387	0.0400	-3.4	50.0
Toluene	Ave	1.486	1.419	0.4000	0.0191	0.0200	-4.5	30.0
trans-1,3-Dichloropropene	Ave	0.4889	0.4800	0.1000	0.0196	0.0200	-1.8	30.0
Ethyl methacrylate	Ave	0.4694	0.4580		0.0195	0.0200	-2.4	30.0
1,1,2-Trichloroethane	Ave	0.2863	0.2840	0.1000	0.0198	0.0200	-0.8	30.0
Tetrachloroethene	Ave	0.2892	0.2927	0.1500	0.0202	0.0200	1.2	30.0
1,3-Dichloropropane	Ave	0.5046	0.5007		0.0198	0.0200	-0.8	30.0
2-Hexanone	Ave	0.3226	0.3167	0.0500	0.0393	0.0400	-1.8	50.0
Chlorodibromomethane	Ave	0.3155	0.3179		0.0202	0.0200	0.8	30.0
Ethylene Dibromide	Ave	0.3099	0.2970		0.0192	0.0200	-4.2	30.0
Chlorobenzene	Ave	0.9126	0.9020	0.3000	0.0198	0.0200	-1.2	30.0
1,1,1,2-Tetrachloroethane	Ave	0.2978	0.3028		0.0203	0.0200	1.7	30.0
Ethylbenzene	Ave	0.5027	0.5021		0.0200	0.0200	-0.1	30.0
m-Xylene & p-Xylene	Ave	1.183	1.179		0.0199	0.0200	-0.3	30.0
o-Xylene	Ave	0.5690	0.5659		0.0199	0.0200	-0.5	30.0
Styrene	Ave	0.9710	0.9522	0.3000	0.0196	0.0200	-1.9	30.0
Bromoform	Ave	0.2255	0.2172	0.1000	0.0193	0.0200	-3.7	30.0
Isopropylbenzene	Ave	1.401	1.403	0.1000	0.0200	0.0200	0.2	30.0
1,1,2,2-Tetrachloroethane	Ave	0.7873	0.7416	0.3000	0.0188	0.0200	-5.8	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2855	0.2735		0.0192	0.0200	-4.2	30.0
Bromobenzene	Ave	0.7492	0.7275		0.0194	0.0200	-2.9	30.0
1,2,3-Trichloropropane	Ave	0.2777	0.2708		0.0195	0.0200	-2.5	30.0
N-Propylbenzene	Ave	0.8157	0.7944		0.0195	0.0200	-2.6	30.0
2-Chlorotoluene	Ave	0.6877	0.6736		0.0196	0.0200	-2.0	30.0
1,3,5-Trimethylbenzene	Ave	2.223	2.159		0.0194	0.0200	-2.9	30.0
4-Chlorotoluene	Ave	2.113	2.054		0.0194	0.0200	-2.8	30.0
tert-Butylbenzene	Ave	1.938	1.897		0.0196	0.0200	-2.1	30.0
1,2,4-Trimethylbenzene	Ave	2.207	2.172		0.0197	0.0200	-1.6	30.0
sec-Butylbenzene	Ave	2.539	2.488		0.0196	0.0200	-2.0	30.0
1,3-Dichlorobenzene	Ave	1.279	1.239	0.6000	0.0194	0.0200	-3.1	30.0
4-Isopropyltoluene	Ave	2.175	2.151		0.0198	0.0200	-1.1	30.0
1,4-Dichlorobenzene	Ave	1.309	1.266	0.5000	0.0193	0.0200	-3.3	30.0
n-Butylbenzene	Ave	1.730	1.691		0.0195	0.0200	-2.3	30.0
1,2-Dichlorobenzene	Ave	1.135	1.090	0.4000	0.0192	0.0200	-4.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
 SDG No.: _____
 Lab Sample ID: ICV 240-531220/18 Calibration Date: 06/17/2022 19:01
 Instrument ID: A3UX15 Calib Start Date: 06/17/2022 15:29
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 06/17/2022 18:14
 Lab File ID: UXC2443.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	0.1962	0.1724	0.0500	0.0176	0.0200	-12.2	50.0
1,2,4-Trichlorobenzene	Ave	0.5120	0.4797	0.2000	0.0187	0.0200	-6.3	50.0
Hexachlorobutadiene	Ave	0.2294	0.2343		0.0204	0.0200	2.2	50.0
Naphthalene	Ave	1.819	1.745		0.0192	0.0200	-4.1	50.0
1,2,3-Trichlorobenzene	Ave	0.4464	0.4195		0.0188	0.0200	-6.0	30.0
Dibromofluoromethane (Surr)	Ave	0.2320	0.2080		0.0179	0.0200	-10.4	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2911	0.2523		0.0173	0.0200	-13.3	30.0
Toluene-d8 (Surr)	Ave	1.337	1.191		0.0178	0.0200	-10.9	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4669	0.4446		0.0190	0.0200	-4.8	30.0

Eurofins Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2443.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 17-Jun-2022 19:01:30 ALS Bottle#: 18 Worklist Smp#: 18
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0119589-018
 Operator ID: 001904 Instrument ID: A3UX15
 Sublist:
 Method: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\8260_15.m
 Limit Group: MSV 8260C ICAL
 Last Update: 20-Jun-2022 10:43:50 Calib Date: 17-Jun-2022 22:33:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2452.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1625

First Level Reviewer: bosworthh

Date: 20-Jun-2022 09:23:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.932	5.932	0.000	99	1011430	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.446	8.446	0.000	90	740290	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.581	10.569	0.012	93	362318	20.0	20.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.398	5.399	-0.001	93	210360	20.0	17.9	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.671	5.671	0.000	100	255187	20.0	17.3	
\$ 6 Toluene-d8 (Surr)	98	7.201	7.201	0.000	93	881442	20.0	17.8	
\$ 7 4-Bromofluorobenzene (Surr)	95	9.501	9.502	-0.001	93	329156	20.0	19.0	
9 Dichlorodifluoromethane	85	2.042	2.043	-0.001	99	185987	20.0	18.1	
10 Chloromethane	50	2.268	2.268	0.000	99	240543	20.0	18.1	
11 Vinyl chloride	62	2.386	2.387	-0.001	98	266053	20.0	19.5	
12 Butadiene	54	2.422	2.422	0.000	99	239074	20.0	17.4	
13 Bromomethane	94	2.742	2.754	-0.012	92	189834	20.0	17.9	
14 Chloroethane	64	2.849	2.849	0.000	100	187305	20.0	18.9	
15 Dichlorofluoromethane	67	3.062	3.063	-0.001	97	422555	20.0	18.8	
16 Trichlorofluoromethane	101	3.074	3.074	0.000	98	381655	20.0	20.2	
17 Ethyl ether	59	3.335	3.335	0.000	91	209403	20.0	20.8	
18 Acrolein	56	3.466	3.466	0.000	99	128569	100.0	102.7	
19 1,1-Dichloroethene	96	3.560	3.561	-0.001	98	214479	20.0	21.2	
20 112TCTFE	151	3.572	3.572	0.000	92	157125	20.0	22.6	
21 Acetone	43	3.584	3.584	0.000	99	148977	40.0	38.9	
22 Iodomethane	142	3.703	3.703	0.000	99	365665	20.0	22.4	
24 Carbon disulfide	76	3.774	3.774	0.000	100	651877	20.0	22.0	
27 Methyl acetate	43	3.857	3.857	0.000	97	466919	40.0	37.7	
26 3-Chloro-1-propene	76	3.881	3.881	0.000	89	162673	20.0	20.0	
28 Methylene Chloride	84	3.987	3.988	-0.001	92	239685	20.0	20.2	
29 2-Methyl-2-propanol	59	4.047	4.047	0.000	99	278688	200.0	200.3	
30 Acrylonitrile	53	4.177	4.177	0.000	99	1061987	200.0	206.8	
31 Methyl tert-butyl ether	73	4.201	4.201	0.000	96	698116	20.0	20.4	
32 trans-1,2-Dichloroethene	96	4.213	4.213	0.000	99	259582	20.0	19.4	
34 Hexane	86	4.426	4.426	0.000	92	62463	20.0	20.3	
36 Vinyl acetate	43	4.545	4.545	0.000	97	324510	20.0	17.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 1,1-Dichloroethane	63	4.568	4.569	-0.001	96	435299	20.0	19.9	
40 2-Butanone (MEK)	72	4.995	4.995	0.000	99	81182	40.0	38.1	
41 cis-1,2-Dichloroethene	96	5.019	5.019	0.000	82	273243	20.0	20.2	
42 2,2-Dichloropropane	97	5.031	5.031	0.000	90	57876	20.0	20.1	
46 Chlorobromomethane	128	5.209	5.209	0.000	94	129261	20.0	19.7	
47 Tetrahydrofuran	42	5.221	5.221	0.000	87	198831	40.0	38.3	
48 Chloroform	83	5.280	5.268	0.012	94	430700	20.0	20.3	
49 1,1,1-Trichloroethane	97	5.434	5.434	0.000	98	375000	20.0	20.5	
50 Cyclohexane	56	5.493	5.494	-0.001	88	387456	20.0	20.9	
51 1,1-Dichloropropene	75	5.541	5.541	0.000	97	352703	20.0	19.5	
52 Carbon tetrachloride	117	5.553	5.553	0.000	92	343420	20.0	20.8	
53 Isobutyl alcohol	41	5.553	5.553	0.000	92	292064	500.0	523.3	
55 Benzene	78	5.707	5.707	0.000	97	1023779	20.0	20.4	
56 1,2-Dichloroethane	62	5.742	5.743	-0.001	97	340059	20.0	20.1	
58 n-Heptane	100	5.896	5.885	0.011	90	55631	20.0	19.9	
60 Trichloroethene	130	6.217	6.217	0.000	97	287134	20.0	20.3	
62 Methylcyclohexane	83	6.406	6.407	-0.001	90	379776	20.0	21.0	
63 1,2-Dichloropropane	63	6.418	6.419	0.000	93	231769	20.0	19.7	
66 1,4-Dioxane	88	6.466	6.466	0.000	91	54598	400.0	458.3	
65 Dibromomethane	93	6.501	6.502	-0.001	91	144433	20.0	19.4	
67 Dichlorobromomethane	83	6.620	6.620	0.000	99	307858	20.0	19.7	
69 2-Chloroethyl vinyl ether	63	6.810	6.810	0.000	94	166315	20.0	18.9	
70 cis-1,3-Dichloropropene	75	6.964	6.964	0.000	94	374623	20.0	19.6	
71 4-Methyl-2-pentanone (MIBK)	43	7.059	7.071	-0.012	96	609833	40.0	38.7	
72 Toluene	91	7.260	7.260	0.000	98	1050407	20.0	19.1	
73 trans-1,3-Dichloropropene	75	7.426	7.426	0.000	97	355368	20.0	19.6	
74 Ethyl methacrylate	69	7.438	7.438	0.000	89	339040	20.0	19.5	
75 1,1,2-Trichloroethane	97	7.604	7.604	0.000	91	210264	20.0	19.8	
76 Tetrachloroethene	164	7.699	7.699	0.000	97	216657	20.0	20.2	
77 1,3-Dichloropropane	76	7.746	7.747	-0.001	96	370678	20.0	19.8	
78 2-Hexanone	43	7.758	7.759	-0.001	96	468957	40.0	39.3	
80 Chlorodibromomethane	129	7.936	7.936	0.000	90	235322	20.0	20.2	
82 Ethylene Dibromide	107	8.055	8.055	0.000	98	219851	20.0	19.2	
84 Chlorobenzene	112	8.482	8.482	0.000	97	667705	20.0	19.8	
86 Ethylbenzene	106	8.541	8.541	0.000	98	371665	20.0	20.0	
85 1,1,1,2-Tetrachloroethane	131	8.541	8.541	0.000	44	224196	20.0	20.3	
87 m-Xylene & p-Xylene	91	8.648	8.648	0.000	93	873037	20.0	19.9	
88 o-Xylene	106	9.003	9.004	-0.001	96	418935	20.0	19.9	
89 Styrene	104	9.015	9.016	-0.001	93	704899	20.0	19.6	
90 Bromoform	173	9.205	9.205	0.000	98	160767	20.0	19.3	
91 Isopropylbenzene	105	9.324	9.324	0.000	96	1038805	20.0	20.0	
94 1,1,2,2-Tetrachloroethane	83	9.596	9.597	-0.001	95	268688	20.0	18.8	
97 trans-1,4-Dichloro-2-butene	53	9.632	9.632	0.000	72	99084	20.0	19.2	
95 Bromobenzene	156	9.644	9.644	0.000	95	263582	20.0	19.4	
96 1,2,3-Trichloropropane	110	9.668	9.668	0.000	80	98108	20.0	19.5	
98 N-Propylbenzene	120	9.703	9.703	0.000	98	287820	20.0	19.5	
99 2-Chlorotoluene	126	9.810	9.810	0.000	98	244064	20.0	19.6	
101 1,3,5-Trimethylbenzene	105	9.869	9.857	0.012	94	782125	20.0	19.4	
102 4-Chlorotoluene	91	9.917	9.917	0.000	97	744341	20.0	19.4	
104 tert-Butylbenzene	119	10.166	10.166	0.000	91	687363	20.0	19.6	
106 1,2,4-Trimethylbenzene	105	10.213	10.213	0.000	95	786974	20.0	19.7	
107 sec-Butylbenzene	105	10.367	10.367	0.000	95	901501	20.0	19.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 1,3-Dichlorobenzene	146	10.509	10.510	-0.001	74	448997	20.0	19.4	
109 4-Isopropyltoluene	119	10.509	10.510	-0.001	97	779443	20.0	19.8	
110 1,4-Dichlorobenzene	146	10.604	10.593	0.011	96	458750	20.0	19.3	
113 n-Butylbenzene	91	10.889	10.889	0.000	97	612531	20.0	19.5	
114 1,2-Dichlorobenzene	146	10.948	10.937	0.011	98	395009	20.0	19.2	
115 1,2-Dibromo-3-Chloropropane	157	11.683	11.684	-0.001	86	62446	20.0	17.6	
117 1,2,4-Trichlorobenzene	180	12.454	12.454	0.000	94	173819	20.0	18.7	
118 Hexachlorobutadiene	225	12.573	12.573	0.000	96	84893	20.0	20.4	
119 Naphthalene	128	12.715	12.715	0.000	97	632309	20.0	19.2	
120 1,2,3-Trichlorobenzene	180	12.929	12.929	0.000	96	151989	20.0	18.8	
S 130 Total BTEX	1				0		100.0	99.3	
S 131 Trihalomethanes, Total	1				0		80.0	79.4	
S 129 Xylenes, Total	106				0		40.0	39.8	

QC Flag Legend

Processing Flags

Reagents:

vmfaspw_00448	Amount Added: 16.00	Units: uL	
vmfasgw_00458	Amount Added: 16.00	Units: uL	
vmfasaw_00422	Amount Added: 16.00	Units: uL	
vm40ml_vials_00018	Amount Added: 0.00	Units:	Run Reagent
vm50ss_stk_00091	Amount Added: 2.00	Units: uL	Run Reagent
vm50is_stk_A_00011	Amount Added: 2.00	Units: uL	Run Reagent
vmDist_H2o_00213	Amount Added: 0.00	Units:	Run Reagent

Eurofins Canton

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2443.D

Injection Date: 17-Jun-2022 19:01:30

Instrument ID: A3UX15

Operator ID: 001904

Lims ID: ICV

Worklist Smp#: 18

Client ID:

Purge Vol: 5.000 mL

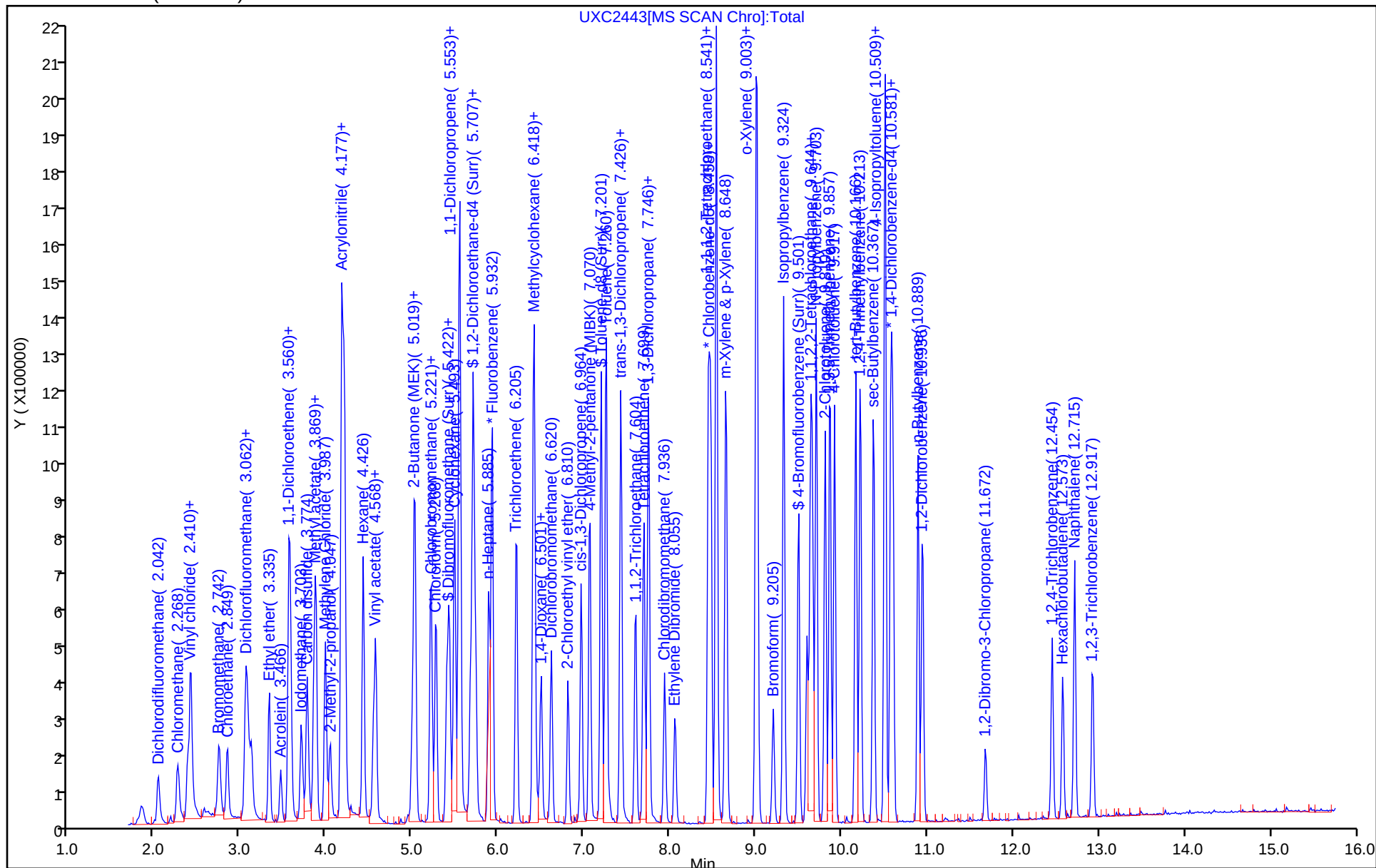
Dil. Factor: 1.0000

ALS Bottle#: 18

Method: 8260_15

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
 SDG No.: _____
 Lab Sample ID: ICV 240-531220/29 Calibration Date: 06/17/2022 23:21
 Instrument ID: A3UX15 Calib Start Date: 06/17/2022 15:29
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 06/17/2022 18:14
 Lab File ID: UXC2454.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	0.2320	0.2117		0.0182	0.0200	-8.8	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2911	0.2623		0.0180	0.0200	-9.9	30.0
Toluene-d8 (Surr)	Ave	1.337	1.214		0.0182	0.0200	-9.2	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4669	0.4428		0.0190	0.0200	-5.2	30.0

Eurofins Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2454.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 17-Jun-2022 23:21:30 ALS Bottle#: 29 Worklist Smp#: 29
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0119589-029
 Operator ID: 001904 Instrument ID: A3UX15
 Sublist:
 Method: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\8260_15.m
 Limit Group: MSV 8260C ICAL
 Last Update: 20-Jun-2022 14:39:24 Calib Date: 17-Jun-2022 22:33:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2452.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1644

First Level Reviewer: bosworthh

Date: 20-Jun-2022 15:01:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.932	5.932	0.000	99	929044	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.446	8.446	0.000	86	664484	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.581	10.569	0.012	94	293181	20.0	20.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.399	5.399	0.000	93	196690	20.0	18.2	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.671	5.671	0.000	100	243698	20.0	18.0	
\$ 6 Toluene-d8 (Surr)	98	7.201	7.201	0.000	93	807015	20.0	18.2	
\$ 7 4-Bromofluorobenzene (Surr)	95	9.502	9.502	0.000	91	294235	20.0	19.0	
25 Acetonitrile	41	3.833	3.833	0.000	100	231782	200.0	178.7	
37 Isopropyl ether	87	4.569	4.568	0.000	92	198315	20.0	19.1	
38 2-Chloro-1,3-butadiene	53	4.628	4.628	0.000	93	388999	20.0	19.8	
39 Tert-butyl ethyl ether	59	4.853	4.853	0.000	97	676192	20.0	19.6	
43 Ethyl acetate	43	5.007	5.007	0.000	99	563801	40.0	37.6	
44 Propionitrile	54	5.055	5.055	0.000	99	412915	200.0	199.0	
45 Methacrylonitrile	41	5.173	5.173	0.000	92	1803914	200.0	194.9	
54 Isooctane	57	5.778	5.778	0.000	85	563076	20.0	20.1	
57 Tert-amyl methyl ether	73	5.778	5.778	0.000	90	666498	20.0	19.3	
59 n-Butanol	56	6.063	6.063	0.000	87	265211	500.0	490.2	
61 Ethyl acrylate	55	6.229	6.229	0.000	99	342012	20.0	18.8	
64 Methyl methacrylate	41	6.418	6.418	0.000	90	490319	40.0	38.1	
68 2-Nitropropane	41	6.786	6.786	0.000	99	172381	40.0	38.1	
79 n-Butyl acetate	43	7.830	7.830	0.000	96	406284	20.0	19.0	
83 1-Chlorohexane	91	8.423	8.422	0.001	96	298761	20.0	18.8	
92 Cyclohexanone	55	9.430	9.430	0.000	92	88805	200.0	191.2	
105 Pentachloroethane	167	10.213	10.213	0.000	92	20043	40.0	32.9	
111 1,2,3-Trimethylbenzene	105	10.604	10.604	0.000	98	721131	20.0	20.4	
112 Benzyl chloride	126	10.699	10.699	0.000	99	75781	20.0	17.6	
116 1,3,5-Trichlorobenzene	180	11.850	11.850	0.000	97	183179	20.0	19.8	
121 2-Methylnaphthalene	142	13.889	13.889	0.000	92	567220	40.0	38.4	
122 1-Methylnaphthalene	142	14.103	14.103	0.000	93	524463	40.0	38.2	

QC Flag Legend

Processing Flags

Reagents:

VMFASA9W_00362	Amount Added: 16.00	Units: uL	
vm40ml_vials_00018	Amount Added: 0.00	Units:	Run Reagent
vm50ss_stk_00091	Amount Added: 2.00	Units: uL	Run Reagent
vm50is_stk_A_00011	Amount Added: 2.00	Units: uL	Run Reagent
vmDist_H2o_00213	Amount Added: 0.00	Units:	Run Reagent

Eurofins Canton

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2454.D

Injection Date: 17-Jun-2022 23:21:30

Instrument ID: A3UX15

Operator ID: 001904

Lims ID: ICV

Worklist Smp#: 29

Client ID:

Purge Vol: 5.000 mL

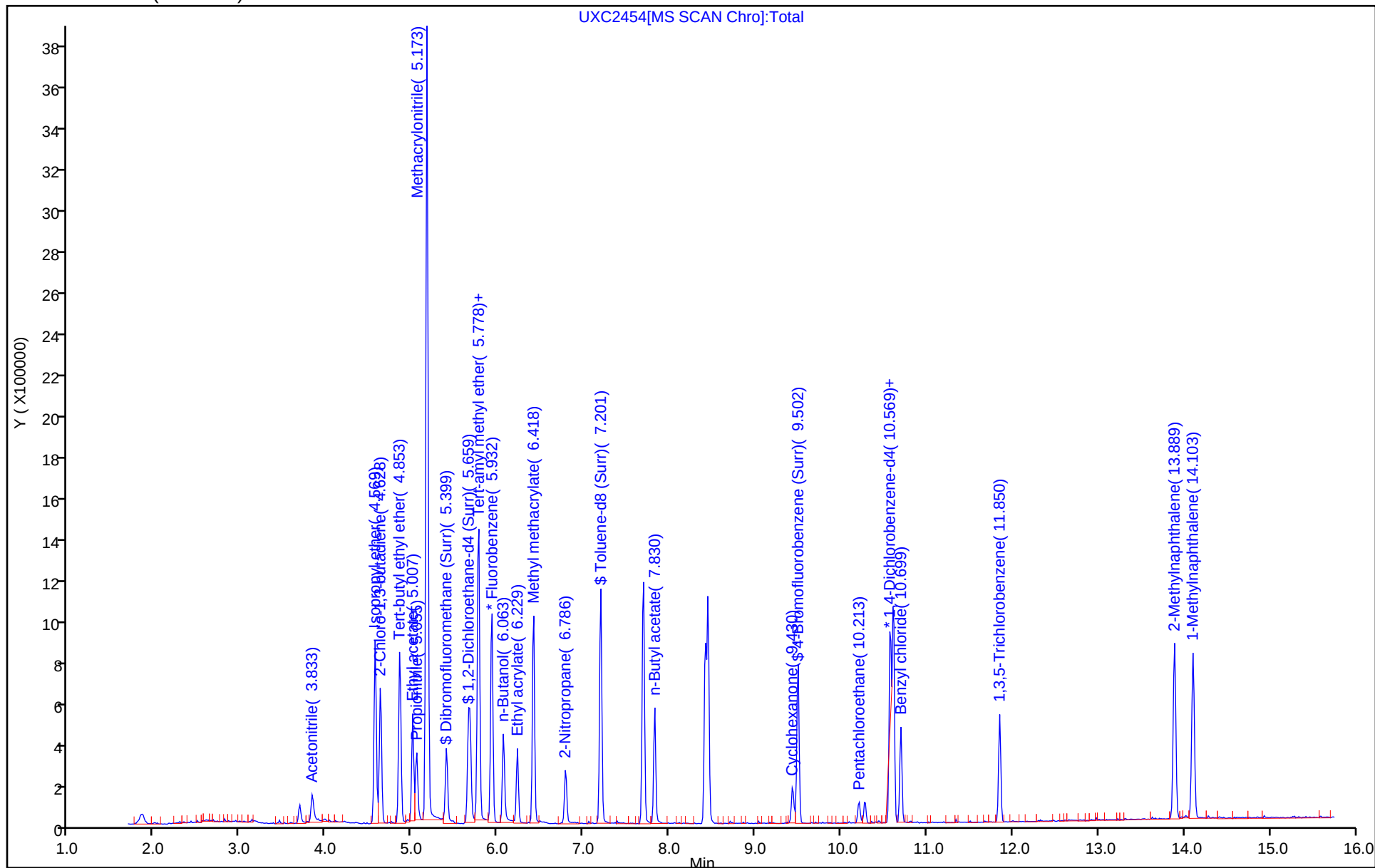
Dil. Factor: 1.0000

ALS Bottle#: 29

Method: 8260_15

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Lab Sample ID: ICV 240-531220/29 Calibration Date: 06/17/2022 23:21

Instrument ID: A3UX15 Calib Start Date: 06/17/2022 20:12

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 06/17/2022 22:33

Lab File ID: UXC2454.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	0.0279	0.0249		0.179	0.200	-10.6	30.0
Isopropyl ether	Ave	0.2239	0.2135		0.0191	0.0200	-4.7	30.0
2-Chloro-1,3-butadiene	Ave	0.4220	0.4187		0.0198	0.0200	-0.8	30.0
Tert-butyl ethyl ether	Ave	0.7434	0.7278		0.0196	0.0200	-2.1	30.0
Ethyl acetate	Ave	0.3229	0.3034		0.0376	0.0400	-6.0	30.0
Propionitrile	Ave	0.0447	0.0444		0.199	0.200	-0.5	30.0
Methacrylonitrile	Ave	0.1993	0.1942		0.195	0.200	-2.6	30.0
Tert-amyl methyl ether	Ave	0.7433	0.7174		0.0193	0.0200	-3.5	30.0
n-Butanol	Ave	0.0116	0.0114		0.490	0.500	-2.0	30.0
Ethyl acrylate	Ave	0.3922	0.3681		0.0188	0.0200	-6.1	30.0
Methyl methacrylate	Ave	0.2769	0.2639		0.0381	0.0400	-4.7	30.0
2-Nitropropane	Ave	0.0975	0.0928		0.0381	0.0400	-4.8	30.0
n-Butyl acetate	Ave	0.4603	0.4373		0.0190	0.0200	-5.0	30.0
1-Chlorohexane	Ave	0.4791	0.4496		0.0188	0.0200	-6.2	30.0
Cyclohexanone	Ave	0.0317	0.0303		0.191	0.200	-4.4	30.0
Pentachloroethane	Ave	0.0183	0.0151		0.0329	0.0400	-17.7	30.0
1,2,3-Trimethylbenzene	Ave	2.411	2.460		0.0204	0.0200	2.0	30.0
Benzyl chloride	Ave	0.2937	0.2585		0.0176	0.0200	-12.0	30.0
1,3,5-Trichlorobenzene	Ave	0.6311	0.6248		0.0198	0.0200	-1.0	30.0
2-Methylnaphthalene	Ave	1.009	0.9674		0.0384	0.0400	-4.1	30.0

Eurofins Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2454.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 17-Jun-2022 23:21:30 ALS Bottle#: 29 Worklist Smp#: 29
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0119589-029
 Operator ID: 001904 Instrument ID: A3UX15
 Sublist:
 Method: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\8260_15.m
 Limit Group: MSV 8260C ICAL
 Last Update: 20-Jun-2022 14:39:24 Calib Date: 17-Jun-2022 22:33:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2452.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1644

First Level Reviewer: bosworthh

Date: 20-Jun-2022 15:01:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.932	5.932	0.000	99	929044	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.446	8.446	0.000	86	664484	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.581	10.569	0.012	94	293181	20.0	20.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.399	5.399	0.000	93	196690	20.0	18.2	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.671	5.671	0.000	100	243698	20.0	18.0	
\$ 6 Toluene-d8 (Surr)	98	7.201	7.201	0.000	93	807015	20.0	18.2	
\$ 7 4-Bromofluorobenzene (Surr)	95	9.502	9.502	0.000	91	294235	20.0	19.0	
25 Acetonitrile	41	3.833	3.833	0.000	100	231782	200.0	178.7	
37 Isopropyl ether	87	4.569	4.568	0.000	92	198315	20.0	19.1	
38 2-Chloro-1,3-butadiene	53	4.628	4.628	0.000	93	388999	20.0	19.8	
39 Tert-butyl ethyl ether	59	4.853	4.853	0.000	97	676192	20.0	19.6	
43 Ethyl acetate	43	5.007	5.007	0.000	99	563801	40.0	37.6	
44 Propionitrile	54	5.055	5.055	0.000	99	412915	200.0	199.0	
45 Methacrylonitrile	41	5.173	5.173	0.000	92	1803914	200.0	194.9	
54 Isooctane	57	5.778	5.778	0.000	85	563076	20.0	20.1	
57 Tert-amyl methyl ether	73	5.778	5.778	0.000	90	666498	20.0	19.3	
59 n-Butanol	56	6.063	6.063	0.000	87	265211	500.0	490.2	
61 Ethyl acrylate	55	6.229	6.229	0.000	99	342012	20.0	18.8	
64 Methyl methacrylate	41	6.418	6.418	0.000	90	490319	40.0	38.1	
68 2-Nitropropane	41	6.786	6.786	0.000	99	172381	40.0	38.1	
79 n-Butyl acetate	43	7.830	7.830	0.000	96	406284	20.0	19.0	
83 1-Chlorohexane	91	8.423	8.422	0.001	96	298761	20.0	18.8	
92 Cyclohexanone	55	9.430	9.430	0.000	92	88805	200.0	191.2	
105 Pentachloroethane	167	10.213	10.213	0.000	92	20043	40.0	32.9	
111 1,2,3-Trimethylbenzene	105	10.604	10.604	0.000	98	721131	20.0	20.4	
112 Benzyl chloride	126	10.699	10.699	0.000	99	75781	20.0	17.6	
116 1,3,5-Trichlorobenzene	180	11.850	11.850	0.000	97	183179	20.0	19.8	
121 2-Methylnaphthalene	142	13.889	13.889	0.000	92	567220	40.0	38.4	
122 1-Methylnaphthalene	142	14.103	14.103	0.000	93	524463	40.0	38.2	

QC Flag Legend

Processing Flags

Reagents:

VMFASA9W_00362	Amount Added: 16.00	Units: uL	
vm40ml_vials_00018	Amount Added: 0.00	Units:	Run Reagent
vm50ss_stk_00091	Amount Added: 2.00	Units: uL	Run Reagent
vm50is_stk_A_00011	Amount Added: 2.00	Units: uL	Run Reagent
vmDist_H2o_00213	Amount Added: 0.00	Units:	Run Reagent

Eurofins Canton

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2454.D

Injection Date: 17-Jun-2022 23:21:30

Instrument ID: A3UX15

Operator ID: 001904

Lims ID: ICV

Worklist Smp#: 29

Client ID:

Purge Vol: 5.000 mL

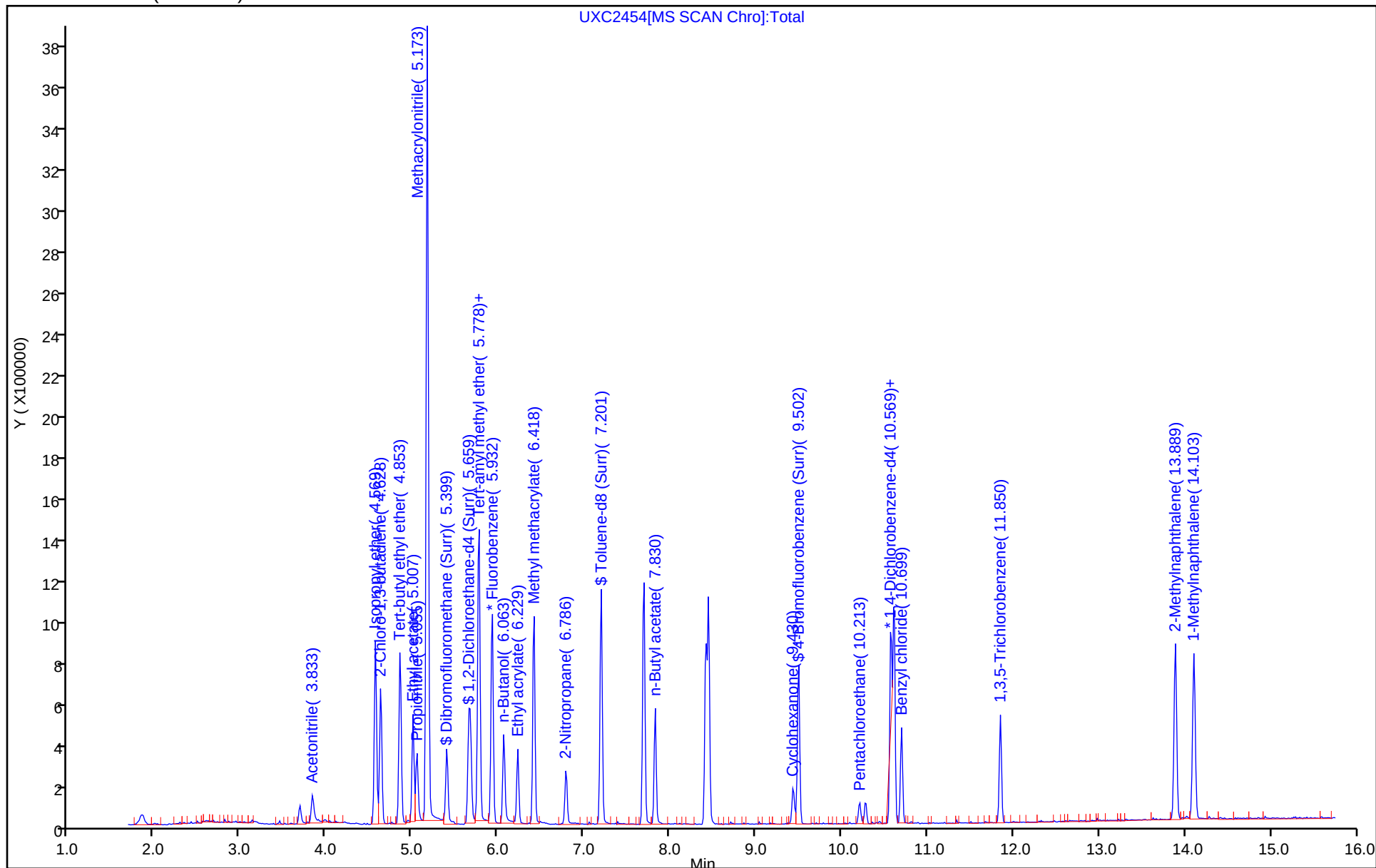
Dil. Factor: 1.0000

ALS Bottle#: 29

Method: 8260_15

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Lab Sample ID: CCVIS 240-591728/4 Calibration Date: 10/21/2023 10:19

Instrument ID: A3UX15 Calib Start Date: 06/17/2022 15:29

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 06/17/2022 18:14

Lab File ID: UXC3426.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	0.2036	0.2101	0.1000	0.0206	0.0200	3.2	20.0
Chloromethane	Ave	0.2633	0.2657	0.1000	0.0202	0.0200	0.9	20.0
Vinyl chloride	Ave	0.2696	0.2654	0.1000	0.0197	0.0200	-1.6	20.0
Butadiene	Ave	0.2717	0.2911		0.0214	0.0200	7.1	20.0
Bromomethane	Ave	0.2097	0.2604	0.0500	0.0248	0.0200	24.2*	20.0
Chloroethane	Ave	0.1956	0.2374	0.0500	0.0243	0.0200	21.4*	20.0
Dichlorofluoromethane	Ave	0.4434	0.5486		0.0247	0.0200	23.7*	20.0
Trichlorofluoromethane	Ave	0.3739	0.4167	0.1000	0.0223	0.0200	11.5	20.0
Ethyl ether	Ave	0.1994	0.2019		0.0203	0.0200	1.3	20.0
Acrolein	Ave	0.0248	0.0066		0.0266	0.100	-73.4*	20.0
1,1-Dichloroethene	Ave	0.2005	0.1718	0.1000	0.0171	0.0200	-14.3	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1374	0.1272	0.0500	0.0185	0.0200	-7.4	20.0
Acetone	Lin1		0.0663	0.0100	0.0348	0.0400	-13.1	50.0
Iodomethane	Ave	0.3230	0.2985		0.0185	0.0200	-7.6	20.0
Carbon disulfide	Ave	0.5853	0.4865	0.1000	0.0166	0.0200	-16.9	20.0
Methyl acetate	Ave	0.2451	0.2048	0.0500	0.0334	0.0400	-16.4	50.0
3-Chloro-1-propene	Ave	0.1612	0.1476		0.0183	0.0200	-8.4	20.0
Methylene Chloride	Lin1		0.2223	0.1000	0.0189	0.0200	-5.4	50.0
2-Methyl-2-propanol	Ave	0.0275	0.0242		0.176	0.200	-12.0	20.0
Acrylonitrile	Ave	0.1016	0.0965		0.190	0.200	-5.0	20.0
Methyl tert-butyl ether	Ave	0.6769	0.6272	0.1000	0.0185	0.0200	-7.3	20.0
trans-1,2-Dichloroethene	Ave	0.2646	0.2485	0.1000	0.0188	0.0200	-6.1	20.0
Hexane	Ave	0.0609	0.0431		0.0142	0.0200	-29.2*	20.0
Vinyl acetate	Ave	0.3729	0.3453		0.0185	0.0200	-7.4	20.0
1,1-Dichloroethane	Ave	0.4324	0.4309	0.2000	0.0199	0.0200	-0.3	20.0
2-Butanone (MEK)	Ave	0.0421	0.0413	0.0100	0.0392	0.0400	-1.9	50.0
cis-1,2-Dichloroethene	Ave	0.2676	0.2828	0.1000	0.0211	0.0200	5.7	20.0
2,2-Dichloropropane	Ave	0.0570	0.0667		0.0234	0.0200	17.0	20.0
Chlorobromomethane	Ave	0.1296	0.1222		0.0189	0.0200	-5.7	20.0
Tetrahydrofuran	Ave	0.1026	0.0805		0.0314	0.0400	-21.5*	20.0
Chloroform	Ave	0.4205	0.4264	0.2000	0.0203	0.0200	1.4	20.0
1,1,1-Trichloroethane	Ave	0.3616	0.3267	0.1000	0.0181	0.0200	-9.7	20.0
Cyclohexane	Ave	0.3672	0.3204	0.1000	0.0175	0.0200	-12.7	20.0
1,1-Dichloropropene	Ave	0.3568	0.3426		0.0192	0.0200	-4.0	20.0
Carbon tetrachloride	Ave	0.3272	0.3005	0.1000	0.0184	0.0200	-8.2	20.0
Isobutyl alcohol	Ave	0.0110	0.0120		0.544	0.500	8.7	20.0
Benzene	Ave	0.9923	0.9819	0.5000	0.0198	0.0200	-1.1	20.0
1,2-Dichloroethane	Ave	0.3343	0.3194	0.1000	0.0191	0.0200	-4.5	20.0
n-Heptane	Ave	0.0553	0.0346		0.0125	0.0200	-37.5*	20.0
Trichloroethene	Ave	0.2793	0.2499	0.1500	0.0179	0.0200	-10.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Lab Sample ID: CCVIS 240-591728/4 Calibration Date: 10/21/2023 10:19

Instrument ID: A3UX15 Calib Start Date: 06/17/2022 15:29

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 06/17/2022 18:14

Lab File ID: UXC3426.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	0.3575	0.2733	0.1000	0.0153	0.0200	-23.5*	20.0
1,2-Dichloropropane	Ave	0.2324	0.2248	0.1000	0.0193	0.0200	-3.3	20.0
1,4-Dioxane	Ave	0.0024	0.0030		0.518	0.400	29.4	50.0
Dibromomethane	Ave	0.1473	0.1500		0.0204	0.0200	1.8	20.0
Dichlorobromomethane	Ave	0.3083	0.2935	0.1500	0.0190	0.0200	-4.8	20.0
2-Chloroethyl vinyl ether	Ave	0.1741	0.1503		0.0345	0.0400	-13.6	20.0
cis-1,3-Dichloropropene	Ave	0.3776	0.3489	0.1500	0.0185	0.0200	-7.6	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3120	0.2738	0.0500	0.0351	0.0400	-12.3	50.0
Toluene	Ave	1.486	1.538	0.4000	0.0207	0.0200	3.5	20.0
trans-1,3-Dichloropropene	Ave	0.4889	0.4638	0.1000	0.0190	0.0200	-5.1	20.0
Ethyl methacrylate	Ave	0.4694	0.4181		0.0178	0.0200	-10.9	20.0
1,1,2-Trichloroethane	Ave	0.2863	0.3064	0.1000	0.0214	0.0200	7.0	20.0
Tetrachloroethene	Ave	0.2892	0.2601	0.1500	0.0180	0.0200	-10.1	20.0
1,3-Dichloropropane	Ave	0.5046	0.5325		0.0211	0.0200	5.5	20.0
2-Hexanone	Ave	0.3226	0.3050	0.0500	0.0378	0.0400	-5.5	50.0
Chlorodibromomethane	Ave	0.3155	0.3024		0.0192	0.0200	-4.2	20.0
Ethylene Dibromide	Ave	0.3099	0.3108		0.0201	0.0200	0.3	20.0
Chlorobenzene	Ave	0.9126	0.8924	0.3000	0.0196	0.0200	-2.2	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2978	0.3038		0.0204	0.0200	2.0	20.0
Ethylbenzene	Ave	0.5027	0.4716		0.0188	0.0200	-6.2	20.0
m-Xylene & p-Xylene	Ave	1.183	1.090		0.0184	0.0200	-7.9	20.0
o-Xylene	Ave	0.5690	0.5432		0.0191	0.0200	-4.5	20.0
Styrene	Ave	0.9710	0.8813	0.3000	0.0182	0.0200	-9.2	20.0
Bromoform	Ave	0.2255	0.2104	0.1000	0.0187	0.0200	-6.7	20.0
Isopropylbenzene	Ave	1.401	1.202	0.1000	0.0172	0.0200	-14.2	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7873	1.075	0.3000	0.0273	0.0200	36.5*	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2855	0.2981		0.0209	0.0200	4.4	20.0
Bromobenzene	Ave	0.7492	0.8466		0.0226	0.0200	13.0	20.0
1,2,3-Trichloropropane	Ave	0.2777	0.3567		0.0257	0.0200	28.5*	20.0
N-Propylbenzene	Ave	0.8157	0.8062		0.0198	0.0200	-1.2	20.0
2-Chlorotoluene	Ave	0.6877	0.7195		0.0209	0.0200	4.6	20.0
1,3,5-Trimethylbenzene	Ave	2.223	2.195		0.0198	0.0200	-1.2	20.0
4-Chlorotoluene	Ave	2.113	2.064		0.0195	0.0200	-2.3	20.0
tert-Butylbenzene	Ave	1.938	1.765		0.0182	0.0200	-8.9	20.0
1,2,4-Trimethylbenzene	Ave	2.207	2.239		0.0203	0.0200	1.4	20.0
sec-Butylbenzene	Ave	2.539	2.434		0.0192	0.0200	-4.1	20.0
1,3-Dichlorobenzene	Ave	1.279	1.290	0.6000	0.0202	0.0200	0.9	20.0
4-Isopropyltoluene	Ave	2.175	2.037		0.0187	0.0200	-6.3	20.0
1,4-Dichlorobenzene	Ave	1.309	1.317	0.5000	0.0201	0.0200	0.6	20.0
n-Butylbenzene	Ave	1.730	1.651		0.0191	0.0200	-4.5	20.0
1,2-Dichlorobenzene	Ave	1.135	1.223	0.4000	0.0215	0.0200	7.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
 SDG No.: _____
 Lab Sample ID: CCVIS 240-591728/4 Calibration Date: 10/21/2023 10:19
 Instrument ID: A3UX15 Calib Start Date: 06/17/2022 15:29
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 06/17/2022 18:14
 Lab File ID: UXC3426.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	0.1962	0.2037	0.0500	0.0208	0.0200	3.8	50.0
1,2,4-Trichlorobenzene	Ave	0.5120	0.5099	0.2000	0.0199	0.0200	-0.4	50.0
Hexachlorobutadiene	Ave	0.2294	0.2196		0.0192	0.0200	-4.2	50.0
Naphthalene	Ave	1.819	1.832		0.0201	0.0200	0.7	50.0
1,2,3-Trichlorobenzene	Ave	0.4464	0.5029		0.0225	0.0200	12.7	20.0
Dibromofluoromethane (Surr)	Ave	0.2320	0.2253		0.0194	0.0200	-2.9	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2911	0.2666		0.0183	0.0200	-8.4	20.0
Toluene-d8 (Surr)	Ave	1.337	1.315		0.0197	0.0200	-1.6	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4669	0.3455		0.0148	0.0200	-26.0*	20.0

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\UXC3426.D
 Lims ID: CCVIS L4 8260
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 21-Oct-2023 10:19:30 ALS Bottle#: 4 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134925-004
 Operator ID: 001904 Instrument ID: A3UX15
 Sublist: chrom-8260_15*sub79
 Method: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\8260_15.m
 Limit Group: MSV 8260C ICAL
 Last Update: 22-Oct-2023 17:42:27 Calib Date: 17-Jun-2022 22:33:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2452.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1653

First Level Reviewer: LQ5J

Date: 22-Oct-2023 17:42:27

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.909	5.909	0.000	99	784174	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.434	8.434	0.000	86	526139	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.557	10.557	0.000	94	212273	20.0	20.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.387	5.387	0.000	93	176673	20.0	19.4	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.659	5.659	0.000	100	209043	20.0	18.3	
\$ 6 Toluene-d8 (Surr)	98	7.177	7.177	0.000	94	691999	20.0	19.7	
\$ 7 4-Bromofluorobenzene (Surr)	95	9.478	9.478	0.000	96	181756	20.0	14.8	
9 Dichlorodifluoromethane	85	2.031	2.031	0.000	99	164782	20.0	20.6	
10 Chloromethane	50	2.256	2.256	0.000	99	208390	20.0	20.2	
11 Vinyl chloride	62	2.387	2.387	0.000	98	208107	20.0	19.7	
12 Butadiene	54	2.422	2.422	0.000	96	228241	20.0	21.4	
13 Bromomethane	94	2.754	2.754	0.000	90	204203	20.0	24.8	
14 Chloroethane	64	2.837	2.837	0.000	99	186169	20.0	24.3	
15 Dichlorofluoromethane	67	3.051	3.051	0.000	98	430171	20.0	24.7	
16 Trichlorofluoromethane	101	3.062	3.062	0.000	96	326801	20.0	22.3	
17 Ethyl ether	59	3.323	3.323	0.000	88	158330	20.0	20.3	
18 Acrolein	56	3.454	3.454	0.000	95	25813	100.0	26.6	
19 1,1-Dichloroethene	96	3.549	3.549	0.000	98	134697	20.0	17.1	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.572	3.572	0.000	93	99780	20.0	18.5	
21 Acetone	43	3.572	3.572	0.000	100	103969	40.0	34.8	
22 Iodomethane	142	3.691	3.691	0.000	98	234038	20.0	18.5	
24 Carbon disulfide	76	3.762	3.762	0.000	99	381530	20.0	16.6	
27 Methyl acetate	43	3.833	3.833	0.000	97	321218	40.0	33.4	
26 3-Chloro-1-propene	76	3.857	3.857	0.000	86	115777	20.0	18.3	
28 Methylene Chloride	84	3.976	3.976	0.000	90	174291	20.0	18.9	
29 2-Methyl-2-propanol	59	4.023	4.023	0.000	97	189765	200.0	175.9	
30 Acrylonitrile	53	4.153	4.153	0.000	98	756494	200.0	190.0	
31 Methyl tert-butyl ether	73	4.189	4.189	0.000	95	491857	20.0	18.5	
32 trans-1,2-Dichloroethene	96	4.201	4.201	0.000	97	194877	20.0	18.8	
34 Hexane	86	4.414	4.414	0.000	91	33787	20.0	14.2	
36 Vinyl acetate	43	4.533	4.533	0.000	98	270766	20.0	18.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 1,1-Dichloroethane	63	4.557	4.557	0.000	97	337936	20.0	19.9	
40 2-Butanone (MEK)	72	4.984	4.972	0.012	100	64842	40.0	39.2	
41 cis-1,2-Dichloroethene	96	5.007	5.007	0.000	80	221765	20.0	21.1	
42 2,2-Dichloropropane	97	5.019	5.019	0.000	88	52317	20.0	23.4	
46 Chlorobromomethane	128	5.197	5.197	0.000	96	95797	20.0	18.9	
47 Tetrahydrofuran	42	5.209	5.209	0.000	84	126258	40.0	31.4	
48 Chloroform	83	5.256	5.256	0.000	95	334351	20.0	20.3	
49 1,1,1-Trichloroethane	97	5.410	5.410	0.000	98	256199	20.0	18.1	
50 Cyclohexane	56	5.482	5.482	0.000	82	251256	20.0	17.5	
51 1,1-Dichloropropene	75	5.529	5.529	0.000	96	268697	20.0	19.2	
52 Carbon tetrachloride	117	5.541	5.541	0.000	93	235614	20.0	18.4	
53 Isobutyl alcohol	41	5.541	5.541	0.000	93	235286	500.0	543.7	
55 Benzene	78	5.695	5.695	0.000	96	769965	20.0	19.8	
56 1,2-Dichloroethane	62	5.719	5.719	0.000	97	250429	20.0	19.1	
58 n-Heptane	100	5.873	5.873	0.000	83	27111	20.0	12.5	
60 Trichloroethene	130	6.193	6.193	0.000	98	195993	20.0	17.9	
62 Methylcyclohexane	83	6.395	6.395	0.000	86	214311	20.0	15.3	
63 1,2-Dichloropropane	63	6.407	6.407	0.000	89	176261	20.0	19.3	
66 1,4-Dioxane	88	6.442	6.442	0.000	88	47804	400.0	517.6	
65 Dibromomethane	93	6.478	6.478	0.000	95	117607	20.0	20.4	
67 Dichlorobromomethane	83	6.596	6.596	0.000	98	230145	20.0	19.0	
69 2-Chloroethyl vinyl ether	63	6.798	6.798	0.000	91	235791	40.0	34.5	
70 cis-1,3-Dichloropropene	75	6.952	6.952	0.000	94	273609	20.0	18.5	
71 4-Methyl-2-pentanone (MIBK)	43	7.047	7.047	0.000	96	429343	40.0	35.1	
72 Toluene	91	7.237	7.237	0.000	98	809270	20.0	20.7	
73 trans-1,3-Dichloropropene	75	7.403	7.403	0.000	96	244038	20.0	19.0	
74 Ethyl methacrylate	69	7.415	7.415	0.000	88	219973	20.0	17.8	
75 1,1,2-Trichloroethane	97	7.581	7.581	0.000	91	161231	20.0	21.4	
76 Tetrachloroethene	164	7.687	7.687	0.000	96	136824	20.0	18.0	
77 1,3-Dichloropropane	76	7.735	7.735	0.000	93	280149	20.0	21.1	
78 2-Hexanone	43	7.735	7.735	0.000	95	320979	40.0	37.8	
80 Chlorodibromomethane	129	7.924	7.924	0.000	90	159101	20.0	19.2	
82 Ethylene Dibromide	107	8.043	8.043	0.000	97	163537	20.0	20.1	
84 Chlorobenzene	112	8.458	8.458	0.000	96	469516	20.0	19.6	
86 Ethylbenzene	106	8.529	8.529	0.000	98	248143	20.0	18.8	
85 1,1,1,2-Tetrachloroethane	131	8.529	8.529	0.000	44	159841	20.0	20.4	
87 m-Xylene & p-Xylene	91	8.636	8.636	0.000	94	573517	20.0	18.4	
88 o-Xylene	106	8.992	8.992	0.000	96	285780	20.0	19.1	
89 Styrene	104	9.004	9.004	0.000	95	463682	20.0	18.2	
90 Bromoform	173	9.193	9.193	0.000	95	110695	20.0	18.7	
91 Isopropylbenzene	105	9.312	9.312	0.000	95	632385	20.0	17.2	
94 1,1,2,2-Tetrachloroethane	83	9.585	9.585	0.000	93	228136	20.0	27.3	
97 trans-1,4-Dichloro-2-butene	53	9.608	9.608	0.000	82	63274	20.0	20.9	
95 Bromobenzene	156	9.632	9.632	0.000	95	179700	20.0	22.6	
96 1,2,3-Trichloropropane	110	9.644	9.644	0.000	82	75725	20.0	25.7	
98 N-Propylbenzene	120	9.691	9.691	0.000	98	171126	20.0	19.8	
99 2-Chlorotoluene	126	9.798	9.798	0.000	98	152733	20.0	20.9	
101 1,3,5-Trimethylbenzene	105	9.846	9.846	0.000	94	465998	20.0	19.8	
102 4-Chlorotoluene	91	9.905	9.905	0.000	97	438043	20.0	19.5	
104 tert-Butylbenzene	119	10.154	10.154	0.000	93	374614	20.0	18.2	
106 1,2,4-Trimethylbenzene	105	10.201	10.201	0.000	97	475241	20.0	20.3	
107 sec-Butylbenzene	105	10.355	10.355	0.000	94	516687	20.0	19.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 1,3-Dichlorobenzene	146	10.486	10.486	0.000	77	273926	20.0	20.2	
109 4-Isopropyltoluene	119	10.486	10.486	0.000	96	432414	20.0	18.7	
110 1,4-Dichlorobenzene	146	10.581	10.581	0.000	95	279652	20.0	20.1	
113 n-Butylbenzene	91	10.877	10.877	0.000	97	350519	20.0	19.1	
114 1,2-Dichlorobenzene	146	10.925	10.925	0.000	97	259648	20.0	21.5	
115 1,2-Dibromo-3-Chloropropane	157	11.660	11.660	0.000	83	43241	20.0	20.8	
117 1,2,4-Trichlorobenzene	180	12.443	12.443	0.000	93	108234	20.0	19.9	
118 Hexachlorobutadiene	225	12.561	12.561	0.000	96	46623	20.0	19.2	
119 Naphthalene	128	12.703	12.703	0.000	96	388836	20.0	20.1	
120 1,2,3-Trichlorobenzene	180	12.905	12.905	0.000	94	106753	20.0	22.5	
S 130 Total BTEX	1				0		100.0	96.8	
S 131 Trihalomethanes, Total	1				0		80.0	77.2	
S 129 Xylenes, Total	106				0		40.0	37.5	

QC Flag Legend

Processing Flags

Reagents:

vmrgas_00498	Amount Added: 16.00	Units: uL	
VMAROLISTDW_00506	Amount Added: 16.00	Units: uL	
VMRPRIMW_00553	Amount Added: 16.00	Units: uL	
vm40ml_vials_00026	Amount Added: 0.00	Units:	Run Reagent
vm50is_stk_A_00021	Amount Added: 2.00	Units: uL	Run Reagent
vmDist_H2o_00242	Amount Added: 0.00	Units:	Run Reagent
vm50ss_stk_00094	Amount Added: 2.00	Units: uL	Run Reagent

Report Date: 22-Oct-2023 17:42:27

Chrom Revision: 2.3 22-Sep-2023 11:33:50

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\UXC3426.D

Injection Date: 21-Oct-2023 10:19:30

Instrument ID: A3UX15

Operator ID: 001904

Lims ID: CCVIS L4 8260

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

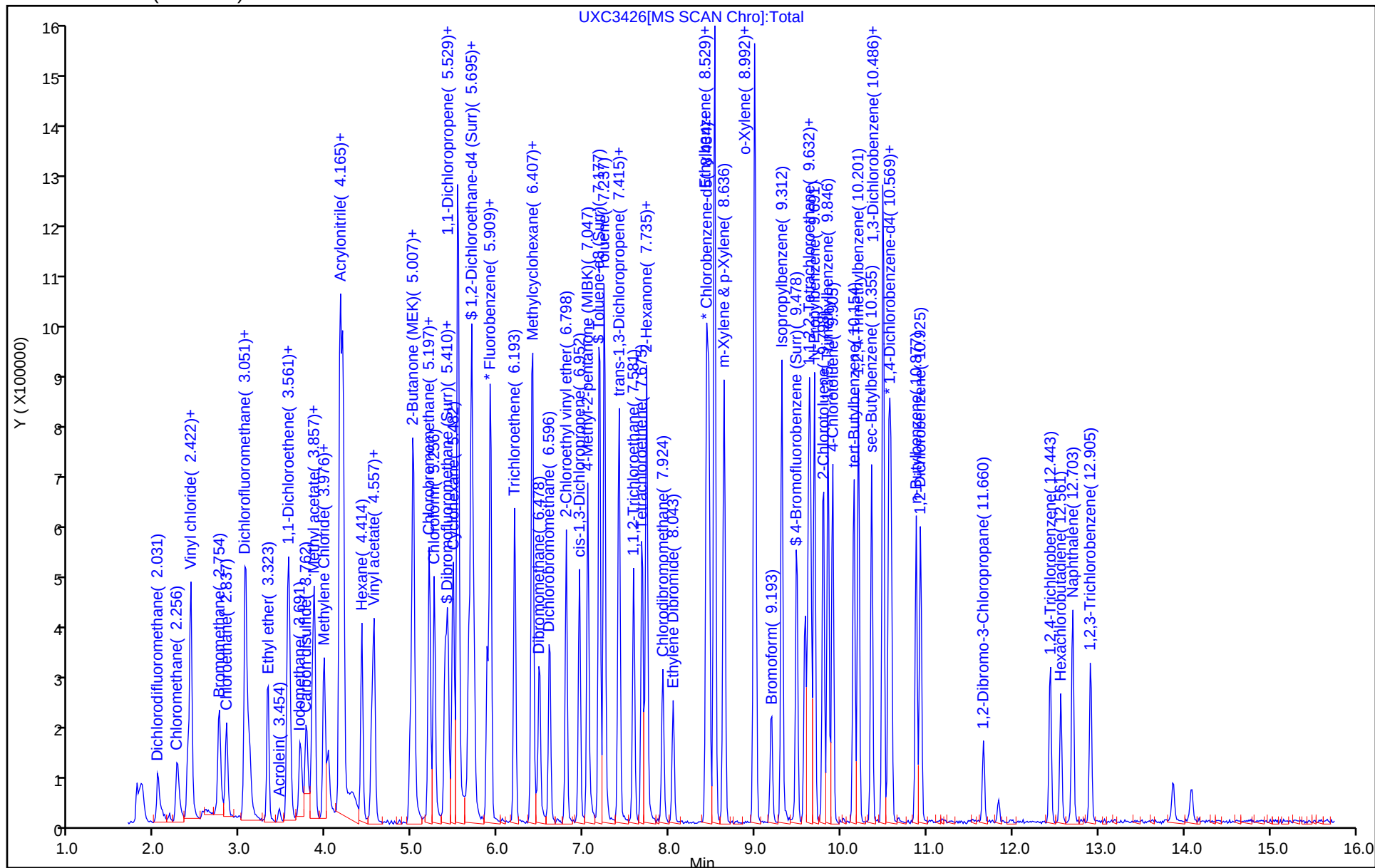
Dil. Factor: 1.0000

ALS Bottle#: 4

Method: 8260_15

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Lab Sample ID: ICV 240-586277/13 Calibration Date: 09/06/2023 17:09

Instrument ID: A3UX22 Calib Start Date: 09/06/2023 13:11

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 09/06/2023 16:22

Lab File ID: 224024.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	0.2818	0.2555	0.1000	0.0113	0.0125	-9.3	30.0
Chloromethane	Ave	0.3068	0.3000	0.1000	0.0122	0.0125	-2.2	30.0
Vinyl chloride	Ave	0.2814	0.2775	0.1000	0.0123	0.0125	-1.4	30.0
Butadiene	Ave	0.2718	0.2761		0.0127	0.0125	1.6	30.0
Bromomethane	Ave	0.1225	0.1656	0.0500	0.0169	0.0125	35.2*	30.0
Chloroethane	Ave	0.1497	0.1495	0.0500	0.0125	0.0125	-0.1	30.0
Trichlorofluoromethane	Ave	0.3376	0.3497	0.1000	0.0130	0.0125	3.6	30.0
Dichlorofluoromethane	Ave	0.3895	0.4474		0.0144	0.0125	14.8	30.0
Ethyl ether	Ave	0.1855	0.1849		0.0249	0.0250	-0.3	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2110	0.2099	0.0500	0.0249	0.0250	-0.5	30.0
1,1-Dichloroethene	Ave	0.1885	0.1982	0.1000	0.0263	0.0250	5.1	30.0
Acrolein	Ave	0.0322	0.0661		0.257	0.125	105.4*	30.0
Acetone	Ave	0.1389	0.1235	0.0100	0.0445	0.0500	-11.1	50.0
Iodomethane	Ave	0.2491	0.2139		0.0215	0.0250	-14.1	30.0
Carbon disulfide	Ave	0.5472	0.5560	0.1000	0.0254	0.0250	1.6	30.0
3-Chloro-1-propene	Ave	0.3252	0.3297		0.0254	0.0250	1.4	30.0
Methyl acetate	Ave	0.3369	0.2909	0.0500	0.0432	0.0500	-13.7	50.0
Methylene Chloride	Lin1		0.2318	0.1000	0.0248	0.0250	-0.8	50.0
2-Methyl-2-propanol	Ave	0.0575	0.0576		0.251	0.250	0.2	30.0
Methyl tert-butyl ether	Ave	0.6621	0.6640	0.1000	0.0251	0.0250	0.3	30.0
trans-1,2-Dichloroethene	Ave	0.2200	0.2203	0.1000	0.0250	0.0250	0.1	30.0
Acrylonitrile	Ave	0.1446	0.1421		0.246	0.250	-1.8	30.0
Hexane	Ave	0.3163	0.3226		0.0255	0.0250	2.0	30.0
1,1-Dichloroethane	Ave	0.4062	0.4077	0.2000	0.0251	0.0250	0.4	30.0
Vinyl acetate	Ave	0.3642	0.4260		0.0292	0.0250	17.0	30.0
2,2-Dichloropropane	Ave	0.0592	0.0623		0.0263	0.0250	5.1	30.0
cis-1,2-Dichloroethene	Ave	0.2402	0.2438	0.1000	0.0254	0.0250	1.5	30.0
2-Butanone (MEK)	Ave	0.0526	0.0521	0.0100	0.0495	0.0500	-1.0	50.0
Chlorobromomethane	Ave	0.1899	0.1840		0.0242	0.0250	-3.1	30.0
Tetrahydrofuran	Ave	0.1469	0.1354		0.0461	0.0500	-7.9	30.0
Chloroform	Ave	0.3974	0.3962	0.2000	0.0249	0.0250	-0.3	30.0
Cyclohexane	Ave	0.3397	0.3480	0.1000	0.0256	0.0250	2.4	30.0
1,1,1-Trichloroethane	Ave	0.3291	0.3343	0.1000	0.0254	0.0250	1.6	30.0
Carbon tetrachloride	Ave	0.2783	0.2787	0.1000	0.0250	0.0250	0.2	30.0
1,1-Dichloropropene	Ave	0.3174	0.3155		0.0248	0.0250	-0.6	30.0
Benzene	Ave	0.9078	0.9154	0.5000	0.0252	0.0250	0.8	30.0
Isobutyl alcohol	Ave	0.0172	0.0179		0.649	0.625	3.9	30.0
1,2-Dichloroethane	Ave	0.3154	0.3067	0.1000	0.0243	0.0250	-2.8	30.0
n-Heptane	Ave	0.0573	0.0644		0.0281	0.0250	12.3	30.0
Trichloroethene	Ave	0.2515	0.2525	0.1500	0.0251	0.0250	0.4	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Lab Sample ID: ICV 240-586277/13 Calibration Date: 09/06/2023 17:09

Instrument ID: A3UX22 Calib Start Date: 09/06/2023 13:11

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 09/06/2023 16:22

Lab File ID: 224024.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	0.3711	0.3905	0.1000	0.0263	0.0250	5.2	30.0
1,2-Dichloropropane	Ave	0.2333	0.2402	0.1000	0.0257	0.0250	2.9	30.0
Dibromomethane	Ave	0.1621	0.1662		0.0256	0.0250	2.5	30.0
1,4-Dioxane	Ave	0.0062	0.0061		0.492	0.500	-1.6	50.0
Dichlorobromomethane	Ave	0.2800	0.2807	0.1500	0.0251	0.0250	0.2	30.0
2-Chloroethyl vinyl ether	Ave	0.1858	0.1861		0.0250	0.0250	0.2	30.0
cis-1,3-Dichloropropene	Ave	0.3278	0.3194	0.1500	0.0244	0.0250	-2.5	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3728	0.3784	0.0500	0.0507	0.0500	1.5	50.0
Toluene	Ave	1.306	1.290	0.4000	0.0247	0.0250	-1.2	30.0
trans-1,3-Dichloropropene	Ave	0.3891	0.4080	0.1000	0.0262	0.0250	4.9	30.0
Ethyl methacrylate	Ave	0.4382	0.4507		0.0257	0.0250	2.8	30.0
1,1,2-Trichloroethane	Ave	0.2917	0.2870	0.1000	0.0246	0.0250	-1.6	30.0
Tetrachloroethene	Ave	0.3374	0.3481	0.1500	0.0258	0.0250	3.2	30.0
1,3-Dichloropropane	Ave	0.5124	0.5181		0.0253	0.0250	1.1	30.0
2-Hexanone	Ave	0.3786	0.3922	0.0500	0.0518	0.0500	3.6	50.0
Chlorodibromomethane	Ave	0.2878	0.2925		0.0254	0.0250	1.6	30.0
Ethylene Dibromide	Ave	0.3100	0.3140		0.0253	0.0250	1.3	30.0
Chlorobenzene	Ave	0.8316	0.8502	0.3000	0.0256	0.0250	2.2	30.0
Ethylbenzene	Ave	0.4440	0.4551		0.0256	0.0250	2.5	30.0
1,1,1,2-Tetrachloroethane	Ave	0.2724	0.2801		0.0257	0.0250	2.8	30.0
m-Xylene & p-Xylene	Ave	0.5445	0.5582		0.0256	0.0250	2.5	30.0
o-Xylene	Ave	0.5285	0.5408		0.0256	0.0250	2.3	30.0
Styrene	Ave	0.8720	0.8999	0.3000	0.0258	0.0250	3.2	30.0
Bromoform	Ave	0.2033	0.2091	0.1000	0.0257	0.0250	2.9	30.0
Isopropylbenzene	Ave	1.356	1.445	0.1000	0.0266	0.0250	6.6	30.0
Bromobenzene	Ave	0.6454	0.6612		0.0256	0.0250	2.4	30.0
1,1,2,2-Tetrachloroethane	Ave	0.8691	0.8848	0.3000	0.0255	0.0250	1.8	30.0
N-Propylbenzene	Ave	0.6954	0.7494		0.0269	0.0250	7.8	30.0
1,2,3-Trichloropropane	Ave	0.2933	0.3076		0.0262	0.0250	4.9	30.0
trans-1,4-Dichloro-2-butene	Ave	0.2179	0.2376		0.0273	0.0250	9.0	30.0
2-Chlorotoluene	Ave	0.6070	0.6445		0.0265	0.0250	6.2	30.0
1,3,5-Trimethylbenzene	Ave	2.125	2.256		0.0265	0.0250	6.2	30.0
4-Chlorotoluene	Ave	0.6172	0.6548		0.0265	0.0250	6.1	30.0
tert-Butylbenzene	Ave	1.825	1.955		0.0268	0.0250	7.1	30.0
1,2,4-Trimethylbenzene	Ave	2.139	2.281		0.0267	0.0250	6.6	30.0
sec-Butylbenzene	Ave	2.622	2.856		0.0272	0.0250	8.9	30.0
4-Isopropyltoluene	Ave	2.240	2.427		0.0271	0.0250	8.3	30.0
1,3-Dichlorobenzene	Ave	1.211	1.254	0.6000	0.0259	0.0250	3.6	30.0
1,4-Dichlorobenzene	Ave	1.220	1.275	0.5000	0.0261	0.0250	4.5	30.0
n-Butylbenzene	Ave	1.982	2.145		0.0271	0.0250	8.3	30.0
1,2-Dichlorobenzene	Ave	1.163	1.207	0.4000	0.0260	0.0250	3.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
 SDG No.: _____
 Lab Sample ID: ICV 240-586277/13 Calibration Date: 09/06/2023 17:09
 Instrument ID: A3UX22 Calib Start Date: 09/06/2023 13:11
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 09/06/2023 16:22
 Lab File ID: 224024.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	0.2333	0.2319	0.0500	0.0249	0.0250	-0.6	50.0
1,2,4-Trichlorobenzene	Ave	0.7853	0.8285	0.2000	0.0264	0.0250	5.5	50.0
Hexachlorobutadiene	Ave	0.3344	0.3680		0.0275	0.0250	10.1	50.0
Naphthalene	Ave	2.471	2.633		0.0266	0.0250	6.6	50.0
1,2,3-Trichlorobenzene	Ave	0.7337	0.7852		0.0268	0.0250	7.0	30.0
Dibromofluoromethane (Surr)	Ave	0.2606	0.2579		0.0247	0.0250	-1.0	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2790	0.2713		0.0243	0.0250	-2.8	30.0
Toluene-d8 (Surr)	Ave	1.328	1.307		0.0246	0.0250	-1.5	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4806	0.4767		0.0248	0.0250	-0.8	30.0

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224024.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 06-Sep-2023 17:09:43 ALS Bottle#: 0 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0133168-013
 Operator ID: 002808 Instrument ID: A3UX22
 Sublist:
 Method: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 07-Sep-2023 15:32:50 Calib Date: 06-Sep-2023 22:20:06
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224037.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 07-Sep-2023 11:08:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.251	7.263	-0.012	99	1087977	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.393	10.394	-0.001	86	813014	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	94	431615	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	94	280599	25.0	24.7	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	295131	25.0	24.3	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	94	1062753	25.0	24.6	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.425	11.425	0.000	93	387604	25.0	24.8	
9 Dichlorodifluoromethane	85	1.239	1.239	0.000	99	138972	12.5	11.3	
10 Chloromethane	50	1.428	1.440	-0.012	99	163204	12.5	12.2	
12 Vinyl chloride	62	1.523	1.535	-0.012	98	150958	12.5	12.3	
11 Butadiene	54	1.559	1.559	0.000	92	150216	12.5	12.7	
13 Bromomethane	94	1.855	1.867	-0.012	91	90109	12.5	16.9	
15 Chloroethane	64	1.962	1.962	0.000	100	81311	12.5	12.5	
17 Trichlorofluoromethane	101	2.199	2.211	-0.012	98	190257	12.5	13.0	
16 Dichlorofluoromethane	67	2.223	2.235	-0.012	97	243362	12.5	14.4	
18 Ethyl ether	59	2.602	2.603	-0.001	92	201180	25.0	24.9	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	2.828	2.828	0.000	93	228369	25.0	24.9	
19 Acrolein	56	2.851	2.852	-0.001	99	359527	125.0	256.8	
20 1,1-Dichloroethene	96	2.851	2.863	-0.012	98	215682	25.0	26.3	
22 Acetone	43	3.065	3.077	-0.012	100	268680	50.0	44.5	
24 Iodomethane	142	3.077	3.077	0.000	94	232680	25.0	21.5	
25 Carbon disulfide	76	3.100	3.101	-0.001	99	604872	25.0	25.4	
27 3-Chloro-1-propene	41	3.409	3.421	-0.012	92	358756	25.0	25.4	
28 Methyl acetate	43	3.504	3.504	0.000	98	632903	50.0	43.2	
29 Methylene Chloride	84	3.658	3.658	0.000	94	252200	25.0	24.8	
30 2-Methyl-2-propanol	59	3.954	3.954	0.000	98	627099	250.0	250.6	
33 Methyl tert-butyl ether	73	4.013	4.014	-0.001	92	722463	25.0	25.1	
32 trans-1,2-Dichloroethene	96	4.013	4.014	-0.001	69	239688	25.0	25.0	
31 Acrylonitrile	53	4.215	4.227	-0.012	98	1545767	250.0	245.6	
34 Hexane	57	4.369	4.369	0.000	93	350961	25.0	25.5	
35 1,1-Dichloroethane	63	4.855	4.856	-0.001	96	443604	25.0	25.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 Vinyl acetate	43	4.986	4.998	-0.012	97	463455	25.0	29.2	
42 2,2-Dichloropropane	97	5.733	5.733	0.000	91	67734	25.0	26.3	
41 cis-1,2-Dichloroethene	96	5.792	5.804	-0.012	80	265228	25.0	25.4	
40 2-Butanone (MEK)	72	5.887	5.887	0.000	100	113372	50.0	49.5	
46 Chlorobromomethane	49	6.136	6.136	0.000	98	200200	25.0	24.2	
47 Tetrahydrofuran	42	6.136	6.148	-0.012	90	294541	50.0	46.1	
48 Chloroform	83	6.267	6.267	0.000	93	431099	25.0	24.9	
50 Cyclohexane	84	6.350	6.350	0.000	91	378618	25.0	25.6	
49 1,1,1-Trichloroethane	97	6.397	6.397	0.000	99	363731	25.0	25.4	
52 Carbon tetrachloride	117	6.551	6.563	-0.012	97	303241	25.0	25.0	
51 1,1-Dichloropropene	75	6.622	6.623	-0.001	97	343207	25.0	24.8	
54 Benzene	78	6.871	6.872	-0.001	96	995932	25.0	25.2	
53 Isobutyl alcohol	41	6.966	6.967	-0.001	94	485673	625.0	649.5	
55 1,2-Dichloroethane	62	7.014	7.014	0.000	97	333684	25.0	24.3	
57 n-Heptane	100	7.144	7.144	0.000	93	70037	25.0	28.1	
59 Trichloroethene	130	7.666	7.666	0.000	98	274744	25.0	25.1	
61 Methylcyclohexane	83	7.773	7.773	0.000	92	424850	25.0	26.3	
62 1,2-Dichloropropane	63	7.974	7.975	0.000	96	261322	25.0	25.7	
64 Dibromomethane	174	8.105	8.105	0.000	96	180815	25.0	25.6	
65 1,4-Dioxane	88	8.128	8.129	-0.001	94	132293	500.0	492.0	
66 Dichlorobromomethane	83	8.283	8.283	0.000	99	305416	25.0	25.1	
68 2-Chloroethyl vinyl ether	63	8.650	8.650	0.000	92	202440	25.0	25.0	
69 cis-1,3-Dichloropropene	75	8.781	8.781	0.000	96	347520	25.0	24.4	
70 4-Methyl-2-pentanone (MIBK)	43	8.947	8.947	0.000	97	823371	50.0	50.7	
71 Toluene	91	9.053	9.054	-0.001	98	1049088	25.0	24.7	
72 trans-1,3-Dichloropropene	75	9.374	9.386	-0.012	92	331680	25.0	26.2	
73 Ethyl methacrylate	69	9.421	9.421	0.000	91	366414	25.0	25.7	
74 1,1,2-Trichloroethane	97	9.551	9.552	-0.001	93	233326	25.0	24.6	
75 Tetrachloroethene	166	9.575	9.575	0.000	98	283029	25.0	25.8	
76 1,3-Dichloropropane	76	9.706	9.706	0.000	90	421196	25.0	25.3	
77 2-Hexanone	43	9.777	9.777	0.000	97	637724	50.0	51.8	
79 Chlorodibromomethane	129	9.884	9.884	0.000	90	237822	25.0	25.4	
81 Ethylene Dibromide	107	9.990	10.002	-0.012	98	255279	25.0	25.3	
83 Chlorobenzene	112	10.417	10.417	0.000	97	691202	25.0	25.6	
85 Ethylbenzene	106	10.500	10.500	0.000	98	370037	25.0	25.6	
84 1,1,1,2-Tetrachloroethane	131	10.512	10.512	0.000	94	227714	25.0	25.7	
86 m-Xylene & p-Xylene	106	10.607	10.607	0.000	99	453851	25.0	25.6	
87 o-Xylene	106	10.951	10.951	0.000	98	439686	25.0	25.6	
88 Styrene	104	10.974	10.975	-0.001	95	731665	25.0	25.8	
89 Bromoform	173	11.164	11.164	0.000	97	170012	25.0	25.7	
90 Isopropylbenzene	105	11.259	11.259	0.000	96	1175025	25.0	26.6	
95 Bromobenzene	156	11.556	11.556	0.000	93	285373	25.0	25.6	
93 1,1,2,2-Tetrachloroethane	83	11.579	11.580	-0.001	95	381890	25.0	25.5	
98 N-Propylbenzene	120	11.603	11.603	0.000	99	323441	25.0	26.9	
96 1,2,3-Trichloropropane	110	11.627	11.627	0.000	87	132754	25.0	26.2	
97 trans-1,4-Dichloro-2-butene	53	11.639	11.639	0.000	77	102545	25.0	27.3	
100 2-Chlorotoluene	126	11.698	11.698	0.000	96	278183	25.0	26.5	
101 1,3,5-Trimethylbenzene	105	11.757	11.757	0.000	94	973718	25.0	26.5	
102 4-Chlorotoluene	126	11.805	11.805	0.000	97	282620	25.0	26.5	
103 tert-Butylbenzene	119	12.018	12.018	0.000	93	843894	25.0	26.8	
105 1,2,4-Trimethylbenzene	105	12.065	12.066	-0.001	97	984328	25.0	26.7	
106 sec-Butylbenzene	105	12.196	12.196	0.000	94	1232697	25.0	27.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 4-Isopropyltoluene	119	12.315	12.315	0.000	97	1047347	25.0	27.1	
107 1,3-Dichlorobenzene	146	12.326	12.327	-0.001	98	541426	25.0	25.9	
109 1,4-Dichlorobenzene	146	12.409	12.410	-0.001	96	550461	25.0	26.1	
112 n-Butylbenzene	91	12.647	12.647	0.000	98	926019	25.0	27.1	
113 1,2-Dichlorobenzene	146	12.706	12.706	0.000	97	521045	25.0	26.0	
114 1,2-Dibromo-3-Chloropropane	157	13.358	13.358	0.000	89	100097	25.0	24.9	
116 1,2,4-Trichlorobenzene	180	13.975	13.975	0.000	94	357591	25.0	26.4	
117 Hexachlorobutadiene	225	14.058	14.058	0.000	98	158839	25.0	27.5	
118 Naphthalene	128	14.176	14.177	-0.001	97	1136647	25.0	26.6	
119 1,2,3-Trichlorobenzene	180	14.366	14.366	0.000	95	338895	25.0	26.8	
S 125 Trihalomethanes, Total	1				0		100.0	101.1	
S 124 Total BTEX	1				0		125.0	126.7	
S 128 Xylenes, Total	106				0		50.0	51.2	

QC Flag Legend

Processing Flags

Reagents:

VMFASPW_00507	Amount Added: 20.00	Units: uL	
VMFASAW_00480	Amount Added: 20.00	Units: uL	
VMFASGW_00524	Amount Added: 10.00	Units: uL	
vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm25UX18IS_00007	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00026	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00241	Amount Added: 0.00	Units:	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224024.D

Injection Date: 06-Sep-2023 17:09:43

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: ICV

Worklist Smp#: 13

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

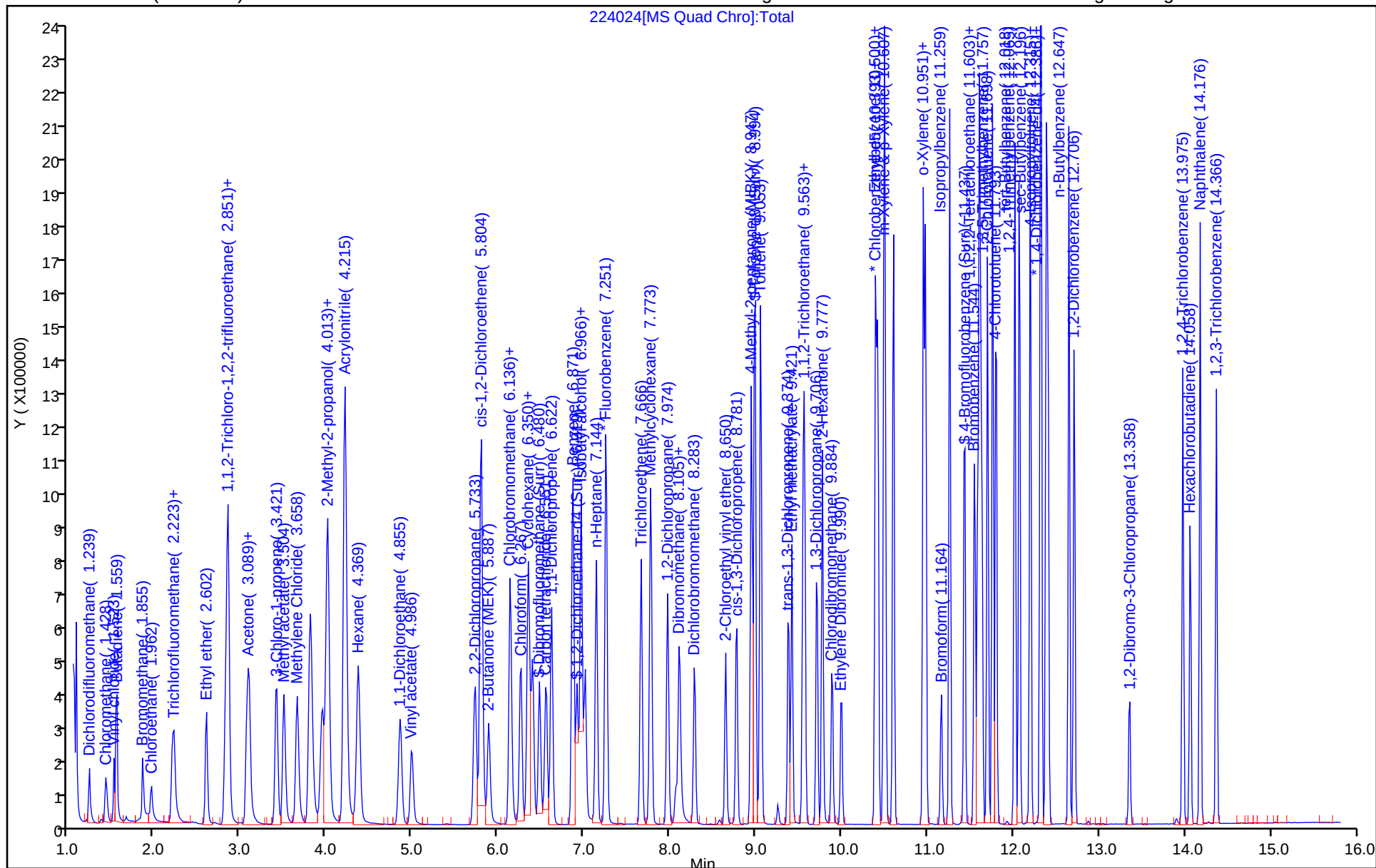
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Lab Sample ID: ICV 240-586277/28 Calibration Date: 09/06/2023 23:07
Instrument ID: A3UX22 Calib Start Date: 09/06/2023 13:11
GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 09/06/2023 16:22
Lab File ID: 224039.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	0.2606	0.2253		0.0216	0.0250	-13.6	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2790	0.2520		0.0226	0.0250	-9.7	30.0
Toluene-d8 (Surr)	Ave	1.328	1.193		0.0225	0.0250	-10.2	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4806	0.4328		0.0225	0.0250	-9.9	30.0

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224039.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 06-Sep-2023 23:07:35 ALS Bottle#: 0 Worklist Smp#: 28
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0133168-028
 Operator ID: 002808 Instrument ID: A3UX22
 Sublist:
 Method: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 07-Sep-2023 15:32:50 Calib Date: 06-Sep-2023 22:20:06
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224037.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 07-Sep-2023 11:43:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.251	7.263	-0.012	99	1087165	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.394	0.000	87	802267	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	93	428403	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	244928	25.0	21.6	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	274012	25.0	22.6	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	93	956708	25.0	22.5	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.425	11.425	0.000	95	347184	25.0	22.5	
26 Acetonitrile	41	3.575	3.575	0.000	99	679315	250.0	255.0	
37 Isopropyl ether	87	4.915	4.903	0.012	94	205742	25.0	26.1	
38 2-Chloro-1,3-butadiene	53	4.939	4.939	0.000	91	356820	25.0	25.3	
39 Tert-butyl ethyl ether	59	5.496	5.496	0.000	97	718928	25.0	26.5	
44 Ethyl acetate	43	5.947	5.947	0.000	99	787201	50.0	51.4	
43 Propionitrile	54	6.077	6.077	0.000	99	732012	250.0	257.7	
45 Methacrylonitrile	41	6.220	6.219	0.001	93	2450533	250.0	257.4	
56 Tert-amyl methyl ether	73	7.026	7.026	0.000	97	955772	25.0	26.6	
58 n-Butanol	56	7.737	7.737	0.000	90	393656	625.0	580.9	
60 Ethyl acrylate	55	7.868	7.868	0.000	99	455197	25.0	27.0	
63 Methyl methacrylate	41	8.117	8.117	0.000	93	612963	50.0	51.6	
67 2-Nitropropane	41	8.627	8.627	0.000	97	122468	50.0	45.3	
78 n-Butyl acetate	43	9.872	9.872	0.000	99	506270	25.0	26.7	
82 1-Chlorohexane	91	10.394	10.394	0.000	97	308167	25.0	23.4	
91 Cyclohexanone	55	11.402	11.402	0.000	93	219073	250.0	258.8	
104 Pentachloroethane	167	12.066	12.066	0.000	83	29676	50.0	19.6	
110 1,2,3-Trimethylbenzene	105	12.422	12.421	0.001	98	935036	25.0	24.7	
111 Benzyl chloride	91	12.528	12.528	0.000	98	294485	25.0	25.7	
115 1,3,5-Trichlorobenzene	180	13.465	13.477	-0.012	98	364748	25.0	25.2	
120 2-Methylnaphthalene	142	15.054	15.054	0.000	92	1093026	50.0	46.9	

QC Flag Legend

Processing Flags

Reagents:

VMFASA9W_00421	Amount Added: 20.00	Units: uL	
vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm25UX18IS_00007	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00026	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00241	Amount Added: 0.00	Units:	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224039.D

Injection Date: 06-Sep-2023 23:07:35

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: ICV

Worklist Smp#: 28

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

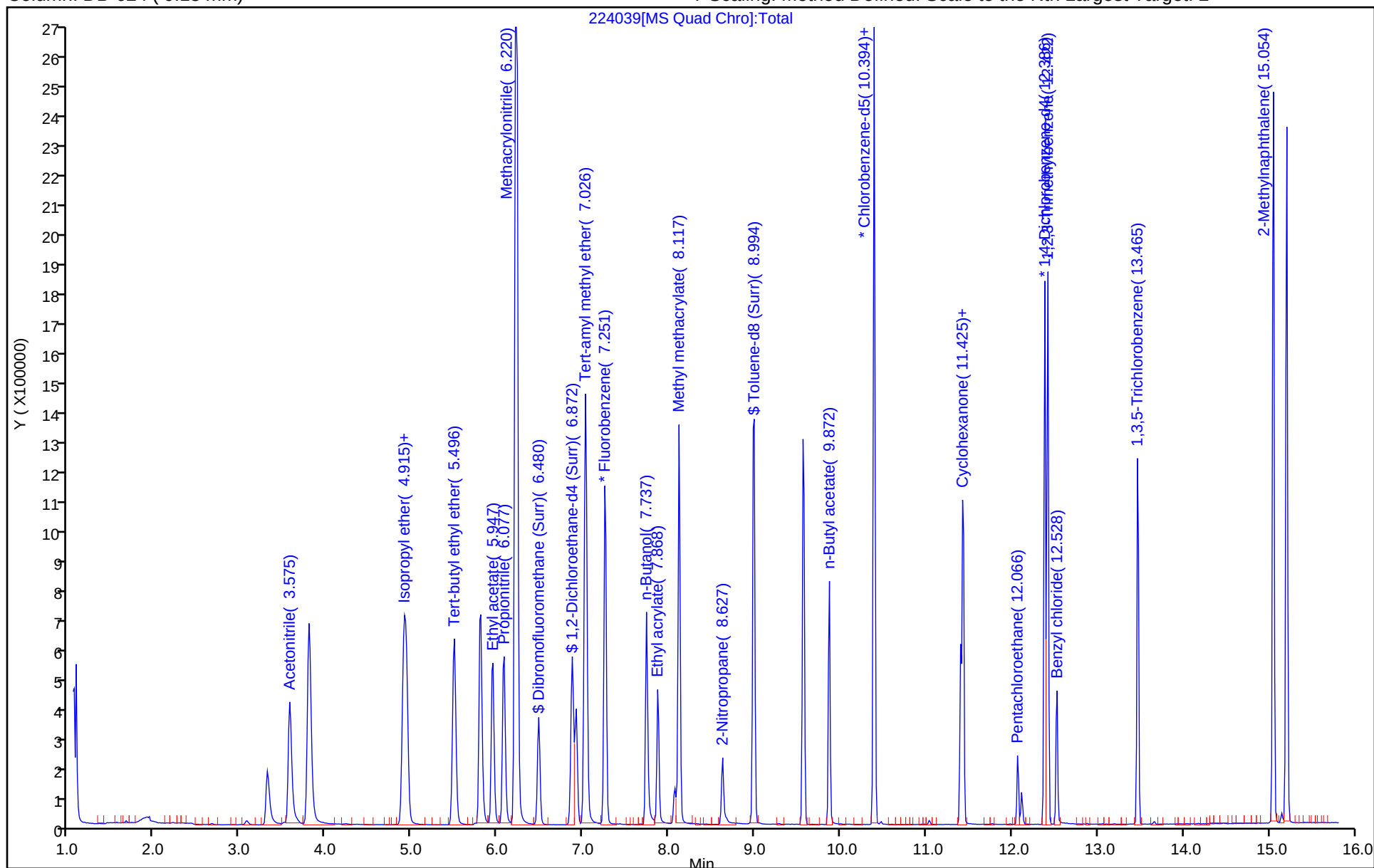
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
 SDG No.: _____
 Lab Sample ID: ICV 240-586277/28 Calibration Date: 09/06/2023 23:07
 Instrument ID: A3UX22 Calib Start Date: 09/06/2023 19:09
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 09/06/2023 22:20
 Lab File ID: 224039.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	0.0613	0.0625		0.255	0.250	2.0	30.0
Isopropyl ether	Ave	0.1813	0.1892		0.0261	0.0250	4.4	30.0
2-Chloro-1,3-butadiene	Ave	0.3243	0.3282		0.0253	0.0250	1.2	30.0
Tert-butyl ethyl ether	Ave	0.6247	0.6613		0.0265	0.0250	5.8	30.0
Ethyl acetate	Ave	0.3519	0.3620		0.0514	0.0500	2.9	30.0
Propionitrile	Ave	0.0653	0.0673		0.258	0.250	3.1	30.0
Methacrylonitrile	Ave	0.2190	0.2254		0.257	0.250	2.9	30.0
Tert-amyl methyl ether	Ave	0.8277	0.8791		0.0266	0.0250	6.2	30.0
n-Butanol	Lin1		0.0145		0.581	0.625	-7.1	30.0
Ethyl acrylate	Ave	0.3878	0.4187		0.0270	0.0250	8.0	30.0
Methyl methacrylate	Ave	0.2734	0.2819		0.0516	0.0500	3.1	30.0
2-Nitropropane	Ave	0.0622	0.0563		0.0453	0.0500	-9.4	30.0
n-Butyl acetate	Ave	0.5905	0.6310		0.0267	0.0250	6.9	30.0
1-Chlorohexane	Lin1		0.3841		0.0234	0.0250	-6.5	30.0
Cyclohexanone	Ave	0.0264	0.0273		0.259	0.250	3.5	30.0
Pentachloroethane	Ave	0.0884	0.0346		0.0196	0.0500	-60.8*	30.0
1,2,3-Trimethylbenzene	Ave	2.212	2.183		0.0247	0.0250	-1.3	30.0
Benzyl chloride	Ave	0.6677	0.6874		0.0257	0.0250	3.0	30.0
1,3,5-Trichlorobenzene	Ave	0.8453	0.8514		0.0252	0.0250	0.7	30.0
2-Methylnaphthalene	Lin1		1.276		0.0469	0.0500	-6.2	30.0

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224039.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 06-Sep-2023 23:07:35 ALS Bottle#: 0 Worklist Smp#: 28
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0133168-028
 Operator ID: 002808 Instrument ID: A3UX22
 Sublist:
 Method: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 07-Sep-2023 15:32:50 Calib Date: 06-Sep-2023 22:20:06
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224037.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 07-Sep-2023 11:43:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.251	7.263	-0.012	99	1087165	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.394	0.000	87	802267	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	93	428403	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	244928	25.0	21.6	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	274012	25.0	22.6	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	93	956708	25.0	22.5	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.425	11.425	0.000	95	347184	25.0	22.5	
26 Acetonitrile	41	3.575	3.575	0.000	99	679315	250.0	255.0	
37 Isopropyl ether	87	4.915	4.903	0.012	94	205742	25.0	26.1	
38 2-Chloro-1,3-butadiene	53	4.939	4.939	0.000	91	356820	25.0	25.3	
39 Tert-butyl ethyl ether	59	5.496	5.496	0.000	97	718928	25.0	26.5	
44 Ethyl acetate	43	5.947	5.947	0.000	99	787201	50.0	51.4	
43 Propionitrile	54	6.077	6.077	0.000	99	732012	250.0	257.7	
45 Methacrylonitrile	41	6.220	6.219	0.001	93	2450533	250.0	257.4	
56 Tert-amyl methyl ether	73	7.026	7.026	0.000	97	955772	25.0	26.6	
58 n-Butanol	56	7.737	7.737	0.000	90	393656	625.0	580.9	
60 Ethyl acrylate	55	7.868	7.868	0.000	99	455197	25.0	27.0	
63 Methyl methacrylate	41	8.117	8.117	0.000	93	612963	50.0	51.6	
67 2-Nitropropane	41	8.627	8.627	0.000	97	122468	50.0	45.3	
78 n-Butyl acetate	43	9.872	9.872	0.000	99	506270	25.0	26.7	
82 1-Chlorohexane	91	10.394	10.394	0.000	97	308167	25.0	23.4	
91 Cyclohexanone	55	11.402	11.402	0.000	93	219073	250.0	258.8	
104 Pentachloroethane	167	12.066	12.066	0.000	83	29676	50.0	19.6	
110 1,2,3-Trimethylbenzene	105	12.422	12.421	0.001	98	935036	25.0	24.7	
111 Benzyl chloride	91	12.528	12.528	0.000	98	294485	25.0	25.7	
115 1,3,5-Trichlorobenzene	180	13.465	13.477	-0.012	98	364748	25.0	25.2	
120 2-Methylnaphthalene	142	15.054	15.054	0.000	92	1093026	50.0	46.9	

QC Flag Legend

Processing Flags

Reagents:

VMFASA9W_00421	Amount Added: 20.00	Units: uL	
vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm25UX18IS_00007	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00026	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00241	Amount Added: 0.00	Units:	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224039.D

Injection Date: 06-Sep-2023 23:07:35

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: ICV

Worklist Smp#: 28

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

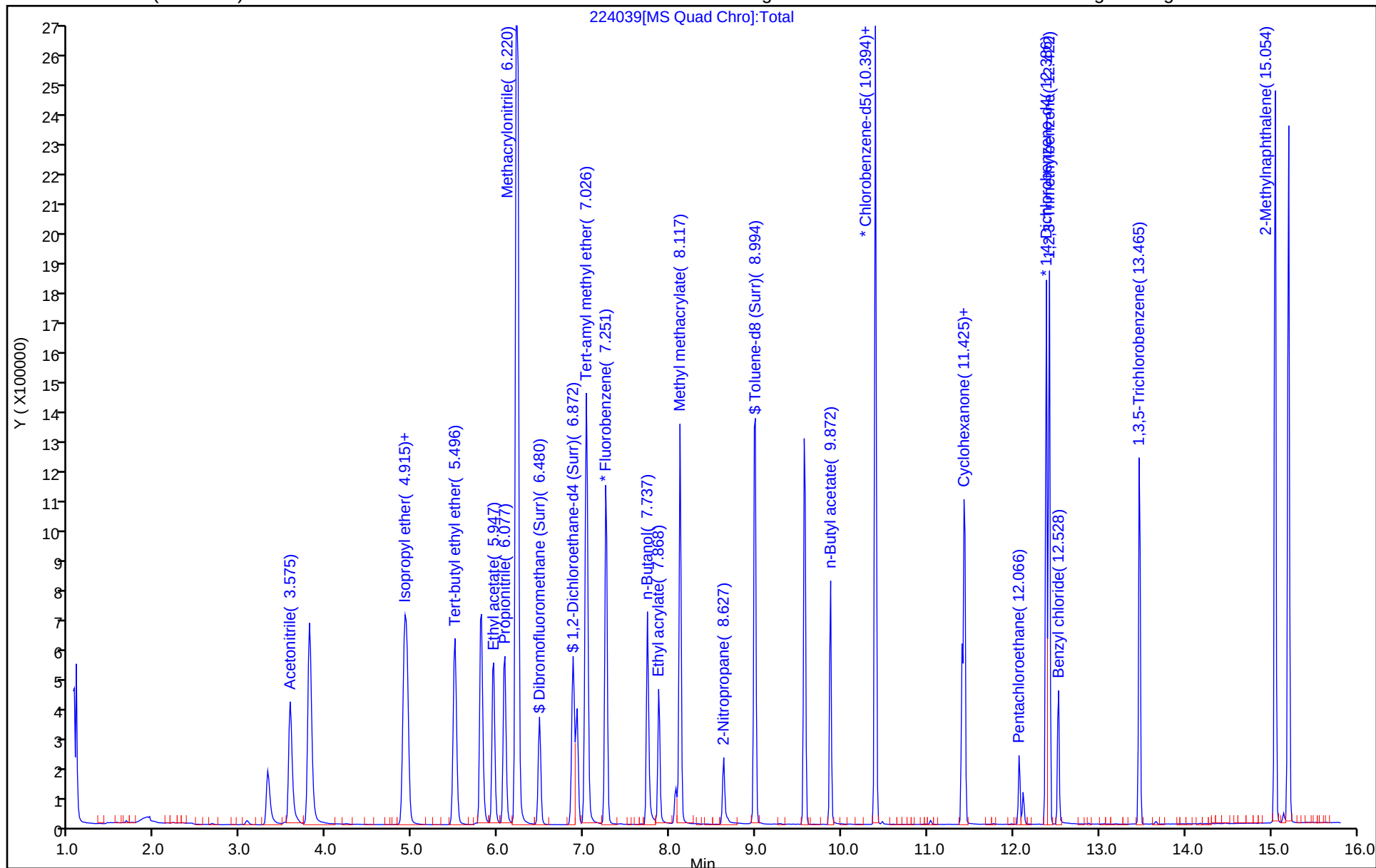
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Lab Sample ID: ICV 240-586720/18 Calibration Date: 09/11/2023 19:07
Instrument ID: A3UX22 Calib Start Date: 09/06/2023 13:11
GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 09/06/2023 16:22
Lab File ID: 224119.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	0.2606	0.2441		0.0234	0.0250	-6.3	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2790	0.2643		0.0237	0.0250	-5.3	30.0
Toluene-d8 (Surr)	Ave	1.328	1.152		0.0217	0.0250	-13.2	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4806	0.4311		0.0224	0.0250	-10.3	30.0

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224119.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 11-Sep-2023 19:07:08 ALS Bottle#: 0 Worklist Smp#: 18
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0133314-018
 Operator ID: 002808 Instrument ID: A3UX22
 Sublist:
 Method: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 12-Sep-2023 15:41:19 Calib Date: 11-Sep-2023 18:19:34
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1640

First Level Reviewer: PHN3

Date: 12-Sep-2023 10:49:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.263	7.263	0.000	99	1021349	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.393	0.001	86	786328	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	95	423551	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	249351	25.0	23.4	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	269896	25.0	23.7	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.982	0.012	94	906052	25.0	21.7	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.425	11.425	0.000	93	338968	25.0	22.4	
171 isobutylene	56	1.488	1.488	0.000	97	246548	25.0	82.7	E
168 Methyl acrylate	55	5.994	5.994	0.000	100	314468	25.0	25.9	
169 n-Butyl acrylate	73	10.939	10.939	0.000	97	177659	25.0	26.0	
170 2-Ethylhexyl acrylate	70	14.082	14.081	0.001	82	141506	25.0	22.0	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

VM4AcrylFASW_00028	Amount Added: 20.00	Units: uL	
vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm25UX18IS_00007	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00026	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00241	Amount Added: 0.00	Units:	Run Reagent

Report Date: 12-Sep-2023 15:42:12

Chrom Revision: 2.3 21-Aug-2023 17:14:06

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224119.D

Injection Date: 11-Sep-2023 19:07:08

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: ICV

Worklist Smp#: 18

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

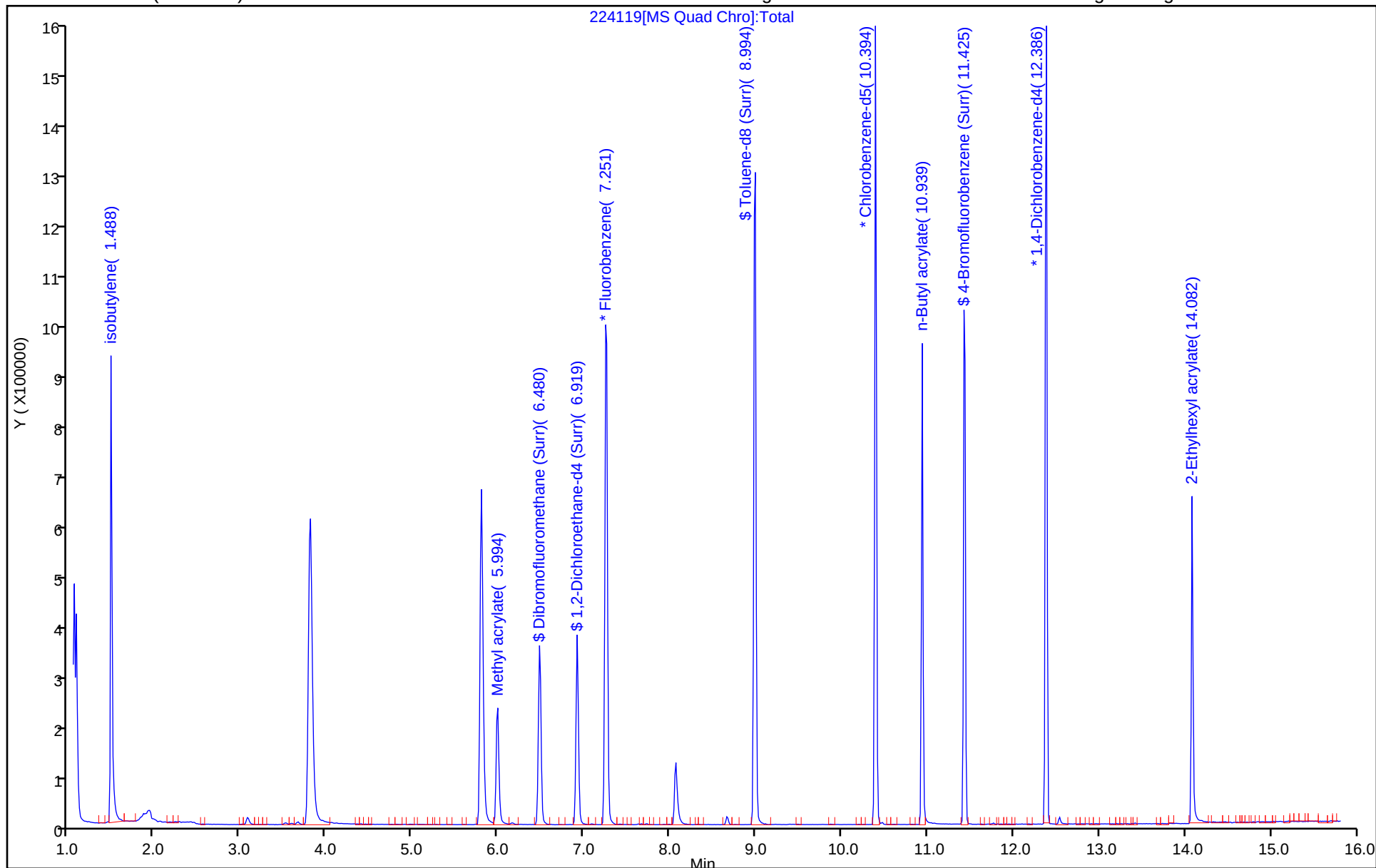
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Lab Sample ID: ICV 240-586720/18 Calibration Date: 09/11/2023 19:07
Instrument ID: A3UX22 Calib Start Date: 09/11/2023 15:09
GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 09/11/2023 18:19
Lab File ID: 224119.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
isobutylene	Ave	0.0730	0.2414		0.0827	0.0250	230.6*	50.0
Methyl acrylate	Ave	0.2969	0.3079		0.0259	0.0250	3.7	50.0
n-Butyl acrylate	Ave	0.2170	0.2259		0.0260	0.0250	4.1	50.0
2-Ethylhexyl acrylate	Qua		0.3341		0.0220	0.0250	-12.0	50.0

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224119.D
 Lims ID: ICV
 Client ID:
 Sample Type: ICV
 Inject. Date: 11-Sep-2023 19:07:08 ALS Bottle#: 0 Worklist Smp#: 18
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0133314-018
 Operator ID: 002808 Instrument ID: A3UX22
 Sublist:
 Method: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 12-Sep-2023 15:41:19 Calib Date: 11-Sep-2023 18:19:34
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1640

First Level Reviewer: PHN3

Date: 12-Sep-2023 10:49:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.263	7.263	0.000	99	1021349	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.393	0.001	86	786328	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	95	423551	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	249351	25.0	23.4	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	269896	25.0	23.7	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.982	0.012	94	906052	25.0	21.7	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.425	11.425	0.000	93	338968	25.0	22.4	
171 isobutylene	56	1.488	1.488	0.000	97	246548	25.0	82.7	E
168 Methyl acrylate	55	5.994	5.994	0.000	100	314468	25.0	25.9	
169 n-Butyl acrylate	73	10.939	10.939	0.000	97	177659	25.0	26.0	
170 2-Ethylhexyl acrylate	70	14.082	14.081	0.001	82	141506	25.0	22.0	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

VM4AcrylFASW_00028	Amount Added: 20.00	Units: uL	
vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm25UX18IS_00007	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00026	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00241	Amount Added: 0.00	Units:	Run Reagent

Report Date: 12-Sep-2023 15:42:12

Chrom Revision: 2.3 21-Aug-2023 17:14:06

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224119.D

Injection Date: 11-Sep-2023 19:07:08

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: ICV

Worklist Smp#: 18

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

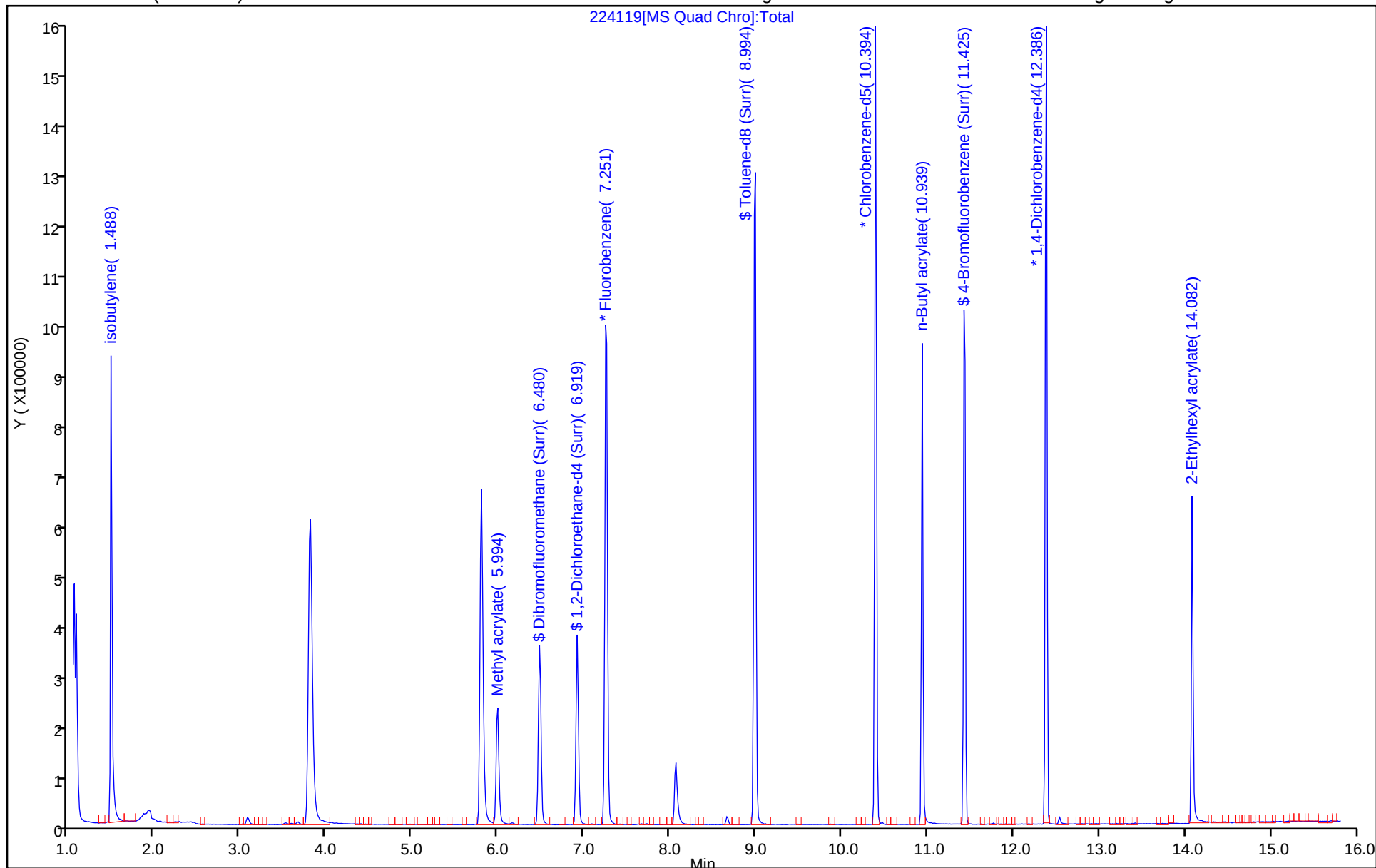
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Lab Sample ID: CCVIS 240-591678/3 Calibration Date: 10/20/2023 14:21

Instrument ID: A3UX22 Calib Start Date: 09/06/2023 13:11

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 09/06/2023 16:22

Lab File ID: 225289.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	0.2818	0.3656	0.1000	0.0162	0.0125	29.7*	20.0
Chloromethane	Ave	0.3068	0.3349	0.1000	0.0136	0.0125	9.2	20.0
Vinyl chloride	Ave	0.2814	0.3116	0.1000	0.0138	0.0125	10.7	20.0
Butadiene	Ave	0.2718	0.3536		0.0163	0.0125	30.1*	20.0
Bromomethane	Ave	0.1225	0.1345	0.0500	0.0137	0.0125	9.8	20.0
Chloroethane	Ave	0.1497	0.1702	0.0500	0.0142	0.0125	13.7	20.0
Trichlorofluoromethane	Ave	0.3376	0.3962	0.1000	0.0147	0.0125	17.4	20.0
Dichlorofluoromethane	Ave	0.3895	0.4882		0.0157	0.0125	25.3*	20.0
Ethyl ether	Ave	0.1855	0.1839		0.0248	0.0250	-0.8	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2110	0.2134	0.0500	0.0253	0.0250	1.2	20.0
Acrolein	Ave	0.0322	0.0250		0.0971	0.125	-22.3*	20.0
1,1-Dichloroethene	Ave	0.1885	0.1813	0.1000	0.0240	0.0250	-3.8	20.0
Acetone	Ave	0.1389	0.1336	0.0100	0.0481	0.0500	-3.8	50.0
Iodomethane	Ave	0.2491	0.1741		0.0175	0.0250	-30.1*	20.0
Carbon disulfide	Ave	0.5472	0.4849	0.1000	0.0222	0.0250	-11.4	20.0
3-Chloro-1-propene	Ave	0.3252	0.3241		0.0249	0.0250	-0.3	20.0
Methyl acetate	Ave	0.3369	0.3079	0.0500	0.0457	0.0500	-8.6	50.0
Methylene Chloride	Lin1		0.2241	0.1000	0.0240	0.0250	-4.2	50.0
2-Methyl-2-propanol	Ave	0.0575	0.0529		0.230	0.250	-8.0	20.0
Methyl tert-butyl ether	Ave	0.6621	0.6657	0.1000	0.0251	0.0250	0.6	20.0
trans-1,2-Dichloroethene	Ave	0.2200	0.2202	0.1000	0.0250	0.0250	0.0	20.0
Acrylonitrile	Ave	0.1446	0.1501		0.260	0.250	3.8	20.0
Hexane	Ave	0.3163	0.3156		0.0249	0.0250	-0.2	20.0
1,1-Dichloroethane	Ave	0.4062	0.4159	0.2000	0.0256	0.0250	2.4	20.0
Vinyl acetate	Ave	0.3642	0.4455		0.0306	0.0250	22.3*	20.0
2,2-Dichloropropane	Ave	0.0592	0.0604		0.0255	0.0250	1.9	20.0
cis-1,2-Dichloroethene	Ave	0.2402	0.2487	0.1000	0.0259	0.0250	3.5	20.0
2-Butanone (MEK)	Ave	0.0526	0.0525	0.0100	0.0499	0.0500	-0.2	50.0
Chlorobromomethane	Ave	0.1899	0.1867		0.0246	0.0250	-1.7	20.0
Tetrahydrofuran	Ave	0.1469	0.1398		0.0476	0.0500	-4.9	20.0
Chloroform	Ave	0.3974	0.4133	0.2000	0.0260	0.0250	4.0	20.0
Cyclohexane	Ave	0.3397	0.3480	0.1000	0.0256	0.0250	2.4	20.0
1,1,1-Trichloroethane	Ave	0.3291	0.3382	0.1000	0.0257	0.0250	2.8	20.0
Carbon tetrachloride	Ave	0.2783	0.2871	0.1000	0.0258	0.0250	3.2	20.0
1,1-Dichloropropene	Ave	0.3174	0.3326		0.0262	0.0250	4.8	20.0
Benzene	Ave	0.9078	0.9356	0.5000	0.0258	0.0250	3.1	20.0
Isobutyl alcohol	Ave	0.0172	0.0172		0.626	0.625	0.1	20.0
1,2-Dichloroethane	Ave	0.3154	0.3295	0.1000	0.0261	0.0250	4.5	20.0
n-Heptane	Ave	0.0573	0.0597		0.0260	0.0250	4.1	20.0
Trichloroethene	Ave	0.2515	0.2488	0.1500	0.0247	0.0250	-1.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Lab Sample ID: CCVIS 240-591678/3 Calibration Date: 10/20/2023 14:21

Instrument ID: A3UX22 Calib Start Date: 09/06/2023 13:11

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 09/06/2023 16:22

Lab File ID: 225289.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	0.3711	0.3961	0.1000	0.0267	0.0250	6.8	20.0
1,2-Dichloropropane	Ave	0.2333	0.2339	0.1000	0.0251	0.0250	0.2	20.0
Dibromomethane	Ave	0.1621	0.1604		0.0247	0.0250	-1.1	20.0
1,4-Dioxane	Ave	0.0062	0.0054		0.436	0.500	-12.7	50.0
Dichlorobromomethane	Ave	0.2800	0.2835	0.1500	0.0253	0.0250	1.2	20.0
2-Chloroethyl vinyl ether	Ave	0.1858	0.1806		0.0486	0.0500	-2.8	20.0
cis-1,3-Dichloropropene	Ave	0.3278	0.3444	0.1500	0.0263	0.0250	5.1	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3728	0.3697	0.0500	0.0496	0.0500	-0.8	50.0
Toluene	Ave	1.306	1.369	0.4000	0.0262	0.0250	4.8	20.0
trans-1,3-Dichloropropene	Ave	0.3891	0.4197	0.1000	0.0270	0.0250	7.9	20.0
Ethyl methacrylate	Ave	0.4382	0.4553		0.0260	0.0250	3.9	20.0
1,1,2-Trichloroethane	Ave	0.2917	0.3089	0.1000	0.0265	0.0250	5.9	20.0
Tetrachloroethene	Ave	0.3374	0.3552	0.1500	0.0263	0.0250	5.3	20.0
1,3-Dichloropropane	Ave	0.5124	0.5534		0.0270	0.0250	8.0	20.0
2-Hexanone	Ave	0.3786	0.3958	0.0500	0.0523	0.0500	4.6	50.0
Chlorodibromomethane	Ave	0.2878	0.2943		0.0256	0.0250	2.3	20.0
Ethylene Dibromide	Ave	0.3100	0.3241		0.0261	0.0250	4.5	20.0
Chlorobenzene	Ave	0.8316	0.8771	0.3000	0.0264	0.0250	5.5	20.0
Ethylbenzene	Ave	0.4440	0.4793		0.0270	0.0250	8.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2724	0.2816		0.0258	0.0250	3.4	20.0
m-Xylene & p-Xylene	Ave	0.5445	0.5909		0.0271	0.0250	8.5	20.0
o-Xylene	Ave	0.5285	0.5695		0.0269	0.0250	7.8	20.0
Styrene	Ave	0.8720	0.9453	0.3000	0.0271	0.0250	8.4	20.0
Bromoform	Ave	0.2033	0.1926	0.1000	0.0237	0.0250	-5.2	20.0
Isopropylbenzene	Ave	1.356	1.483	0.1000	0.0273	0.0250	9.4	20.0
Bromobenzene	Ave	0.6454	0.6852		0.0265	0.0250	6.2	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8691	0.9207	0.3000	0.0265	0.0250	5.9	20.0
N-Propylbenzene	Ave	0.6954	0.7820		0.0281	0.0250	12.4	20.0
1,2,3-Trichloropropane	Ave	0.2933	0.3116		0.0266	0.0250	6.2	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2179	0.2301		0.0264	0.0250	5.6	20.0
2-Chlorotoluene	Ave	0.6070	0.6760		0.0278	0.0250	11.4	20.0
1,3,5-Trimethylbenzene	Ave	2.125	2.367		0.0279	0.0250	11.4	20.0
4-Chlorotoluene	Ave	0.6172	0.6815		0.0276	0.0250	10.4	20.0
tert-Butylbenzene	Ave	1.825	2.016		0.0276	0.0250	10.4	20.0
1,2,4-Trimethylbenzene	Ave	2.139	2.423		0.0283	0.0250	13.3	20.0
sec-Butylbenzene	Ave	2.622	2.993		0.0285	0.0250	14.2	20.0
4-Isopropyltoluene	Ave	2.240	2.534		0.0283	0.0250	13.1	20.0
1,3-Dichlorobenzene	Ave	1.211	1.308	0.6000	0.0270	0.0250	8.0	20.0
1,4-Dichlorobenzene	Ave	1.220	1.329	0.5000	0.0272	0.0250	8.9	20.0
n-Butylbenzene	Ave	1.982	2.290		0.0289	0.0250	15.6	20.0
1,2-Dichlorobenzene	Ave	1.163	1.247	0.4000	0.0268	0.0250	7.2	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
 SDG No.: _____
 Lab Sample ID: CCVIS 240-591678/3 Calibration Date: 10/20/2023 14:21
 Instrument ID: A3UX22 Calib Start Date: 09/06/2023 13:11
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 09/06/2023 16:22
 Lab File ID: 225289.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	0.2333	0.2281	0.0500	0.0244	0.0250	-2.2	50.0
1,2,4-Trichlorobenzene	Ave	0.7853	0.8081	0.2000	0.0257	0.0250	2.9	50.0
Hexachlorobutadiene	Ave	0.3344	0.3456		0.0258	0.0250	3.4	50.0
Naphthalene	Ave	2.471	2.491		0.0252	0.0250	0.8	50.0
1,2,3-Trichlorobenzene	Ave	0.7337	0.7842		0.0267	0.0250	6.9	20.0
Dibromofluoromethane (Surr)	Ave	0.2606	0.2436		0.0234	0.0250	-6.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2790	0.2757		0.0247	0.0250	-1.2	20.0
Toluene-d8 (Surr)	Ave	1.328	1.273		0.0240	0.0250	-4.1	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4806	0.4460		0.0232	0.0250	-7.2	20.0

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225289.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 20-Oct-2023 14:21:48 ALS Bottle#: 0 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134907-003
 Operator ID: 002808 Instrument ID: A3UX22
 Sublist: chrom-8260_22*sub1
 Method: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 22-Oct-2023 15:07:23 Calib Date: 11-Sep-2023 18:19:34
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 20-Oct-2023 14:45:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.251	7.251	0.000	98	1217610	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.394	0.000	88	876958	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	95	461996	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	296601	25.0	23.4	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	335647	25.0	24.7	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	95	1115946	25.0	24.0	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.437	11.437	0.000	96	391166	25.0	23.2	
9 Dichlorodifluoromethane	85	1.239	1.239	0.000	99	222564	12.5	16.2	
10 Chloromethane	50	1.429	1.429	0.000	99	203911	12.5	13.6	
12 Vinyl chloride	62	1.523	1.523	0.000	98	189714	12.5	13.8	
11 Butadiene	54	1.559	1.559	0.000	93	215255	12.5	16.3	
13 Bromomethane	94	1.856	1.856	0.000	93	81856	12.5	13.7	
15 Chloroethane	64	1.962	1.962	0.000	99	103639	12.5	14.2	
17 Trichlorofluoromethane	101	2.199	2.199	0.000	98	241179	12.5	14.7	
16 Dichlorofluoromethane	67	2.223	2.223	0.000	98	297221	12.5	15.7	
18 Ethyl ether	59	2.603	2.603	0.000	93	223956	25.0	24.8	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	101	2.828	2.828	0.000	95	259849	25.0	25.3	
19 Acrolein	56	2.852	2.852	0.000	99	152215	125.0	97.1	
20 1,1-Dichloroethene	96	2.864	2.864	0.000	97	220783	25.0	24.0	
22 Acetone	43	3.065	3.065	0.000	99	325340	50.0	48.1	
24 Iodomethane	142	3.077	3.077	0.000	99	212042	25.0	17.5	
25 Carbon disulfide	76	3.101	3.101	0.000	100	590403	25.0	22.2	
27 3-Chloro-1-propene	41	3.409	3.409	0.000	90	394600	25.0	24.9	
28 Methyl acetate	43	3.504	3.504	0.000	98	749761	50.0	45.7	
29 Methylene Chloride	84	3.658	3.658	0.000	94	272874	25.0	24.0	
30 2-Methyl-2-propanol	59	3.943	3.943	0.000	97	644150	250.0	230.0	
33 Methyl tert-butyl ether	73	4.014	4.014	0.000	92	810612	25.0	25.1	
32 trans-1,2-Dichloroethene	96	4.014	4.014	0.000	70	268088	25.0	25.0	
31 Acrylonitrile	53	4.215	4.215	0.000	98	1827750	250.0	259.5	
34 Hexane	57	4.370	4.370	0.000	94	384296	25.0	24.9	
35 1,1-Dichloroethane	63	4.856	4.856	0.000	96	506406	25.0	25.6	

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	4.986	4.986	0.000	98	542430	25.0	30.6	
42 2,2-Dichloropropane	97	5.733	5.733	0.000	92	73541	25.0	25.5	
41 cis-1,2-Dichloroethene	96	5.793	5.793	0.000	81	302776	25.0	25.9	
40 2-Butanone (MEK)	72	5.887	5.887	0.000	100	127919	50.0	49.9	
46 Chlorobromomethane	49	6.136	6.136	0.000	96	227305	25.0	24.6	
47 Tetrahydrofuran	42	6.136	6.136	0.000	89	340407	50.0	47.6	
48 Chloroform	83	6.267	6.267	0.000	94	503248	25.0	26.0	
50 Cyclohexane	84	6.350	6.350	0.000	92	423680	25.0	25.6	
49 1,1,1-Trichloroethane	97	6.397	6.397	0.000	99	411803	25.0	25.7	
52 Carbon tetrachloride	117	6.552	6.552	0.000	97	349564	25.0	25.8	
51 1,1-Dichloropropene	75	6.623	6.623	0.000	96	405014	25.0	26.2	
54 Benzene	78	6.872	6.872	0.000	97	1139142	25.0	25.8	
53 Isobutyl alcohol	41	6.967	6.967	0.000	93	523593	625.0	625.7	
55 1,2-Dichloroethane	62	7.014	7.014	0.000	97	401207	25.0	26.1	
57 n-Heptane	100	7.144	7.144	0.000	92	72642	25.0	26.0	
59 Trichloroethene	130	7.666	7.666	0.000	97	302960	25.0	24.7	
61 Methylcyclohexane	83	7.773	7.773	0.000	91	482348	25.0	26.7	
62 1,2-Dichloropropane	63	7.975	7.975	0.000	92	284792	25.0	25.1	
64 Dibromomethane	174	8.105	8.105	0.000	97	195280	25.0	24.7	
65 1,4-Dioxane	88	8.117	8.117	0.000	96	131327	500.0	436.4	
66 Dichlorobromomethane	83	8.283	8.283	0.000	99	345191	25.0	25.3	
68 2-Chloroethyl vinyl ether	63	8.651	8.651	0.000	92	439897	50.0	48.6	
69 cis-1,3-Dichloropropene	75	8.781	8.781	0.000	94	419352	25.0	26.3	
70 4-Methyl-2-pentanone (MIBK)	43	8.947	8.947	0.000	97	900227	50.0	49.6	
71 Toluene	91	9.054	9.054	0.000	98	1200726	25.0	26.2	
72 trans-1,3-Dichloropropene	75	9.386	9.386	0.000	93	368074	25.0	27.0	
73 Ethyl methacrylate	69	9.421	9.421	0.000	91	399302	25.0	26.0	
74 1,1,2-Trichloroethane	97	9.552	9.552	0.000	93	270897	25.0	26.5	
75 Tetrachloroethene	166	9.576	9.576	0.000	97	311518	25.0	26.3	
76 1,3-Dichloropropane	76	9.706	9.706	0.000	92	485272	25.0	27.0	
77 2-Hexanone	43	9.777	9.777	0.000	97	694261	50.0	52.3	
79 Chlorodibromomethane	129	9.884	9.884	0.000	90	258102	25.0	25.6	
81 Ethylene Dibromide	107	10.002	10.002	0.000	98	284210	25.0	26.1	
83 Chlorobenzene	112	10.417	10.417	0.000	94	769165	25.0	26.4	
85 Ethylbenzene	106	10.500	10.500	0.000	98	420352	25.0	27.0	
84 1,1,1,2-Tetrachloroethane	131	10.512	10.512	0.000	94	246935	25.0	25.8	
86 m-Xylene & p-Xylene	106	10.607	10.607	0.000	99	518167	25.0	27.1	
87 o-Xylene	106	10.951	10.951	0.000	98	499421	25.0	26.9	
88 Styrene	104	10.975	10.975	0.000	95	828966	25.0	27.1	
89 Bromoform	173	11.165	11.165	0.000	96	168918	25.0	23.7	
90 Isopropylbenzene	105	11.259	11.259	0.000	96	1300801	25.0	27.3	
95 Bromobenzene	156	11.556	11.556	0.000	95	316575	25.0	26.5	
93 1,1,2,2-Tetrachloroethane	83	11.580	11.580	0.000	95	425353	25.0	26.5	
98 N-Propylbenzene	120	11.603	11.603	0.000	99	361262	25.0	28.1	
96 1,2,3-Trichloropropane	110	11.627	11.627	0.000	88	143935	25.0	26.6	
97 trans-1,4-Dichloro-2-butene	53	11.639	11.639	0.000	74	106314	25.0	26.4	
100 2-Chlorotoluene	126	11.698	11.698	0.000	96	312310	25.0	27.8	
101 1,3,5-Trimethylbenzene	105	11.757	11.757	0.000	94	1093561	25.0	27.9	
102 4-Chlorotoluene	126	11.805	11.805	0.000	97	314841	25.0	27.6	
103 tert-Butylbenzene	119	12.018	12.018	0.000	94	931317	25.0	27.6	
105 1,2,4-Trimethylbenzene	105	12.066	12.066	0.000	98	1119633	25.0	28.3	
106 sec-Butylbenzene	105	12.196	12.196	0.000	94	1382722	25.0	28.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 4-Isopropyltoluene	119	12.315	12.315	0.000	97	1170733	25.0	28.3	
107 1,3-Dichlorobenzene	146	12.327	12.327	0.000	98	604296	25.0	27.0	
109 1,4-Dichlorobenzene	146	12.410	12.410	0.000	96	614200	25.0	27.2	
112 n-Butylbenzene	91	12.647	12.647	0.000	98	1057977	25.0	28.9	
113 1,2-Dichlorobenzene	146	12.706	12.706	0.000	96	576151	25.0	26.8	
114 1,2-Dibromo-3-Chloropropane	157	13.358	13.358	0.000	88	105402	25.0	24.4	
116 1,2,4-Trichlorobenzene	180	13.975	13.975	0.000	94	373321	25.0	25.7	
117 Hexachlorobutadiene	225	14.070	14.070	0.000	98	159668	25.0	25.8	
118 Naphthalene	128	14.177	14.177	0.000	98	1150747	25.0	25.2	
119 1,2,3-Trichlorobenzene	180	14.366	14.366	0.000	96	362287	25.0	26.7	
S 125 Trihalomethanes, Total	1				0		100.0	100.6	
S 124 Total BTEX	1				0		125.0	133.0	
S 128 Xylenes, Total	106				0		50.0	54.1	

QC Flag Legend

Processing Flags

Reagents:

VMAROLISTDW_00506	Amount Added: 20.00	Units: uL	
VMRGAS_00498	Amount Added: 10.00	Units: uL	
VMRPRIMW_00554	Amount Added: 20.00	Units: uL	
vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm25UX18IS_00009	Amount Added: 5.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225289.D

Injection Date: 20-Oct-2023 14:21:48

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: ccvis

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

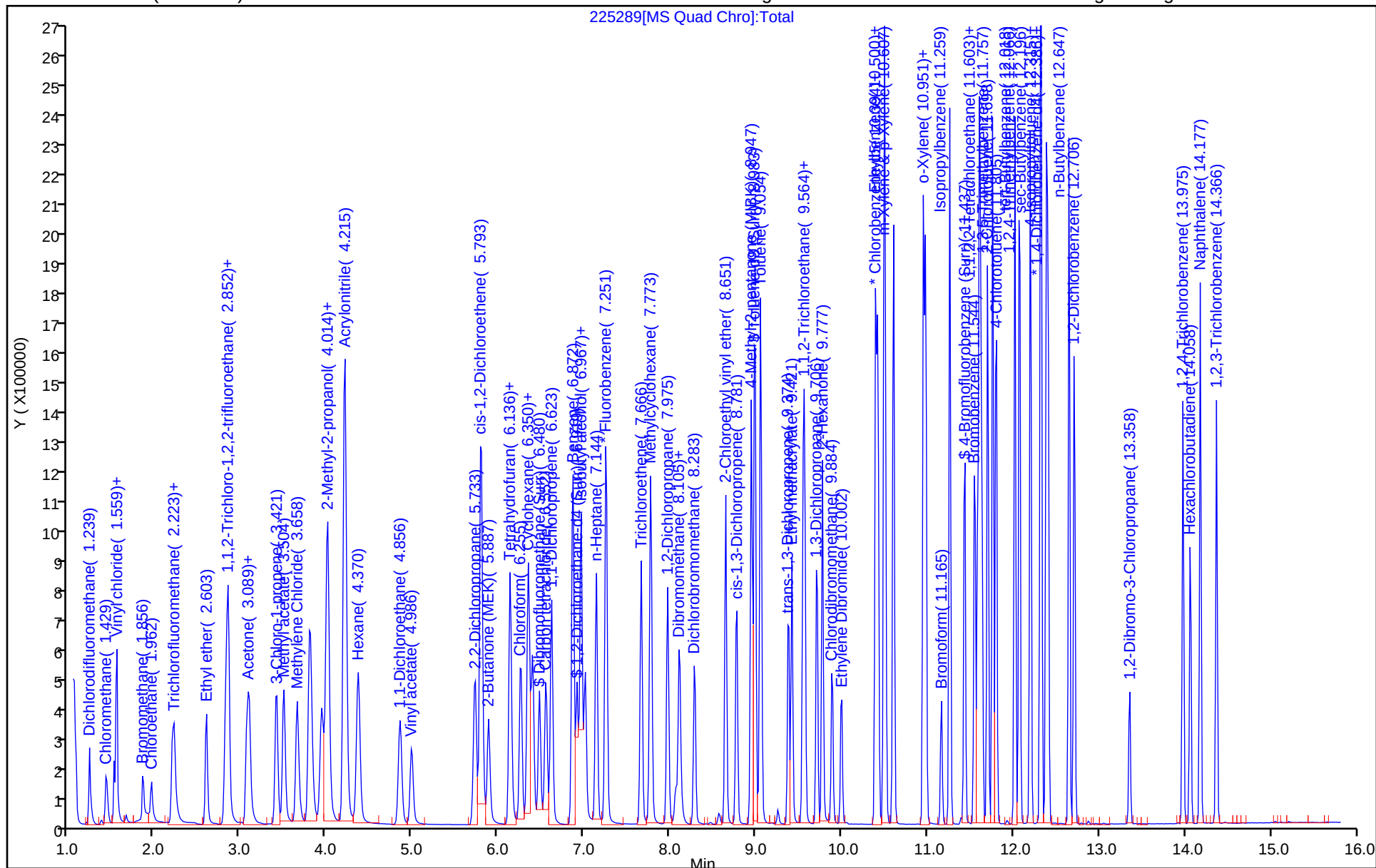
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Lab Sample ID: CCVIS 240-591760/3 Calibration Date: 10/22/2023 15:30

Instrument ID: A3UX22 Calib Start Date: 09/06/2023 13:11

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 09/06/2023 16:22

Lab File ID: 225319.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	0.2818	0.3438	0.1000	0.0153	0.0125	22.0*	20.0
Chloromethane	Ave	0.3068	0.3348	0.1000	0.0136	0.0125	9.1	20.0
Vinyl chloride	Ave	0.2814	0.3077	0.1000	0.0137	0.0125	9.4	20.0
Butadiene	Ave	0.2718	0.3223		0.0148	0.0125	18.6	20.0
Bromomethane	Ave	0.1225	0.1288	0.0500	0.0131	0.0125	5.1	20.0
Chloroethane	Ave	0.1497	0.1829	0.0500	0.0153	0.0125	22.2*	20.0
Trichlorofluoromethane	Ave	0.3376	0.3838	0.1000	0.0142	0.0125	13.7	20.0
Dichlorofluoromethane	Ave	0.3895	0.4936		0.0158	0.0125	26.7*	20.0
Ethyl ether	Ave	0.1855	0.1805		0.0243	0.0250	-2.7	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2110	0.2071	0.0500	0.0245	0.0250	-1.8	20.0
Acrolein	Ave	0.0322	0.0240		0.0931	0.125	-25.6*	20.0
1,1-Dichloroethene	Ave	0.1885	0.1853	0.1000	0.0246	0.0250	-1.7	20.0
Acetone	Ave	0.1389	0.1303	0.0100	0.0469	0.0500	-6.2	50.0
Iodomethane	Ave	0.2491	0.1716		0.0172	0.0250	-31.1*	20.0
Carbon disulfide	Ave	0.5472	0.5177	0.1000	0.0237	0.0250	-5.4	20.0
3-Chloro-1-propene	Ave	0.3252	0.3254		0.0250	0.0250	0.0	20.0
Methyl acetate	Ave	0.3369	0.3080	0.0500	0.0457	0.0500	-8.6	50.0
Methylene Chloride	Lin1		0.2308	0.1000	0.0247	0.0250	-1.3	50.0
2-Methyl-2-propanol	Ave	0.0575	0.0504		0.219	0.250	-12.4	20.0
Methyl tert-butyl ether	Ave	0.6621	0.6748	0.1000	0.0255	0.0250	1.9	20.0
trans-1,2-Dichloroethene	Ave	0.2200	0.2206	0.1000	0.0251	0.0250	0.3	20.0
Acrylonitrile	Ave	0.1446	0.1489		0.257	0.250	2.9	20.0
Hexane	Ave	0.3163	0.3090		0.0244	0.0250	-2.3	20.0
1,1-Dichloroethane	Ave	0.4062	0.4221	0.2000	0.0260	0.0250	3.9	20.0
Vinyl acetate	Ave	0.3642	0.4179		0.0287	0.0250	14.7	20.0
2,2-Dichloropropane	Ave	0.0592	0.0629		0.0265	0.0250	6.2	20.0
cis-1,2-Dichloroethene	Ave	0.2402	0.2507	0.1000	0.0261	0.0250	4.4	20.0
2-Butanone (MEK)	Ave	0.0526	0.0522	0.0100	0.0496	0.0500	-0.7	50.0
Chlorobromomethane	Ave	0.1899	0.1923		0.0253	0.0250	1.3	20.0
Tetrahydrofuran	Ave	0.1469	0.1373		0.0467	0.0500	-6.6	20.0
Chloroform	Ave	0.3974	0.4207	0.2000	0.0265	0.0250	5.9	20.0
Cyclohexane	Ave	0.3397	0.3429	0.1000	0.0252	0.0250	0.9	20.0
1,1,1-Trichloroethane	Ave	0.3291	0.3506	0.1000	0.0266	0.0250	6.5	20.0
Carbon tetrachloride	Ave	0.2783	0.3054	0.1000	0.0274	0.0250	9.8	20.0
1,1-Dichloropropene	Ave	0.3174	0.3358		0.0264	0.0250	5.8	20.0
Benzene	Ave	0.9078	0.9370	0.5000	0.0258	0.0250	3.2	20.0
Isobutyl alcohol	Ave	0.0172	0.0161		0.587	0.625	-6.1	20.0
1,2-Dichloroethane	Ave	0.3154	0.3300	0.1000	0.0262	0.0250	4.6	20.0
n-Heptane	Ave	0.0573	0.0605		0.0264	0.0250	5.5	20.0
Trichloroethene	Ave	0.2515	0.2539	0.1500	0.0252	0.0250	0.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Lab Sample ID: CCVIS 240-591760/3 Calibration Date: 10/22/2023 15:30

Instrument ID: A3UX22 Calib Start Date: 09/06/2023 13:11

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 09/06/2023 16:22

Lab File ID: 225319.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	0.3711	0.3896	0.1000	0.0262	0.0250	5.0	20.0
1,2-Dichloropropane	Ave	0.2333	0.2434	0.1000	0.0261	0.0250	4.3	20.0
Dibromomethane	Ave	0.1621	0.1645		0.0254	0.0250	1.4	20.0
1,4-Dioxane	Ave	0.0062	0.0048		0.392	0.500	-21.6	50.0
Dichlorobromomethane	Ave	0.2800	0.3032	0.1500	0.0271	0.0250	8.3	20.0
2-Chloroethyl vinyl ether	Ave	0.1858	0.1807		0.0486	0.0500	-2.7	20.0
cis-1,3-Dichloropropene	Ave	0.3278	0.3589	0.1500	0.0274	0.0250	9.5	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3728	0.3703	0.0500	0.0497	0.0500	-0.7	50.0
Toluene	Ave	1.306	1.402	0.4000	0.0268	0.0250	7.3	20.0
trans-1,3-Dichloropropene	Ave	0.3891	0.4504	0.1000	0.0289	0.0250	15.8	20.0
Ethyl methacrylate	Ave	0.4382	0.4581		0.0261	0.0250	4.5	20.0
1,1,2-Trichloroethane	Ave	0.2917	0.3082	0.1000	0.0264	0.0250	5.7	20.0
Tetrachloroethene	Ave	0.3374	0.3594	0.1500	0.0266	0.0250	6.5	20.0
1,3-Dichloropropane	Ave	0.5124	0.5511		0.0269	0.0250	7.5	20.0
2-Hexanone	Ave	0.3786	0.3943	0.0500	0.0521	0.0500	4.1	50.0
Chlorodibromomethane	Ave	0.2878	0.3263		0.0283	0.0250	13.4	20.0
Ethylene Dibromide	Ave	0.3100	0.3311		0.0267	0.0250	6.8	20.0
Chlorobenzene	Ave	0.8316	0.8845	0.3000	0.0266	0.0250	6.4	20.0
Ethylbenzene	Ave	0.4440	0.4882		0.0275	0.0250	10.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2724	0.3039		0.0279	0.0250	11.5	20.0
m-Xylene & p-Xylene	Ave	0.5445	0.6081		0.0279	0.0250	11.7	20.0
o-Xylene	Ave	0.5285	0.5800		0.0274	0.0250	9.7	20.0
Styrene	Ave	0.8720	0.9579	0.3000	0.0275	0.0250	9.8	20.0
Bromoform	Ave	0.2033	0.2336	0.1000	0.0287	0.0250	14.9	20.0
Isopropylbenzene	Ave	1.356	1.513	0.1000	0.0279	0.0250	11.5	20.0
Bromobenzene	Ave	0.6454	0.6944		0.0269	0.0250	7.6	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8691	0.9213	0.3000	0.0265	0.0250	6.0	20.0
N-Propylbenzene	Ave	0.6954	0.7836		0.0282	0.0250	12.7	20.0
1,2,3-Trichloropropane	Ave	0.2933	0.3045		0.0260	0.0250	3.8	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2179	0.2731		0.0313	0.0250	25.3*	20.0
2-Chlorotoluene	Ave	0.6070	0.6773		0.0279	0.0250	11.6	20.0
1,3,5-Trimethylbenzene	Ave	2.125	2.365		0.0278	0.0250	11.3	20.0
4-Chlorotoluene	Ave	0.6172	0.7066		0.0286	0.0250	14.5	20.0
tert-Butylbenzene	Ave	1.825	2.037		0.0279	0.0250	11.6	20.0
1,2,4-Trimethylbenzene	Ave	2.139	2.410		0.0282	0.0250	12.7	20.0
sec-Butylbenzene	Ave	2.622	3.003		0.0286	0.0250	14.6	20.0
4-Isopropyltoluene	Ave	2.240	2.553		0.0285	0.0250	14.0	20.0
1,3-Dichlorobenzene	Ave	1.211	1.325	0.6000	0.0274	0.0250	9.4	20.0
1,4-Dichlorobenzene	Ave	1.220	1.324	0.5000	0.0271	0.0250	8.5	20.0
n-Butylbenzene	Ave	1.982	2.292		0.0289	0.0250	15.7	20.0
1,2-Dichlorobenzene	Ave	1.163	1.261	0.4000	0.0271	0.0250	8.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
 SDG No.: _____
 Lab Sample ID: CCVIS 240-591760/3 Calibration Date: 10/22/2023 15:30
 Instrument ID: A3UX22 Calib Start Date: 09/06/2023 13:11
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 09/06/2023 16:22
 Lab File ID: 225319.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	0.2333	0.2516	0.0500	0.0270	0.0250	7.8	50.0
1,2,4-Trichlorobenzene	Ave	0.7853	0.8171	0.2000	0.0260	0.0250	4.1	50.0
Hexachlorobutadiene	Ave	0.3344	0.3482		0.0260	0.0250	4.1	50.0
Naphthalene	Ave	2.471	2.485		0.0251	0.0250	0.6	50.0
1,2,3-Trichlorobenzene	Ave	0.7337	0.7991		0.0272	0.0250	8.9	20.0
Dibromofluoromethane (Surr)	Ave	0.2606	0.2386		0.0229	0.0250	-8.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2790	0.2670		0.0239	0.0250	-4.3	20.0
Toluene-d8 (Surr)	Ave	1.328	1.229		0.0232	0.0250	-7.4	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4806	0.4384		0.0228	0.0250	-8.8	20.0

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225319.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 22-Oct-2023 15:30:57 ALS Bottle#: 0 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134937-003
 Operator ID: 002808 Instrument ID: A3UX22
 Sublist: chrom-8260_22*sub1
 Method: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 23-Oct-2023 12:00:00 Calib Date: 11-Sep-2023 18:19:34
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last Ical File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1668

First Level Reviewer: PHN3

Date: 22-Oct-2023 18:33:58

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.251	7.251	0.000	99	1231059	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.394	0.000	87	884391	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	95	472265	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	293703	25.0	22.9	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	328714	25.0	23.9	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	94	1087343	25.0	23.2	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.437	11.437	0.000	97	387743	25.0	22.8	
9 Dichlorodifluoromethane	85	1.239	1.239	0.000	100	211647	12.5	15.3	
10 Chloromethane	50	1.428	1.428	0.000	99	206094	12.5	13.6	
12 Vinyl chloride	62	1.523	1.523	0.000	98	189418	12.5	13.7	
11 Butadiene	54	1.559	1.559	0.000	93	198390	12.5	14.8	
13 Bromomethane	94	1.855	1.855	0.000	92	79258	12.5	13.1	
15 Chloroethane	64	1.962	1.962	0.000	99	112600	12.5	15.3	
17 Trichlorofluoromethane	101	2.211	2.211	0.000	99	236261	12.5	14.2	
16 Dichlorofluoromethane	67	2.235	2.235	0.000	97	303852	12.5	15.8	
18 Ethyl ether	59	2.602	2.602	0.000	92	222191	25.0	24.3	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	2.828	2.828	0.000	94	254987	25.0	24.5	
19 Acrolein	56	2.851	2.851	0.000	99	147423	125.0	93.1	
20 1,1-Dichloroethene	96	2.863	2.863	0.000	96	228151	25.0	24.6	
22 Acetone	43	3.065	3.065	0.000	99	320780	50.0	46.9	
24 Iodomethane	142	3.077	3.077	0.000	100	211302	25.0	17.2	
25 Carbon disulfide	76	3.101	3.101	0.000	100	637321	25.0	23.7	
27 3-Chloro-1-propene	41	3.409	3.409	0.000	90	400624	25.0	25.0	
28 Methyl acetate	43	3.504	3.504	0.000	98	758421	50.0	45.7	
29 Methylene Chloride	84	3.658	3.658	0.000	94	284125	25.0	24.7	
30 2-Methyl-2-propanol	59	3.942	3.942	0.000	98	620235	250.0	219.0	
33 Methyl tert-butyl ether	73	4.002	4.002	0.000	94	830679	25.0	25.5	
32 trans-1,2-Dichloroethene	96	4.014	4.014	0.000	74	271626	25.0	25.1	
31 Acrylonitrile	53	4.215	4.215	0.000	98	1832534	250.0	257.3	
34 Hexane	57	4.369	4.369	0.000	94	380386	25.0	24.4	
35 1,1-Dichloroethane	63	4.856	4.856	0.000	97	519634	25.0	26.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 Vinyl acetate	43	4.986	4.986	0.000	98	514484	25.0	28.7	
42 2,2-Dichloropropane	97	5.733	5.733	0.000	92	77448	25.0	26.5	
41 cis-1,2-Dichloroethene	96	5.792	5.792	0.000	58	308668	25.0	26.1	
40 2-Butanone (MEK)	72	5.887	5.887	0.000	100	128637	50.0	49.6	
46 Chlorobromomethane	49	6.136	6.136	0.000	96	236794	25.0	25.3	
47 Tetrahydrofuran	42	6.136	6.136	0.000	87	337971	50.0	46.7	
48 Chloroform	83	6.267	6.267	0.000	94	517918	25.0	26.5	
50 Cyclohexane	84	6.350	6.350	0.000	92	422165	25.0	25.2	
49 1,1,1-Trichloroethane	97	6.397	6.397	0.000	98	431583	25.0	26.6	
52 Carbon tetrachloride	117	6.551	6.551	0.000	97	375977	25.0	27.4	
51 1,1-Dichloropropene	75	6.623	6.623	0.000	96	413349	25.0	26.4	
54 Benzene	78	6.872	6.872	0.000	97	1153460	25.0	25.8	
53 Isobutyl alcohol	41	6.966	6.966	0.000	94	496608	625.0	586.9	
55 1,2-Dichloroethane	62	7.014	7.014	0.000	97	406213	25.0	26.2	
57 n-Heptane	100	7.144	7.144	0.000	92	74455	25.0	26.4	
59 Trichloroethene	130	7.666	7.666	0.000	97	312553	25.0	25.2	
61 Methylcyclohexane	83	7.773	7.773	0.000	91	479614	25.0	26.2	
62 1,2-Dichloropropane	63	7.974	7.974	0.000	94	299683	25.0	26.1	
64 Dibromomethane	174	8.105	8.105	0.000	96	202482	25.0	25.4	
65 1,4-Dioxane	88	8.117	8.117	0.000	95	119213	500.0	391.8	
66 Dichlorobromomethane	83	8.283	8.283	0.000	99	373260	25.0	27.1	
68 2-Chloroethyl vinyl ether	63	8.650	8.650	0.000	92	444919	50.0	48.6	
69 cis-1,3-Dichloropropene	75	8.781	8.781	0.000	95	441866	25.0	27.4	
70 4-Methyl-2-pentanone (MIBK)	43	8.947	8.947	0.000	97	911644	50.0	49.7	
71 Toluene	91	9.054	9.054	0.000	98	1239630	25.0	26.8	
72 trans-1,3-Dichloropropene	75	9.386	9.386	0.000	93	398309	25.0	28.9	
73 Ethyl methacrylate	69	9.421	9.421	0.000	91	405151	25.0	26.1	
74 1,1,2-Trichloroethane	97	9.552	9.552	0.000	94	272556	25.0	26.4	
75 Tetrachloroethene	166	9.575	9.575	0.000	97	317847	25.0	26.6	
76 1,3-Dichloropropane	76	9.706	9.706	0.000	92	487387	25.0	26.9	
77 2-Hexanone	43	9.777	9.777	0.000	97	697419	50.0	52.1	
79 Chlorodibromomethane	129	9.884	9.884	0.000	90	288546	25.0	28.3	
81 Ethylene Dibromide	107	9.990	9.990	0.000	98	292837	25.0	26.7	
83 Chlorobenzene	112	10.417	10.417	0.000	96	782241	25.0	26.6	
85 Ethylbenzene	106	10.500	10.500	0.000	98	431782	25.0	27.5	
84 1,1,1,2-Tetrachloroethane	131	10.512	10.512	0.000	94	268724	25.0	27.9	
86 m-Xylene & p-Xylene	106	10.607	10.607	0.000	99	537797	25.0	27.9	
87 o-Xylene	106	10.951	10.951	0.000	98	512928	25.0	27.4	
88 Styrene	104	10.975	10.975	0.000	95	847128	25.0	27.5	
89 Bromoform	173	11.164	11.164	0.000	98	206614	25.0	28.7	
90 Isopropylbenzene	105	11.259	11.259	0.000	96	1337696	25.0	27.9	
95 Bromobenzene	156	11.556	11.556	0.000	94	327924	25.0	26.9	
93 1,1,2,2-Tetrachloroethane	83	11.579	11.579	0.000	94	435098	25.0	26.5	
98 N-Propylbenzene	120	11.603	11.603	0.000	99	370086	25.0	28.2	
96 1,2,3-Trichloropropane	110	11.627	11.627	0.000	89	143815	25.0	26.0	
97 trans-1,4-Dichloro-2-butene	53	11.639	11.639	0.000	78	128955	25.0	31.3	
100 2-Chlorotoluene	126	11.698	11.698	0.000	96	319850	25.0	27.9	
101 1,3,5-Trimethylbenzene	105	11.757	11.757	0.000	94	1116697	25.0	27.8	
102 4-Chlorotoluene	126	11.805	11.805	0.000	97	333681	25.0	28.6	
103 tert-Butylbenzene	119	12.018	12.018	0.000	93	961818	25.0	27.9	
105 1,2,4-Trimethylbenzene	105	12.066	12.066	0.000	98	1138199	25.0	28.2	
106 sec-Butylbenzene	105	12.196	12.196	0.000	95	1418380	25.0	28.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 4-Isopropyltoluene	119	12.315	12.315	0.000	97	1205523	25.0	28.5	
107 1,3-Dichlorobenzene	146	12.327	12.327	0.000	98	625535	25.0	27.4	
109 1,4-Dichlorobenzene	146	12.410	12.410	0.000	96	625318	25.0	27.1	
112 n-Butylbenzene	91	12.647	12.647	0.000	98	1082547	25.0	28.9	
113 1,2-Dichlorobenzene	146	12.706	12.706	0.000	97	595681	25.0	27.1	
114 1,2-Dibromo-3-Chloropropane	157	13.358	13.358	0.000	88	118828	25.0	27.0	
116 1,2,4-Trichlorobenzene	180	13.975	13.975	0.000	94	385878	25.0	26.0	
117 Hexachlorobutadiene	225	14.058	14.058	0.000	97	164432	25.0	26.0	
118 Naphthalene	128	14.177	14.177	0.000	97	1173382	25.0	25.1	
119 1,2,3-Trichlorobenzene	180	14.366	14.366	0.000	96	377382	25.0	27.2	
S 125 Trihalomethanes, Total	1				0		100.0	110.6	
S 124 Total BTEX	1				0		125.0	135.5	
S 128 Xylenes, Total	106				0		50.0	55.4	

QC Flag Legend

Processing Flags

Reagents:

VMAROLISTDW_00506	Amount Added: 20.00	Units: uL	
VMRGAS_00498	Amount Added: 10.00	Units: uL	
VMRPRIMW_00554	Amount Added: 20.00	Units: uL	
vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm25UX18IS_00009	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 23-Oct-2023 12:00:01

Chrom Revision: 2.3 22-Sep-2023 11:33:50

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225319.D

Injection Date: 22-Oct-2023 15:30:57

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: ccvis

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

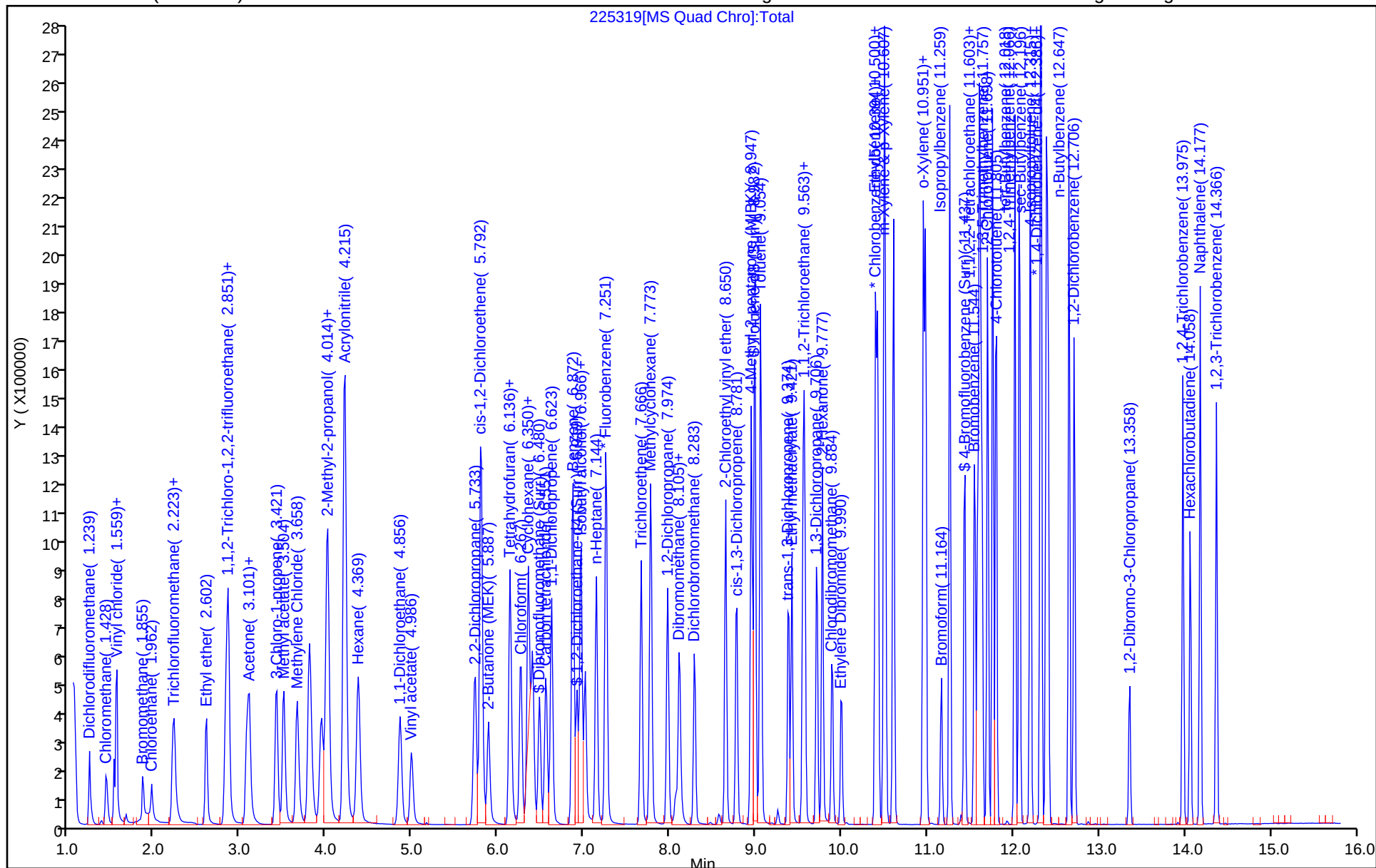
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Lab Sample ID: CCVIS 240-591927/3 Calibration Date: 10/24/2023 02:23

Instrument ID: A3UX22 Calib Start Date: 09/06/2023 13:11

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 09/06/2023 16:22

Lab File ID: 225380.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	0.2818	0.2964	0.1000	0.0131	0.0125	5.2	20.0
Chloromethane	Ave	0.3068	0.3299	0.1000	0.0134	0.0125	7.5	20.0
Vinyl chloride	Ave	0.2814	0.3101	0.1000	0.0138	0.0125	10.2	20.0
Butadiene	Ave	0.2718	0.3386		0.0156	0.0125	24.6*	20.0
Bromomethane	Ave	0.1225	0.1351	0.0500	0.0138	0.0125	10.3	20.0
Chloroethane	Ave	0.1497	0.1820	0.0500	0.0152	0.0125	21.6*	20.0
Trichlorofluoromethane	Ave	0.3376	0.3701	0.1000	0.0137	0.0125	9.7	20.0
Dichlorofluoromethane	Ave	0.3895	0.4960		0.0159	0.0125	27.3*	20.0
Ethyl ether	Ave	0.1855	0.1859		0.0251	0.0250	0.2	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2110	0.1847	0.0500	0.0219	0.0250	-12.4	20.0
Acrolein	Ave	0.0322	0.0212		0.0825	0.125	-34.0*	20.0
1,1-Dichloroethene	Ave	0.1885	0.1791	0.1000	0.0237	0.0250	-5.0	20.0
Acetone	Ave	0.1389	0.1344	0.0100	0.0484	0.0500	-3.2	50.0
Iodomethane	Ave	0.2491	0.1855		0.0186	0.0250	-25.5*	20.0
Carbon disulfide	Ave	0.5472	0.4774	0.1000	0.0218	0.0250	-12.8	20.0
3-Chloro-1-propene	Ave	0.3252	0.3092		0.0238	0.0250	-4.9	20.0
Methyl acetate	Ave	0.3369	0.3161	0.0500	0.0469	0.0500	-6.2	50.0
Methylene Chloride	Lin1		0.2284	0.1000	0.0244	0.0250	-2.3	50.0
2-Methyl-2-propanol	Ave	0.0575	0.0509		0.221	0.250	-11.4	20.0
Methyl tert-butyl ether	Ave	0.6621	0.6609	0.1000	0.0250	0.0250	-0.2	20.0
trans-1,2-Dichloroethene	Ave	0.2200	0.2181	0.1000	0.0248	0.0250	-0.9	20.0
Acrylonitrile	Ave	0.1446	0.1515		0.262	0.250	4.7	20.0
Hexane	Ave	0.3163	0.2584		0.0204	0.0250	-18.3	20.0
1,1-Dichloroethane	Ave	0.4062	0.4181	0.2000	0.0257	0.0250	2.9	20.0
Vinyl acetate	Ave	0.3642	0.3507		0.0241	0.0250	-3.7	20.0
2,2-Dichloropropane	Ave	0.0592	0.0492		0.0207	0.0250	-17.0	20.0
cis-1,2-Dichloroethene	Ave	0.2402	0.2489	0.1000	0.0259	0.0250	3.6	20.0
2-Butanone (MEK)	Ave	0.0526	0.0518	0.0100	0.0492	0.0500	-1.6	50.0
Chlorobromomethane	Ave	0.1899	0.1924		0.0253	0.0250	1.3	20.0
Tetrahydrofuran	Ave	0.1469	0.1372		0.0467	0.0500	-6.6	20.0
Chloroform	Ave	0.3974	0.4137	0.2000	0.0260	0.0250	4.1	20.0
Cyclohexane	Ave	0.3397	0.3109	0.1000	0.0229	0.0250	-8.5	20.0
1,1,1-Trichloroethane	Ave	0.3291	0.3349	0.1000	0.0254	0.0250	1.7	20.0
Carbon tetrachloride	Ave	0.2783	0.2826	0.1000	0.0254	0.0250	1.6	20.0
1,1-Dichloropropene	Ave	0.3174	0.3219		0.0254	0.0250	1.4	20.0
Benzene	Ave	0.9078	0.9233	0.5000	0.0254	0.0250	1.7	20.0
Isobutyl alcohol	Ave	0.0172	0.0166		0.605	0.625	-3.3	20.0
1,2-Dichloroethane	Ave	0.3154	0.3286	0.1000	0.0260	0.0250	4.2	20.0
n-Heptane	Ave	0.0573	0.0495		0.0216	0.0250	-13.6	20.0
Trichloroethene	Ave	0.2515	0.2488	0.1500	0.0247	0.0250	-1.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Lab Sample ID: CCVIS 240-591927/3 Calibration Date: 10/24/2023 02:23

Instrument ID: A3UX22 Calib Start Date: 09/06/2023 13:11

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 09/06/2023 16:22

Lab File ID: 225380.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	0.3711	0.3377	0.1000	0.0228	0.0250	-9.0	20.0
1,2-Dichloropropane	Ave	0.2333	0.2362	0.1000	0.0253	0.0250	1.2	20.0
Dibromomethane	Ave	0.1621	0.1638		0.0253	0.0250	1.0	20.0
1,4-Dioxane	Ave	0.0062	0.0051		0.409	0.500	-18.2	50.0
Dichlorobromomethane	Ave	0.2800	0.2883	0.1500	0.0257	0.0250	2.9	20.0
2-Chloroethyl vinyl ether	Ave	0.1858	0.1764		0.0475	0.0500	-5.0	20.0
cis-1,3-Dichloropropene	Ave	0.3278	0.3319	0.1500	0.0253	0.0250	1.3	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.3728	0.3672	0.0500	0.0493	0.0500	-1.5	50.0
Toluene	Ave	1.306	1.387	0.4000	0.0265	0.0250	6.2	20.0
trans-1,3-Dichloropropene	Ave	0.3891	0.4182	0.1000	0.0269	0.0250	7.5	20.0
Ethyl methacrylate	Ave	0.4382	0.4612		0.0263	0.0250	5.2	20.0
1,1,2-Trichloroethane	Ave	0.2917	0.3135	0.1000	0.0269	0.0250	7.5	20.0
Tetrachloroethene	Ave	0.3374	0.3403	0.1500	0.0252	0.0250	0.8	20.0
1,3-Dichloropropane	Ave	0.5124	0.5630		0.0275	0.0250	9.9	20.0
2-Hexanone	Ave	0.3786	0.3959	0.0500	0.0523	0.0500	4.6	50.0
Chlorodibromomethane	Ave	0.2878	0.3039		0.0264	0.0250	5.6	20.0
Ethylene Dibromide	Ave	0.3100	0.3263		0.0263	0.0250	5.2	20.0
Chlorobenzene	Ave	0.8316	0.8695	0.3000	0.0261	0.0250	4.6	20.0
Ethylbenzene	Ave	0.4440	0.4636		0.0261	0.0250	4.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.2724	0.2861		0.0262	0.0250	5.0	20.0
m-Xylene & p-Xylene	Ave	0.5445	0.5768		0.0265	0.0250	5.9	20.0
o-Xylene	Ave	0.5285	0.5631		0.0266	0.0250	6.6	20.0
Styrene	Ave	0.8720	0.9439	0.3000	0.0271	0.0250	8.2	20.0
Bromoform	Ave	0.2033	0.2076	0.1000	0.0255	0.0250	2.1	20.0
Isopropylbenzene	Ave	1.356	1.430	0.1000	0.0264	0.0250	5.4	20.0
Bromobenzene	Ave	0.6454	0.6761		0.0262	0.0250	4.8	20.0
1,1,2,2-Tetrachloroethane	Ave	0.8691	0.8951	0.3000	0.0257	0.0250	3.0	20.0
N-Propylbenzene	Ave	0.6954	0.7161		0.0257	0.0250	3.0	20.0
1,2,3-Trichloropropane	Ave	0.2933	0.3055		0.0260	0.0250	4.1	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2179	0.2172		0.0249	0.0250	-0.3	20.0
2-Chlorotoluene	Ave	0.6070	0.6364		0.0262	0.0250	4.8	20.0
1,3,5-Trimethylbenzene	Ave	2.125	2.187		0.0257	0.0250	3.0	20.0
4-Chlorotoluene	Ave	0.6172	0.6531		0.0265	0.0250	5.8	20.0
tert-Butylbenzene	Ave	1.825	1.876		0.0257	0.0250	2.8	20.0
1,2,4-Trimethylbenzene	Ave	2.139	2.293		0.0268	0.0250	7.2	20.0
sec-Butylbenzene	Ave	2.622	2.687		0.0256	0.0250	2.5	20.0
4-Isopropyltoluene	Ave	2.240	2.317		0.0259	0.0250	3.4	20.0
1,3-Dichlorobenzene	Ave	1.211	1.262	0.6000	0.0261	0.0250	4.3	20.0
1,4-Dichlorobenzene	Ave	1.220	1.261	0.5000	0.0258	0.0250	3.3	20.0
n-Butylbenzene	Ave	1.982	2.037		0.0257	0.0250	2.8	20.0
1,2-Dichlorobenzene	Ave	1.163	1.233	0.4000	0.0265	0.0250	6.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
 SDG No.: _____
 Lab Sample ID: CCVIS 240-591927/3 Calibration Date: 10/24/2023 02:23
 Instrument ID: A3UX22 Calib Start Date: 09/06/2023 13:11
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 09/06/2023 16:22
 Lab File ID: 225380.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	0.2333	0.2329	0.0500	0.0250	0.0250	-0.2	50.0
1,2,4-Trichlorobenzene	Ave	0.7853	0.7667	0.2000	0.0244	0.0250	-2.4	50.0
Hexachlorobutadiene	Ave	0.3344	0.3015		0.0225	0.0250	-9.8	50.0
Naphthalene	Ave	2.471	2.451		0.0248	0.0250	-0.8	50.0
1,2,3-Trichlorobenzene	Ave	0.7337	0.7478		0.0255	0.0250	1.9	20.0
Dibromofluoromethane (Surr)	Ave	0.2606	0.2372		0.0228	0.0250	-9.0	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2790	0.2694		0.0241	0.0250	-3.5	20.0
Toluene-d8 (Surr)	Ave	1.328	1.273		0.0240	0.0250	-4.1	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4806	0.4496		0.0234	0.0250	-6.4	20.0

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231023-134987.b\225380.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 24-Oct-2023 02:23:37 ALS Bottle#: 0 Worklist Smp#: 3
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134987-003
 Operator ID: 002808 Instrument ID: A3UX22
 Sublist: chrom-8260_22*sub1
 Method: \\chromfs\Canton\ChromData\A3UX22\20231023-134987.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 24-Oct-2023 13:04:20 Calib Date: 11-Sep-2023 18:19:34
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1634

First Level Reviewer: PHN3

Date: 24-Oct-2023 11:51:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.251	7.251	0.000	99	1214423	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.394	0.000	88	858451	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	95	466431	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	288086	25.0	22.8	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	327133	25.0	24.1	
\$ 6 Toluene-d8 (Surr)	98	8.983	8.983	0.000	95	1093098	25.0	24.0	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.425	11.425	0.000	89	385944	25.0	23.4	
9 Dichlorodifluoromethane	85	1.239	1.239	0.000	100	179962	12.5	13.1	
10 Chloromethane	50	1.429	1.429	0.000	99	200316	12.5	13.4	
12 Vinyl chloride	62	1.523	1.523	0.000	99	188268	12.5	13.8	
11 Butadiene	54	1.547	1.547	0.000	97	205623	12.5	15.6	
13 Bromomethane	94	1.855	1.855	0.000	92	82021	12.5	13.8	
15 Chloroethane	64	1.962	1.962	0.000	99	110499	12.5	15.2	
17 Trichlorofluoromethane	101	2.199	2.199	0.000	100	224755	12.5	13.7	
16 Dichlorofluoromethane	67	2.223	2.223	0.000	98	301207	12.5	15.9	
18 Ethyl ether	59	2.591	2.591	0.000	94	225767	25.0	25.1	
21 1,1,2-Trichloro-1,2,2-trifluoro	101	2.828	2.828	0.000	94	224311	25.0	21.9	
19 Acrolein	56	2.840	2.840	0.000	99	128942	125.0	82.5	
20 1,1-Dichloroethene	96	2.852	2.852	0.000	96	217447	25.0	23.7	
22 Acetone	43	3.065	3.065	0.000	99	326480	50.0	48.4	
24 Iodomethane	142	3.077	3.077	0.000	99	225242	25.0	18.6	
25 Carbon disulfide	76	3.101	3.101	0.000	100	579717	25.0	21.8	
27 3-Chloro-1-propene	41	3.409	3.409	0.000	90	375551	25.0	23.8	
28 Methyl acetate	43	3.492	3.492	0.000	98	767770	50.0	46.9	
29 Methylene Chloride	84	3.658	3.658	0.000	95	277329	25.0	24.4	
30 2-Methyl-2-propanol	59	3.931	3.931	0.000	97	618704	250.0	221.5	
33 Methyl tert-butyl ether	73	4.002	4.002	0.000	97	802611	25.0	25.0	
32 trans-1,2-Dichloroethene	96	4.002	4.002	0.000	96	264870	25.0	24.8	
31 Acrylonitrile	53	4.204	4.204	0.000	98	1839262	250.0	261.8	
34 Hexane	57	4.358	4.358	0.000	95	313787	25.0	20.4	
35 1,1-Dichloroethane	63	4.844	4.844	0.000	96	507714	25.0	25.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
36 Vinyl acetate	43	4.986	4.986	0.000	97	425912	25.0	24.1	
42 2,2-Dichloropropane	97	5.721	5.721	0.000	89	59704	25.0	20.7	
41 cis-1,2-Dichloroethene	96	5.793	5.793	0.000	82	302279	25.0	25.9	
40 2-Butanone (MEK)	72	5.887	5.887	0.000	100	125836	50.0	49.2	
46 Chlorobromomethane	49	6.125	6.125	0.000	86	233636	25.0	25.3	
47 Tetrahydrofuran	42	6.136	6.136	0.000	87	333238	50.0	46.7	
48 Chloroform	83	6.255	6.255	0.000	94	502415	25.0	26.0	
50 Cyclohexane	84	6.350	6.350	0.000	92	377579	25.0	22.9	
49 1,1,1-Trichloroethane	97	6.397	6.397	0.000	98	406690	25.0	25.4	
52 Carbon tetrachloride	117	6.552	6.552	0.000	97	343224	25.0	25.4	
51 1,1-Dichloropropene	75	6.623	6.623	0.000	96	390975	25.0	25.4	
54 Benzene	78	6.860	6.860	0.000	97	1121229	25.0	25.4	
53 Isobutyl alcohol	41	6.955	6.955	0.000	93	504651	625.0	604.6	
55 1,2-Dichloroethane	62	7.014	7.014	0.000	98	399007	25.0	26.0	
57 n-Heptane	100	7.144	7.144	0.000	91	60125	25.0	21.6	
59 Trichloroethene	130	7.666	7.666	0.000	97	302179	25.0	24.7	
61 Methylcyclohexane	83	7.773	7.773	0.000	91	410159	25.0	22.8	
62 1,2-Dichloropropane	63	7.975	7.975	0.000	93	286890	25.0	25.3	
64 Dibromomethane	174	8.105	8.105	0.000	95	198922	25.0	25.3	
65 1,4-Dioxane	88	8.117	8.117	0.000	96	122697	500.0	408.8	
66 Dichlorobromomethane	83	8.283	8.283	0.000	99	350073	25.0	25.7	
68 2-Chloroethyl vinyl ether	63	8.650	8.650	0.000	92	428528	50.0	47.5	
69 cis-1,3-Dichloropropene	75	8.769	8.769	0.000	95	403065	25.0	25.3	
70 4-Methyl-2-pentanone (MIBK)	43	8.947	8.947	0.000	95	891954	50.0	49.3	
71 Toluene	91	9.054	9.054	0.000	98	1190466	25.0	26.5	
72 trans-1,3-Dichloropropene	75	9.374	9.374	0.000	97	359046	25.0	26.9	
73 Ethyl methacrylate	69	9.421	9.421	0.000	91	395931	25.0	26.3	
74 1,1,2-Trichloroethane	97	9.552	9.552	0.000	94	269157	25.0	26.9	
75 Tetrachloroethene	166	9.564	9.564	0.000	98	292088	25.0	25.2	
76 1,3-Dichloropropane	76	9.706	9.706	0.000	92	483335	25.0	27.5	
77 2-Hexanone	43	9.777	9.777	0.000	97	679717	50.0	52.3	
79 Chlorodibromomethane	129	9.884	9.884	0.000	90	260848	25.0	26.4	
81 Ethylene Dibromide	107	9.991	9.991	0.000	98	280081	25.0	26.3	
83 Chlorobenzene	112	10.417	10.417	0.000	94	746436	25.0	26.1	
85 Ethylbenzene	106	10.500	10.500	0.000	99	397941	25.0	26.1	
84 1,1,1,2-Tetrachloroethane	131	10.512	10.512	0.000	94	245566	25.0	26.2	
86 m-Xylene & p-Xylene	106	10.607	10.607	0.000	100	495149	25.0	26.5	
87 o-Xylene	106	10.951	10.951	0.000	98	483410	25.0	26.6	
88 Styrene	104	10.975	10.975	0.000	95	810310	25.0	27.1	
89 Bromoform	173	11.165	11.165	0.000	98	178191	25.0	25.5	
90 Isopropylbenzene	105	11.259	11.259	0.000	96	1227514	25.0	26.4	
95 Bromobenzene	156	11.556	11.556	0.000	94	315340	25.0	26.2	
93 1,1,2,2-Tetrachloroethane	83	11.580	11.580	0.000	95	417518	25.0	25.7	
98 N-Propylbenzene	120	11.603	11.603	0.000	99	334012	25.0	25.7	
96 1,2,3-Trichloropropane	110	11.627	11.627	0.000	87	142489	25.0	26.0	
97 trans-1,4-Dichloro-2-butene	53	11.639	11.639	0.000	82	101323	25.0	24.9	
100 2-Chlorotoluene	126	11.698	11.698	0.000	96	296829	25.0	26.2	
101 1,3,5-Trimethylbenzene	105	11.757	11.757	0.000	94	1020263	25.0	25.7	
102 4-Chlorotoluene	126	11.805	11.805	0.000	97	304607	25.0	26.5	
103 tert-Butylbenzene	119	12.018	12.018	0.000	94	875080	25.0	25.7	
105 1,2,4-Trimethylbenzene	105	12.066	12.066	0.000	97	1069330	25.0	26.8	
106 sec-Butylbenzene	105	12.196	12.196	0.000	95	1253384	25.0	25.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
108 4-Isopropyltoluene	119	12.315	12.315	0.000	97	1080639	25.0	25.9	
107 1,3-Dichlorobenzene	146	12.327	12.327	0.000	98	588709	25.0	26.1	
109 1,4-Dichlorobenzene	146	12.410	12.410	0.000	96	588238	25.0	25.8	
112 n-Butylbenzene	91	12.647	12.647	0.000	98	950293	25.0	25.7	
113 1,2-Dichlorobenzene	146	12.706	12.706	0.000	97	574922	25.0	26.5	
114 1,2-Dibromo-3-Chloropropane	157	13.358	13.358	0.000	88	108616	25.0	25.0	
116 1,2,4-Trichlorobenzene	180	13.975	13.975	0.000	94	357623	25.0	24.4	
117 Hexachlorobutadiene	225	14.058	14.058	0.000	98	140649	25.0	22.5	
118 Naphthalene	128	14.177	14.177	0.000	97	1143429	25.0	24.8	
119 1,2,3-Trichlorobenzene	180	14.366	14.366	0.000	96	348779	25.0	25.5	
S 125 Trihalomethanes, Total	1				0		100.0	103.7	
S 124 Total BTEX	1				0		125.0	131.2	
S 128 Xylenes, Total	106				0		50.0	53.1	

QC Flag Legend

Processing Flags

Reagents:

VMAROLISTDW_00506	Amount Added: 20.00	Units: uL	
VMRGAS_00498	Amount Added: 10.00	Units: uL	
VMRPRIMW_00554	Amount Added: 20.00	Units: uL	
vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm25UX18IS_00009	Amount Added: 5.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231023-134987.b\225380.D

Injection Date: 24-Oct-2023 02:23:37

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: ccvis

Worklist Smp#: 3

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

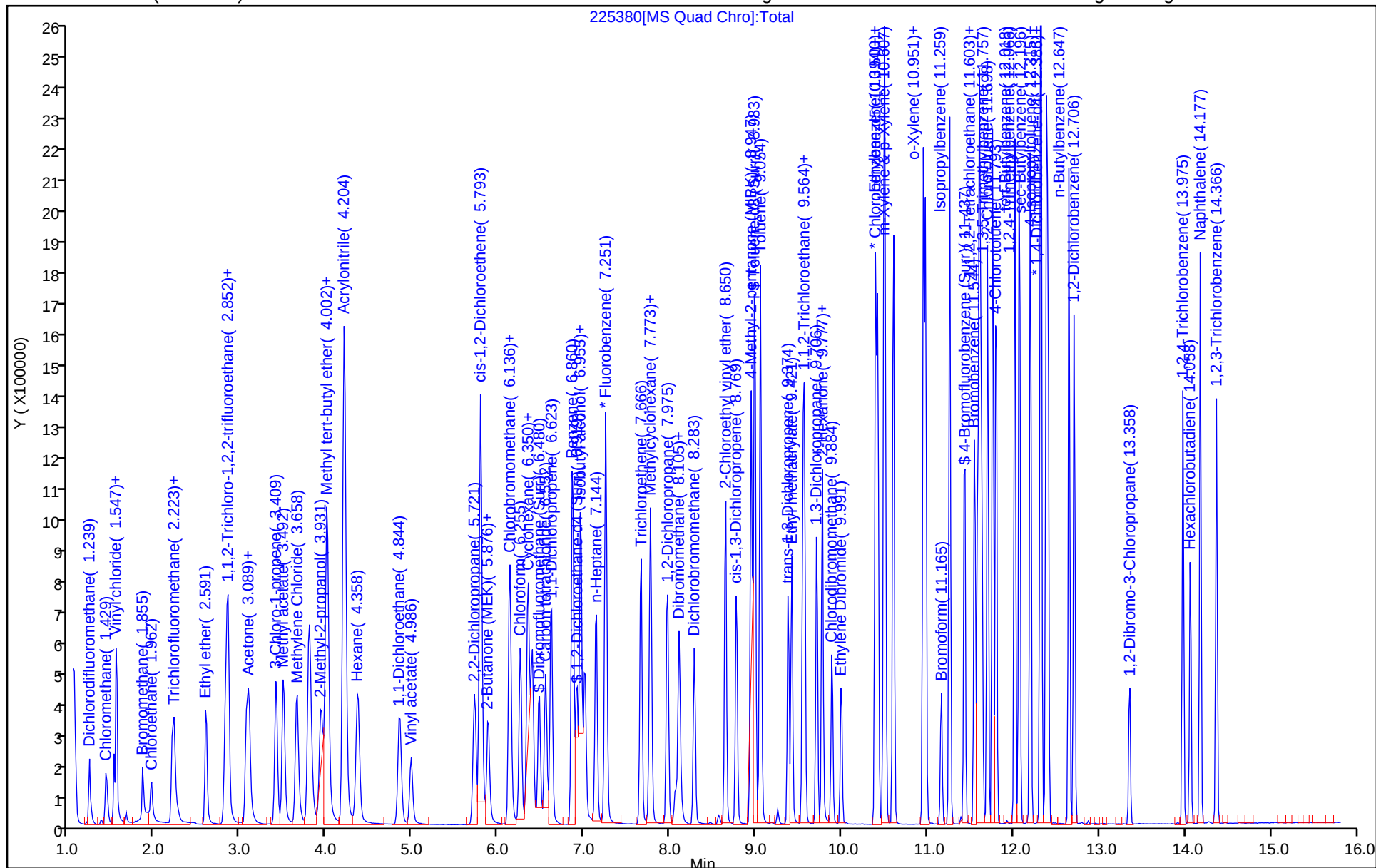
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Lab Sample ID: ICV 240-582961/13 Calibration Date: 08/04/2023 20:00

Instrument ID: A3UX23 Calib Start Date: 08/04/2023 15:49

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 08/04/2023 19:09

Lab File ID: 236438.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	0.3256	0.3152	0.1000	0.0121	0.0125	-3.2	30.0
Chloromethane	Ave	0.4696	0.4480	0.1000	0.0119	0.0125	-4.6	30.0
Vinyl chloride	Ave	0.3263	0.3293	0.1000	0.0126	0.0125	0.9	30.0
Butadiene	Ave	0.4356	0.4273		0.0123	0.0125	-1.9	30.0
Bromomethane	Ave	0.1788	0.1820	0.0500	0.0127	0.0125	1.8	30.0
Chloroethane	Ave	0.1997	0.1976	0.0500	0.0124	0.0125	-1.0	30.0
Dichlorofluoromethane	Ave	0.3740	0.4506		0.0151	0.0125	20.5	30.0
Trichlorofluoromethane	Ave	0.3254	0.3401	0.1000	0.0131	0.0125	4.5	30.0
Ethyl ether	Ave	0.2728	0.2682		0.0246	0.0250	-1.7	30.0
Acrolein	Ave	0.0172	0.0262		0.191	0.125	53.0*	30.0
1,1-Dichloroethene	Ave	0.2146	0.2129	0.1000	0.0248	0.0250	-0.8	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1772	0.1783	0.0500	0.0252	0.0250	0.6	30.0
Acetone	Lin1		0.0458	0.0100	0.0598	0.0500	19.6	50.0
Iodomethane	Ave	0.3420	0.3538		0.0259	0.0250	3.5	30.0
Carbon disulfide	Ave	0.6628	0.6980	0.1000	0.0263	0.0250	5.3	30.0
3-Chloro-1-propene	Ave	0.6206	0.5906		0.0238	0.0250	-4.8	30.0
Methyl acetate	Ave	0.3965	0.3766	0.0500	0.0475	0.0500	-5.0	50.0
Methylene Chloride	Lin1		0.2642	0.1000	0.0259	0.0250	3.6	50.0
2-Methyl-2-propanol	Ave	0.0355	0.0460		0.324	0.250	29.5	30.0
Acrylonitrile	Ave	0.1692	0.1783		0.263	0.250	5.4	30.0
trans-1,2-Dichloroethene	Ave	0.2652	0.2499	0.1000	0.0236	0.0250	-5.8	30.0
Methyl tert-butyl ether	Ave	0.7969	0.7771	0.1000	0.0244	0.0250	-2.5	30.0
Hexane	Ave	0.4143	0.3859		0.0233	0.0250	-6.9	30.0
1,1-Dichloroethane	Ave	0.5249	0.5152	0.2000	0.0245	0.0250	-1.8	30.0
Vinyl acetate	Ave	0.6979	0.7166		0.0257	0.0250	2.7	30.0
2,2-Dichloropropane	Ave	0.0669	0.0674		0.0252	0.0250	0.7	30.0
cis-1,2-Dichloroethene	Ave	0.2943	0.2739	0.1000	0.0233	0.0250	-6.9	30.0
2-Butanone (MEK)	Ave	0.0458	0.0419	0.0100	0.0457	0.0500	-8.5	50.0
Chlorobromomethane	Ave	0.1355	0.1231		0.0227	0.0250	-9.1	30.0
Tetrahydrofuran	Ave	0.1580	0.1508		0.0478	0.0500	-4.5	30.0
Chloroform	Ave	0.4729	0.4495	0.2000	0.0238	0.0250	-4.9	30.0
1,1,1-Trichloroethane	Ave	0.4056	0.3944	0.1000	0.0243	0.0250	-2.8	30.0
Cyclohexane	Ave	0.5318	0.5354	0.1000	0.0252	0.0250	0.7	30.0
1,1-Dichloropropene	Ave	0.3572	0.3299		0.0231	0.0250	-7.7	30.0
Carbon tetrachloride	Ave	0.3532	0.3301	0.1000	0.0234	0.0250	-6.5	30.0
Benzene	Ave	1.065	0.997	0.5000	0.0234	0.0250	-6.4	30.0
1,2-Dichloroethane	Ave	0.4522	0.4256	0.1000	0.0235	0.0250	-5.9	30.0
Isobutyl alcohol	Ave	0.0162	0.0178		0.686	0.625	9.8	30.0
n-Heptane	Ave	0.0541	0.0499		0.0231	0.0250	-7.7	30.0
Trichloroethene	Ave	0.2692	0.2419	0.1500	0.0225	0.0250	-10.2	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Lab Sample ID: ICV 240-582961/13 Calibration Date: 08/04/2023 20:00

Instrument ID: A3UX23 Calib Start Date: 08/04/2023 15:49

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 08/04/2023 19:09

Lab File ID: 236438.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	0.4097	0.4000	0.1000	0.0244	0.0250	-2.4	30.0
1,2-Dichloropropane	Ave	0.2866	0.2682	0.1000	0.0234	0.0250	-6.4	30.0
Dibromomethane	Ave	0.1601	0.1552		0.0242	0.0250	-3.1	30.0
1,4-Dioxane	Ave	0.0026	0.0027		0.534	0.500	6.8	50.0
Dichlorobromomethane	Ave	0.3405	0.3121	0.1500	0.0229	0.0250	-8.4	30.0
2-Chloroethyl vinyl ether	Ave	0.2044	0.1810		0.0221	0.0250	-11.5	30.0
cis-1,3-Dichloropropene	Ave	0.4039	0.3574	0.1500	0.0221	0.0250	-11.5	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.4539	0.4545	0.0500	0.0501	0.0500	0.1	50.0
Toluene	Ave	1.542	1.373	0.4000	0.0223	0.0250	-10.9	30.0
trans-1,3-Dichloropropene	Ave	0.5141	0.4811	0.1000	0.0234	0.0250	-6.4	30.0
Ethyl methacrylate	Ave	0.4599	0.4214		0.0229	0.0250	-8.4	30.0
1,1,2-Trichloroethane	Ave	0.3156	0.2978	0.1000	0.0236	0.0250	-5.6	30.0
Tetrachloroethene	Ave	0.2625	0.2451	0.1500	0.0233	0.0250	-6.6	30.0
1,3-Dichloropropane	Ave	0.5592	0.5177		0.0231	0.0250	-7.4	30.0
2-Hexanone	Ave	0.4253	0.4060	0.0500	0.0477	0.0500	-4.5	50.0
Chlorodibromomethane	Ave	0.3253	0.3156		0.0243	0.0250	-3.0	30.0
Ethylene Dibromide	Ave	0.3237	0.2973		0.0230	0.0250	-8.1	30.0
Chlorobenzene	Ave	0.9478	0.8633	0.3000	0.0228	0.0250	-8.9	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3277	0.3235		0.0247	0.0250	-1.3	30.0
Ethylbenzene	Ave	0.5284	0.4754		0.0225	0.0250	-10.0	30.0
m-Xylene & p-Xylene	Ave	0.6324	0.5830		0.0230	0.0250	-7.8	30.0
o-Xylene	Ave	0.6359	0.6029		0.0237	0.0250	-5.2	30.0
Styrene	Ave	0.9533	0.8830	0.3000	0.0232	0.0250	-7.4	30.0
Bromoform	Ave	0.1965	0.1876	0.1000	0.0239	0.0250	-4.5	30.0
Isopropylbenzene	Ave	1.577	1.552	0.1000	0.0246	0.0250	-1.5	30.0
Bromobenzene	Ave	0.7743	0.7049		0.0228	0.0250	-9.0	30.0
1,1,2,2-Tetrachloroethane	Ave	0.9329	0.9238	0.3000	0.0248	0.0250	-1.0	30.0
1,2,3-Trichloropropane	Ave	0.3105	0.2993		0.0241	0.0250	-3.6	30.0
trans-1,4-Dichloro-2-butene	Ave	0.3724	0.3237		0.0217	0.0250	-13.1	30.0
N-Propylbenzene	Ave	0.8937	0.8476		0.0237	0.0250	-5.2	30.0
2-Chlorotoluene	Ave	0.7613	0.7448		0.0245	0.0250	-2.2	30.0
1,3,5-Trimethylbenzene	Ave	2.682	2.703		0.0252	0.0250	0.8	30.0
4-Chlorotoluene	Ave	0.7764	0.7099		0.0229	0.0250	-8.6	30.0
tert-Butylbenzene	Ave	2.264	2.271		0.0251	0.0250	0.3	30.0
1,2,4-Trimethylbenzene	Ave	2.790	2.721		0.0244	0.0250	-2.5	30.0
sec-Butylbenzene	Ave	3.145	3.183		0.0253	0.0250	1.2	30.0
1,3-Dichlorobenzene	Ave	1.427	1.328	0.6000	0.0233	0.0250	-6.9	30.0
4-Isopropyltoluene	Ave	2.672	2.661		0.0249	0.0250	-0.4	30.0
1,4-Dichlorobenzene	Ave	1.456	1.357	0.5000	0.0233	0.0250	-6.8	30.0
1,2-Dichlorobenzene	Ave	1.390	1.358	0.4000	0.0244	0.0250	-2.3	30.0
n-Butylbenzene	Ave	2.312	2.267		0.0245	0.0250	-1.9	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
 SDG No.: _____
 Lab Sample ID: ICV 240-582961/13 Calibration Date: 08/04/2023 20:00
 Instrument ID: A3UX23 Calib Start Date: 08/04/2023 15:49
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 08/04/2023 19:09
 Lab File ID: 236438.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	0.1959	0.1872	0.0500	0.0239	0.0250	-4.4	50.0
1,2,4-Trichlorobenzene	Ave	0.8237	0.8526	0.2000	0.0259	0.0250	3.5	50.0
Hexachlorobutadiene	Ave	0.2741	0.2942		0.0268	0.0250	7.3	50.0
Naphthalene	Ave	2.907	3.098		0.0266	0.0250	6.6	50.0
1,2,3-Trichlorobenzene	Ave	0.7651	0.8322		0.0272	0.0250	8.8	30.0
Dibromofluoromethane (Surr)	Ave	0.2196	0.2262		0.0258	0.0250	3.0	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3179	0.3230		0.0254	0.0250	1.6	30.0
Toluene-d8 (Surr)	Ave	1.218	1.228		0.0252	0.0250	0.8	30.0
4-Bromofluorobenzene (Surr)	Ave	0.4873	0.4864		0.0250	0.0250	-0.2	30.0

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236438.D
 Lims ID: icv
 Client ID:
 Sample Type: ICV
 Inject. Date: 04-Aug-2023 20:00:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0132136-013
 Operator ID: Instrument ID: A3UX23
 Sublist:
 Method: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 07-Aug-2023 10:45:53 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1671

First Level Reviewer: SE1B

Date: 05-Aug-2023 11:27:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	769182	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.738	0.000	89	553520	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.058	12.057	0.001	97	265651	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.810	0.000	90	174002	25.0	25.8	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.200	6.188	0.012	97	248433	25.0	25.4	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	96	679753	25.0	25.2	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	85	269216	25.0	25.0	
9 Dichlorodifluoromethane	85	1.266	1.266	0.000	99	121208	12.5	12.1	
10 Chloromethane	50	1.432	1.431	0.001	99	172311	12.5	11.9	
11 Vinyl chloride	62	1.526	1.526	0.000	98	126665	12.5	12.6	
12 Butadiene	54	1.550	1.550	0.000	97	164342	12.5	12.3	
13 Bromomethane	94	1.834	1.834	0.000	91	70004	12.5	12.7	
14 Chloroethane	64	1.917	1.917	0.000	97	75985	12.5	12.4	
15 Dichlorofluoromethane	67	2.130	2.130	0.000	99	173295	12.5	15.1	
16 Trichlorofluoromethane	101	2.177	2.177	0.000	99	130783	12.5	13.1	
17 Ethyl ether	59	2.473	2.473	0.000	97	206301	25.0	24.6	
18 Acrolein	56	2.603	2.603	0.000	99	100915	125.0	191.2	
19 1,1-Dichloroethene	96	2.698	2.698	0.000	94	163735	25.0	24.8	
20 1,1,2-Trichloro-1,2,2-trifluoro	151	2.745	2.745	0.000	95	137183	25.0	25.2	
21 Acetone	58	2.804	2.792	0.012	98	70512	50.0	59.8	
23 Iodomethane	142	2.864	2.875	-0.011	99	272138	25.0	25.9	
24 Carbon disulfide	76	2.923	2.934	-0.011	99	536867	25.0	26.3	
26 3-Chloro-1-propene	41	3.148	3.147	0.001	87	454267	25.0	23.8	
27 Methyl acetate	43	3.230	3.218	0.012	100	579351	50.0	47.5	
28 Methylene Chloride	84	3.313	3.313	0.000	95	203189	25.0	25.9	
29 2-Methyl-2-propanol	59	3.609	3.609	0.000	93	353631	250.0	323.6	
30 Acrylonitrile	53	3.692	3.680	0.012	97	1371090	250.0	263.4	
32 trans-1,2-Dichloroethene	96	3.704	3.703	0.001	93	192201	25.0	23.6	
31 Methyl tert-butyl ether	73	3.763	3.763	0.000	96	597701	25.0	24.4	
33 Hexane	57	4.165	4.165	0.000	96	296800	25.0	23.3	
34 1,1-Dichloroethane	63	4.354	4.354	0.000	98	396301	25.0	24.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 Vinyl acetate	43	4.508	4.508	0.000	97	551212	25.0	25.7	
41 2,2-Dichloropropane	97	5.171	5.171	0.000	88	51820	25.0	25.2	
39 cis-1,2-Dichloroethene	96	5.183	5.183	0.001	91	210667	25.0	23.3	
40 2-Butanone (MEK)	72	5.266	5.265	0.001	98	64393	50.0	45.7	
45 Chlorobromomethane	128	5.479	5.478	0.001	90	94722	25.0	22.7	
46 Tetrahydrofuran	42	5.585	5.585	0.000	93	232059	50.0	47.8	
47 Chloroform	83	5.621	5.608	0.013	99	345785	25.0	23.8	
48 1,1,1-Trichloroethane	97	5.810	5.810	0.000	97	303392	25.0	24.3	
49 Cyclohexane	56	5.857	5.857	0.000	97	411852	25.0	25.2	
51 Carbon tetrachloride	117	6.011	5.999	0.012	96	253925	25.0	23.4	
50 1,1-Dichloropropene	75	6.011	6.011	0.000	89	253718	25.0	23.1	
54 Benzene	78	6.248	6.247	0.001	97	767067	25.0	23.4	
53 1,2-Dichloroethane	62	6.283	6.283	0.000	96	327355	25.0	23.5	
52 Isobutyl alcohol	41	6.307	6.307	0.000	93	342102	625.0	686.5	
56 n-Heptane	100	6.615	6.614	0.001	98	38400	25.0	23.1	
58 Trichloroethene	130	7.005	6.993	0.012	97	186054	25.0	22.5	
60 Methylcyclohexane	83	7.194	7.194	0.000	97	307671	25.0	24.4	
61 1,2-Dichloropropane	63	7.230	7.230	0.000	94	206298	25.0	23.4	
63 Dibromomethane	93	7.360	7.348	0.012	96	119385	25.0	24.2	
64 1,4-Dioxane	88	7.431	7.431	0.000	96	41918	500.0	534.0	
65 Dichlorobromomethane	83	7.549	7.537	0.012	98	240060	25.0	22.9	
67 2-Chloroethyl vinyl ether	63	7.892	7.892	0.000	89	139202	25.0	22.1	
68 cis-1,3-Dichloropropene	75	8.023	8.022	0.001	88	274874	25.0	22.1	
69 4-Methyl-2-pentanone (MIBK)	43	8.212	8.212	0.000	99	699119	50.0	50.1	
70 Toluene	91	8.354	8.354	0.000	97	760143	25.0	22.3	
71 trans-1,3-Dichloropropene	75	8.591	8.590	0.001	96	266311	25.0	23.4	
72 Ethyl methacrylate	69	8.721	8.721	0.000	93	233228	25.0	22.9	
73 1,1,2-Trichloroethane	97	8.768	8.768	0.000	94	164854	25.0	23.6	
75 Tetrachloroethene	164	8.910	8.910	0.000	95	135644	25.0	23.3	
74 1,3-Dichloropropane	76	8.934	8.934	0.000	97	286572	25.0	23.1	
76 2-Hexanone	43	9.052	9.052	0.000	98	449477	50.0	47.7	
78 Chlorodibromomethane	129	9.159	9.158	0.001	90	174688	25.0	24.3	
80 Ethylene Dibromide	107	9.265	9.265	0.000	98	164577	25.0	23.0	
82 Chlorobenzene	112	9.762	9.762	0.000	91	477881	25.0	22.8	
83 1,1,1,2-Tetrachloroethane	131	9.857	9.857	0.001	95	179072	25.0	24.7	
84 Ethylbenzene	106	9.880	9.880	0.000	99	263158	25.0	22.5	
85 m-Xylene & p-Xylene	106	9.999	9.999	0.001	97	322722	25.0	23.0	
86 o-Xylene	106	10.389	10.389	0.000	96	333725	25.0	23.7	
87 Styrene	104	10.401	10.401	0.000	95	488743	25.0	23.2	
88 Bromoform	173	10.579	10.578	0.001	95	103846	25.0	23.9	
89 Isopropylbenzene	105	10.768	10.768	0.000	97	859283	25.0	24.6	
93 Bromobenzene	156	11.052	11.052	0.000	97	187258	25.0	22.8	
92 1,1,2,2-Tetrachloroethane	83	11.064	11.063	0.001	98	245421	25.0	24.8	
95 1,2,3-Trichloropropane	110	11.099	11.099	0.000	91	79497	25.0	24.1	
94 trans-1,4-Dichloro-2-butene	53	11.123	11.123	0.000	78	85987	25.0	21.7	
96 N-Propylbenzene	120	11.170	11.170	0.000	99	225169	25.0	23.7	
97 2-Chlorotoluene	126	11.253	11.253	0.000	96	197863	25.0	24.5	
99 1,3,5-Trimethylbenzene	105	11.348	11.347	0.001	94	717953	25.0	25.2	
100 4-Chlorotoluene	126	11.360	11.359	0.001	99	188589	25.0	22.9	
102 tert-Butylbenzene	119	11.667	11.667	0.000	94	603238	25.0	25.1	
104 1,2,4-Trimethylbenzene	105	11.715	11.714	0.001	98	722798	25.0	24.4	
105 sec-Butylbenzene	105	11.892	11.892	0.000	95	845458	25.0	25.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	11.987	11.986	0.001	97	352675	25.0	23.3	
107 4-Isopropyltoluene	119	12.034	12.034	0.000	97	706936	25.0	24.9	
108 1,4-Dichlorobenzene	146	12.081	12.081	0.000	93	360568	25.0	23.3	
111 n-Butylbenzene	91	12.448	12.448	0.000	97	602277	25.0	24.5	
112 1,2-Dichlorobenzene	146	12.448	12.448	0.000	78	360840	25.0	24.4	
113 1,2-Dibromo-3-Chloropropane	157	13.217	13.217	0.000	75	49718	25.0	23.9	
115 1,2,4-Trichlorobenzene	180	14.046	14.045	0.001	93	226502	25.0	25.9	
116 Hexachlorobutadiene	225	14.235	14.235	0.000	97	78167	25.0	26.8	
117 Naphthalene	128	14.282	14.282	0.000	98	822883	25.0	26.6	
118 1,2,3-Trichlorobenzene	180	14.531	14.531	0.001	95	221077	25.0	27.2	
S 134 Trihalomethanes, Total	1				0		100.0	94.8	
S 158 Total BTEX	1				0		125.0	114.9	
S 133 Xylenes, Total	106				0		50.0	46.8	

QC Flag Legend

Processing Flags

Reagents:

VMFASPW_00503	Amount Added: 20.00	Units: uL	
VMFASAW_00474	Amount Added: 20.00	Units: uL	
VMFASGW_00520	Amount Added: 10.00	Units: uL	
vm125UX21_SS_00007	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00024	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_IS_00050	Amount Added: 1.00	Units: uL	Run Reagent
vmDist_H2o_00237	Amount Added: 0.00	Units:	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236438.D

Injection Date: 04-Aug-2023 20:00:30

Instrument ID: A3UX23

Operator ID:

Lims ID: icv

Worklist Smp#: 13

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

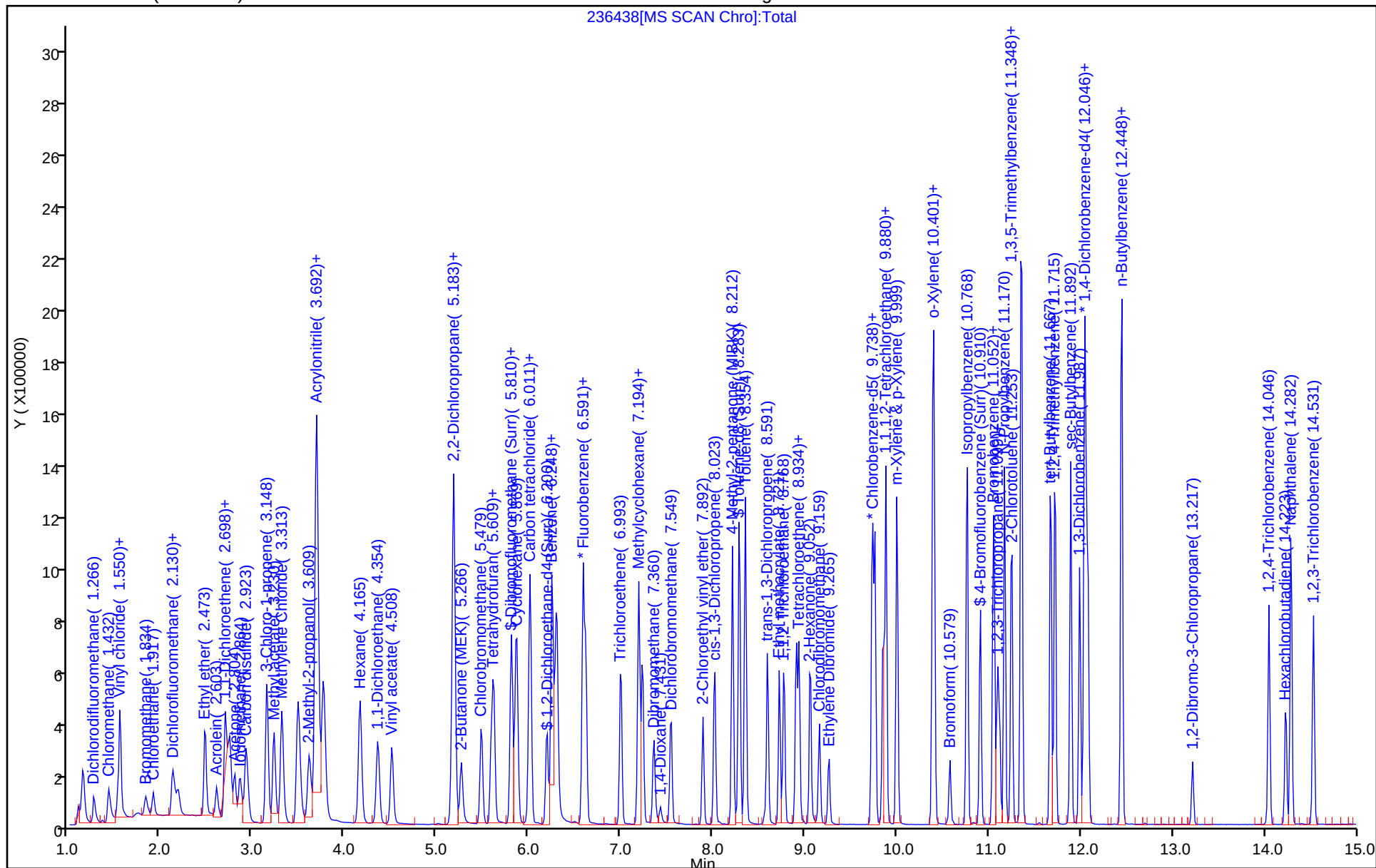
ALS Bottle#: 12

Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Lab Sample ID: CCVIS 240-591496/4 Calibration Date: 10/19/2023 14:28

Instrument ID: A3UX23 Calib Start Date: 08/04/2023 15:49

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 08/04/2023 19:09

Lab File ID: 237966.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	0.3256	0.3594	0.1000	0.0138	0.0125	10.4	20.0
Chloromethane	Ave	0.4696	0.4480	0.1000	0.0119	0.0125	-4.6	20.0
Vinyl chloride	Ave	0.3263	0.2763	0.1000	0.0106	0.0125	-15.3	20.0
Butadiene	Ave	0.4356	0.4295		0.0123	0.0125	-1.4	20.0
Bromomethane	Ave	0.1788	0.1463	0.0500	0.0102	0.0125	-18.2	20.0
Chloroethane	Ave	0.1997	0.1956	0.0500	0.0122	0.0125	-2.0	20.0
Dichlorofluoromethane	Ave	0.3740	0.4286		0.0143	0.0125	14.6	20.0
Trichlorofluoromethane	Ave	0.3254	0.3582	0.1000	0.0138	0.0125	10.1	20.0
Ethyl ether	Ave	0.2728	0.2705		0.0248	0.0250	-0.8	20.0
Acrolein	Ave	0.0172	0.0300		0.219	0.125	75.2*	20.0
1,1-Dichloroethene	Ave	0.2146	0.2125	0.1000	0.0248	0.0250	-1.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1772	0.1810	0.0500	0.0255	0.0250	2.1	20.0
Acetone	Lin1		0.0375	0.0100	0.0486	0.0500	-2.9	50.0
Iodomethane	Ave	0.3420	0.3134		0.0229	0.0250	-8.3	20.0
Carbon disulfide	Ave	0.6628	0.5034	0.1000	0.0190	0.0250	-24.0*	20.0
3-Chloro-1-propene	Ave	0.6206	0.4930		0.0199	0.0250	-20.6*	20.0
Methyl acetate	Ave	0.3965	0.3893	0.0500	0.0491	0.0500	-1.8	50.0
Methylene Chloride	Lin1		0.2556	0.1000	0.0250	0.0250	0.2	50.0
2-Methyl-2-propanol	Ave	0.0355	0.0226		0.159	0.250	-36.4*	20.0
Acrylonitrile	Ave	0.1692	0.1826		0.270	0.250	7.9	20.0
trans-1,2-Dichloroethene	Ave	0.2652	0.2582	0.1000	0.0243	0.0250	-2.7	20.0
Methyl tert-butyl ether	Ave	0.7969	0.6316	0.1000	0.0198	0.0250	-20.8*	20.0
Hexane	Ave	0.4143	0.4216		0.0254	0.0250	1.8	20.0
1,1-Dichloroethane	Ave	0.5249	0.5017	0.2000	0.0239	0.0250	-4.4	20.0
Vinyl acetate	Ave	0.6979	0.5825		0.0209	0.0250	-16.5	20.0
2,2-Dichloropropane	Ave	0.0669	0.0592		0.0221	0.0250	-11.4	20.0
cis-1,2-Dichloroethene	Ave	0.2943	0.2803	0.1000	0.0238	0.0250	-4.8	20.0
2-Butanone (MEK)	Ave	0.0458	0.0425	0.0100	0.0465	0.0500	-7.1	50.0
Chlorobromomethane	Ave	0.1355	0.1335		0.0246	0.0250	-1.5	20.0
Tetrahydrofuran	Ave	0.1580	0.1420		0.0450	0.0500	-10.1	20.0
Chloroform	Ave	0.4729	0.4649	0.2000	0.0246	0.0250	-1.7	20.0
1,1,1-Trichloroethane	Ave	0.4056	0.3647	0.1000	0.0225	0.0250	-10.1	20.0
Cyclohexane	Ave	0.5318	0.5338	0.1000	0.0251	0.0250	0.4	20.0
Carbon tetrachloride	Ave	0.3532	0.3284	0.1000	0.0232	0.0250	-7.0	20.0
1,1-Dichloropropene	Ave	0.3572	0.3542		0.0248	0.0250	-0.9	20.0
Benzene	Ave	1.065	1.108	0.5000	0.0260	0.0250	4.0	20.0
1,2-Dichloroethane	Ave	0.4522	0.4371	0.1000	0.0242	0.0250	-3.3	20.0
Isobutyl alcohol	Ave	0.0162	0.0197		0.761	0.625	21.8*	20.0
n-Heptane	Ave	0.0541	0.0613		0.0284	0.0250	13.4	20.0
Trichloroethene	Ave	0.2692	0.2691	0.1500	0.0250	0.0250	-0.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Lab Sample ID: CCVIS 240-591496/4 Calibration Date: 10/19/2023 14:28

Instrument ID: A3UX23 Calib Start Date: 08/04/2023 15:49

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 08/04/2023 19:09

Lab File ID: 237966.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	0.4097	0.4266	0.1000	0.0260	0.0250	4.1	20.0
1,2-Dichloropropane	Ave	0.2866	0.2958	0.1000	0.0258	0.0250	3.2	20.0
Dibromomethane	Ave	0.1601	0.1632		0.0255	0.0250	2.0	20.0
1,4-Dioxane	Ave	0.0026	0.0030		0.581	0.500	16.1	50.0
Dichlorobromomethane	Ave	0.3405	0.3140	0.1500	0.0231	0.0250	-7.8	20.0
2-Chloroethyl vinyl ether	Ave	0.2044	0.2079		0.0509	0.0500	1.7	20.0
cis-1,3-Dichloropropene	Ave	0.4039	0.3795	0.1500	0.0235	0.0250	-6.1	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.4539	0.4816	0.0500	0.0531	0.0500	6.1	50.0
Toluene	Ave	1.542	1.640	0.4000	0.0266	0.0250	6.4	20.0
trans-1,3-Dichloropropene	Ave	0.5141	0.4715	0.1000	0.0229	0.0250	-8.3	20.0
Ethyl methacrylate	Ave	0.4599	0.4736		0.0257	0.0250	3.0	20.0
1,1,2-Trichloroethane	Ave	0.3156	0.3442	0.1000	0.0273	0.0250	9.0	20.0
Tetrachloroethene	Ave	0.2625	0.2900	0.1500	0.0276	0.0250	10.5	20.0
1,3-Dichloropropane	Ave	0.5592	0.5939		0.0265	0.0250	6.2	20.0
2-Hexanone	Ave	0.4253	0.4759	0.0500	0.0559	0.0500	11.9	50.0
Chlorodibromomethane	Ave	0.3253	0.3162		0.0243	0.0250	-2.8	20.0
Ethylene Dibromide	Ave	0.3237	0.3445		0.0266	0.0250	6.4	20.0
Chlorobenzene	Ave	0.9478	1.015	0.3000	0.0268	0.0250	7.1	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3277	0.3355		0.0256	0.0250	2.4	20.0
Ethylbenzene	Ave	0.5284	0.5556		0.0263	0.0250	5.1	20.0
m-Xylene & p-Xylene	Ave	0.6324	0.6834		0.0270	0.0250	8.1	20.0
o-Xylene	Ave	0.6359	0.6611		0.0260	0.0250	4.0	20.0
Styrene	Ave	0.9533	1.122	0.3000	0.0294	0.0250	17.7	20.0
Bromoform	Ave	0.1965	0.1838	0.1000	0.0234	0.0250	-6.5	20.0
Isopropylbenzene	Ave	1.577	1.656	0.1000	0.0263	0.0250	5.0	20.0
Bromobenzene	Ave	0.7743	0.7654		0.0247	0.0250	-1.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9329	0.9427	0.3000	0.0253	0.0250	1.1	20.0
1,2,3-Trichloropropane	Ave	0.3105	0.3082		0.0248	0.0250	-0.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3724	0.3634		0.0244	0.0250	-2.4	20.0
N-Propylbenzene	Ave	0.8937	0.9204		0.0257	0.0250	3.0	20.0
2-Chlorotoluene	Ave	0.7613	0.7635		0.0251	0.0250	0.3	20.0
1,3,5-Trimethylbenzene	Ave	2.682	2.725		0.0254	0.0250	1.6	20.0
4-Chlorotoluene	Ave	0.7764	0.8113		0.0261	0.0250	4.5	20.0
tert-Butylbenzene	Ave	2.264	2.253		0.0249	0.0250	-0.5	20.0
1,2,4-Trimethylbenzene	Ave	2.790	2.788		0.0250	0.0250	-0.0	20.0
sec-Butylbenzene	Ave	3.145	3.183		0.0253	0.0250	1.2	20.0
1,3-Dichlorobenzene	Ave	1.427	1.432	0.6000	0.0251	0.0250	0.4	20.0
4-Isopropyltoluene	Ave	2.672	2.760		0.0258	0.0250	3.3	20.0
1,4-Dichlorobenzene	Ave	1.456	1.499	0.5000	0.0257	0.0250	3.0	20.0
1,2-Dichlorobenzene	Ave	1.390	1.370	0.4000	0.0246	0.0250	-1.4	20.0
n-Butylbenzene	Ave	2.312	2.291		0.0248	0.0250	-0.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
 SDG No.: _____
 Lab Sample ID: CCVIS 240-591496/4 Calibration Date: 10/19/2023 14:28
 Instrument ID: A3UX23 Calib Start Date: 08/04/2023 15:49
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 08/04/2023 19:09
 Lab File ID: 237966.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	0.1959	0.1538	0.0500	0.0196	0.0250	-21.5	50.0
1,2,4-Trichlorobenzene	Ave	0.8237	0.5994	0.2000	0.0182	0.0250	-27.2	50.0
Hexachlorobutadiene	Ave	0.2741	0.2419		0.0221	0.0250	-11.8	50.0
Naphthalene	Ave	2.907	2.344		0.0202	0.0250	-19.4	50.0
1,2,3-Trichlorobenzene	Ave	0.7651	0.6062		0.0198	0.0250	-20.8*	20.0
Dibromofluoromethane (Surr)	Ave	0.2196	0.2418		0.0275	0.0250	10.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3179	0.3383		0.0266	0.0250	6.4	20.0
Toluene-d8 (Surr)	Ave	1.218	1.369		0.0281	0.0250	12.4	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4873	0.4905		0.0252	0.0250	0.7	20.0

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\237966.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 19-Oct-2023 14:28:30 ALS Bottle#: 2 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134843-004
 Operator ID: Instrument ID: A3UX23
 Sublist: chrom-8260_23*sub1
 Method: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 20-Oct-2023 17:44:50 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1630

First Level Reviewer: PHN3

Date: 20-Oct-2023 17:44:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	742639	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.738	0.000	87	545744	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.057	12.057	0.000	97	284995	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.810	0.000	79	179546	25.0	27.5	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.188	6.188	0.000	97	251263	25.0	26.6	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	95	747372	25.0	28.1	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	88	267697	25.0	25.2	
9 Dichlorodifluoromethane	85	1.266	1.266	0.000	99	133458	12.5	13.8	
10 Chloromethane	50	1.431	1.431	0.000	100	166364	12.5	11.9	
11 Vinyl chloride	62	1.526	1.526	0.000	99	102579	12.5	10.6	
12 Butadiene	54	1.550	1.550	0.000	97	159479	12.5	12.3	
13 Bromomethane	94	1.834	1.834	0.000	91	54333	12.5	10.2	
14 Chloroethane	64	1.917	1.917	0.000	96	72620	12.5	12.2	
15 Dichlorofluoromethane	67	2.118	2.118	0.000	99	159131	12.5	14.3	
16 Trichlorofluoromethane	101	2.177	2.177	0.000	98	133021	12.5	13.8	
17 Ethyl ether	59	2.461	2.461	0.000	96	200852	25.0	24.8	
18 Acrolein	56	2.591	2.591	0.000	99	111564	125.0	219.0	
19 1,1-Dichloroethene	96	2.686	2.686	0.000	94	157831	25.0	24.8	
20 1,1,2-Trichloro-1,2,2-trifluoro	151	2.745	2.745	0.000	93	134417	25.0	25.5	
21 Acetone	58	2.792	2.792	0.000	98	55716	50.0	48.6	
23 Iodomethane	142	2.851	2.851	0.000	99	232766	25.0	22.9	
24 Carbon disulfide	76	2.922	2.922	0.000	99	373858	25.0	19.0	
26 3-Chloro-1-propene	41	3.135	3.135	0.000	88	366137	25.0	19.9	
27 Methyl acetate	43	3.218	3.218	0.000	100	578225	50.0	49.1	
28 Methylene Chloride	84	3.301	3.301	0.000	95	189839	25.0	25.0	
29 2-Methyl-2-propanol	59	3.585	3.585	0.000	86	167777	250.0	159.0	
30 Acrylonitrile	53	3.680	3.680	0.000	97	1355701	250.0	269.7	
32 trans-1,2-Dichloroethene	96	3.692	3.692	0.000	94	191713	25.0	24.3	
31 Methyl tert-butyl ether	73	3.751	3.751	0.000	92	469025	25.0	19.8	
33 Hexane	57	4.153	4.153	0.000	96	313107	25.0	25.4	
34 1,1-Dichloroethane	63	4.342	4.342	0.000	98	372603	25.0	23.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 Vinyl acetate	43	4.496	4.496	0.000	97	432556	25.0	20.9	
41 2,2-Dichloropropane	97	5.171	5.171	0.000	88	43992	25.0	22.1	
39 cis-1,2-Dichloroethene	96	5.171	5.171	0.000	65	208136	25.0	23.8	
40 2-Butanone (MEK)	72	5.254	5.254	0.000	98	63159	50.0	46.5	
45 Chlorobromomethane	128	5.478	5.478	0.000	92	99133	25.0	24.6	
46 Tetrahydrofuran	42	5.573	5.573	0.000	92	210945	50.0	45.0	
47 Chloroform	83	5.609	5.609	0.000	99	345275	25.0	24.6	
48 1,1,1-Trichloroethane	97	5.798	5.798	0.000	97	270839	25.0	22.5	
49 Cyclohexane	56	5.857	5.857	0.000	96	396384	25.0	25.1	
51 Carbon tetrachloride	117	5.999	5.999	0.000	97	243873	25.0	23.2	
50 1,1-Dichloropropene	75	6.011	6.011	0.000	91	263021	25.0	24.8	
54 Benzene	78	6.247	6.247	0.000	98	822566	25.0	26.0	
53 1,2-Dichloroethane	62	6.283	6.283	0.000	96	324618	25.0	24.2	
52 Isobutyl alcohol	41	6.295	6.295	0.000	93	366200	625.0	761.1	
56 n-Heptane	100	6.614	6.614	0.000	97	45550	25.0	28.4	
58 Trichloroethene	130	6.993	6.993	0.000	97	199826	25.0	25.0	
60 Methylcyclohexane	83	7.194	7.194	0.000	97	316793	25.0	26.0	
61 1,2-Dichloropropane	63	7.230	7.230	0.000	95	219651	25.0	25.8	
63 Dibromomethane	93	7.348	7.348	0.000	96	121232	25.0	25.5	
64 1,4-Dioxane	88	7.419	7.419	0.000	96	44002	500.0	580.5	
65 Dichlorobromomethane	83	7.537	7.537	0.000	98	233222	25.0	23.1	
67 2-Chloroethyl vinyl ether	63	7.892	7.892	0.000	90	308801	50.0	50.9	
68 cis-1,3-Dichloropropene	75	8.011	8.011	0.000	90	281839	25.0	23.5	
69 4-Methyl-2-pentanone (MIBK)	43	8.212	8.212	0.000	99	715274	50.0	53.1	
70 Toluene	91	8.354	8.354	0.000	97	895158	25.0	26.6	
71 trans-1,3-Dichloropropene	75	8.590	8.590	0.000	98	257327	25.0	22.9	
72 Ethyl methacrylate	69	8.721	8.721	0.000	95	258441	25.0	25.7	
73 1,1,2-Trichloroethane	97	8.768	8.768	0.000	94	187838	25.0	27.3	
75 Tetrachloroethene	164	8.910	8.910	0.000	98	158258	25.0	27.6	
74 1,3-Dichloropropane	76	8.934	8.934	0.000	98	324112	25.0	26.5	
76 2-Hexanone	43	9.052	9.052	0.000	98	519390	50.0	55.9	
78 Chlorodibromomethane	129	9.158	9.158	0.000	90	172554	25.0	24.3	
80 Ethylene Dibromide	107	9.253	9.253	0.000	98	188002	25.0	26.6	
82 Chlorobenzene	112	9.762	9.762	0.000	93	553836	25.0	26.8	
83 1,1,1,2-Tetrachloroethane	131	9.845	9.845	0.000	94	183081	25.0	25.6	
84 Ethylbenzene	106	9.880	9.880	0.000	98	303226	25.0	26.3	
85 m-Xylene & p-Xylene	106	9.999	9.999	0.000	97	372947	25.0	27.0	
86 o-Xylene	106	10.389	10.389	0.000	97	360817	25.0	26.0	
87 Styrene	104	10.401	10.401	0.000	94	612085	25.0	29.4	
88 Bromoform	173	10.578	10.578	0.000	96	100317	25.0	23.4	
89 Isopropylbenzene	105	10.768	10.768	0.000	96	903675	25.0	26.3	
93 Bromobenzene	156	11.052	11.052	0.000	96	218132	25.0	24.7	
92 1,1,2,2-Tetrachloroethane	83	11.063	11.063	0.000	95	268668	25.0	25.3	
95 1,2,3-Trichloropropane	110	11.099	11.099	0.000	90	87848	25.0	24.8	
94 trans-1,4-Dichloro-2-butene	53	11.123	11.123	0.000	84	103571	25.0	24.4	
96 N-Propylbenzene	120	11.170	11.170	0.000	99	262323	25.0	25.7	
97 2-Chlorotoluene	126	11.253	11.253	0.000	97	217599	25.0	25.1	
99 1,3,5-Trimethylbenzene	105	11.347	11.347	0.000	94	776591	25.0	25.4	
100 4-Chlorotoluene	126	11.359	11.359	0.000	98	231213	25.0	26.1	
102 tert-Butylbenzene	119	11.667	11.667	0.000	95	642050	25.0	24.9	
104 1,2,4-Trimethylbenzene	105	11.714	11.714	0.000	97	794532	25.0	25.0	
105 sec-Butylbenzene	105	11.892	11.892	0.000	95	907161	25.0	25.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	11.986	11.986	0.000	98	408044	25.0	25.1	
107 4-Isopropyltoluene	119	12.034	12.034	0.000	97	786723	25.0	25.8	
108 1,4-Dichlorobenzene	146	12.081	12.081	0.000	94	427179	25.0	25.7	
111 n-Butylbenzene	91	12.448	12.448	0.000	97	652885	25.0	24.8	
112 1,2-Dichlorobenzene	146	12.448	12.448	0.000	95	390505	25.0	24.6	
113 1,2-Dibromo-3-Chloropropane	157	13.217	13.217	0.000	76	43842	25.0	19.6	
115 1,2,4-Trichlorobenzene	180	14.045	14.045	0.000	94	170833	25.0	18.2	
116 Hexachlorobutadiene	225	14.235	14.235	0.000	98	68933	25.0	22.1	
117 Naphthalene	128	14.282	14.282	0.000	98	668060	25.0	20.2	
118 1,2,3-Trichlorobenzene	180	14.531	14.531	0.000	95	172771	25.0	19.8	
S 134 Trihalomethanes, Total	1				0		100.0	95.3	
S 158 Total BTEX	1				0		125.0	131.9	
S 133 Xylenes, Total	106				0		50.0	53.0	

QC Flag Legend

Processing Flags

Reagents:

VMRPRIMW_00554	Amount Added: 20.00	Units: uL	
VMRGAS_00498	Amount Added: 10.00	Units: uL	
VMAROLISTDW_00506	Amount Added: 20.00	Units: uL	
vm125UX21_IS_00057	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_SS_00009	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\237966.D

Injection Date: 19-Oct-2023 14:28:30

Instrument ID: A3UX23

Operator ID:

Lims ID: ccvis

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

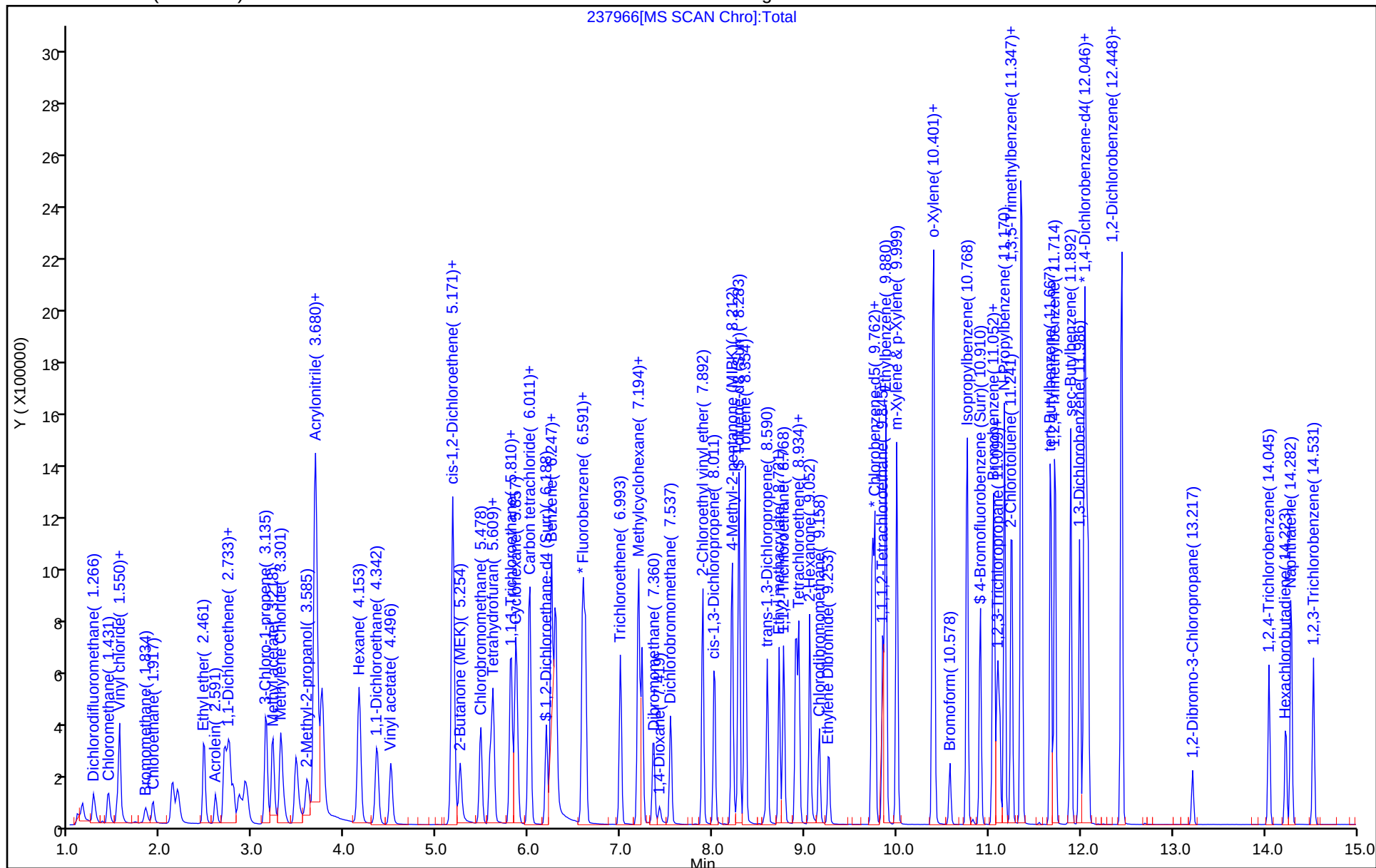
ALS Bottle#: 2

Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Lab Sample ID: CCVIS 240-591677/4 Calibration Date: 10/20/2023 14:20

Instrument ID: A3UX23 Calib Start Date: 08/04/2023 15:49

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 08/04/2023 19:09

Lab File ID: 237994.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	0.3256	0.3401	0.1000	0.0131	0.0125	4.5	20.0
Chloromethane	Ave	0.4696	0.4565	0.1000	0.0122	0.0125	-2.8	20.0
Vinyl chloride	Ave	0.3263	0.2964	0.1000	0.0114	0.0125	-9.2	20.0
Butadiene	Ave	0.4356	0.4228		0.0121	0.0125	-2.9	20.0
Bromomethane	Ave	0.1788	0.1717	0.0500	0.0120	0.0125	-4.0	20.0
Chloroethane	Ave	0.1997	0.1978	0.0500	0.0124	0.0125	-0.9	20.0
Dichlorofluoromethane	Ave	0.3740	0.4427		0.0148	0.0125	18.4	20.0
Trichlorofluoromethane	Ave	0.3254	0.3489	0.1000	0.0134	0.0125	7.2	20.0
Ethyl ether	Ave	0.2728	0.2683		0.0246	0.0250	-1.6	20.0
Acrolein	Ave	0.0172	0.0301		0.219	0.125	75.5*	20.0
1,1-Dichloroethene	Ave	0.2146	0.2065	0.1000	0.0241	0.0250	-3.8	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1772	0.1787	0.0500	0.0252	0.0250	0.8	20.0
Acetone	Lin1		0.0390	0.0100	0.0505	0.0500	1.1	50.0
Iodomethane	Ave	0.3420	0.3129		0.0229	0.0250	-8.5	20.0
Carbon disulfide	Ave	0.6628	0.4746	0.1000	0.0179	0.0250	-28.4*	20.0
3-Chloro-1-propene	Ave	0.6206	0.4719		0.0190	0.0250	-24.0*	20.0
Methyl acetate	Ave	0.3965	0.3667	0.0500	0.0462	0.0500	-7.5	50.0
Methylene Chloride	Lin1		0.2506	0.1000	0.0245	0.0250	-1.9	50.0
2-Methyl-2-propanol	Ave	0.0355	0.0212		0.150	0.250	-40.2*	20.0
Acrylonitrile	Ave	0.1692	0.1806		0.267	0.250	6.7	20.0
trans-1,2-Dichloroethene	Ave	0.2652	0.2454	0.1000	0.0231	0.0250	-7.5	20.0
Methyl tert-butyl ether	Ave	0.7969	0.6025	0.1000	0.0189	0.0250	-24.4*	20.0
Hexane	Ave	0.4143	0.3841		0.0232	0.0250	-7.3	20.0
1,1-Dichloroethane	Ave	0.5249	0.4850	0.2000	0.0231	0.0250	-7.6	20.0
Vinyl acetate	Ave	0.6979	0.6011		0.0215	0.0250	-13.9	20.0
2,2-Dichloropropane	Ave	0.0669	0.0574		0.0215	0.0250	-14.2	20.0
cis-1,2-Dichloroethene	Ave	0.2943	0.2749	0.1000	0.0233	0.0250	-6.6	20.0
2-Butanone (MEK)	Ave	0.0458	0.0433	0.0100	0.0473	0.0500	-5.3	50.0
Chlorobromomethane	Ave	0.1355	0.1303		0.0240	0.0250	-3.8	20.0
Tetrahydrofuran	Ave	0.1580	0.1393		0.0441	0.0500	-11.8	20.0
Chloroform	Ave	0.4729	0.4606	0.2000	0.0244	0.0250	-2.6	20.0
1,1,1-Trichloroethane	Ave	0.4056	0.3554	0.1000	0.0219	0.0250	-12.4	20.0
Cyclohexane	Ave	0.5318	0.5098	0.1000	0.0240	0.0250	-4.1	20.0
Carbon tetrachloride	Ave	0.3532	0.3144	0.1000	0.0223	0.0250	-11.0	20.0
1,1-Dichloropropene	Ave	0.3572	0.3401		0.0238	0.0250	-4.8	20.0
Benzene	Ave	1.065	1.070	0.5000	0.0251	0.0250	0.4	20.0
1,2-Dichloroethane	Ave	0.4522	0.4335	0.1000	0.0240	0.0250	-4.1	20.0
Isobutyl alcohol	Ave	0.0162	0.0199		0.769	0.625	23.0*	20.0
n-Heptane	Ave	0.0541	0.0582		0.0269	0.0250	7.6	20.0
Trichloroethene	Ave	0.2692	0.2551	0.1500	0.0237	0.0250	-5.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Lab Sample ID: CCVIS 240-591677/4 Calibration Date: 10/20/2023 14:20

Instrument ID: A3UX23 Calib Start Date: 08/04/2023 15:49

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 08/04/2023 19:09

Lab File ID: 237994.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	0.4097	0.4015	0.1000	0.0245	0.0250	-2.0	20.0
1,2-Dichloropropane	Ave	0.2866	0.2878	0.1000	0.0251	0.0250	0.4	20.0
Dibromomethane	Ave	0.1601	0.1607		0.0251	0.0250	0.4	20.0
1,4-Dioxane	Ave	0.0026	0.0031		0.606	0.500	21.1	50.0
Dichlorobromomethane	Ave	0.3405	0.3085	0.1500	0.0227	0.0250	-9.4	20.0
2-Chloroethyl vinyl ether	Ave	0.2044	0.2050		0.0502	0.0500	0.3	20.0
cis-1,3-Dichloropropene	Ave	0.4039	0.3788	0.1500	0.0234	0.0250	-6.2	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.4539	0.4772	0.0500	0.0526	0.0500	5.1	50.0
Toluene	Ave	1.542	1.669	0.4000	0.0271	0.0250	8.2	20.0
trans-1,3-Dichloropropene	Ave	0.5141	0.4779	0.1000	0.0232	0.0250	-7.1	20.0
Ethyl methacrylate	Ave	0.4599	0.4825		0.0262	0.0250	4.9	20.0
1,1,2-Trichloroethane	Ave	0.3156	0.3584	0.1000	0.0284	0.0250	13.6	20.0
Tetrachloroethene	Ave	0.2625	0.2858	0.1500	0.0272	0.0250	8.9	20.0
1,3-Dichloropropane	Ave	0.5592	0.6033		0.0270	0.0250	7.9	20.0
2-Hexanone	Ave	0.4253	0.4851	0.0500	0.0570	0.0500	14.1	50.0
Chlorodibromomethane	Ave	0.3253	0.3169		0.0243	0.0250	-2.6	20.0
Ethylene Dibromide	Ave	0.3237	0.3518		0.0272	0.0250	8.7	20.0
Chlorobenzene	Ave	0.9478	1.023	0.3000	0.0270	0.0250	8.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3277	0.3360		0.0256	0.0250	2.5	20.0
Ethylbenzene	Ave	0.5284	0.5658		0.0268	0.0250	7.1	20.0
m-Xylene & p-Xylene	Ave	0.6324	0.6894		0.0273	0.0250	9.0	20.0
o-Xylene	Ave	0.6359	0.6700		0.0263	0.0250	5.4	20.0
Styrene	Ave	0.9533	1.140	0.3000	0.0299	0.0250	19.6	20.0
Bromoform	Ave	0.1965	0.1890	0.1000	0.0240	0.0250	-3.9	20.0
Isopropylbenzene	Ave	1.577	1.673	0.1000	0.0265	0.0250	6.1	20.0
Bromobenzene	Ave	0.7743	0.7476		0.0241	0.0250	-3.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9329	0.9532	0.3000	0.0255	0.0250	2.2	20.0
1,2,3-Trichloropropane	Ave	0.3105	0.3156		0.0254	0.0250	1.6	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3724	0.3675		0.0247	0.0250	-1.3	20.0
N-Propylbenzene	Ave	0.8937	0.8889		0.0249	0.0250	-0.5	20.0
2-Chlorotoluene	Ave	0.7613	0.7598		0.0250	0.0250	-0.2	20.0
1,3,5-Trimethylbenzene	Ave	2.682	2.678		0.0250	0.0250	-0.1	20.0
4-Chlorotoluene	Ave	0.7764	0.7887		0.0254	0.0250	1.6	20.0
tert-Butylbenzene	Ave	2.264	2.188		0.0242	0.0250	-3.3	20.0
1,2,4-Trimethylbenzene	Ave	2.790	2.785		0.0250	0.0250	-0.2	20.0
sec-Butylbenzene	Ave	3.145	3.126		0.0248	0.0250	-0.6	20.0
1,3-Dichlorobenzene	Ave	1.427	1.459	0.6000	0.0256	0.0250	2.3	20.0
4-Isopropyltoluene	Ave	2.672	2.713		0.0254	0.0250	1.5	20.0
1,4-Dichlorobenzene	Ave	1.456	1.526	0.5000	0.0262	0.0250	4.8	20.0
1,2-Dichlorobenzene	Ave	1.390	1.422	0.4000	0.0256	0.0250	2.3	20.0
n-Butylbenzene	Ave	2.312	2.278		0.0246	0.0250	-1.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
 SDG No.: _____
 Lab Sample ID: CCVIS 240-591677/4 Calibration Date: 10/20/2023 14:20
 Instrument ID: A3UX23 Calib Start Date: 08/04/2023 15:49
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 08/04/2023 19:09
 Lab File ID: 237994.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	0.1959	0.1604	0.0500	0.0205	0.0250	-18.1	50.0
1,2,4-Trichlorobenzene	Ave	0.8237	0.6108	0.2000	0.0185	0.0250	-25.8	50.0
Hexachlorobutadiene	Ave	0.2741	0.2492		0.0227	0.0250	-9.1	50.0
Naphthalene	Ave	2.907	2.530		0.0218	0.0250	-13.0	50.0
1,2,3-Trichlorobenzene	Ave	0.7651	0.6466		0.0211	0.0250	-15.5	20.0
Dibromofluoromethane (Surr)	Ave	0.2196	0.2320		0.0264	0.0250	5.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3179	0.3278		0.0258	0.0250	3.1	20.0
Toluene-d8 (Surr)	Ave	1.218	1.377		0.0283	0.0250	13.0	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4873	0.4953		0.0254	0.0250	1.7	20.0

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\237994.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 20-Oct-2023 14:20:30 ALS Bottle#: 2 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134906-004
 Operator ID: Instrument ID: A3UX23
 Sublist: chrom-8260_23*sub1
 Method: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 22-Oct-2023 15:08:36 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 20-Oct-2023 15:00:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	695953	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.738	0.000	88	498703	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.058	12.058	0.000	98	272027	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.810	0.000	79	161485	25.0	26.4	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.188	6.188	0.000	97	228147	25.0	25.8	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	95	686585	25.0	28.3	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	87	247022	25.0	25.4	
9 Dichlorodifluoromethane	85	1.266	1.266	0.000	99	118353	12.5	13.1	
10 Chloromethane	50	1.432	1.432	0.000	100	158846	12.5	12.2	
11 Vinyl chloride	62	1.526	1.526	0.000	99	103134	12.5	11.4	
12 Butadiene	54	1.550	1.550	0.000	98	147141	12.5	12.1	
13 Bromomethane	94	1.834	1.834	0.000	92	59745	12.5	12.0	
14 Chloroethane	64	1.917	1.917	0.000	97	68833	12.5	12.4	
15 Dichlorofluoromethane	67	2.118	2.118	0.000	99	154034	12.5	14.8	
16 Trichlorofluoromethane	101	2.177	2.177	0.000	99	121423	12.5	13.4	
17 Ethyl ether	59	2.473	2.473	0.000	98	186707	25.0	24.6	
18 Acrolein	56	2.603	2.603	0.000	99	104764	125.0	219.4	
19 1,1-Dichloroethene	96	2.698	2.698	0.000	95	143690	25.0	24.1	
20 1,1,2-Trichloro-1,2,2-trifluoro	151	2.745	2.745	0.000	93	124343	25.0	25.2	
21 Acetone	58	2.792	2.792	0.000	98	54256	50.0	50.5	
23 Iodomethane	142	2.863	2.863	0.000	98	217778	25.0	22.9	
24 Carbon disulfide	76	2.923	2.923	0.000	99	330288	25.0	17.9	
26 3-Chloro-1-propene	41	3.147	3.147	0.000	87	328419	25.0	19.0	
27 Methyl acetate	43	3.218	3.218	0.000	100	510444	50.0	46.2	
28 Methylene Chloride	84	3.313	3.313	0.000	95	174405	25.0	24.5	
29 2-Methyl-2-propanol	59	3.597	3.597	0.000	83	147856	250.0	149.6	
30 Acrylonitrile	53	3.680	3.680	0.000	97	1256918	250.0	266.9	
32 trans-1,2-Dichloroethene	96	3.704	3.704	0.000	94	170798	25.0	23.1	
31 Methyl tert-butyl ether	73	3.763	3.763	0.000	93	419332	25.0	18.9	
33 Hexane	57	4.165	4.165	0.000	96	267312	25.0	23.2	
34 1,1-Dichloroethane	63	4.354	4.354	0.000	97	337515	25.0	23.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 Vinyl acetate	43	4.508	4.508	0.000	97	418351	25.0	21.5	
41 2,2-Dichloropropane	97	5.171	5.171	0.000	90	39948	25.0	21.5	
39 cis-1,2-Dichloroethene	96	5.183	5.183	0.000	86	191297	25.0	23.3	
40 2-Butanone (MEK)	72	5.254	5.254	0.000	98	60310	50.0	47.3	
45 Chlorobromomethane	128	5.478	5.478	0.000	90	90712	25.0	24.0	
46 Tetrahydrofuran	42	5.585	5.585	0.000	92	193904	50.0	44.1	
47 Chloroform	83	5.609	5.609	0.000	99	320549	25.0	24.4	
48 1,1,1-Trichloroethane	97	5.810	5.810	0.000	97	247348	25.0	21.9	
49 Cyclohexane	56	5.869	5.869	0.000	96	354773	25.0	24.0	
51 Carbon tetrachloride	117	5.999	5.999	0.000	96	218800	25.0	22.3	
50 1,1-Dichloropropene	75	6.011	6.011	0.000	91	236723	25.0	23.8	
54 Benzene	78	6.248	6.248	0.000	97	744391	25.0	25.1	
53 1,2-Dichloroethane	62	6.283	6.283	0.000	96	301727	25.0	24.0	
52 Isobutyl alcohol	41	6.295	6.295	0.000	93	346664	625.0	768.8	
56 n-Heptane	100	6.614	6.614	0.000	97	40492	25.0	26.9	
58 Trichloroethene	130	6.993	6.993	0.000	97	177517	25.0	23.7	
60 Methylcyclohexane	83	7.194	7.194	0.000	97	279446	25.0	24.5	
61 1,2-Dichloropropane	63	7.230	7.230	0.000	95	200270	25.0	25.1	
63 Dibromomethane	93	7.348	7.348	0.000	96	111842	25.0	25.1	
64 1,4-Dioxane	88	7.419	7.419	0.000	98	43020	500.0	605.7	
65 Dichlorobromomethane	83	7.537	7.537	0.000	98	214735	25.0	22.7	
67 2-Chloroethyl vinyl ether	63	7.892	7.892	0.000	90	285395	50.0	50.2	
68 cis-1,3-Dichloropropene	75	8.023	8.023	0.000	90	263649	25.0	23.4	
69 4-Methyl-2-pentanone (MIBK)	43	8.212	8.212	0.000	99	664237	50.0	52.6	
70 Toluene	91	8.354	8.354	0.000	97	832434	25.0	27.1	
71 trans-1,3-Dichloropropene	75	8.591	8.591	0.000	98	238310	25.0	23.2	
72 Ethyl methacrylate	69	8.721	8.721	0.000	95	240640	25.0	26.2	
73 1,1,2-Trichloroethane	97	8.768	8.768	0.000	94	178755	25.0	28.4	
75 Tetrachloroethene	164	8.910	8.910	0.000	98	142523	25.0	27.2	
74 1,3-Dichloropropane	76	8.934	8.934	0.000	97	300881	25.0	27.0	
76 2-Hexanone	43	9.052	9.052	0.000	98	483801	50.0	57.0	
78 Chlorodibromomethane	129	9.158	9.158	0.000	91	158023	25.0	24.3	
80 Ethylene Dibromide	107	9.265	9.265	0.000	98	175451	25.0	27.2	
82 Chlorobenzene	112	9.762	9.762	0.000	98	510298	25.0	27.0	
83 1,1,1,2-Tetrachloroethane	131	9.845	9.845	0.000	94	167576	25.0	25.6	
84 Ethylbenzene	106	9.880	9.880	0.000	98	282180	25.0	26.8	
85 m-Xylene & p-Xylene	106	9.999	9.999	0.000	97	343798	25.0	27.3	
86 o-Xylene	106	10.389	10.389	0.000	95	334107	25.0	26.3	
87 Styrene	104	10.401	10.401	0.000	95	568581	25.0	29.9	
88 Bromoform	173	10.578	10.578	0.000	96	94233	25.0	24.0	
89 Isopropylbenzene	105	10.768	10.768	0.000	96	834290	25.0	26.5	
93 Bromobenzene	156	11.052	11.052	0.000	96	203375	25.0	24.1	
92 1,1,2,2-Tetrachloroethane	83	11.064	11.064	0.000	95	259288	25.0	25.5	
95 1,2,3-Trichloropropane	110	11.099	11.099	0.000	91	85845	25.0	25.4	
94 trans-1,4-Dichloro-2-butene	53	11.123	11.123	0.000	92	99972	25.0	24.7	
96 N-Propylbenzene	120	11.170	11.170	0.000	99	241809	25.0	24.9	
97 2-Chlorotoluene	126	11.253	11.253	0.000	97	206678	25.0	25.0	
99 1,3,5-Trimethylbenzene	105	11.348	11.348	0.000	95	728466	25.0	25.0	
100 4-Chlorotoluene	126	11.359	11.359	0.000	99	214548	25.0	25.4	
102 tert-Butylbenzene	119	11.679	11.679	0.000	95	595202	25.0	24.2	
104 1,2,4-Trimethylbenzene	105	11.714	11.714	0.000	97	757486	25.0	25.0	
105 sec-Butylbenzene	105	11.892	11.892	0.000	95	850221	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
106 1,3-Dichlorobenzene	146	11.987	11.987	0.000	98	396967	25.0	25.6	
107 4-Isopropyltoluene	119	12.034	12.034	0.000	97	737914	25.0	25.4	
108 1,4-Dichlorobenzene	146	12.081	12.081	0.000	94	415161	25.0	26.2	
112 1,2-Dichlorobenzene	146	12.448	12.448	0.000	78	386882	25.0	25.6	
111 n-Butylbenzene	91	12.448	12.448	0.000	97	619777	25.0	24.6	
113 1,2-Dibromo-3-Chloropropane	157	13.217	13.217	0.000	75	43636	25.0	20.5	
115 1,2,4-Trichlorobenzene	180	14.045	14.045	0.000	94	166165	25.0	18.5	
116 Hexachlorobutadiene	225	14.235	14.235	0.000	97	67794	25.0	22.7	
117 Naphthalene	128	14.294	14.294	0.000	97	688345	25.0	21.8	
118 1,2,3-Trichlorobenzene	180	14.531	14.531	0.000	96	175898	25.0	21.1	
S 134 Trihalomethanes, Total	1				0		100.0	95.4	
S 158 Total BTEX	1				0		125.0	132.5	
S 133 Xylenes, Total	106				0		50.0	53.6	

QC Flag Legend

Processing Flags

Reagents:

VMPRIMW_00554	Amount Added: 20.00	Units: uL	
VMRGAS_00498	Amount Added: 10.00	Units: uL	
VMAROLISTDW_00506	Amount Added: 20.00	Units: uL	
vm125UX21_IS_00057	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_SS_00009	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\237994.D

Injection Date: 20-Oct-2023 14:20:30

Instrument ID: A3UX23

Operator ID:

Lims ID: ccvis

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

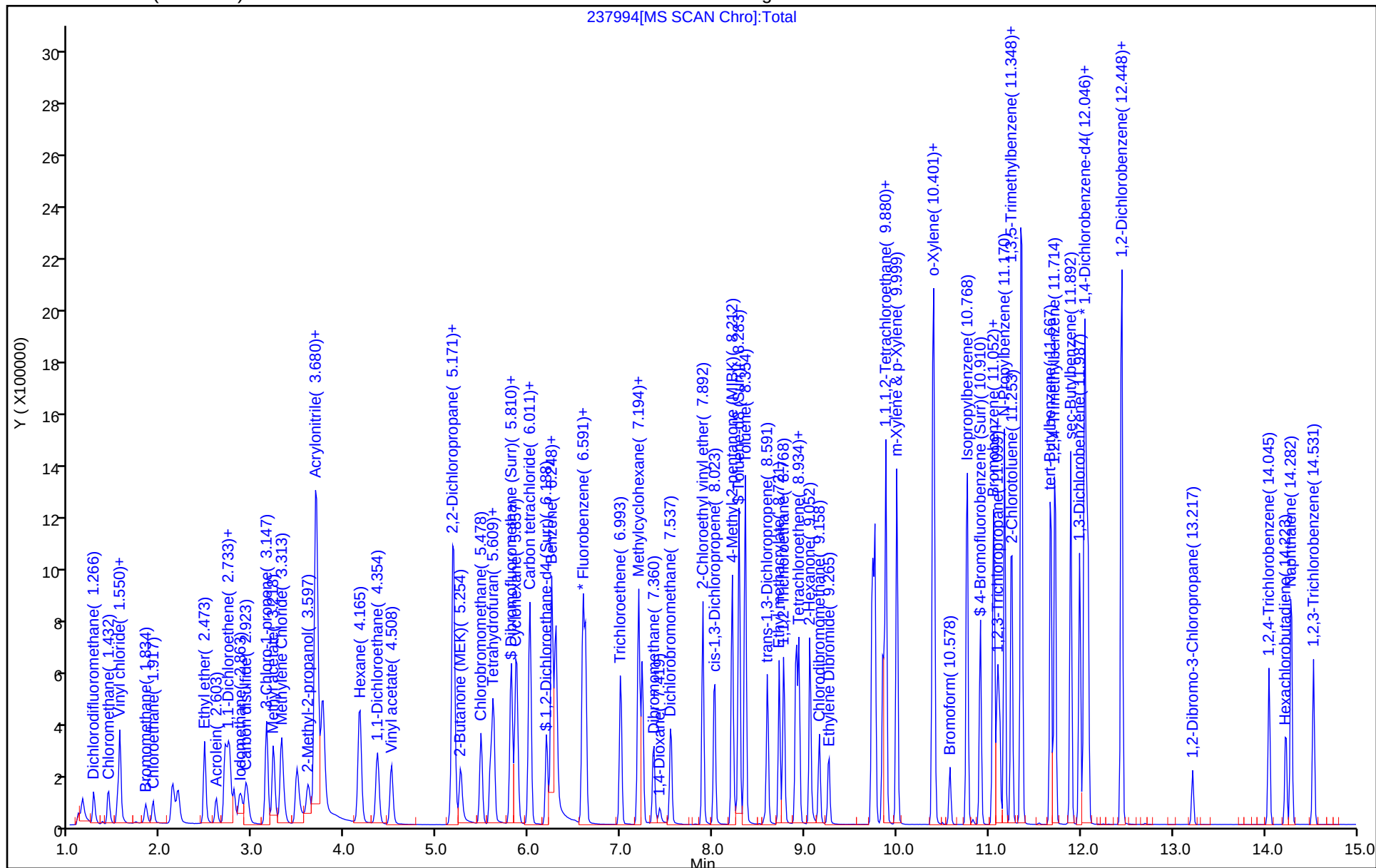
ALS Bottle#: 2

Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Lab Sample ID: CCVIS 240-591763/4 Calibration Date: 10/22/2023 15:41

Instrument ID: A3UX23 Calib Start Date: 08/04/2023 15:49

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 08/04/2023 19:09

Lab File ID: 238022.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	0.3256	0.3140	0.1000	0.0121	0.0125	-3.6	20.0
Chloromethane	Ave	0.4696	0.3955	0.1000	0.0105	0.0125	-15.8	20.0
Vinyl chloride	Ave	0.3263	0.2726	0.1000	0.0104	0.0125	-16.5	20.0
Butadiene	Ave	0.4356	0.4035		0.0116	0.0125	-7.4	20.0
Bromomethane	Ave	0.1788	0.1521	0.0500	0.0106	0.0125	-15.0	20.0
Chloroethane	Ave	0.1997	0.1951	0.0500	0.0122	0.0125	-2.3	20.0
Dichlorofluoromethane	Ave	0.3740	0.4286		0.0143	0.0125	14.6	20.0
Trichlorofluoromethane	Ave	0.3254	0.3422	0.1000	0.0131	0.0125	5.2	20.0
Ethyl ether	Ave	0.2728	0.2746		0.0252	0.0250	0.7	20.0
Acrolein	Ave	0.0172	0.0227		0.165	0.125	32.2*	20.0
1,1-Dichloroethene	Ave	0.2146	0.2039	0.1000	0.0237	0.0250	-5.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1772	0.1785	0.0500	0.0252	0.0250	0.7	20.0
Acetone	Lin1		0.0384	0.0100	0.0497	0.0500	-0.6	50.0
Iodomethane	Ave	0.3420	0.3093		0.0226	0.0250	-9.6	20.0
Carbon disulfide	Ave	0.6628	0.4860	0.1000	0.0183	0.0250	-26.7*	20.0
3-Chloro-1-propene	Ave	0.6206	0.4682		0.0189	0.0250	-24.6*	20.0
Methyl acetate	Ave	0.3965	0.3836	0.0500	0.0484	0.0500	-3.2	50.0
Methylene Chloride	Lin1		0.2542	0.1000	0.0249	0.0250	-0.4	50.0
2-Methyl-2-propanol	Ave	0.0355	0.0301		0.212	0.250	-15.2	20.0
Acrylonitrile	Ave	0.1692	0.1837		0.271	0.250	8.6	20.0
trans-1,2-Dichloroethene	Ave	0.2652	0.2550	0.1000	0.0240	0.0250	-3.9	20.0
Methyl tert-butyl ether	Ave	0.7969	0.6433	0.1000	0.0202	0.0250	-19.3	20.0
Hexane	Ave	0.4143	0.3965		0.0239	0.0250	-4.3	20.0
1,1-Dichloroethane	Ave	0.5249	0.4990	0.2000	0.0238	0.0250	-4.9	20.0
Vinyl acetate	Ave	0.6979	0.5746		0.0206	0.0250	-17.7	20.0
2,2-Dichloropropane	Ave	0.0669	0.0595		0.0222	0.0250	-11.1	20.0
cis-1,2-Dichloroethene	Ave	0.2943	0.2814	0.1000	0.0239	0.0250	-4.4	20.0
2-Butanone (MEK)	Ave	0.0458	0.0455	0.0100	0.0497	0.0500	-0.7	50.0
Chlorobromomethane	Ave	0.1355	0.1325		0.0244	0.0250	-2.2	20.0
Tetrahydrofuran	Ave	0.1580	0.1406		0.0445	0.0500	-11.0	20.0
Chloroform	Ave	0.4729	0.4703	0.2000	0.0249	0.0250	-0.5	20.0
1,1,1-Trichloroethane	Ave	0.4056	0.3623	0.1000	0.0223	0.0250	-10.7	20.0
Cyclohexane	Ave	0.5318	0.5151	0.1000	0.0242	0.0250	-3.1	20.0
Carbon tetrachloride	Ave	0.3532	0.3208	0.1000	0.0227	0.0250	-9.2	20.0
1,1-Dichloropropene	Ave	0.3572	0.3512		0.0246	0.0250	-1.7	20.0
Benzene	Ave	1.065	1.096	0.5000	0.0257	0.0250	2.9	20.0
1,2-Dichloroethane	Ave	0.4522	0.4447	0.1000	0.0246	0.0250	-1.7	20.0
Isobutyl alcohol	Ave	0.0162	0.0203		0.782	0.625	25.1*	20.0
n-Heptane	Ave	0.0541	0.0614		0.0284	0.0250	13.6	20.0
Trichloroethene	Ave	0.2692	0.2696	0.1500	0.0250	0.0250	0.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Lab Sample ID: CCVIS 240-591763/4 Calibration Date: 10/22/2023 15:41

Instrument ID: A3UX23 Calib Start Date: 08/04/2023 15:49

GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 08/04/2023 19:09

Lab File ID: 238022.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	0.4097	0.4116	0.1000	0.0251	0.0250	0.5	20.0
1,2-Dichloropropane	Ave	0.2866	0.2998	0.1000	0.0262	0.0250	4.6	20.0
Dibromomethane	Ave	0.1601	0.1656		0.0258	0.0250	3.4	20.0
1,4-Dioxane	Ave	0.0026	0.0030		0.597	0.500	19.5	50.0
Dichlorobromomethane	Ave	0.3405	0.3179	0.1500	0.0233	0.0250	-6.7	20.0
2-Chloroethyl vinyl ether	Ave	0.2044	0.2072		0.0507	0.0500	1.4	20.0
cis-1,3-Dichloropropene	Ave	0.4039	0.3804	0.1500	0.0235	0.0250	-5.8	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.4539	0.4853	0.0500	0.0535	0.0500	6.9	50.0
Toluene	Ave	1.542	1.720	0.4000	0.0279	0.0250	11.5	20.0
trans-1,3-Dichloropropene	Ave	0.5141	0.4921	0.1000	0.0239	0.0250	-4.3	20.0
Ethyl methacrylate	Ave	0.4599	0.4960		0.0270	0.0250	7.9	20.0
1,1,2-Trichloroethane	Ave	0.3156	0.3689	0.1000	0.0292	0.0250	16.9	20.0
Tetrachloroethene	Ave	0.2625	0.2970	0.1500	0.0283	0.0250	13.1	20.0
1,3-Dichloropropane	Ave	0.5592	0.6214		0.0278	0.0250	11.1	20.0
2-Hexanone	Ave	0.4253	0.4873	0.0500	0.0573	0.0500	14.6	50.0
Chlorodibromomethane	Ave	0.3253	0.3264		0.0251	0.0250	0.3	20.0
Ethylene Dibromide	Ave	0.3237	0.3534		0.0273	0.0250	9.2	20.0
Chlorobenzene	Ave	0.9478	1.061	0.3000	0.0280	0.0250	12.0	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3277	0.3466		0.0264	0.0250	5.8	20.0
Ethylbenzene	Ave	0.5284	0.5755		0.0272	0.0250	8.9	20.0
m-Xylene & p-Xylene	Ave	0.6324	0.7225		0.0286	0.0250	14.2	20.0
o-Xylene	Ave	0.6359	0.6997		0.0275	0.0250	10.0	20.0
Styrene	Ave	0.9533	1.171	0.3000	0.0307	0.0250	22.8*	20.0
Bromoform	Ave	0.1965	0.1922	0.1000	0.0244	0.0250	-2.2	20.0
Isopropylbenzene	Ave	1.577	1.733	0.1000	0.0275	0.0250	9.9	20.0
Bromobenzene	Ave	0.7743	0.7787		0.0251	0.0250	0.6	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9329	0.9693	0.3000	0.0260	0.0250	3.9	20.0
1,2,3-Trichloropropane	Ave	0.3105	0.3200		0.0258	0.0250	3.1	20.0
trans-1,4-Dichloro-2-butene	Ave	0.3724	0.3682		0.0247	0.0250	-1.1	20.0
N-Propylbenzene	Ave	0.8937	0.9384		0.0262	0.0250	5.0	20.0
2-Chlorotoluene	Ave	0.7613	0.7848		0.0258	0.0250	3.1	20.0
1,3,5-Trimethylbenzene	Ave	2.682	2.777		0.0259	0.0250	3.6	20.0
4-Chlorotoluene	Ave	0.7764	0.8374		0.0270	0.0250	7.9	20.0
tert-Butylbenzene	Ave	2.264	2.312		0.0255	0.0250	2.2	20.0
1,2,4-Trimethylbenzene	Ave	2.790	2.917		0.0261	0.0250	4.5	20.0
sec-Butylbenzene	Ave	3.145	3.264		0.0259	0.0250	3.8	20.0
1,3-Dichlorobenzene	Ave	1.427	1.481	0.6000	0.0259	0.0250	3.8	20.0
4-Isopropyltoluene	Ave	2.672	2.834		0.0265	0.0250	6.1	20.0
1,4-Dichlorobenzene	Ave	1.456	1.566	0.5000	0.0269	0.0250	7.6	20.0
1,2-Dichlorobenzene	Ave	1.390	1.424	0.4000	0.0256	0.0250	2.5	20.0
n-Butylbenzene	Ave	2.312	2.358		0.0255	0.0250	2.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
 SDG No.: _____
 Lab Sample ID: CCVIS 240-591763/4 Calibration Date: 10/22/2023 15:41
 Instrument ID: A3UX23 Calib Start Date: 08/04/2023 15:49
 GC Column: DB-624 ID: 0.18 (mm) Calib End Date: 08/04/2023 19:09
 Lab File ID: 238022.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	0.1959	0.1593	0.0500	0.0203	0.0250	-18.6	50.0
1,2,4-Trichlorobenzene	Ave	0.8237	0.6163	0.2000	0.0187	0.0250	-25.2	50.0
Hexachlorobutadiene	Ave	0.2741	0.2529		0.0231	0.0250	-7.7	50.0
Naphthalene	Ave	2.907	2.520		0.0217	0.0250	-13.3	50.0
1,2,3-Trichlorobenzene	Ave	0.7651	0.6582		0.0215	0.0250	-14.0	20.0
Dibromofluoromethane (Surr)	Ave	0.2196	0.2288		0.0261	0.0250	4.2	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.3179	0.3207		0.0252	0.0250	0.9	20.0
Toluene-d8 (Surr)	Ave	1.218	1.364		0.0280	0.0250	12.0	20.0
4-Bromofluorobenzene (Surr)	Ave	0.4873	0.4930		0.0253	0.0250	1.2	20.0

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\238022.D
 Lims ID: ccvis
 Client ID:
 Sample Type: CCVIS
 Inject. Date: 22-Oct-2023 15:41:30 ALS Bottle#: 2 Worklist Smp#: 4
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134938-004
 Operator ID: Instrument ID: A3UX23
 Sublist: chrom-8260_23*sub1
 Method: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 23-Oct-2023 14:16:25 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1668

First Level Reviewer: PHN3

Date: 22-Oct-2023 18:45:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	724971	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.727	9.727	0.000	91	518593	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.058	12.058	0.000	97	277050	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.798	5.798	0.000	76	165861	25.0	26.1	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.189	6.189	0.000	97	232466	25.0	25.2	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	95	707333	25.0	28.0	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	88	255689	25.0	25.3	
9 Dichlorodifluoromethane	85	1.266	1.266	0.000	99	113822	12.5	12.1	
10 Chloromethane	50	1.420	1.420	0.000	100	143357	12.5	10.5	
11 Vinyl chloride	62	1.526	1.526	0.000	98	98805	12.5	10.4	
12 Butadiene	54	1.550	1.550	0.000	97	146264	12.5	11.6	
13 Bromomethane	94	1.834	1.834	0.000	91	55119	12.5	10.6	
14 Chloroethane	64	1.905	1.905	0.000	97	70712	12.5	12.2	
15 Dichlorofluoromethane	67	2.118	2.118	0.000	99	155364	12.5	14.3	
16 Trichlorofluoromethane	101	2.177	2.177	0.000	97	124049	12.5	13.1	
17 Ethyl ether	59	2.461	2.461	0.000	97	199072	25.0	25.2	
18 Acrolein	56	2.591	2.591	0.000	99	82192	125.0	165.2	
19 1,1-Dichloroethene	96	2.698	2.698	0.000	95	147788	25.0	23.7	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.745	2.745	0.000	93	129373	25.0	25.2	
21 Acetone	58	2.792	2.781	0.011	98	55611	50.0	49.7	
23 Iodomethane	142	2.852	2.852	0.000	98	224238	25.0	22.6	
24 Carbon disulfide	76	2.923	2.923	0.000	100	352333	25.0	18.3	
26 3-Chloro-1-propene	41	3.136	3.136	0.000	87	339454	25.0	18.9	
27 Methyl acetate	43	3.218	3.218	0.000	100	556270	50.0	48.4	
28 Methylene Chloride	84	3.301	3.301	0.000	95	184283	25.0	24.9	
29 2-Methyl-2-propanol	59	3.585	3.585	0.000	84	218336	250.0	212.0	
30 Acrylonitrile	53	3.668	3.668	0.000	97	1331546	250.0	271.4	
32 trans-1,2-Dichloroethene	96	3.692	3.692	0.000	94	184846	25.0	24.0	
31 Methyl tert-butyl ether	73	3.751	3.751	0.000	94	466359	25.0	20.2	
33 Hexane	57	4.153	4.153	0.000	96	287469	25.0	23.9	
34 1,1-Dichloroethane	63	4.343	4.343	0.000	98	361758	25.0	23.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
35 Vinyl acetate	43	4.496	4.496	0.000	97	416564	25.0	20.6	
39 cis-1,2-Dichloroethene	96	5.171	5.171	0.000	76	203985	25.0	23.9	
41 2,2-Dichloropropane	97	5.171	5.171	0.000	87	43138	25.0	22.2	
40 2-Butanone (MEK)	72	5.254	5.254	0.000	98	65902	50.0	49.7	
45 Chlorobromomethane	128	5.479	5.479	0.000	92	96037	25.0	24.4	
46 Tetrahydrofuran	42	5.573	5.573	0.000	92	203921	50.0	44.5	
47 Chloroform	83	5.609	5.609	0.000	99	340942	25.0	24.9	
48 1,1,1-Trichloroethane	97	5.798	5.798	0.000	97	262632	25.0	22.3	
49 Cyclohexane	56	5.857	5.857	0.000	97	373412	25.0	24.2	
51 Carbon tetrachloride	117	5.999	5.999	0.000	97	232596	25.0	22.7	
50 1,1-Dichloropropene	75	6.011	6.011	0.000	90	254607	25.0	24.6	
54 Benzene	78	6.248	6.248	0.000	97	794515	25.0	25.7	
53 1,2-Dichloroethane	62	6.283	6.283	0.000	97	322419	25.0	24.6	
52 Isobutyl alcohol	41	6.295	6.295	0.000	91	367327	625.0	782.1	
56 n-Heptane	100	6.614	6.614	0.000	96	44508	25.0	28.4	
58 Trichloroethene	130	6.993	6.993	0.000	97	195440	25.0	25.0	
60 Methylcyclohexane	83	7.194	7.194	0.000	97	298386	25.0	25.1	
61 1,2-Dichloropropane	63	7.230	7.230	0.000	95	217373	25.0	26.2	
63 Dibromomethane	93	7.348	7.348	0.000	97	120023	25.0	25.8	
64 1,4-Dioxane	88	7.419	7.419	0.000	97	44206	500.0	597.4	
65 Dichlorobromomethane	83	7.537	7.537	0.000	97	230462	25.0	23.3	
67 2-Chloroethyl vinyl ether	63	7.892	7.892	0.000	91	300438	50.0	50.7	
68 cis-1,3-Dichloropropene	75	8.011	8.011	0.000	94	275811	25.0	23.5	
69 4-Methyl-2-pentanone (MIBK)	43	8.212	8.212	0.000	99	703694	50.0	53.5	
70 Toluene	91	8.354	8.354	0.000	97	892018	25.0	27.9	
71 trans-1,3-Dichloropropene	75	8.591	8.591	0.000	98	255190	25.0	23.9	
72 Ethyl methacrylate	69	8.721	8.721	0.000	95	257245	25.0	27.0	
73 1,1,2-Trichloroethane	97	8.768	8.768	0.000	93	191317	25.0	29.2	
75 Tetrachloroethene	164	8.910	8.910	0.000	98	154022	25.0	28.3	
74 1,3-Dichloropropane	76	8.934	8.934	0.000	97	322242	25.0	27.8	
76 2-Hexanone	43	9.052	9.052	0.000	98	505389	50.0	57.3	
78 Chlorodibromomethane	129	9.159	9.159	0.000	90	169251	25.0	25.1	
80 Ethylene Dibromide	107	9.253	9.253	0.000	99	183289	25.0	27.3	
82 Chlorobenzene	112	9.762	9.762	0.000	95	550279	25.0	28.0	
83 1,1,1,2-Tetrachloroethane	131	9.845	9.845	0.000	94	179744	25.0	26.4	
84 Ethylbenzene	106	9.880	9.880	0.000	98	298475	25.0	27.2	
85 m-Xylene & p-Xylene	106	9.999	9.999	0.000	97	374692	25.0	28.6	
86 o-Xylene	106	10.389	10.389	0.000	98	362882	25.0	27.5	
87 Styrene	104	10.401	10.401	0.000	95	607064	25.0	30.7	
88 Bromoform	173	10.579	10.579	0.000	97	99663	25.0	24.4	
89 Isopropylbenzene	105	10.768	10.768	0.000	96	898566	25.0	27.5	
93 Bromobenzene	156	11.052	11.052	0.000	95	215743	25.0	25.1	
92 1,1,2,2-Tetrachloroethane	83	11.064	11.064	0.000	98	268534	25.0	26.0	
95 1,2,3-Trichloropropane	110	11.099	11.099	0.000	91	88650	25.0	25.8	
94 trans-1,4-Dichloro-2-butene	53	11.111	11.111	0.000	88	102011	25.0	24.7	
96 N-Propylbenzene	120	11.170	11.170	0.000	99	259979	25.0	26.2	
97 2-Chlorotoluene	126	11.253	11.253	0.000	97	217415	25.0	25.8	
99 1,3,5-Trimethylbenzene	105	11.348	11.348	0.000	94	769389	25.0	25.9	
100 4-Chlorotoluene	126	11.359	11.359	0.000	98	231988	25.0	27.0	
102 tert-Butylbenzene	119	11.667	11.667	0.000	95	640675	25.0	25.5	
104 1,2,4-Trimethylbenzene	105	11.714	11.714	0.000	98	808088	25.0	26.1	
105 sec-Butylbenzene	105	11.892	11.892	0.000	95	904361	25.0	25.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
106 1,3-Dichlorobenzene	146	11.987	11.987	0.000	98	410235	25.0	25.9	
107 4-Isopropyltoluene	119	12.034	12.034	0.000	97	785185	25.0	26.5	
108 1,4-Dichlorobenzene	146	12.081	12.081	0.000	95	433838	25.0	26.9	
111 n-Butylbenzene	91	12.448	12.448	0.000	97	653357	25.0	25.5	
112 1,2-Dichlorobenzene	146	12.448	12.448	0.000	77	394600	25.0	25.6	
113 1,2-Dibromo-3-Chloropropane	157	13.217	13.217	0.000	77	44147	25.0	20.3	
115 1,2,4-Trichlorobenzene	180	14.046	14.046	0.000	95	170759	25.0	18.7	
116 Hexachlorobutadiene	225	14.235	14.235	0.000	98	70076	25.0	23.1	
117 Naphthalene	128	14.282	14.282	0.000	98	698201	25.0	21.7	
118 1,2,3-Trichlorobenzene	180	14.531	14.531	0.000	96	182344	25.0	21.5	
S 134 Trihalomethanes, Total	1				0		100.0	97.7	
S 158 Total BTEX	1				0		125.0	136.9	
S 133 Xylenes, Total	106				0		50.0	56.1	

QC Flag Legend

Processing Flags

Reagents:

VMRPRIMW_00554	Amount Added: 20.00	Units: uL	
VMRGAS_00498	Amount Added: 10.00	Units: uL	
VMAROLISTDW_00506	Amount Added: 20.00	Units: uL	
vm125UX21_IS_00057	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_SS_00009	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\238022.D

Injection Date: 22-Oct-2023 15:41:30

Instrument ID: A3UX23

Operator ID:

Lims ID: ccvis

Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

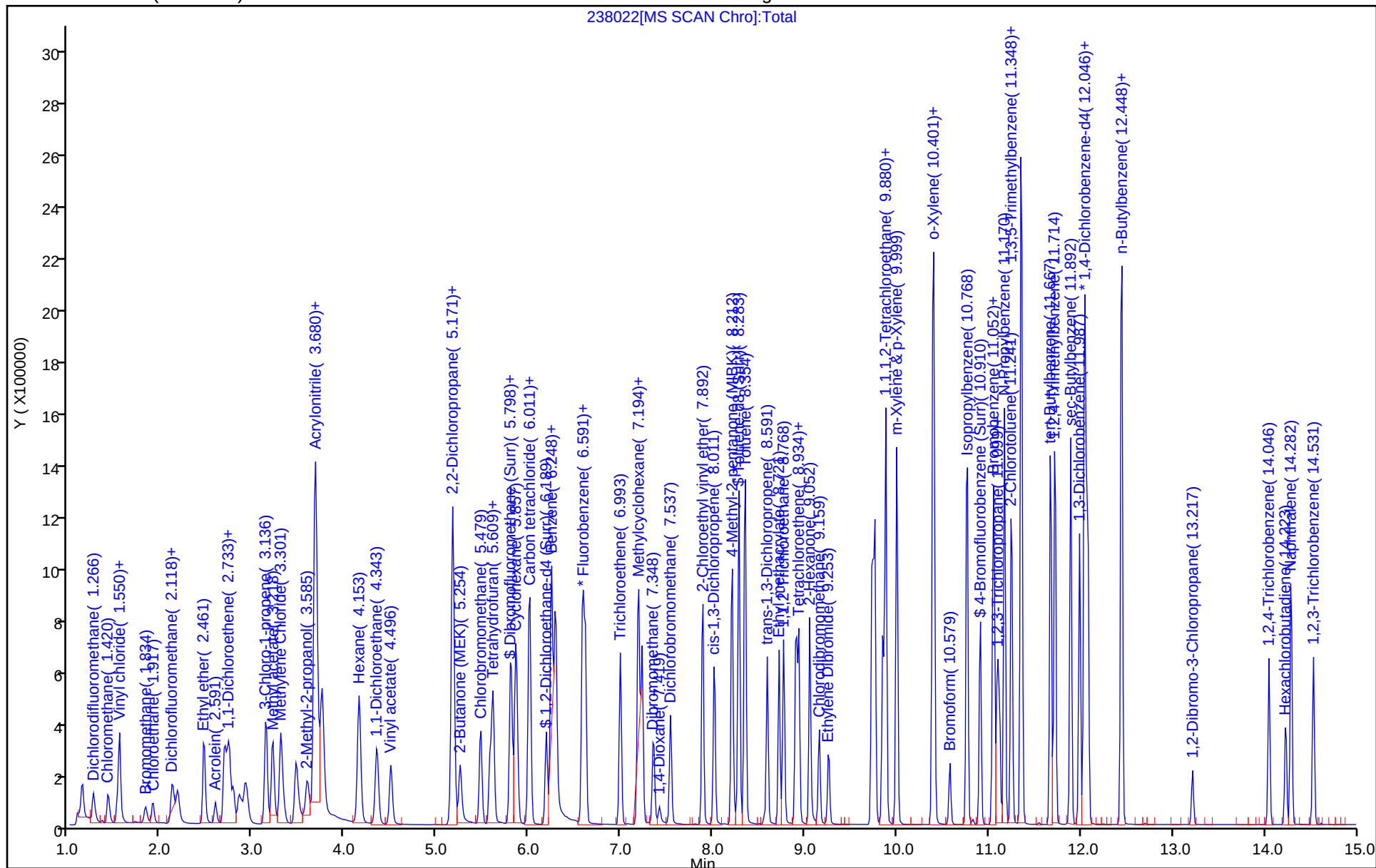
ALS Bottle#: 2

Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Canton
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\BFB1270.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 17-Jun-2022 14:42:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0119589-001
Operator ID: 001904 Instrument ID: A3UX15
Method: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\8260_15.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Jun-2022 10:43:50 Calib Date: 17-Jun-2022 22:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2452.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1625

First Level Reviewer: laveyt

Date: 17-Jun-2022 14:51:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

\$ 8 BFB	95	4.096	4.096	0.000	0	258816	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

vmbfb_00030

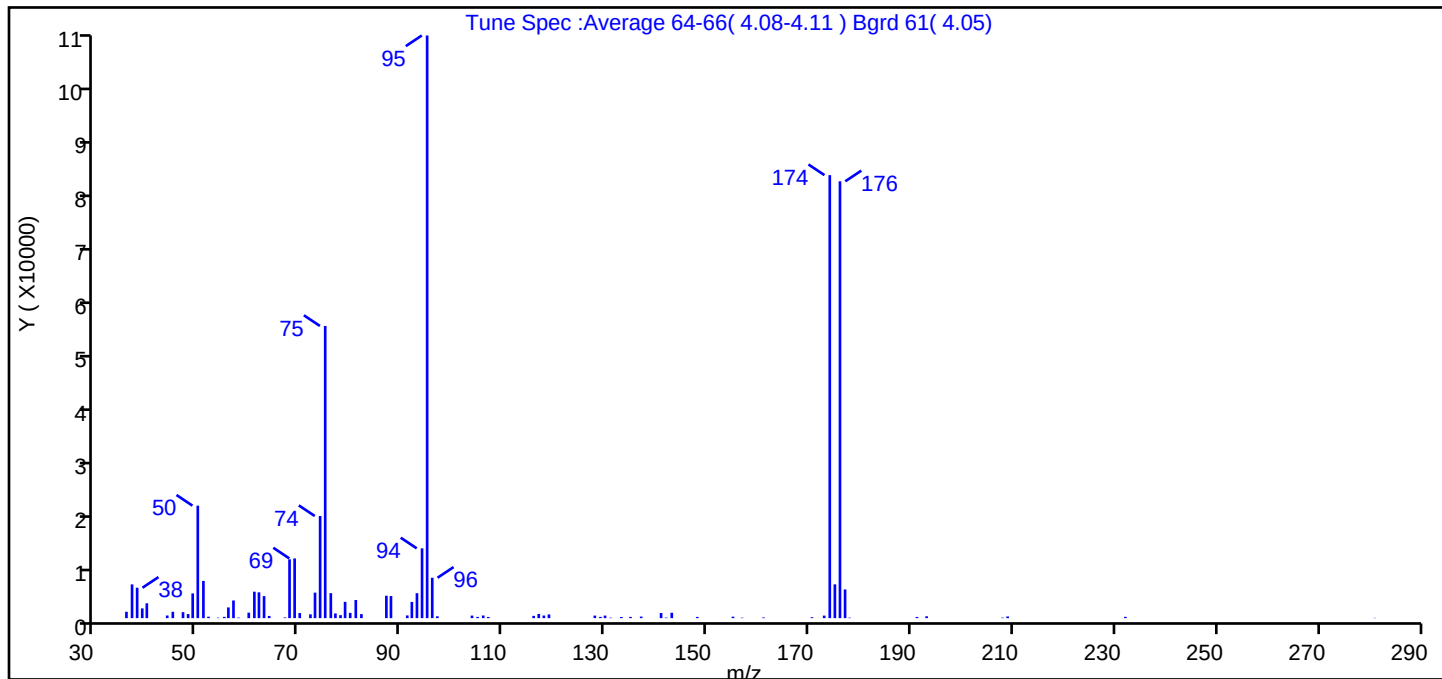
Amount Added: 1.00

Units: uL

Eurofins Canton

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\BFB1270.D
Injection Date: 17-Jun-2022 14:42:30 Instrument ID: A3UX15
Lims ID: BFB
Client ID:
Operator ID: 001904 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260_15 Limit Group: MSV 8260C ICAL
Tune Method: BFB Method 8260

\$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.3
75	30 to 60% of m/z 95	50.1
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.4 (0.6)
174	50 to 120% of m/z 95	76.0
175	5 to 9% of m/z 174	5.8 (7.6)
176	Greater than 95% but less than 101% of m/z 174	75.0 (98.6)
177	5 to 9% of m/z 176	4.9 (6.6)

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\BFB1270.D\8260_15.rslt\spectra.d
Injection Date: 17-Jun-2022 14:42:30
Spectrum: Tune Spec :Average 64-66(4.08-4.11) Bgrd 61(4.05)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 82

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1182	63.00	4078	93.00	4619	142.00	102
37.00	6245	64.00	407	94.00	12914	143.00	994
38.00	5624	67.00	127	95.00	107824	148.00	227
39.00	1807	68.00	10880	96.00	7474	155.00	275
40.00	2743	69.00	11050	97.00	341	157.00	84
44.00	492	70.00	945	104.00	471	161.00	127
45.00	1182	72.00	704	105.00	232	170.00	173
47.00	1109	73.00	4717	106.00	488	173.00	472
48.00	753	74.00	18896	107.00	221	174.00	81984
49.00	4580	75.00	54072	116.00	422	175.00	6257
50.00	20816	76.00	4626	117.00	774	176.00	80840
51.00	6887	77.00	870	118.00	481	177.00	5310
52.00	261	78.00	554	119.00	684	178.00	90
54.00	85	79.00	3020	128.00	473	191.00	224
55.00	235	80.00	973	129.00	228	193.00	343
56.00	1985	81.00	3360	130.00	472	208.00	93
57.00	3272	82.00	747	131.00	88	209.00	309
58.00	95	87.00	4145	133.00	210	232.00	243
60.00	1016	88.00	4094	135.00	232	281.00	51
61.00	4894	91.00	503	137.00	291		
62.00	4777	92.00	3003	141.00	944		

Eurofins Canton

Data File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\BFB1270.D

Injection Date: 17-Jun-2022 14:42:30

Instrument ID: A3UX15

Operator ID: 001904

Lims ID: BFB

Worklist Smp#: 1

Client ID:

Injection Vol: 5.0 mL

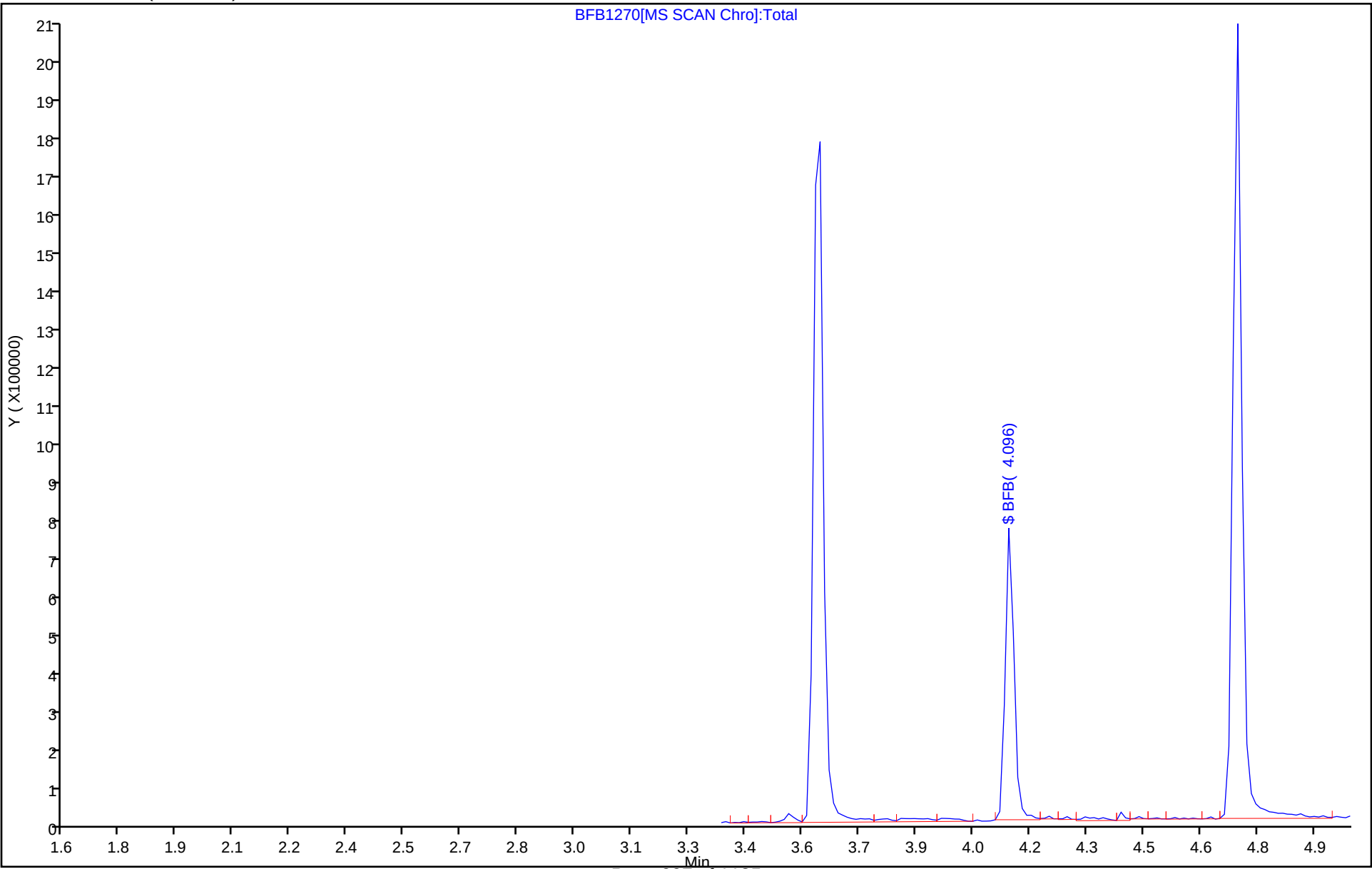
Dil. Factor: 1.0000

ALS Bottle#: 1

Method: 8260_15

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\BFB343.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 21-Oct-2023 09:31:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0134925-001
Operator ID: 001904 Instrument ID: A3UX15
Method: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\8260_15.m
Limit Group: MSV 8260C ICAL
Last Update: 21-Oct-2023 09:40:57 Calib Date: 17-Jun-2022 22:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2452.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1651

First Level Reviewer: LQ5J

Date: 21-Oct-2023 09:40:57

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

\$ 8 BFB	95	4.060	4.060	0.000	0	123612	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

vmbfb_00032

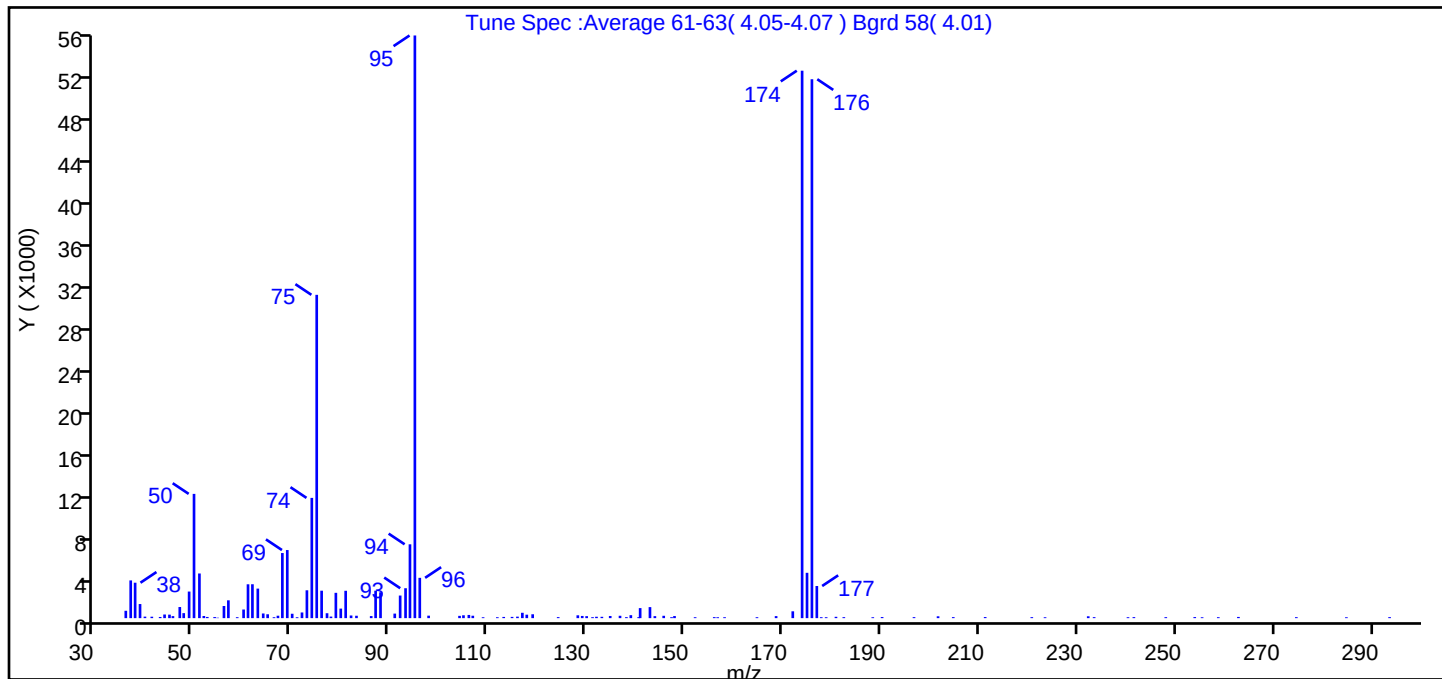
Amount Added: 1.00

Units: uL

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\BFB343.D
Injection Date: 21-Oct-2023 09:31:30 Instrument ID: A3UX15
Lims ID: BFB
Client ID:
Operator ID: 001904 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260_15 Limit Group: MSV 8260C ICAL
Tune Method: BFB Method 8260

\$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	21.3
75	30 to 60% of m/z 95	55.5
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	94.0
175	5 to 9% of m/z 174	7.8 (8.3)
176	Greater than 95% but less than 101% of m/z 174	92.5 (98.4)
177	5 to 9% of m/z 176	5.5 (6.0)

Data File: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\BFB343.D\8260_15.rslt\spectra.d
Injection Date: 21-Oct-2023 09:31:30
Spectrum: Tune Spec :Average 61-63(4.05-4.07) Bgrd 58(4.01)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 121

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	697	69.00	6449	113.00	115	174.00	51840
37.00	3572	70.00	416	115.00	119	175.00	4293
38.00	3355	71.00	85	116.00	142	176.00	51032
39.00	1336	72.00	537	117.00	508	177.00	3044
40.00	143	73.00	2638	118.00	328	178.00	88
41.00	136	74.00	11388	119.00	367	179.00	87
43.00	111	75.00	30616	124.00	97	181.00	127
44.00	345	76.00	2599	128.00	269	182.00	93
45.00	332	77.00	465	129.00	208	188.00	85
46.00	193	78.00	149	130.00	188	190.00	103
47.00	1054	79.00	2398	131.00	91	197.00	95
48.00	474	80.00	904	132.00	132	202.00	175
49.00	2518	81.00	2591	133.00	127	205.00	96
50.00	11767	82.00	251	135.00	204	211.00	103
51.00	4229	83.00	227	137.00	224	221.00	93
52.00	203	86.00	197	138.00	94	223.00	83
53.00	113	87.00	2600	139.00	281	232.00	176
54.00	101	88.00	2445	141.00	95	233.00	94
55.00	42	91.00	430	141.00	950	240.00	87
56.00	1149	92.00	2140	143.00	1045	242.00	96
57.00	1688	93.00	2833	144.00	190	248.00	92
59.00	89	94.00	6992	146.00	223	254.00	101
60.00	817	95.00	55176	147.00	88	255.00	83
61.00	3206	96.00	3818	148.00	198	259.00	89
62.00	3210	98.00	235	152.00	86	263.00	114
63.00	2797	104.00	217	156.00	95	275.00	92
64.00	442	105.00	271	157.00	84	285.00	83
65.00	367	106.00	303	158.00	87	294.00	95
66.00	87	107.00	228	165.00	87		
67.00	230	109.00	83	169.00	193		
68.00	6166	112.00	86	172.00	648		

Chrom Revision: 2.3 22-Sep-2023 11:33:50

Data File: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\BFB343.D

Instrument ID: A3UX15

Operator ID: 001904

Worklist Smp#: 1

Injection Vol: 5.0 mL

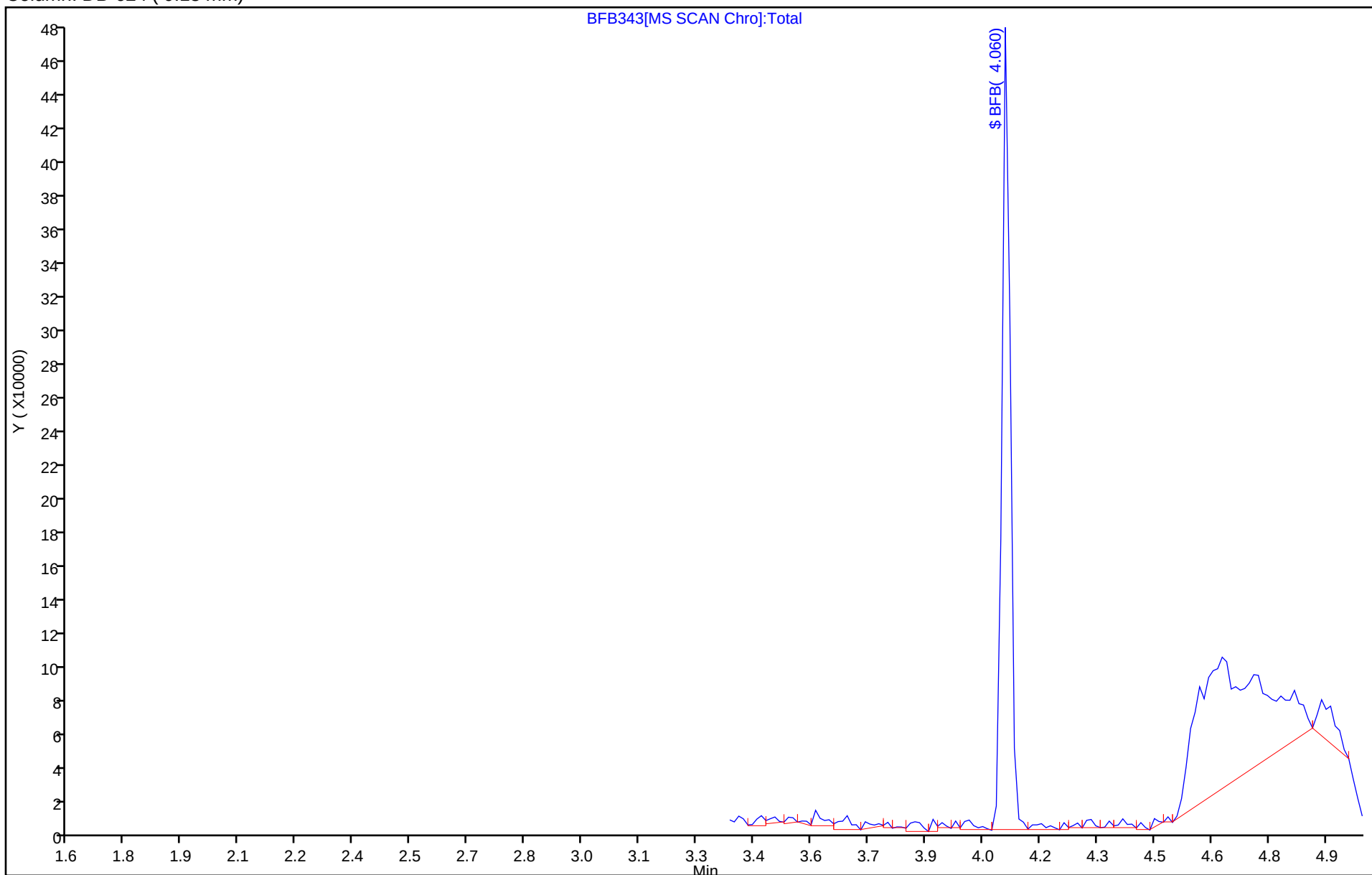
Dil. Factor: 1.0000

ALS Bottle#: 1

Method: 8260_15

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\BFB22641.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 06-Sep-2023 12:24:07 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0133168-001
Operator ID: Instrument ID: A3UX22
Method: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 07-Sep-2023 15:34:50 Calib Date: 06-Sep-2023 22:20:06
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\224037.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1612

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 8 BFB	95	3.951	3.951	0.000	0	1055997	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

vmbfb_00032

Amount Added: 1.00

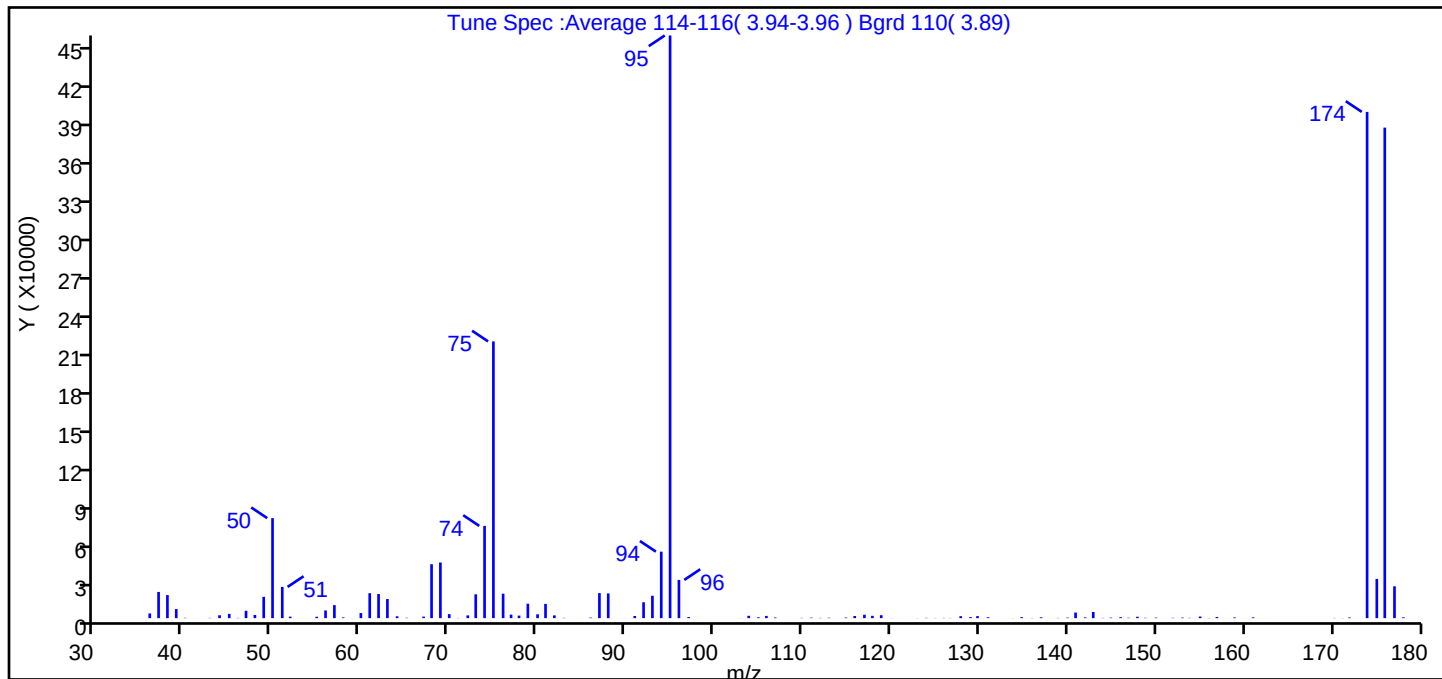
Units: uL

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\BFB22641.D
Injection Date: 06-Sep-2023 12:24:07 Instrument ID: A3UX22
Lims ID: bfb
Client ID:
Operator ID:
Injection Vol: 5.0 mL
Method: 8260_22
Tune Method: BFB Method 8260

ALS Bottle#: 0 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: MSV 8260C ICAL

\$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	17.2
75	30 to 60% of m/z 95	47.5
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	86.9
175	5 to 9% of m/z 174	6.7 (7.7)
176	Greater than 95% but less than 101% of m/z 174	84.2 (96.9)
177	5 to 9% of m/z 176	5.5 (6.5)

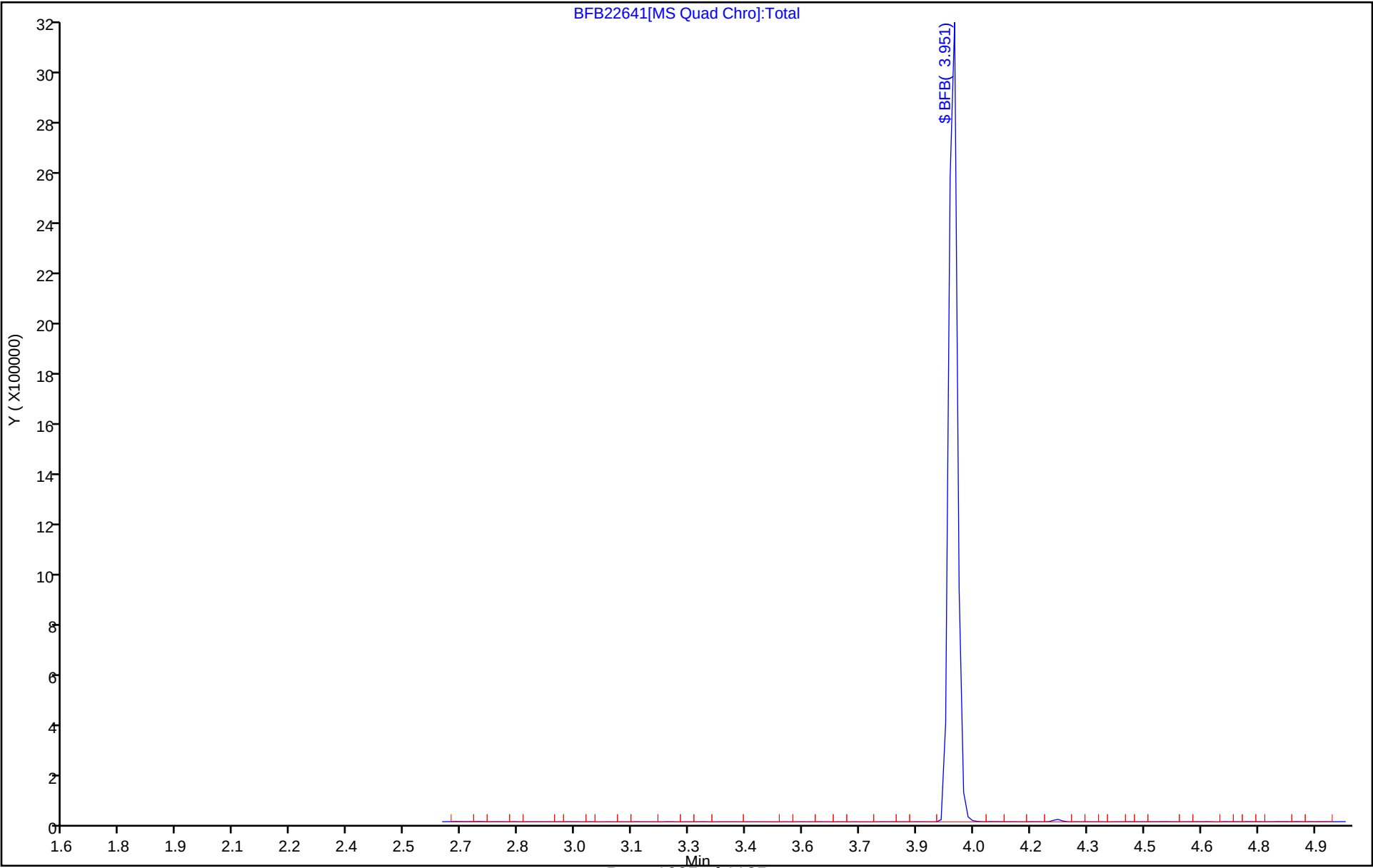
Data File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\BFB22641.D\8260_22.rslt\spectra.d
Injection Date: 06-Sep-2023 12:24:07
Spectrum: Tune Spec :Average 114-116(3.94-3.96) Bgrd 110(3.89)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 109

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3689	69.00	43672	106.00	1752	142.00	590
37.00	20568	70.00	3150	107.00	519	143.00	4845
38.00	18104	71.00	149	110.00	189	144.00	200
39.00	7143	72.00	2165	111.00	391	145.00	416
40.00	282	73.00	18720	112.00	204	146.00	726
43.00	210	74.00	72408	113.00	332	147.00	300
44.00	2268	75.00	217216	115.00	504	148.00	1102
45.00	3353	76.00	19208	116.00	1664	149.00	284
46.00	202	77.00	2769	117.00	2652	150.00	411
47.00	5775	78.00	1998	118.00	1794	152.00	278
48.00	2476	79.00	11325	119.00	2300	153.00	435
49.00	16720	80.00	3040	120.00	74	154.00	234
50.00	78504	81.00	11184	123.00	71	155.00	1256
51.00	24520	82.00	2154	124.00	239	156.00	137
52.00	1178	83.00	221	125.00	136	157.00	913
55.00	1084	86.00	437	126.00	172	159.00	544
56.00	6035	87.00	19672	127.00	147	161.00	608
57.00	10241	88.00	19392	128.00	1550	170.00	143
58.00	548	91.00	1690	129.00	772	171.00	103
59.00	58	92.00	12475	130.00	1600	172.00	496
60.00	4005	93.00	17584	131.00	678	174.00	397376
61.00	19592	94.00	52184	134.00	66	175.00	30776
62.00	18952	95.00	457344	135.00	767	176.00	385024
63.00	15013	96.00	29992	136.00	135	177.00	24992
64.00	1476	97.00	852	137.00	657	178.00	646
65.00	289	103.00	54	139.00	173		
67.00	1192	104.00	1833	140.00	385		
68.00	42352	105.00	660	141.00	4376		

Eurofins Cleveland
 Data File: \\chromfs\Canton\ChromData\A3UX22\20230906-133168.b\BFB22641.D
 Injection Date: 06-Sep-2023 12:24:07 Instrument ID: A3UX22
 Lims ID: bfb
 Client ID:
 Injection Vol: 5.0 mL Dil. Factor: 1.0000
 Method: 8260_22 Limit Group: MSV 8260C ICAL
 Column: DB-624 (0.18 mm)

Operator ID:
 Worklist Smp#: 1
 ALS Bottle#: 0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\BFB22677.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 20-Oct-2023 13:34:50 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0134907-001
Operator ID: Instrument ID: A3UX22
Method: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Oct-2023 15:07:56 Calib Date: 11-Sep-2023 18:19:34
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1612

First Level Reviewer: PHN3

Date: 20-Oct-2023 18:03:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

\$ 8 BFB	95	3.951	3.951	0.000	0	629901	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

vmbfb_00032

Amount Added: 1.00

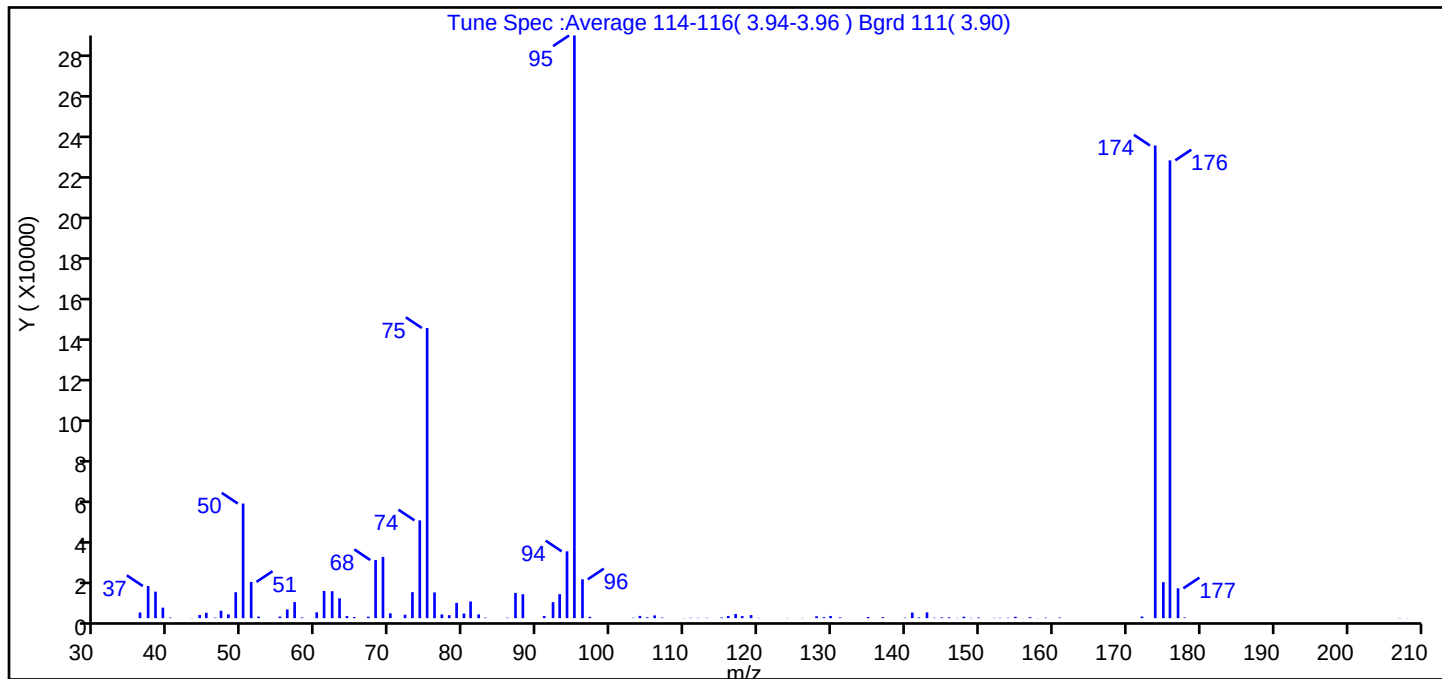
Units: uL

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\BFB22677.D
Injection Date: 20-Oct-2023 13:34:50 Instrument ID: A3UX22
Lims ID: bfb
Client ID:
Operator ID:
Injection Vol: 5.0 mL
Method: 8260_22
Tune Method: BFB Method 8260

ALS Bottle#: 0 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: MSV 8260C ICAL

\$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.7
75	30 to 60% of m/z 95	49.8
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	81.1
175	5 to 9% of m/z 174	6.2 (7.6)
176	Greater than 95% but less than 101% of m/z 174	78.6 (96.9)
177	5 to 9% of m/z 176	5.1 (6.5)

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\BFB22677.D\8260_22.rslt\spectra.d
Injection Date: 20-Oct-2023 13:34:50
Spectrum: Tune Spec :Average 114-116(3.94-3.96) Bgrd 111(3.90)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 103

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2803	68.00	28528	104.00	1113	143.00	2812
37.00	15778	69.00	30056	105.00	401	144.00	182
38.00	13011	70.00	2360	106.00	1351	145.00	368
39.00	5159	72.00	1662	107.00	287	146.00	394
40.00	283	73.00	12753	110.00	82	147.00	114
43.00	89	74.00	48016	111.00	185	148.00	694
44.00	1533	75.00	142464	112.00	141	149.00	131
45.00	2654	76.00	12620	113.00	172	150.00	329
46.00	234	77.00	1819	115.00	339	152.00	154
47.00	3643	78.00	1461	116.00	1076	153.00	164
48.00	1860	79.00	7490	117.00	2027	154.00	181
49.00	12718	80.00	2273	118.00	1015	155.00	659
50.00	56272	81.00	8197	119.00	1494	156.00	51
51.00	17792	82.00	1856	120.00	118	157.00	461
52.00	764	83.00	270	124.00	101	158.00	70
55.00	783	86.00	212	126.00	100	159.00	254
56.00	4281	87.00	12393	128.00	922	161.00	301
57.00	7879	88.00	11738	129.00	470	172.00	797
58.00	329	91.00	1044	130.00	1063	174.00	232064
60.00	2839	92.00	7860	131.00	355	175.00	17656
61.00	13351	93.00	11767	132.00	55	176.00	224768
62.00	13202	94.00	32800	135.00	555	177.00	14656
63.00	9723	95.00	286080	137.00	470	178.00	333
64.00	1011	96.00	19064	140.00	207	207.00	138
65.00	550	97.00	658	141.00	2740	208.00	76
67.00	711	103.00	169	142.00	333		

Report Date: 22-Oct-2023 15:07:56

Chrom Revision: 2.3 22-Sep-2023 11:33:50

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\BFB22677.D

Injection Date: 20-Oct-2023 13:34:50

Instrument ID: A3UX22

Operator ID:

Lims ID: bfb

Worklist Smp#: 1

Client ID:

Injection Vol: 5.0 mL

Dil. Factor: 1.0000

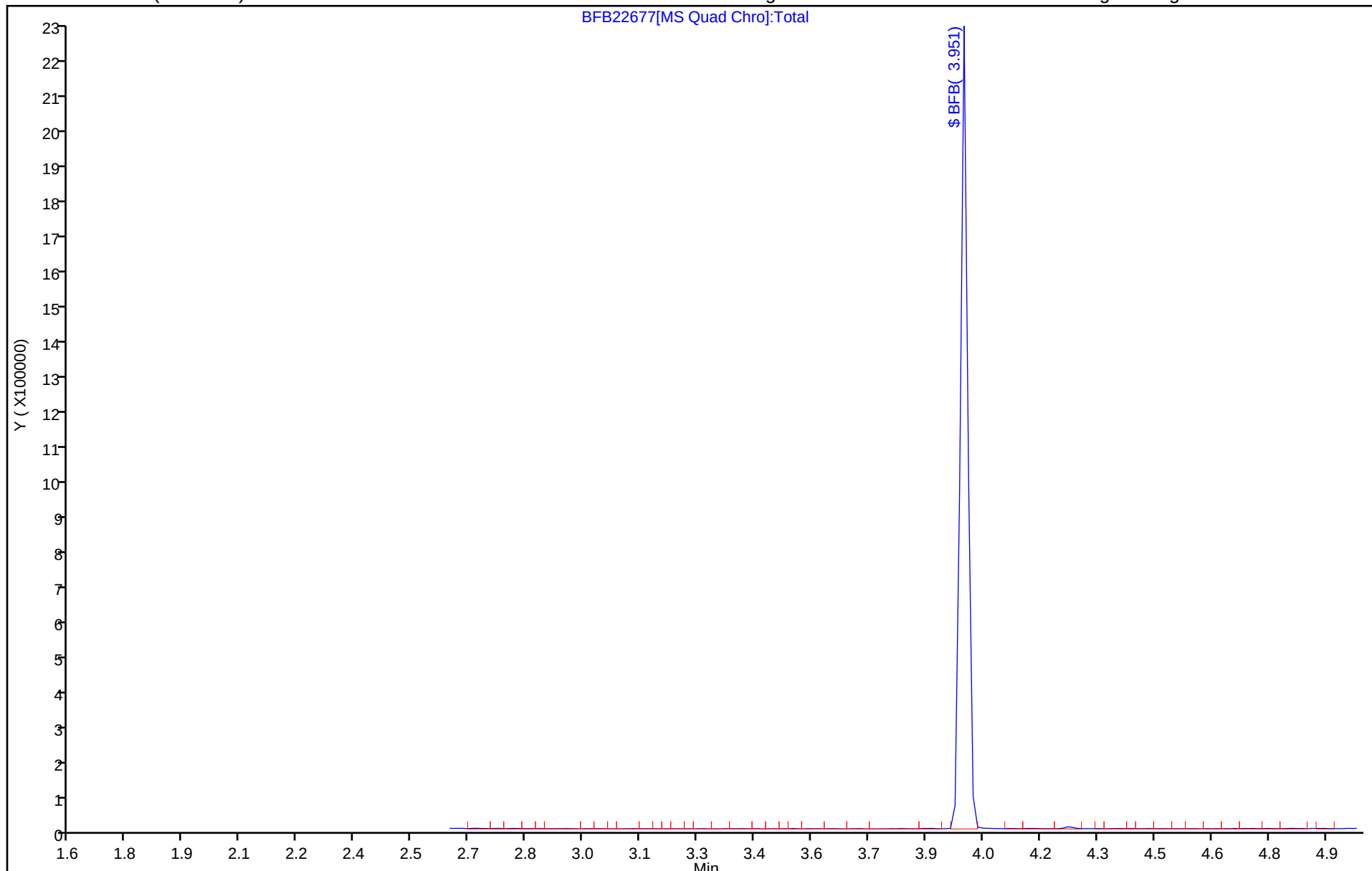
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\BFB22678.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 22-Oct-2023 14:42:34 ALS Bottle#: 0 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0134937-001
Operator ID: Instrument ID: A3UX22
Method: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Oct-2023 12:00:46 Calib Date: 11-Sep-2023 18:19:34
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1668

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 8 BFB	95	3.951	3.951	0.000	0	681875	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

vmbfb_00032

Amount Added: 1.00

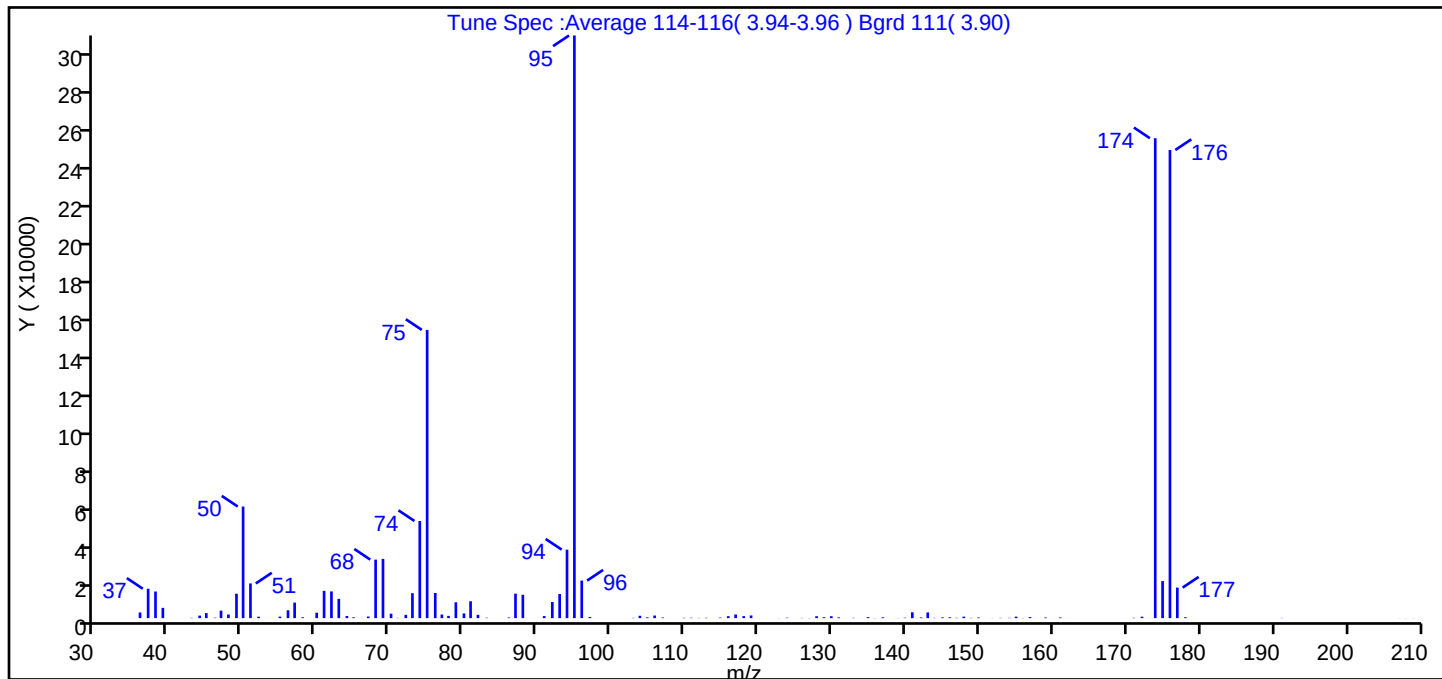
Units: uL

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\BFB22678.D
Injection Date: 22-Oct-2023 14:42:34 Instrument ID: A3UX22
Lims ID: bfb
Client ID:
Operator ID:
Injection Vol: 5.0 mL
Method: 8260_22
Tune Method: BFB Method 8260

ALS Bottle#: 0 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: MSV 8260C ICAL

\$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	19.2
75	30 to 60% of m/z 95	49.5
96	5 to 9% of m/z 95	6.4
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	82.4
175	5 to 9% of m/z 174	6.4 (7.7)
176	Greater than 95% but less than 101% of m/z 174	80.3 (97.5)
177	5 to 9% of m/z 176	5.2 (6.5)

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\BFB22678.D\8260_22.rslt\spectra.d
Injection Date: 22-Oct-2023 14:42:34
Spectrum: Tune Spec :Average 114-116(3.94-3.96) Bgrd 111(3.90)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 108

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3009	70.00	2340	106.00	1377	143.00	3013
37.00	15510	71.00	138	107.00	327	144.00	148
38.00	14053	72.00	1726	110.00	180	145.00	393
39.00	5426	73.00	13160	111.00	224	146.00	430
43.00	176	74.00	51256	112.00	112	147.00	171
44.00	1341	75.00	152064	113.00	212	148.00	782
45.00	2669	76.00	13270	115.00	287	149.00	150
46.00	226	77.00	1910	116.00	1041	150.00	328
47.00	3961	78.00	1198	117.00	1929	152.00	51
48.00	1923	79.00	8373	118.00	1066	153.00	149
49.00	12888	80.00	2481	119.00	1415	154.00	166
50.00	58872	81.00	8914	123.00	50	155.00	796
51.00	18312	82.00	1769	124.00	241	156.00	63
52.00	760	83.00	219	126.00	114	157.00	557
55.00	789	86.00	335	127.00	74	159.00	333
56.00	4138	87.00	12918	128.00	1017	161.00	340
57.00	8209	88.00	12328	129.00	496	171.00	184
58.00	440	91.00	1096	130.00	1012	172.00	769
60.00	2871	92.00	8529	131.00	394	174.00	253184
61.00	14393	93.00	12718	133.00	168	175.00	19544
62.00	14109	94.00	36136	135.00	534	176.00	246976
63.00	10177	95.00	307392	136.00	76	177.00	16121
64.00	1145	96.00	19800	137.00	443	178.00	480
65.00	429	97.00	645	139.00	64	191.00	121
67.00	833	103.00	144	140.00	230	207.00	42
68.00	30872	104.00	1251	141.00	3089	208.00	50
69.00	31280	105.00	435	142.00	366	209.00	52

Report Date: 23-Oct-2023 12:00:47

Chrom Revision: 2.3 22-Sep-2023 11:33:50

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\BFB22678.D

Injection Date: 22-Oct-2023 14:42:34

Instrument ID: A3UX22

Operator ID:

Lims ID: bfb

Worklist Smp#: 1

Client ID:

Injection Vol: 5.0 mL

Dil. Factor: 1.0000

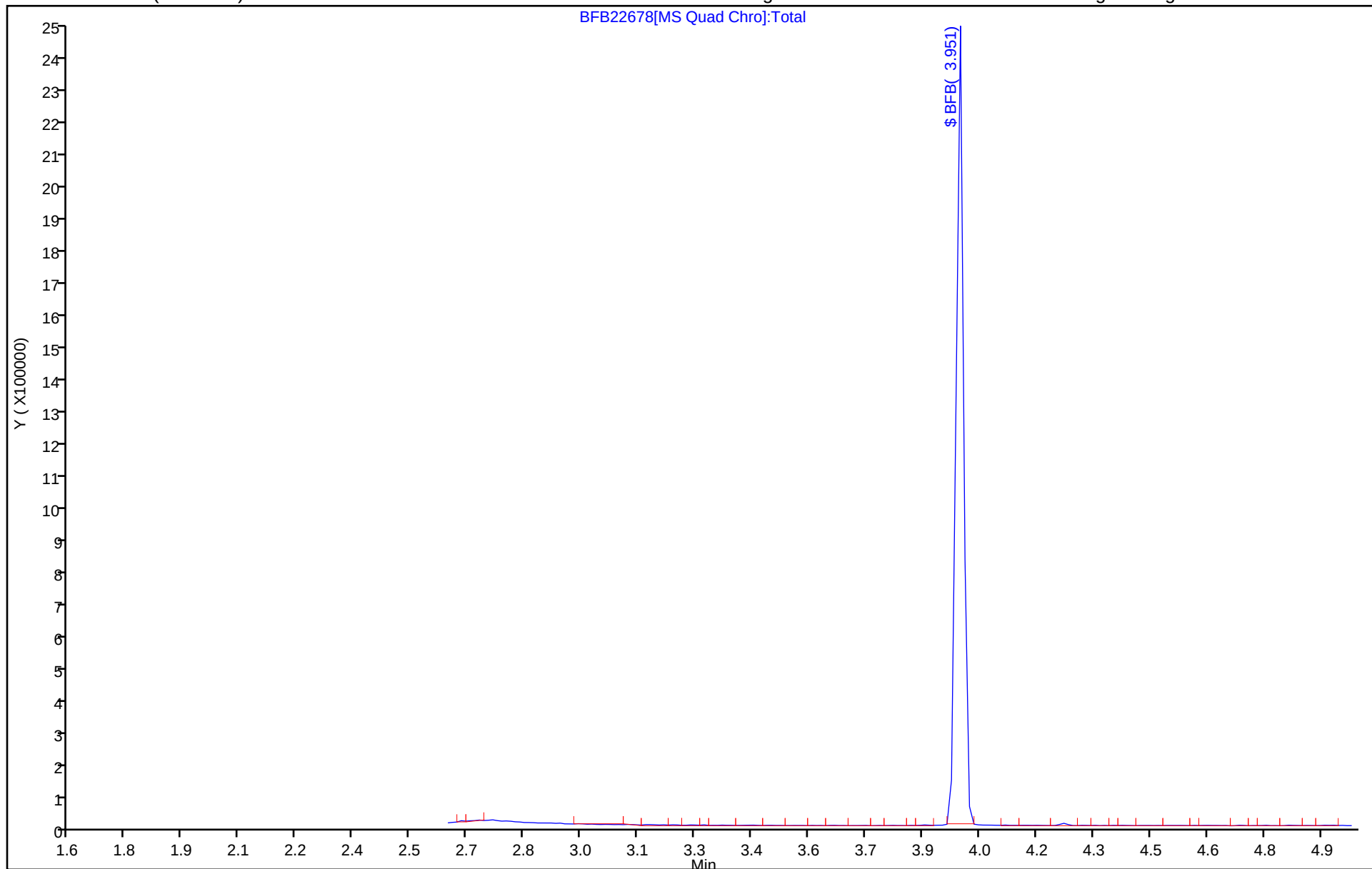
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231023-134987.b\225379.D
Lims ID: bfb
Client ID:
Sample Type: BFB
Inject. Date: 24-Oct-2023 01:59:59 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0134987-002
Operator ID: 002808 Instrument ID: A3UX22
Method: \\chromfs\Canton\ChromData\A3UX22\20231023-134987.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Oct-2023 13:04:18 Calib Date: 11-Sep-2023 18:19:34
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1634

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 8 BFB	95	4.046	4.046	0.000	0	936347	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

vmbfb_00032

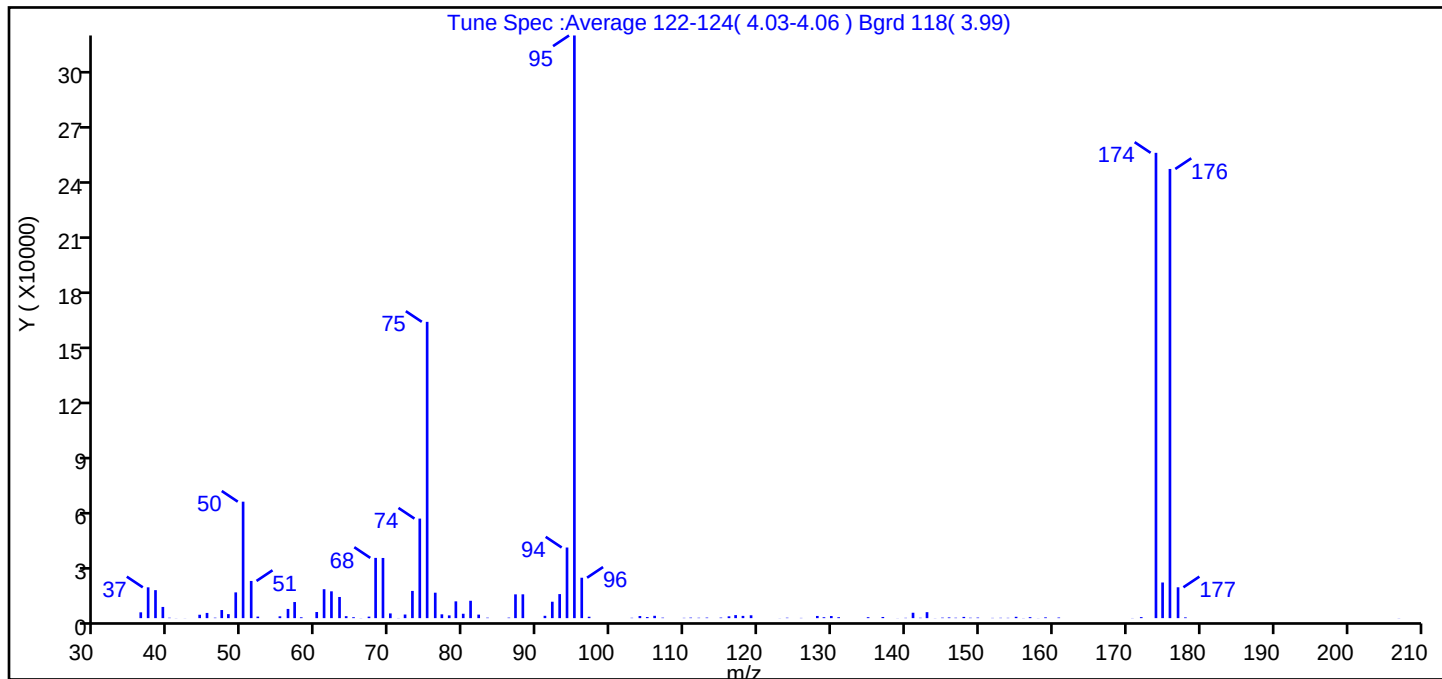
Amount Added: 8.00

Units: uL

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231023-134987.b\225379.D
Injection Date: 24-Oct-2023 01:59:59 Instrument ID: A3UX22
Lims ID: bfb
Client ID:
Operator ID: 002808 ALS Bottle#: 0 Worklist Smp#: 2
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260_22 Limit Group: MSV 8260C ICAL
Tune Method: BFB Method 8260

\$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	20.0
75	30 to 60% of m/z 95	50.9
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	79.9
175	5 to 9% of m/z 174	6.1 (7.7)
176	Greater than 95% but less than 101% of m/z 174	77.1 (96.5)
177	5 to 9% of m/z 176	5.3 (6.9)

Data File: \\chromfs\Canton\ChromData\A3UX22\20231023-134987.b\225379.D\8260_22.rslt\spectra.d
Injection Date: 24-Oct-2023 01:59:59
Spectrum: Tune Spec :Average 122-124(4.03-4.06) Bgrd 118(3.99)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 106

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3190	67.00	826	103.00	189	143.00	3274
37.00	16872	68.00	32992	104.00	1160	144.00	65
38.00	15324	69.00	32952	105.00	589	145.00	275
39.00	6136	70.00	2588	106.00	1279	146.00	395
40.00	221	71.00	87	107.00	267	147.00	224
41.00	59	72.00	1985	110.00	164	148.00	680
42.00	50	73.00	14906	111.00	290	149.00	222
44.00	1863	74.00	54504	112.00	214	150.00	308
45.00	2852	75.00	162240	113.00	302	152.00	141
46.00	249	76.00	13936	115.00	304	153.00	187
47.00	4444	77.00	2093	116.00	997	154.00	168
48.00	2200	78.00	1508	117.00	1660	155.00	733
49.00	14107	79.00	9197	118.00	1239	156.00	82
50.00	63776	80.00	2404	119.00	1567	157.00	538
51.00	20368	81.00	9510	123.00	54	158.00	56
52.00	844	82.00	1935	124.00	233	159.00	425
55.00	1005	83.00	251	126.00	130	161.00	341
56.00	5039	86.00	281	128.00	1197	171.00	86
57.00	8824	87.00	13022	129.00	501	172.00	560
58.00	462	88.00	13046	130.00	1151	174.00	254784
60.00	3356	91.00	1282	131.00	498	175.00	19520
61.00	15844	92.00	8991	135.00	518	176.00	245952
62.00	14687	93.00	13167	137.00	637	177.00	16896
63.00	11588	94.00	38680	139.00	54	178.00	411
64.00	1084	95.00	319040	140.00	172	207.00	75
65.00	501	96.00	22136	141.00	2958		
66.00	68	97.00	773	142.00	207		

Report Date: 24-Oct-2023 13:04:19

Chrom Revision: 2.3 18-Oct-2023 21:16:54

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231023-134987.b\225379.D

Injection Date: 24-Oct-2023 01:59:59

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: bfb

Worklist Smp#: 2

Client ID:

Injection Vol: 5.0 mL

Dil. Factor: 1.0000

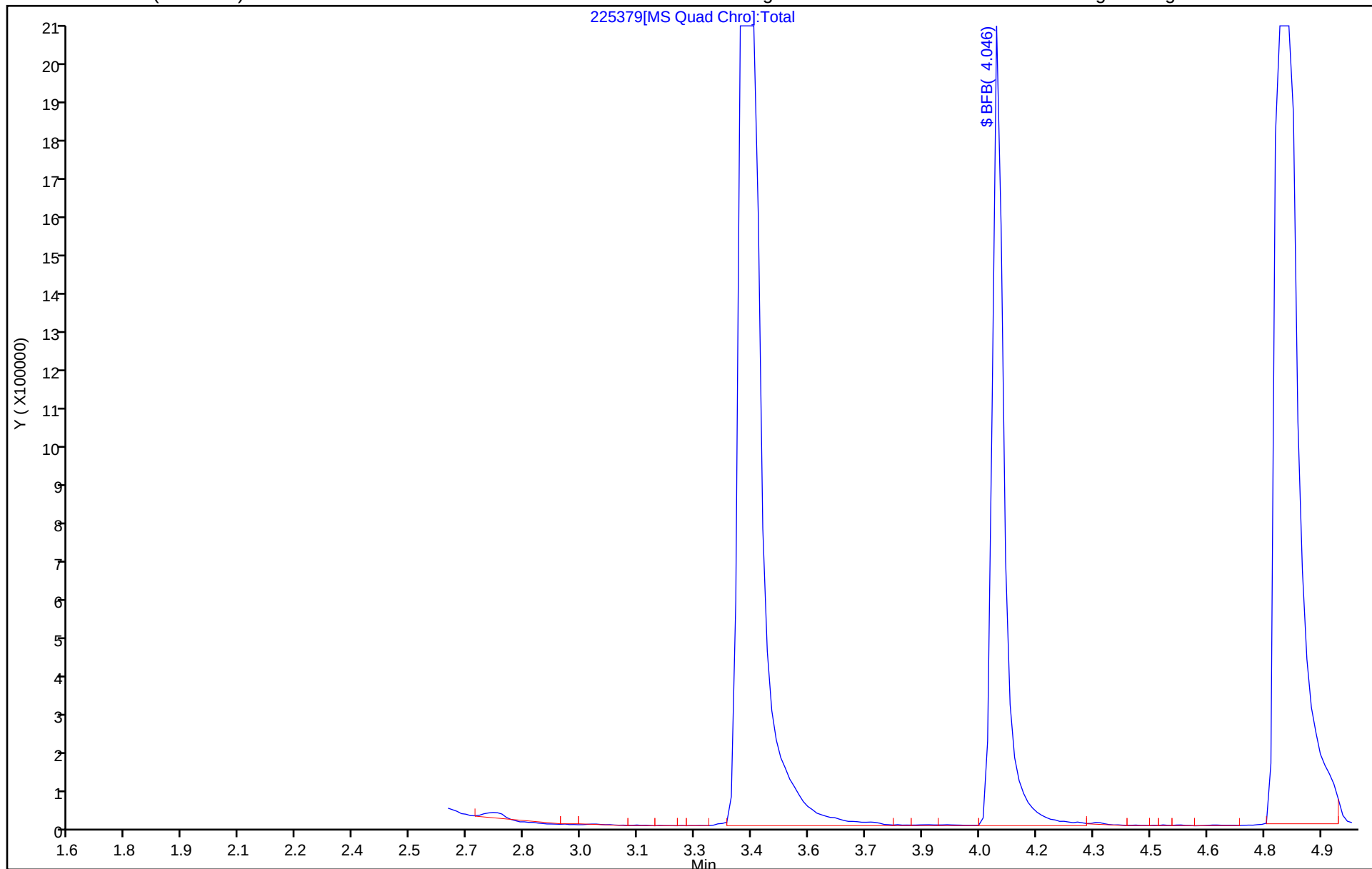
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\BFB23433.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 04-Aug-2023 14:56:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0132136-001
Operator ID: Instrument ID: A3UX23
Method: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\8260_23.m
Limit Group: MSV 8260C ICAL
Last Update: 07-Aug-2023 10:45:53 Calib Date: 04-Aug-2023 19:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1671

First Level Reviewer: SE1B

Date: 07-Aug-2023 10:45:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

\$ 8 BFB	95	3.842	3.842	0.000	0	444425	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

vmbfb_00032

Amount Added: 1.00

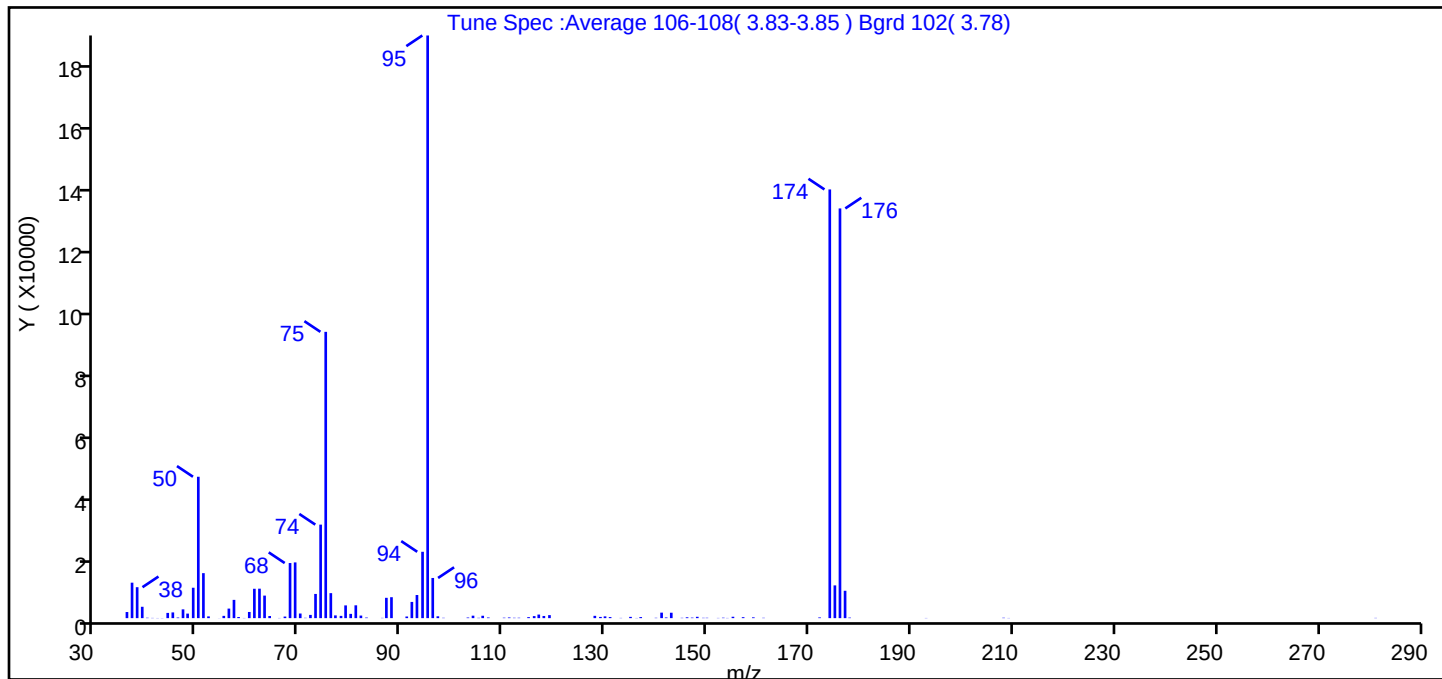
Units: uL

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\BFB23433.D
Injection Date: 04-Aug-2023 14:56:30 Instrument ID: A3UX23
Lims ID: BFB
Client ID:
Operator ID:
Injection Vol: 5.0 mL
Method: 8260_23
Tune Method: BFB Method 8260

ALS Bottle#: 1 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: MSV 8260C ICAL

\$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	24.3
75	30 to 60% of m/z 95	49.1
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	73.6
175	5 to 9% of m/z 174	5.6 (7.6)
176	Greater than 95% but less than 101% of m/z 174	70.3 (95.6)
177	5 to 9% of m/z 176	4.7 (6.7)

Data File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\BFB23433.D\8260_23.rslt\spectra.d
Injection Date: 04-Aug-2023 14:56:30
Spectrum: Tune Spec :Average 106-108(3.83-3.85) Bgrd 102(3.78)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 106

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1936	64.00	675	96.00	12709	142.00	213
37.00	11220	66.00	57	97.00	583	143.00	1712
38.00	9789	67.00	500	98.00	105	145.00	102
39.00	3595	68.00	17432	103.00	195	146.00	266
40.00	126	69.00	17632	104.00	779	147.00	166
41.00	71	70.00	1463	105.00	100	148.00	423
42.00	50	71.00	105	106.00	755	149.00	105
43.00	45	72.00	1024	107.00	198	150.00	116
44.00	1654	73.00	7657	110.00	142	152.00	67
45.00	1811	74.00	29584	111.00	215	153.00	142
46.00	192	75.00	90568	112.00	116	154.00	63
47.00	2780	76.00	7908	113.00	126	155.00	439
48.00	1437	77.00	869	115.00	318	157.00	301
49.00	9619	78.00	716	116.00	644	159.00	248
50.00	44728	79.00	4032	117.00	1133	161.00	107
51.00	14233	80.00	1349	118.00	684	172.00	224
52.00	554	81.00	4059	119.00	952	174.00	135616
54.00	26	82.00	814	128.00	730	175.00	10362
55.00	719	83.00	185	129.00	385	176.00	129608
56.00	3020	86.00	83	130.00	559	177.00	8660
57.00	5780	87.00	6432	131.00	337	178.00	166
58.00	352	88.00	6623	133.00	72	193.00	57
59.00	53	91.00	518	135.00	403	208.00	124
60.00	1951	92.00	5130	136.00	53	209.00	56
61.00	9291	93.00	7316	137.00	332	281.00	79
62.00	9322	94.00	20992	140.00	110		
63.00	7131	95.00	184320	141.00	1742		

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\BFB23433.D

Injection Date: 04-Aug-2023 14:56:30

Instrument ID: A3UX23

Operator ID:

Lims ID: BFB

Worklist Smp#: 1

Client ID:

Injection Vol: 5.0 mL

Dil. Factor: 1.0000

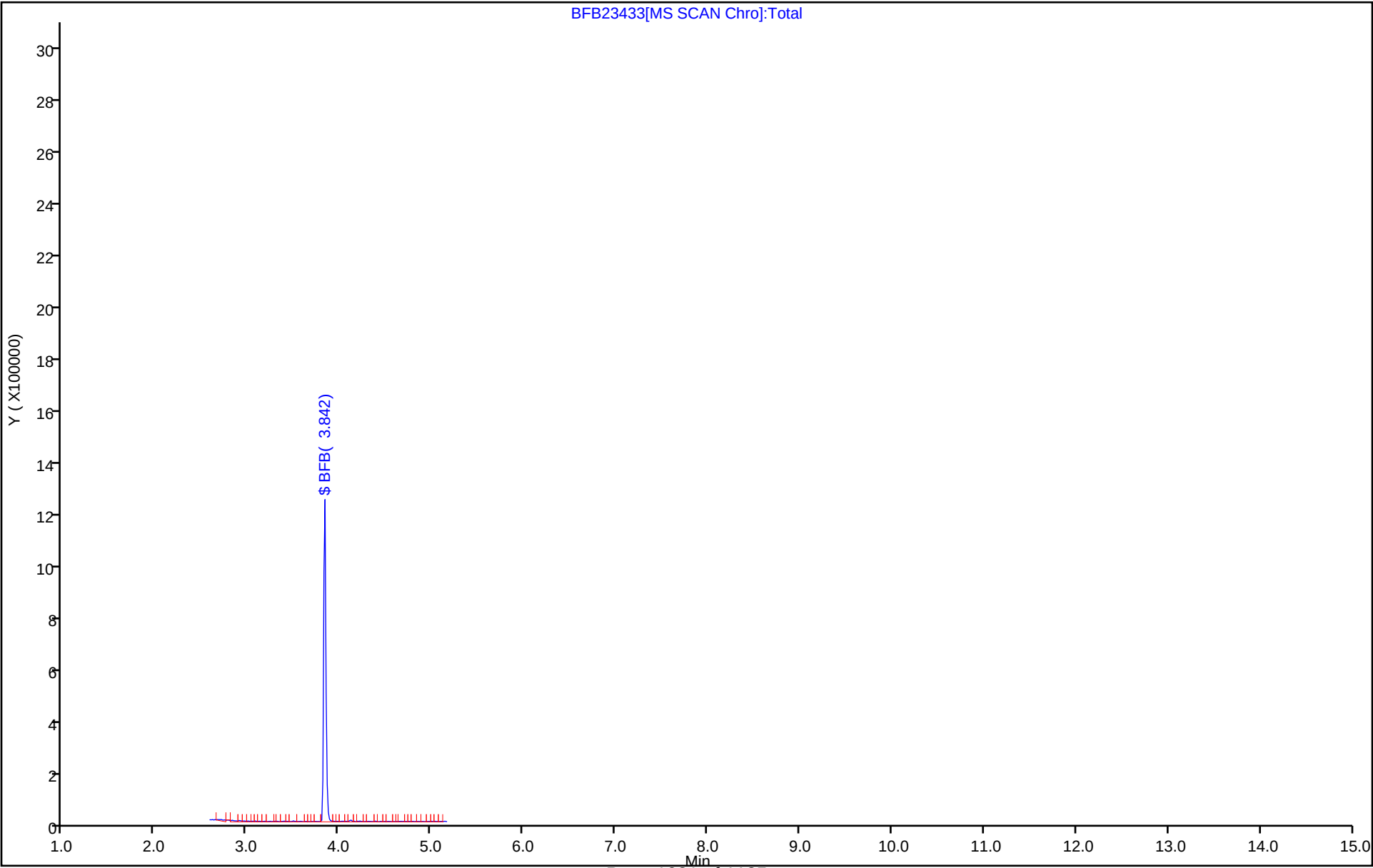
ALS Bottle#: 1

Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\BFB23500.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 19-Oct-2023 13:40:30 ALS Bottle#: 30 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0134843-001
Operator ID: Instrument ID: A3UX23
Method: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\8260_23.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Oct-2023 12:16:20 Calib Date: 04-Aug-2023 19:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1630

First Level Reviewer: PHN3

Date: 19-Oct-2023 13:53:57

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

\$ 8 BFB	95	3.830	3.830	0.000	0	346625	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

vmbfb_00032

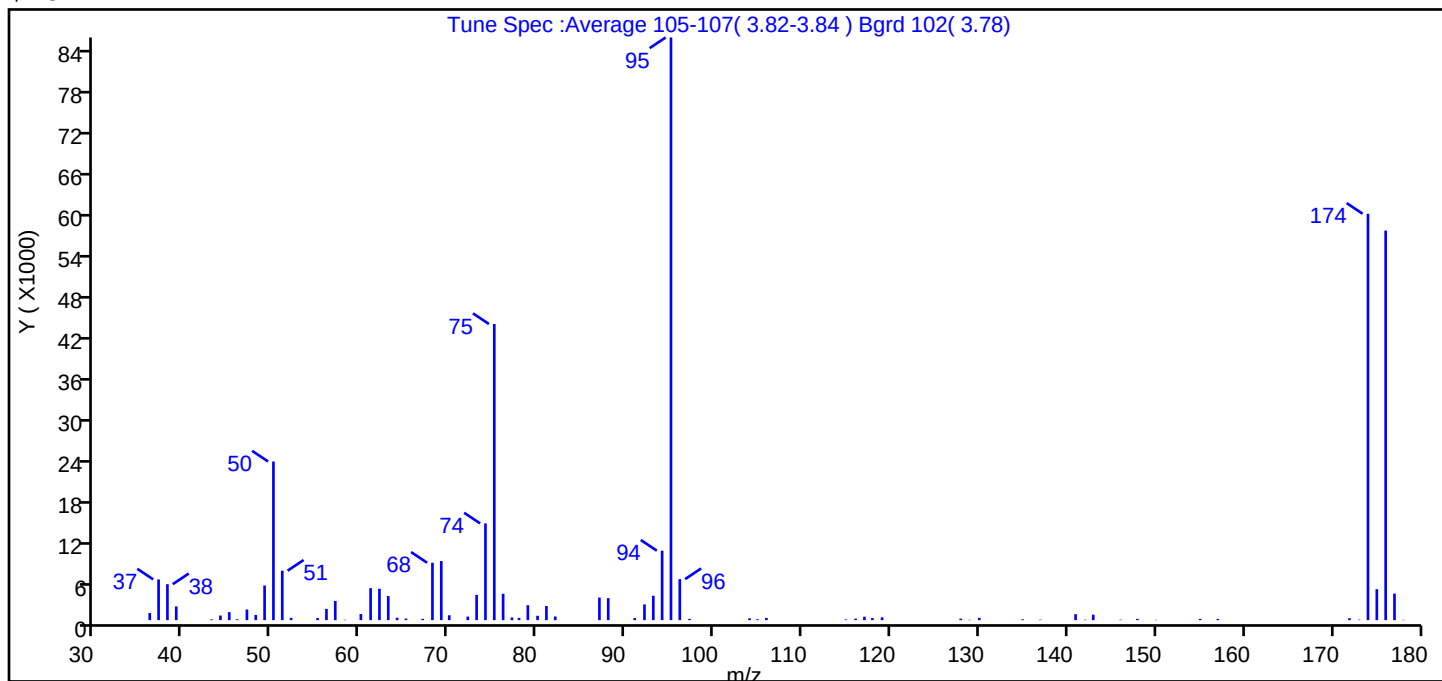
Amount Added: 1.00

Units: uL

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\BFB23500.D
Injection Date: 19-Oct-2023 13:40:30 Instrument ID: A3UX23
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 30 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260_23 Limit Group: MSV 8260C ICAL
Tune Method: BFB Method 8260

\$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	27.2
75	30 to 60% of m/z 95	50.8
96	5 to 9% of m/z 95	7.0
173	Less than 2% of m/z 174	0.1 (0.1)
174	50 to 120% of m/z 95	69.7
175	5 to 9% of m/z 174	5.3 (7.6)
176	Greater than 95% but less than 101% of m/z 174	66.9 (95.9)
177	5 to 9% of m/z 176	4.5 (6.8)

Data File: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\BFB23500.D\8260_23.rslt\spectra.d
Injection Date: 19-Oct-2023 13:40:30
Spectrum: Tune Spec :Average 105-107(3.82-3.84) Bgrd 102(3.78)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 76

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1040	61.00	4700	82.00	534	129.00	56
37.00	5979	62.00	4608	87.00	3318	130.00	330
38.00	5279	63.00	3534	88.00	3227	135.00	127
39.00	2020	64.00	353	91.00	309	137.00	72
43.00	116	65.00	226	92.00	2307	141.00	874
44.00	677	67.00	198	93.00	3581	142.00	69
45.00	1173	68.00	8431	94.00	10203	143.00	803
46.00	125	69.00	8683	95.00	85568	146.00	65
47.00	1561	70.00	715	96.00	6026	148.00	183
48.00	763	72.00	524	97.00	186	150.00	51
49.00	5081	73.00	3711	104.00	269	155.00	191
50.00	23296	74.00	14203	105.00	131	157.00	166
51.00	7262	75.00	43488	106.00	326	172.00	281
52.00	331	76.00	3877	115.00	102	173.00	74
55.00	307	77.00	391	116.00	223	174.00	59680
56.00	1648	78.00	329	117.00	507	175.00	4544
57.00	2817	79.00	2188	118.00	305	176.00	57208
58.00	58	80.00	641	119.00	414	177.00	3892
60.00	898	81.00	2082	128.00	223	178.00	51

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\BFB23500.D

Injection Date: 19-Oct-2023 13:40:30

Instrument ID: A3UX23

Operator ID:

Lims ID: BFB

Worklist Smp#: 1

Client ID:

Injection Vol: 5.0 mL

Dil. Factor: 1.0000

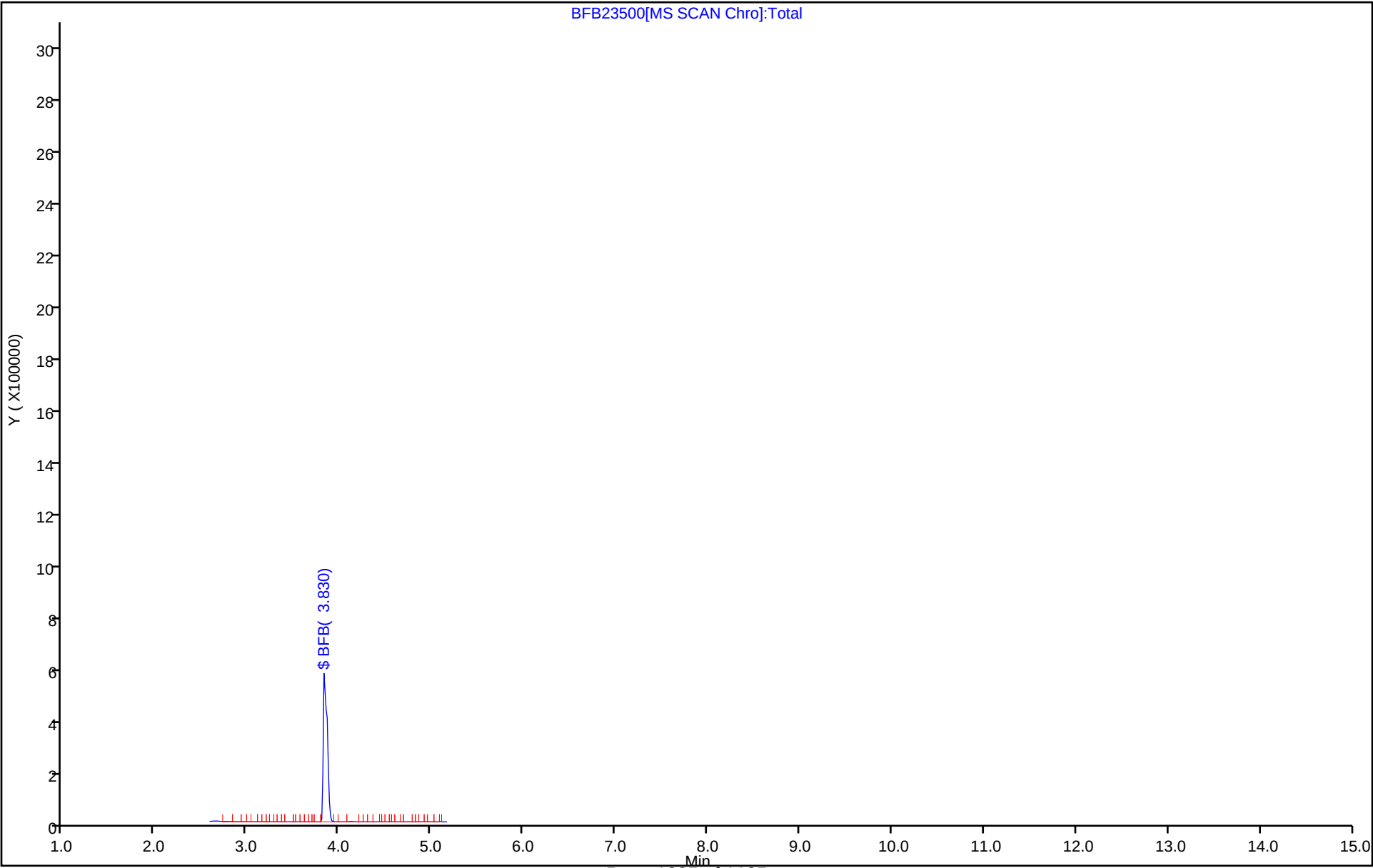
ALS Bottle#: 30

Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\BFB23501.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 20-Oct-2023 13:20:30 ALS Bottle#: 30 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0134906-001
Operator ID: Instrument ID: A3UX23
Method: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\8260_23.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Oct-2023 15:08:40 Calib Date: 04-Aug-2023 19:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1612

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
\$ 8 BFB	95	3.830	3.830	0.000	0	485290	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

vmbfb_00032

Amount Added: 1.00

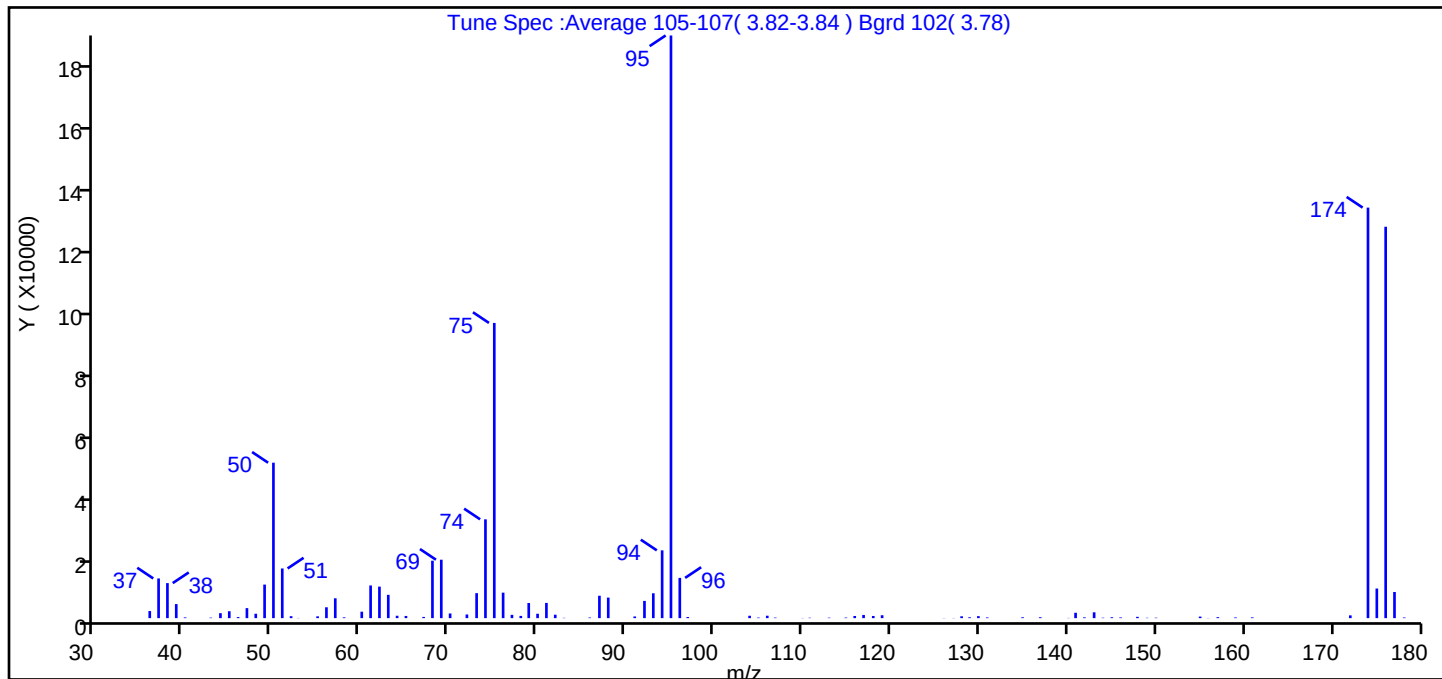
Units: uL

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\BFB23501.D
Injection Date: 20-Oct-2023 13:20:30 Instrument ID: A3UX23
Lims ID: BFB
Client ID:
Operator ID:
Injection Vol: 5.0 mL
Method: 8260_23
Tune Method: BFB Method 8260

ALS Bottle#: 30 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: MSV 8260C ICAL

\$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	26.7
75	30 to 60% of m/z 95	50.7
96	5 to 9% of m/z 95	6.9
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	70.5
175	5 to 9% of m/z 174	5.1 (7.2)
176	Greater than 95% but less than 101% of m/z 174	67.2 (95.3)
177	5 to 9% of m/z 176	4.5 (6.7)

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\BFB23501.D\8260_23.rslt\spectra.d
Injection Date: 20-Oct-2023 13:20:30
Spectrum: Tune Spec :Average 105-107(3.82-3.84) Bgrd 102(3.78)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 93

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2249	64.00	758	94.00	21512	140.00	69
37.00	12599	65.00	695	95.00	184896	141.00	1701
38.00	11124	67.00	387	96.00	12775	142.00	250
39.00	4465	68.00	18232	97.00	347	143.00	1857
40.00	232	69.00	18544	104.00	755	144.00	136
43.00	163	70.00	1483	105.00	179	145.00	277
44.00	1579	72.00	1166	106.00	771	146.00	220
45.00	2193	73.00	7932	107.00	175	148.00	417
46.00	334	74.00	31360	110.00	55	149.00	110
47.00	3179	75.00	93680	111.00	126	150.00	142
48.00	1391	76.00	8091	113.00	154	155.00	490
49.00	10650	77.00	1044	115.00	186	156.00	50
50.00	49328	78.00	710	116.00	686	157.00	304
51.00	15764	79.00	4799	117.00	1012	159.00	218
52.00	621	80.00	1395	118.00	687	161.00	239
53.00	57	81.00	4837	119.00	926	172.00	881
55.00	573	82.00	1090	126.00	52	174.00	130272
56.00	3452	83.00	98	127.00	56	175.00	9400
57.00	6296	86.00	191	128.00	586	176.00	124200
58.00	251	87.00	7105	129.00	273	177.00	8296
60.00	2046	88.00	6521	130.00	636	178.00	203
61.00	10368	91.00	530	131.00	224		
62.00	10002	92.00	5468	135.00	267		
63.00	7396	93.00	7892	137.00	285		

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\BFB23501.D

Injection Date: 20-Oct-2023 13:20:30

Instrument ID: A3UX23

Operator ID:

Lims ID: BFB

Worklist Smp#: 1

Client ID:

Injection Vol: 5.0 mL

Dil. Factor: 1.0000

ALS Bottle#: 30

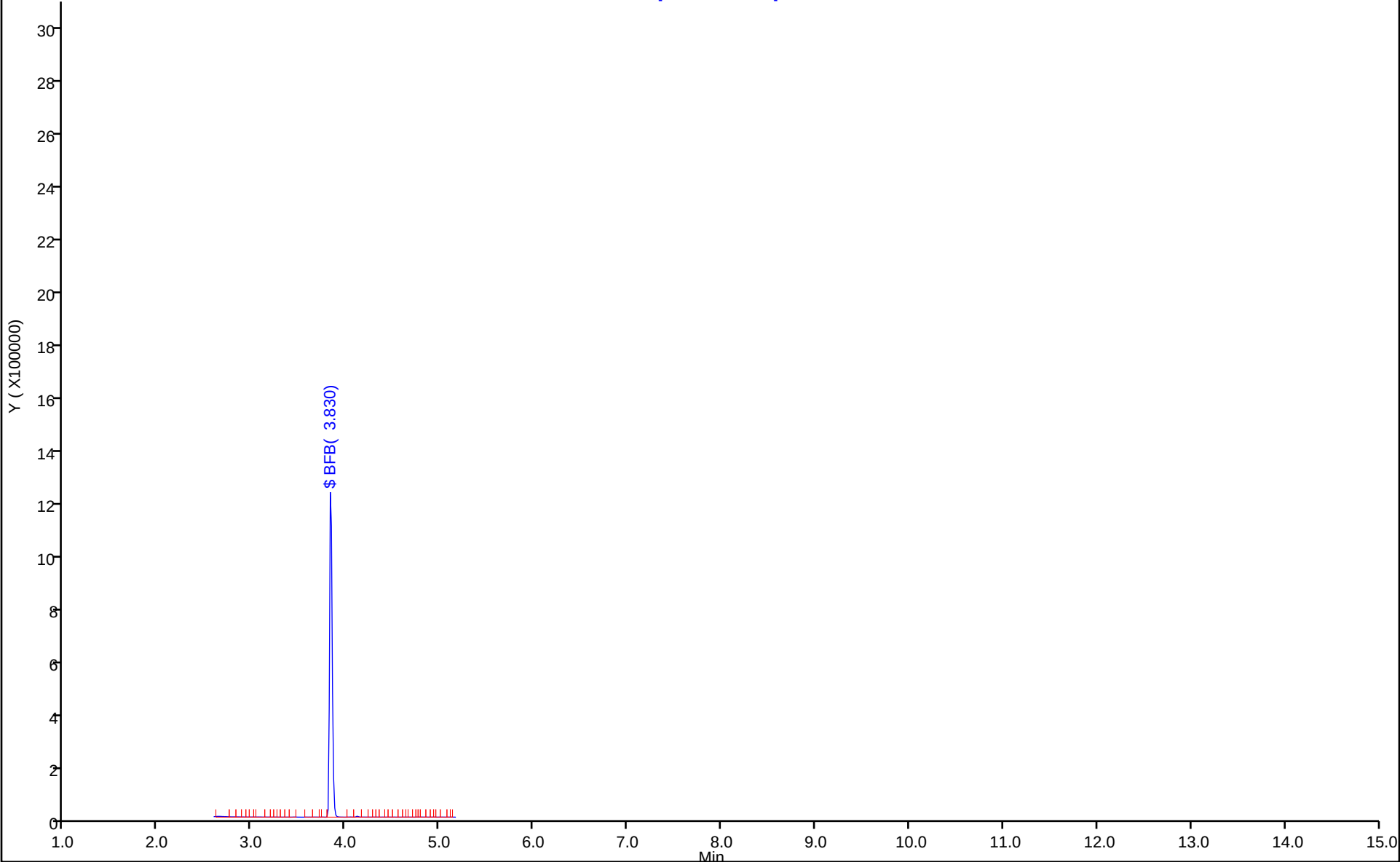
Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value

BFB23501[MS SCAN Chro]:Total



Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\BFB23502.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 22-Oct-2023 14:53:30 ALS Bottle#: 30 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: 240-0134938-001
Operator ID: Instrument ID: A3UX23
Method: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\8260_23.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Oct-2023 14:16:31 Calib Date: 04-Aug-2023 19:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: PHN3

Date: 22-Oct-2023 15:05:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

\$ 8 BFB	95	3.830	3.830	0.000	0	431021	NR	NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

vmbfb_00032

Amount Added: 1.00

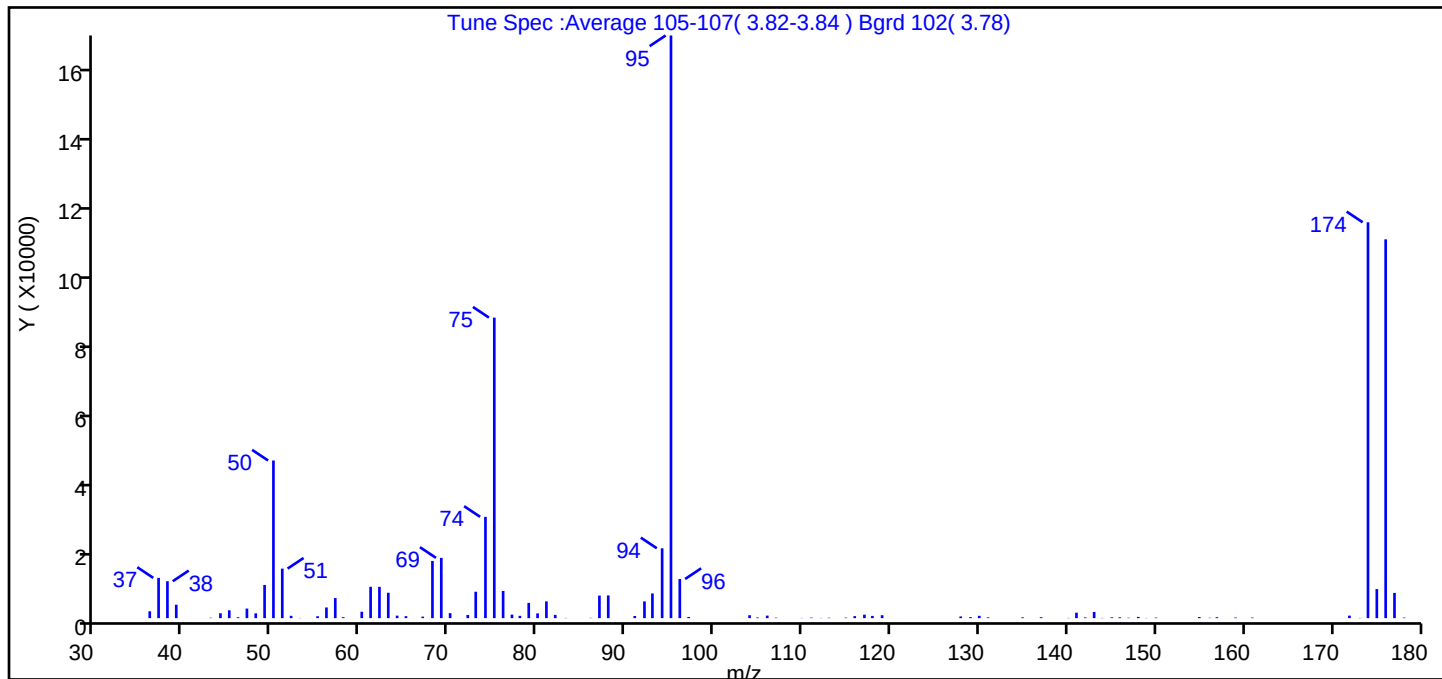
Units: uL

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\BFB23502.D
Injection Date: 22-Oct-2023 14:53:30 Instrument ID: A3UX23
Lims ID: BFB
Client ID:
Operator ID:
Injection Vol: 5.0 mL
Method: 8260_23
Tune Method: BFB Method 8260

ALS Bottle#: 30 Worklist Smp#: 1
Dil. Factor: 1.0000
Limit Group: MSV 8260C ICAL

\$ 8 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	27.1
75	30 to 60% of m/z 95	51.6
96	5 to 9% of m/z 95	6.7
173	Less than 2% of m/z 174	0.0 (0.1)
174	50 to 120% of m/z 95	67.9
175	5 to 9% of m/z 174	5.0 (7.3)
176	Greater than 95% but less than 101% of m/z 174	65.0 (95.7)
177	5 to 9% of m/z 176	4.3 (6.7)

Data File: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\BFB23502.D\8260_23.rslt\spectra.d
Injection Date: 22-Oct-2023 14:53:30
Spectrum: Tune Spec :Average 105-107(3.82-3.84) Bgrd 102(3.78)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 94

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1880	64.00	691	94.00	19200	141.00	1503
37.00	11065	65.00	545	95.00	160128	142.00	195
38.00	10141	67.00	417	96.00	10759	143.00	1695
39.00	3689	68.00	15720	97.00	330	144.00	66
40.00	5	69.00	16568	104.00	803	145.00	227
43.00	115	70.00	1372	105.00	188	146.00	235
44.00	1346	72.00	872	106.00	698	147.00	117
45.00	2158	73.00	7254	107.00	132	148.00	345
46.00	251	74.00	27840	110.00	50	149.00	56
47.00	2631	75.00	82592	111.00	146	150.00	154
48.00	1324	76.00	7466	112.00	56	155.00	310
49.00	9119	77.00	965	113.00	121	156.00	101
50.00	43320	78.00	632	115.00	145	157.00	254
51.00	13607	79.00	4197	116.00	554	159.00	168
52.00	646	80.00	1307	117.00	950	161.00	160
53.00	51	81.00	4604	118.00	613	172.00	693
55.00	529	82.00	895	119.00	807	173.00	72
56.00	2935	83.00	66	128.00	467	174.00	108792
57.00	5510	86.00	80	129.00	284	175.00	7986
58.00	265	87.00	6201	130.00	645	176.00	104104
60.00	1764	88.00	6239	131.00	209	177.00	6938
61.00	8620	91.00	586	135.00	219	178.00	163
62.00	8600	92.00	4600	137.00	252		
63.00	6972	93.00	6790	140.00	62		

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\BFB23502.D

Injection Date: 22-Oct-2023 14:53:30

Instrument ID: A3UX23

Operator ID:

Lims ID: BFB

Worklist Smp#: 1

Client ID:

Injection Vol: 5.0 mL

Dil. Factor: 1.0000

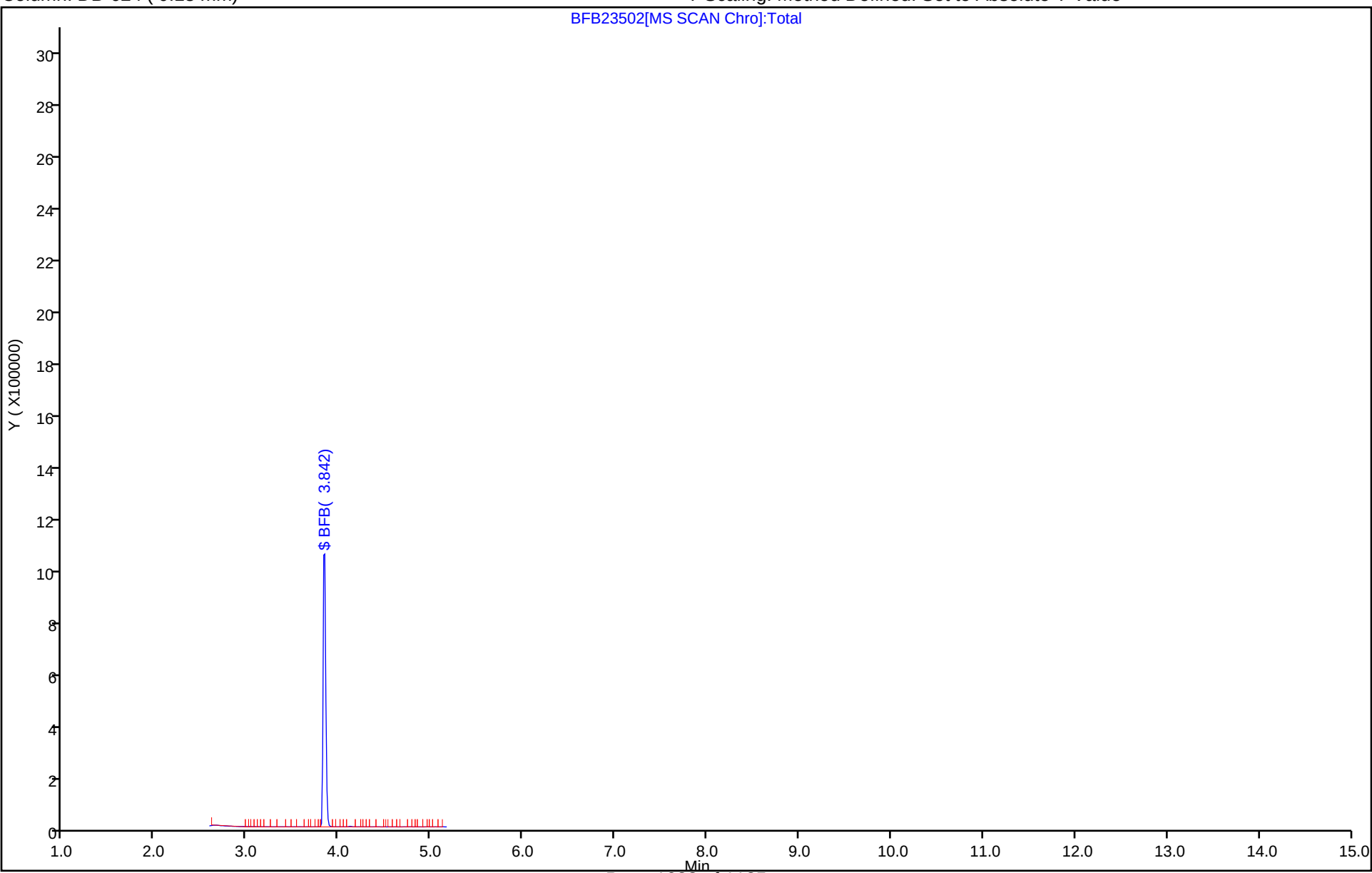
ALS Bottle#: 30

Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 240-591496/8</u>
Matrix: <u>Water</u>	Lab File ID: <u>237970.D</u>
Analysis Method: <u>8260D</u>	Date Collected: _____
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/19/2023 16:09</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591496</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.48
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.46
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
591-78-6	2-Hexanone	10	U	10	1.1
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.42
78-93-3	2-Butanone (MEK)	10	U	10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	10	0.99
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
100-42-5	Styrene	1.0	U	1.0	0.45
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-01-4	Vinyl chloride	1.0	U	1.0	0.45
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 240-591496/8
Matrix: Water Lab File ID: 237970.D
Analysis Method: 8260D Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 10/19/2023 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.: 591496 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	115		62-137
460-00-4	4-Bromofluorobenzene (Surr)	85		56-136
2037-26-5	Toluene-d8 (Surr)	109		78-122
1868-53-7	Dibromofluoromethane (Surr)	111		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\237970.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 19-Oct-2023 16:09:30 ALS Bottle#: 6 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134843-008
 Operator ID: Instrument ID: A3UX23
 Method: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 20-Oct-2023 12:01:53 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1630

First Level Reviewer: PHN3

Date: 19-Oct-2023 17:11:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	619990	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.738	0.000	89	438015	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.058	12.057	0.001	97	200373	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.810	0.000	92	151283	25.0	27.8	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.189	6.188	0.001	97	225691	25.0	28.6	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	96	580174	25.0	27.2	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	86	180759	25.0	21.2	
9 Dichlorodifluoromethane	85		1.266					ND	
10 Chloromethane	50		1.431					ND	
11 Vinyl chloride	62		1.526					ND	
12 Butadiene	54		1.550					ND	
13 Bromomethane	94		1.834					ND	
14 Chloroethane	64		1.917					ND	
15 Dichlorofluoromethane	67		2.118					ND	
16 Trichlorofluoromethane	101		2.177					ND	
17 Ethyl ether	59	2.473	2.461	0.012	86	1495		0.2210	
25 Acetonitrile	41		2.577					ND	
18 Acrolein	56	2.615	2.591	0.024	91	2879		6.77	
19 1,1-Dichloroethene	96		2.686					ND	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	151		2.745					ND	
21 Acetone	58		2.792					ND	7
23 Iodomethane	142		2.851					ND	
24 Carbon disulfide	76	2.923	2.922	0.001	95	2019		0.1228	
26 3-Chloro-1-propene	41		3.135					ND	
27 Methyl acetate	43		3.218					ND	
28 Methylene Chloride	84		3.301					ND	7
29 2-Methyl-2-propanol	59		3.585					ND	
30 Acrylonitrile	53		3.680					ND	
32 trans-1,2-Dichloroethene	96		3.692					ND	7
37 2-Chloro-1,3-butadiene	53		3.725					ND	
31 Methyl tert-butyl ether	73		3.751					ND	
36 Isopropyl ether	87		3.808					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Hexane	57		4.153					ND	
34 1,1-Dichloroethane	63		4.342					ND	
38 Tert-butyl ethyl ether	59		4.376					ND	
35 Vinyl acetate	43		4.496					ND	
42 Propionitrile	54		4.648					ND	
43 Ethyl acetate	43		4.731					ND	
44 Methacrylonitrile	41		4.849					ND	
41 2,2-Dichloropropane	97		5.171					ND	
39 cis-1,2-Dichloroethene	96		5.171					ND	
40 2-Butanone (MEK)	72	5.277	5.254	0.023	96	223		0.1965	
45 Chlorobromomethane	128		5.478					ND	
46 Tetrahydrofuran	42		5.573					ND	
47 Chloroform	83		5.609					ND	
48 1,1,1-Trichloroethane	97		5.798					ND	
55 Tert-amyl methyl ether	73		5.855					ND	
49 Cyclohexane	56		5.857					ND	
51 Carbon tetrachloride	117		5.999					ND	
50 1,1-Dichloropropene	75		6.011					ND	
54 Benzene	78		6.247					ND	
53 1,2-Dichloroethane	62		6.283					ND	
52 Isobutyl alcohol	41		6.295					ND	
57 n-Butanol	56		6.529					ND	
56 n-Heptane	100		6.614					ND	
59 Ethyl acrylate	55		6.636					ND	
62 Methyl methacrylate	41		6.872					ND	
58 Trichloroethene	130		6.993					ND	
60 Methylcyclohexane	83		7.194					ND	
61 1,2-Dichloropropane	63		7.230					ND	
66 2-Nitropropane	41		7.239					ND	
63 Dibromomethane	93		7.348					ND	
64 1,4-Dioxane	88		7.419					ND	
65 Dichlorobromomethane	83		7.537					ND	
67 2-Chloroethyl vinyl ether	63		7.892					ND	
68 cis-1,3-Dichloropropene	75		8.011					ND	
79 Tetrahydrothiophene	60		8.042					ND	
69 4-Methyl-2-pentanone (MIBK)	43		8.212					ND	
70 Toluene	91		8.354					ND	7
71 trans-1,3-Dichloropropene	75		8.590					ND	
77 n-Butyl acetate	43		8.695					ND	
72 Ethyl methacrylate	69		8.721					ND	
73 1,1,2-Trichloroethane	97		8.768					ND	
75 Tetrachloroethene	164		8.910					ND	
74 1,3-Dichloropropane	76		8.934					ND	
76 2-Hexanone	43		9.052					ND	
78 Chlorodibromomethane	129		9.158					ND	
81 1-Chlorohexane	91		9.227					ND	
80 Ethylene Dibromide	107		9.253					ND	
90 1,4-Dichlorobutane	55		9.651					ND	
82 Chlorobenzene	112		9.762					ND	
83 1,1,1,2-Tetrachloroethane	131		9.845					ND	
84 Ethylbenzene	106		9.880					ND	
85 m-Xylene & p-Xylene	106		9.999					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
91 Cyclohexanone	55		10.328					ND	
86 o-Xylene	106		10.389					ND	
87 Styrene	104		10.401					ND	
88 Bromoform	173		10.578					ND	
89 Isopropylbenzene	105		10.768					ND	
93 Bromobenzene	156		11.052					ND	
92 1,1,2,2-Tetrachloroethane	83		11.063					ND	
95 1,2,3-Trichloropropane	110		11.099					ND	
94 trans-1,4-Dichloro-2-butene	53		11.123					ND	
103 Pentachloroethane	167		11.144					ND	
96 N-Propylbenzene	120		11.170					ND	
97 2-Chlorotoluene	126		11.253					ND	
99 1,3,5-Trimethylbenzene	105		11.347					ND	
100 4-Chlorotoluene	126		11.359					ND	
109 1,2,3-Trimethylbenzene	105		11.594					ND	
102 tert-Butylbenzene	119		11.667					ND	
110 Benzyl chloride	126		11.677					ND	
104 1,2,4-Trimethylbenzene	105		11.714					ND	
105 sec-Butylbenzene	105		11.892					ND	
106 1,3-Dichlorobenzene	146		11.986					ND	
107 4-Isopropyltoluene	119		12.034					ND	
108 1,4-Dichlorobenzene	146		12.081					ND	
111 n-Butylbenzene	91		12.448					ND	
112 1,2-Dichlorobenzene	146		12.448					ND	
114 1,3,5-Trichlorobenzene	180		12.884					ND	
113 1,2-Dibromo-3-Chloropropane	157		13.217					ND	
115 1,2,4-Trichlorobenzene	180		14.045					ND	
116 Hexachlorobutadiene	225		14.235					ND	
117 Naphthalene	128		14.282					ND	
118 1,2,3-Trichlorobenzene	180		14.531					ND	
119 2-Methylnaphthalene	142		14.848					ND	
164 2-Ethylhexyl acrylate	1		0.000					ND	
165 Methyl acrylate	1		0.000					ND	
166 n-Butyl acrylate	1		0.000					ND	
167 isobutylene	1		0.000					ND	
126 Butyl Methacrylate TIC	1		0.520					ND	
S 134 Trihalomethanes, Total	1		0.520					ND	
S 158 Total BTEX	1		0.520					ND	
S 131 1,2-Dichloroethene, Total	96		1.660					ND	
S 132 1,3-Dichloropropene, Total	75		7.280					ND	
S 133 Xylenes, Total	106		17.050					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm125UX21_IS_00057	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_SS_00009	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\237970.D

Injection Date: 19-Oct-2023 16:09:30

Instrument ID: A3UX23

Operator ID:

Lims ID: mb

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

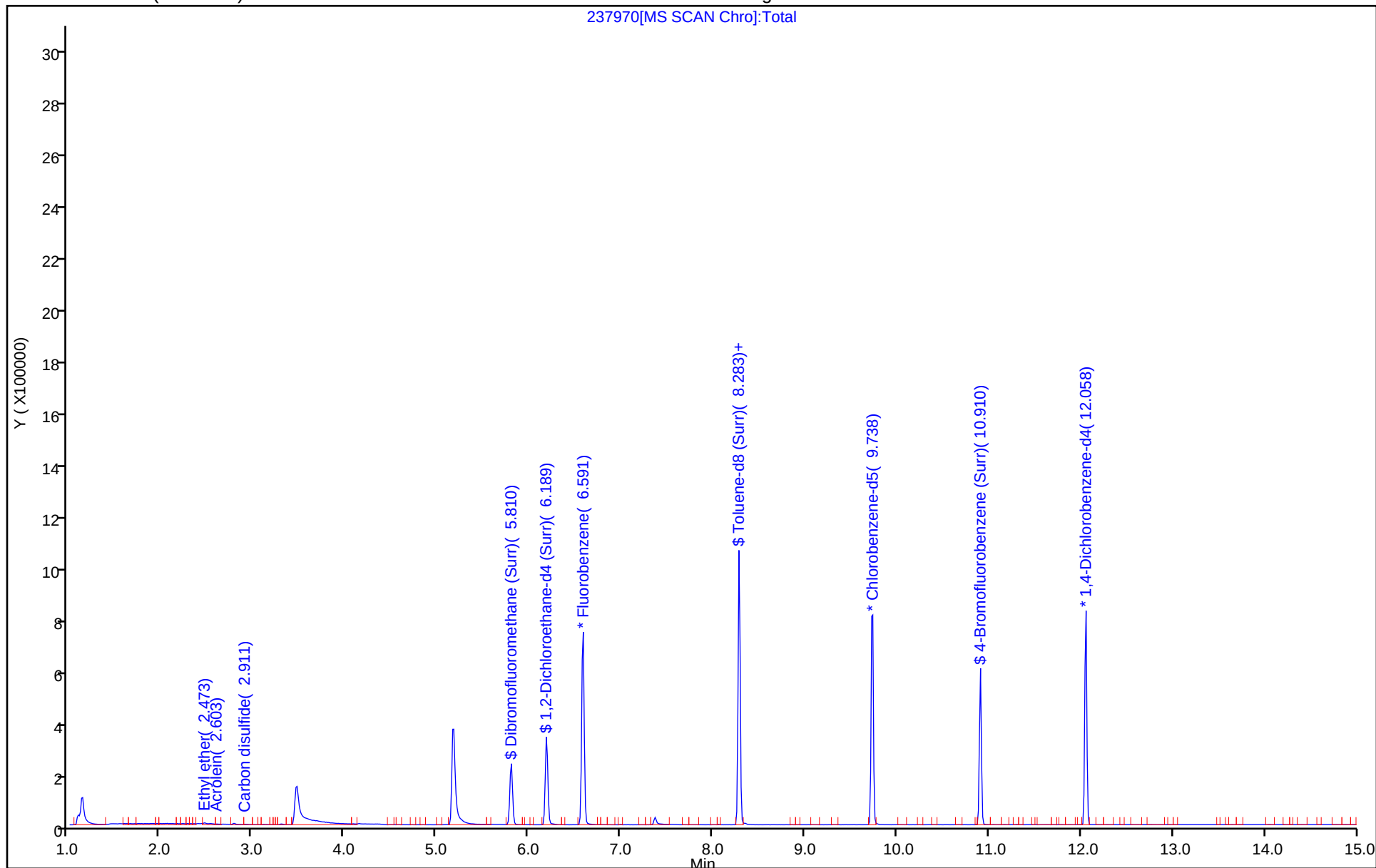
ALS Bottle#: 6

Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\237970.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 19-Oct-2023 16:09:30 ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0134843-008
Operator ID: Instrument ID: A3UX23
Method: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\8260_23.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Oct-2023 12:01:53 Calib Date: 04-Aug-2023 19:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1630

First Level Reviewer: PHN3

Date: 19-Oct-2023 17:11:32

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	27.8	111.14
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	28.6	114.52
\$ 6 Toluene-d8 (Surr)	25.0	27.2	108.75
\$ 7 4-Bromofluorobenzene (Surr)	25.0	21.2	84.69

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 240-591677/8</u>
Matrix: <u>Water</u>	Lab File ID: <u>237998.D</u>
Analysis Method: <u>8260D</u>	Date Collected: _____
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/20/2023 16:00</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591677</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.48
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.46
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
591-78-6	2-Hexanone	10	U	10	1.1
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.42
78-93-3	2-Butanone (MEK)	10	U	10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	10	0.99
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
100-42-5	Styrene	1.0	U	1.0	0.45
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-01-4	Vinyl chloride	1.0	U	1.0	0.45
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 240-591677/8
Matrix: Water Lab File ID: 237998.D
Analysis Method: 8260D Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 10/20/2023 16:00
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 591677 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	112		62-137
460-00-4	4-Bromofluorobenzene (Surr)	85		56-136
2037-26-5	Toluene-d8 (Surr)	108		78-122
1868-53-7	Dibromofluoromethane (Surr)	107		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\237998.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 20-Oct-2023 16:00:30 ALS Bottle#: 6 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134906-008
 Operator ID: Instrument ID: A3UX23
 Method: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 20-Oct-2023 23:29:51 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 20-Oct-2023 17:45:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	610048	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.738	0.000	89	426952	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.058	12.058	0.000	97	194238	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.810	0.000	93	142756	25.0	26.6	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.188	6.188	0.000	98	218113	25.0	28.1	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	96	561748	25.0	27.0	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	85	177424	25.0	21.3	
9 Dichlorodifluoromethane	85		1.266					ND	
10 Chloromethane	50		1.432					ND	
11 Vinyl chloride	62		1.526					ND	
12 Butadiene	54		1.550					ND	
13 Bromomethane	94		1.834					ND	
14 Chloroethane	64		1.917					ND	
15 Dichlorofluoromethane	67		2.118					ND	
16 Trichlorofluoromethane	101		2.177					ND	
17 Ethyl ether	59	2.473	2.473	0.000	92	1807		0.2715	
25 Acetonitrile	41		2.577					ND	
18 Acrolein	56	2.603	2.603	0.000	91	2498		5.97	
19 1,1-Dichloroethene	96		2.698					ND	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	151		2.745					ND	
21 Acetone	58		2.792					ND	7
23 Iodomethane	142		2.863					ND	
24 Carbon disulfide	76		2.923					ND	7
26 3-Chloro-1-propene	41		3.147					ND	
27 Methyl acetate	43		3.218					ND	
28 Methylene Chloride	84		3.313					ND	7
29 2-Methyl-2-propanol	59		3.597					ND	
30 Acrylonitrile	53		3.680					ND	
32 trans-1,2-Dichloroethene	96		3.704					ND	
37 2-Chloro-1,3-butadiene	53		3.725					ND	
31 Methyl tert-butyl ether	73		3.763					ND	
36 Isopropyl ether	87		3.808					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Hexane	57		4.165					ND	
34 1,1-Dichloroethane	63		4.354					ND	
38 Tert-butyl ethyl ether	59		4.376					ND	
35 Vinyl acetate	43		4.508					ND	
42 Propionitrile	54		4.648					ND	
43 Ethyl acetate	43		4.731					ND	
44 Methacrylonitrile	41		4.849					ND	
41 2,2-Dichloropropane	97		5.171					ND	
39 cis-1,2-Dichloroethene	96		5.183					ND	
40 2-Butanone (MEK)	72		5.254					ND	
45 Chlorobromomethane	128		5.478					ND	
46 Tetrahydrofuran	42		5.585					ND	
47 Chloroform	83		5.609					ND	
48 1,1,1-Trichloroethane	97		5.810					ND	
55 Tert-amyl methyl ether	73		5.855					ND	
49 Cyclohexane	56		5.869					ND	
51 Carbon tetrachloride	117		5.999					ND	
50 1,1-Dichloropropene	75		6.011					ND	
54 Benzene	78		6.248					ND	
53 1,2-Dichloroethane	62		6.283					ND	
52 Isobutyl alcohol	41		6.295					ND	
57 n-Butanol	56		6.529					ND	
56 n-Heptane	100		6.614					ND	
59 Ethyl acrylate	55		6.636					ND	
62 Methyl methacrylate	41		6.872					ND	
58 Trichloroethene	130		6.993					ND	
60 Methylcyclohexane	83		7.194					ND	
61 1,2-Dichloropropane	63		7.230					ND	
66 2-Nitropropane	41		7.239					ND	
63 Dibromomethane	93		7.348					ND	
64 1,4-Dioxane	88		7.419					ND	
65 Dichlorobromomethane	83		7.537					ND	
67 2-Chloroethyl vinyl ether	63		7.892					ND	
68 cis-1,3-Dichloropropene	75		8.023					ND	
79 Tetrahydrothiophene	60		8.042					ND	
69 4-Methyl-2-pentanone (MIBK)	43		8.212					ND	
70 Toluene	91		8.354					ND	7
71 trans-1,3-Dichloropropene	75		8.591					ND	
77 n-Butyl acetate	43		8.695					ND	
72 Ethyl methacrylate	69		8.721					ND	
73 1,1,2-Trichloroethane	97		8.768					ND	
75 Tetrachloroethene	164		8.910					ND	
74 1,3-Dichloropropane	76		8.934					ND	
76 2-Hexanone	43		9.052					ND	
78 Chlorodibromomethane	129		9.158					ND	
81 1-Chlorohexane	91		9.227					ND	
80 Ethylene Dibromide	107		9.265					ND	
90 1,4-Dichlorobutane	55		9.651					ND	
82 Chlorobenzene	112		9.762					ND	
83 1,1,1,2-Tetrachloroethane	131		9.845					ND	
84 Ethylbenzene	106		9.880					ND	
85 m-Xylene & p-Xylene	106		9.999					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
91 Cyclohexanone	55		10.328					ND	
86 o-Xylene	106		10.389					ND	
87 Styrene	104		10.401					ND	
88 Bromoform	173		10.578					ND	
89 Isopropylbenzene	105		10.768					ND	
93 Bromobenzene	156		11.052					ND	
92 1,1,2,2-Tetrachloroethane	83		11.064					ND	
95 1,2,3-Trichloropropane	110		11.099					ND	
94 trans-1,4-Dichloro-2-butene	53		11.123					ND	
103 Pentachloroethane	167		11.144					ND	
96 N-Propylbenzene	120		11.170					ND	
97 2-Chlorotoluene	126		11.253					ND	
99 1,3,5-Trimethylbenzene	105		11.348					ND	
100 4-Chlorotoluene	126		11.359					ND	
109 1,2,3-Trimethylbenzene	105		11.594					ND	
110 Benzyl chloride	126		11.677					ND	
102 tert-Butylbenzene	119		11.679					ND	
104 1,2,4-Trimethylbenzene	105		11.714					ND	
105 sec-Butylbenzene	105		11.892					ND	
106 1,3-Dichlorobenzene	146		11.987					ND	
107 4-Isopropyltoluene	119		12.034					ND	
108 1,4-Dichlorobenzene	146		12.081					ND	
112 1,2-Dichlorobenzene	146		12.448					ND	
111 n-Butylbenzene	91		12.448					ND	
114 1,3,5-Trichlorobenzene	180		12.884					ND	
113 1,2-Dibromo-3-Chloropropane	157		13.217					ND	
115 1,2,4-Trichlorobenzene	180		14.045					ND	
116 Hexachlorobutadiene	225		14.235					ND	
117 Naphthalene	128		14.294					ND	
118 1,2,3-Trichlorobenzene	180		14.531					ND	
119 2-Methylnaphthalene	142		14.848					ND	
164 2-Ethylhexyl acrylate	1		0.000					ND	
165 Methyl acrylate	1		0.000					ND	
166 n-Butyl acrylate	1		0.000					ND	
167 isobutylene	1		0.000					ND	
126 Butyl Methacrylate TIC	1		0.520					ND	
S 134 Trihalomethanes, Total	1		0.520					ND	
S 158 Total BTEX	1		0.520					ND	
S 131 1,2-Dichloroethene, Total	96		1.660					ND	
S 132 1,3-Dichloropropene, Total	75		7.280					ND	
S 133 Xylenes, Total	106		17.050					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm125UX21_IS_00057	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_SS_00009	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 22-Oct-2023 15:08:17

Chrom Revision: 2.3 22-Sep-2023 11:33:50

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\237998.D

Injection Date: 20-Oct-2023 16:00:30

Instrument ID: A3UX23

Operator ID:

Lims ID: mb

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

ALS Bottle#: 6

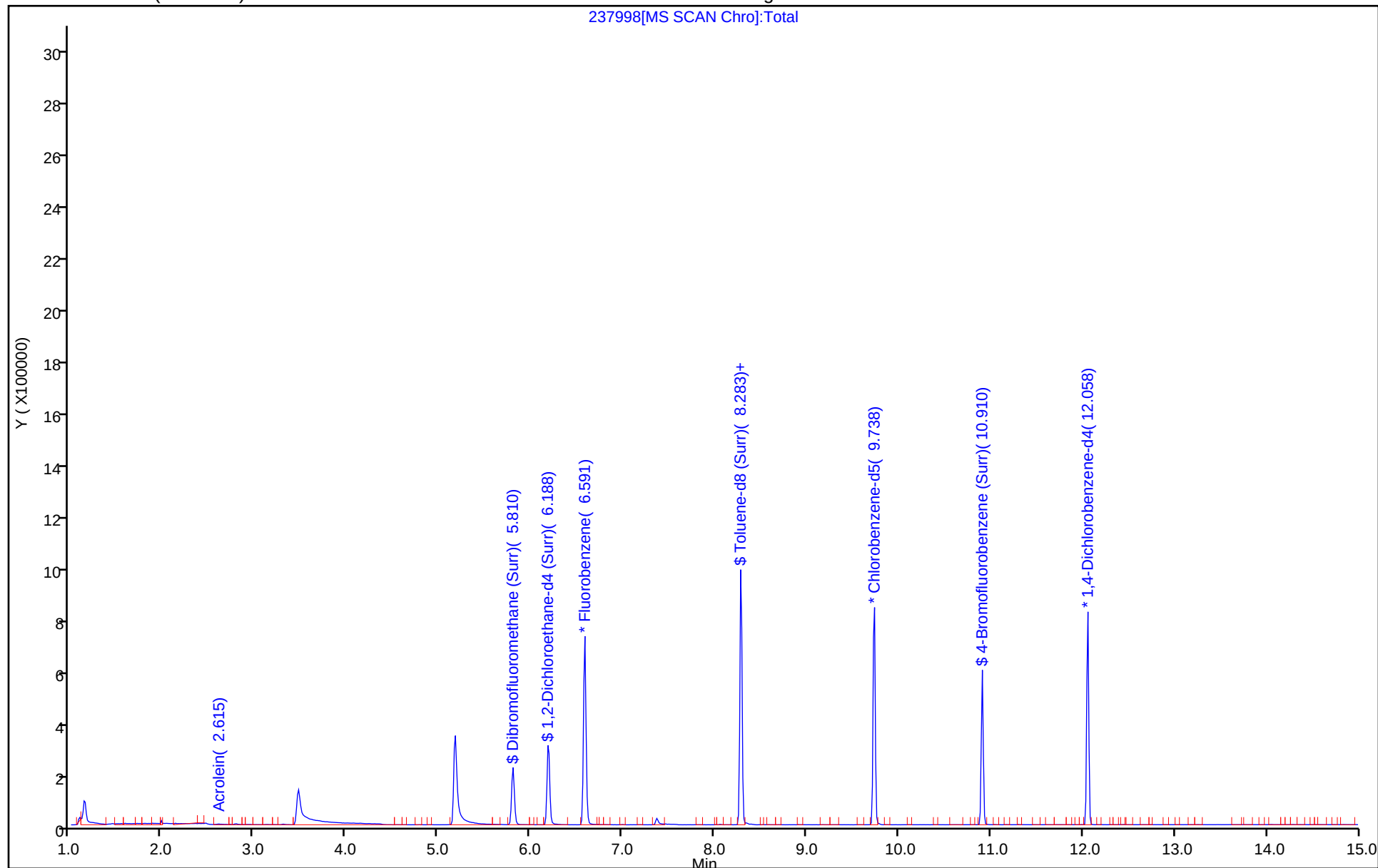
Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value

237998[MS SCAN Chro]:Total



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\237998.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 20-Oct-2023 16:00:30 ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0134906-008
Operator ID: Instrument ID: A3UX23
Method: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\8260_23.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Oct-2023 23:29:51 Calib Date: 04-Aug-2023 19:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1612

First Level Reviewer: PHN3

Date: 20-Oct-2023 17:45:51

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	26.6	106.58
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	28.1	112.48
\$ 6 Toluene-d8 (Surr)	25.0	27.0	108.02
\$ 7 4-Bromofluorobenzene (Surr)	25.0	21.3	85.29

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 240-591678/8</u>
Matrix: <u>Water</u>	Lab File ID: <u>225294.D</u>
Analysis Method: <u>8260D</u>	Date Collected: _____
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/20/2023 16:20</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591678</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.48
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.46
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
591-78-6	2-Hexanone	10	U	10	1.1
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.42
78-93-3	2-Butanone (MEK)	10	U	10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	10	0.99
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
100-42-5	Styrene	1.0	U	1.0	0.45
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-01-4	Vinyl chloride	1.0	U	1.0	0.45
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 240-591678/8
Matrix: Water Lab File ID: 225294.D
Analysis Method: 8260D Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 10/20/2023 16:20
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.: 591678 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		62-137
460-00-4	4-Bromofluorobenzene (Surr)	90		56-136
2037-26-5	Toluene-d8 (Surr)	94		78-122
1868-53-7	Dibromofluoromethane (Surr)	94		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225294.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 20-Oct-2023 16:20:54 ALS Bottle#: 0 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134907-008
 Operator ID: 002808 Instrument ID: A3UX22
 Method: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 22-Oct-2023 15:07:24 Calib Date: 11-Sep-2023 18:19:34
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 20-Oct-2023 18:13:51

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.263	7.251	0.012	99	1139689	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.394	0.000	87	827781	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	95	432522	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	279768	25.0	23.5	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	324656	25.0	25.5	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	94	1032112	25.0	23.5	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.437	11.437	0.000	96	356287	25.0	22.4	
9 Dichlorodifluoromethane	85		1.239					ND	
10 Chloromethane	50		1.429					ND	
171 isobutylene	56		1.488					ND	
12 Vinyl chloride	62		1.523					ND	
11 Butadiene	54		1.559					ND	
13 Bromomethane	94		1.856					ND	
15 Chloroethane	64		1.962					ND	
17 Trichlorofluoromethane	101		2.199					ND	
14 1-Chloro-1-fluoroethane TIC	47		2.215					ND	
16 Dichlorofluoromethane	67		2.223					ND	
18 Ethyl ether	59	2.603	2.603	-0.001	88	2091		0.2473	
21 1,1,2-Trichloro-1,2,2-trifluoro	101		2.828					ND	
19 Acrolein	56		2.852					ND	
20 1,1-Dichloroethene	96		2.864					ND	
23 Methylal	45		2.994					ND	
22 Acetone	43	3.077	3.065	0.012	100	10658		1.68	
24 Iodomethane	142		3.077					ND	7
25 Carbon disulfide	76		3.101					ND	7
27 3-Chloro-1-propene	41		3.409					ND	
28 Methyl acetate	43		3.504					ND	
26 Acetonitrile	41	3.587	3.575	0.012	96	5646		2.02	
29 Methylene Chloride	84		3.658					ND	7
30 2-Methyl-2-propanol	59		3.943					ND	
33 Methyl tert-butyl ether	73		4.014					ND	
32 trans-1,2-Dichloroethene	96		4.014					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53		4.215					ND	
34 Hexane	57		4.370					ND	
35 1,1-Dichloroethane	63		4.856					ND	
37 Isopropyl ether	87		4.915					ND	
38 2-Chloro-1,3-butadiene	53		4.939					ND	
36 Vinyl acetate	43		4.986					ND	
39 Tert-butyl ethyl ether	59		5.496					ND	
42 2,2-Dichloropropane	97		5.733					ND	
41 cis-1,2-Dichloroethene	96		5.793					ND	
40 2-Butanone (MEK)	72	5.899	5.887	0.012	67	432		0.1800	
44 Ethyl acetate	43		5.947					ND	
168 Methyl acrylate	55		5.994					ND	
43 Propionitrile	54		6.077					ND	
46 Chlorobromomethane	49		6.136					ND	
47 Tetrahydrofuran	42		6.136					ND	
45 Methacrylonitrile	41		6.219					ND	
48 Chloroform	83		6.267					ND	
50 Cyclohexane	84		6.350					ND	
49 1,1,1-Trichloroethane	97		6.397					ND	
52 Carbon tetrachloride	117		6.552					ND	
51 1,1-Dichloropropene	75		6.623					ND	
54 Benzene	78		6.872					ND	
53 Isobutyl alcohol	41		6.967					ND	
55 1,2-Dichloroethane	62		7.014					ND	
56 Tert-amyl methyl ether	73		7.026					ND	
57 n-Heptane	100		7.144					ND	
59 Trichloroethene	130		7.666					ND	
58 n-Butanol	56		7.737					ND	
61 Methylcyclohexane	83		7.773					ND	
60 Ethyl acrylate	55		7.868					ND	
80 Tetrahydrothiophene	60		7.931					ND	
62 1,2-Dichloropropane	63		7.975					ND	
64 Dibromomethane	174		8.105					ND	
63 Methyl methacrylate	41		8.117					ND	
65 1,4-Dioxane	88		8.117					ND	
66 Dichlorobromomethane	83		8.283					ND	
67 2-Nitropropane	41	8.662	8.627	0.035	92	848		0.2992	
68 2-Chloroethyl vinyl ether	63		8.651					ND	
69 cis-1,3-Dichloropropene	75		8.781					ND	
70 4-Methyl-2-pentanone (MIBK)	43		8.947					ND	
71 Toluene	91		9.054					ND	7
72 trans-1,3-Dichloropropene	75		9.386					ND	
73 Ethyl methacrylate	69		9.421					ND	
74 1,1,2-Trichloroethane	97		9.552					ND	
75 Tetrachloroethene	166		9.576					ND	
92 1,4-Dichlorobutane	55		9.626					ND	
76 1,3-Dichloropropane	76		9.706					ND	
77 2-Hexanone	43		9.777					ND	
78 n-Butyl acetate	43		9.872					ND	
79 Chlorodibromomethane	129		9.884					ND	
81 Ethylene Dibromide	107		10.002					ND	
82 1-Chlorohexane	91	10.394	10.394	0.000	33	2148		0.3348	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Chlorobenzene	112		10.417					ND	
85 Ethylbenzene	106		10.500					ND	
84 1,1,1,2-Tetrachloroethane	131		10.512					ND	
86 m-Xylene & p-Xylene	106		10.607					ND	
169 n-Butyl acrylate	73		10.939					ND	
87 o-Xylene	106		10.951					ND	
88 Styrene	104		10.975					ND	
89 Bromoform	173		11.165					ND	
90 Isopropylbenzene	105		11.259					ND	
91 Cyclohexanone	55		11.401					ND	
95 Bromobenzene	156		11.556					ND	
93 1,1,2,2-Tetrachloroethane	83		11.580					ND	
98 N-Propylbenzene	120		11.603					ND	
96 1,2,3-Trichloropropane	110		11.627					ND	
97 trans-1,4-Dichloro-2-butene	53		11.639					ND	
100 2-Chlorotoluene	126		11.698					ND	
101 1,3,5-Trimethylbenzene	105		11.757					ND	
102 4-Chlorotoluene	126		11.805					ND	
103 tert-Butylbenzene	119		12.018					ND	
105 1,2,4-Trimethylbenzene	105		12.066					ND	
104 Pentachloroethane	167		12.077					ND	
106 sec-Butylbenzene	105		12.196					ND	
108 4-Isopropyltoluene	119		12.315					ND	
107 1,3-Dichlorobenzene	146		12.327					ND	
109 1,4-Dichlorobenzene	146		12.410					ND	
110 1,2,3-Trimethylbenzene	105		12.421					ND	
111 Benzyl chloride	91		12.528					ND	
112 n-Butylbenzene	91		12.647					ND	
113 1,2-Dichlorobenzene	146		12.706					ND	
114 1,2-Dibromo-3-Chloropropane	157		13.358					ND	
115 1,3,5-Trichlorobenzene	180		13.477					ND	
116 1,2,4-Trichlorobenzene	180		13.975					ND	
117 Hexachlorobutadiene	225		14.070					ND	
170 2-Ethylhexyl acrylate	70		14.082					ND	
118 Naphthalene	128		14.177					ND	
119 1,2,3-Trichlorobenzene	180		14.366					ND	
120 2-Methylnaphthalene	142	15.054	15.054	0.000	92	1832		1.52	
S 125 Trihalomethanes, Total	1		-0.010					ND	
S 124 Total BTEX	1		-0.010					ND	
S 126 1,2-Dichloroethene, Total	96		1.130					ND	
S 127 1,3-Dichloropropene, Total	75		6.750					ND	
S 128 Xylenes, Total	106		16.520					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm25UX18IS_00009	Amount Added: 5.00	Units: uL	Run Reagent

Chrom Revision: 2.3 22-Sep-2023 11:33:50

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225294.D

Instrument ID: A3UX22

Lims ID: mb

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

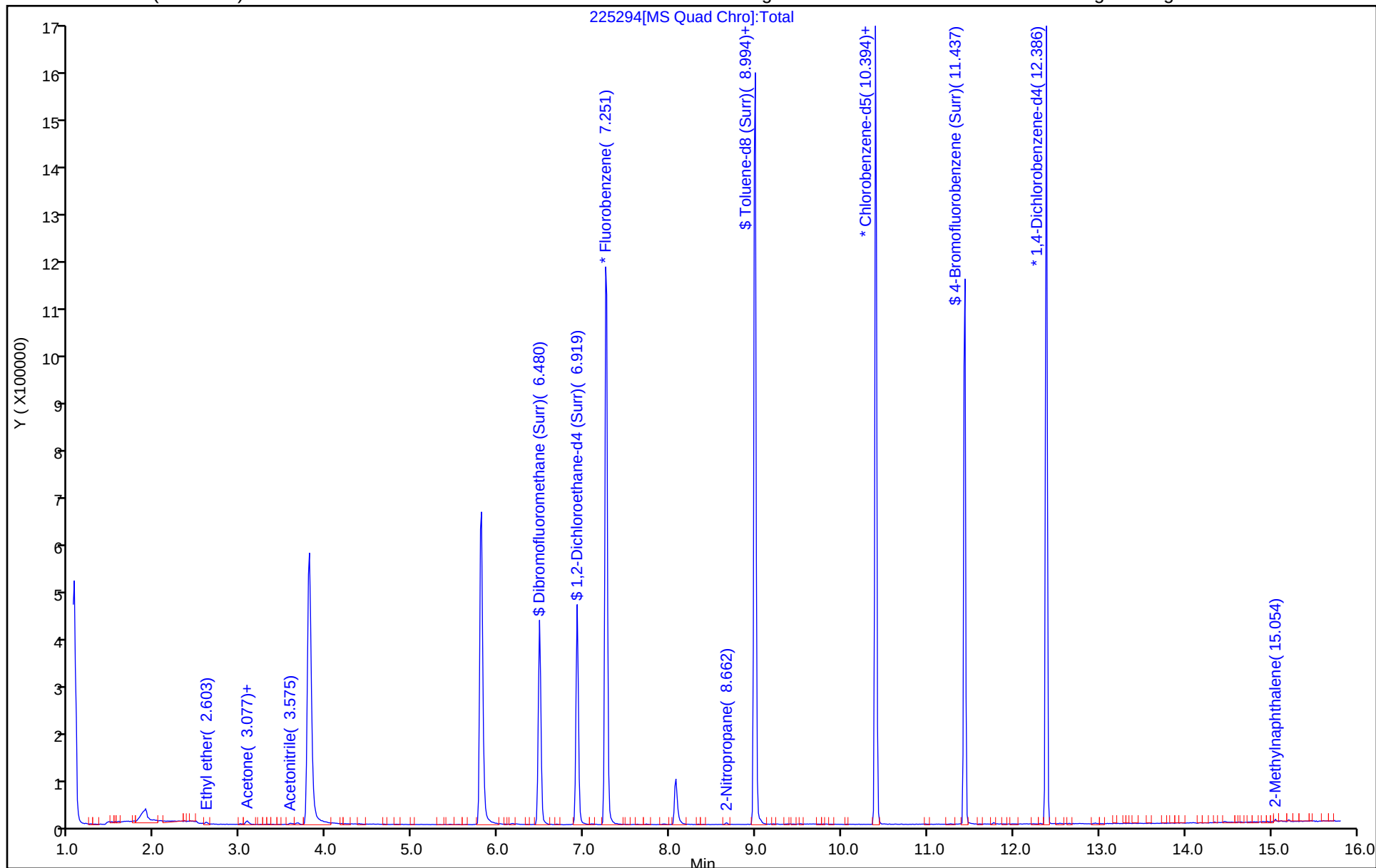
ALS Bottle#: 0

Method: 8260 22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225294.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 20-Oct-2023 16:20:54 ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0134907-008
Operator ID: 002808 Instrument ID: A3UX22
Method: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Oct-2023 15:07:24 Calib Date: 11-Sep-2023 18:19:34
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1612

First Level Reviewer: PHN3

Date: 20-Oct-2023 18:13:51

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	23.5	94.19
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	25.5	102.08
\$ 6 Toluene-d8 (Surr)	25.0	23.5	93.92
\$ 7 4-Bromofluorobenzene (Surr)	25.0	22.4	89.57

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 240-591728/9</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXC3431.D</u>
Analysis Method: <u>8260D</u>	Date Collected: _____
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/21/2023 12:16</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591728</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.48
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.46
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
591-78-6	2-Hexanone	10	U	10	1.1
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.42
78-93-3	2-Butanone (MEK)	10	U	10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	10	0.99
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
100-42-5	Styrene	1.0	U	1.0	0.45
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-01-4	Vinyl chloride	1.0	U	1.0	0.45
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 240-591728/9
Matrix: Water Lab File ID: UXC3431.D
Analysis Method: 8260D Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 10/21/2023 12:16
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 591728 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		62-137
460-00-4	4-Bromofluorobenzene (Surr)	66		56-136
2037-26-5	Toluene-d8 (Surr)	98		78-122
1868-53-7	Dibromofluoromethane (Surr)	102		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\UXC3431.D
 Lims ID: MB
 Client ID:
 Sample Type: MB
 Inject. Date: 21-Oct-2023 12:16:30 ALS Bottle#: 9 Worklist Smp#: 9
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134925-009
 Operator ID: 001904 Instrument ID: A3UX15
 Method: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\8260_15.m
 Limit Group: MSV 8260C ICAL
 Last Update: 22-Oct-2023 17:52:26 Calib Date: 17-Jun-2022 22:33:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2452.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1653

First Level Reviewer: LQ5J

Date: 22-Oct-2023 17:52:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.909	5.909	0.000	99	673186	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.434	8.434	0.000	86	447473	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.557	10.557	0.000	95	150725	20.0	20.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.387	5.387	0.000	93	158862	20.0	20.3	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.660	5.659	0.001	99	189667	20.0	19.4	
\$ 6 Toluene-d8 (Surr)	98	7.189	7.177	0.012	93	586956	20.0	19.6	
\$ 7 4-Bromofluorobenzene (Surr)	95	9.478	9.478	0.000	95	138295	20.0	13.2	
160 Chlorobenzene-d5 (IS)	117		0.680					ND	
9 Dichlorodifluoromethane	85		2.031					ND	
10 Chloromethane	50		2.256					ND	7
11 Vinyl chloride	62		2.387					ND	
12 Butadiene	54		2.422					ND	
13 Bromomethane	94		2.754					ND	7
14 Chloroethane	64		2.837					ND	
15 Dichlorofluoromethane	67		3.051					ND	
16 Trichlorofluoromethane	101		3.062					ND	
17 Ethyl ether	59		3.323					ND	
18 Acrolein	56	3.454	3.454	0.000	1	631		0.7569	
19 1,1-Dichloroethene	96		3.549					ND	
20 1,1,2-Trichloro-1,2,2-trifluoro	151		3.572					ND	
21 Acetone	43		3.572					ND	7
23 Methylal	45		3.652					ND	
22 Iodomethane	142		3.691					ND	
24 Carbon disulfide	76		3.762					ND	
25 Acetonitrile	41		3.821					ND	
27 Methyl acetate	43		3.833					ND	
26 3-Chloro-1-propene	76		3.857					ND	
28 Methylene Chloride	84		3.976					ND	
29 2-Methyl-2-propanol	59		4.023					ND	
30 Acrylonitrile	53		4.153					ND	
31 Methyl tert-butyl ether	73		4.189					ND	
32 trans-1,2-Dichloroethene	96		4.201					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 Hexane	86		4.414					ND	
36 Vinyl acetate	43		4.533					ND	
35 1,1-Dichloroethane	63		4.557					ND	
37 Isopropyl ether	87		4.557					ND	
38 2-Chloro-1,3-butadiene	53		4.616					ND	
39 Tert-butyl ethyl ether	59		4.841					ND	
40 2-Butanone (MEK)	72		4.972					ND	
43 Ethyl acetate	43		4.995					ND	
41 cis-1,2-Dichloroethene	96		5.007					ND	
42 2,2-Dichloropropane	97		5.019					ND	
44 Propionitrile	54		5.031					ND	
45 Methacrylonitrile	41		5.150					ND	
46 Chlorobromomethane	128		5.197					ND	
47 Tetrahydrofuran	42		5.209					ND	
48 Chloroform	83		5.256					ND	
49 1,1,1-Trichloroethane	97		5.410					ND	
50 Cyclohexane	56		5.482					ND	
51 1,1-Dichloropropene	75		5.529					ND	
52 Carbon tetrachloride	117		5.541					ND	
53 Isobutyl alcohol	41		5.541					ND	
55 Benzene	78		5.695					ND	
56 1,2-Dichloroethane	62		5.719					ND	7
57 Tert-amyl methyl ether	73		5.754					ND	
54 Isooctane	57		5.754					ND	U
58 n-Heptane	100		5.873					ND	
59 n-Butanol	56		6.051					ND	
60 Trichloroethene	130		6.193					ND	
61 Ethyl acrylate	55		6.205					ND	
62 Methylcyclohexane	83		6.395					ND	
64 Methyl methacrylate	41		6.395					ND	
63 1,2-Dichloropropane	63		6.407					ND	
66 1,4-Dioxane	88		6.442					ND	
65 Dibromomethane	93		6.478					ND	
67 Dichlorobromomethane	83		6.596					ND	
68 2-Nitropropane	41		6.774					ND	
69 2-Chloroethyl vinyl ether	63		6.798					ND	
70 cis-1,3-Dichloropropene	75		6.952					ND	
71 4-Methyl-2-pentanone (MIBK)	43		7.047					ND	
72 Toluene	91		7.237					ND	
73 trans-1,3-Dichloropropene	75		7.403					ND	
74 Ethyl methacrylate	69		7.415					ND	
75 1,1,2-Trichloroethane	97		7.581					ND	
76 Tetrachloroethene	164		7.687					ND	
77 1,3-Dichloropropane	76		7.735					ND	
78 2-Hexanone	43		7.735					ND	
79 n-Butyl acetate	43		7.818					ND	
80 Chlorodibromomethane	129		7.924					ND	
82 Ethylene Dibromide	107		8.043					ND	
81 Tetrahydrothiophene	60		8.072					ND	
83 1-Chlorohexane	91	8.434	8.399	0.035	33	1256		0.1172	
84 Chlorobenzene	112		8.458					ND	
86 Ethylbenzene	106		8.529					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 1,1,1,2-Tetrachloroethane	131		8.529					ND	
87 m-Xylene & p-Xylene	91		8.636					ND	
88 o-Xylene	106		8.992					ND	
89 Styrene	104		9.004					ND	
90 Bromoform	173		9.193					ND	
91 Isopropylbenzene	105		9.312					ND	
92 Cyclohexanone	55		9.419					ND	
94 1,1,2,2-Tetrachloroethane	83		9.585					ND	
97 trans-1,4-Dichloro-2-butene	53		9.608					ND	
95 Bromobenzene	156		9.632					ND	
96 1,2,3-Trichloropropane	110		9.644					ND	
93 1,4-Dichlorobutane	55		9.661					ND	
98 N-Propylbenzene	120		9.691					ND	
99 2-Chlorotoluene	126		9.798					ND	
101 1,3,5-Trimethylbenzene	105		9.846					ND	
102 4-Chlorotoluene	91		9.905					ND	
100 3-Ethyltoluene	105		10.104					ND	
104 tert-Butylbenzene	119		10.154					ND	
106 1,2,4-Trimethylbenzene	105		10.201					ND	
105 Pentachloroethane	167		10.201					ND	
107 sec-Butylbenzene	105		10.355					ND	
103 2-Ethyltoluene	105		10.389					ND	
108 1,3-Dichlorobenzene	146		10.486					ND	
109 4-Isopropyltoluene	119		10.486					ND	
110 1,4-Dichlorobenzene	146		10.581					ND	
111 1,2,3-Trimethylbenzene	105		10.593					ND	
112 Benzyl chloride	126		10.688					ND	
113 n-Butylbenzene	91		10.877					ND	
114 1,2-Dichlorobenzene	146		10.925					ND	
115 1,2-Dibromo-3-Chloropropane	157		11.660					ND	
116 1,3,5-Trichlorobenzene	180		11.838					ND	
117 1,2,4-Trichlorobenzene	180		12.443					ND	
118 Hexachlorobutadiene	225		12.561					ND	
119 Naphthalene	128		12.703					ND	
120 1,2,3-Trichlorobenzene	180		12.905					ND	
121 2-Methylnaphthalene	142	13.866	13.877	-0.011	92	5747		0.7559	
122 1-Methylnaphthalene	142	14.091	14.091	0.000	44	5022		0.7108	
123 Epichlorohydrin	1		0.780					ND	
125 Propene oxide	1		0.780					ND	
124 Ethylene oxide	1		0.780					ND	
126 1,3-Diethylbenzene TIC	1		0.780					ND	
S 130 Total BTEX	1		0.780					ND	
S 131 Trihalomethanes, Total	1		0.780					ND	
S 127 1,2-Dichloroethene, Total	96		1.920					ND	
S 128 1,3-Dichloropropene, Total	75		7.540					ND	
S 129 Xylenes, Total	106		17.310					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

vm40ml_vials_00026	Amount Added: 0.00	Units:	Run Reagent
vm50is_stk_A_00021	Amount Added: 2.00	Units: uL	Run Reagent
vmDist_H2o_00242	Amount Added: 0.00	Units:	Run Reagent
vm50ss_stk_00094	Amount Added: 2.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\UXC3431.D

Injection Date: 21-Oct-2023 12:16:30

Instrument ID: A3UX15

Operator ID: 001904

Lims ID: MB

Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL

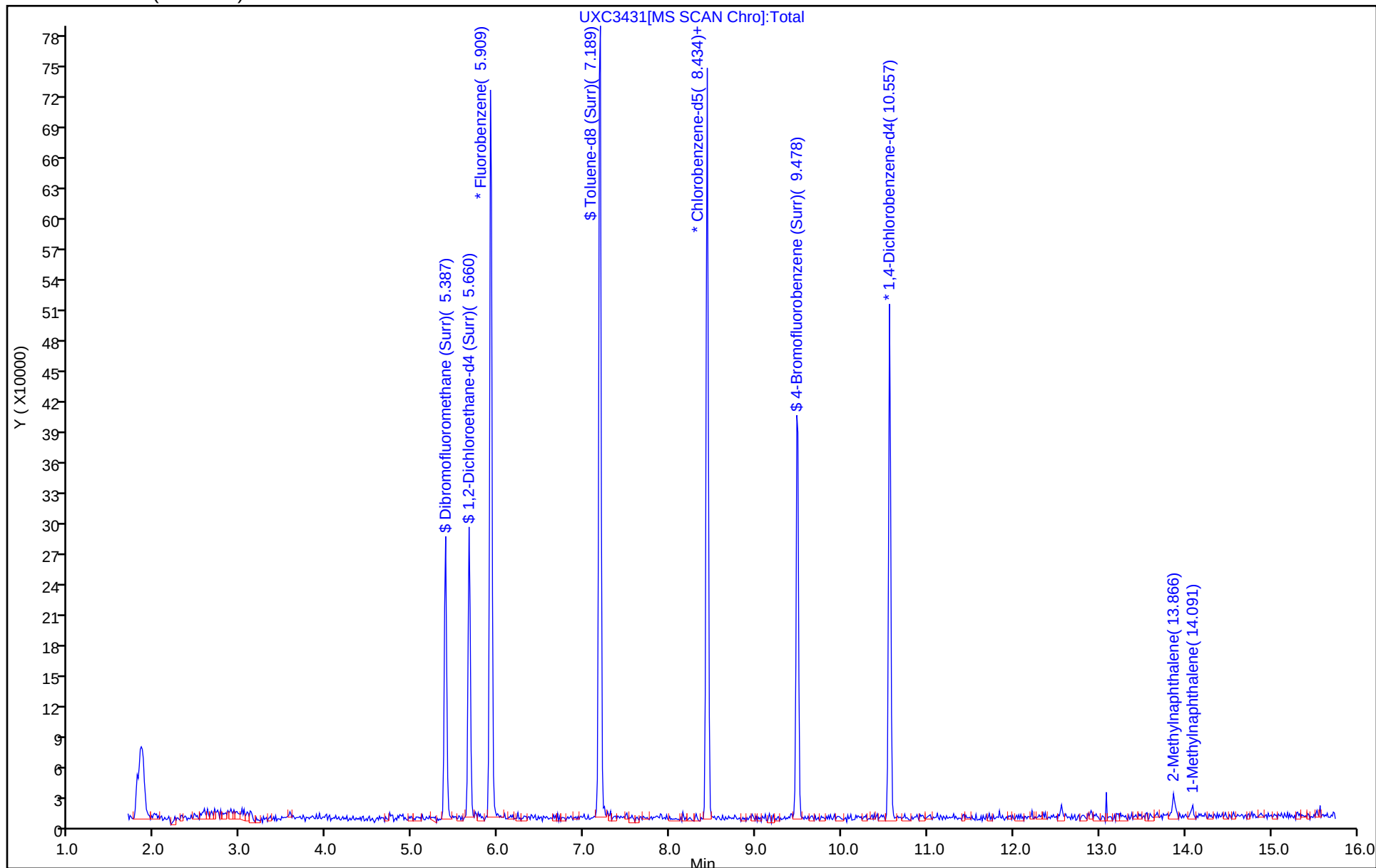
Dil. Factor: 1.0000

ALS Bottle#: 9

Method: 8260_15

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\UXC3431.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 21-Oct-2023 12:16:30 ALS Bottle#: 9 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0134925-009
Operator ID: 001904 Instrument ID: A3UX15
Method: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\8260_15.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Oct-2023 17:52:26 Calib Date: 17-Jun-2022 22:33:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2452.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1653

First Level Reviewer: LQ5J

Date: 22-Oct-2023 17:52:26

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	20.0	20.3	101.70
\$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	19.4	96.79
\$ 6 Toluene-d8 (Surr)	20.0	19.6	98.12
\$ 7 4-Bromofluorobenzene (Surr)	20.0	13.2	66.19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 240-591760/8</u>
Matrix: <u>Water</u>	Lab File ID: <u>225324.D</u>
Analysis Method: <u>8260D</u>	Date Collected: _____
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/22/2023 17:29</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591760</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.48
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.46
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
591-78-6	2-Hexanone	10	U	10	1.1
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.42
78-93-3	2-Butanone (MEK)	10	U	10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	10	0.99
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
100-42-5	Styrene	1.0	U	1.0	0.45
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-01-4	Vinyl chloride	1.0	U	1.0	0.45
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 240-591760/8
Matrix: Water Lab File ID: 225324.D
Analysis Method: 8260D Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 10/22/2023 17:29
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.: 591760 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		62-137
460-00-4	4-Bromofluorobenzene (Surr)	86		56-136
2037-26-5	Toluene-d8 (Surr)	88		78-122
1868-53-7	Dibromofluoromethane (Surr)	95		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225324.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 22-Oct-2023 17:29:50 ALS Bottle#: 0 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134937-008
 Operator ID: 002808 Instrument ID: A3UX22
 Method: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 23-Oct-2023 12:00:02 Calib Date: 11-Sep-2023 18:19:34
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICAL File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1668

First Level Reviewer: PHN3

Date: 22-Oct-2023 18:41:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.251	7.251	0.000	99	1149809	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.394	0.000	89	854970	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	95	446295	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	284170	25.0	23.7	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	325969	25.0	25.4	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	94	999426	25.0	22.0	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.437	11.437	0.000	95	354735	25.0	21.6	
9 Dichlorodifluoromethane	85		1.239					ND	
10 Chloromethane	50		1.428					ND	
171 isobutylene	56		1.488					ND	
12 Vinyl chloride	62		1.523					ND	
11 Butadiene	54		1.559					ND	
13 Bromomethane	94	1.855	1.855	0.000	86	1676		0.2975	
15 Chloroethane	64		1.962					ND	
17 Trichlorofluoromethane	101		2.211					ND	
14 1-Chloro-1-fluoroethane TIC	47		2.215					ND	
16 Dichlorofluoromethane	67		2.235					ND	
18 Ethyl ether	59	2.591	2.602	-0.011	83	1918		0.2248	
21 1,1,2-Trichloro-1,2,2-trifluoro	101		2.828					ND	
19 Acrolein	56		2.851					ND	
20 1,1-Dichloroethene	96		2.863					ND	
23 Methylal	45		2.994					ND	
22 Acetone	43	3.065	3.065	0.000	98	10433		1.63	
24 Iodomethane	142	3.077	3.077	0.000	35	1645		0.1436	
25 Carbon disulfide	76		3.101					ND	
27 3-Chloro-1-propene	41		3.409					ND	
28 Methyl acetate	43		3.504					ND	
26 Acetonitrile	41	3.587	3.575	0.012	96	4758		1.69	
29 Methylene Chloride	84		3.658					ND	7
30 2-Methyl-2-propanol	59		3.942					ND	
33 Methyl tert-butyl ether	73		4.002					ND	
32 trans-1,2-Dichloroethene	96		4.014					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53		4.215					ND	
34 Hexane	57		4.369					ND	
35 1,1-Dichloroethane	63		4.856					ND	
37 Isopropyl ether	87		4.903					ND	
38 2-Chloro-1,3-butadiene	53		4.939					ND	
36 Vinyl acetate	43		4.986					ND	
39 Tert-butyl ethyl ether	59		5.496					ND	
42 2,2-Dichloropropane	97		5.733					ND	
41 cis-1,2-Dichloroethene	96		5.792					ND	
40 2-Butanone (MEK)	72		5.887					ND	
44 Ethyl acetate	43		5.947					ND	
168 Methyl acrylate	55		5.982					ND	
43 Propionitrile	54		6.077					ND	
46 Chlorobromomethane	49		6.136					ND	
47 Tetrahydrofuran	42		6.136					ND	
45 Methacrylonitrile	41		6.219					ND	
48 Chloroform	83		6.267					ND	
50 Cyclohexane	84		6.350					ND	
49 1,1,1-Trichloroethane	97		6.397					ND	
52 Carbon tetrachloride	117		6.551					ND	
51 1,1-Dichloropropene	75		6.623					ND	
54 Benzene	78		6.872					ND	
53 Isobutyl alcohol	41		6.966					ND	
55 1,2-Dichloroethane	62		7.014					ND	
56 Tert-amyl methyl ether	73		7.026					ND	
57 n-Heptane	100		7.144					ND	
59 Trichloroethene	130		7.666					ND	
58 n-Butanol	56		7.737					ND	
61 Methylcyclohexane	83		7.773					ND	
60 Ethyl acrylate	55		7.868					ND	
80 Tetrahydrothiophene	60		7.931					ND	
62 1,2-Dichloropropane	63		7.974					ND	
64 Dibromomethane	174		8.105					ND	
63 Methyl methacrylate	41		8.117					ND	
65 1,4-Dioxane	88		8.117					ND	
66 Dichlorobromomethane	83		8.283					ND	
67 2-Nitropropane	41	8.662	8.627	0.035	77	845		0.2955	
68 2-Chloroethyl vinyl ether	63		8.650					ND	
69 cis-1,3-Dichloropropene	75		8.781					ND	
70 4-Methyl-2-pentanone (MIBK)	43		8.947					ND	
71 Toluene	91		9.054					ND	7
72 trans-1,3-Dichloropropene	75		9.386					ND	
73 Ethyl methacrylate	69		9.421					ND	
74 1,1,2-Trichloroethane	97		9.552					ND	
75 Tetrachloroethene	166		9.575					ND	
92 1,4-Dichlorobutane	55		9.626					ND	
76 1,3-Dichloropropane	76		9.706					ND	
77 2-Hexanone	43		9.777					ND	
78 n-Butyl acetate	43		9.872					ND	
79 Chlorodibromomethane	129		9.884					ND	
81 Ethylene Dibromide	107		9.990					ND	
82 1-Chlorohexane	91	10.394	10.394	0.000	33	2057		0.3233	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Chlorobenzene	112		10.417					ND	
85 Ethylbenzene	106		10.500					ND	
84 1,1,1,2-Tetrachloroethane	131		10.512					ND	
86 m-Xylene & p-Xylene	106		10.607					ND	
169 n-Butyl acrylate	73		10.939					ND	
87 o-Xylene	106		10.951					ND	
88 Styrene	104		10.975					ND	
89 Bromoform	173		11.164					ND	
90 Isopropylbenzene	105		11.259					ND	
91 Cyclohexanone	55		11.402					ND	
95 Bromobenzene	156		11.556					ND	
93 1,1,2,2-Tetrachloroethane	83		11.579					ND	
98 N-Propylbenzene	120		11.603					ND	
96 1,2,3-Trichloropropane	110		11.627					ND	
97 trans-1,4-Dichloro-2-butene	53		11.639					ND	
100 2-Chlorotoluene	126		11.698					ND	
101 1,3,5-Trimethylbenzene	105		11.757					ND	
102 4-Chlorotoluene	126		11.805					ND	
103 tert-Butylbenzene	119		12.018					ND	
105 1,2,4-Trimethylbenzene	105		12.066					ND	
104 Pentachloroethane	167		12.077					ND	
106 sec-Butylbenzene	105		12.196					ND	
108 4-Isopropyltoluene	119		12.315					ND	
107 1,3-Dichlorobenzene	146		12.327					ND	
109 1,4-Dichlorobenzene	146		12.410					ND	
110 1,2,3-Trimethylbenzene	105		12.421					ND	
111 Benzyl chloride	91		12.528					ND	
112 n-Butylbenzene	91		12.647					ND	
113 1,2-Dichlorobenzene	146		12.706					ND	
114 1,2-Dibromo-3-Chloropropane	157		13.358					ND	
115 1,3,5-Trichlorobenzene	180		13.477					ND	
116 1,2,4-Trichlorobenzene	180		13.975					ND	
117 Hexachlorobutadiene	225		14.058					ND	
170 2-Ethylhexyl acrylate	70		14.082					ND	
118 Naphthalene	128		14.177					ND	7
119 1,2,3-Trichlorobenzene	180		14.366					ND	
120 2-Methylnaphthalene	142	15.054	15.054	0.000	89	2161		1.53	
S 125 Trihalomethanes, Total	1		-0.010					ND	
S 124 Total BTEX	1		-0.010					ND	
S 126 1,2-Dichloroethene, Total	96		1.130					ND	
S 127 1,3-Dichloropropene, Total	75		6.750					ND	
S 128 Xylenes, Total	106		16.520					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm25UX18IS_00009	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 23-Oct-2023 12:00:12

Chrom Revision: 2.3 22-Sep-2023 11:33:50

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225324.D

Injection Date: 22-Oct-2023 17:29:50

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: mb

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

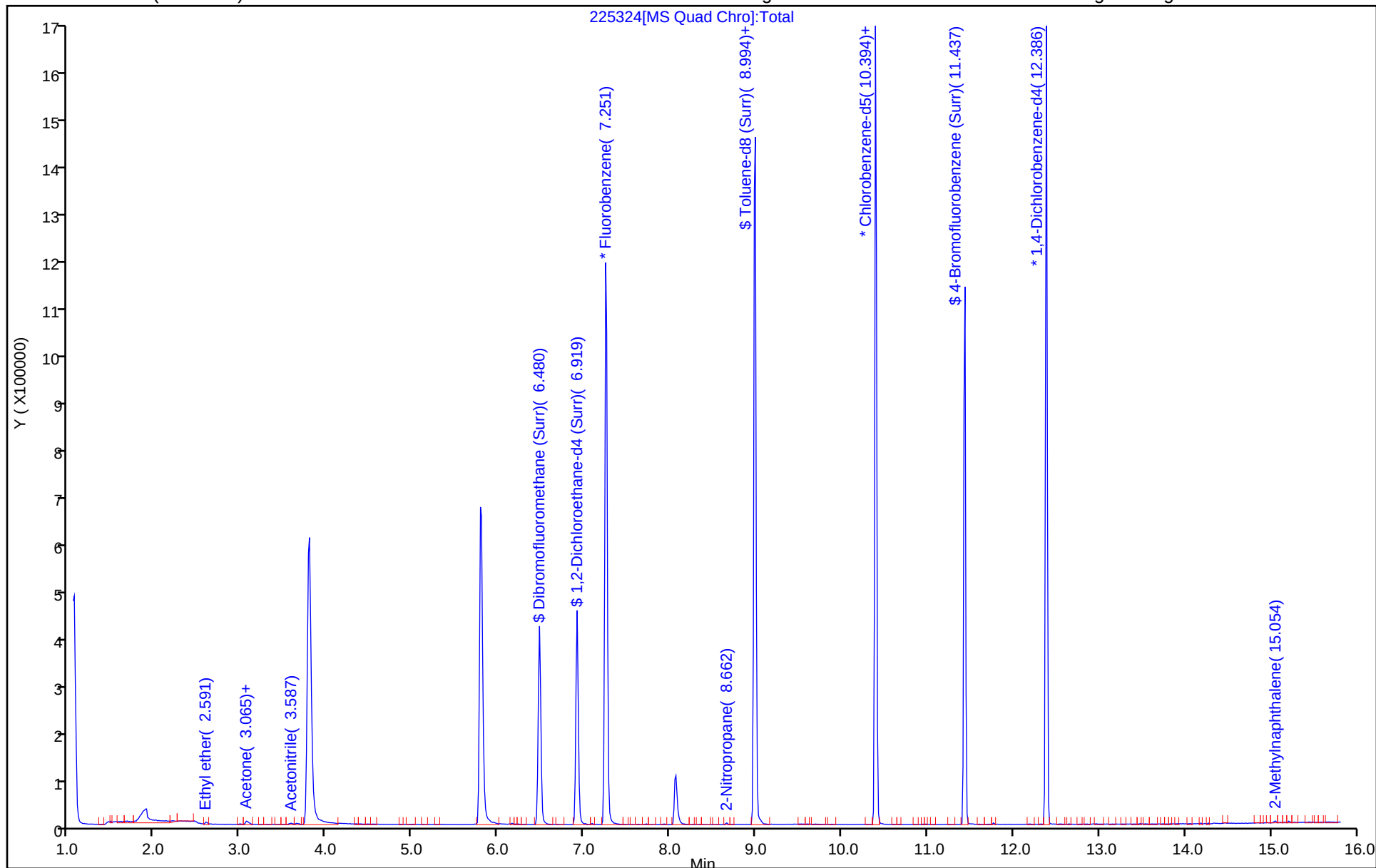
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225324.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 22-Oct-2023 17:29:50 ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0134937-008
Operator ID: 002808 Instrument ID: A3UX22
Method: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Oct-2023 12:00:02 Calib Date: 11-Sep-2023 18:19:34
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: PHN3

Date: 22-Oct-2023 18:41:17

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	23.7	94.83
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	25.4	101.60
\$ 6 Toluene-d8 (Surr)	25.0	22.0	88.05
\$ 7 4-Bromofluorobenzene (Surr)	25.0	21.6	86.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 240-591763/8</u>
Matrix: <u>Water</u>	Lab File ID: <u>238026.D</u>
Analysis Method: <u>8260D</u>	Date Collected: _____
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/22/2023 17:22</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591763</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.48
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.46
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
591-78-6	2-Hexanone	10	U	10	1.1
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.42
78-93-3	2-Butanone (MEK)	10	U	10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	10	0.99
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
100-42-5	Styrene	1.0	U	1.0	0.45
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-01-4	Vinyl chloride	1.0	U	1.0	0.45
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 240-591763/8
Matrix: Water Lab File ID: 238026.D
Analysis Method: 8260D Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 10/22/2023 17:22
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 591763 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	114		62-137
460-00-4	4-Bromofluorobenzene (Surr)	85		56-136
2037-26-5	Toluene-d8 (Surr)	109		78-122
1868-53-7	Dibromofluoromethane (Surr)	109		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\238026.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 22-Oct-2023 17:22:30 ALS Bottle#: 6 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134938-008
 Operator ID: Instrument ID: A3UX23
 Method: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 23-Oct-2023 12:10:30 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1668

First Level Reviewer: PHN3

Date: 22-Oct-2023 18:48:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	602121	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.727	0.011	89	421695	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.057	12.058	-0.001	97	187618	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.798	0.012	92	144349	25.0	27.3	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.188	6.189	0.000	97	218200	25.0	28.5	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	96	558589	25.0	27.2	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	85	173854	25.0	21.2	
9 Dichlorodifluoromethane	85		1.266					ND	
10 Chloromethane	50		1.420					ND	
11 Vinyl chloride	62		1.526					ND	
12 Butadiene	54		1.550					ND	
13 Bromomethane	94		1.834					ND	
14 Chloroethane	64		1.905					ND	
15 Dichlorofluoromethane	67		2.118					ND	
16 Trichlorofluoromethane	101		2.177					ND	
17 Ethyl ether	59	2.473	2.461	0.012	91	1661		0.2528	
25 Acetonitrile	41		2.577					ND	
18 Acrolein	56	2.603	2.591	0.012	27	831		2.01	a
19 1,1-Dichloroethene	96		2.698					ND	
20 1,1,2-Trichloro-1,2,2-trifluoro	151		2.745					ND	
21 Acetone	58		2.781					ND	7
23 Iodomethane	142		2.852					ND	
24 Carbon disulfide	76	2.922	2.923	-0.001	94	1656		0.1037	
26 3-Chloro-1-propene	41	3.124	3.136	-0.012	78	1842		0.1232	
27 Methyl acetate	43		3.218					ND	
28 Methylene Chloride	84		3.301					ND	7
29 2-Methyl-2-propanol	59		3.585					ND	
30 Acrylonitrile	53		3.668					ND	
32 trans-1,2-Dichloroethene	96		3.692					ND	7
37 2-Chloro-1,3-butadiene	53		3.725					ND	
31 Methyl tert-butyl ether	73		3.751					ND	
36 Isopropyl ether	87		3.808					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Hexane	57		4.153					ND	
34 1,1-Dichloroethane	63		4.343					ND	
38 Tert-butyl ethyl ether	59		4.376					ND	
35 Vinyl acetate	43		4.496					ND	
42 Propionitrile	54		4.648					ND	
43 Ethyl acetate	43		4.731					ND	
44 Methacrylonitrile	41		4.849					ND	
39 cis-1,2-Dichloroethene	96	5.183	5.171	0.012	37	1120		0.1580	
41 2,2-Dichloropropane	97		5.171					ND	
40 2-Butanone (MEK)	72		5.254					ND	
45 Chlorobromomethane	128		5.479					ND	
46 Tetrahydrofuran	42		5.573					ND	
47 Chloroform	83		5.609					ND	
48 1,1,1-Trichloroethane	97		5.798					ND	
55 Tert-amyl methyl ether	73		5.855					ND	
49 Cyclohexane	56		5.857					ND	
51 Carbon tetrachloride	117		5.999					ND	
50 1,1-Dichloropropene	75		6.011					ND	
54 Benzene	78		6.248					ND	
53 1,2-Dichloroethane	62		6.283					ND	
52 Isobutyl alcohol	41		6.295					ND	
57 n-Butanol	56		6.529					ND	
56 n-Heptane	100		6.614					ND	
59 Ethyl acrylate	55		6.636					ND	
62 Methyl methacrylate	41		6.872					ND	
58 Trichloroethene	130		6.993					ND	
60 Methylcyclohexane	83		7.194					ND	
61 1,2-Dichloropropane	63		7.230					ND	
66 2-Nitropropane	41		7.239					ND	
63 Dibromomethane	93		7.348					ND	
64 1,4-Dioxane	88		7.419					ND	
65 Dichlorobromomethane	83		7.537					ND	
67 2-Chloroethyl vinyl ether	63		7.892					ND	
68 cis-1,3-Dichloropropene	75		8.011					ND	
79 Tetrahydrothiophene	60		8.042					ND	
69 4-Methyl-2-pentanone (MIBK)	43		8.212					ND	
70 Toluene	91		8.354					ND	7
71 trans-1,3-Dichloropropene	75		8.591					ND	
77 n-Butyl acetate	43		8.695					ND	
72 Ethyl methacrylate	69		8.721					ND	
73 1,1,2-Trichloroethane	97		8.768					ND	
75 Tetrachloroethene	164		8.910					ND	
74 1,3-Dichloropropane	76		8.934					ND	
76 2-Hexanone	43		9.052					ND	
78 Chlorodibromomethane	129		9.159					ND	
81 1-Chlorohexane	91		9.227					ND	
80 Ethylene Dibromide	107		9.253					ND	
90 1,4-Dichlorobutane	55		9.651					ND	
82 Chlorobenzene	112		9.762					ND	
83 1,1,1,2-Tetrachloroethane	131		9.845					ND	
84 Ethylbenzene	106		9.880					ND	
85 m-Xylene & p-Xylene	106		9.999					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
91 Cyclohexanone	55		10.328					ND	
86 o-Xylene	106		10.389					ND	
87 Styrene	104		10.401					ND	
88 Bromoform	173		10.579					ND	
89 Isopropylbenzene	105		10.768					ND	
93 Bromobenzene	156		11.052					ND	
92 1,1,2,2-Tetrachloroethane	83		11.064					ND	
95 1,2,3-Trichloropropane	110		11.099					ND	
94 trans-1,4-Dichloro-2-butene	53		11.111					ND	
103 Pentachloroethane	167		11.144					ND	
96 N-Propylbenzene	120		11.170					ND	
97 2-Chlorotoluene	126		11.253					ND	
99 1,3,5-Trimethylbenzene	105		11.348					ND	
100 4-Chlorotoluene	126		11.359					ND	
109 1,2,3-Trimethylbenzene	105		11.594					ND	
102 tert-Butylbenzene	119		11.667					ND	
110 Benzyl chloride	126		11.677					ND	
104 1,2,4-Trimethylbenzene	105		11.714					ND	
105 sec-Butylbenzene	105		11.892					ND	
106 1,3-Dichlorobenzene	146		11.987					ND	
107 4-Isopropyltoluene	119		12.034					ND	
108 1,4-Dichlorobenzene	146		12.081					ND	
111 n-Butylbenzene	91		12.448					ND	
112 1,2-Dichlorobenzene	146		12.448					ND	
114 1,3,5-Trichlorobenzene	180		12.884					ND	
113 1,2-Dibromo-3-Chloropropane	157		13.217					ND	
115 1,2,4-Trichlorobenzene	180		14.046					ND	
116 Hexachlorobutadiene	225		14.235					ND	
117 Naphthalene	128		14.282					ND	
118 1,2,3-Trichlorobenzene	180		14.531					ND	
119 2-Methylnaphthalene	142		14.848					ND	
164 2-Ethylhexyl acrylate	1		0.000					ND	
165 Methyl acrylate	1		0.000					ND	
166 n-Butyl acrylate	1		0.000					ND	
167 isobutylene	1		0.000					ND	
126 Butyl Methacrylate TIC	1		0.520					ND	
S 134 Trihalomethanes, Total	1		0.520					ND	
S 158 Total BTEX	1		0.520					ND	
S 131 1,2-Dichloroethene, Total	96				0			0.1580	
S 132 1,3-Dichloropropene, Total	75		7.280					ND	
S 133 Xylenes, Total	106		17.050					ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

vm125UX21_IS_00057	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_SS_00009	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\238026.D

Injection Date: 22-Oct-2023 17:22:30

Instrument ID: A3UX23

Operator ID:

Lims ID: mb

Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

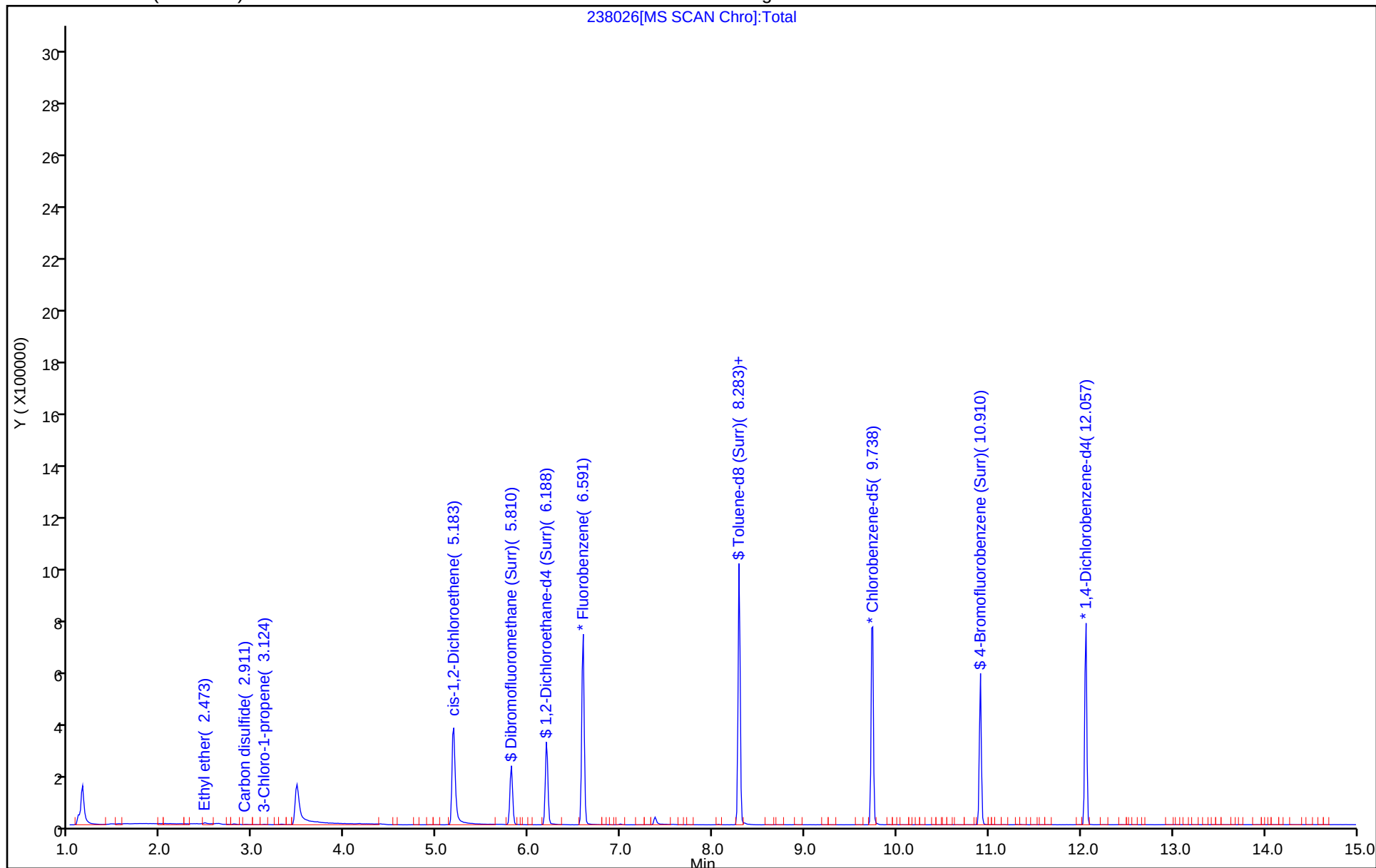
ALS Bottle#: 6

Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\238026.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 22-Oct-2023 17:22:30 ALS Bottle#: 6 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0134938-008
Operator ID: Instrument ID: A3UX23
Method: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\8260_23.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Oct-2023 12:10:30 Calib Date: 04-Aug-2023 19:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: PHN3

Date: 22-Oct-2023 18:48:06

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	27.3	109.19
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	28.5	114.01
\$ 6 Toluene-d8 (Surr)	25.0	27.2	108.75
\$ 7 4-Bromofluorobenzene (Surr)	25.0	21.2	84.61

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>MB 240-591927/8</u>
Matrix: <u>Water</u>	Lab File ID: <u>225385.D</u>
Analysis Method: <u>8260D</u>	Date Collected: _____
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/24/2023 04:22</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591927</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.60
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.48
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.47
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.49
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.46
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.47
591-78-6	2-Hexanone	10	U	10	1.1
67-64-1	Acetone	10	U	10	5.4
71-43-2	Benzene	1.0	U	1.0	0.42
75-25-2	Bromoform	1.0	U	1.0	0.76
74-83-9	Bromomethane	1.0	U	1.0	0.42
75-15-0	Carbon disulfide	1.0	U	1.0	0.59
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.26
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
75-00-3	Chloroethane	1.0	U	1.0	0.83
67-66-3	Chloroform	1.0	U	1.0	0.47
74-87-3	Chloromethane	1.0	U	1.0	0.63
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.61
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.38
100-41-4	Ethylbenzene	1.0	U	1.0	0.42
78-93-3	2-Butanone (MEK)	10	U	10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	10	0.99
75-09-2	Methylene Chloride	5.0	U	5.0	2.6
100-42-5	Styrene	1.0	U	1.0	0.45
127-18-4	Tetrachloroethene	1.0	U	1.0	0.44
108-88-3	Toluene	1.0	U	1.0	0.44
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.67
79-01-6	Trichloroethene	1.0	U	1.0	0.44
75-01-4	Vinyl chloride	1.0	U	1.0	0.45
1330-20-7	Xylenes, Total	2.0	U	2.0	0.42
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: MB 240-591927/8
Matrix: Water Lab File ID: 225385.D
Analysis Method: 8260D Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 10/24/2023 04:22
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 591927 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		62-137
460-00-4	4-Bromofluorobenzene (Surr)	89		56-136
2037-26-5	Toluene-d8 (Surr)	92		78-122
1868-53-7	Dibromofluoromethane (Surr)	95		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231023-134987.b\225385.D
 Lims ID: mb
 Client ID:
 Sample Type: MB
 Inject. Date: 24-Oct-2023 04:22:24 ALS Bottle#: 0 Worklist Smp#: 8
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134987-008
 Operator ID: 002808 Instrument ID: A3UX22
 Method: \\chromfs\Canton\ChromData\A3UX22\20231023-134987.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 24-Oct-2023 13:04:24 Calib Date: 11-Sep-2023 18:19:34
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1634

First Level Reviewer: PHN3

Date: 24-Oct-2023 12:00:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.251	7.251	0.000	98	1124974	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.394	0.000	87	824310	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	95	438061	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	277505	25.0	23.7	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	322289	25.0	25.7	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.983	0.011	94	1002890	25.0	22.9	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.437	11.425	0.012	96	352320	25.0	22.2	
9 Dichlorodifluoromethane	85		1.239					ND	
10 Chloromethane	50		1.429					ND	
171 isobutylene	56		1.488					ND	
12 Vinyl chloride	62		1.523					ND	
11 Butadiene	54		1.547					ND	
13 Bromomethane	94	1.867	1.855	0.012	83	2024		0.3672	
15 Chloroethane	64		1.962					ND	
17 Trichlorofluoromethane	101		2.199					ND	
14 1-Chloro-1-fluoroethane TIC	47		2.215					ND	
16 Dichlorofluoromethane	67		2.223					ND	
18 Ethyl ether	59	2.603	2.591	0.012	82	2041		0.2445	
21 1,1,2-Trichloro-1,2,2-trifluoro	101		2.828					ND	
19 Acrolein	56		2.840					ND	
20 1,1-Dichloroethene	96		2.852					ND	
23 Methylal	45		2.994					ND	
22 Acetone	43	3.065	3.065	0.000	100	12012		1.92	
24 Iodomethane	142	3.077	3.077	0.000	32	1433		0.1278	
25 Carbon disulfide	76		3.101					ND	7
27 3-Chloro-1-propene	41		3.409					ND	
28 Methyl acetate	43		3.492					ND	
26 Acetonitrile	41	3.587	3.575	0.012	95	5087		1.85	
29 Methylene Chloride	84		3.658					ND	7
30 2-Methyl-2-propanol	59		3.931					ND	
33 Methyl tert-butyl ether	73		4.002					ND	
32 trans-1,2-Dichloroethene	96		4.002					ND	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
31 Acrylonitrile	53		4.204					ND	
34 Hexane	57		4.358					ND	
35 1,1-Dichloroethane	63		4.844					ND	
37 Isopropyl ether	87		4.903					ND	
38 2-Chloro-1,3-butadiene	53		4.939					ND	
36 Vinyl acetate	43		4.986					ND	
39 Tert-butyl ethyl ether	59		5.496					ND	
42 2,2-Dichloropropane	97		5.721					ND	
41 cis-1,2-Dichloroethene	96		5.793					ND	
40 2-Butanone (MEK)	72		5.887					ND	
44 Ethyl acetate	43		5.947					ND	
168 Methyl acrylate	55		5.982					ND	
43 Propionitrile	54		6.077					ND	
46 Chlorobromomethane	49		6.125					ND	
47 Tetrahydrofuran	42		6.136					ND	U
45 Methacrylonitrile	41		6.219					ND	
48 Chloroform	83		6.255					ND	
50 Cyclohexane	84		6.350					ND	
49 1,1,1-Trichloroethane	97		6.397					ND	
52 Carbon tetrachloride	117		6.552					ND	
51 1,1-Dichloropropene	75		6.623					ND	
54 Benzene	78		6.860					ND	
53 Isobutyl alcohol	41		6.955					ND	
55 1,2-Dichloroethane	62		7.014					ND	
56 Tert-amyl methyl ether	73		7.026					ND	
57 n-Heptane	100		7.144					ND	
59 Trichloroethene	130		7.666					ND	
58 n-Butanol	56		7.737					ND	
61 Methylcyclohexane	83		7.773					ND	
60 Ethyl acrylate	55		7.868					ND	
80 Tetrahydrothiophene	60		7.931					ND	
62 1,2-Dichloropropane	63		7.975					ND	
64 Dibromomethane	174		8.105					ND	
63 Methyl methacrylate	41		8.117					ND	
65 1,4-Dioxane	88		8.117					ND	
66 Dichlorobromomethane	83		8.283					ND	
67 2-Nitropropane	41	8.662	8.627	0.035	87	1081		0.3864	
68 2-Chloroethyl vinyl ether	63		8.650					ND	
69 cis-1,3-Dichloropropene	75		8.769					ND	
70 4-Methyl-2-pentanone (MIBK)	43		8.947					ND	
71 Toluene	91		9.054					ND	7
72 trans-1,3-Dichloropropene	75		9.374					ND	
73 Ethyl methacrylate	69		9.421					ND	
74 1,1,2-Trichloroethane	97		9.552					ND	
75 Tetrachloroethene	166		9.564					ND	
92 1,4-Dichlorobutane	55		9.626					ND	
76 1,3-Dichloropropane	76		9.706					ND	
77 2-Hexanone	43		9.777					ND	
78 n-Butyl acetate	43		9.872					ND	
79 Chlorodibromomethane	129		9.884					ND	
81 Ethylene Dibromide	107		9.991					ND	
82 1-Chlorohexane	91	10.394	10.394	0.000	33	1877		0.3156	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Chlorobenzene	112		10.417					ND	
85 Ethylbenzene	106		10.500					ND	
84 1,1,1,2-Tetrachloroethane	131		10.512					ND	
86 m-Xylene & p-Xylene	106		10.607					ND	
169 n-Butyl acrylate	73		10.939					ND	
87 o-Xylene	106		10.951					ND	
88 Styrene	104		10.975					ND	
89 Bromoform	173		11.165					ND	
90 Isopropylbenzene	105		11.259					ND	
91 Cyclohexanone	55		11.402					ND	
95 Bromobenzene	156		11.556					ND	
93 1,1,2,2-Tetrachloroethane	83		11.580					ND	
98 N-Propylbenzene	120		11.603					ND	
96 1,2,3-Trichloropropane	110		11.627					ND	
97 trans-1,4-Dichloro-2-butene	53		11.639					ND	
100 2-Chlorotoluene	126		11.698					ND	
101 1,3,5-Trimethylbenzene	105		11.757					ND	
102 4-Chlorotoluene	126		11.805					ND	
103 tert-Butylbenzene	119		12.018					ND	
105 1,2,4-Trimethylbenzene	105		12.066					ND	
104 Pentachloroethane	167		12.078					ND	
106 sec-Butylbenzene	105		12.196					ND	
108 4-Isopropyltoluene	119		12.315					ND	
107 1,3-Dichlorobenzene	146		12.327					ND	
109 1,4-Dichlorobenzene	146		12.410					ND	
110 1,2,3-Trimethylbenzene	105		12.421					ND	
111 Benzyl chloride	91		12.528					ND	
112 n-Butylbenzene	91		12.647					ND	
113 1,2-Dichlorobenzene	146		12.706					ND	
114 1,2-Dibromo-3-Chloropropane	157		13.358					ND	
115 1,3,5-Trichlorobenzene	180		13.477					ND	
116 1,2,4-Trichlorobenzene	180		13.975					ND	
117 Hexachlorobutadiene	225		14.058					ND	
170 2-Ethylhexyl acrylate	70		14.082					ND	
118 Naphthalene	128		14.177					ND	
119 1,2,3-Trichlorobenzene	180		14.366					ND	
120 2-Methylnaphthalene	142	15.054	15.054	0.000	94	2257		1.54	
S 125 Trihalomethanes, Total	1		-0.010					ND	
S 124 Total BTEX	1		-0.010					ND	
S 126 1,2-Dichloroethene, Total	96		1.130					ND	
S 127 1,3-Dichloropropene, Total	75		6.750					ND	
S 128 Xylenes, Total	106		16.520					ND	

QC Flag Legend

Processing Flags

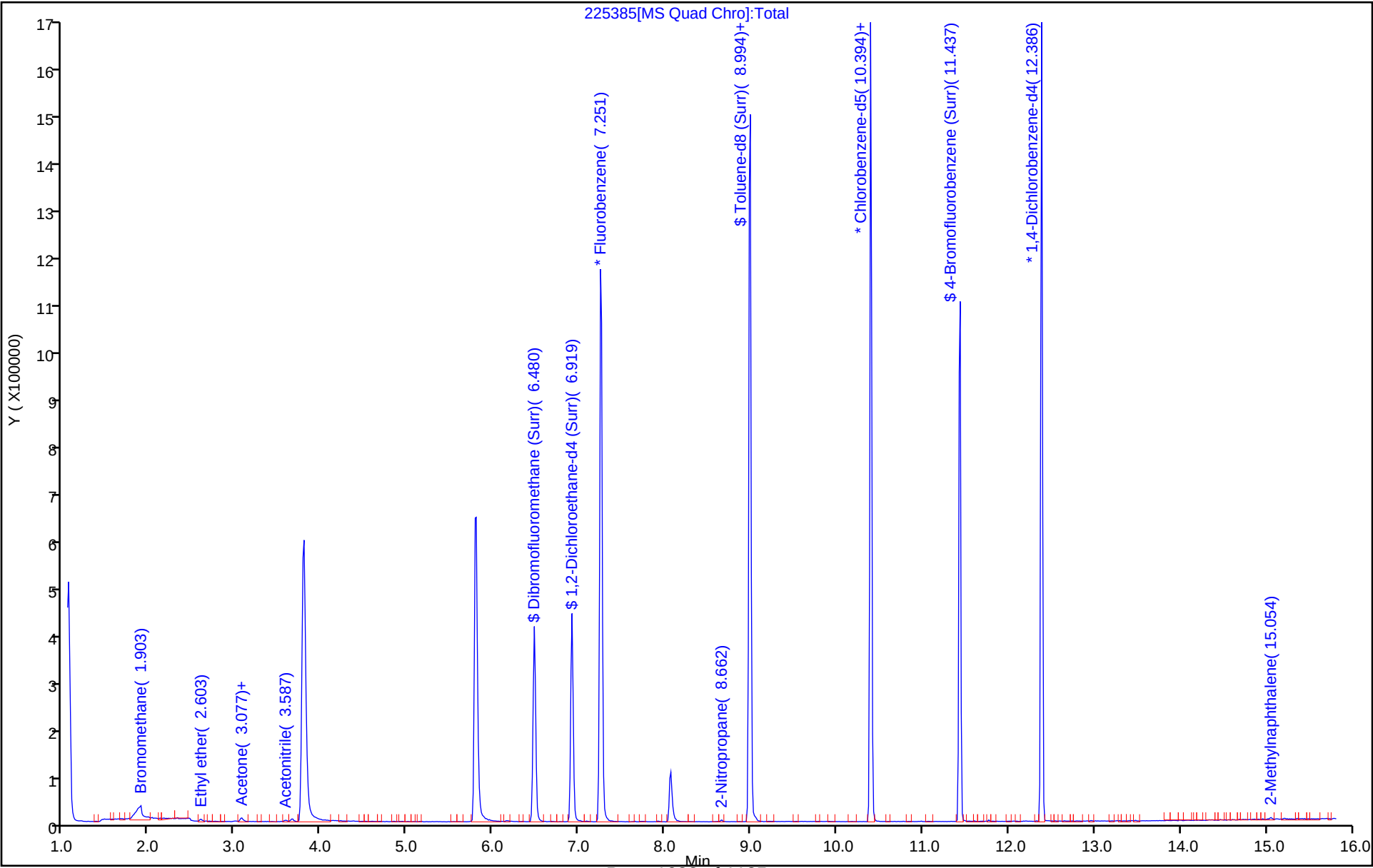
7 - Failed Limit of Detection

Review Flags

U - Marked Undetected

Reagents:

vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm25UX18IS_00009	Amount Added: 5.00	Units: uL	Run Reagent



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231023-134987.b\225385.D
Lims ID: mb
Client ID:
Sample Type: MB
Inject. Date: 24-Oct-2023 04:22:24 ALS Bottle#: 0 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0134987-008
Operator ID: 002808 Instrument ID: A3UX22
Method: \\chromfs\Canton\ChromData\A3UX22\20231023-134987.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Oct-2023 13:04:24 Calib Date: 11-Sep-2023 18:19:34
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1634

First Level Reviewer: PHN3

Date: 24-Oct-2023 12:00:17

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	23.7	94.65
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	25.7	102.67
\$ 6 Toluene-d8 (Surr)	25.0	22.9	91.65
\$ 7 4-Bromofluorobenzene (Surr)	25.0	22.2	88.94

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 240-591496/5</u>
Matrix: <u>Water</u>	Lab File ID: <u>237967.D</u>
Analysis Method: <u>8260D</u>	Date Collected: _____
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/19/2023 14:53</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591496</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	23.9		1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	25.6		1.0	0.60
79-00-5	1,1,2-Trichloroethane	27.9		1.0	0.48
75-34-3	1,1-Dichloroethane	25.4		1.0	0.47
75-35-4	1,1-Dichloroethene	29.4		1.0	0.49
107-06-2	1,2-Dichloroethane	25.1		1.0	0.46
78-87-5	1,2-Dichloropropane	26.8		1.0	0.47
591-78-6	2-Hexanone	59.0		10	1.1
67-64-1	Acetone	57.6		10	5.4
71-43-2	Benzene	27.1		1.0	0.42
75-25-2	Bromoform	23.0		1.0	0.76
74-83-9	Bromomethane	10.2		1.0	0.42
75-15-0	Carbon disulfide	24.8		1.0	0.59
56-23-5	Carbon tetrachloride	24.1		1.0	0.26
108-90-7	Chlorobenzene	27.3		1.0	0.38
75-00-3	Chloroethane	11.6		1.0	0.83
67-66-3	Chloroform	25.3		1.0	0.47
74-87-3	Chloromethane	10.6		1.0	0.63
156-59-2	cis-1,2-Dichloroethene	25.1		1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	22.8		1.0	0.61
75-27-4	Dichlorobromomethane	23.6		1.0	0.38
100-41-4	Ethylbenzene	27.0		1.0	0.42
78-93-3	2-Butanone (MEK)	52.7		10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	55.0		10	0.99
75-09-2	Methylene Chloride	27.0		5.0	2.6
100-42-5	Styrene	29.5		1.0	0.45
127-18-4	Tetrachloroethene	28.5		1.0	0.44
108-88-3	Toluene	26.9		1.0	0.44
156-60-5	trans-1,2-Dichloroethene	26.2		1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	24.3		1.0	0.67
79-01-6	Trichloroethene	25.6		1.0	0.44
75-01-4	Vinyl chloride	9.99		1.0	0.45
1330-20-7	Xylenes, Total	53.4		2.0	0.42
124-48-1	Chlorodibromomethane	24.8		1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 240-591496/5
Matrix: Water Lab File ID: 237967.D
Analysis Method: 8260D Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 10/19/2023 14:53
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.: 591496 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		62-137
460-00-4	4-Bromofluorobenzene (Surr)	101		56-136
2037-26-5	Toluene-d8 (Surr)	112		78-122
1868-53-7	Dibromofluoromethane (Surr)	110		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\237967.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 19-Oct-2023 14:53:30 ALS Bottle#: 3 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134843-005
 Operator ID: Instrument ID: A3UX23
 Method: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 20-Oct-2023 12:16:14 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1630

First Level Reviewer: PHN3

Date: 19-Oct-2023 17:07:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	738091	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.738	0.000	87	542814	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.058	12.057	0.001	97	285076	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.810	0.000	76	177538	25.0	27.4	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.188	6.188	0.000	97	249163	25.0	26.6	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	95	741004	25.0	28.0	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	87	266565	25.0	25.2	
9 Dichlorodifluoromethane	85	1.266	1.266	0.000	99	91412	12.5	9.51	
10 Chloromethane	50	1.420	1.431	-0.011	100	146939	12.5	10.6	
11 Vinyl chloride	62	1.526	1.526	0.000	99	96270	12.5	10.0	
12 Butadiene	54	1.550	1.550	0.000	98	140041	12.5	10.9	
13 Bromomethane	94	1.834	1.834	0.000	92	53969	12.5	10.2	
14 Chloroethane	64	1.917	1.917	0.000	97	68085	12.5	11.6	
15 Dichlorofluoromethane	67	2.118	2.118	0.000	98	134393	12.5	12.2	
16 Trichlorofluoromethane	101	2.177	2.177	0.000	99	116814	12.5	12.2	
17 Ethyl ether	59	2.473	2.461	0.012	96	211708	25.0	26.3	
18 Acrolein	56	2.603	2.591	0.012	99	317848	125.0	627.7	E
19 1,1-Dichloroethene	96	2.698	2.686	0.012	95	186046	25.0	29.4	
20 1,1,2-Trichloro-1,2,2-trifluoro	151	2.745	2.745	0.000	94	155017	25.0	29.6	
21 Acetone	58	2.792	2.792	0.000	98	65216	50.0	57.6	
23 Iodomethane	142	2.863	2.851	0.012	99	274228	25.0	27.2	
24 Carbon disulfide	76	2.923	2.922	0.001	100	484721	25.0	24.8	
26 3-Chloro-1-propene	41	3.147	3.135	0.012	88	399933	25.0	21.8	
27 Methyl acetate	43	3.218	3.218	0.000	100	565954	50.0	48.3	
28 Methylene Chloride	84	3.313	3.301	0.012	95	202909	25.0	27.0	
29 2-Methyl-2-propanol	59	3.597	3.585	0.012	85	246606	250.0	235.2	
30 Acrylonitrile	53	3.680	3.680	0.000	97	1424943	250.0	285.3	
32 trans-1,2-Dichloroethene	96	3.704	3.692	0.012	94	205497	25.0	26.2	
31 Methyl tert-butyl ether	73	3.751	3.751	0.000	93	496659	25.0	21.1	
33 Hexane	57	4.153	4.153	0.000	96	357741	25.0	29.3	
34 1,1-Dichloroethane	63	4.354	4.342	0.012	97	393228	25.0	25.4	
35 Vinyl acetate	43	4.508	4.496	0.012	97	594717	25.0	28.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2,2-Dichloropropane	97	5.171	5.171	0.000	89	44578	25.0	22.6	
39 cis-1,2-Dichloroethene	96	5.183	5.171	0.012	85	218104	25.0	25.1	
40 2-Butanone (MEK)	72	5.254	5.254	0.000	98	71260	50.0	52.7	
45 Chlorobromomethane	128	5.478	5.478	0.000	90	99157	25.0	24.8	
46 Tetrahydrofuran	42	5.585	5.573	0.012	93	226303	50.0	48.5	
47 Chloroform	83	5.609	5.609	0.001	99	352528	25.0	25.3	
48 1,1,1-Trichloroethane	97	5.810	5.798	0.012	97	286583	25.0	23.9	
49 Cyclohexane	56	5.857	5.857	0.000	97	444880	25.0	28.3	
51 Carbon tetrachloride	117	5.999	5.999	0.000	97	251527	25.0	24.1	
50 1,1-Dichloropropene	75	6.011	6.011	0.000	91	272988	25.0	25.9	
54 Benzene	78	6.248	6.247	0.001	97	851862	25.0	27.1	
53 1,2-Dichloroethane	62	6.283	6.283	0.000	96	334962	25.0	25.1	
52 Isobutyl alcohol	41	6.295	6.295	0.000	93	384489	625.0	804.0	
56 n-Heptane	100	6.614	6.614	0.000	97	49759	25.0	31.2	
58 Trichloroethene	130	6.993	6.993	0.000	97	203096	25.0	25.6	
60 Methylcyclohexane	83	7.194	7.194	0.000	97	335686	25.0	27.8	
61 1,2-Dichloropropane	63	7.230	7.230	0.000	96	226357	25.0	26.8	
63 Dibromomethane	93	7.348	7.348	0.000	97	127536	25.0	27.0	
64 1,4-Dioxane	88	7.419	7.419	0.000	97	47405	500.0	629.3	
65 Dichlorobromomethane	83	7.537	7.537	0.000	97	236894	25.0	23.6	
67 2-Chloroethyl vinyl ether	63	7.892	7.892	0.000	90	142166	25.0	23.6	
68 cis-1,3-Dichloropropene	75	8.023	8.011	0.012	90	272411	25.0	22.8	
69 4-Methyl-2-pentanone (MIBK)	43	8.212	8.212	0.000	99	736507	50.0	55.0	
70 Toluene	91	8.354	8.354	0.000	97	901621	25.0	26.9	
71 trans-1,3-Dichloropropene	75	8.591	8.590	0.001	98	271130	25.0	24.3	
72 Ethyl methacrylate	69	8.721	8.721	0.000	95	272445	25.0	27.3	
73 1,1,2-Trichloroethane	97	8.768	8.768	0.000	93	191286	25.0	27.9	
75 Tetrachloroethene	164	8.910	8.910	0.000	98	162580	25.0	28.5	
74 1,3-Dichloropropane	76	8.934	8.934	0.000	97	328609	25.0	27.1	
76 2-Hexanone	43	9.052	9.052	0.000	99	544963	50.0	59.0	
78 Chlorodibromomethane	129	9.159	9.158	0.000	91	175264	25.0	24.8	
80 Ethylene Dibromide	107	9.265	9.253	0.012	98	191354	25.0	27.2	
82 Chlorobenzene	112	9.762	9.762	0.000	95	561786	25.0	27.3	
83 1,1,1,2-Tetrachloroethane	131	9.845	9.845	0.000	94	185336	25.0	26.1	
84 Ethylbenzene	106	9.880	9.880	0.000	98	309289	25.0	27.0	
85 m-Xylene & p-Xylene	106	9.999	9.999	0.000	97	373669	25.0	27.2	
86 o-Xylene	106	10.389	10.389	0.000	97	361152	25.0	26.2	
87 Styrene	104	10.401	10.401	0.000	93	610978	25.0	29.5	
88 Bromoform	173	10.578	10.578	0.000	96	98062	25.0	23.0	
89 Isopropylbenzene	105	10.768	10.768	0.000	96	934287	25.0	27.3	
93 Bromobenzene	156	11.052	11.052	0.000	95	220845	25.0	25.0	
92 1,1,2,2-Tetrachloroethane	83	11.064	11.063	0.001	95	272075	25.0	25.6	
95 1,2,3-Trichloropropane	110	11.099	11.099	0.000	91	91910	25.0	26.0	
94 trans-1,4-Dichloro-2-butene	53	11.123	11.123	0.000	81	106611	25.0	25.1	
96 N-Propylbenzene	120	11.170	11.170	0.000	99	266121	25.0	26.1	
97 2-Chlorotoluene	126	11.253	11.253	0.000	97	222669	25.0	25.7	
99 1,3,5-Trimethylbenzene	105	11.348	11.347	0.001	94	784789	25.0	25.7	
100 4-Chlorotoluene	126	11.359	11.359	0.000	98	234706	25.0	26.5	
102 tert-Butylbenzene	119	11.679	11.667	0.012	94	649661	25.0	25.2	
104 1,2,4-Trimethylbenzene	105	11.714	11.714	0.000	97	797638	25.0	25.1	
105 sec-Butylbenzene	105	11.892	11.892	0.000	95	930463	25.0	25.9	
106 1,3-Dichlorobenzene	146	11.987	11.986	0.001	99	422476	25.0	26.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 4-Isopropyltoluene	119	12.034	12.034	0.000	97	785773	25.0	25.8	
108 1,4-Dichlorobenzene	146	12.081	12.081	0.000	94	439043	25.0	26.4	
111 n-Butylbenzene	91	12.448	12.448	0.000	97	666714	25.0	25.3	
112 1,2-Dichlorobenzene	146	12.448	12.448	0.000	75	402997	25.0	25.4	
113 1,2-Dibromo-3-Chloropropane	157	13.217	13.217	0.000	76	44659	25.0	20.0	
115 1,2,4-Trichlorobenzene	180	14.046	14.045	0.001	94	187037	25.0	19.9	
116 Hexachlorobutadiene	225	14.235	14.235	0.000	97	74442	25.0	23.8	
117 Naphthalene	128	14.294	14.282	0.012	97	737204	25.0	22.2	
118 1,2,3-Trichlorobenzene	180	14.531	14.531	0.000	96	189014	25.0	21.7	
S 134 Trihalomethanes, Total	1				0		100.0	96.6	
S 158 Total BTEX	1				0		125.0	134.3	
S 133 Xylenes, Total	106				0		50.0	53.4	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

VMFASAW_00486	Amount Added: 20.00	Units: uL	
VMFASGW_00529	Amount Added: 10.00	Units: uL	
VMFASPW_00515	Amount Added: 20.00	Units: uL	
vm125UX21_IS_00057	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_SS_00009	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\237967.D

Injection Date: 19-Oct-2023 14:53:30

Instrument ID: A3UX23

Operator ID:

Lims ID: LCS

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

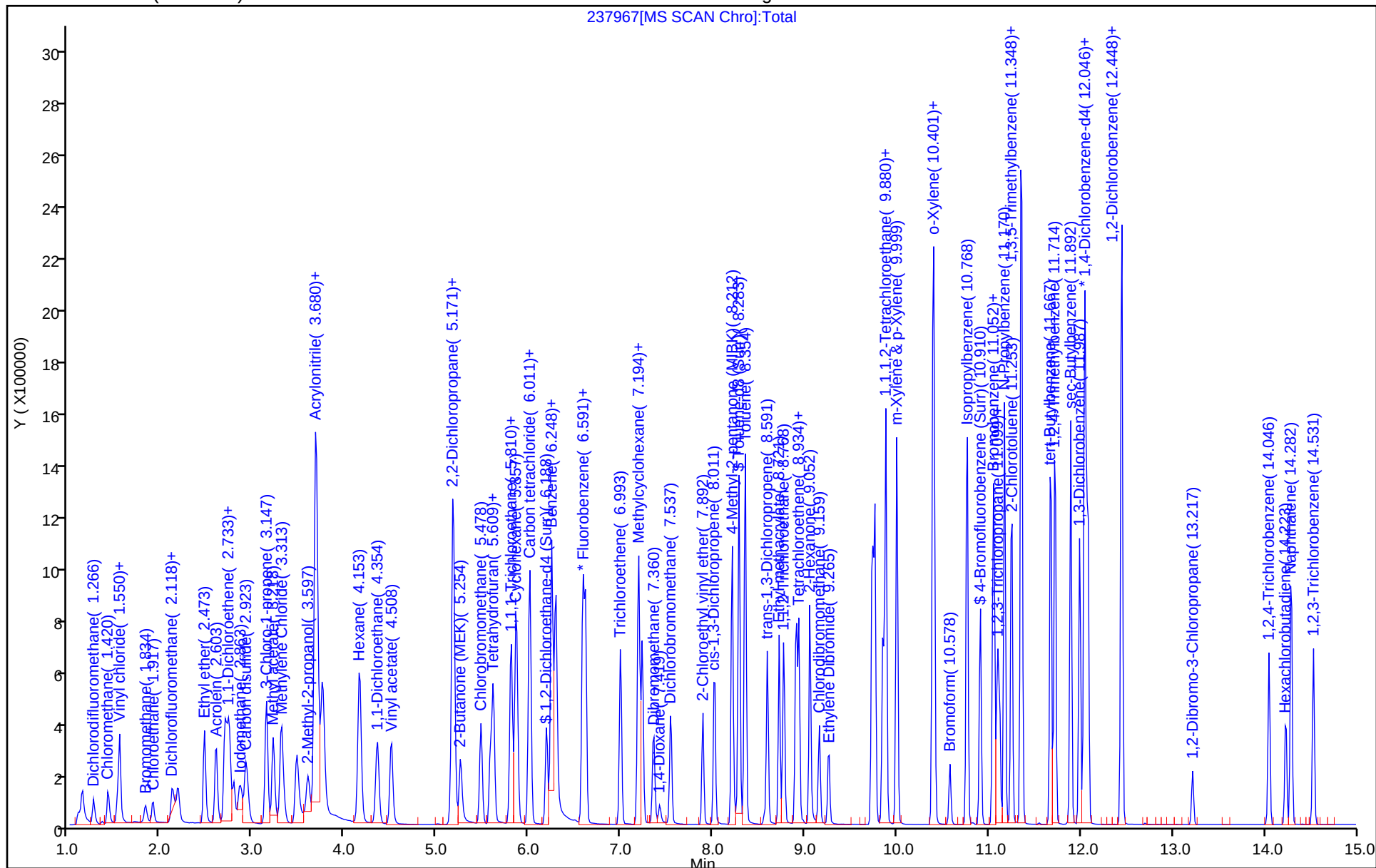
ALS Bottle#: 3

Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\237967.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 19-Oct-2023 14:53:30 ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0134843-005
Operator ID: Instrument ID: A3UX23
Method: \\chromfs\Canton\ChromData\A3UX23\20231019-134843.b\8260_23.m
Limit Group: MSV 8260C ICAL
Last Update: 20-Oct-2023 12:16:14 Calib Date: 04-Aug-2023 19:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1630

First Level Reviewer: PHN3

Date: 19-Oct-2023 17:07:01

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	27.4	109.56
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	26.6	106.20
\$ 6 Toluene-d8 (Surr)	25.0	28.0	112.08
\$ 7 4-Bromofluorobenzene (Surr)	25.0	25.2	100.78

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 240-591677/5</u>
Matrix: <u>Water</u>	Lab File ID: <u>237995.D</u>
Analysis Method: <u>8260D</u>	Date Collected: _____
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/20/2023 14:45</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591677</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	22.9		1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	25.4		1.0	0.60
79-00-5	1,1,2-Trichloroethane	27.7		1.0	0.48
75-34-3	1,1-Dichloroethane	24.5		1.0	0.47
75-35-4	1,1-Dichloroethene	22.0		1.0	0.49
107-06-2	1,2-Dichloroethane	24.3		1.0	0.46
78-87-5	1,2-Dichloropropane	26.4		1.0	0.47
591-78-6	2-Hexanone	58.1		10	1.1
67-64-1	Acetone	41.7		10	5.4
71-43-2	Benzene	26.0		1.0	0.42
75-25-2	Bromoform	22.6		1.0	0.76
74-83-9	Bromomethane	9.33		1.0	0.42
75-15-0	Carbon disulfide	18.9		1.0	0.59
56-23-5	Carbon tetrachloride	23.0		1.0	0.26
108-90-7	Chlorobenzene	27.0		1.0	0.38
75-00-3	Chloroethane	11.0		1.0	0.83
67-66-3	Chloroform	24.5		1.0	0.47
74-87-3	Chloromethane	10.5		1.0	0.63
156-59-2	cis-1,2-Dichloroethene	24.0		1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	21.9		1.0	0.61
75-27-4	Dichlorobromomethane	22.5		1.0	0.38
100-41-4	Ethylbenzene	26.9		1.0	0.42
78-93-3	2-Butanone (MEK)	48.0		10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	52.1		10	0.99
75-09-2	Methylene Chloride	21.2		5.0	2.6
100-42-5	Styrene	29.3		1.0	0.45
127-18-4	Tetrachloroethene	28.4		1.0	0.44
108-88-3	Toluene	26.6		1.0	0.44
156-60-5	trans-1,2-Dichloroethene	24.7		1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	23.7		1.0	0.67
79-01-6	Trichloroethene	24.9		1.0	0.44
75-01-4	Vinyl chloride	9.34		1.0	0.45
1330-20-7	Xylenes, Total	53.8		2.0	0.42
124-48-1	Chlorodibromomethane	24.4		1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 240-591677/5
Matrix: Water Lab File ID: 237995.D
Analysis Method: 8260D Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 10/20/2023 14:45
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 591677 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		62-137
460-00-4	4-Bromofluorobenzene (Surr)	102		56-136
2037-26-5	Toluene-d8 (Surr)	114		78-122
1868-53-7	Dibromofluoromethane (Surr)	108		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\237995.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 20-Oct-2023 14:45:30 ALS Bottle#: 3 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134906-005
 Operator ID: Instrument ID: A3UX23
 Method: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 22-Oct-2023 15:08:36 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: HE9L

Date: 20-Oct-2023 16:48:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	731500	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.738	0.000	88	525871	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.058	12.058	0.000	97	277491	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.810	0.000	78	172998	25.0	26.9	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.189	6.188	0.000	97	242950	25.0	26.1	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	95	728856	25.0	28.4	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	88	260133	25.0	25.4	
9 Dichlorodifluoromethane	85	1.278	1.266	0.012	99	91928	12.5	9.65	
10 Chloromethane	50	1.432	1.432	0.000	100	144364	12.5	10.5	
11 Vinyl chloride	62	1.538	1.526	0.012	99	89144	12.5	9.34	
12 Butadiene	54	1.562	1.550	0.012	98	134157	12.5	10.5	
13 Bromomethane	94	1.834	1.834	0.000	92	48822	12.5	9.33	
14 Chloroethane	64	1.917	1.917	0.000	97	64305	12.5	11.0	
15 Dichlorofluoromethane	67	2.130	2.118	0.012	99	131035	12.5	12.0	
16 Trichlorofluoromethane	101	2.177	2.177	0.000	97	121775	12.5	12.8	
17 Ethyl ether	59	2.473	2.473	0.000	97	206378	25.0	25.9	
18 Acrolein	56	2.603	2.603	0.000	98	220321	125.0	439.0	E
19 1,1-Dichloroethene	96	2.698	2.698	0.000	96	138220	25.0	22.0	
20 1,1,2-Trichloro-1,2,2-trifluoro	151	2.757	2.745	0.012	95	111267	25.0	21.5	
21 Acetone	58	2.792	2.792	0.000	98	47424	50.0	41.7	
23 Iodomethane	142	2.863	2.863	0.000	98	206312	25.0	20.6	
24 Carbon disulfide	76	2.923	2.923	0.000	100	366057	25.0	18.9	
26 3-Chloro-1-propene	41	3.147	3.147	0.000	87	272472	25.0	15.0	
27 Methyl acetate	43	3.218	3.218	0.000	99	388161	50.0	33.5	
28 Methylene Chloride	84	3.313	3.313	0.000	98	159362	25.0	21.2	
29 2-Methyl-2-propanol	59	3.597	3.597	0.000	84	164874	250.0	158.7	
30 Acrylonitrile	53	3.680	3.680	0.000	97	1339850	250.0	270.6	
32 trans-1,2-Dichloroethene	96	3.704	3.704	0.000	94	191766	25.0	24.7	
31 Methyl tert-butyl ether	73	3.763	3.763	0.000	93	474161	25.0	20.3	
33 Hexane	57	4.165	4.165	0.000	96	332673	25.0	27.4	
34 1,1-Dichloroethane	63	4.354	4.354	0.000	98	376786	25.0	24.5	
35 Vinyl acetate	43	4.508	4.508	0.000	97	541801	25.0	26.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
41 2,2-Dichloropropane	97	5.171	5.171	0.000	89	42817	25.0	21.9	
39 cis-1,2-Dichloroethene	96	5.183	5.183	0.000	86	206534	25.0	24.0	
40 2-Butanone (MEK)	72	5.254	5.254	0.000	98	64230	50.0	48.0	
45 Chlorobromomethane	128	5.479	5.478	0.001	91	95555	25.0	24.1	
46 Tetrahydrofuran	42	5.585	5.585	0.000	91	209297	50.0	45.3	
47 Chloroform	83	5.609	5.609	0.000	99	338799	25.0	24.5	
48 1,1,1-Trichloroethane	97	5.810	5.810	0.000	97	271702	25.0	22.9	
49 Cyclohexane	56	5.869	5.869	0.000	97	411891	25.0	26.5	
51 Carbon tetrachloride	117	5.999	5.999	0.000	96	237755	25.0	23.0	
50 1,1-Dichloropropene	75	6.011	6.011	0.000	91	255858	25.0	24.5	
54 Benzene	78	6.248	6.248	0.000	98	810862	25.0	26.0	
53 1,2-Dichloroethane	62	6.283	6.283	0.000	96	321529	25.0	24.3	
52 Isobutyl alcohol	41	6.295	6.295	0.000	93	364145	625.0	768.4	
56 n-Heptane	100	6.614	6.614	0.000	97	47759	25.0	30.2	
58 Trichloroethene	130	6.993	6.993	0.000	97	195768	25.0	24.9	
60 Methylcyclohexane	83	7.194	7.194	0.000	97	317622	25.0	26.5	
61 1,2-Dichloropropane	63	7.230	7.230	0.000	96	221657	25.0	26.4	
63 Dibromomethane	93	7.348	7.348	0.000	97	121709	25.0	26.0	
64 1,4-Dioxane	88	7.419	7.419	0.000	94	45880	500.0	614.5	
65 Dichlorobromomethane	83	7.537	7.537	0.000	97	224658	25.0	22.5	
67 2-Chloroethyl vinyl ether	63	7.892	7.892	0.000	90	134409	25.0	22.5	
68 cis-1,3-Dichloropropene	75	8.023	8.023	0.000	89	258723	25.0	21.9	
69 4-Methyl-2-pentanone (MIBK)	43	8.212	8.212	0.000	99	692227	50.0	52.1	
70 Toluene	91	8.354	8.354	0.000	97	862386	25.0	26.6	
71 trans-1,3-Dichloropropene	75	8.591	8.591	0.001	98	256206	25.0	23.7	
72 Ethyl methacrylate	69	8.721	8.721	0.000	95	257924	25.0	26.7	
73 1,1,2-Trichloroethane	97	8.768	8.768	0.000	94	184195	25.0	27.7	
75 Tetrachloroethene	164	8.910	8.910	0.000	98	156578	25.0	28.4	
74 1,3-Dichloropropane	76	8.934	8.934	0.000	97	314198	25.0	26.7	
76 2-Hexanone	43	9.052	9.052	0.000	98	519305	50.0	58.1	
78 Chlorodibromomethane	129	9.159	9.158	0.001	90	167222	25.0	24.4	
80 Ethylene Dibromide	107	9.265	9.265	0.000	98	182721	25.0	26.8	
82 Chlorobenzene	112	9.762	9.762	0.000	92	538526	25.0	27.0	
83 1,1,1,2-Tetrachloroethane	131	9.845	9.845	0.000	93	181792	25.0	26.4	
84 Ethylbenzene	106	9.880	9.880	0.000	98	298654	25.0	26.9	
85 m-Xylene & p-Xylene	106	9.999	9.999	0.000	97	368019	25.0	27.7	
86 o-Xylene	106	10.389	10.389	0.000	98	349389	25.0	26.1	
87 Styrene	104	10.401	10.401	0.000	95	587032	25.0	29.3	
88 Bromoform	173	10.579	10.578	0.001	96	93470	25.0	22.6	
89 Isopropylbenzene	105	10.768	10.768	0.000	96	900124	25.0	27.1	
93 Bromobenzene	156	11.052	11.052	0.000	95	212718	25.0	24.8	
92 1,1,2,2-Tetrachloroethane	83	11.064	11.064	0.000	96	262925	25.0	25.4	
95 1,2,3-Trichloropropane	110	11.099	11.099	0.000	90	88175	25.0	25.6	
94 trans-1,4-Dichloro-2-butene	53	11.123	11.123	0.000	75	100489	25.0	24.3	
96 N-Propylbenzene	120	11.170	11.170	0.000	99	262703	25.0	26.5	
97 2-Chlorotoluene	126	11.253	11.253	0.000	97	219141	25.0	25.9	
99 1,3,5-Trimethylbenzene	105	11.348	11.348	0.000	94	760081	25.0	25.5	
100 4-Chlorotoluene	126	11.359	11.359	0.000	99	227461	25.0	26.4	
102 tert-Butylbenzene	119	11.679	11.679	0.000	95	634940	25.0	25.3	
104 1,2,4-Trimethylbenzene	105	11.714	11.714	0.000	97	778267	25.0	25.1	
105 sec-Butylbenzene	105	11.892	11.892	0.000	95	913332	25.0	26.2	
106 1,3-Dichlorobenzene	146	11.987	11.987	0.000	99	412223	25.0	26.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 4-Isopropyltoluene	119	12.034	12.034	0.000	97	773057	25.0	26.1	
108 1,4-Dichlorobenzene	146	12.081	12.081	0.000	95	430564	25.0	26.6	
112 1,2-Dichlorobenzene	146	12.448	12.448	0.000	77	391835	25.0	25.4	
111 n-Butylbenzene	91	12.448	12.448	0.000	97	648711	25.0	25.3	
113 1,2-Dibromo-3-Chloropropane	157	13.217	13.217	0.000	76	42288	25.0	19.5	
115 1,2,4-Trichlorobenzene	180	14.046	14.045	0.001	95	177150	25.0	19.4	
116 Hexachlorobutadiene	225	14.235	14.235	0.000	98	75394	25.0	24.8	
117 Naphthalene	128	14.282	14.294	-0.012	98	701150	25.0	21.7	
118 1,2,3-Trichlorobenzene	180	14.531	14.531	0.000	95	182018	25.0	21.4	
S 134 Trihalomethanes, Total	1				0		100.0	94.1	
S 158 Total BTEX	1				0		125.0	133.3	
S 133 Xylenes, Total	106				0		50.0	53.8	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

VMFASAW_00486	Amount Added: 20.00	Units: uL	
VMFASGW_00529	Amount Added: 10.00	Units: uL	
VMFASPW_00515	Amount Added: 20.00	Units: uL	
vm125UX21_IS_00057	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_SS_00009	Amount Added: 1.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\237995.D

Injection Date: 20-Oct-2023 14:45:30

Instrument ID: A3UX23

Lims ID: LCS

Operator ID:

Client ID:

Worklist Smp#: 5

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

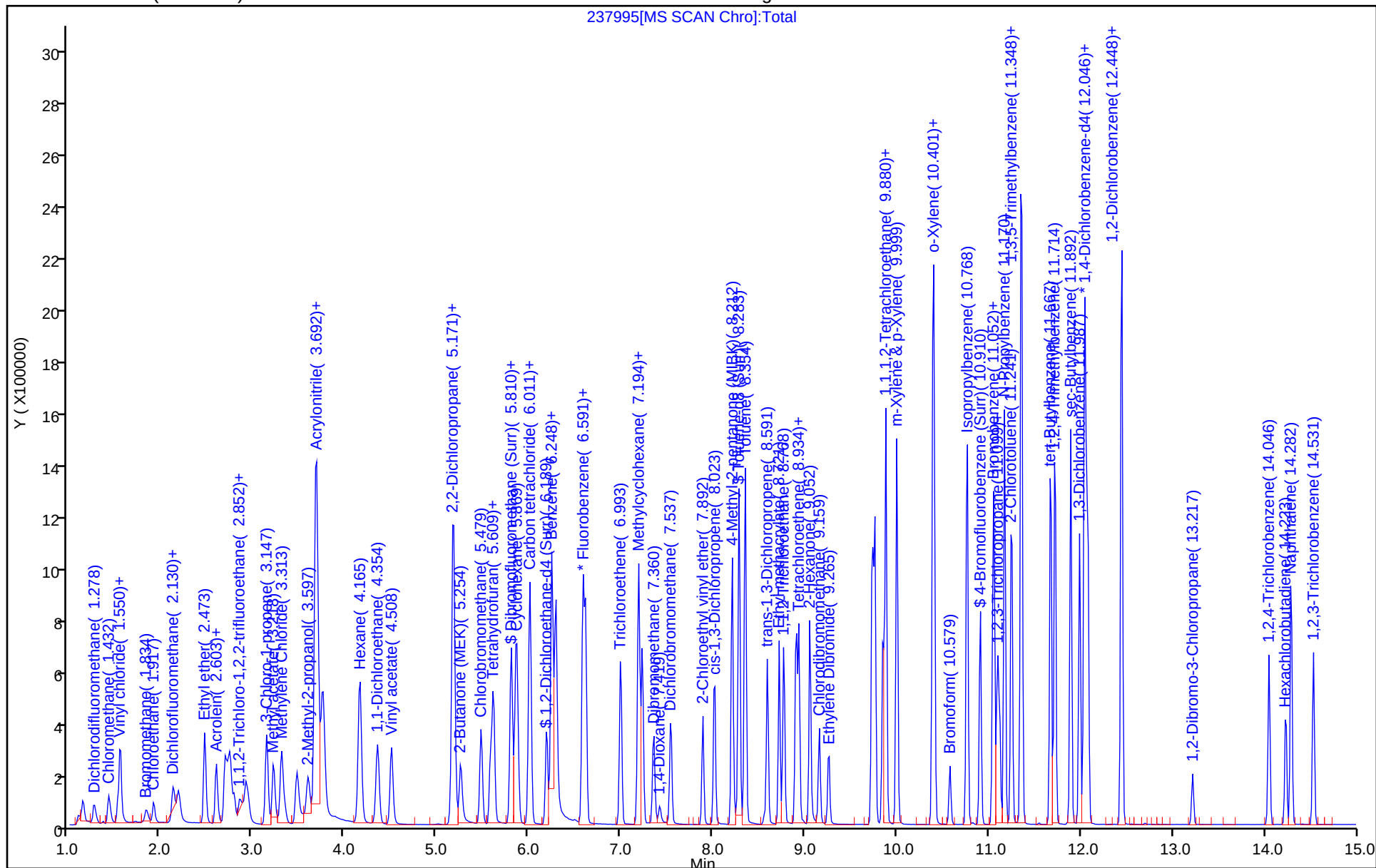
ALS Bottle#: 3

Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\237995.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 20-Oct-2023 14:45:30 ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0134906-005
Operator ID: Instrument ID: A3UX23
Method: \\chromfs\Canton\ChromData\A3UX23\20231020-134906.b\8260_23.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Oct-2023 15:08:36 Calib Date: 04-Aug-2023 19:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1612

First Level Reviewer: HE9L

Date: 20-Oct-2023 16:48:50

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	26.9	107.72
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	26.1	104.49
\$ 6 Toluene-d8 (Surr)	25.0	28.4	113.79
\$ 7 4-Bromofluorobenzene (Surr)	25.0	25.4	101.52

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 240-591678/5</u>
Matrix: <u>Water</u>	Lab File ID: <u>225291.D</u>
Analysis Method: <u>8260D</u>	Date Collected: _____
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/20/2023 15:09</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591678</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	25.6		1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	25.4		1.0	0.60
79-00-5	1,1,2-Trichloroethane	25.9		1.0	0.48
75-34-3	1,1-Dichloroethane	25.9		1.0	0.47
75-35-4	1,1-Dichloroethene	27.3		1.0	0.49
107-06-2	1,2-Dichloroethane	25.7		1.0	0.46
78-87-5	1,2-Dichloropropane	25.0		1.0	0.47
591-78-6	2-Hexanone	52.9		10	1.1
67-64-1	Acetone	49.4		10	5.4
71-43-2	Benzene	25.7		1.0	0.42
75-25-2	Bromoform	23.7		1.0	0.76
74-83-9	Bromomethane	13.3		1.0	0.42
75-15-0	Carbon disulfide	26.2		1.0	0.59
56-23-5	Carbon tetrachloride	25.1		1.0	0.26
108-90-7	Chlorobenzene	26.0		1.0	0.38
75-00-3	Chloroethane	12.4		1.0	0.83
67-66-3	Chloroform	25.4		1.0	0.47
74-87-3	Chloromethane	11.0		1.0	0.63
156-59-2	cis-1,2-Dichloroethene	25.5		1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	23.7		1.0	0.61
75-27-4	Dichlorobromomethane	24.5		1.0	0.38
100-41-4	Ethylbenzene	26.1		1.0	0.42
78-93-3	2-Butanone (MEK)	48.3		10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	47.3		10	0.99
75-09-2	Methylene Chloride	24.8		5.0	2.6
100-42-5	Styrene	26.2		1.0	0.45
127-18-4	Tetrachloroethene	26.1		1.0	0.44
108-88-3	Toluene	25.8		1.0	0.44
156-60-5	trans-1,2-Dichloroethene	25.8		1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	26.4		1.0	0.67
79-01-6	Trichloroethene	24.3		1.0	0.44
75-01-4	Vinyl chloride	11.8		1.0	0.45
1330-20-7	Xylenes, Total	52.2		2.0	0.42
124-48-1	Chlorodibromomethane	24.9		1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 240-591678/5
Matrix: Water Lab File ID: 225291.D
Analysis Method: 8260D Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 10/20/2023 15:09
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.: 591678 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		62-137
460-00-4	4-Bromofluorobenzene (Surr)	96		56-136
2037-26-5	Toluene-d8 (Surr)	99		78-122
1868-53-7	Dibromofluoromethane (Surr)	92		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225291.D
 Lims ID: lcs
 Client ID:
 Sample Type: LCS
 Inject. Date: 20-Oct-2023 15:09:09 ALS Bottle#: 0 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134907-005
 Operator ID: 002808 Instrument ID: A3UX22
 Method: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 22-Oct-2023 15:07:24 Calib Date: 11-Sep-2023 18:19:34
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 20-Oct-2023 18:06:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.263	7.251	0.012	99	1220123	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.394	0.000	87	861690	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	96	462626	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	291609	25.0	22.9	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	329471	25.0	24.2	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	94	1133675	25.0	24.8	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.437	11.437	0.000	95	397139	25.0	24.0	
9 Dichlorodifluoromethane	85	1.239	1.239	0.000	99	145146	12.5	10.6	
10 Chloromethane	50	1.440	1.429	0.011	99	165350	12.5	11.0	
12 Vinyl chloride	62	1.535	1.523	0.012	98	161639	12.5	11.8	
11 Butadiene	54	1.559	1.559	0.000	94	175638	12.5	13.2	
13 Bromomethane	94	1.867	1.856	0.011	91	79565	12.5	13.3	
15 Chloroethane	64	1.962	1.962	0.000	99	90558	12.5	12.4	
17 Trichlorofluoromethane	101	2.211	2.199	0.012	98	206252	12.5	12.5	
16 Dichlorofluoromethane	67	2.235	2.223	0.012	98	244625	12.5	12.9	
18 Ethyl ether	59	2.602	2.603	-0.001	93	236264	25.0	26.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.828	2.828	0.000	94	275109	25.0	26.7	
19 Acrolein	56	2.851	2.852	-0.001	99	409099	125.0	260.6	
20 1,1-Dichloroethene	96	2.863	2.864	-0.001	96	251009	25.0	27.3	
22 Acetone	43	3.077	3.065	0.012	99	334977	50.0	49.4	
24 Iodomethane	142	3.077	3.077	0.000	99	235994	25.0	19.4	
25 Carbon disulfide	76	3.101	3.101	0.000	100	699723	25.0	26.2	
27 3-Chloro-1-propene	41	3.421	3.409	0.012	90	414149	25.0	26.1	
28 Methyl acetate	43	3.504	3.504	0.000	98	691196	50.0	42.0	
29 Methylene Chloride	84	3.658	3.658	0.000	94	283033	25.0	24.8	
30 2-Methyl-2-propanol	59	3.942	3.943	-0.001	96	635848	250.0	226.6	
33 Methyl tert-butyl ether	73	4.014	4.014	0.000	92	820513	25.0	25.4	
32 trans-1,2-Dichloroethene	96	4.014	4.014	0.000	69	276578	25.0	25.8	
31 Acrylonitrile	53	4.215	4.215	0.000	98	1806408	250.0	256.0	
34 Hexane	57	4.369	4.370	-0.001	94	414245	25.0	26.8	
35 1,1-Dichloroethane	63	4.856	4.856	0.000	96	514265	25.0	25.9	
36 Vinyl acetate	43	4.998	4.986	0.012	97	619420	25.0	34.8	

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	5.733	5.733	0.000	92	71635	25.0	24.8	
41 cis-1,2-Dichloroethene	96	5.804	5.793	0.011	58	299155	25.0	25.5	
40 2-Butanone (MEK)	72	5.887	5.887	0.000	100	124133	50.0	48.3	
46 Chlorobromomethane	49	6.136	6.136	0.000	96	222594	25.0	24.0	
47 Tetrahydrofuran	42	6.136	6.136	0.000	88	330086	50.0	46.0	
48 Chloroform	83	6.267	6.267	0.000	94	492041	25.0	25.4	
50 Cyclohexane	84	6.350	6.350	0.000	92	444604	25.0	26.8	
49 1,1,1-Trichloroethane	97	6.397	6.397	0.000	99	410690	25.0	25.6	
52 Carbon tetrachloride	117	6.551	6.552	-0.001	98	340958	25.0	25.1	
51 1,1-Dichloropropene	75	6.623	6.623	0.000	96	400280	25.0	25.8	
54 Benzene	78	6.872	6.872	0.000	96	1137236	25.0	25.7	
53 Isobutyl alcohol	41	6.966	6.967	-0.001	93	524650	625.0	625.6	
55 1,2-Dichloroethane	62	7.014	7.014	0.000	97	395481	25.0	25.7	
57 n-Heptane	100	7.144	7.144	0.000	92	79310	25.0	28.4	
59 Trichloroethene	130	7.666	7.666	0.000	97	298718	25.0	24.3	
61 Methylcyclohexane	83	7.773	7.773	0.000	91	484588	25.0	26.8	
62 1,2-Dichloropropane	63	7.974	7.975	-0.001	93	285033	25.0	25.0	
64 Dibromomethane	174	8.117	8.105	0.012	96	195177	25.0	24.7	
65 1,4-Dioxane	88	8.129	8.117	0.012	94	133501	500.0	442.7	
66 Dichlorobromomethane	83	8.283	8.283	0.000	99	334655	25.0	24.5	
68 2-Chloroethyl vinyl ether	63	8.650	8.651	-0.001	93	203693	25.0	22.5	
69 cis-1,3-Dichloropropene	75	8.781	8.781	0.000	94	379553	25.0	23.7	
70 4-Methyl-2-pentanone (MIBK)	43	8.947	8.947	0.000	97	860669	50.0	47.3	
71 Toluene	91	9.054	9.054	0.000	98	1161907	25.0	25.8	
72 trans-1,3-Dichloropropene	75	9.386	9.386	0.000	93	353504	25.0	26.4	
73 Ethyl methacrylate	69	9.421	9.421	0.000	91	394537	25.0	26.1	
74 1,1,2-Trichloroethane	97	9.552	9.552	0.000	94	260167	25.0	25.9	
75 Tetrachloroethene	166	9.575	9.576	-0.001	97	303685	25.0	26.1	
76 1,3-Dichloropropane	76	9.718	9.706	0.012	92	469875	25.0	26.6	
77 2-Hexanone	43	9.777	9.777	0.000	97	689785	50.0	52.9	
79 Chlorodibromomethane	129	9.896	9.884	0.012	90	246606	25.0	24.9	
81 Ethylene Dibromide	107	10.002	10.002	0.000	98	275034	25.0	25.7	
83 Chlorobenzene	112	10.417	10.417	0.000	96	746527	25.0	26.0	
85 Ethylbenzene	106	10.500	10.500	0.000	99	400147	25.0	26.1	
84 1,1,1,2-Tetrachloroethane	131	10.512	10.512	0.000	94	242118	25.0	25.8	
86 m-Xylene & p-Xylene	106	10.607	10.607	0.000	99	494390	25.0	26.3	
87 o-Xylene	106	10.951	10.951	0.000	99	472156	25.0	25.9	
88 Styrene	104	10.975	10.975	0.000	95	787691	25.0	26.2	
89 Bromoform	173	11.164	11.165	-0.001	97	166213	25.0	23.7	
90 Isopropylbenzene	105	11.259	11.259	0.000	96	1251894	25.0	26.8	
95 Bromobenzene	156	11.556	11.556	0.000	92	306068	25.0	25.6	
93 1,1,2,2-Tetrachloroethane	83	11.579	11.580	-0.001	94	409058	25.0	25.4	
98 N-Propylbenzene	120	11.603	11.603	0.000	99	346053	25.0	26.9	
96 1,2,3-Trichloropropane	110	11.627	11.627	0.000	87	135348	25.0	24.9	
97 trans-1,4-Dichloro-2-butene	53	11.639	11.639	0.000	73	106065	25.0	26.3	
100 2-Chlorotoluene	126	11.698	11.698	0.000	96	297060	25.0	26.4	
101 1,3,5-Trimethylbenzene	105	11.757	11.757	0.000	94	1035773	25.0	26.3	
102 4-Chlorotoluene	126	11.805	11.805	0.000	97	312947	25.0	27.4	
103 tert-Butylbenzene	119	12.018	12.018	0.000	93	895863	25.0	26.5	
105 1,2,4-Trimethylbenzene	105	12.066	12.066	0.000	98	1049479	25.0	26.5	
106 sec-Butylbenzene	105	12.196	12.196	0.000	95	1306167	25.0	26.9	
108 4-Isopropyltoluene	119	12.315	12.315	0.000	97	1097117	25.0	26.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 1,3-Dichlorobenzene	146	12.327	12.327	0.000	98	581320	25.0	25.9	
109 1,4-Dichlorobenzene	146	12.410	12.410	0.000	96	583992	25.0	25.9	
112 n-Butylbenzene	91	12.647	12.647	0.000	98	992411	25.0	27.1	
113 1,2-Dichlorobenzene	146	12.718	12.706	0.012	97	552505	25.0	25.7	
114 1,2-Dibromo-3-Chloropropane	157	13.358	13.358	0.000	87	99244	25.0	23.0	
116 1,2,4-Trichlorobenzene	180	13.975	13.975	0.000	94	361645	25.0	24.9	
117 Hexachlorobutadiene	225	14.070	14.070	0.000	98	156698	25.0	25.3	
118 Naphthalene	128	14.176	14.177	-0.001	97	1107898	25.0	24.2	
119 1,2,3-Trichlorobenzene	180	14.366	14.366	0.000	95	343762	25.0	25.3	
S 125 Trihalomethanes, Total	1				0		100.0	98.4	
S 124 Total BTEX	1				0		125.0	129.9	
S 128 Xylenes, Total	106				0		50.0	52.3	

QC Flag Legend

Processing Flags

Reagents:

VMFASPW_00515	Amount Added: 20.00	Units: uL	
VMFASAW_00486	Amount Added: 20.00	Units: uL	
VMFASGW_00529	Amount Added: 10.00	Units: uL	
vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm25UX18IS_00009	Amount Added: 5.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225291.D

Injection Date: 20-Oct-2023 15:09:09

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: lcs

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

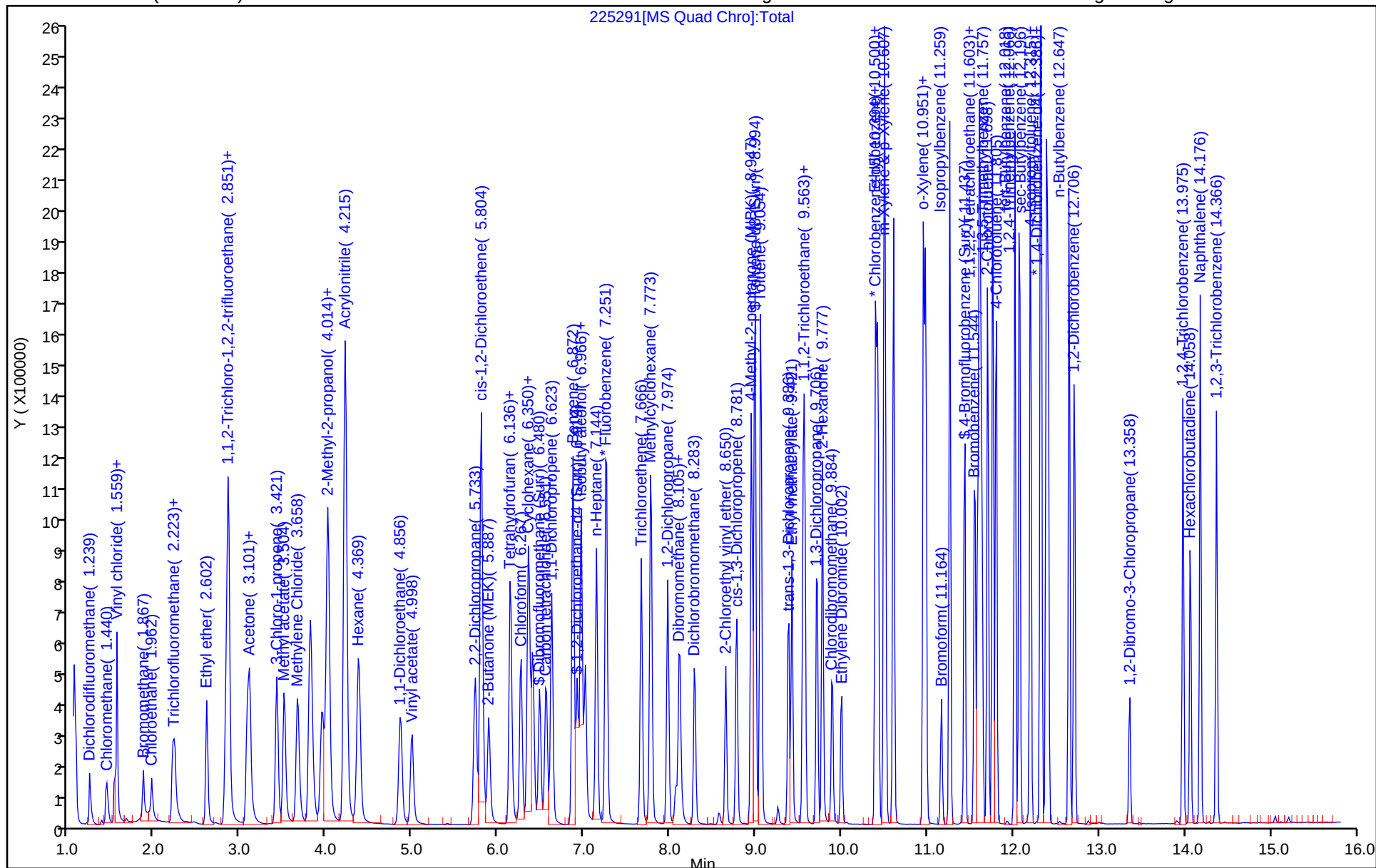
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225291.D
Lims ID: lcs
Client ID:
Sample Type: LCS
Inject. Date: 20-Oct-2023 15:09:09 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0134907-005
Operator ID: 002808 Instrument ID: A3UX22
Method: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Oct-2023 15:07:24 Calib Date: 11-Sep-2023 18:19:34
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1612

First Level Reviewer: PHN3

Date: 20-Oct-2023 18:06:02

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	22.9	91.70
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	24.2	96.77
\$ 6 Toluene-d8 (Surr)	25.0	24.8	99.10
\$ 7 4-Bromofluorobenzene (Surr)	25.0	24.0	95.91

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 240-591728/5</u>
Matrix: <u>Water</u>	Lab File ID: <u>UXC3427.D</u>
Analysis Method: <u>8260D</u>	Date Collected: _____
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/21/2023 10:42</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591728</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	18.3		1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	25.5		1.0	0.60
79-00-5	1,1,2-Trichloroethane	20.4		1.0	0.48
75-34-3	1,1-Dichloroethane	19.6		1.0	0.47
75-35-4	1,1-Dichloroethene	19.5		1.0	0.49
107-06-2	1,2-Dichloroethane	18.6		1.0	0.46
78-87-5	1,2-Dichloropropane	19.8		1.0	0.47
591-78-6	2-Hexanone	39.4		10	1.1
67-64-1	Acetone	38.0		10	5.4
71-43-2	Benzene	20.1		1.0	0.42
75-25-2	Bromoform	18.3		1.0	0.76
74-83-9	Bromomethane	21.4		1.0	0.42
75-15-0	Carbon disulfide	18.9		1.0	0.59
56-23-5	Carbon tetrachloride	17.9		1.0	0.26
108-90-7	Chlorobenzene	19.3		1.0	0.38
75-00-3	Chloroethane	21.5		1.0	0.83
67-66-3	Chloroform	19.2		1.0	0.47
74-87-3	Chloromethane	16.3		1.0	0.63
156-59-2	cis-1,2-Dichloroethene	20.0		1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	17.2		1.0	0.61
75-27-4	Dichlorobromomethane	18.8		1.0	0.38
100-41-4	Ethylbenzene	19.0		1.0	0.42
78-93-3	2-Butanone (MEK)	36.7		10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	35.2		10	0.99
75-09-2	Methylene Chloride	19.0		5.0	2.6
100-42-5	Styrene	17.8		1.0	0.45
127-18-4	Tetrachloroethene	18.5		1.0	0.44
108-88-3	Toluene	20.0		1.0	0.44
156-60-5	trans-1,2-Dichloroethene	18.6		1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	19.4		1.0	0.67
79-01-6	Trichloroethene	18.1		1.0	0.44
75-01-4	Vinyl chloride	17.7		1.0	0.45
1330-20-7	Xylenes, Total	36.7		2.0	0.42
124-48-1	Chlorodibromomethane	18.8		1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 240-591728/5
Matrix: Water Lab File ID: UXC3427.D
Analysis Method: 8260D Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 10/21/2023 10:42
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.: 591728 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		62-137
460-00-4	4-Bromofluorobenzene (Surr)	79		56-136
2037-26-5	Toluene-d8 (Surr)	102		78-122
1868-53-7	Dibromofluoromethane (Surr)	100		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\UXC3427.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 21-Oct-2023 10:42:30 ALS Bottle#: 5 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134925-005
 Operator ID: 001904 Instrument ID: A3UX15
 Method: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\8260_15.m
 Limit Group: MSV 8260C ICAL
 Last Update: 22-Oct-2023 17:42:27 Calib Date: 17-Jun-2022 22:33:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2452.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1653

First Level Reviewer: LQ5J

Date: 22-Oct-2023 17:42:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	5.920	5.909	0.011	99	812628	20.0	20.0	
* 2 Chlorobenzene-d5	117	8.434	8.434	0.000	85	552066	20.0	20.0	
* 3 1,4-Dichlorobenzene-d4	152	10.557	10.557	0.000	94	228641	20.0	20.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.387	5.387	0.000	93	188760	20.0	20.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.660	5.659	0.001	99	231616	20.0	19.6	
\$ 6 Toluene-d8 (Surr)	98	7.189	7.177	0.012	93	753652	20.0	20.4	
\$ 7 4-Bromofluorobenzene (Surr)	95	9.478	9.478	0.000	95	203472	20.0	15.8	
9 Dichlorodifluoromethane	85	2.043	2.031	0.012	99	117893	20.0	14.3	
10 Chloromethane	50	2.268	2.256	0.012	99	174334	20.0	16.3	
11 Vinyl chloride	62	2.398	2.387	0.011	98	194265	20.0	17.7	
12 Butadiene	54	2.422	2.422	0.000	94	203004	20.0	18.4	
13 Bromomethane	94	2.754	2.754	0.000	90	182484	20.0	21.4	
14 Chloroethane	64	2.849	2.837	0.012	99	170806	20.0	21.5	
15 Dichlorofluoromethane	67	3.063	3.051	0.012	98	370735	20.0	20.6	
16 Trichlorofluoromethane	101	3.074	3.062	0.012	97	308181	20.0	20.3	
17 Ethyl ether	59	3.323	3.323	0.000	89	165109	20.0	20.4	
18 Acrolein	56	3.454	3.454	0.000	98	78229	100.0	77.7	
19 1,1-Dichloroethene	96	3.561	3.549	0.012	98	158879	20.0	19.5	
20 1,1,2-Trichloro-1,2,2-trifluoro	151	3.572	3.572	0.000	92	113403	20.0	20.3	
21 Acetone	43	3.572	3.572	0.000	87	117037	40.0	38.0	
22 Iodomethane	142	3.703	3.691	0.012	99	247090	20.0	18.8	
24 Carbon disulfide	76	3.774	3.762	0.012	99	449482	20.0	18.9	
27 Methyl acetate	43	3.845	3.833	0.012	97	304056	40.0	30.5	
26 3-Chloro-1-propene	76	3.869	3.857	0.012	86	131023	20.0	20.0	
28 Methylene Chloride	84	3.976	3.976	0.000	90	181233	20.0	19.0	
29 2-Methyl-2-propanol	59	4.023	4.023	0.000	96	190758	200.0	170.7	
30 Acrylonitrile	53	4.165	4.153	0.012	99	793095	200.0	192.2	
31 Methyl tert-butyl ether	73	4.189	4.189	0.000	96	484808	20.0	17.6	
32 trans-1,2-Dichloroethene	96	4.201	4.201	0.000	99	200319	20.0	18.6	
34 Hexane	86	4.414	4.414	0.000	92	40930	20.0	16.6	
36 Vinyl acetate	43	4.533	4.533	0.000	98	338411	20.0	22.3	
35 1,1-Dichloroethane	63	4.557	4.557	0.000	97	344058	20.0	19.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
40 2-Butanone (MEK)	72	4.984	4.972	0.012	99	62767	40.0	36.7	
41 cis-1,2-Dichloroethene	96	5.007	5.007	0.000	81	217733	20.0	20.0	
42 2,2-Dichloropropane	97	5.019	5.019	0.000	88	48718	20.0	21.0	
46 Chlorobromomethane	128	5.197	5.197	0.000	96	93948	20.0	17.8	
47 Tetrahydrofuran	42	5.209	5.209	0.000	85	143342	40.0	34.4	
48 Chloroform	83	5.256	5.256	0.000	93	327271	20.0	19.2	
49 1,1,1-Trichloroethane	97	5.422	5.410	0.012	98	269053	20.0	18.3	
50 Cyclohexane	56	5.482	5.482	0.000	88	268585	20.0	18.0	
51 1,1-Dichloropropene	75	5.529	5.529	0.000	95	276867	20.0	19.1	
52 Carbon tetrachloride	117	5.541	5.541	0.000	94	237429	20.0	17.9	
53 Isobutyl alcohol	41	5.541	5.541	0.000	91	237577	500.0	529.8	
55 Benzene	78	5.695	5.695	0.000	96	809101	20.0	20.1	
56 1,2-Dichloroethane	62	5.719	5.719	0.000	97	252109	20.0	18.6	
58 n-Heptane	100	5.885	5.873	0.012	89	33211	20.0	14.8	
60 Trichloroethene	130	6.205	6.193	0.012	97	205568	20.0	18.1	
62 Methylcyclohexane	83	6.395	6.395	0.000	89	236363	20.0	16.3	
63 1,2-Dichloropropane	63	6.407	6.407	0.000	96	186697	20.0	19.8	
66 1,4-Dioxane	88	6.442	6.442	0.000	86	49687	400.0	519.1	
65 Dibromomethane	93	6.478	6.478	0.000	96	123509	20.0	20.6	
67 Dichlorobromomethane	83	6.608	6.596	0.012	98	235622	20.0	18.8	
69 2-Chloroethyl vinyl ether	63	6.798	6.798	0.000	91	121168	20.0	17.1	
70 cis-1,3-Dichloropropene	75	6.952	6.952	0.000	94	263392	20.0	17.2	
71 4-Methyl-2-pentanone (MIBK)	43	7.047	7.047	0.000	95	446342	40.0	35.2	
72 Toluene	91	7.237	7.237	0.000	98	818504	20.0	20.0	
73 trans-1,3-Dichloropropene	75	7.403	7.403	0.000	96	261670	20.0	19.4	
74 Ethyl methacrylate	69	7.415	7.415	0.000	87	240130	20.0	18.5	
75 1,1,2-Trichloroethane	97	7.581	7.581	0.000	91	160891	20.0	20.4	
76 Tetrachloroethene	164	7.687	7.687	0.000	97	147656	20.0	18.5	
77 1,3-Dichloropropane	76	7.735	7.735	0.000	94	289447	20.0	20.8	
78 2-Hexanone	43	7.735	7.735	0.000	94	350883	40.0	39.4	
80 Chlorodibromomethane	129	7.925	7.924	0.000	90	164074	20.0	18.8	
82 Ethylene Dibromide	107	8.043	8.043	0.000	97	165885	20.0	19.4	
84 Chlorobenzene	112	8.458	8.458	0.000	95	485351	20.0	19.3	
86 Ethylbenzene	106	8.529	8.529	0.000	98	263339	20.0	19.0	
85 1,1,1,2-Tetrachloroethane	131	8.529	8.529	0.000	44	162105	20.0	19.7	
87 m-Xylene & p-Xylene	91	8.636	8.636	0.000	94	592218	20.0	18.1	
88 o-Xylene	106	8.992	8.992	0.000	96	292346	20.0	18.6	
89 Styrene	104	9.004	9.004	0.000	94	476713	20.0	17.8	
90 Bromoform	173	9.193	9.193	0.000	95	113661	20.0	18.3	
91 Isopropylbenzene	105	9.312	9.312	0.000	96	666698	20.0	17.2	
94 1,1,2,2-Tetrachloroethane	83	9.585	9.585	0.000	95	229630	20.0	25.5	
97 trans-1,4-Dichloro-2-butene	53	9.608	9.608	0.000	78	66425	20.0	20.4	
95 Bromobenzene	156	9.632	9.632	0.000	94	187233	20.0	21.9	
96 1,2,3-Trichloropropane	110	9.644	9.644	0.000	82	75409	20.0	23.8	
98 N-Propylbenzene	120	9.691	9.691	0.000	98	178890	20.0	19.2	
99 2-Chlorotoluene	126	9.798	9.798	0.000	98	159596	20.0	20.3	
101 1,3,5-Trimethylbenzene	105	9.846	9.846	0.000	94	492916	20.0	19.4	
102 4-Chlorotoluene	91	9.905	9.905	0.000	97	472391	20.0	19.6	
104 tert-Butylbenzene	119	10.154	10.154	0.000	92	418937	20.0	18.9	
106 1,2,4-Trimethylbenzene	105	10.201	10.201	0.000	96	498378	20.0	19.7	
107 sec-Butylbenzene	105	10.356	10.355	0.001	94	572538	20.0	19.7	
108 1,3-Dichlorobenzene	146	10.486	10.486	0.000	76	298969	20.0	20.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
109 4-Isopropyltoluene	119	10.498	10.486	0.012	97	472189	20.0	19.0	
110 1,4-Dichlorobenzene	146	10.581	10.581	0.000	95	303116	20.0	20.3	
113 n-Butylbenzene	91	10.877	10.877	0.000	97	405238	20.0	20.5	
114 1,2-Dichlorobenzene	146	10.925	10.925	0.000	98	273738	20.0	21.1	
115 1,2-Dibromo-3-Chloropropane	157	11.660	11.660	0.000	79	41748	20.0	18.6	
117 1,2,4-Trichlorobenzene	180	12.443	12.443	0.000	93	122806	20.0	21.0	
118 Hexachlorobutadiene	225	12.561	12.561	0.000	97	57969	20.0	22.1	
119 Naphthalene	128	12.703	12.703	0.000	96	418554	20.0	20.1	
120 1,2,3-Trichlorobenzene	180	12.905	12.905	0.000	94	119376	20.0	23.4	
S 130 Total BTEX	1				0		100.0	95.7	
S 131 Trihalomethanes, Total	1				0		80.0	75.1	
S 129 Xylenes, Total	106				0		40.0	36.7	

QC Flag Legend

Processing Flags

Reagents:

vmfaspw_00515	Amount Added: 16.00	Units: uL	
VMFASGW_00529	Amount Added: 16.00	Units: uL	
vmfasaw_00486	Amount Added: 16.00	Units: uL	
vm40ml_vials_00026	Amount Added: 0.00	Units:	Run Reagent
vm50is_stk_A_00021	Amount Added: 2.00	Units: uL	Run Reagent
vmDist_H2o_00242	Amount Added: 0.00	Units:	Run Reagent
vm50ss_stk_00094	Amount Added: 2.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\UXC3427.D

Injection Date: 21-Oct-2023 10:42:30

Instrument ID: A3UX15

Operator ID: 001904

Lims ID: LCS

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

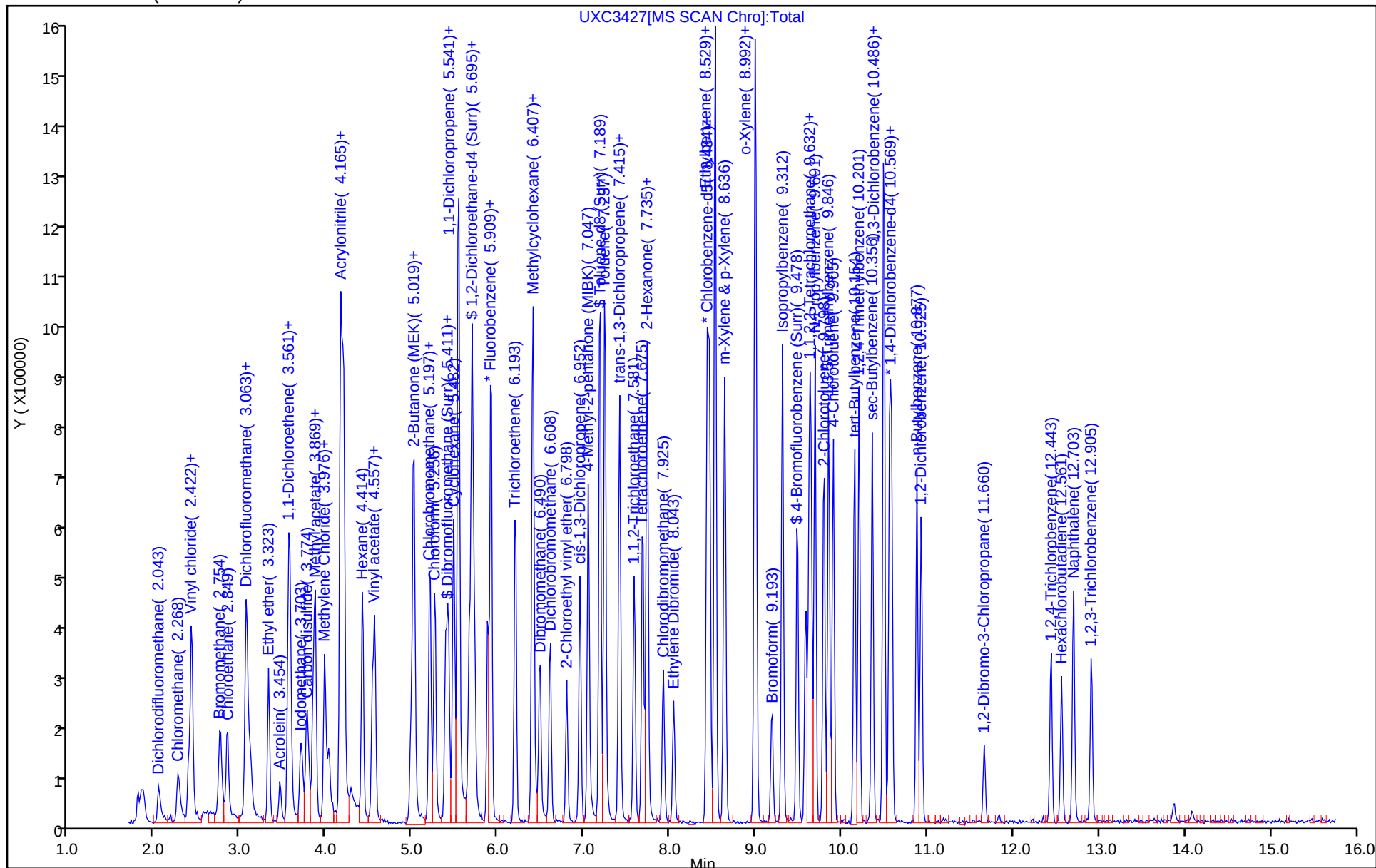
Dil. Factor: 1.0000

ALS Bottle#: 5

Method: 8260_15

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\UXC3427.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 21-Oct-2023 10:42:30 ALS Bottle#: 5 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134925-005
 Operator ID: 001904 Instrument ID: A3UX15
 Method: \\chromfs\Canton\ChromData\A3UX15\20231021-134925.b\8260_15.m
 Limit Group: MSV 8260C ICAL
 Last Update: 22-Oct-2023 17:42:27 Calib Date: 17-Jun-2022 22:33:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX15\20220617-119589.b\UXC2452.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1653

First Level Reviewer: LQ5J

Date: 22-Oct-2023 17:42:59

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	20.0	20.0	100.10
\$ 5 1,2-Dichloroethane-d4 (Surr)	20.0	19.6	97.92
\$ 6 Toluene-d8 (Surr)	20.0	20.4	102.12
\$ 7 4-Bromofluorobenzene (Surr)	20.0	15.8	78.93

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 240-591760/5</u>
Matrix: <u>Water</u>	Lab File ID: <u>225321.D</u>
Analysis Method: <u>8260D</u>	Date Collected: _____
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/22/2023 16:18</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591760</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	26.6		1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	25.8		1.0	0.60
79-00-5	1,1,2-Trichloroethane	25.9		1.0	0.48
75-34-3	1,1-Dichloroethane	26.1		1.0	0.47
75-35-4	1,1-Dichloroethene	27.5		1.0	0.49
107-06-2	1,2-Dichloroethane	25.7		1.0	0.46
78-87-5	1,2-Dichloropropane	25.4		1.0	0.47
591-78-6	2-Hexanone	51.3		10	1.1
67-64-1	Acetone	46.4		10	5.4
71-43-2	Benzene	25.8		1.0	0.42
75-25-2	Bromoform	27.2		1.0	0.76
74-83-9	Bromomethane	13.8		1.0	0.42
75-15-0	Carbon disulfide	27.3		1.0	0.59
56-23-5	Carbon tetrachloride	26.7		1.0	0.26
108-90-7	Chlorobenzene	26.6		1.0	0.38
75-00-3	Chloroethane	14.8		1.0	0.83
67-66-3	Chloroform	25.7		1.0	0.47
74-87-3	Chloromethane	12.6		1.0	0.63
156-59-2	cis-1,2-Dichloroethene	25.9		1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	25.2		1.0	0.61
75-27-4	Dichlorobromomethane	25.9		1.0	0.38
100-41-4	Ethylbenzene	26.9		1.0	0.42
78-93-3	2-Butanone (MEK)	48.5		10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	48.1		10	0.99
75-09-2	Methylene Chloride	24.5		5.0	2.6
100-42-5	Styrene	26.7		1.0	0.45
127-18-4	Tetrachloroethene	26.8		1.0	0.44
108-88-3	Toluene	26.1		1.0	0.44
156-60-5	trans-1,2-Dichloroethene	25.6		1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	28.3		1.0	0.67
79-01-6	Trichloroethene	25.3		1.0	0.44
75-01-4	Vinyl chloride	13.0		1.0	0.45
1330-20-7	Xylenes, Total	53.5		2.0	0.42
124-48-1	Chlorodibromomethane	27.2		1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 240-591760/5
Matrix: Water Lab File ID: 225321.D
Analysis Method: 8260D Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 10/22/2023 16:18
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.: 591760 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		62-137
460-00-4	4-Bromofluorobenzene (Surr)	90		56-136
2037-26-5	Toluene-d8 (Surr)	92		78-122
1868-53-7	Dibromofluoromethane (Surr)	91		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225321.D
 Lims ID: lcs
 Client ID:
 Sample Type: LCS
 Inject. Date: 22-Oct-2023 16:18:11 ALS Bottle#: 0 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134937-005
 Operator ID: 002808 Instrument ID: A3UX22
 Method: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 23-Oct-2023 12:00:02 Calib Date: 11-Sep-2023 18:19:34
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1668

First Level Reviewer: PHN3

Date: 22-Oct-2023 17:30:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.251	7.251	0.000	99	1229462	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.394	0.000	87	880395	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	95	471183	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	290126	25.0	22.6	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	322829	25.0	23.5	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	94	1080506	25.0	23.1	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.437	11.437	0.000	96	382552	25.0	22.6	
9 Dichlorodifluoromethane	85	1.227	1.239	-0.012	99	185074	12.5	13.4	
10 Chloromethane	50	1.428	1.428	0.000	99	190138	12.5	12.6	
12 Vinyl chloride	62	1.523	1.523	0.000	98	179990	12.5	13.0	
11 Butadiene	54	1.547	1.559	-0.012	95	187568	12.5	14.0	
13 Bromomethane	94	1.855	1.855	0.000	92	82997	12.5	13.8	
15 Chloroethane	64	1.962	1.962	0.000	99	108817	12.5	14.8	
17 Trichlorofluoromethane	101	2.199	2.211	-0.012	99	236027	12.5	14.2	
16 Dichlorofluoromethane	67	2.223	2.235	-0.012	97	265198	12.5	13.8	
18 Ethyl ether	59	2.591	2.602	-0.011	94	228514	25.0	25.1	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.828	2.828	0.000	94	275015	25.0	26.5	
19 Acrolein	56	2.840	2.851	-0.011	99	395882	125.0	250.2	
20 1,1-Dichloroethene	96	2.852	2.863	-0.011	97	255191	25.0	27.5	
22 Acetone	43	3.065	3.065	0.000	99	316866	50.0	46.4	
24 Iodomethane	142	3.077	3.077	0.000	98	235812	25.0	19.2	
25 Carbon disulfide	76	3.101	3.101	0.000	100	733604	25.0	27.3	
27 3-Chloro-1-propene	41	3.409	3.409	0.000	90	422154	25.0	26.4	
28 Methyl acetate	43	3.492	3.504	-0.012	98	680844	50.0	41.1	
29 Methylene Chloride	84	3.658	3.658	0.000	95	281368	25.0	24.5	
30 2-Methyl-2-propanol	59	3.943	3.942	0.001	97	601845	250.0	212.8	
33 Methyl tert-butyl ether	73	4.002	4.002	0.000	93	821647	25.0	25.2	
32 trans-1,2-Dichloroethene	96	4.002	4.014	-0.012	71	277195	25.0	25.6	
31 Acrylonitrile	53	4.203	4.215	-0.012	99	1781878	250.0	250.6	
34 Hexane	57	4.369	4.369	0.000	94	414773	25.0	26.7	
35 1,1-Dichloroethane	63	4.856	4.856	0.000	96	520524	25.0	26.1	
36 Vinyl acetate	43	4.986	4.986	0.000	97	621742	25.0	34.7	

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	5.721	5.733	-0.012	91	76437	25.0	26.2	
41 cis-1,2-Dichloroethene	96	5.792	5.792	0.000	82	305707	25.0	25.9	
40 2-Butanone (MEK)	72	5.887	5.887	0.000	100	125612	50.0	48.5	
46 Chlorobromomethane	49	6.136	6.136	0.000	97	225489	25.0	24.2	
47 Tetrahydrofuran	42	6.136	6.136	0.000	89	326018	50.0	45.1	
48 Chloroform	83	6.255	6.267	-0.012	93	502140	25.0	25.7	
50 Cyclohexane	84	6.350	6.350	0.000	92	453420	25.0	27.1	
49 1,1,1-Trichloroethane	97	6.397	6.397	0.000	98	430017	25.0	26.6	
52 Carbon tetrachloride	117	6.551	6.551	0.000	98	365434	25.0	26.7	
51 1,1-Dichloropropene	75	6.623	6.623	0.000	96	403776	25.0	25.9	
54 Benzene	78	6.872	6.872	0.000	96	1151369	25.0	25.8	
53 Isobutyl alcohol	41	6.966	6.966	0.000	92	483630	625.0	572.3	
55 1,2-Dichloroethane	62	7.014	7.014	0.000	98	398340	25.0	25.7	
57 n-Heptane	100	7.144	7.144	0.000	92	77302	25.0	27.4	
59 Trichloroethene	130	7.666	7.666	0.000	98	312448	25.0	25.3	
61 Methylcyclohexane	83	7.773	7.773	0.000	92	485374	25.0	26.6	
62 1,2-Dichloropropane	63	7.974	7.974	0.000	94	291228	25.0	25.4	
64 Dibromomethane	174	8.105	8.105	0.000	97	201069	25.0	25.2	
65 1,4-Dioxane	88	8.117	8.117	0.000	94	118159	500.0	388.9	
66 Dichlorobromomethane	83	8.283	8.283	0.000	99	356638	25.0	25.9	
68 2-Chloroethyl vinyl ether	63	8.650	8.650	0.000	92	209196	25.0	22.9	
69 cis-1,3-Dichloropropene	75	8.781	8.781	0.000	94	405758	25.0	25.2	
70 4-Methyl-2-pentanone (MIBK)	43	8.947	8.947	0.000	97	882019	50.0	48.1	
71 Toluene	91	9.054	9.054	0.000	98	1199901	25.0	26.1	
72 trans-1,3-Dichloropropene	75	9.374	9.386	-0.012	94	387971	25.0	28.3	
73 Ethyl methacrylate	69	9.421	9.421	0.000	90	398089	25.0	25.8	
74 1,1,2-Trichloroethane	97	9.552	9.552	0.000	94	266278	25.0	25.9	
75 Tetrachloroethene	166	9.564	9.575	-0.011	97	318957	25.0	26.8	
76 1,3-Dichloropropane	76	9.706	9.706	0.000	92	472393	25.0	26.2	
77 2-Hexanone	43	9.777	9.777	0.000	97	684182	50.0	51.3	
79 Chlorodibromomethane	129	9.884	9.884	0.000	90	275192	25.0	27.2	
81 Ethylene Dibromide	107	10.002	9.990	0.012	99	281832	25.0	25.8	
83 Chlorobenzene	112	10.417	10.417	0.000	94	779566	25.0	26.6	
85 Ethylbenzene	106	10.500	10.500	0.000	98	420495	25.0	26.9	
84 1,1,1,2-Tetrachloroethane	131	10.512	10.512	0.000	95	260020	25.0	27.1	
86 m-Xylene & p-Xylene	106	10.607	10.607	0.000	99	518106	25.0	27.0	
87 o-Xylene	106	10.951	10.951	0.000	98	493143	25.0	26.5	
88 Styrene	104	10.975	10.975	0.000	95	820546	25.0	26.7	
89 Bromoform	173	11.164	11.164	0.000	97	194989	25.0	27.2	
90 Isopropylbenzene	105	11.259	11.259	0.000	96	1327395	25.0	27.8	
95 Bromobenzene	156	11.556	11.556	0.000	94	322402	25.0	26.5	
93 1,1,2,2-Tetrachloroethane	83	11.579	11.579	0.000	94	422555	25.0	25.8	
98 N-Propylbenzene	120	11.603	11.603	0.000	99	363591	25.0	27.7	
96 1,2,3-Trichloropropane	110	11.627	11.627	0.000	88	144112	25.0	26.1	
97 trans-1,4-Dichloro-2-butene	53	11.639	11.639	0.000	78	124955	25.0	30.4	
100 2-Chlorotoluene	126	11.698	11.698	0.000	96	309835	25.0	27.1	
101 1,3,5-Trimethylbenzene	105	11.757	11.757	0.000	94	1087317	25.0	27.2	
102 4-Chlorotoluene	126	11.805	11.805	0.000	97	325281	25.0	28.0	
103 tert-Butylbenzene	119	12.018	12.018	0.000	93	944784	25.0	27.5	
105 1,2,4-Trimethylbenzene	105	12.066	12.066	0.000	98	1104397	25.0	27.4	
106 sec-Butylbenzene	105	12.196	12.196	0.000	94	1367190	25.0	27.7	
108 4-Isopropyltoluene	119	12.315	12.315	0.000	97	1158967	25.0	27.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 1,3-Dichlorobenzene	146	12.327	12.327	0.000	98	615889	25.0	27.0	
109 1,4-Dichlorobenzene	146	12.410	12.410	0.000	96	610697	25.0	26.5	
112 n-Butylbenzene	91	12.647	12.647	0.000	98	1046860	25.0	28.0	
113 1,2-Dichlorobenzene	146	12.706	12.706	0.000	96	579974	25.0	26.5	
114 1,2-Dibromo-3-Chloropropane	157	13.358	13.358	0.000	87	110323	25.0	25.1	
116 1,2,4-Trichlorobenzene	180	13.975	13.975	0.000	94	377131	25.0	25.5	
117 Hexachlorobutadiene	225	14.058	14.058	0.000	98	167936	25.0	26.6	
118 Naphthalene	128	14.177	14.177	0.001	97	1158390	25.0	24.9	
119 1,2,3-Trichlorobenzene	180	14.366	14.366	0.000	95	358561	25.0	25.9	
S 125 Trihalomethanes, Total	1				0		100.0	106.0	
S 124 Total BTEX	1				0		125.0	132.3	
S 128 Xylenes, Total	106				0		50.0	53.5	

QC Flag Legend

Processing Flags

Reagents:

VMFASPW_00515	Amount Added: 20.00	Units: uL	
VMFASAW_00486	Amount Added: 20.00	Units: uL	
VMFASGW_00530	Amount Added: 10.00	Units: uL	
vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm25UX18IS_00009	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 23-Oct-2023 12:00:05

Chrom Revision: 2.3 22-Sep-2023 11:33:50

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225321.D

Injection Date: 22-Oct-2023 16:18:11

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: lcs

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

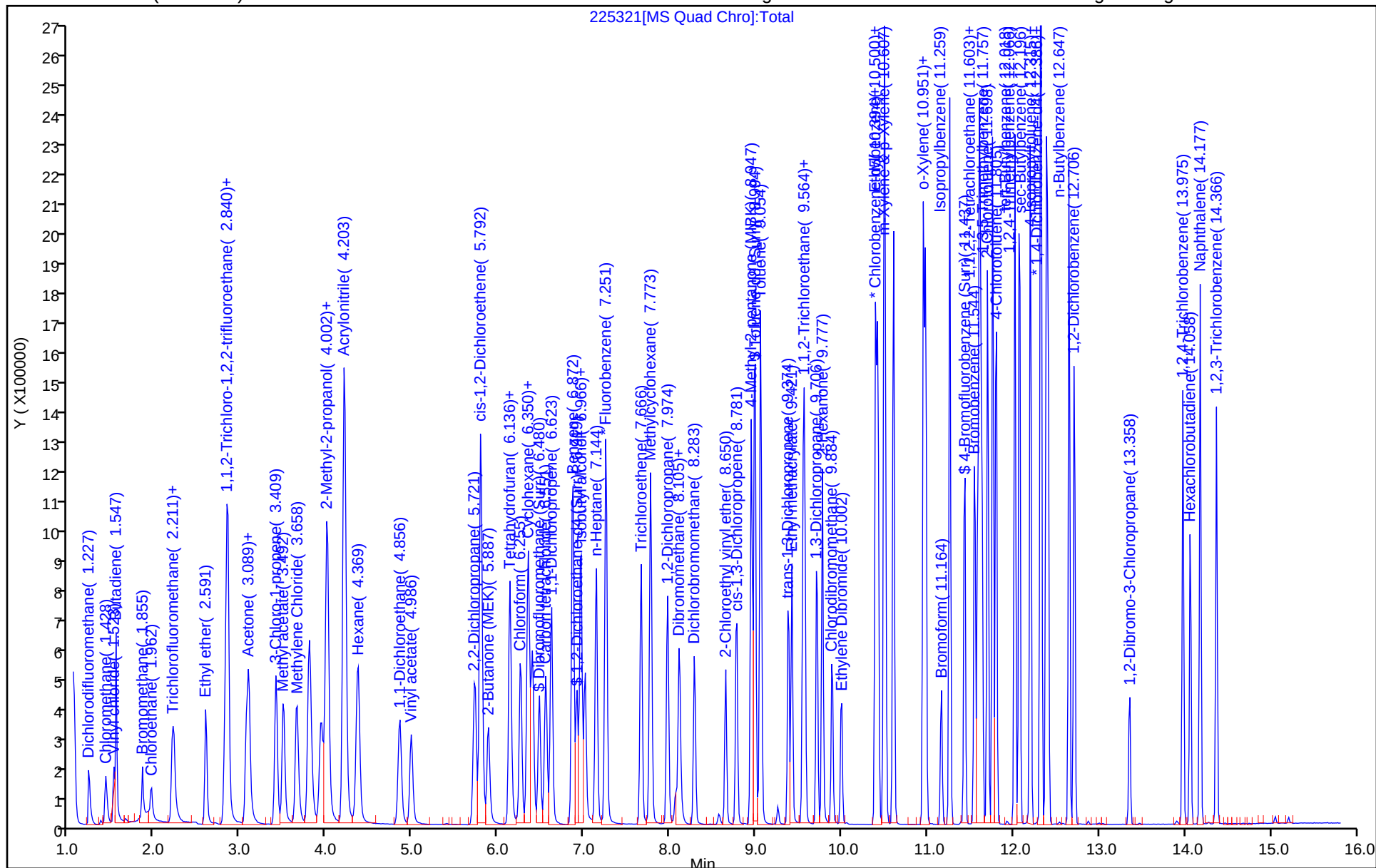
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\225321.D
Lims ID: lcs
Client ID:
Sample Type: LCS
Inject. Date: 22-Oct-2023 16:18:11 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0134937-005
Operator ID: 002808 Instrument ID: A3UX22
Method: \\chromfs\Canton\ChromData\A3UX22\20231022-134937.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Oct-2023 12:00:02 Calib Date: 11-Sep-2023 18:19:34
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: PHN3

Date: 22-Oct-2023 17:30:25

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	22.6	90.55
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	23.5	94.10
\$ 6 Toluene-d8 (Surr)	25.0	23.1	92.45
\$ 7 4-Bromofluorobenzene (Surr)	25.0	22.6	90.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 240-591763/5</u>
Matrix: <u>Water</u>	Lab File ID: <u>238023.D</u>
Analysis Method: <u>8260D</u>	Date Collected: _____
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/22/2023 16:06</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591763</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	22.4		1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	25.8		1.0	0.60
79-00-5	1,1,2-Trichloroethane	27.8		1.0	0.48
75-34-3	1,1-Dichloroethane	24.0		1.0	0.47
75-35-4	1,1-Dichloroethene	23.5		1.0	0.49
107-06-2	1,2-Dichloroethane	24.0		1.0	0.46
78-87-5	1,2-Dichloropropane	26.0		1.0	0.47
591-78-6	2-Hexanone	57.3		10	1.1
67-64-1	Acetone	42.7		10	5.4
71-43-2	Benzene	25.7		1.0	0.42
75-25-2	Bromoform	22.4		1.0	0.76
74-83-9	Bromomethane	11.5		1.0	0.42
75-15-0	Carbon disulfide	22.6		1.0	0.59
56-23-5	Carbon tetrachloride	22.7		1.0	0.26
108-90-7	Chlorobenzene	26.9		1.0	0.38
75-00-3	Chloroethane	12.5		1.0	0.83
67-66-3	Chloroform	24.1		1.0	0.47
74-87-3	Chloromethane	10.7		1.0	0.63
156-59-2	cis-1,2-Dichloroethene	24.0		1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	21.5		1.0	0.61
75-27-4	Dichlorobromomethane	22.3		1.0	0.38
100-41-4	Ethylbenzene	26.8		1.0	0.42
78-93-3	2-Butanone (MEK)	47.0		10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	52.1		10	0.99
75-09-2	Methylene Chloride	25.5		5.0	2.6
100-42-5	Styrene	29.0		1.0	0.45
127-18-4	Tetrachloroethene	28.0		1.0	0.44
108-88-3	Toluene	26.7		1.0	0.44
156-60-5	trans-1,2-Dichloroethene	24.7		1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	23.9		1.0	0.67
79-01-6	Trichloroethene	24.9		1.0	0.44
75-01-4	Vinyl chloride	10.9		1.0	0.45
1330-20-7	Xylenes, Total	53.0		2.0	0.42
124-48-1	Chlorodibromomethane	24.2		1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 240-591763/5
Matrix: Water Lab File ID: 238023.D
Analysis Method: 8260D Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 10/22/2023 16:06
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.: 591763 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		62-137
460-00-4	4-Bromofluorobenzene (Surr)	101		56-136
2037-26-5	Toluene-d8 (Surr)	113		78-122
1868-53-7	Dibromofluoromethane (Surr)	106		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\238023.D
 Lims ID: LCS
 Client ID:
 Sample Type: LCS
 Inject. Date: 22-Oct-2023 16:06:30 ALS Bottle#: 3 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134938-005
 Operator ID: Instrument ID: A3UX23
 Method: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\8260_23.m
 Limit Group: MSV 8260C ICAL
 Last Update: 23-Oct-2023 14:16:25 Calib Date: 04-Aug-2023 19:09:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1668

First Level Reviewer: PHN3

Date: 22-Oct-2023 17:34:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	6.591	6.591	0.000	98	724090	25.0	25.0	
* 2 Chlorobenzene-d5	117	9.738	9.727	0.011	87	517308	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.058	12.058	0.000	97	272448	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	113	5.810	5.798	0.012	78	168714	25.0	26.5	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.189	6.189	0.001	97	236624	25.0	25.7	
\$ 6 Toluene-d8 (Surr)	98	8.283	8.283	0.000	95	713003	25.0	28.3	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.910	10.910	0.000	88	255815	25.0	25.4	
9 Dichlorodifluoromethane	85	1.266	1.266	0.000	99	111359	12.5	11.8	
10 Chloromethane	50	1.420	1.420	0.000	100	145151	12.5	10.7	
11 Vinyl chloride	62	1.526	1.526	0.000	99	103087	12.5	10.9	
12 Butadiene	54	1.550	1.550	0.000	98	144365	12.5	11.4	
13 Bromomethane	94	1.834	1.834	0.000	92	59504	12.5	11.5	
14 Chloroethane	64	1.917	1.905	0.012	97	72353	12.5	12.5	
15 Dichlorofluoromethane	67	2.118	2.118	0.000	99	141791	12.5	13.1	
16 Trichlorofluoromethane	101	2.177	2.177	0.000	97	125057	12.5	13.3	
17 Ethyl ether	59	2.473	2.461	0.012	97	203490	25.0	25.8	
18 Acrolein	56	2.603	2.591	0.012	99	241176	125.0	485.5	E
19 1,1-Dichloroethene	96	2.698	2.698	0.000	96	145877	25.0	23.5	
20 1,1,2-Trichloro-1,2,2-trifluoro	151	2.745	2.745	0.000	94	123568	25.0	24.1	
21 Acetone	58	2.793	2.781	0.012	98	48005	50.0	42.7	
23 Iodomethane	142	2.864	2.852	0.012	99	251978	25.0	25.4	
24 Carbon disulfide	76	2.923	2.923	0.000	100	433792	25.0	22.6	
26 3-Chloro-1-propene	41	3.148	3.136	0.012	88	359671	25.0	20.0	
27 Methyl acetate	43	3.219	3.218	0.000	100	515172	50.0	44.9	
28 Methylene Chloride	84	3.313	3.301	0.012	95	188101	25.0	25.5	
29 2-Methyl-2-propanol	59	3.597	3.585	0.012	85	170216	250.0	165.5	
30 Acrylonitrile	53	3.680	3.668	0.012	97	1333531	250.0	272.1	
32 trans-1,2-Dichloroethene	96	3.704	3.692	0.012	94	190086	25.0	24.7	
31 Methyl tert-butyl ether	73	3.763	3.751	0.012	93	473380	25.0	20.5	
33 Hexane	57	4.153	4.153	0.000	96	315761	25.0	26.3	
34 1,1-Dichloroethane	63	4.354	4.343	0.011	98	365278	25.0	24.0	
35 Vinyl acetate	43	4.508	4.496	0.012	97	531591	25.0	26.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
39 cis-1,2-Dichloroethene	96	5.183	5.171	0.012	80	204757	25.0	24.0	
41 2,2-Dichloropropane	97	5.171	5.171	0.000	88	41432	25.0	21.4	
40 2-Butanone (MEK)	72	5.254	5.254	0.000	98	62277	50.0	47.0	
45 Chlorobromomethane	128	5.479	5.479	0.000	91	92891	25.0	23.7	
46 Tetrahydrofuran	42	5.585	5.573	0.012	91	208211	50.0	45.5	
47 Chloroform	83	5.609	5.609	0.000	99	329418	25.0	24.1	
48 1,1,1-Trichloroethane	97	5.810	5.798	0.012	97	263390	25.0	22.4	
49 Cyclohexane	56	5.857	5.857	0.000	97	398093	25.0	25.8	
51 Carbon tetrachloride	117	5.999	5.999	0.000	96	231919	25.0	22.7	
50 1,1-Dichloropropene	75	6.011	6.011	0.000	91	252171	25.0	24.4	
54 Benzene	78	6.248	6.248	0.000	98	794484	25.0	25.7	
53 1,2-Dichloroethane	62	6.283	6.283	0.000	97	314074	25.0	24.0	
52 Isobutyl alcohol	41	6.295	6.295	0.000	93	354604	625.0	755.9	
56 n-Heptane	100	6.615	6.614	0.001	97	46408	25.0	29.6	
58 Trichloroethene	130	6.993	6.993	0.000	97	193817	25.0	24.9	
60 Methylcyclohexane	83	7.194	7.194	0.000	96	304738	25.0	25.7	
61 1,2-Dichloropropane	63	7.230	7.230	0.000	96	215749	25.0	26.0	
63 Dibromomethane	93	7.348	7.348	0.000	96	120529	25.0	26.0	
64 1,4-Dioxane	88	7.419	7.419	0.000	95	45117	500.0	610.5	
65 Dichlorobromomethane	83	7.538	7.537	0.001	97	220302	25.0	22.3	
67 2-Chloroethyl vinyl ether	63	7.893	7.892	0.000	90	130877	25.0	22.1	
68 cis-1,3-Dichloropropene	75	8.011	8.011	0.000	90	251667	25.0	21.5	
69 4-Methyl-2-pentanone (MIBK)	43	8.212	8.212	0.000	99	685314	50.0	52.1	
70 Toluene	91	8.354	8.354	0.000	97	852181	25.0	26.7	
71 trans-1,3-Dichloropropene	75	8.591	8.591	0.000	98	254198	25.0	23.9	
72 Ethyl methacrylate	69	8.721	8.721	0.000	95	248376	25.0	26.1	
73 1,1,2-Trichloroethane	97	8.768	8.768	0.000	94	181446	25.0	27.8	
75 Tetrachloroethene	164	8.910	8.910	0.000	99	152016	25.0	28.0	
74 1,3-Dichloropropane	76	8.934	8.934	0.000	98	312470	25.0	27.0	
76 2-Hexanone	43	9.052	9.052	0.000	98	504182	50.0	57.3	
78 Chlorodibromomethane	129	9.159	9.159	0.000	90	163224	25.0	24.2	
80 Ethylene Dibromide	107	9.253	9.253	0.000	99	177885	25.0	26.6	
82 Chlorobenzene	112	9.762	9.762	0.000	93	527524	25.0	26.9	
83 1,1,1,2-Tetrachloroethane	131	9.845	9.845	0.000	93	177096	25.0	26.1	
84 Ethylbenzene	106	9.880	9.880	0.000	98	292627	25.0	26.8	
85 m-Xylene & p-Xylene	106	9.999	9.999	0.000	97	354272	25.0	27.1	
86 o-Xylene	106	10.389	10.389	0.000	94	340515	25.0	25.9	
87 Styrene	104	10.401	10.401	0.000	89	571225	25.0	29.0	
88 Bromoform	173	10.579	10.579	0.001	96	91217	25.0	22.4	
89 Isopropylbenzene	105	10.768	10.768	0.000	96	873731	25.0	26.8	
93 Bromobenzene	156	11.052	11.052	0.000	95	211810	25.0	25.1	
92 1,1,2,2-Tetrachloroethane	83	11.064	11.064	0.000	95	262689	25.0	25.8	
95 1,2,3-Trichloropropane	110	11.099	11.099	0.000	91	86758	25.0	25.6	
94 trans-1,4-Dichloro-2-butene	53	11.111	11.111	0.000	86	98941	25.0	24.4	
96 N-Propylbenzene	120	11.170	11.170	0.000	99	252601	25.0	25.9	
97 2-Chlorotoluene	126	11.253	11.253	0.000	97	211355	25.0	25.5	
99 1,3,5-Trimethylbenzene	105	11.348	11.348	0.000	94	741233	25.0	25.4	
100 4-Chlorotoluene	126	11.360	11.359	0.001	99	222852	25.0	26.3	
102 tert-Butylbenzene	119	11.667	11.667	0.000	94	613831	25.0	24.9	
104 1,2,4-Trimethylbenzene	105	11.715	11.714	0.001	98	762893	25.0	25.1	
105 sec-Butylbenzene	105	11.892	11.892	0.000	94	885249	25.0	25.8	
106 1,3-Dichlorobenzene	146	11.987	11.987	0.000	98	402177	25.0	25.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 4-Isopropyltoluene	119	12.034	12.034	0.000	97	741373	25.0	25.5	
108 1,4-Dichlorobenzene	146	12.081	12.081	0.000	97	421101	25.0	26.5	
111 n-Butylbenzene	91	12.448	12.448	0.000	98	628694	25.0	25.0	
112 1,2-Dichlorobenzene	146	12.448	12.448	0.000	78	384675	25.0	25.4	
113 1,2-Dibromo-3-Chloropropane	157	13.217	13.217	0.000	77	43841	25.0	20.5	
115 1,2,4-Trichlorobenzene	180	14.046	14.046	0.000	94	178782	25.0	19.9	
116 Hexachlorobutadiene	225	14.235	14.235	0.000	98	70369	25.0	23.6	
117 Naphthalene	128	14.282	14.282	0.000	98	721088	25.0	22.8	
118 1,2,3-Trichlorobenzene	180	14.531	14.531	0.000	96	185615	25.0	22.3	
S 134 Trihalomethanes, Total	1				0		100.0	93.1	
S 158 Total BTEX	1				0		125.0	132.2	
S 133 Xylenes, Total	106				0		50.0	53.0	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Reagents:

VMFASAW_00486	Amount Added: 20.00	Units: uL	
VMFASGW_00530	Amount Added: 10.00	Units: uL	
VMFASPW_00515	Amount Added: 20.00	Units: uL	
vm125UX21_IS_00057	Amount Added: 1.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm125UX21_SS_00009	Amount Added: 1.00	Units: uL	Run Reagent

Report Date: 23-Oct-2023 14:16:28

Chrom Revision: 2.3 22-Sep-2023 11:33:50

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\238023.D

Injection Date: 22-Oct-2023 16:06:30

Instrument ID: A3UX23

Operator ID:

Lims ID: LCS

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

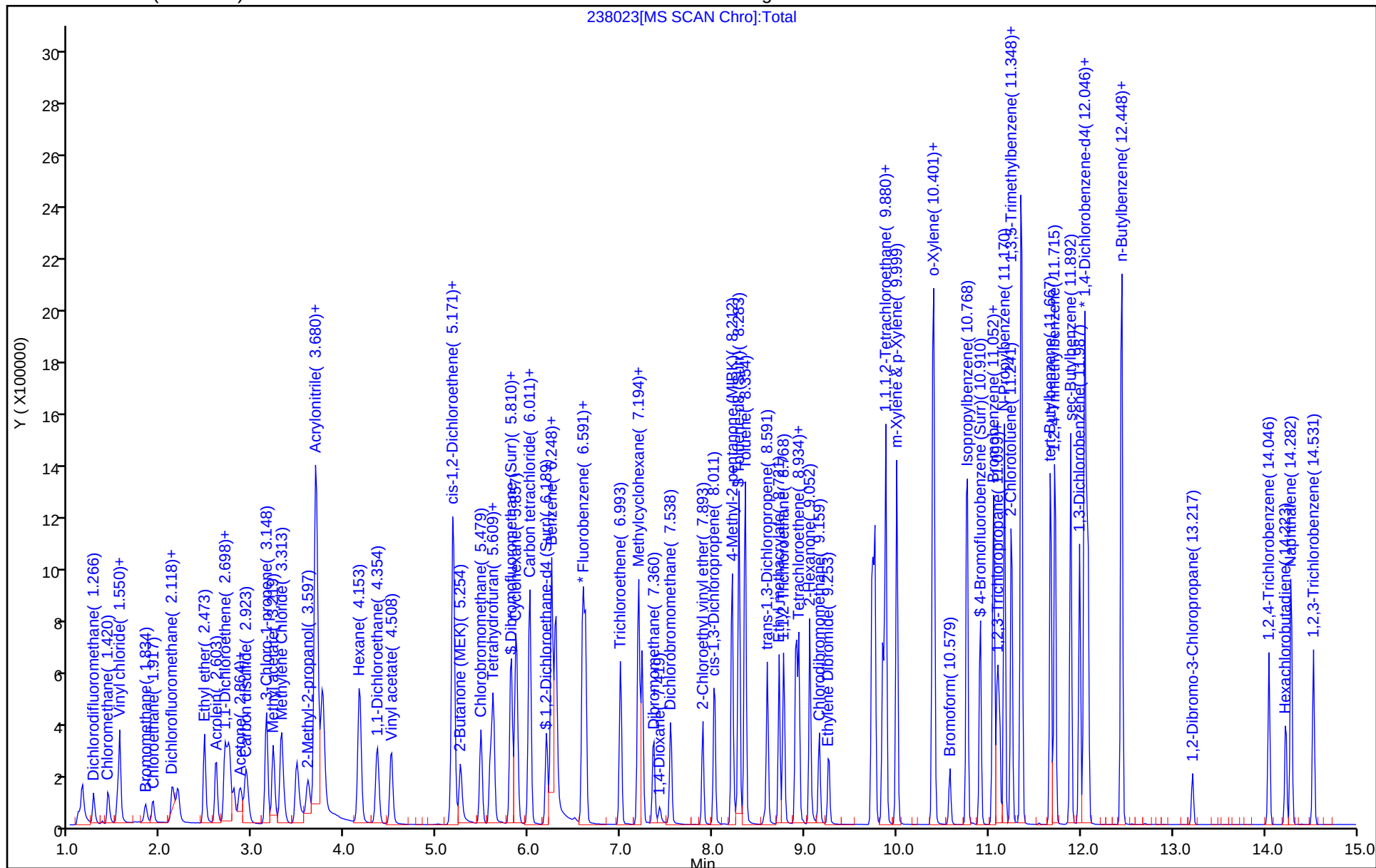
ALS Bottle#: 3

Method: 8260_23

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Set to Absolute Y Value



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\238023.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 22-Oct-2023 16:06:30 ALS Bottle#: 3 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0134938-005
Operator ID: Instrument ID: A3UX23
Method: \\chromfs\Canton\ChromData\A3UX23\20231022-134938.b\8260_23.m
Limit Group: MSV 8260C ICAL
Last Update: 23-Oct-2023 14:16:25 Calib Date: 04-Aug-2023 19:09:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX23\20230804-132136.b\236436.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1668

First Level Reviewer: PHN3

Date: 22-Oct-2023 17:34:37

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	26.5	106.13
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	25.7	102.81
\$ 6 Toluene-d8 (Surr)	25.0	28.3	113.16
\$ 7 4-Bromofluorobenzene (Surr)	25.0	25.4	101.49

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: _____	Lab Sample ID: <u>LCS 240-591927/5</u>
Matrix: <u>Water</u>	Lab File ID: <u>225382.D</u>
Analysis Method: <u>8260D</u>	Date Collected: _____
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/24/2023 03:10</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591927</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	25.5		1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	25.5		1.0	0.60
79-00-5	1,1,2-Trichloroethane	25.8		1.0	0.48
75-34-3	1,1-Dichloroethane	25.9		1.0	0.47
75-35-4	1,1-Dichloroethene	26.3		1.0	0.49
107-06-2	1,2-Dichloroethane	26.0		1.0	0.46
78-87-5	1,2-Dichloropropane	25.4		1.0	0.47
591-78-6	2-Hexanone	52.1		10	1.1
67-64-1	Acetone	50.0		10	5.4
71-43-2	Benzene	25.3		1.0	0.42
75-25-2	Bromoform	24.3		1.0	0.76
74-83-9	Bromomethane	13.4		1.0	0.42
75-15-0	Carbon disulfide	25.3		1.0	0.59
56-23-5	Carbon tetrachloride	24.7		1.0	0.26
108-90-7	Chlorobenzene	24.9		1.0	0.38
75-00-3	Chloroethane	13.9		1.0	0.83
67-66-3	Chloroform	25.7		1.0	0.47
74-87-3	Chloromethane	12.0		1.0	0.63
156-59-2	cis-1,2-Dichloroethene	25.4		1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	23.2		1.0	0.61
75-27-4	Dichlorobromomethane	25.1		1.0	0.38
100-41-4	Ethylbenzene	25.0		1.0	0.42
78-93-3	2-Butanone (MEK)	48.5		10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	48.0		10	0.99
75-09-2	Methylene Chloride	25.7		5.0	2.6
100-42-5	Styrene	25.0		1.0	0.45
127-18-4	Tetrachloroethene	23.9		1.0	0.44
108-88-3	Toluene	25.0		1.0	0.44
156-60-5	trans-1,2-Dichloroethene	25.2		1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	25.6		1.0	0.67
79-01-6	Trichloroethene	23.5		1.0	0.44
75-01-4	Vinyl chloride	12.5		1.0	0.45
1330-20-7	Xylenes, Total	49.6		2.0	0.42
124-48-1	Chlorodibromomethane	25.8		1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: _____ Lab Sample ID: LCS 240-591927/5
Matrix: Water Lab File ID: 225382.D
Analysis Method: 8260D Date Collected: _____
Sample wt/vol: 5 (mL) Date Analyzed: 10/24/2023 03:10
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 591927 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		62-137
460-00-4	4-Bromofluorobenzene (Surr)	90		56-136
2037-26-5	Toluene-d8 (Surr)	94		78-122
1868-53-7	Dibromofluoromethane (Surr)	89		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231023-134987.b\225382.D
 Lims ID: lcs
 Client ID:
 Sample Type: LCS
 Inject. Date: 24-Oct-2023 03:10:53 ALS Bottle#: 0 Worklist Smp#: 5
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134987-005
 Operator ID: 002808 Instrument ID: A3UX22
 Method: \\chromfs\Canton\ChromData\A3UX22\20231023-134987.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 24-Oct-2023 13:04:24 Calib Date: 11-Sep-2023 18:19:34
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1634

First Level Reviewer: PHN3

Date: 24-Oct-2023 11:54:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.251	7.251	0.000	98	1229523	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.393	10.394	-0.001	87	874299	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	95	471054	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	284881	25.0	22.2	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	322331	25.0	23.5	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.983	0.011	94	1087807	25.0	23.4	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.437	11.425	0.012	96	377510	25.0	22.5	
9 Dichlorodifluoromethane	85	1.239	1.239	0.000	99	149427	12.5	10.8	
10 Chloromethane	50	1.440	1.429	0.011	98	181109	12.5	12.0	
12 Vinyl chloride	62	1.523	1.523	0.000	98	172973	12.5	12.5	
11 Butadiene	54	1.559	1.547	0.012	92	182527	12.5	13.7	
13 Bromomethane	94	1.867	1.855	0.012	92	81007	12.5	13.4	
15 Chloroethane	64	1.962	1.962	0.000	100	102660	12.5	13.9	
17 Trichlorofluoromethane	101	2.211	2.199	0.012	98	207591	12.5	12.5	
16 Dichlorofluoromethane	67	2.235	2.223	0.012	98	250952	12.5	13.1	
18 Ethyl ether	59	2.602	2.591	0.011	93	230276	25.0	25.2	
21 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.828	2.828	0.000	94	243067	25.0	23.4	
19 Acrolein	56	2.851	2.840	0.011	99	346455	125.0	219.0	
20 1,1-Dichloroethene	96	2.863	2.852	0.011	97	243682	25.0	26.3	
22 Acetone	43	3.065	3.065	0.000	99	341452	50.0	50.0	
24 Iodomethane	142	3.077	3.077	0.000	99	256075	25.0	20.9	
25 Carbon disulfide	76	3.100	3.101	-0.001	100	680008	25.0	25.3	
27 3-Chloro-1-propene	41	3.421	3.409	0.012	90	395675	25.0	24.7	
28 Methyl acetate	43	3.504	3.492	0.012	98	711637	50.0	43.0	
29 Methylene Chloride	84	3.658	3.658	0.000	94	294956	25.0	25.7	
30 2-Methyl-2-propanol	59	3.942	3.931	0.011	97	610769	250.0	216.0	
33 Methyl tert-butyl ether	73	4.014	4.002	0.012	94	839435	25.0	25.8	
32 trans-1,2-Dichloroethene	96	4.014	4.002	0.012	67	272857	25.0	25.2	
31 Acrylonitrile	53	4.215	4.204	0.011	98	1832932	250.0	257.7	
34 Hexane	57	4.369	4.358	0.011	95	351101	25.0	22.6	
35 1,1-Dichloroethane	63	4.855	4.844	0.011	96	517529	25.0	25.9	
36 Vinyl acetate	43	4.986	4.986	0.000	97	608173	25.0	34.0	

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	5.733	5.721	0.012	92	57392	25.0	19.7	
41 cis-1,2-Dichloroethene	96	5.804	5.793	0.011	58	299732	25.0	25.4	
40 2-Butanone (MEK)	72	5.887	5.887	0.000	100	125586	50.0	48.5	
46 Chlorobromomethane	49	6.136	6.125	0.011	95	230076	25.0	24.6	
47 Tetrahydrofuran	42	6.136	6.136	0.000	89	335391	50.0	46.4	
48 Chloroform	83	6.267	6.255	0.012	94	501624	25.0	25.7	
50 Cyclohexane	84	6.350	6.350	0.000	92	401138	25.0	24.0	
49 1,1,1-Trichloroethane	97	6.397	6.397	0.000	99	413526	25.0	25.5	
52 Carbon tetrachloride	117	6.551	6.552	-0.001	97	337754	25.0	24.7	
51 1,1-Dichloropropene	75	6.622	6.623	-0.001	96	373939	25.0	24.0	
54 Benzene	78	6.871	6.860	0.011	96	1131215	25.0	25.3	
53 Isobutyl alcohol	41	6.966	6.955	0.011	93	497557	625.0	588.8	
55 1,2-Dichloroethane	62	7.014	7.014	0.000	97	402639	25.0	26.0	
57 n-Heptane	100	7.144	7.144	0.000	92	64906	25.0	23.0	
59 Trichloroethene	130	7.666	7.666	0.000	97	291311	25.0	23.5	
61 Methylcyclohexane	83	7.773	7.773	0.000	93	414066	25.0	22.7	
62 1,2-Dichloropropane	63	7.974	7.975	-0.001	93	291115	25.0	25.4	
64 Dibromomethane	174	8.105	8.105	0.000	96	200974	25.0	25.2	
65 1,4-Dioxane	88	8.117	8.117	0.000	95	123704	500.0	407.1	
66 Dichlorobromomethane	83	8.283	8.283	0.000	99	346215	25.0	25.1	
68 2-Chloroethyl vinyl ether	63	8.650	8.650	0.000	92	201686	25.0	22.1	
69 cis-1,3-Dichloropropene	75	8.781	8.769	0.012	94	373365	25.0	23.2	
70 4-Methyl-2-pentanone (MIBK)	43	8.947	8.947	0.000	97	880225	50.0	48.0	
71 Toluene	91	9.053	9.054	-0.001	98	1141023	25.0	25.0	
72 trans-1,3-Dichloropropene	75	9.385	9.374	0.011	93	347771	25.0	25.6	
73 Ethyl methacrylate	69	9.421	9.421	0.000	91	397192	25.0	25.9	
74 1,1,2-Trichloroethane	97	9.552	9.552	0.000	94	263327	25.0	25.8	
75 Tetrachloroethene	166	9.575	9.564	0.011	96	281618	25.0	23.9	
76 1,3-Dichloropropane	76	9.718	9.706	0.012	92	472934	25.0	26.4	
77 2-Hexanone	43	9.777	9.777	0.000	98	690293	50.0	52.1	
79 Chlorodibromomethane	129	9.895	9.884	0.011	90	259532	25.0	25.8	
81 Ethylene Dibromide	107	10.002	9.991	0.011	98	279395	25.0	25.8	
83 Chlorobenzene	112	10.417	10.417	0.000	94	724367	25.0	24.9	
85 Ethylbenzene	106	10.500	10.500	0.000	98	388144	25.0	25.0	
84 1,1,1,2-Tetrachloroethane	131	10.512	10.512	0.000	94	245045	25.0	25.7	
86 m-Xylene & p-Xylene	106	10.607	10.607	0.000	99	473770	25.0	24.9	
87 o-Xylene	106	10.951	10.951	0.000	99	457406	25.0	24.7	
88 Styrene	104	10.975	10.975	0.000	95	761939	25.0	25.0	
89 Bromoform	173	11.164	11.165	-0.001	97	172924	25.0	24.3	
90 Isopropylbenzene	105	11.259	11.259	0.000	96	1164478	25.0	24.6	
95 Bromobenzene	156	11.556	11.556	0.000	95	300604	25.0	24.7	
93 1,1,2,2-Tetrachloroethane	83	11.579	11.580	-0.001	95	418035	25.0	25.5	
98 N-Propylbenzene	120	11.603	11.603	0.000	99	321081	25.0	24.5	
96 1,2,3-Trichloropropane	110	11.627	11.627	0.000	87	144319	25.0	26.1	
97 trans-1,4-Dichloro-2-butene	53	11.639	11.639	0.000	74	100623	25.0	24.5	
100 2-Chlorotoluene	126	11.698	11.698	0.000	96	283504	25.0	24.8	
101 1,3,5-Trimethylbenzene	105	11.757	11.757	0.000	95	983664	25.0	24.6	
102 4-Chlorotoluene	126	11.805	11.805	0.000	97	293782	25.0	25.3	
103 tert-Butylbenzene	119	12.018	12.018	0.000	94	833260	25.0	24.2	
105 1,2,4-Trimethylbenzene	105	12.077	12.066	0.011	97	988749	25.0	24.5	
106 sec-Butylbenzene	105	12.196	12.196	0.000	95	1208699	25.0	24.5	
108 4-Isopropyltoluene	119	12.315	12.315	0.000	97	1001966	25.0	23.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
107 1,3-Dichlorobenzene	146	12.326	12.327	-0.001	98	553667	25.0	24.3	
109 1,4-Dichlorobenzene	146	12.409	12.410	-0.001	96	563836	25.0	24.5	
112 n-Butylbenzene	91	12.647	12.647	0.000	98	896943	25.0	24.0	
113 1,2-Dichlorobenzene	146	12.706	12.706	0.000	98	545895	25.0	24.9	
114 1,2-Dibromo-3-Chloropropane	157	13.358	13.358	0.000	87	104058	25.0	23.7	
116 1,2,4-Trichlorobenzene	180	13.975	13.975	0.000	93	339296	25.0	22.9	
117 Hexachlorobutadiene	225	14.070	14.058	0.012	98	141010	25.0	22.4	
118 Naphthalene	128	14.176	14.177	-0.001	97	1099228	25.0	23.6	
119 1,2,3-Trichlorobenzene	180	14.366	14.366	0.000	95	329462	25.0	23.8	
S 125 Trihalomethanes, Total	1				0		100.0	100.9	
S 124 Total BTEX	1				0		125.0	124.9	
S 128 Xylenes, Total	106				0		50.0	49.6	

QC Flag Legend

Processing Flags

Reagents:

VMFASPW_00515	Amount Added: 20.00	Units: uL	
VMFASAW_00486	Amount Added: 20.00	Units: uL	
VMFASGW_00530	Amount Added: 10.00	Units: uL	
vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm25UX18IS_00009	Amount Added: 5.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231023-134987.b\225382.D

Injection Date: 24-Oct-2023 03:10:53

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: lcs

Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

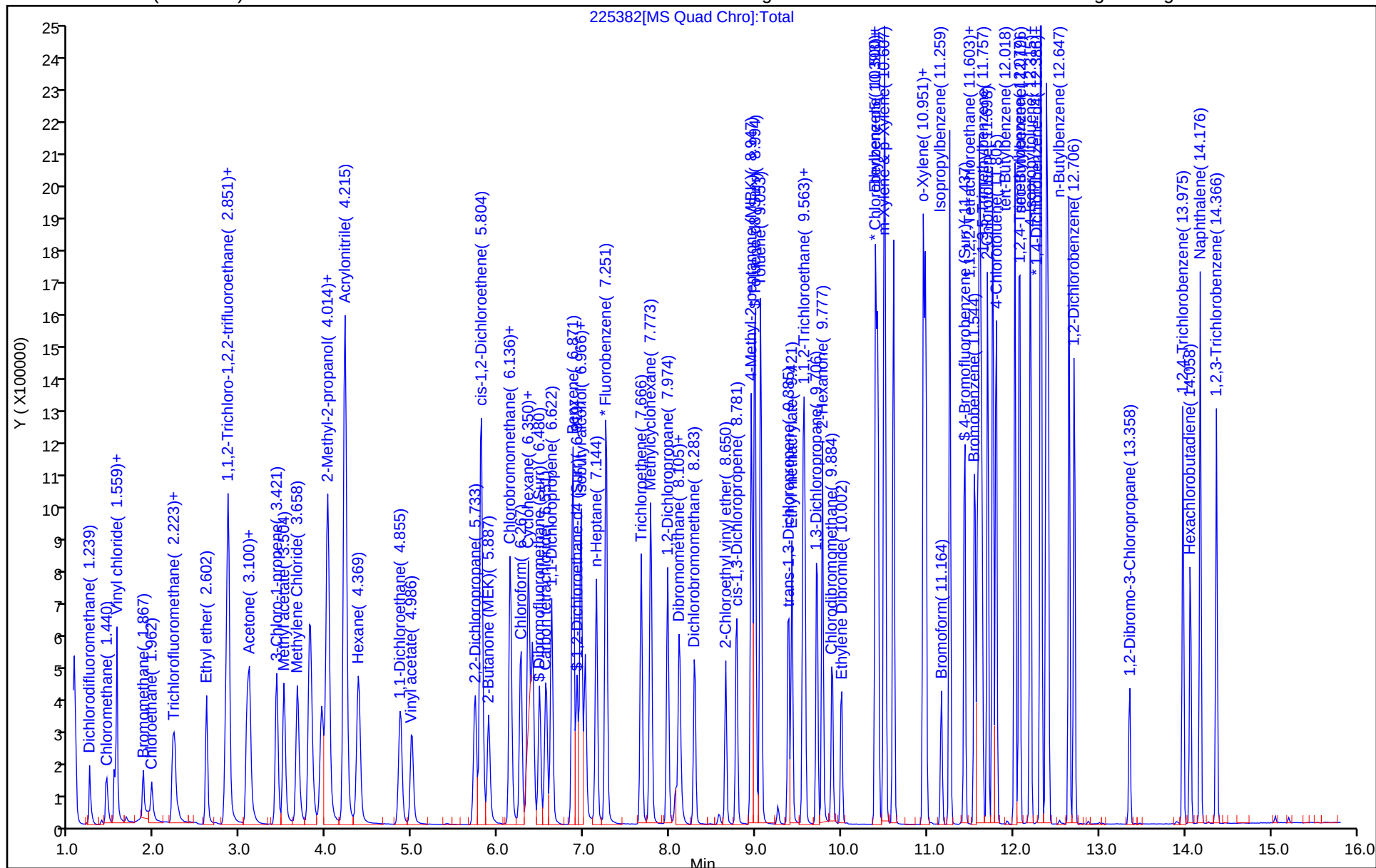
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231023-134987.b\225382.D
Lims ID: lcs
Client ID:
Sample Type: LCS
Inject. Date: 24-Oct-2023 03:10:53 ALS Bottle#: 0 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0134987-005
Operator ID: 002808 Instrument ID: A3UX22
Method: \\chromfs\Canton\ChromData\A3UX22\20231023-134987.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 24-Oct-2023 13:04:24 Calib Date: 11-Sep-2023 18:19:34
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1634

First Level Reviewer: PHN3

Date: 24-Oct-2023 11:54:07

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	22.2	88.90
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	23.5	93.95
\$ 6 Toluene-d8 (Surr)	25.0	23.4	93.72
\$ 7 4-Bromofluorobenzene (Surr)	25.0	22.5	89.85

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>GW-101123-BE-038 MS</u>	Lab Sample ID: <u>240-193522-17 MS</u>
Matrix: <u>Water</u>	Lab File ID: <u>225315.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/11/2023 09:10</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/21/2023 00:43</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591678</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	24.7		1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	25.4		1.0	0.60
79-00-5	1,1,2-Trichloroethane	25.1		1.0	0.48
75-34-3	1,1-Dichloroethane	25.8		1.0	0.47
75-35-4	1,1-Dichloroethene	26.1		1.0	0.49
107-06-2	1,2-Dichloroethane	25.6		1.0	0.46
78-87-5	1,2-Dichloropropane	25.2		1.0	0.47
591-78-6	2-Hexanone	50.8		10	1.1
67-64-1	Acetone	49.2		10	5.4
71-43-2	Benzene	25.2		1.0	0.42
75-25-2	Bromoform	23.1		1.0	0.76
74-83-9	Bromomethane	8.41		1.0	0.42
75-15-0	Carbon disulfide	24.9		1.0	0.59
56-23-5	Carbon tetrachloride	23.8		1.0	0.26
108-90-7	Chlorobenzene	24.5		1.0	0.38
75-00-3	Chloroethane	11.2		1.0	0.83
67-66-3	Chloroform	24.6		1.0	0.47
74-87-3	Chloromethane	10.8		1.0	0.63
156-59-2	cis-1,2-Dichloroethene	25.5		1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	23.1		1.0	0.61
75-27-4	Dichlorobromomethane	24.3		1.0	0.38
100-41-4	Ethylbenzene	24.6		1.0	0.42
78-93-3	2-Butanone (MEK)	49.8		10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	49.6		10	0.99
75-09-2	Methylene Chloride	24.4		5.0	2.6
100-42-5	Styrene	24.7		1.0	0.45
127-18-4	Tetrachloroethene	25.7		1.0	0.44
108-88-3	Toluene	24.6		1.0	0.44
156-60-5	trans-1,2-Dichloroethene	24.9		1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	25.1		1.0	0.67
79-01-6	Trichloroethene	23.8		1.0	0.44
75-01-4	Vinyl chloride	11.6		1.0	0.45
1330-20-7	Xylenes, Total	49.2		2.0	0.42
124-48-1	Chlorodibromomethane	24.3		1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: GW-101123-BE-038 MS Lab Sample ID: 240-193522-17 MS
Matrix: Water Lab File ID: 225315.D
Analysis Method: 8260D Date Collected: 10/11/2023 09:10
Sample wt/vol: 5 (mL) Date Analyzed: 10/21/2023 00:43
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 591678 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		62-137
460-00-4	4-Bromofluorobenzene (Surr)	94		56-136
2037-26-5	Toluene-d8 (Surr)	95		78-122
1868-53-7	Dibromofluoromethane (Surr)	92		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225315.D
 Lims ID: 240-193522-F-17 MS
 Client ID: GW-101123-BE-038
 Sample Type: MS
 Inject. Date: 21-Oct-2023 00:43:40 ALS Bottle#: 0 Worklist Smp#: 29
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134907-029
 Operator ID: 002808 Instrument ID: A3UX22
 Method: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 22-Oct-2023 15:07:24 Calib Date: 11-Sep-2023 18:19:34
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:30:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.251	7.251	0.000	98	1258226	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.394	0.000	88	911606	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	95	483836	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	303067	25.0	23.1	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	343717	25.0	24.5	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	94	1146822	25.0	23.7	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.437	11.437	0.000	96	412976	25.0	23.6	
10 Chloromethane	50	1.429	1.429	0.000	99	166100	12.5	10.8	
12 Vinyl chloride	62	1.523	1.523	0.000	99	164377	12.5	11.6	
13 Bromomethane	94	1.855	1.856	-0.001	92	51831	12.5	8.41	
15 Chloroethane	64	1.950	1.962	-0.012	98	84526	12.5	11.2	
20 1,1-Dichloroethene	96	2.852	2.864	-0.012	97	248002	25.0	26.1	
22 Acetone	43	3.065	3.065	0.000	99	343980	50.0	49.2	
25 Carbon disulfide	76	3.089	3.101	-0.012	100	685904	25.0	24.9	
29 Methylene Chloride	84	3.658	3.658	0.000	95	286699	25.0	24.4	
32 trans-1,2-Dichloroethene	96	4.002	4.014	-0.012	69	275664	25.0	24.9	
35 1,1-Dichloroethane	63	4.856	4.856	0.000	96	527485	25.0	25.8	
41 cis-1,2-Dichloroethene	96	5.793	5.793	0.000	81	308419	25.0	25.5	
40 2-Butanone (MEK)	72	5.887	5.887	0.000	100	131989	50.0	49.8	
48 Chloroform	83	6.255	6.267	-0.012	93	492303	25.0	24.6	
49 1,1,1-Trichloroethane	97	6.397	6.397	0.000	98	408679	25.0	24.7	
52 Carbon tetrachloride	117	6.551	6.552	-0.001	97	332712	25.0	23.8	
54 Benzene	78	6.872	6.872	0.000	96	1152167	25.0	25.2	
55 1,2-Dichloroethane	62	7.014	7.014	0.000	97	406139	25.0	25.6	
59 Trichloroethene	130	7.666	7.666	0.000	98	301765	25.0	23.8	
62 1,2-Dichloropropane	63	7.975	7.975	0.000	93	295755	25.0	25.2	
66 Dichlorobromomethane	83	8.283	8.283	0.000	99	342105	25.0	24.3	
69 cis-1,3-Dichloropropene	75	8.781	8.781	0.000	94	380682	25.0	23.1	
70 4-Methyl-2-pentanone (MIBK)	43	8.947	8.947	0.000	97	931126	50.0	49.6	
71 Toluene	91	9.054	9.054	0.000	98	1170253	25.0	24.6	
72 trans-1,3-Dichloropropene	75	9.386	9.386	0.000	93	355876	25.0	25.1	
74 1,1,2-Trichloroethane	97	9.552	9.552	0.000	94	267128	25.0	25.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
75 Tetrachloroethene	166	9.575	9.576	-0.001	97	315897	25.0	25.7	
77 2-Hexanone	43	9.777	9.777	0.000	97	701969	50.0	50.8	
79 Chlorodibromomethane	129	9.884	9.884	0.000	90	255283	25.0	24.3	
83 Chlorobenzene	112	10.417	10.417	0.000	96	742294	25.0	24.5	
85 Ethylbenzene	106	10.500	10.500	0.000	98	397824	25.0	24.6	
86 m-Xylene & p-Xylene	106	10.607	10.607	0.000	99	484645	25.0	24.4	
87 o-Xylene	106	10.951	10.951	0.000	98	477685	25.0	24.8	
88 Styrene	104	10.975	10.975	0.000	95	785858	25.0	24.7	
89 Bromoform	173	11.165	11.165	-0.001	96	171455	25.0	23.1	
93 1,1,2,2-Tetrachloroethane	83	11.580	11.580	0.000	94	426605	25.0	25.4	
S 128 Xylenes, Total	106				0		50.0	49.2	

QC Flag Legend

Processing Flags

Reagents:

VMFASA9W_00427	Amount Added: 20.00	Units: uL	
VM4AcryIFASW_00033	Amount Added: 20.00	Units: uL	
VMFASAW_00486	Amount Added: 20.00	Units: uL	
VMFASPW_00515	Amount Added: 20.00	Units: uL	
VMFASGW_00529	Amount Added: 10.00	Units: uL	
vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm25UX18IS_00009	Amount Added: 5.00	Units: uL	Run Reagent

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225315.D

Injection Date: 21-Oct-2023 00:43:40

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: 240-193522-F-17 MS

Worklist Smp#: 29

Client ID: GW-101123-BE-038

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

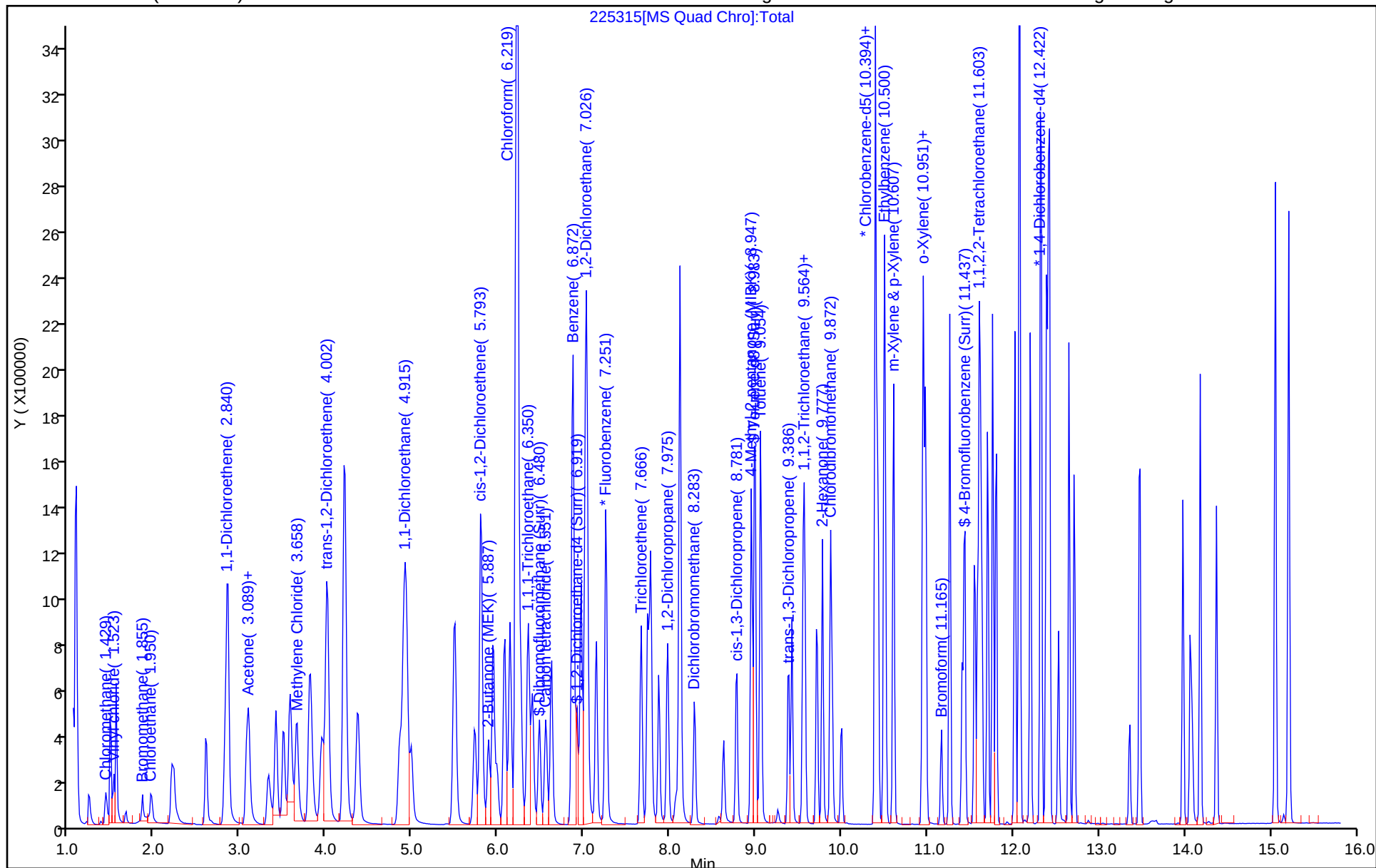
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225315.D
Lims ID: 240-193522-F-17 MS
Client ID: GW-101123-BE-038
Sample Type: MS
Inject. Date: 21-Oct-2023 00:43:40 ALS Bottle#: 0 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 240-0134907-029
Operator ID: 002808 Instrument ID: A3UX22
Method: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\8260_22.m
Limit Group: MSV 8260C ICAL
Last Update: 22-Oct-2023 15:07:24 Calib Date: 11-Sep-2023 18:19:34
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
Column 1 : DB-624 (0.18 mm) Det: MS SCAN
Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:30:13

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	23.1	92.42
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	24.5	97.90
\$ 6 Toluene-d8 (Surr)	25.0	23.7	94.76
\$ 7 4-Bromofluorobenzene (Surr)	25.0	23.6	94.27

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>Eurofins Cleveland</u>	Job No.: <u>240-193522-1</u>
SDG No.: _____	
Client Sample ID: <u>GW-101123-BE-038 MSD</u>	Lab Sample ID: <u>240-193522-17 MSD</u>
Matrix: <u>Water</u>	Lab File ID: <u>225316.D</u>
Analysis Method: <u>8260D</u>	Date Collected: <u>10/11/2023 09:10</u>
Sample wt/vol: <u>5 (mL)</u>	Date Analyzed: <u>10/21/2023 01:07</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>1</u>
Soil Extract Vol.: _____	GC Column: <u>DB-624</u> ID: <u>0.18 (mm)</u>
Purge Volume: <u>5.0 (mL)</u>	Heated Purge: (Y/N) <u>N</u> pH: _____
% Moisture: _____ % Solids: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>591678</u>	Units: <u>ug/L</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	25.3		1.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	26.5		1.0	0.60
79-00-5	1,1,2-Trichloroethane	25.9		1.0	0.48
75-34-3	1,1-Dichloroethane	26.9		1.0	0.47
75-35-4	1,1-Dichloroethene	26.9		1.0	0.49
107-06-2	1,2-Dichloroethane	26.8		1.0	0.46
78-87-5	1,2-Dichloropropane	26.4		1.0	0.47
591-78-6	2-Hexanone	53.2		10	1.1
67-64-1	Acetone	51.2		10	5.4
71-43-2	Benzene	26.1		1.0	0.42
75-25-2	Bromoform	23.5		1.0	0.76
74-83-9	Bromomethane	10.7		1.0	0.42
75-15-0	Carbon disulfide	26.0		1.0	0.59
56-23-5	Carbon tetrachloride	24.6		1.0	0.26
108-90-7	Chlorobenzene	25.1		1.0	0.38
75-00-3	Chloroethane	11.7		1.0	0.83
67-66-3	Chloroform	25.6		1.0	0.47
74-87-3	Chloromethane	12.0		1.0	0.63
156-59-2	cis-1,2-Dichloroethene	26.0		1.0	0.46
10061-01-5	cis-1,3-Dichloropropene	24.3		1.0	0.61
75-27-4	Dichlorobromomethane	25.1		1.0	0.38
100-41-4	Ethylbenzene	25.5		1.0	0.42
78-93-3	2-Butanone (MEK)	51.2		10	1.2
108-10-1	4-Methyl-2-pentanone (MIBK)	51.1		10	0.99
75-09-2	Methylene Chloride	25.4		5.0	2.6
100-42-5	Styrene	25.2		1.0	0.45
127-18-4	Tetrachloroethene	25.8		1.0	0.44
108-88-3	Toluene	25.1		1.0	0.44
156-60-5	trans-1,2-Dichloroethene	25.6		1.0	0.51
10061-02-6	trans-1,3-Dichloropropene	26.0		1.0	0.67
79-01-6	Trichloroethene	24.6		1.0	0.44
75-01-4	Vinyl chloride	12.3		1.0	0.45
1330-20-7	Xylenes, Total	50.4		2.0	0.42
124-48-1	Chlorodibromomethane	25.1		1.0	0.39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1
SDG No.: _____
Client Sample ID: GW-101123-BE-038 MSD Lab Sample ID: 240-193522-17 MSD
Matrix: Water Lab File ID: 225316.D
Analysis Method: 8260D Date Collected: 10/11/2023 09:10
Sample wt/vol: 5 (mL) Date Analyzed: 10/21/2023 01:07
Soil Aliquot Vol: _____ Dilution Factor: 1
Soil Extract Vol.: _____ GC Column: DB-624 ID: 0.18 (mm)
Purge Volume: 5.0 (mL) Heated Purge: (Y/N) N pH: _____
% Moisture: _____ % Solids: _____ Level: (low/med) Low
Analysis Batch No.: 591678 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		62-137
460-00-4	4-Bromofluorobenzene (Surr)	92		56-136
2037-26-5	Toluene-d8 (Surr)	93		78-122
1868-53-7	Dibromofluoromethane (Surr)	89		73-120

Eurofins Cleveland
Target Compound Quantitation Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225316.D
 Lims ID: 240-193522-I-17 MSD
 Client ID: GW-101123-BE-038
 Sample Type: MSD
 Inject. Date: 21-Oct-2023 01:07:27 ALS Bottle#: 0 Worklist Smp#: 30
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134907-030
 Operator ID: 002808 Instrument ID: A3UX22
 Method: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 22-Oct-2023 15:07:24 Calib Date: 11-Sep-2023 18:19:34
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:31:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 1 Fluorobenzene	96	7.251	7.251	0.000	98	1245012	25.0	25.0	
* 2 Chlorobenzene-d5	117	10.394	10.394	0.000	88	904263	25.0	25.0	
* 3 1,4-Dichlorobenzene-d4	152	12.386	12.386	0.000	94	466135	25.0	25.0	
\$ 4 Dibromofluoromethane (Surr)	111	6.480	6.480	0.000	93	289487	25.0	22.3	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.919	6.919	0.000	0	334788	25.0	24.1	
\$ 6 Toluene-d8 (Surr)	98	8.994	8.994	0.000	94	1112600	25.0	23.2	
\$ 7 4-Bromofluorobenzene (Surr)	95	11.437	11.437	0.000	95	398928	25.0	23.0	
10 Chloromethane	50	1.428	1.429	-0.001	99	183170	12.5	12.0	
12 Vinyl chloride	62	1.523	1.523	0.000	98	171845	12.5	12.3	
13 Bromomethane	94	1.855	1.856	-0.001	91	65469	12.5	10.7	
15 Chloroethane	64	1.962	1.962	0.000	97	87154	12.5	11.7	
20 1,1-Dichloroethene	96	2.851	2.864	-0.013	96	252543	25.0	26.9	
22 Acetone	43	3.065	3.065	0.000	99	354244	50.0	51.2	
25 Carbon disulfide	76	3.100	3.101	-0.001	100	707989	25.0	26.0	
29 Methylene Chloride	84	3.658	3.658	0.000	94	295047	25.0	25.4	
32 trans-1,2-Dichloroethene	96	4.014	4.014	0.000	69	280168	25.0	25.6	
35 1,1-Dichloroethane	63	4.856	4.856	0.000	96	544197	25.0	26.9	
41 cis-1,2-Dichloroethene	96	5.792	5.793	-0.001	81	311392	25.0	26.0	
40 2-Butanone (MEK)	72	5.887	5.887	0.000	100	134287	50.0	51.2	
48 Chloroform	83	6.267	6.267	0.000	93	505938	25.0	25.6	
49 1,1,1-Trichloroethane	97	6.397	6.397	0.000	98	414355	25.0	25.3	
52 Carbon tetrachloride	117	6.551	6.552	-0.001	97	341376	25.0	24.6	
54 Benzene	78	6.871	6.872	-0.001	97	1179574	25.0	26.1	
55 1,2-Dichloroethane	62	7.014	7.014	0.000	97	420542	25.0	26.8	
59 Trichloroethene	130	7.666	7.666	0.000	97	307815	25.0	24.6	
62 1,2-Dichloropropane	63	7.974	7.975	-0.001	94	306343	25.0	26.4	
66 Dichlorobromomethane	83	8.283	8.283	0.000	99	350003	25.0	25.1	
69 cis-1,3-Dichloropropene	75	8.781	8.781	0.000	95	397210	25.0	24.3	
70 4-Methyl-2-pentanone (MIBK)	43	8.947	8.947	0.000	97	948326	50.0	51.1	
71 Toluene	91	9.053	9.054	-0.001	98	1186844	25.0	25.1	
72 trans-1,3-Dichloropropene	75	9.386	9.386	0.000	93	365606	25.0	26.0	
74 1,1,2-Trichloroethane	97	9.552	9.552	0.000	94	273024	25.0	25.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
75 Tetrachloroethene	166	9.575	9.576	-0.001	98	315350	25.0	25.8	
77 2-Hexanone	43	9.777	9.777	0.000	97	727935	50.0	53.2	
79 Chlorodibromomethane	129	9.895	9.884	0.011	90	261548	25.0	25.1	
83 Chlorobenzene	112	10.429	10.417	0.012	95	753673	25.0	25.1	
85 Ethylbenzene	106	10.500	10.500	0.000	98	409329	25.0	25.5	
86 m-Xylene & p-Xylene	106	10.607	10.607	0.000	99	496595	25.0	25.2	
87 o-Xylene	106	10.951	10.951	0.000	99	481534	25.0	25.2	
88 Styrene	104	10.975	10.975	0.000	95	795954	25.0	25.2	
89 Bromoform	173	11.164	11.165	-0.001	97	172584	25.0	23.5	
93 1,1,2,2-Tetrachloroethane	83	11.579	11.580	-0.001	94	429886	25.0	26.5	
S 128 Xylenes, Total	106				0		50.0	50.4	

QC Flag Legend

Processing Flags

Reagents:

VMFASA9W_00427	Amount Added: 20.00	Units: uL	
VM4AcryIFASW_00033	Amount Added: 20.00	Units: uL	
VMFASAW_00486	Amount Added: 20.00	Units: uL	
VMFASPW_00515	Amount Added: 20.00	Units: uL	
VMFASGW_00529	Amount Added: 10.00	Units: uL	
vm25UX18SS_00008	Amount Added: 5.00	Units: uL	Run Reagent
vm40ml_vials_00028	Amount Added: 0.00	Units:	Run Reagent
vmDist_H2o_00243	Amount Added: 0.00	Units:	Run Reagent
vm25UX18IS_00009	Amount Added: 5.00	Units: uL	Run Reagent

Report Date: 22-Oct-2023 15:07:55

Chrom Revision: 2.3 22-Sep-2023 11:33:50

Eurofins Cleveland

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225316.D

Injection Date: 21-Oct-2023 01:07:27

Instrument ID: A3UX22

Operator ID: 002808

Lims ID: 240-193522-I-17 MSD

Worklist Smp#: 30

Client ID: GW-101123-BE-038

Purge Vol: 5.000 mL

Dil. Factor: 1.0000

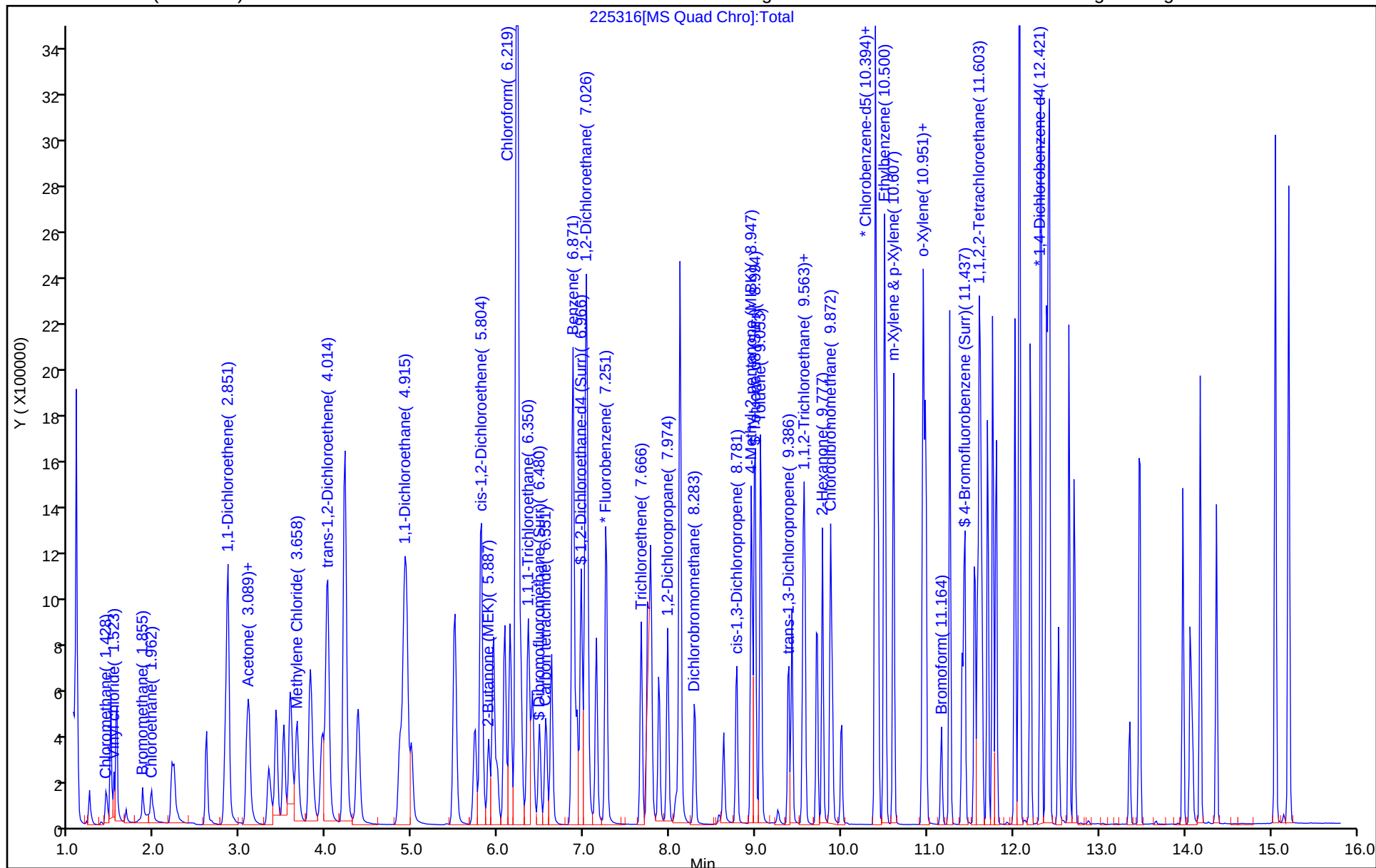
ALS Bottle#: 0

Method: 8260_22

Limit Group: MSV 8260C ICAL

Column: DB-624 (0.18 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Eurofins Cleveland
Recovery Report

Data File: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\225316.D
 Lims ID: 240-193522-I-17 MSD
 Client ID: GW-101123-BE-038
 Sample Type: MSD
 Inject. Date: 21-Oct-2023 01:07:27 ALS Bottle#: 0 Worklist Smp#: 30
 Purge Vol: 5.000 mL Dil. Factor: 1.0000
 Sample Info: 240-0134907-030
 Operator ID: 002808 Instrument ID: A3UX22
 Method: \\chromfs\Canton\ChromData\A3UX22\20231020-134907.b\8260_22.m
 Limit Group: MSV 8260C ICAL
 Last Update: 22-Oct-2023 15:07:24 Calib Date: 11-Sep-2023 18:19:34
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\chromfs\Canton\ChromData\A3UX22\20230911-133314.b\224117.D
 Column 1 : DB-624 (0.18 mm) Det: MS SCAN
 Process Host: CTX1612

First Level Reviewer: PHN3

Date: 22-Oct-2023 13:31:00

Compound	Amount Added	Amount Recovered	% Rec.
\$ 4 Dibromofluoromethane (Surr)	25.0	22.3	89.22
\$ 5 1,2-Dichloroethane-d4 (Surr)	25.0	24.1	96.37
\$ 6 Toluene-d8 (Surr)	25.0	23.2	92.68
\$ 7 4-Bromofluorobenzene (Surr)	25.0	23.0	91.80

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.:

Instrument ID: A3UX15

Start Date: 06/17/2022 14:42

Analysis Batch Number: 531220

End Date: 06/18/2022 00:08

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-531220/1		06/17/2022 14:42	1	BFB1270.D	DB-624 0.18 (mm)
STD8260 240-531220/9 IC		06/17/2022 15:29	1	UXC2434.D	DB-624 0.18 (mm)
STD8260 240-531220/10 IC		06/17/2022 15:53	1	UXC2435.D	DB-624 0.18 (mm)
STD8260 240-531220/11 IC		06/17/2022 16:16	1	UXC2436.D	DB-624 0.18 (mm)
STD8260 240-531220/12 IC		06/17/2022 16:40	1	UXC2437.D	DB-624 0.18 (mm)
ICIS 240-531220/13		06/17/2022 17:03	1	UXC2438.D	DB-624 0.18 (mm)
STD8260 240-531220/14 IC		06/17/2022 17:27	1	UXC2439.D	DB-624 0.18 (mm)
STD8260 240-531220/15 IC		06/17/2022 17:50	1	UXC2440.D	DB-624 0.18 (mm)
STD8260 240-531220/16 IC		06/17/2022 18:14	1	UXC2441.D	DB-624 0.18 (mm)
ICV 240-531220/18		06/17/2022 19:01	1	UXC2443.D	DB-624 0.18 (mm)
ZZZZZ		06/17/2022 19:25	1		DB-624 0.18 (mm)
STDA9 240-531220/21 IC		06/17/2022 20:12	1		DB-624 0.18 (mm)
STDA9 240-531220/22 IC		06/17/2022 20:35	1		DB-624 0.18 (mm)
STDA9 240-531220/23 IC		06/17/2022 20:59	1		DB-624 0.18 (mm)
STDA9 240-531220/24 IC		06/17/2022 21:22	1		DB-624 0.18 (mm)
STDA9 240-531220/25 IC		06/17/2022 21:46	1		DB-624 0.18 (mm)
STDA9 240-531220/26 IC		06/17/2022 22:10	1		DB-624 0.18 (mm)
STDA9 240-531220/27 IC		06/17/2022 22:33	1		DB-624 0.18 (mm)
ICV 240-531220/29		06/17/2022 23:21	1	UXC2454.D	DB-624 0.18 (mm)
ZZZZZ		06/17/2022 23:44	1		DB-624 0.18 (mm)
ZZZZZ		06/18/2022 00:08	1		DB-624 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Instrument ID: A3UX23 Start Date: 08/04/2023 14:56Analysis Batch Number: 582961 End Date: 08/04/2023 21:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-582961/1		08/04/2023 14:56	1	BFB23433.D	DB-624 0.18 (mm)
IC 240-582961/3		08/04/2023 15:49	1	236428.D	DB-624 0.18 (mm)
IC 240-582961/4		08/04/2023 16:14	1	236429.D	DB-624 0.18 (mm)
IC 240-582961/5		08/04/2023 16:39	1	236430.D	DB-624 0.18 (mm)
IC 240-582961/6		08/04/2023 17:04	1	236431.D	DB-624 0.18 (mm)
IC 240-582961/7		08/04/2023 17:29	1	236432.D	DB-624 0.18 (mm)
ICIS 240-582961/8		08/04/2023 17:54	1	236433.D	DB-624 0.18 (mm)
IC 240-582961/9		08/04/2023 18:19	1	236434.D	DB-624 0.18 (mm)
IC 240-582961/10		08/04/2023 18:44	1	236435.D	DB-624 0.18 (mm)
IC 240-582961/11		08/04/2023 19:09	1	236436.D	DB-624 0.18 (mm)
ICV 240-582961/13		08/04/2023 20:00	1	236438.D	DB-624 0.18 (mm)
ZZZZZ		08/04/2023 20:25	1		DB-624 0.18 (mm)
ZZZZZ		08/04/2023 20:50	1		DB-624 0.18 (mm)
ZZZZZ		08/04/2023 21:15	1		DB-624 0.18 (mm)
ZZZZZ		08/04/2023 21:40	1		DB-624 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.:

Instrument ID: A3UX22

Start Date: 09/06/2023 12:24

Analysis Batch Number: 586277

End Date: 09/07/2023 00:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-586277/1		09/06/2023 12:24	1	BFB22641.D	DB-624 0.18 (mm)
IC 240-586277/3		09/06/2023 13:11	1	224014.D	DB-624 0.18 (mm)
IC 240-586277/4		09/06/2023 13:35	1	224015.D	DB-624 0.18 (mm)
IC 240-586277/5		09/06/2023 13:58	1	224016.D	DB-624 0.18 (mm)
IC 240-586277/6		09/06/2023 14:22	1	224017.D	DB-624 0.18 (mm)
IC 240-586277/7		09/06/2023 14:46	1	224018.D	DB-624 0.18 (mm)
ICIS 240-586277/8		09/06/2023 15:10	1	224019.D	DB-624 0.18 (mm)
IC 240-586277/9		09/06/2023 15:34	1	224020.D	DB-624 0.18 (mm)
IC 240-586277/10		09/06/2023 15:58	1	224021.D	DB-624 0.18 (mm)
IC 240-586277/11		09/06/2023 16:22	1	224022.D	DB-624 0.18 (mm)
ICV 240-586277/13		09/06/2023 17:09	1	224024.D	DB-624 0.18 (mm)
ZZZZZ		09/06/2023 17:33	1		DB-624 0.18 (mm)
ZZZZZ		09/06/2023 17:57	1		DB-624 0.18 (mm)
ZZZZZ		09/06/2023 18:22	1		DB-624 0.18 (mm)
ZZZZZ		09/06/2023 18:46	1		DB-624 0.18 (mm)
IC 240-586277/18		09/06/2023 19:09	1		DB-624 0.18 (mm)
IC 240-586277/19		09/06/2023 19:33	1		DB-624 0.18 (mm)
IC 240-586277/20		09/06/2023 19:57	1		DB-624 0.18 (mm)
IC 240-586277/21		09/06/2023 20:21	1		DB-624 0.18 (mm)
IC 240-586277/22		09/06/2023 20:45	1		DB-624 0.18 (mm)
IC 240-586277/23		09/06/2023 21:09	1		DB-624 0.18 (mm)
IC 240-586277/24		09/06/2023 21:32	1		DB-624 0.18 (mm)
IC 240-586277/25		09/06/2023 21:56	1		DB-624 0.18 (mm)
IC 240-586277/26		09/06/2023 22:20	1		DB-624 0.18 (mm)
ICV 240-586277/28		09/06/2023 23:07	1	224039.D	DB-624 0.18 (mm)
ZZZZZ		09/06/2023 23:31	1		DB-624 0.18 (mm)
ZZZZZ		09/06/2023 23:55	1		DB-624 0.18 (mm)
ZZZZZ		09/07/2023 00:19	1		DB-624 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.:

Instrument ID: A3UX22

Start Date: 09/11/2023 12:19

Analysis Batch Number: 586720

End Date: 09/11/2023 23:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-586720/1		09/11/2023 12:19	1		DB-624 0.18 (mm)
CCVIS 240-586720/3		09/11/2023 13:10	1		DB-624 0.18 (mm)
CCV 240-586720/4		09/11/2023 13:34	1		DB-624 0.18 (mm)
ZZZZZ		09/11/2023 13:57	1		DB-624 0.18 (mm)
ZZZZZ		09/11/2023 14:21	1		DB-624 0.18 (mm)
ZZZZZ		09/11/2023 14:45	1		DB-624 0.18 (mm)
IC 240-586720/8		09/11/2023 15:09	1		DB-624 0.18 (mm)
IC 240-586720/9		09/11/2023 15:33	1		DB-624 0.18 (mm)
IC 240-586720/10		09/11/2023 15:57	1		DB-624 0.18 (mm)
IC 240-586720/11		09/11/2023 16:21	1		DB-624 0.18 (mm)
IC 240-586720/12		09/11/2023 16:44	1		DB-624 0.18 (mm)
IC 240-586720/13		09/11/2023 17:08	1		DB-624 0.18 (mm)
IC 240-586720/14		09/11/2023 17:32	1		DB-624 0.18 (mm)
IC 240-586720/15		09/11/2023 17:55	1		DB-624 0.18 (mm)
IC 240-586720/16		09/11/2023 18:19	1		DB-624 0.18 (mm)
ICV 240-586720/18		09/11/2023 19:07	1	224119.D	DB-624 0.18 (mm)
ZZZZZ		09/11/2023 19:30	1		DB-624 0.18 (mm)
ZZZZZ		09/11/2023 19:55	1		DB-624 0.18 (mm)
ZZZZZ		09/11/2023 20:19	1		DB-624 0.18 (mm)
ZZZZZ		09/11/2023 20:42	1		DB-624 0.18 (mm)
ZZZZZ		09/11/2023 21:06	1		DB-624 0.18 (mm)
ZZZZZ		09/11/2023 21:30	2000		DB-624 0.18 (mm)
ZZZZZ		09/11/2023 21:54	100		DB-624 0.18 (mm)
ZZZZZ		09/11/2023 22:17	100		DB-624 0.18 (mm)
ZZZZZ		09/11/2023 22:41	200		DB-624 0.18 (mm)
ZZZZZ		09/11/2023 23:05	250		DB-624 0.18 (mm)
ZZZZZ		09/11/2023 23:28	100		DB-624 0.18 (mm)
ZZZZZ		09/11/2023 23:52	100		DB-624 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.:

Instrument ID: A3UX23

Start Date: 10/19/2023 13:40

Analysis Batch Number: 591496

End Date: 10/20/2023 01:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-591496/1		10/19/2023 13:40	1	BFB23500.D	DB-624 0.18 (mm)
CCVIS 240-591496/4		10/19/2023 14:28	1	237966.D	DB-624 0.18 (mm)
LCS 240-591496/5		10/19/2023 14:53	1	237967.D	DB-624 0.18 (mm)
ZZZZZ		10/19/2023 15:18	1		DB-624 0.18 (mm)
MB 240-591496/8		10/19/2023 16:09	1	237970.D	DB-624 0.18 (mm)
ZZZZZ		10/19/2023 16:34	1		DB-624 0.18 (mm)
ZZZZZ		10/19/2023 16:59	1		DB-624 0.18 (mm)
240-193522-8	TB-100923-BE-002	10/19/2023 17:24	1	237973.D	DB-624 0.18 (mm)
ZZZZZ		10/19/2023 17:49	1		DB-624 0.18 (mm)
ZZZZZ		10/19/2023 18:14	10		DB-624 0.18 (mm)
ZZZZZ		10/19/2023 18:39	1		DB-624 0.18 (mm)
ZZZZZ		10/19/2023 19:05	1		DB-624 0.18 (mm)
ZZZZZ		10/19/2023 19:30	1		DB-624 0.18 (mm)
ZZZZZ		10/19/2023 19:55	1		DB-624 0.18 (mm)
ZZZZZ		10/19/2023 20:20	1		DB-624 0.18 (mm)
ZZZZZ		10/19/2023 20:45	1		DB-624 0.18 (mm)
ZZZZZ		10/19/2023 21:10	1		DB-624 0.18 (mm)
ZZZZZ		10/19/2023 21:35	6.6666 6		DB-624 0.18 (mm)
240-193522-1	GW-100923-BE-024	10/19/2023 22:00	1	237984.D	DB-624 0.18 (mm)
ZZZZZ		10/19/2023 22:25	20		DB-624 0.18 (mm)
ZZZZZ		10/19/2023 22:50	50		DB-624 0.18 (mm)
240-193522-4	GW-100923-BE-027	10/19/2023 23:16	1	237987.D	DB-624 0.18 (mm)
ZZZZZ		10/19/2023 23:41	50		DB-624 0.18 (mm)
240-193522-6	EB-100923-BE-003	10/20/2023 00:06	1	237989.D	DB-624 0.18 (mm)
ZZZZZ		10/20/2023 00:31	50		DB-624 0.18 (mm)
ZZZZZ		10/20/2023 00:56	50		DB-624 0.18 (mm)
ZZZZZ		10/20/2023 01:21	50		DB-624 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.:

Instrument ID: A3UX23

Start Date: 10/20/2023 13:20

Analysis Batch Number: 591677

End Date: 10/21/2023 00:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-591677/1		10/20/2023 13:20	1	BFB23501.D	DB-624 0.18 (mm)
CCVIS 240-591677/4		10/20/2023 14:20	1	237994.D	DB-624 0.18 (mm)
LCS 240-591677/5		10/20/2023 14:45	1	237995.D	DB-624 0.18 (mm)
ZZZZZ		10/20/2023 15:10	1		DB-624 0.18 (mm)
MB 240-591677/8		10/20/2023 16:00	1	237998.D	DB-624 0.18 (mm)
ZZZZZ		10/20/2023 16:25	1		DB-624 0.18 (mm)
ZZZZZ		10/20/2023 16:50	5		DB-624 0.18 (mm)
ZZZZZ		10/20/2023 17:15	1		DB-624 0.18 (mm)
240-193522-2	GW-100923-BE-025	10/20/2023 17:41	1	238002.D	DB-624 0.18 (mm)
240-193522-3	GW-100923-BE-026	10/20/2023 18:06	1	238003.D	DB-624 0.18 (mm)
240-193522-4	GW-100923-BE-027	10/20/2023 18:31	10	238004.D	DB-624 0.18 (mm)
240-193522-5	GW-100923-BE-028	10/20/2023 18:56	1	238005.D	DB-624 0.18 (mm)
240-193522-7	GW-100923-BE-029	10/20/2023 19:21	1	238006.D	DB-624 0.18 (mm)
ZZZZZ		10/20/2023 19:46	2		DB-624 0.18 (mm)
ZZZZZ		10/20/2023 20:11	50		DB-624 0.18 (mm)
240-193522-9	GW-101023-BE-030	10/20/2023 20:36	1	238009.D	DB-624 0.18 (mm)
240-193522-10	GW-101023-BE-031	10/20/2023 21:01	1	238010.D	DB-624 0.18 (mm)
240-193522-11	GW-101023-BE-032	10/20/2023 21:26	1	238011.D	DB-624 0.18 (mm)
ZZZZZ		10/20/2023 21:52	50		DB-624 0.18 (mm)
ZZZZZ		10/20/2023 22:17	1		DB-624 0.18 (mm)
ZZZZZ		10/20/2023 22:42	1		DB-624 0.18 (mm)
ZZZZZ		10/20/2023 23:07	10		DB-624 0.18 (mm)
ZZZZZ		10/20/2023 23:32	100		DB-624 0.18 (mm)
ZZZZZ		10/20/2023 23:57	13.333 33		DB-624 0.18 (mm)
ZZZZZ		10/21/2023 00:22	50		DB-624 0.18 (mm)
ZZZZZ		10/21/2023 00:47	50		DB-624 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.:

Instrument ID: A3UX22

Start Date: 10/20/2023 13:34

Analysis Batch Number: 591678

End Date: 10/21/2023 01:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-591678/1		10/20/2023 13:34	1	BFB22677.D	DB-624 0.18 (mm)
CCVIS 240-591678/3		10/20/2023 14:21	1	225289.D	DB-624 0.18 (mm)
CCV 240-591678/4		10/20/2023 14:45	1	225290.D	DB-624 0.18 (mm)
LCS 240-591678/5		10/20/2023 15:09	1	225291.D	DB-624 0.18 (mm)
ZZZZZ		10/20/2023 15:32	1		DB-624 0.18 (mm)
ZZZZZ		10/20/2023 15:57	1		DB-624 0.18 (mm)
MB 240-591678/8		10/20/2023 16:20	1	225294.D	DB-624 0.18 (mm)
ZZZZZ		10/20/2023 16:44	1		DB-624 0.18 (mm)
ZZZZZ		10/20/2023 17:09	20		DB-624 0.18 (mm)
240-193522-16	GW-101023-BE-037	10/20/2023 17:33	1	225297.D	DB-624 0.18 (mm)
240-193522-17	GW-101123-BE-038	10/20/2023 17:56	1	225298.D	DB-624 0.18 (mm)
240-193522-18	GW-101123-BE-039	10/20/2023 18:21	50	225299.D	DB-624 0.18 (mm)
240-193522-19	SW-101123-BE-001	10/20/2023 18:45	5	225300.D	DB-624 0.18 (mm)
240-193522-20	SW-101123-BE-002	10/20/2023 19:09	5	225301.D	DB-624 0.18 (mm)
240-193522-21	SW-101123-BE-003	10/20/2023 19:32	3.3333 3	225302.D	DB-624 0.18 (mm)
240-193522-22	GW-101123-BE-040	10/20/2023 19:57	10	225303.D	DB-624 0.18 (mm)
240-193522-23	EB-101123-BE-004	10/20/2023 20:20	1	225304.D	DB-624 0.18 (mm)
ZZZZZ		10/20/2023 20:44	50		DB-624 0.18 (mm)
ZZZZZ		10/20/2023 21:09	50		DB-624 0.18 (mm)
ZZZZZ		10/20/2023 21:33	50		DB-624 0.18 (mm)
ZZZZZ		10/20/2023 21:57	50		DB-624 0.18 (mm)
ZZZZZ		10/20/2023 22:21	200		DB-624 0.18 (mm)
ZZZZZ		10/20/2023 22:45	2		DB-624 0.18 (mm)
ZZZZZ		10/20/2023 23:08	200		DB-624 0.18 (mm)
ZZZZZ		10/20/2023 23:32	1		DB-624 0.18 (mm)
ZZZZZ		10/20/2023 23:56	20		DB-624 0.18 (mm)
ZZZZZ		10/21/2023 00:19	20		DB-624 0.18 (mm)
240-193522-17 MS	GW-101123-BE-038 MS	10/21/2023 00:43	1	225315.D	DB-624 0.18 (mm)
240-193522-17 MSD	GW-101123-BE-038 MSD	10/21/2023 01:07	1	225316.D	DB-624 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins ClevelandJob No.: 240-193522-1

SDG No.: _____

Instrument ID: A3UX15Start Date: 10/21/2023 09:31Analysis Batch Number: 591728End Date: 10/21/2023 19:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-591728/1		10/21/2023 09:31	1	BFB343.D	DB-624 0.18 (mm)
CCV 240-591728/3		10/21/2023 09:56	1		DB-624 0.18 (mm)
CCVIS 240-591728/4		10/21/2023 10:19	1	UXC3426.D	DB-624 0.18 (mm)
LCS 240-591728/5		10/21/2023 10:42	1	UXC3427.D	DB-624 0.18 (mm)
ZZZZZ		10/21/2023 11:06	1		DB-624 0.18 (mm)
ZZZZZ		10/21/2023 11:29	1		DB-624 0.18 (mm)
ZZZZZ		10/21/2023 11:52	1		DB-624 0.18 (mm)
MB 240-591728/9		10/21/2023 12:16	1	UXC3431.D	DB-624 0.18 (mm)
ZZZZZ		10/21/2023 12:39	1		DB-624 0.18 (mm)
ZZZZZ		10/21/2023 13:02	1		DB-624 0.18 (mm)
ZZZZZ		10/21/2023 13:26	50		DB-624 0.18 (mm)
ZZZZZ		10/21/2023 13:49	100		DB-624 0.18 (mm)
240-193522-27	GW-101223-BE-044	10/21/2023 14:12	1	UXC3436.D	DB-624 0.18 (mm)
240-193522-28	GW-101223-BE-045	10/21/2023 14:35	1	UXC3437.D	DB-624 0.18 (mm)
ZZZZZ		10/21/2023 14:59	1		DB-624 0.18 (mm)
ZZZZZ		10/21/2023 15:22	1		DB-624 0.18 (mm)
ZZZZZ		10/21/2023 15:45	1		DB-624 0.18 (mm)
ZZZZZ		10/21/2023 16:09	1		DB-624 0.18 (mm)
ZZZZZ		10/21/2023 16:32	1		DB-624 0.18 (mm)
ZZZZZ		10/21/2023 16:55	1		DB-624 0.18 (mm)
ZZZZZ		10/21/2023 17:19	1		DB-624 0.18 (mm)
ZZZZZ		10/21/2023 17:42	1		DB-624 0.18 (mm)
ZZZZZ		10/21/2023 18:05	1		DB-624 0.18 (mm)
ZZZZZ		10/21/2023 18:29	1		DB-624 0.18 (mm)
ZZZZZ		10/21/2023 18:52	1		DB-624 0.18 (mm)
ZZZZZ		10/21/2023 19:15	1		DB-624 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.:

Instrument ID: A3UX22

Start Date: 10/22/2023 14:42

Analysis Batch Number: 591760

End Date: 10/23/2023 01:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-591760/1		10/22/2023 14:42	1	BFB22678.D	DB-624 0.18 (mm)
CCVIS 240-591760/3		10/22/2023 15:30	1	225319.D	DB-624 0.18 (mm)
CCV 240-591760/4		10/22/2023 15:54	1	225320.D	DB-624 0.18 (mm)
LCS 240-591760/5		10/22/2023 16:18	1	225321.D	DB-624 0.18 (mm)
ZZZZZ		10/22/2023 16:41	1		DB-624 0.18 (mm)
ZZZZZ		10/22/2023 17:06	1		DB-624 0.18 (mm)
MB 240-591760/8		10/22/2023 17:29	1	225324.D	DB-624 0.18 (mm)
ZZZZZ		10/22/2023 17:53	1		DB-624 0.18 (mm)
ZZZZZ		10/22/2023 18:17	1		DB-624 0.18 (mm)
ZZZZZ		10/22/2023 18:41	1		DB-624 0.18 (mm)
ZZZZZ		10/22/2023 19:04	1		DB-624 0.18 (mm)
ZZZZZ		10/22/2023 19:28	1		DB-624 0.18 (mm)
ZZZZZ		10/22/2023 19:52	1		DB-624 0.18 (mm)
ZZZZZ		10/22/2023 20:15	1		DB-624 0.18 (mm)
ZZZZZ		10/22/2023 20:39	1		DB-624 0.18 (mm)
ZZZZZ		10/22/2023 21:02	1		DB-624 0.18 (mm)
ZZZZZ		10/22/2023 21:26	1		DB-624 0.18 (mm)
ZZZZZ		10/22/2023 21:50	1		DB-624 0.18 (mm)
ZZZZZ		10/22/2023 22:14	1		DB-624 0.18 (mm)
ZZZZZ		10/22/2023 22:37	1		DB-624 0.18 (mm)
240-193522-15	GW-101023-BE-036	10/22/2023 23:01	100	225338.D	DB-624 0.18 (mm)
240-193522-18	GW-101123-BE-039	10/22/2023 23:25	200	225339.D	DB-624 0.18 (mm)
240-193522-22	GW-101123-BE-040	10/22/2023 23:49	50	225340.D	DB-624 0.18 (mm)
240-193522-24	GW-101123-BE-041	10/23/2023 00:13	20	225341.D	DB-624 0.18 (mm)
240-193522-25	GW-101223-BE-042	10/23/2023 00:37	1	225342.D	DB-624 0.18 (mm)
240-193522-26	GW-101223-BE-043	10/23/2023 01:01	1	225343.D	DB-624 0.18 (mm)
ZZZZZ		10/23/2023 01:24	1		DB-624 0.18 (mm)
ZZZZZ		10/23/2023 01:48	1		DB-624 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.:

Instrument ID: A3UX23

Start Date: 10/22/2023 14:53

Analysis Batch Number: 591763

End Date: 10/23/2023 01:19

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-591763/1		10/22/2023 14:53	1	BFB23502.D	DB-624 0.18 (mm)
CCVIS 240-591763/4		10/22/2023 15:41	1	238022.D	DB-624 0.18 (mm)
LCS 240-591763/5		10/22/2023 16:06	1	238023.D	DB-624 0.18 (mm)
ZZZZZ		10/22/2023 16:31	1		DB-624 0.18 (mm)
MB 240-591763/8		10/22/2023 17:22	1	238026.D	DB-624 0.18 (mm)
ZZZZZ		10/22/2023 17:47	1		DB-624 0.18 (mm)
ZZZZZ		10/22/2023 18:12	1		DB-624 0.18 (mm)
ZZZZZ		10/22/2023 18:37	1		DB-624 0.18 (mm)
ZZZZZ		10/22/2023 19:02	1		DB-624 0.18 (mm)
ZZZZZ		10/22/2023 19:27	1		DB-624 0.18 (mm)
ZZZZZ		10/22/2023 19:53	1		DB-624 0.18 (mm)
ZZZZZ		10/22/2023 20:18	1		DB-624 0.18 (mm)
ZZZZZ		10/22/2023 20:43	1		DB-624 0.18 (mm)
ZZZZZ		10/22/2023 21:08	1		DB-624 0.18 (mm)
ZZZZZ		10/22/2023 21:33	1		DB-624 0.18 (mm)
240-193522-5	GW-100923-BE-028	10/22/2023 21:58	2	238037.D	DB-624 0.18 (mm)
240-193522-12	GW-101023-BE-033	10/22/2023 22:23	1	238038.D	DB-624 0.18 (mm)
240-193522-13	GW-101023-BE-034	10/22/2023 22:48	100	238039.D	DB-624 0.18 (mm)
ZZZZZ		10/22/2023 23:13	100		DB-624 0.18 (mm)
ZZZZZ		10/22/2023 23:38	10		DB-624 0.18 (mm)
ZZZZZ		10/23/2023 00:04	100		DB-624 0.18 (mm)
ZZZZZ		10/23/2023 00:29	50		DB-624 0.18 (mm)
ZZZZZ		10/23/2023 00:54	1		DB-624 0.18 (mm)
ZZZZZ		10/23/2023 01:19	1		DB-624 0.18 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Cleveland

Job No.: 240-193522-1

SDG No.:

Instrument ID: A3UX22

Start Date: 10/24/2023 01:59

Analysis Batch Number: 591927

End Date: 10/24/2023 12:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 240-591927/2		10/24/2023 01:59	1	225379.D	DB-624 0.18 (mm)
CCVIS 240-591927/3		10/24/2023 02:23	1	225380.D	DB-624 0.18 (mm)
CCV 240-591927/4		10/24/2023 02:47	1	225381.D	DB-624 0.18 (mm)
LCS 240-591927/5		10/24/2023 03:10	1	225382.D	DB-624 0.18 (mm)
ZZZZZ		10/24/2023 03:34	1		DB-624 0.18 (mm)
ZZZZZ		10/24/2023 03:58	1		DB-624 0.18 (mm)
MB 240-591927/8		10/24/2023 04:22	1	225385.D	DB-624 0.18 (mm)
ZZZZZ		10/24/2023 04:46	1		DB-624 0.18 (mm)
ZZZZZ		10/24/2023 05:09	1		DB-624 0.18 (mm)
ZZZZZ		10/24/2023 05:33	10		DB-624 0.18 (mm)
ZZZZZ		10/24/2023 05:57	200		DB-624 0.18 (mm)
ZZZZZ		10/24/2023 06:20	50		DB-624 0.18 (mm)
240-193522-14	GW-101023-BE-035	10/24/2023 06:44	100	225391.D	DB-624 0.18 (mm)
ZZZZZ		10/24/2023 07:08	1		DB-624 0.18 (mm)
ZZZZZ		10/24/2023 07:31	1		DB-624 0.18 (mm)
ZZZZZ		10/24/2023 07:55	1		DB-624 0.18 (mm)
ZZZZZ		10/24/2023 08:19	1		DB-624 0.18 (mm)
ZZZZZ		10/24/2023 08:43	1		DB-624 0.18 (mm)
ZZZZZ		10/24/2023 09:06	1		DB-624 0.18 (mm)
ZZZZZ		10/24/2023 09:30	10		DB-624 0.18 (mm)
ZZZZZ		10/24/2023 09:54	10		DB-624 0.18 (mm)
ZZZZZ		10/24/2023 10:17	100		DB-624 0.18 (mm)
ZZZZZ		10/24/2023 10:41	200		DB-624 0.18 (mm)
ZZZZZ		10/24/2023 11:05	1		DB-624 0.18 (mm)
ZZZZZ		10/24/2023 11:29	1		DB-624 0.18 (mm)
ZZZZZ		10/24/2023 11:52	1		DB-624 0.18 (mm)
ZZZZZ		10/24/2023 12:16	10		DB-624 0.18 (mm)
ZZZZZ		10/24/2023 12:40	10		DB-624 0.18 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Batch Number: 531220 Batch Start Date: 06/17/22 14:42 Batch Analyst: Lavey, TimBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	vm50is_stk_A 00011	vm50ss_stk 00091	vmarolistdw 00442	vmbfb 00030
BFB 240-531220/1		8260D		5 mL	5 mL				1 uL
STD8260 240-531220/9 IC		8260D		5 mL	5 mL	2 uL	0.4 uL	0.4 uL	
STD8260 240-531220/10 IC		8260D		5 mL	5 mL	2 uL	0.8 uL	0.8 uL	
STD8260 240-531220/11 IC		8260D		5 mL	5 mL	2 uL	1.6 uL	1.6 uL	
STD8260 240-531220/12 IC		8260D		5 mL	5 mL	2 uL	8 uL	8 uL	
ICIS 240-531220/13		8260D		5 mL	5 mL	2 uL	16 uL	16 uL	
STD8260 240-531220/14 IC		8260D		5 mL	5 mL	2 uL	32 uL	32 uL	
STD8260 240-531220/15 IC		8260D		5 mL	5 mL	2 uL	48 uL	48 uL	
STD8260 240-531220/16 IC		8260D		5 mL	5 mL	2 uL	64 uL	64 uL	
ICV 240-531220/18		8260D		5 mL	5 mL	2 uL	2 uL		
ICV 240-531220/29		8260D		5 mL	5 mL	2 uL	2 uL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	VMFASA9W 00362	vmfasaw 00422	vmfasgw 00458	vmfaspw 00448	vmrgas 00430	vmrprimw 00486
BFB 240-531220/1		8260D							
STD8260 240-531220/9 IC		8260D						0.4 uL	0.4 uL
STD8260 240-531220/10 IC		8260D						0.8 uL	0.8 uL
STD8260 240-531220/11 IC		8260D						1.6 uL	1.6 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 Cleveland Job No.: 240-193522-1

SDG No.: _____

Batch Number: 531220 Batch Start Date: 06/17/22 14:42 Batch Analyst: Lavey, TimBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	VMFASA9W 00362	vmfasaw 00422	vmfasgw 00458	vmfaspw 00448	vmrgas 00430	vmrprimw 00486
STD8260 240-531220/12 IC		8260D						8 uL	8 uL
ICIS 240-531220/13		8260D						16 uL	16 uL
STD8260 240-531220/14 IC		8260D						32 uL	32 uL
STD8260 240-531220/15 IC		8260D						48 uL	48 uL
STD8260 240-531220/16 IC		8260D						64 uL	64 uL
ICV 240-531220/18		8260D			16 uL	16 uL	16 uL		
ICV 240-531220/29		8260D		16 uL					

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Batch Number: 582961 Batch Start Date: 08/04/23 14:56 Batch Analyst: Macenczak, StevenBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	vm125UX21_IS 00050	vm125UX21_SS 00007	VMAROLISTDW 00495	vmbfb 00032
BFB 240-582961/1		8260D		5 mL	5 mL				1 uL
IC 240-582961/3		8260D		5 mL	5 mL	1 uL	1 uL	0.4 uL	
IC 240-582961/4		8260D		5 mL	5 mL	1 uL	1 uL	0.8 uL	
IC 240-582961/5		8260D		5 mL	5 mL	1 uL	1 uL	2 uL	
IC 240-582961/6		8260D		5 mL	5 mL	1 uL	1 uL	5 uL	
IC 240-582961/7		8260D		5 mL	5 mL	1 uL	1 uL	10 uL	
ICIS 240-582961/8		8260D		5 mL	5 mL	1 uL	1 uL	20 uL	
IC 240-582961/9		8260D		5 mL	5 mL	1 uL	1 uL	30 uL	
IC 240-582961/10		8260D		5 mL	5 mL	1 uL	1 uL	40 uL	
IC 240-582961/11		8260D		5 mL	5 mL	1 uL	1 uL	50 uL	
ICV 240-582961/13		8260D		5 mL	5 mL	1 uL	1 uL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	VMFASAW 00474	VMFASGW 00520	VMFASPW 00503	VMRGAS 00487	VMRPRIMW 00542	
BFB 240-582961/1		8260D							
IC 240-582961/3		8260D					0.4 uL	0.4 uL	
IC 240-582961/4		8260D					0.8 uL	0.8 uL	
IC 240-582961/5		8260D					2 uL	2 uL	
IC 240-582961/6		8260D					5 uL	5 uL	
IC 240-582961/7		8260D					10 uL	10 uL	
ICIS 240-582961/8		8260D					20 uL	20 uL	
IC 240-582961/9		8260D					30 uL	30 uL	
IC 240-582961/10		8260D					40 uL	40 uL	
IC 240-582961/11		8260D					50 uL	50 uL	
ICV 240-582961/13		8260D		20 uL	10 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.

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Batch Number: 582961 Batch Start Date: 08/04/23 14:56 Batch Analyst: Macenczak, StevenBatch Method: 8260D 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.

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Batch Number: 586277 Batch Start Date: 09/06/23 12:24 Batch Analyst: Garrett, Christopher DBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	vm25UX18IS 00007	vm25UX18SS 00008	VMAROLISTDW 00500	vmbfb 00032
BFB 240-586277/1		8260D		5 mL	5 mL				1 uL
IC 240-586277/3		8260D		5 mL	5 mL	5 uL	5 uL	0.4 uL	
IC 240-586277/4		8260D		5 mL	5 mL	5 uL	5 uL	0.8 uL	
IC 240-586277/5		8260D		5 mL	5 mL	5 uL	5 uL	2 uL	
IC 240-586277/6		8260D		5 mL	5 mL	5 uL	5 uL	5 uL	
IC 240-586277/7		8260D		5 mL	5 mL	5 uL	5 uL	10 uL	
ICIS 240-586277/8		8260D		5 mL	5 mL	5 uL	5 uL	20 uL	
IC 240-586277/9		8260D		5 mL	5 mL	5 uL	5 uL	30 uL	
IC 240-586277/10		8260D		5 mL	5 mL	5 uL	5 uL	40 uL	
IC 240-586277/11		8260D		5 mL	5 mL	5 uL	5 uL	50 uL	
ICV 240-586277/13		8260D		5 mL	5 mL	5 uL	5 uL		
ICV 240-586277/28		8260D		5 mL	5 mL	5 uL	5 uL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	VMFASA9W 00421	VMFASAW 00480	VMFASGW 00524	VMFASPW 00507	VMRGAS 00492	VMRPRIMW 00546
BFB 240-586277/1		8260D							
IC 240-586277/3		8260D						0.4 uL	0.4 uL
IC 240-586277/4		8260D						0.8 uL	0.8 uL
IC 240-586277/5		8260D						2 uL	2 uL
IC 240-586277/6		8260D						5 uL	5 uL
IC 240-586277/7		8260D						10 uL	10 uL
ICIS 240-586277/8		8260D						20 uL	20 uL
IC 240-586277/9		8260D						30 uL	30 uL
IC 240-586277/10		8260D						40 uL	40 uL
IC 240-586277/11		8260D						50 uL	50 uL
ICV 240-586277/13		8260D			20 uL	10 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.

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Batch Number: 586277 Batch Start Date: 09/06/23 12:24 Batch Analyst: Garrett, Christopher DBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	VMFASA9W 00421	VMFASAW 00480	VMFASGW 00524	VMFASPW 00507	VMRGAS 00492	VMRPRIMW 00546
ICV 240-586277/28		8260D		20 uL					

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Batch Number: 586720 Batch Start Date: 09/11/23 12:19 Batch Analyst: Garrett, Christopher DBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	vm25UX18IS 00007	vm25UX18SS 00008	VM4AcrylFASW 00028	
ICV 240-586720/18		8260D		5 mL	5 mL	5 uL	5 uL	20 uL	

Batch Notes	
pH Indicator ID	HC312502

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 Cleveland Job No.: 240-193522-1

SDG No.: _____

Batch Number: 591496 Batch Start Date: 10/19/23 13:40 Batch Analyst: Garrett, Christopher DBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	vm125UX21_IS 00057	vm125UX21_SS 00009	VMAROLISTDW 00506
BFB 240-591496/1		8260D		5 mL	5 mL				
CCVIS 240-591496/4		8260D		5 mL	5 mL		1 uL	1 uL	20 uL
LCS 240-591496/5		8260D		5 mL	5 mL		1 uL	1 uL	
MB 240-591496/8		8260D		5 mL	5 mL		1 uL	1 uL	
240-193522-C-8	TB-100923-BE-002	8260D	T	5 mL	5 mL	<2 SU	1 uL	1 uL	
240-193522-B-1	GW-100923-BE-024	8260D	T	5 mL	5 mL	<2 SU	1 uL	1 uL	
240-193522-C-4	GW-100923-BE-027	8260D	T	5 mL	5 mL	<2 SU	1 uL	1 uL	
240-193522-C-6	EB-100923-BE-003	8260D	T	5 mL	5 mL	<2 SU	1 uL	1 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00032	VMFASAW 00486	VMFASGW 00529	VMFASPW 00515	VMRGAS 00498	VMRPRIMW 00554
BFB 240-591496/1		8260D		1 uL					
CCVIS 240-591496/4		8260D						10 uL	20 uL
LCS 240-591496/5		8260D			20 uL	10 uL	20 uL		
MB 240-591496/8		8260D							
240-193522-C-8	TB-100923-BE-002	8260D	T						
240-193522-B-1	GW-100923-BE-024	8260D	T						
240-193522-C-4	GW-100923-BE-027	8260D	T						
240-193522-C-6	EB-100923-BE-003	8260D	T						

Batch Notes	
pH Indicator ID	HC312502

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.

8260D

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Batch Number: 591677 Batch Start Date: 10/20/23 13:20 Batch Analyst: Garrett, Christopher DBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	vm125UX21_IS 00057	vm125UX21_SS 00009	VMAROLISTDW 00506
BFB 240-591677/1		8260D		5 mL	5 mL				
CCVIS 240-591677/4		8260D		5 mL	5 mL		1 uL	1 uL	20 uL
LCS 240-591677/5		8260D		5 mL	5 mL		1 uL	1 uL	
MB 240-591677/8		8260D		5 mL	5 mL		1 uL	1 uL	
240-193522-B-2	GW-100923-BE-025	8260D	T	5 mL	5 mL	<2 SU	1 uL	1 uL	
240-193522-B-3	GW-100923-BE-026	8260D	T	5 mL	5 mL	<2 SU	1 uL	1 uL	
240-193522-B-4	GW-100923-BE-027	8260D	T	5 mL	5 mL	<2 SU	1 uL	1 uL	
240-193522-B-5	GW-100923-BE-028	8260D	T	5 mL	5 mL	<2 SU	1 uL	1 uL	
240-193522-B-7	GW-100923-BE-029	8260D	T	5 mL	5 mL	<2 SU	1 uL	1 uL	
240-193522-C-9	GW-101023-BE-030	8260D	T	5 mL	5 mL	<2 SU	1 uL	1 uL	
240-193522-C-10	GW-101023-BE-031	8260D	T	5 mL	5 mL	<2 SU	1 uL	1 uL	
240-193522-C-11	GW-101023-BE-032	8260D	T	5 mL	5 mL	<2 SU	1 uL	1 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00032	VMFASAW 00486	VMFASGW 00529	VMFASPW 00515	VMRGAS 00498	VMRPRIMW 00554
BFB 240-591677/1		8260D		1 uL					
CCVIS 240-591677/4		8260D						10 uL	20 uL
LCS 240-591677/5		8260D			20 uL	10 uL	20 uL		
MB 240-591677/8		8260D							
240-193522-B-2	GW-100923-BE-025	8260D	T						
240-193522-B-3	GW-100923-BE-026	8260D	T						
240-193522-B-4	GW-100923-BE-027	8260D	T						
240-193522-B-5	GW-100923-BE-028	8260D	T						
240-193522-B-7	GW-100923-BE-029	8260D	T						
240-193522-C-9	GW-101023-BE-030	8260D	T						
240-193522-C-10	GW-101023-BE-031	8260D	T						
240-193522-C-11	GW-101023-BE-032	8260D	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.

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Batch Number: 591677 Batch Start Date: 10/20/23 13:20 Batch Analyst: Garrett, Christopher DBatch Method: 8260D Batch End Date: _____

Batch Notes	
pH Indicator ID	HC312502

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.

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Batch Number: 591678 Batch Start Date: 10/20/23 13:34 Batch Analyst: Garrett, Christopher DBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	vm25UX18IS 00007	vm25UX18IS 00009	vm25UX18SS 00008
BFB 240-591678/1		8260D		5 mL	5 mL				
CCVIS 240-591678/3		8260D		5 mL	5 mL			5 uL	5 uL
CCV 240-591678/4		8260D		5 mL	5 mL		5 uL		
LCS 240-591678/5		8260D		5 mL	5 mL			5 uL	5 uL
MB 240-591678/8		8260D		5 mL	5 mL			5 uL	5 uL
240-193522-B-16	GW-101023-BE-037	8260D	T	5 mL	5 mL	<2 SU		5 uL	5 uL
240-193522-C-17	GW-101123-BE-038	8260D	T	5 mL	5 mL	<2 SU		5 uL	5 uL
240-193522-C-18	GW-101123-BE-039	8260D	T	5 mL	5 mL	<2 SU		5 uL	5 uL
240-193522-C-19	SW-101123-BE-001	8260D	T	5 mL	5 mL	<2 SU		5 uL	5 uL
240-193522-C-20	SW-101123-BE-002	8260D	T	5 mL	5 mL	<2 SU		5 uL	5 uL
240-193522-C-21	SW-101123-BE-003	8260D	T	5 mL	5 mL	<2 SU		5 uL	5 uL
240-193522-C-22	GW-101123-BE-040	8260D	T	5 mL	5 mL	<2 SU		5 uL	5 uL
240-193522-C-23	EB-101123-BE-004	8260D	T	5 mL	5 mL	<2 SU		5 uL	5 uL
240-193522-F-17 MS	GW-101123-BE-038	8260D	T	5 mL	5 mL	<2 SU		5 uL	5 uL
240-193522-I-17 MSD	GW-101123-BE-038	8260D	T	5 mL	5 mL	<2 SU		5 uL	5 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	VM4AcrylFASW 00033	VM5AcrylateW 00017	VMAROLISTDW 00506	vmbfb 00032	VMFASA9W 00427	VMFASAW 00486
BFB 240-591678/1		8260D					1 uL		
CCVIS 240-591678/3		8260D				20 uL			
CCV 240-591678/4		8260D			20 uL				
LCS 240-591678/5		8260D							20 uL
MB 240-591678/8		8260D							
240-193522-B-16	GW-101023-BE-037	8260D	T						
240-193522-C-17	GW-101123-BE-038	8260D	T						
240-193522-C-18	GW-101123-BE-039	8260D	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.

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Batch Number: 591678 Batch Start Date: 10/20/23 13:34 Batch Analyst: Garrett, Christopher DBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	VM4AcrylFASW 00033	VM5AcrylateW 00017	VMAROLISTDW 00506	vmbfb 00032	VMFASA9W 00427	VMFASAW 00486
240-193522-C-19	SW-101123-BE-001	8260D	T						
240-193522-C-20	SW-101123-BE-002	8260D	T						
240-193522-C-21	SW-101123-BE-003	8260D	T						
240-193522-C-22	GW-101123-BE-040	8260D	T						
240-193522-C-23	EB-101123-BE-004	8260D	T						
240-193522-F-17 MS	GW-101123-BE-038	8260D	T	20 uL				20 uL	20 uL
240-193522-I-17 MSD	GW-101123-BE-038	8260D	T	20 uL				20 uL	20 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	VMFASGW 00529	VMFASPW 00515	VMRA9W 00501	VMRGAS 00498	VMRPRIMW 00554	
BFB 240-591678/1		8260D							
CCVIS 240-591678/3		8260D					10 uL	20 uL	
CCV 240-591678/4		8260D				20 uL			
LCS 240-591678/5		8260D		10 uL	20 uL				
MB 240-591678/8		8260D							
240-193522-B-16	GW-101023-BE-037	8260D	T						
240-193522-C-17	GW-101123-BE-038	8260D	T						
240-193522-C-18	GW-101123-BE-039	8260D	T						
240-193522-C-19	SW-101123-BE-001	8260D	T						
240-193522-C-20	SW-101123-BE-002	8260D	T						
240-193522-C-21	SW-101123-BE-003	8260D	T						
240-193522-C-22	GW-101123-BE-040	8260D	T						
240-193522-C-23	EB-101123-BE-004	8260D	T						
240-193522-F-17 MS	GW-101123-BE-038	8260D	T	10 uL	20 uL				
240-193522-I-17 MSD	GW-101123-BE-038	8260D	T	10 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 Cleveland Job No.: 240-193522-1

SDG No.: _____

Batch Number: 591678 Batch Start Date: 10/20/23 13:34 Batch Analyst: Garrett, Christopher DBatch Method: 8260D Batch End Date: _____

Batch Notes	
pH Indicator ID	HC312502

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.

8260D

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Batch Number: 591728 Batch Start Date: 10/21/23 09:31 Batch Analyst: Siegfried, Angel JBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	vm50is_stk_A 00021	vm50ss_stk 00094	VMAROLISTDW 00506
BFB 240-591728/1		8260D		5 mL	5 mL				
CCVIS 240-591728/4		8260D		5 mL	5 mL		2 uL	2 uL	16 uL
LCS 240-591728/5		8260D		5 mL	5 mL		2 uL	2 uL	
MB 240-591728/9		8260D		5 mL	5 mL		2 uL	2 uL	
240-193522-C-27	GW-101223-BE-044	8260D	T	5 mL	5 mL	<2 SU	2 uL	2 uL	
240-193522-C-28	GW-101223-BE-045	8260D	T	5 mL	5 mL	<2 SU	2 uL	2 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00032	vmfasaw 00486	VMFASGW 00529	vmfaspw 00515	vmrgas 00498	VMRPRIMW 00553
BFB 240-591728/1		8260D		1 uL					
CCVIS 240-591728/4		8260D						16 uL	16 uL
LCS 240-591728/5		8260D			16 uL	16 uL	16 uL		
MB 240-591728/9		8260D							
240-193522-C-27	GW-101223-BE-044	8260D	T						
240-193522-C-28	GW-101223-BE-045	8260D	T						

Batch Notes	
pH Indicator ID	HC312502

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 Cleveland Job No.: 240-193522-1

SDG No.: _____

Batch Number: 591760 Batch Start Date: 10/22/23 14:42 Batch Analyst: Garrett, Christopher DBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	vm25UX18IS 00007	vm25UX18IS 00009	vm25UX18SS 00008
BFB 240-591760/1		8260D		5 mL	5 mL				
CCVIS 240-591760/3		8260D		5 mL	5 mL			5 uL	5 uL
CCV 240-591760/4		8260D		5 mL	5 mL		5 uL		
LCS 240-591760/5		8260D		5 mL	5 mL			5 uL	5 uL
MB 240-591760/8		8260D		5 mL	5 mL			5 uL	5 uL
240-193522-B-15	GW-101023-BE-036	8260D	T	5 mL	5 mL	<2 SU		5 uL	5 uL
240-193522-B-18	GW-101123-BE-039	8260D	T	5 mL	5 mL	<2 SU		5 uL	5 uL
240-193522-B-22	GW-101123-BE-040	8260D	T	5 mL	5 mL	<2 SU		5 uL	5 uL
240-193522-B-24	GW-101123-BE-041	8260D	T	5 mL	5 mL	<2 SU		5 uL	5 uL
240-193522-B-25	GW-101223-BE-042	8260D	T	5 mL	5 mL	<2 SU		5 uL	5 uL
240-193522-B-26	GW-101223-BE-043	8260D	T	5 mL	5 mL	<2 SU		5 uL	5 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	VM5AcrylateW 00017	VMAROLISTDW 00506	vmbfb 00032	VMFASAW 00486	VMFASGW 00530	VMFASPW 00515
BFB 240-591760/1		8260D				1 uL			
CCVIS 240-591760/3		8260D			20 uL				
CCV 240-591760/4		8260D		20 uL					
LCS 240-591760/5		8260D					20 uL	10 uL	20 uL
MB 240-591760/8		8260D							
240-193522-B-15	GW-101023-BE-036	8260D	T						
240-193522-B-18	GW-101123-BE-039	8260D	T						
240-193522-B-22	GW-101123-BE-040	8260D	T						
240-193522-B-24	GW-101123-BE-041	8260D	T						
240-193522-B-25	GW-101223-BE-042	8260D	T						
240-193522-B-26	GW-101223-BE-043	8260D	T						

Lab Sample ID	Client Sample ID	Method Chain	Basis	VMRA9W 00501	VMRGAS 00498	VMRPRIMW 00554			

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.

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Batch Number: 591760 Batch Start Date: 10/22/23 14:42 Batch Analyst: Garrett, Christopher DBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	VMRA9W 00501	VMRGAS 00498	VMRPRIMW 00554			
BFB 240-591760/1		8260D							
CCVIS 240-591760/3		8260D			10 uL	20 uL			
CCV 240-591760/4		8260D		20 uL					
LCS 240-591760/5		8260D							
MB 240-591760/8		8260D							
240-193522-B-15	GW-101023-BE-036	8260D	T						
240-193522-B-18	GW-101123-BE-039	8260D	T						
240-193522-B-22	GW-101123-BE-040	8260D	T						
240-193522-B-24	GW-101123-BE-041	8260D	T						
240-193522-B-25	GW-101223-BE-042	8260D	T						
240-193522-B-26	GW-101223-BE-043	8260D	T						

Batch Notes	
pH Indicator ID	HC312502

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.

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Batch Number: 591763 Batch Start Date: 10/22/23 14:53 Batch Analyst: Garrett, Christopher DBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	vm125UX21_IS 00057	vm125UX21_SS 00009	VMAROLISTDW 00506
BFB 240-591763/1		8260D		5 mL	5 mL				
CCVIS 240-591763/4		8260D		5 mL	5 mL		1 uL	1 uL	20 uL
LCS 240-591763/5		8260D		5 mL	5 mL		1 uL	1 uL	
MB 240-591763/8		8260D		5 mL	5 mL		1 uL	1 uL	
240-193522-A-5	GW-100923-BE-028	8260D	T	5 mL	5 mL	<2 SU	1 uL	1 uL	
240-193522-B-12	GW-101023-BE-033	8260D	T	5 mL	5 mL	<2 SU	1 uL	1 uL	
240-193522-B-13	GW-101023-BE-034	8260D	T	5 mL	5 mL	<2 SU	1 uL	1 uL	

Lab Sample ID	Client Sample ID	Method Chain	Basis	vmbfb 00032	VMFASAW 00486	VMFASGW 00530	VMFASPW 00515	VMRGAS 00498	VMRPRIMW 00554
BFB 240-591763/1		8260D		1 uL					
CCVIS 240-591763/4		8260D						10 uL	20 uL
LCS 240-591763/5		8260D			20 uL	10 uL	20 uL		
MB 240-591763/8		8260D							
240-193522-A-5	GW-100923-BE-028	8260D	T						
240-193522-B-12	GW-101023-BE-033	8260D	T						
240-193522-B-13	GW-101023-BE-034	8260D	T						

Batch Notes	
pH Indicator ID	HC312502

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.

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Batch Number: 591927 Batch Start Date: 10/24/23 01:59 Batch Analyst: Garrett, Christopher DBatch Method: 8260D Batch End Date: _____

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Initial pH	vm25UX18IS 00007	vm25UX18IS 00009	vm25UX18SS 00008
BFB 240-591927/2		8260D		5 mL	5 mL				
CCVIS 240-591927/3		8260D		5 mL	5 mL			5 uL	5 uL
CCV 240-591927/4		8260D		5 mL	5 mL		5 uL		
LCS 240-591927/5		8260D		5 mL	5 mL			5 uL	5 uL
MB 240-591927/8		8260D		5 mL	5 mL			5 uL	5 uL
240-193522-A-14	GW-101023-BE-035	8260D	T	5 mL	5 mL	<2 SU		5 uL	5 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	VM5AcrylateW 00017	VMAROLISTDW 00506	vmbfb 00032	VMFASAW 00486	VMFASGW 00530	VMFASPW 00515
BFB 240-591927/2		8260D				8 uL			
CCVIS 240-591927/3		8260D			20 uL				
CCV 240-591927/4		8260D		20 uL					
LCS 240-591927/5		8260D					20 uL	10 uL	20 uL
MB 240-591927/8		8260D							
240-193522-A-14	GW-101023-BE-035	8260D	T						

Lab Sample ID	Client Sample ID	Method Chain	Basis	VMRA9W 00501	VMRGAS 00498	VMRPRIMW 00554			
BFB 240-591927/2		8260D							
CCVIS 240-591927/3		8260D			10 uL	20 uL			
CCV 240-591927/4		8260D		20 uL					
LCS 240-591927/5		8260D							
MB 240-591927/8		8260D							
240-193522-A-14	GW-101023-BE-035	8260D	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.

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GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Cleveland Job No.: 240-193522-1

SDG No.: _____

Batch Number: 591927 Batch Start Date: 10/24/23 01:59 Batch Analyst: Garrett, Christopher DBatch Method: 8260D Batch End Date: _____

Batch Notes	
pH Indicator ID	HC312502

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.

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Shipping and Receiving Documents

Eurofins Cleveland

180 S. Van Buren Avenue
Barberton, OH 44203
Phone: 330-497-9396 Fax: 330-497-0772

Chain of Custody Record



Environment Testing

Client Information		Sampler	Lab PM:	Carrier Tracking No(s)	COC No:					
Ms. Ruth Mickle		Brynn Eivick	Heckler, Denise D		240-112275-40005.5					
Company:		Phone:	E-Mail:	State of Origin:	Page: 5 of 7 2 of 3					
GHD Services Inc.			Denise.Heckler@eurofinsus.com	IN	Job #:					
Address:		Due Date Requested:								
26850 Haggerty Rd.		TAT Requested (days):								
City:		Compliance Project: Yes No								
Farmington Hills		PO #:								
State, Zip:		Purchase Order Requested								
MI, 48331		WO #:								
Phone:		11209506								
Email:		Project #:								
ruth.mickle@ghd.com		24007143								
Project Name:		SSOW #:								
11209506, MLK - Anderson, IN										
Site:										
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	260D - VOCs	Analysis Requested	Total Number of Containers	Special Instructions/Note:
GW-101023-BE-033	10/10/23	1307	G	Water	N	N	X		3	
GW-101023-BE-034	10/10/23	1358	G	Water	N	N	X		3	
GW-101023-BE-035	10/10/23	1444	G	Water	N	N	X		3	
GW-101023-BE-036	10/10/23	1455	G	Water	N	N	X		3	
GW-101023-BE-037	10/10/23	1604	G	Water	N	N	X		3	
GW-101123-BE-038	10/11/23	910	G	Water	N	N	X		9	
GW-101123-BE-039	10/11/23	1045	G	Water	N	N	X		3	
SW-101123-BE-001	10/11/23	1107	G	Water	N	N	X		3	
SW-101123-BE-002	10/11/23	1114	G	Water	N	N	X		3	
SW-101123-BE-003	10/11/23	1124	G	Water	N	N	X		3	
GW-101123-BE-040	10/11/23	1158	G	Water	N	N	X		3	
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)								
☐ Non-Hazard	☐ Flammable	☐ Return To Client	☐ Disposal By Lab							
Deliverable Requested: I, II, III, IV, Other (specify)		Archive For Months								
Empty Kit Relinquished by:		Method of Shipment:								
Relinquished by:	Date:	Received by:	Date:							
Relinquished by:	Date:	Received by:	Date:							
Relinquished by:	Date:	Received by:	Date:							
Custody Seals Intact: Yes No		Cooler Temperature(s) °C and Other Remarks:								

Eurofins - Cleveland Sample Receipt Form/Narrative Login # : 193522
Barberton Facility

Client GHD Site Name _____ Cooler unpacked by: Nancy Ryan
Cooler Received on 10-13-23 Opened on 10-13-23
FedEx: 1st Grd Exp UPS FAS Waypoint Client Drop Off Eurofins Courier Other _____
Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

Eurofins Cooler # EC 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 # 21 (CF -0.2 °C) Observed Cooler Temp. 2.2 °C Corrected Cooler Temp. 2.0 °C

2. Were tamper/custody seals on the outside of the cooler(s)? If Yes Quantity 1
- 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 NA
- 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)? Yes No
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# HC316719
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 # 62225 Yes No
17. Was a LL Hg or Me Hg trip blank present? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____
Concerning _____

Tests that are not
checked for pH by
Receiving:

VOAs
Oil and Grease
TOC

18. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES ☐ additional next page Samples processed by: _____

19. SAMPLE CONDITION
Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

20. SAMPLE PRESERVATION
Sample(s) _____ were further preserved in the laboratory.
Time preserved: _____ Preservative(s) added/Lot number(s): _____
VOA Sample Preservation - Date/Time VOAs Frozen: _____

Appendix B

Data Quality Assessment and Validation Reports

Data Verification Report

November 14, 2023

To	Robert Catallo	Contact No.	612-524-6872
		Email	ruth.mickle@ghd.com
From	Ruth Mickle/mg/3	Project No.	11209506-TO7
Project Name	RACER Trust MLK Boulevard Facility		
Subject	Analytical Results and Data Verification Surface Water and Site-Wide Groundwater Monitoring RACER Trust - MLK Boulevard Facility Anderson, Indiana October 2023		

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

1. Introduction

This document details a data verification of analytical results for surface water and groundwater samples collected in support of the Surface Water and Site-Wide Groundwater Monitoring at the MLK Boulevard Facility in Anderson, Indiana during October 2023. Samples were submitted to Eurofins Environment Testing (EET), located in Barberton, Ohio. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

Standard GHD report deliverables were submitted by the laboratory. The final results and supporting quality assurance/quality control (QA/QC) data were assessed. Evaluation of the data was based on information obtained from the chain of custody forms, finished report forms, method blank data, recovery data from surrogate spikes/laboratory control samples (LCS)/matrix spikes (MS), and field QC samples.

The QA/QC criteria by which these data have been assessed are outlined in the analytical method referenced in Table 3 and applicable guidance from the documents entitled:

1. "Quality Assurance Project Plan (QAPP) for the Resource Conservation and Recovery Act (RCRA) Facility Investigation at GM Anderson, Indiana Facility", IND 980 700 801, Revision 2, October 14, 1997
2. "National Functional Guidelines for Organic Superfund Methods Data Review", EPA 540-R-20-005, November 2020

Item 2 will subsequently be referred to as the "Guidelines" in this Memorandum.

2. Sample Holding Time and Preservation

The sample holding time criterion for the analysis is summarized in Table 3. Sample chain of custody documents and analytical reports were used to determine sample holding times. All samples were analyzed within the required holding times.

Most samples were properly preserved, delivered on ice, and stored by the laboratory at the required temperature (0-6°C). Two samples were re-run multiple times, consuming a large amount of sample. Therefore, it was necessary to use the vial opened for preservation confirmation for analyses. The associated sample results were qualified estimated, as noted in Table 4. One of the associated samples, GW-101023-BE-035, is a field duplicate of sample GW-101023-BE-036. Despite the preservation issue with sample GW-101023-BE-035, the duplicate results were comparable.

3. Laboratory Method Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

4. Surrogate Spike Recoveries - Organic Analyses

In accordance with the method employed, all samples, blanks, and QC samples analyzed for organics are spiked with surrogate compounds prior to sample analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

All samples submitted for volatile organic compound (VOC) determinations were spiked with the appropriate number of surrogate compounds prior to sample analysis.

Surrogate recoveries were assessed against laboratory control limits. All surrogate recoveries were within the laboratory control limits.

5. Laboratory Control Sample Analyses

LCS are prepared and analyzed as samples to assess the analytical efficiencies of the methods employed, independent of sample matrix effects.

For this study, LCS were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

The LCS contained all compounds of interest. All LCS recoveries were within the laboratory control limits.

6. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analyses

To evaluate the effects of sample matrices on the preparation process, measurement procedures, and accuracy of a particular analysis, samples are spiked with known concentrations of the analytes of concern and

analyzed as MS/MSD samples. The relative percent difference (RPD) between the MS and MSD is used to assess analytical precision.

MS/MSD analyses were performed as specified in Table 1. The laboratory performed additional site-specific MS/MSD analyses internally.

The MS/MSD samples were spiked with all compounds of interest. The percent recoveries and RPD values were within the laboratory control limits or yielded recoveries outside of the control limits that did not result in qualification of sample data, demonstrating acceptable analytical accuracy and precision.

7. Field QA/QC Samples

The field QA/QC consisted of two trip blank samples, four equipment rinse blank sample, and five field duplicate sample sets.

Trip Blank Sample Analysis

To evaluate contamination from sample collection, transportation, storage, and analytical activities, trip blanks were submitted to the laboratory for VOC analysis. The trip blank results were non-detect

Rinse Blank Sample Analysis

To assess field decontamination procedures, ambient conditions at the site, and cleanliness of sample containers, equipment rinse blanks were submitted for analysis, as identified in Table 1. The results were non-detect for the analytes of interest with the exception of low concentration of cis-1,2-dichloroethene in two rinse blanks. Since the associated sample results were much greater than the rinse blank detections, no data qualification was required.

Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, field duplicate samples sets were collected and submitted "blind" to the laboratory, as specified in Table 1. The RPDs associated with these duplicate samples must be less than 50 percent for water samples. If the reported concentrations in either the investigative sample or its duplicate is less than five times the reporting limit (RL), the evaluation criteria is one times the RL value for water.

Most field duplicate results were within acceptable agreement. Table 5 presents outlying field duplicate data from one duplicate sample set. The associated sample data were qualified estimated, as noted in the table.

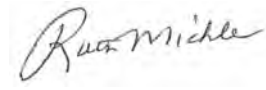
8. Analyte Reporting

The laboratory reported detected results down to the laboratory's sample-specific method detection limit (MDL) for each analyte. Positive analyte detections less than the RL but greater than the MDL were reported as estimated (J) in Table 2 unless qualified otherwise in this memorandum. Non-detect results were presented as non-detect at the RL in Table 2.

9. Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are acceptable with the specific qualifications noted herein.

Regards,

A handwritten signature in black ink, appearing to read "Ruth Mickle", is positioned above the printed name.

Ruth Mickle
Digital Intelligence - Data Management Team Lead-Data Validator

Encl.

Table 1

Sample Collection and Analysis Summary
Surface Water and Site-Wide Groundwater Monitoring
RACER Trust - MLK Boulevard Facility
Anderson, Indiana
October 2023

					Analysis/Parameters	
Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	VOCs	Comments
Eurofins SDG: 240-193082-1						
GW-100223-BE-001	MW 66	water	10/02/2023	10:24	X	FD (GW-100223-BE-001)
GW-100223-BE-002	MW 66	water	10/02/2023	10:33	X	
GW-100223-BE-003	MW 12	water	10/02/2023	11:46	X	
GW-100223-BE-004	MW 46	water	10/02/2023	13:09	X	
GW-100223-BE-005	MW 49	water	10/02/2023	15:18	X	
EB-100223-BE-001	Equipment Blank	water	10/02/2023	16:00	X	Equipment Blank
GW-100223-BE-006	MW89-11	water	10/02/2023	16:20	X	MS/MSD
GW-100323-BE-007	MW 21	water	10/03/2023	09:43	X	Trip Blank
GW-100323-BE-008	MW 8	water	10/03/2023	10:38	X	
GW-100323-BE-009	MW 31R	water	10/03/2023	12:20	X	
TB-100323-BE-001	Trip Blank	water	10/03/2023	13:00	X	
GW-100323-BE-010	MW 15	water	10/03/2023	13:21	X	
GW-100323-BE-011	MW 16	water	10/03/2023	15:35	X	
GW-100323-BE-012	MW 68	water	10/03/2023	16:26	X	
GW-100423-BE-013	MW 14	water	10/04/2023	09:20	X	
GW-100423-BE-014	MW 14	water	10/04/2023	09:30	X	
GW-100423-BE-015	MW 79	water	10/04/2023	10:46	X	
GW-100423-BE-016	MW 84	water	10/04/2023	11:40	X	FD (GW-100423-BE-013)
GW-100423-BE-017	MW 37	water	10/04/2023	12:30	X	
GW-100423-BE-018	MW 28	water	10/04/2023	14:23	X	
EB-100423-BE-002	Equipment Blank	water	10/04/2023	14:45	X	
GW-100423-BE-019	MW 42	water	10/04/2023	16:01	X	
GW-100423-BE-020	MW 41	water	10/04/2023	16:23	X	
GW-100523-BE-021	MW 83	water	10/05/2023	10:48	X	
GW-100523-BE-022	MW 40	water	10/05/2023	12:07	X	
GW-100523-BE-023	MW 80	water	10/05/2023	13:50	X	

Table 1

Sample Collection and Analysis Summary
Surface Water and Site-Wide Groundwater Monitoring
RACER Trust - MLK Boulevard Facility
Anderson, Indiana
October 2023

					Analysis/Parameters	
Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	VOCs	Comments
Eurofins SDG: 240-193522-1						
GW-100923-BE-024	MW 88	water	10/09/2023	08:40	X	FD (GW-100923-BE-025)
GW-100923-BE-025	MW 61	water	10/09/2023	12:55	X	
GW-100923-BE-026	MW 61	water	10/09/2023	13:04	X	
GW-100923-BE-027	MW 64	water	10/09/2023	14:21	X	
GW-100923-BE-028	MW 81	water	10/09/2023	15:40	X	
EB-100923-BE-003	Equipment Blank	water	10/09/2023	15:58	X	Equipment Blank
GW-100923-BE-029	MW 65	water	10/09/2023	16:11	X	Trip Blank
TB-100923-BE-002	Trip Blank	water	10/09/2023	16:30	X	
GW-101023-BE-030	MW 77	water	10/10/2023	10:50	X	
GW-101023-BE-031	MW-2	water	10/10/2023	11:22	X	FD (GW-101023-BE-035)
GW-101023-BE-032	MW97R-16	water	10/10/2023	12:30	X	
GW-101023-BE-033	MW 56	water	10/10/2023	13:07	X	
GW-101023-BE-034	MW-4	water	10/10/2023	13:58	X	
GW-101023-BE-035	MW 58	water	10/10/2023	14:44	X	
GW-101023-BE-036	MW 58	water	10/10/2023	14:55	X	MS/MSD
GW-101023-BE-037	MW-7	water	10/10/2023	16:04	X	
GW-101123-BE-038	MW 86	water	10/11/2023	09:10	X	
GW-101123-BE-039	MW 85	water	10/11/2023	10:45	X	FD (SW-101123-BE-001)
SW-101123-BE-001	Pond North	water	10/11/2023	11:07	X	
SW-101123-BE-002	Pond North	water	10/11/2023	11:14	X	
SW-101123-BE-003	Pond Intake	water	10/11/2023	11:24	X	
GW-101123-BE-040	MW 57	water	10/11/2023	11:58	X	
EB-101123-BE-004	Equipment Blank	water	10/11/2023	12:45	X	Equipment Blank
GW-101123-BE-041	MW 3	water	10/11/2023	13:30	X	
GW-101223-BE-042	MW92-13	water	10/12/2023	09:46	X	
GW-101223-BE-043	MW 76R-17	water	10/12/2023	11:10	X	
GW-101223-BE-044	MW 75	water	10/12/2023	12:26	X	
GW-101223-BE-045	MW 82	water	10/12/2023	15:12	X	

Notes:

- FD - Field Duplicate sample of sample in parenthesis
- MS/MSD - Matrix Spike/Matrix Spike Duplicate
- SDG - Sample Delivery Group
- VOCs - Volatile Organic Compounds
- "-" - Not applicable

Table 2

Analytical Results Summary
Surface Water and Site-Wide Groundwater Monitoring
RACER Trust - MLK Boulevard Facility
Anderson, Indiana
October 2023

Location ID:		MW 3	MW 8	MW 12	MW 14	MW 14	MW 15	MW 16	MW 21
Sample Name:		GW-101123-BE-041	GW-100323-BE-008	GW-100223-BE-003	GW-100423-BE-013	GW-100423-BE-014	GW-100323-BE-010	GW-100323-BE-011	GW-100323-BE-007
Sample Date:		10/11/2023	10/03/2023	10/02/2023	10/04/2023	10/04/2023 Duplicate	10/03/2023	10/03/2023	10/03/2023
Parameters	Unit								
Volatile Organic Compounds									
1,1,1-Trichloroethane	µg/L	160	50 U	1.0 U	100 U	100 U	330	120 J	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	20 U	50 U	1.0 U	100 U	100 U	100 U	200 U	1.0 U
1,1,2-Trichloroethane	µg/L	20 U	50 U	1.0 U	100 U	100 U	100 U	200 U	1.0 U
1,1-Dichloroethane	µg/L	50	50 U	1.0 U	100 U	100 U	130	200 U	1.0 U
1,1-Dichloroethene	µg/L	20 U	50 U	1.0 U	100 U	100 U	100 U	200 U	1.0 U
1,2-Dichloroethane	µg/L	20 U	50 U	1.0 U	100 U	100 U	100 U	200 U	1.0 U
1,2-Dichloropropane	µg/L	20 U	50 U	1.0 U	100 U	100 U	100 U	200 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	200 U	500 U	10 U	1000 U	1000 U	1000 U	2000 U	10 U
2-Hexanone	µg/L	200 U	500 U	10 U	1000 U	1000 U	1000 U	2000 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	200 U	500 U	10 U	1000 U	1000 U	1000 U	2000 U	10 U
Acetone	µg/L	200 U	500 U	10 U	1000 U	1000 U	1000 U	2000 U	10 U
Benzene	µg/L	20 U	50 U	1.0 U	100 U	100 U	100 U	200 U	1.0 U
Bromodichloromethane	µg/L	20 U	50 U	1.0 U	100 U	100 U	100 U	200 U	1.0 U
Bromoform	µg/L	20 U	50 U	1.0 U	100 U	100 U	100 U	200 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	20 U	50 U	1.0 U	100 U	100 U	100 U	200 U	1.0 U
Carbon disulfide	µg/L	20 U	50 U	1.0 U	100 U	100 U	100 U	200 U	1.0 U
Carbon tetrachloride	µg/L	20 U	50 U	1.0 U	100 U	100 U	100 U	200 U	1.0 U
Chlorobenzene	µg/L	20 U	50 U	1.0 U	100 U	100 U	100 U	200 U	1.0 U
Chloroethane	µg/L	20 U	50 U	1.0 U	100 U	100 U	100 U	200 U	1.0 U
Chloroform (Trichloromethane)	µg/L	20 U	50 U	1.0 U	100 U	100 U	100 U	200 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	20 U	50 U	1.0 U	100 U	100 U	100 U	200 U	1.0 U
cis-1,2-Dichloroethene	µg/L	210	1700	52	3200	3100	5100	3300	1.0 U
cis-1,3-Dichloropropene	µg/L	20 U	50 U	1.0 U	100 U	100 U	100 U	200 U	1.0 U
Dibromochloromethane	µg/L	20 U	50 U	1.0 U	100 U	100 U	100 U	200 U	1.0 U
Ethylbenzene	µg/L	20 U	50 U	1.0 U	100 U	100 U	100 U	200 U	1.0 U
Methylene chloride	µg/L	100 U	250 U	5.0 U	500 U	500 U	500 U	1000 U	5.0 U
Styrene	µg/L	20 U	50 U	1.0 U	100 U	100 U	100 U	200 U	1.0 U
Tetrachloroethene	µg/L	20 U	50 U	1.0 U	100 U	100 U	100 U	200 U	1.0 U
Toluene	µg/L	20 U	50 U	1.0 U	100 U	100 U	100 U	200 U	1.0 U
trans-1,2-Dichloroethene	µg/L	20 U	50 U	0.60 J	100 U	100 U	100 U	200 U	1.0 U
trans-1,3-Dichloropropene	µg/L	20 U	50 U	1.0 U	100 U	100 U	100 U	200 U	1.0 U
Trichloroethene	µg/L	800	150	0.45 J	100 U	100 U	2000	3800	1.0 U
Vinyl chloride	µg/L	20 U	1200	1.0 U	190	180	94 J	200 U	1.0 U
Xylenes (total)	µg/L	40 U	100 U	2.0 U	200 U	200 U	200 U	400 U	2.0 U

Table 2

Analytical Results Summary
Surface Water and Site-Wide Groundwater Monitoring
RACER Trust - MLK Boulevard Facility
Anderson, Indiana
October 2023

Location ID:		MW 28	MW 31R	MW 37	MW 40	MW 41	MW 42	MW 46	MW 49
Sample Name:		GW-100423-BE-018	GW-100323-BE-009	GW-100423-BE-017	GW-100523-BE-022	GW-100423-BE-020	GW-100423-BE-019	GW-100223-BE-004	GW-100223-BE-005
Sample Date:		10/04/2023	10/03/2023	10/04/2023	10/05/2023	10/04/2023	10/04/2023	10/02/2023	10/02/2023
Parameters	Unit								
Volatile Organic Compounds									
1,1,1-Trichloroethane	µg/L	100 U	400 U	1.0 U	100 U	200 U	8.0 U	1.0 U	20 U
1,1,2,2-Tetrachloroethane	µg/L	100 U	400 U	1.0 U	100 U	200 U	8.0 U	1.0 U	20 U
1,1,2-Trichloroethane	µg/L	100 U	400 U	1.0 U	100 U	200 U	8.0 U	1.0 U	20 U
1,1-Dichloroethane	µg/L	100 U	560	1.0 U	52 J	200 U	14	1.0 U	20 U
1,1-Dichloroethene	µg/L	100 U	400 U	1.0 U	100 U	200 U	20	1.0 U	20 U
1,2-Dichloroethane	µg/L	100 U	400 U	1.0 U	100 U	200 U	8.0 U	1.0 U	20 U
1,2-Dichloropropane	µg/L	100 U	400 U	1.0 U	100 U	200 U	8.0 U	1.0 U	20 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	1000 U	4000 U	10 U	1000 U	2000 U	80 U	10 U	200 U
2-Hexanone	µg/L	1000 U	4000 U	10 U	1000 U	2000 U	80 U	10 U	200 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	1000 U	4000 U	10 U	1000 U	2000 U	80 U	10 U	200 U
Acetone	µg/L	1000 U	4000 U	10 U	1000 U	2000 U	80 U	10 U	200 U
Benzene	µg/L	100 U	400 U	1.0 U	100 U	200 U	8.0 U	1.0 U	20 U
Bromodichloromethane	µg/L	100 U	400 U	1.0 U	100 U	200 U	8.0 U	1.0 U	20 U
Bromoform	µg/L	100 U	400 U	1.0 U	100 U	200 U	8.0 U	1.0 U	20 U
Bromomethane (Methyl bromide)	µg/L	100 U	400 U	1.0 U	100 U	200 U	8.0 U	1.0 U	20 U
Carbon disulfide	µg/L	100 U	400 U	1.0 U	100 U	200 U	8.0 U	1.0 U	20 U
Carbon tetrachloride	µg/L	100 U	400 U	1.0 U	100 U	200 U	8.0 U	1.0 U	20 U
Chlorobenzene	µg/L	100 U	400 U	1.0 U	100 U	200 U	8.0 U	1.0 U	20 U
Chloroethane	µg/L	100 U	400 U	1.0 U	100 U	200 U	8.0 U	1.0 U	20 U
Chloroform (Trichloromethane)	µg/L	100 U	400 U	1.0 U	100 U	200 U	8.0 U	1.0 U	20 U
Chloromethane (Methyl chloride)	µg/L	100 U	400 U	1.0 U	100 U	200 U	8.0 U	1.0 U	20 U
cis-1,2-Dichloroethene	µg/L	1900	32000	1.0 U	3500	3800	2700	1.0 U	380
cis-1,3-Dichloropropene	µg/L	100 U	400 U	1.0 U	100 U	200 U	8.0 U	1.0 U	20 U
Dibromochloromethane	µg/L	100 U	400 U	1.0 U	100 U	200 U	8.0 U	1.0 U	20 U
Ethylbenzene	µg/L	100 U	680	1.0 U	100 U	200 U	8.0 U	1.0 U	20 U
Methylene chloride	µg/L	500 U	2000 U	5.0 U	500 U	1000 U	40 U	5.0 U	100 U
Styrene	µg/L	100 U	400 U	1.0 U	100 U	200 U	8.0 U	1.0 U	20 U
Tetrachloroethene	µg/L	100 U	400 U	1.0 U	100 U	200 U	8.0 U	1.0 U	20 U
Toluene	µg/L	100 U	1800	1.0 U	100 U	200 U	8.0 U	1.0 U	20 U
trans-1,2-Dichloroethene	µg/L	100 U	400 U	1.0 U	54 J	200 U	170	1.0 U	12 J
trans-1,3-Dichloropropene	µg/L	100 U	400 U	1.0 U	100 U	200 U	8.0 U	1.0 U	20 U
Trichloroethene	µg/L	100 U	400 U	1.0 U	110	200 U	13	1.0 U	110
Vinyl chloride	µg/L	180	1700	1.0 U	330	270	60	1.0 U	20 U
Xylenes (total)	µg/L	200 U	1300	2.0 U	200 U	400 U	16 U	2.0 U	40 U

Table 2

Analytical Results Summary
Surface Water and Site-Wide Groundwater Monitoring
RACER Trust - MLK Boulevard Facility
Anderson, Indiana
October 2023

Location ID:		MW 56	MW 57	MW 58	MW 58	MW 61	MW 61	MW 64	MW 65
Sample Name:		GW-101023-BE-033	GW-101123-BE-040	GW-101023-BE-035	GW-101023-BE-036	GW-100923-BE-025	GW-100923-BE-026	GW-100923-BE-027	GW-100923-BE-029
Sample Date:		10/10/2023	10/11/2023	10/10/2023	10/10/2023 Duplicate	10/09/2023	10/09/2023 Duplicate	10/09/2023	10/09/2023
Parameters	Unit								
Volatile Organic Compounds									
1,1,1-Trichloroethane	µg/L	1.0 U	10 U	100 UJ	100 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	10 U	100 UJ	100 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	10 U	100 UJ	100 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.0 U	10 U	58 J-	61 J	1.0 U	1.0 U	3.2	0.61 J
1,1-Dichloroethene	µg/L	1.0 U	10 U	100 UJ	100 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	10 U	100 UJ	100 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	10 U	100 UJ	100 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	10 U	100 U	1000 UJ	1000 U	10 U	10 U	10 U	10 U
2-Hexanone	µg/L	10 U	100 U	1000 UJ	1000 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	100 U	1000 UJ	1000 U	10 U	10 U	10 U	10 U
Acetone	µg/L	10 U	100 U	1000 UJ	1000 U	10 U	10 U	10 U	10 U
Benzene	µg/L	1.0 U	10 U	100 UJ	100 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	10 U	100 UJ	100 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	10 U	100 UJ	100 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	10 U	100 UJ	100 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	1.0 U	10 U	100 UJ	100 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	1.0 U	10 U	100 UJ	100 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	10 U	100 UJ	100 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	1.0 U	10 U	100 UJ	100 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	10 U	100 UJ	100 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	10 U	100 UJ	100 U	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	1.0 U	150	2700 J-	2700	1.0 U	1.0 U	310	5.8
cis-1,3-Dichloropropene	µg/L	1.0 U	10 U	100 UJ	100 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	1.0 U	10 U	100 UJ	100 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	10 U	100 UJ	100 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	µg/L	5.0 U	50 U	500 UJ	500 U	5.0 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	1.0 U	10 U	100 UJ	100 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	10 U	100 UJ	100 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	10 U	100 UJ	100 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	10 U	170 J-	190	1.0 U	1.0 U	37	0.57 J
trans-1,3-Dichloropropene	µg/L	1.0 U	10 U	100 UJ	100 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	10 U	100 UJ	100 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	µg/L	1.0 U	1300	140 J-	140	3.5	3.3	3.7	0.70 J
Xylenes (total)	µg/L	2.0 U	20 U	200 UJ	200 U	2.0 U	2.0 U	2.0 U	2.0 U

Table 2

Analytical Results Summary
Surface Water and Site-Wide Groundwater Monitoring
RACER Trust - MLK Boulevard Facility
Anderson, Indiana
October 2023

Location ID:		MW 66	MW 66	MW 68	MW 75	MW 76R-17	MW 77	MW 79	MW 80
Sample Name:		GW-100223-BE-001	GW-100223-BE-002	GW-100323-BE-012	GW-101223-BE-044	GW-101223-BE-043	GW-101023-BE-030	GW-100423-BE-015	GW-100523-BE-023
Sample Date:		10/02/2023	10/02/2023 Duplicate	10/03/2023	10/12/2023	10/12/2023	10/10/2023	10/04/2023	10/05/2023
Parameters	Unit								
Volatile Organic Compounds									
1,1,1-Trichloroethane	µg/L	40 U	40 U	200 U	1.0 U	1.0 U	1.0 U	100 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	40 U	40 U	200 U	1.0 U	1.0 U	1.0 U	100 U	5.0 U
1,1,2-Trichloroethane	µg/L	40 U	40 U	200 U	1.0 U	1.0 U	1.0 U	100 U	5.0 U
1,1-Dichloroethane	µg/L	29 J	27 J	110 J	1.0 U	1.0 U	1.0 U	100 U	5.0 U
1,1-Dichloroethene	µg/L	40 U	40 U	200 U	1.0 U	1.0 U	1.0 U	100 U	5.0 U
1,2-Dichloroethane	µg/L	40 U	40 U	200 U	1.0 U	1.0 U	1.0 U	100 U	5.0 U
1,2-Dichloropropane	µg/L	40 U	40 U	200 U	1.0 U	1.0 U	1.0 U	100 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	400 U	400 U	2000 U	8.6 J	3.9 J	10 U	1000 U	50 U
2-Hexanone	µg/L	400 U	400 U	2000 U	10 U	10 U	10 U	1000 U	50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	400 U	400 U	2000 U	10 U	10 U	10 U	1000 U	50 U
Acetone	µg/L	400 U	400 U	2000 U	11	10 U	10 U	1000 U	50 U
Benzene	µg/L	40 U	40 U	200 U	1.0 U	1.0 U	1.0 U	100 U	5.0 U
Bromodichloromethane	µg/L	40 U	40 U	200 U	1.0 U	1.0 U	1.0 U	100 U	5.0 U
Bromoform	µg/L	40 U	40 U	200 U	1.0 U	1.0 U	1.0 U	100 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	40 U	40 U	200 U	1.0 U	1.0 U	1.0 U	100 U	5.0 U
Carbon disulfide	µg/L	40 U	40 U	200 U	1.0 U	1.0 U	1.0 U	100 U	5.0 U
Carbon tetrachloride	µg/L	40 U	40 U	200 U	1.0 U	1.0 U	1.0 U	100 U	5.0 U
Chlorobenzene	µg/L	40 U	40 U	200 U	1.0 U	1.0 U	1.0 U	100 U	5.0 U
Chloroethane	µg/L	40 U	40 U	200 U	1.0 U	1.0 U	1.0 U	100 U	5.0 U
Chloroform (Trichloromethane)	µg/L	40 U	40 U	200 U	1.0 U	1.0 U	1.0 U	100 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	40 U	40 U	200 U	1.0 U	1.0 U	1.0 U	100 U	5.0 U
cis-1,2-Dichloroethene	µg/L	1300	1300	3500	1.0 U	10	1.0 U	2600	240
cis-1,3-Dichloropropene	µg/L	40 U	40 U	200 U	1.0 U	1.0 U	1.0 U	100 U	5.0 U
Dibromochloromethane	µg/L	40 U	40 U	200 U	1.0 U	1.0 U	1.0 U	100 U	5.0 U
Ethylbenzene	µg/L	40 U	40 U	200 U	1.0 U	1.0 U	1.0 U	100 U	5.0 U
Methylene chloride	µg/L	200 U	200 U	1000 U	5.0 U	5.0 U	5.0 U	500 U	25 U
Styrene	µg/L	40 U	40 U	200 U	1.0 U	1.0 U	1.0 U	100 U	5.0 U
Tetrachloroethene	µg/L	40 U	40 U	200 U	1.0 U	1.0 U	1.0 U	100 U	5.0 U
Toluene	µg/L	40 U	40 U	200 U	1.0 U	1.0 U	1.0 U	100 U	5.0 U
trans-1,2-Dichloroethene	µg/L	87	82	130 J	1.0 U	1.0 U	1.0 U	81 J	14
trans-1,3-Dichloropropene	µg/L	40 U	40 U	200 U	1.0 U	1.0 U	1.0 U	100 U	5.0 U
Trichloroethene	µg/L	40 U	40 U	1200	1.0 U	1.0 U	1.0 U	100 U	5.0 U
Vinyl chloride	µg/L	40 U	40 U	120 J	1.0 U	1.0 U	1.0 U	360	110
Xylenes (total)	µg/L	80 U	80 U	400 U	2.0 U	2.0 U	2.0 U	200 U	10 U

Table 2

Analytical Results Summary
Surface Water and Site-Wide Groundwater Monitoring
RACER Trust - MLK Boulevard Facility
Anderson, Indiana
October 2023

Location ID:		MW 81	MW 82	MW 83	MW 84	MW 85	MW 86	MW 88	MW-2
Sample Name:		GW-100923-BE-028	GW-101223-BE-045	GW-100523-BE-021	GW-100423-BE-016	GW-101123-BE-039	GW-101123-BE-038	GW-100923-BE-024	GW-101023-BE-031
Sample Date:		10/09/2023	10/12/2023	10/05/2023	10/04/2023	10/11/2023	10/11/2023	10/09/2023	10/10/2023
Parameters	Unit								
Volatile Organic Compounds									
1,1,1-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	µg/L	1.4	1.0 U	1.0 U	1.0 U	140	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	32 J	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	10 U	10 U	10 U	10 U	500 U	10 U	10 U	10 U
2-Hexanone	µg/L	10 U	10 U	10 U	10 U	500 U	10 U	10 U	10 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	10 U	10 U	10 U	10 U	500 U	10 U	10 U	10 U
Acetone	µg/L	10 U	7.7 J	10 U	10 U	500 U	10 U	10 U	10 U
Benzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U
Bromoform	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U
Chloroethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	200	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl chloride)	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	µg/L	79 J-	0.78 J	1.0 U	1.0 U	5500	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U
Methylene chloride	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	250 U	5.0 U	5.0 U	5.0 U
Styrene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U
Toluene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	180	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	50 U	1.0 U	1.0 U	1.0 U
Trichloroethene	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	50 U	1.0 U	0.97 J	1.0 U
Vinyl chloride	µg/L	56 J-	1.0 U	34	1.0 U	320	1.0 U	9.4	1.0 U
Xylenes (total)	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	100 U	2.0 U	2.0 U	2.0 U

Table 2

Analytical Results Summary
Surface Water and Site-Wide Groundwater Monitoring
RACER Trust - MLK Boulevard Facility
Anderson, Indiana
October 2023

Location ID:	MW-4	MW-7	MW89-11	MW92-13	MW97R-16	Pond Intake	Pond North	Pond North
Sample Name:	GW-101023-BE-034	GW-101023-BE-037	GW-100223-BE-006	GW-101223-BE-042	GW-101023-BE-032	SW-101123-BE-003	SW-101123-BE-001	SW-101123-BE-002
Sample Date:	10/10/2023	10/10/2023	10/02/2023	10/12/2023	10/10/2023	10/11/2023	10/11/2023	10/11/2023
								Duplicate
Parameters	Unit							
Volatile Organic Compounds								
1,1,1-Trichloroethane	µg/L	120	1.0 U	11	1.0 U	1.0 U	3.3 U	5.0 U
1,1,2,2-Tetrachloroethane	µg/L	100 U	1.0 U	1.0 U	1.0 U	1.0 U	3.3 U	5.0 U
1,1,2-Trichloroethane	µg/L	100 U	1.0 U	1.0 U	1.0 U	1.0 U	3.3 U	5.0 U
1,1-Dichloroethane	µg/L	160	1.0 U	1.0 U	1.0 U	1.0 U	1.7 J	4.6 J
1,1-Dichloroethene	µg/L	100 U	1.0 U	1.0 U	1.0 U	1.0 U	3.3 U	5.0 U
1,2-Dichloroethane	µg/L	100 U	1.0 U	1.0 U	1.0 U	1.0 U	3.3 U	5.0 U
1,2-Dichloropropane	µg/L	100 U	1.0 U	1.0 U	1.0 U	1.0 U	3.3 U	5.0 U
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	1000 U	10 U	10 U	10 U	10 U	33 U	50 U
2-Hexanone	µg/L	1000 U	10 U	10 U	10 U	10 U	33 U	50 U
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/L	1000 U	10 U	10 U	10 U	10 U	33 U	50 U
Acetone	µg/L	1000 U	10 U	10 U	10 U	10 U	33 U	50 U
Benzene	µg/L	100 U	1.0 U	1.0 U	1.0 U	1.0 U	3.3 U	5.0 U
Bromodichloromethane	µg/L	100 U	1.0 U	1.0 U	1.0 U	1.0 U	3.3 U	5.0 U
Bromoform	µg/L	100 U	1.0 U	1.0 U	1.0 U	1.0 U	3.3 U	5.0 U
Bromomethane (Methyl bromide)	µg/L	100 U	1.0 U	1.0 U	1.0 U	1.0 U	3.3 U	2.2 J
Carbon disulfide	µg/L	100 U	1.0 U	1.0 U	1.0 U	1.0 U	3.3 U	5.0 U
Carbon tetrachloride	µg/L	100 U	1.0 U	1.0 U	1.0 U	1.0 U	3.3 U	5.0 U
Chlorobenzene	µg/L	100 U	1.0 U	1.0 U	1.0 U	1.0 U	3.3 U	5.0 U
Chloroethane	µg/L	100 U	1.0 U	1.0 U	1.0 U	1.0 U	3.3 U	5.0 U
Chloroform (Trichloromethane)	µg/L	100 U	1.0 U	1.0 U	1.0 U	1.0 U	3.3 U	5.0 U
Chloromethane (Methyl chloride)	µg/L	100 U	1.0 U	1.0 U	1.0 U	1.0 U	3.3 U	5.0 U
cis-1,2-Dichloroethene	µg/L	4500	0.81 J	1.0 U	1.5	1.0 U	45	110
cis-1,3-Dichloropropene	µg/L	100 U	1.0 U	1.0 U	1.0 U	1.0 U	3.3 U	5.0 U
Dibromochloromethane	µg/L	100 U	1.0 U	1.0 U	1.0 U	1.0 U	3.3 U	5.0 U
Ethylbenzene	µg/L	100 U	1.0 U	1.0 U	1.0 U	1.0 U	3.3 U	5.0 U
Methylene chloride	µg/L	500 U	5.0 U	5.0 U	5.0 U	5.0 U	17 U	25 U
Styrene	µg/L	100 U	1.0 U	1.0 U	1.0 U	1.0 U	3.3 U	5.0 U
Tetrachloroethene	µg/L	100 U	1.0 U	1.0 U	1.0 U	1.0 U	3.3 U	5.0 U
Toluene	µg/L	100 U	1.0 U	1.0 U	1.0 U	1.0 U	3.3 U	5.0 U
trans-1,2-Dichloroethene	µg/L	60 J	1.0 U	1.0 U	1.0 U	1.0 U	3.3 U	5.0 U
trans-1,3-Dichloropropene	µg/L	100 U	1.0 U	1.0 U	1.0 U	1.0 U	3.3 U	5.0 U
Trichloroethene	µg/L	2700	1.0 U	1.0 U	1.0 U	1.0 U	3.3 U	5.0 U
Vinyl chloride	µg/L	200	1.0 U	1.0 U	1.0 U	1.0 U	2.5 J	7.5
Xylenes (total)	µg/L	200 U	2.0 U	2.0 U	2.0 U	2.0 U	6.7 U	10 U

Notes:
J - Estimated concentration
J- - Estimated concentration; sample result may be biased low
U - Not detected at the associated reporting limit
UJ- Not detected; associated reporting limit is estimated

Table 3

Analytical Method
Surface Water and Site-Wide Groundwater Monitoring
RACER Trust - MLK Boulevard Facility
Anderson, Indiana
October 2023

Parameter	Method	Matrix	Holding Time	
			Collection to Extraction (Days)	Collection or Extraction to Analysis (Days)
VOCs	SW-846 8260D	Water	-	14

Notes:

VOCs - Volatile Organic Compounds

Method Reference:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846,
 Third Edition, 1986, with subsequent revisions

"-" - Not applicable

Table 4

Qualified Sample Data Due to Insufficient Sample Preservation
Surface Water and Site-Wide Groundwater Monitoring
RACER Trust - MLK Boulevard Facility
Anderson, Indiana
October 2023

Parameter	Sample ID	Analyses from an opened VOC vial	Analyte	Qualified Result	Units
VOCs	GW-100923-BE-028	Yes	cis-1,2-Dichloroethene	79 J-	ug/L
			Vinyl chloride	56 J-	ug/L
VOCs	GW-101023-BE-035	Yes	1,1,1-Trichloroethane	100 UJ	ug/L
			1,1,2,2-Tetrachloroethane	100 UJ	ug/L
			1,1,2-Trichloroethane	100 UJ	ug/L
			1,1-Dichloroethane	58 J-	ug/L
			1,1-Dichloroethene	100 UJ	ug/L
			1,2-Dichloroethane	100 UJ	ug/L
			1,2-Dichloropropane	100 UJ	ug/L
			2-Butanone (Methyl ethyl ketone) (MEK)	1000 UJ	ug/L
			2-Hexanone	1000 UJ	ug/L
			4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	1000 UJ	ug/L
			Acetone	1000 UJ	ug/L
			Benzene	100 UJ	ug/L
			Bromodichloromethane	100 UJ	ug/L
			Bromoform	100 UJ	ug/L
			Bromomethane (Methyl bromide)	100 UJ	ug/L
			Carbon disulfide	100 UJ	ug/L
			Carbon tetrachloride	100 UJ	ug/L
			Chlorobenzene	100 UJ	ug/L
			Chloroethane	100 UJ	ug/L
			Chloroform (Trichloromethane)	100 UJ	ug/L
			Chloromethane (Methyl chloride)	100 UJ	ug/L
			cis-1,2-Dichloroethene	2700 J-	ug/L
			cis-1,3-Dichloropropene	100 UJ	ug/L
			Dibromochloromethane	100 UJ	ug/L
			Ethylbenzene	100 UJ	ug/L
			Methylene chloride	100 UJ	ug/L

Table 4

**Qualified Sample Data Due to Insufficient Sample Preservation
Surface Water and Site-Wide Groundwater Monitoring
RACER Trust - MLK Boulevard Facility
Anderson, Indiana
October 2023**

Parameter	Sample ID	Analyses from an opened VOC vial	Analyte	Qualified Result	Units
			Styrene	100 UJ	ug/L
			Tetrachloroethene	100 UJ	ug/L
			Toluene	100 UJ	ug/L
			trans-1,2-Dichloroethene	170 J-	ug/L
			trans-1,3-Dichloropropene	100 UJ	ug/L
			Trichloroethene	100 UJ	ug/L
			Vinyl chloride	140 J-	ug/L
			Xylenes (total)	100 UJ	ug/L

Notes:

VOCs

- Volatile Organic Compounds

J-

- Estimated concentration; the sample result may be biased low.

UJ

- Not detected; associated reporting limit is estimated

Table 5

Qualified Sample Data Due to Variability in Field Duplicate Results
Surface Water and Site-Wide Groundwater Monitoring
RACER Trust - MLK Boulevard Facility
Anderson, Indiana
October 2023

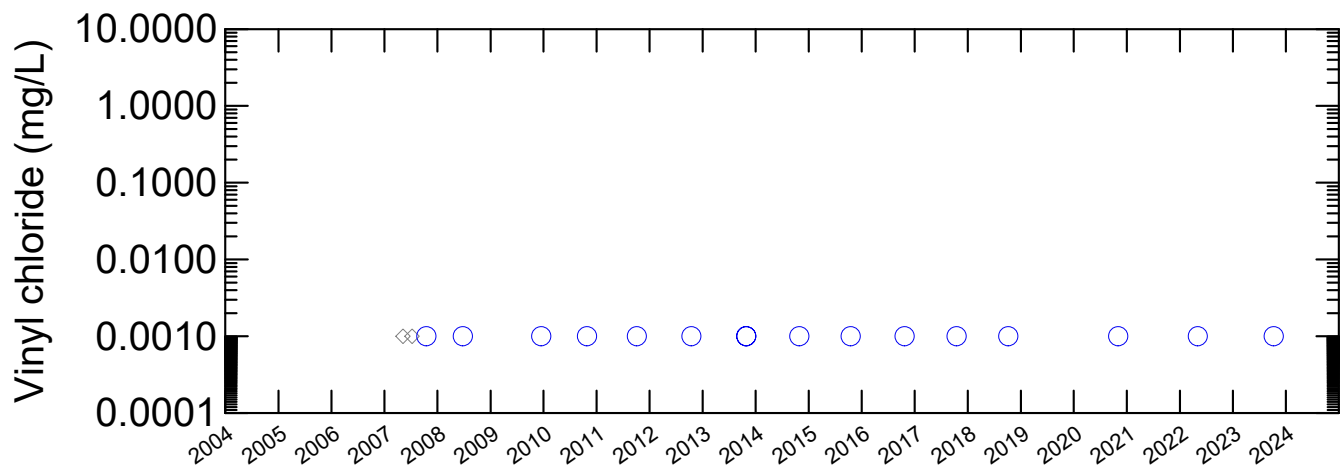
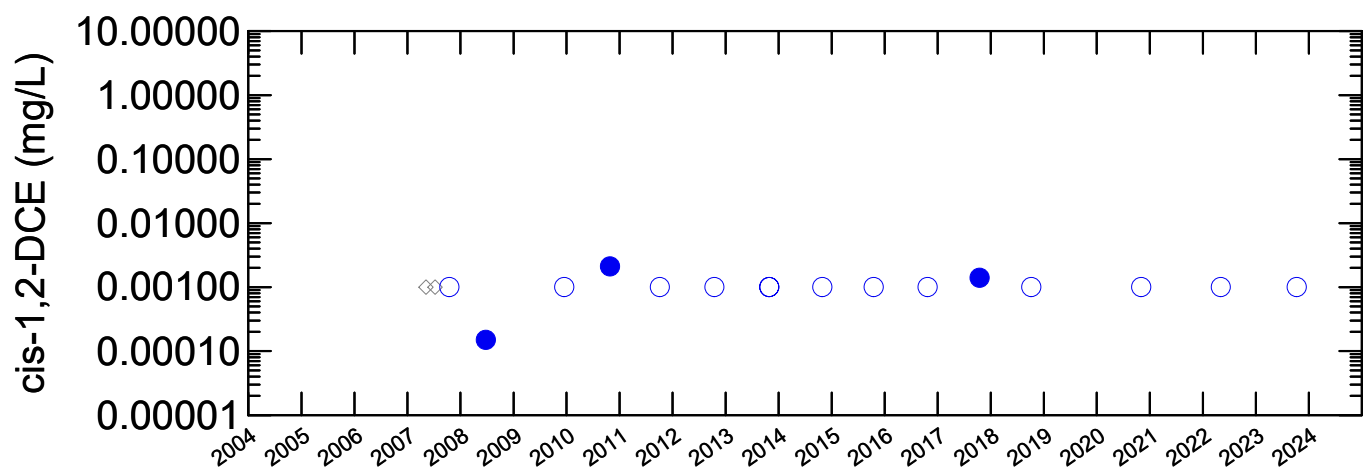
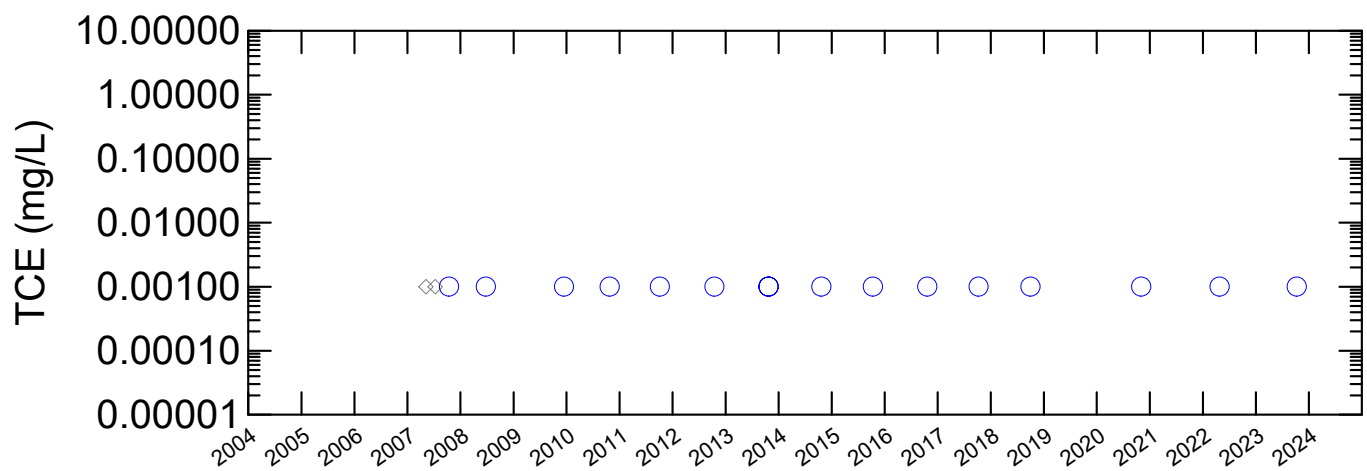
Parameter	Analyte	RPD/Diff	Sample ID	Qualified Result	Field Duplicate Sample ID	Qualified Result	Units
VOCs	1,1-Dichloroethane	Diff = 6.4	SW-101123-BE-001	4.6 J	SW-101123-BE-002	11 J	ug/L
	cis-1,2-Dichloroethene	RPD=81		110 J		260 J	ug/L
	Vinyl Chloride	Diff = 7.5		7.5 J		15 J	ug/L

Notes:

- Diff - Difference (i.e., >1X RL for waters)
- RPD - Relative Percent Difference
- VOCs - Volatile Organic Compounds
- J - Estimated concentration

Appendix C

Groundwater Data Analysis Tables and Concentration vs. Time Graphs



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- ◆ Result removed from calculations due to different sampling frequency.

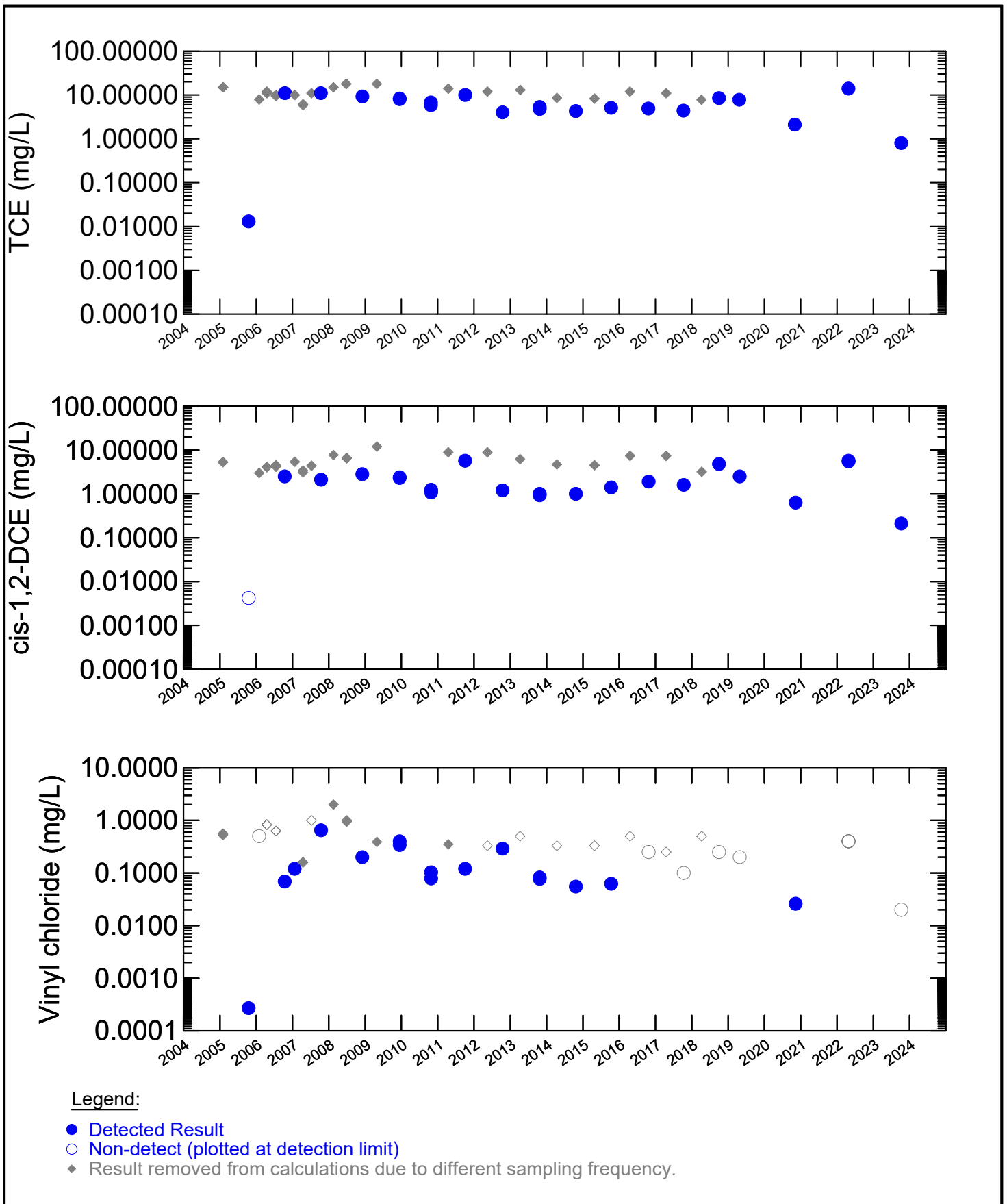


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**2023 GROUNDWATER MONITORING REPORT
ANALYTE CONCENTRATION vs. TIME**

Project No. **11209506**
Date: **Dec 22, 2022**

WELL MW-2

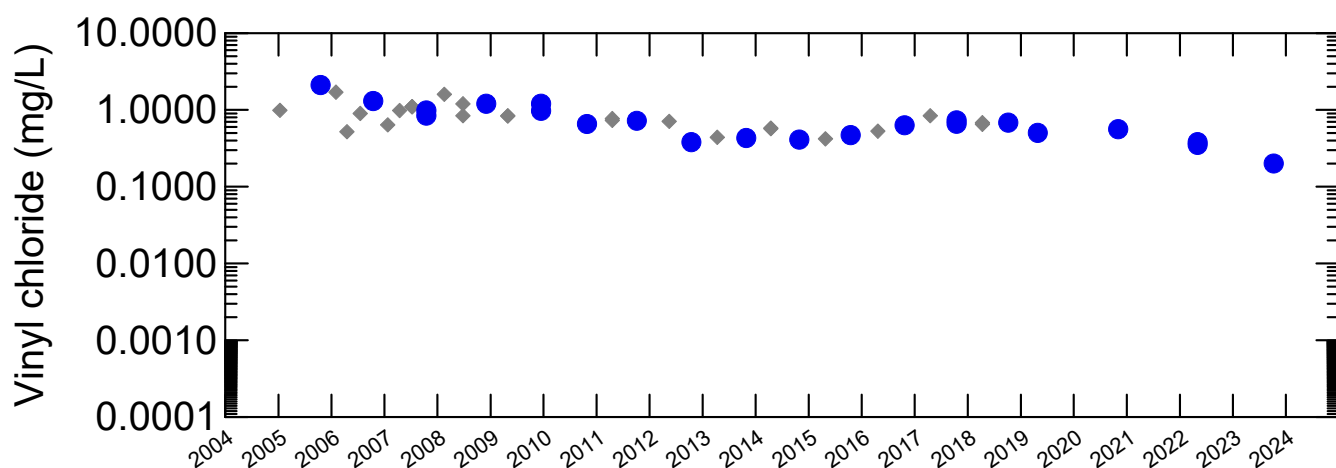
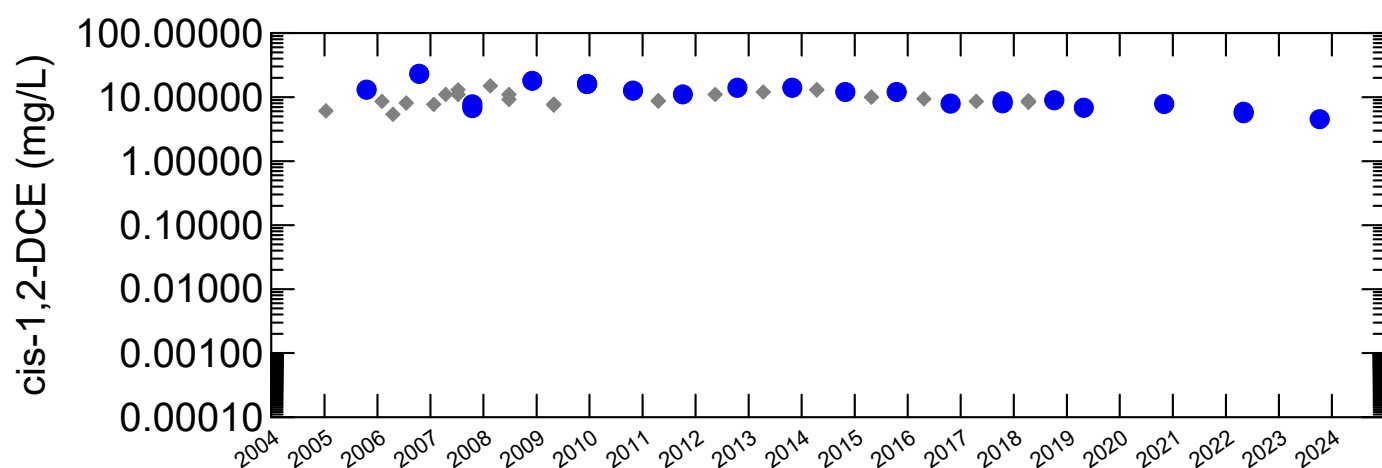
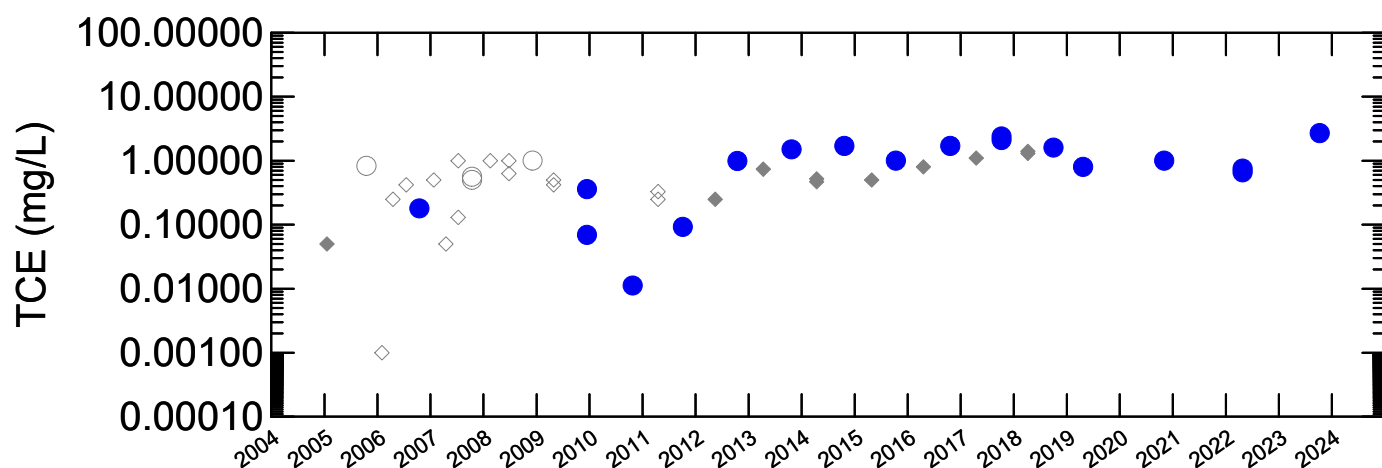


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ANALYTE CONCENTRATION vs. TIME**

Project No. **11209506**
Date: **Dec 22, 2022**

WELL MW 3



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- ◆ Result removed from calculations due to different sampling frequency.
- Non-detect removed due to high detection limits.

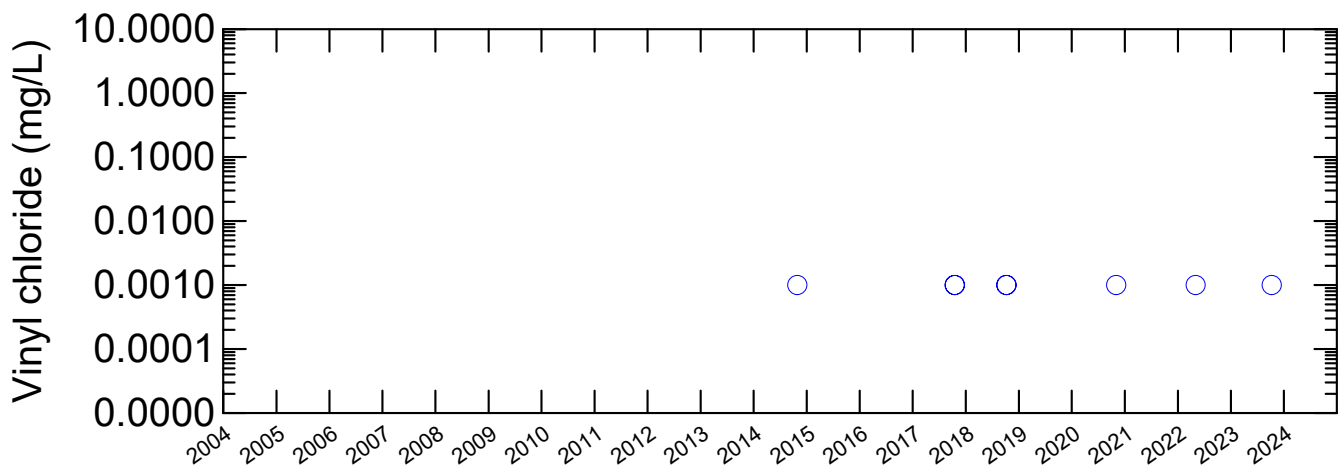
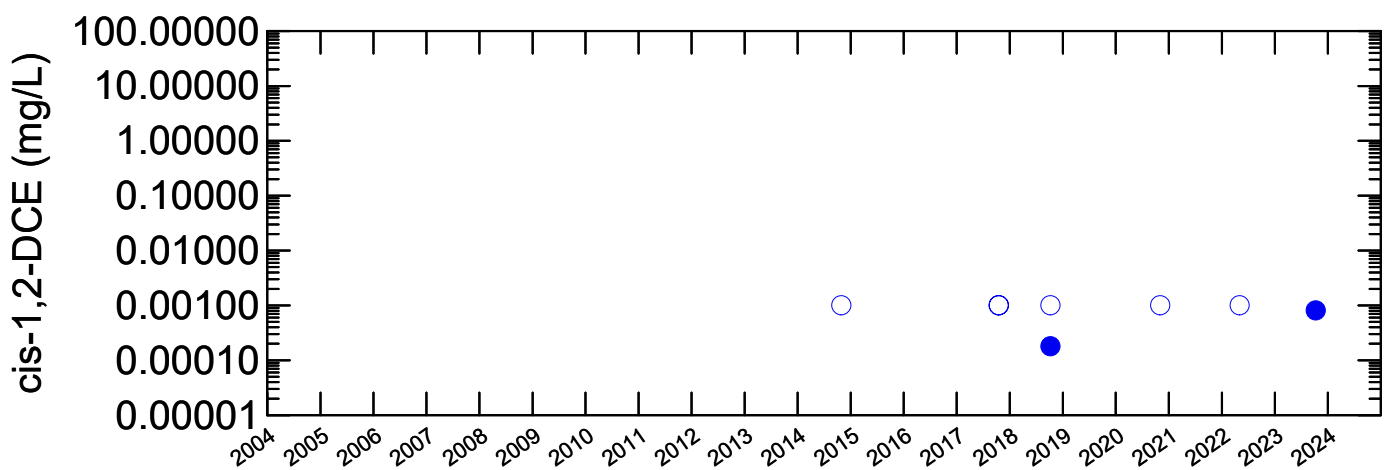
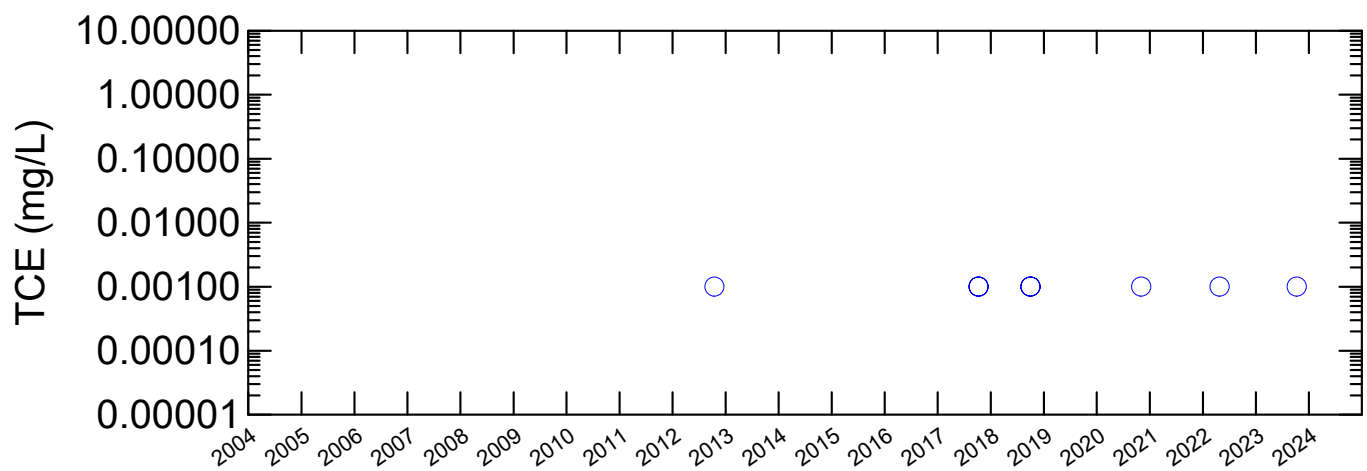


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**2023 GROUNDWATER MONITORING REPORT
ANALYTE CONCENTRATION vs. TIME**

Project No. **11209506**
Date: **Dec 22, 2022**

WELL MW-4



Legend:

- Detected Result
- Non-detect (plotted at detection limit)

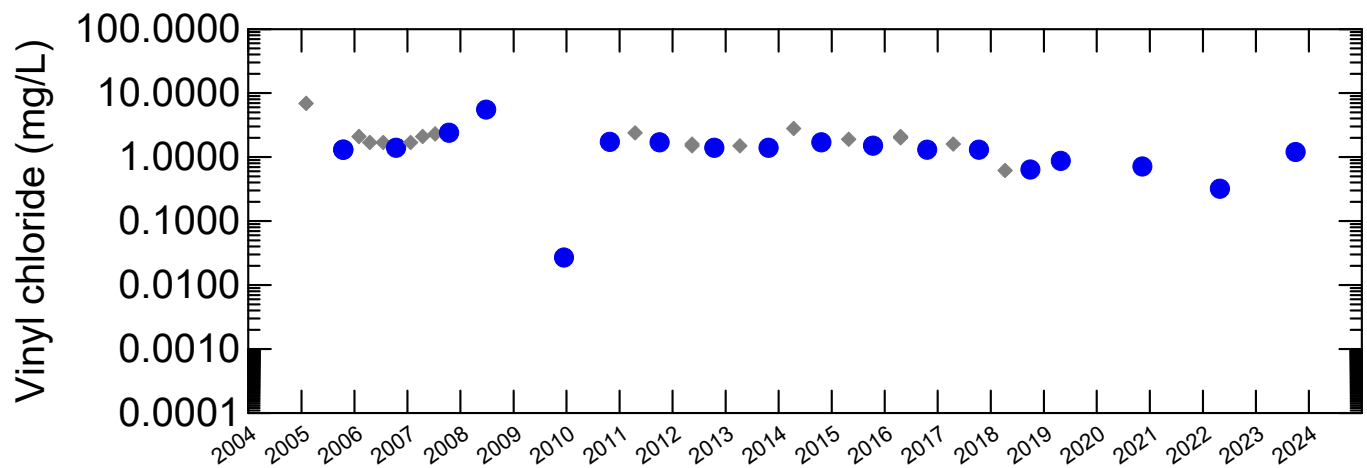
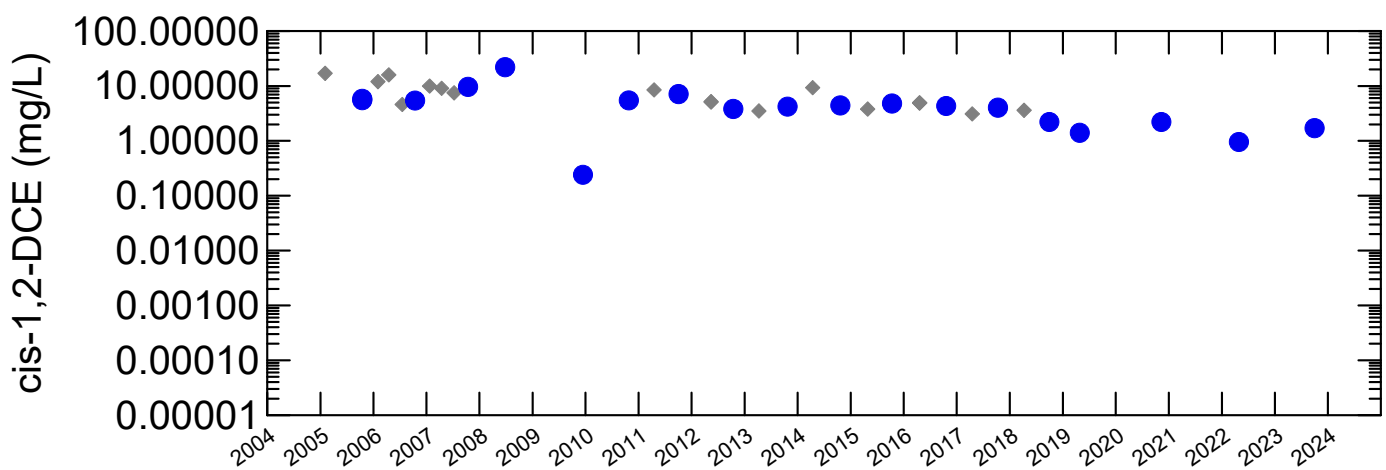
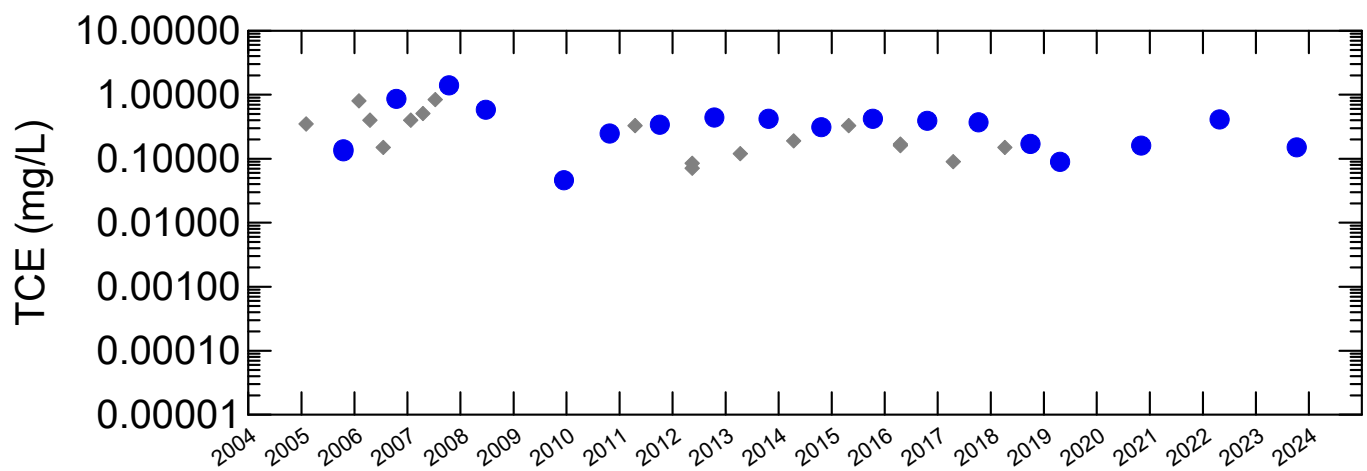


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**2023 GROUNDWATER MONITORING REPORT
ANALYTE CONCENTRATION vs. TIME**

Project No. **11209506**
Date: **Dec 22, 2022**

WELL MW-7



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- ◆ Result removed from calculations due to different sampling frequency.

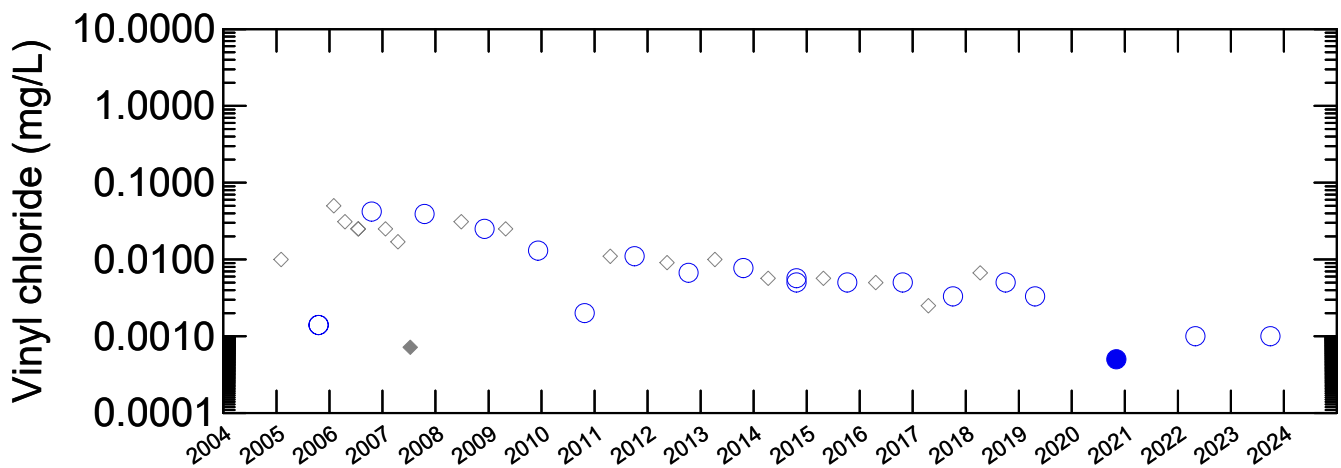
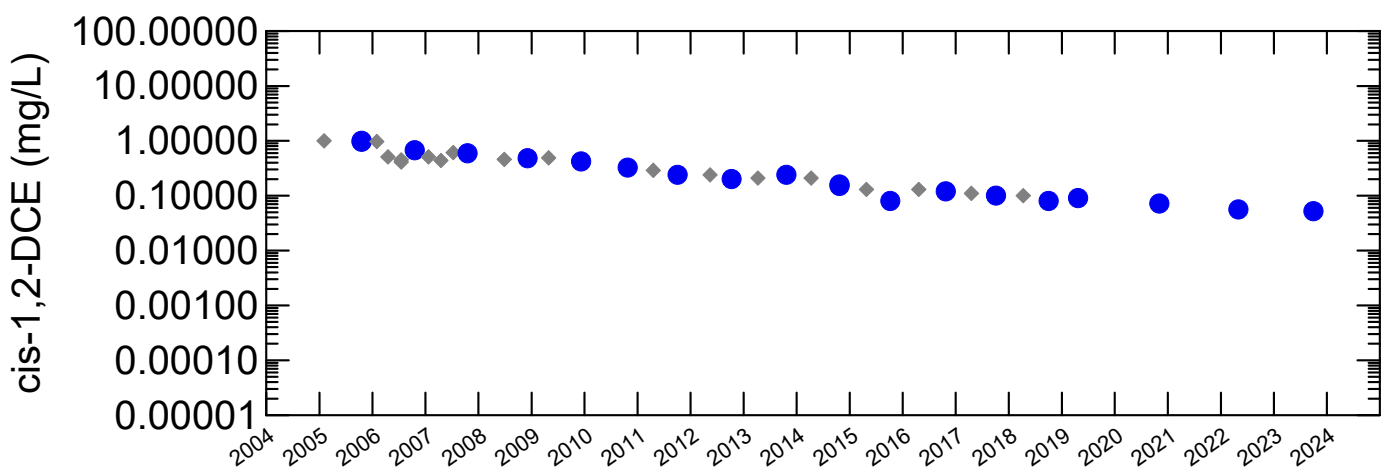
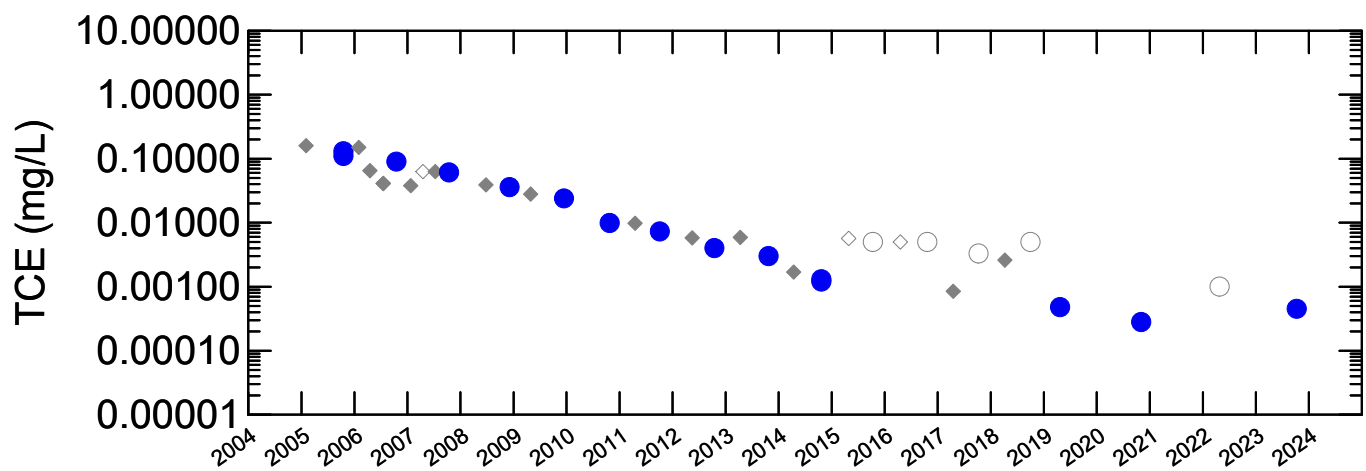


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**2023 GROUNDWATER MONITORING REPORT
ANALYTE CONCENTRATION vs. TIME**

Project No. **11209506**
Date: **Dec 22, 2022**

WELL MW 8



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- ◆ Result removed from calculations due to different sampling frequency.
- Non-detect removed due to high detection limits.

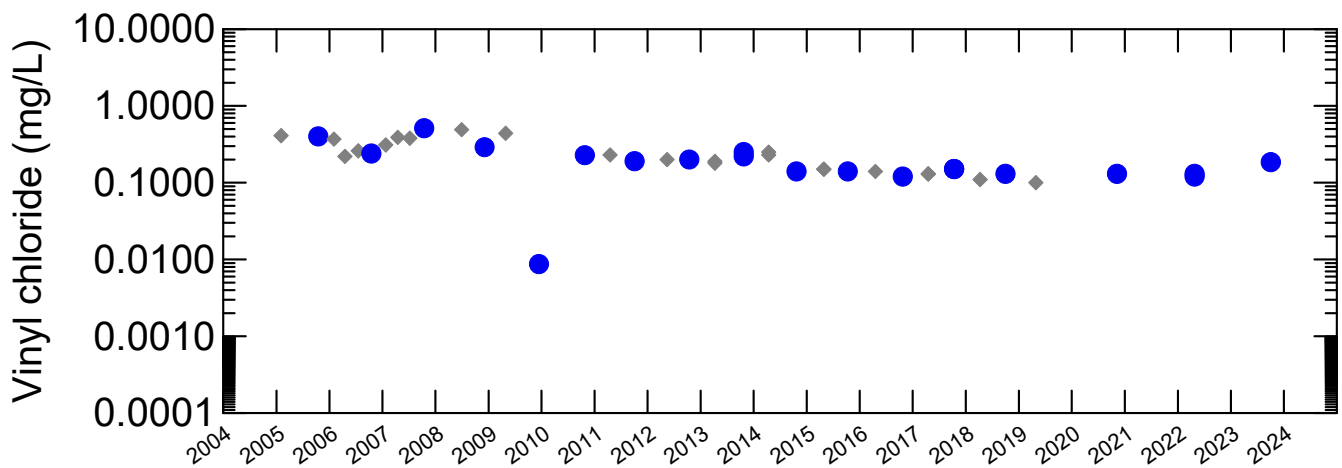
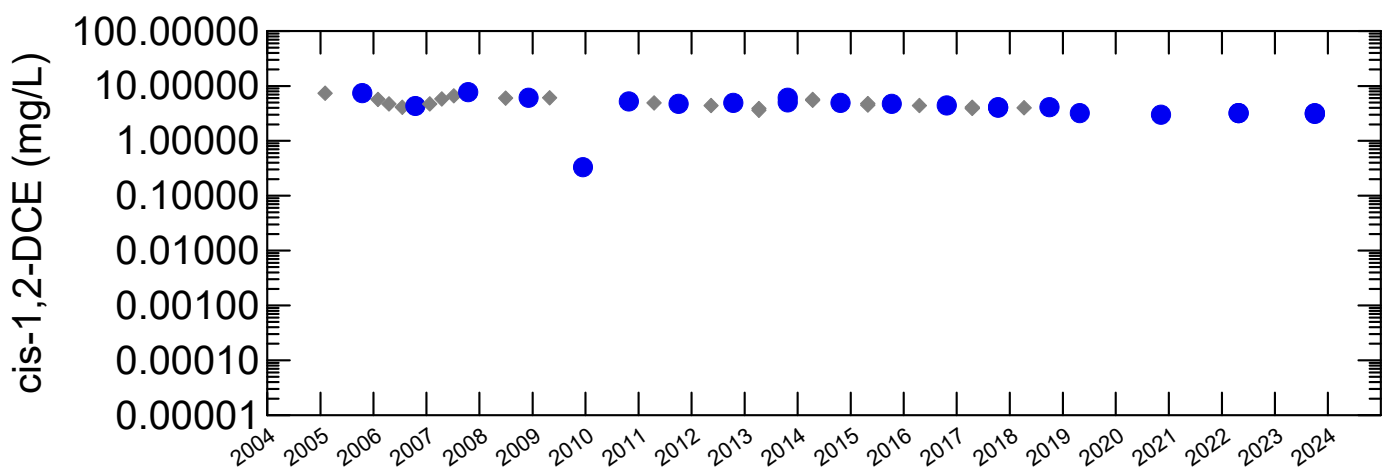
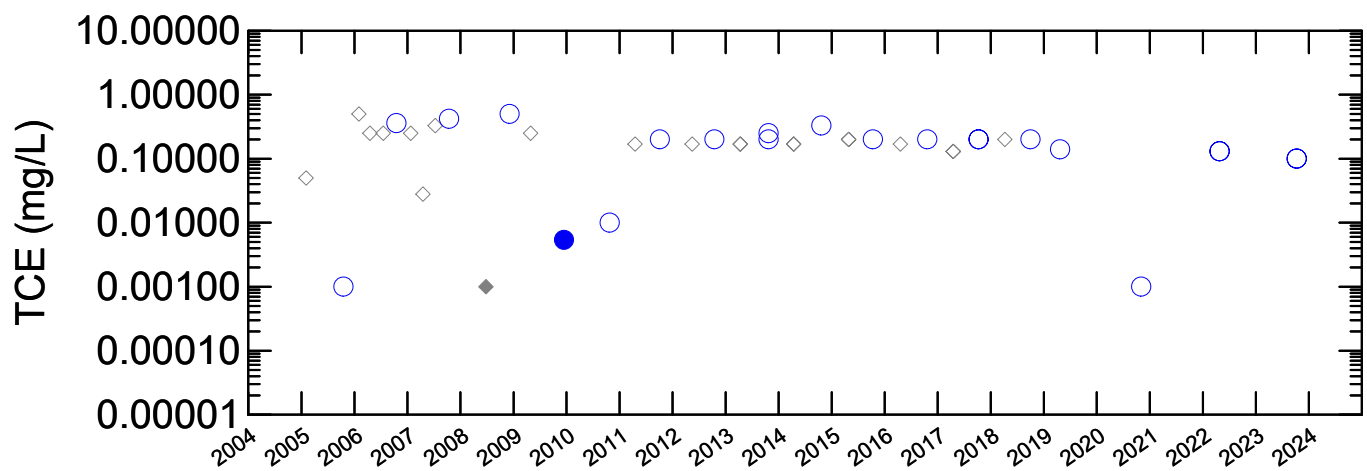


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2023 GROUNDWATER MONITORING REPORT
ANALYTE CONCENTRATION vs. TIME

Project No. **11209506**
Date: **Dec 22, 2022**

WELL MW 12



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- ◆ Result removed from calculations due to different sampling frequency.

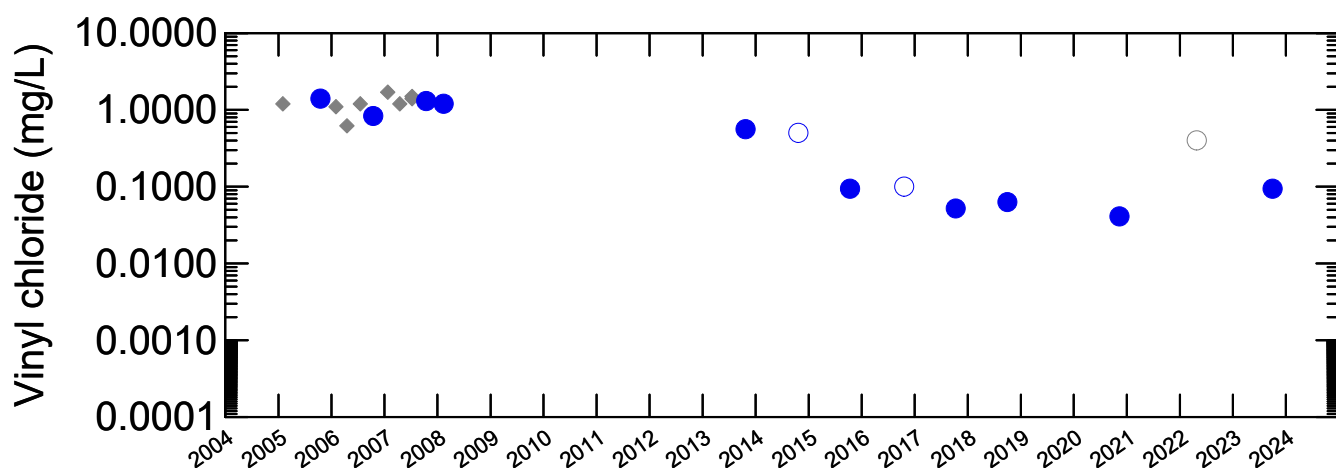
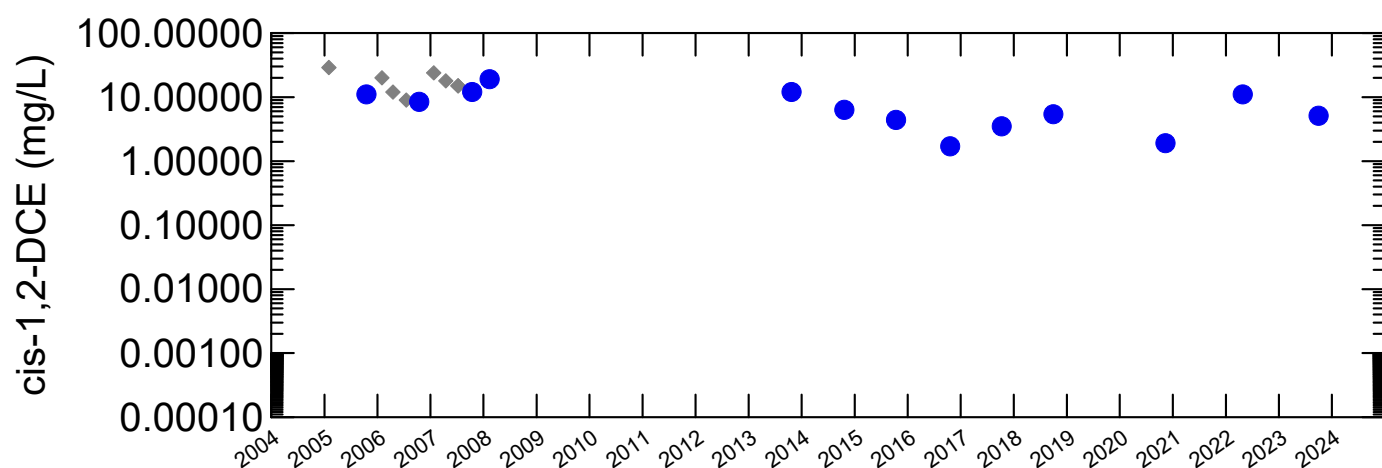
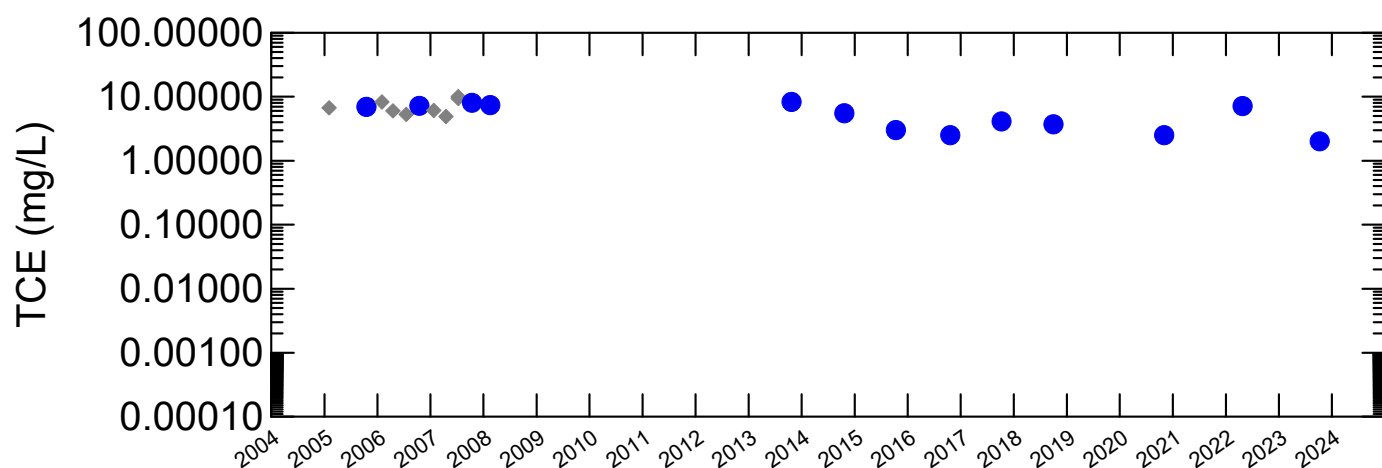


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**2023 GROUNDWATER MONITORING REPORT
ANALYTE CONCENTRATION vs. TIME**

Project No. **11209506**
Date: **Dec 22, 2022**

WELL MW 14



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- ◆ Result removed from calculations due to different sampling frequency.
- Non-detect removed due to high detection limits.

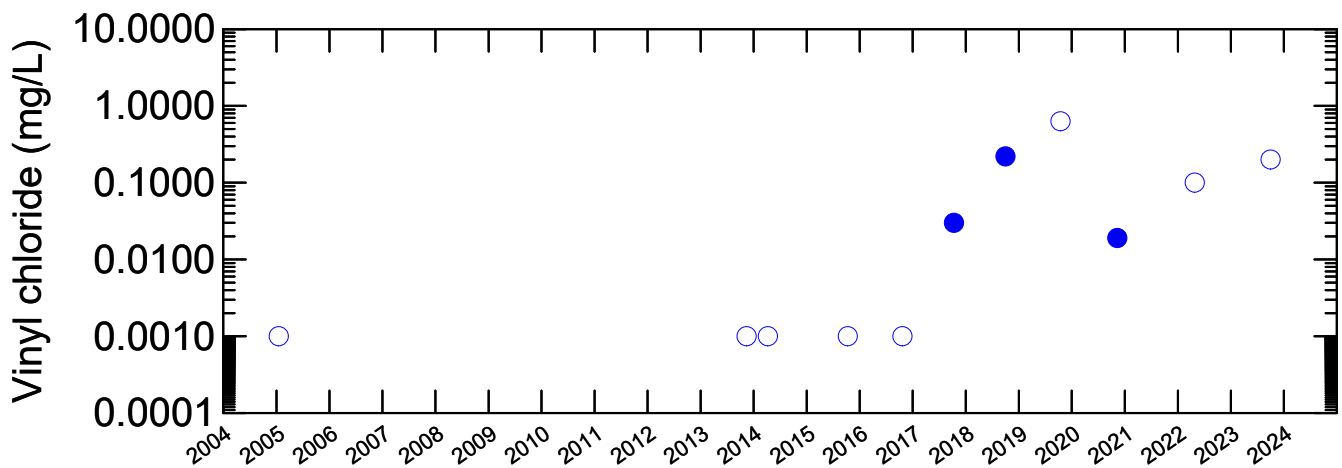
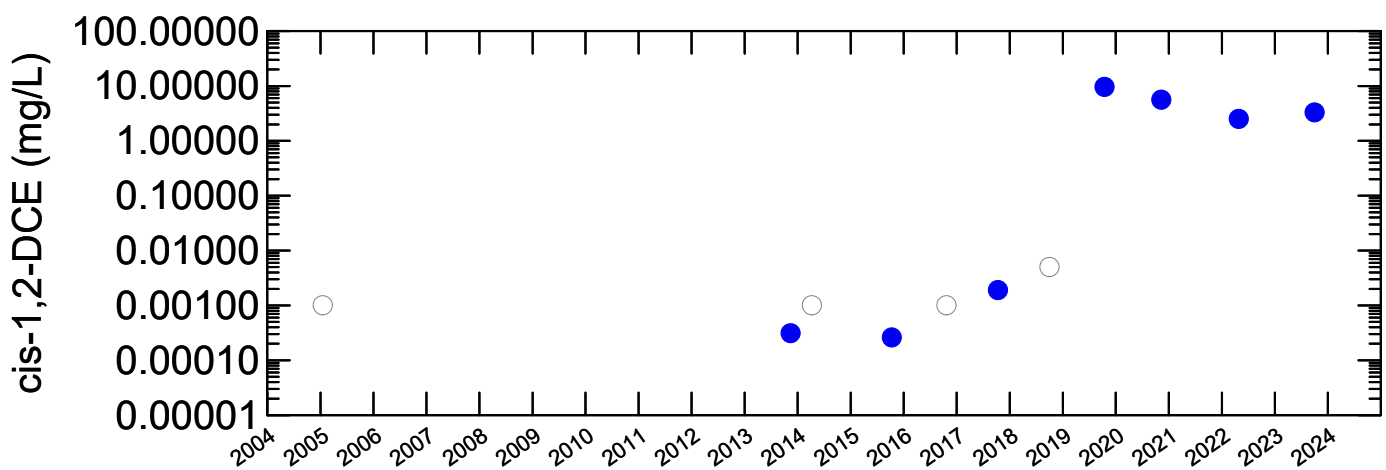
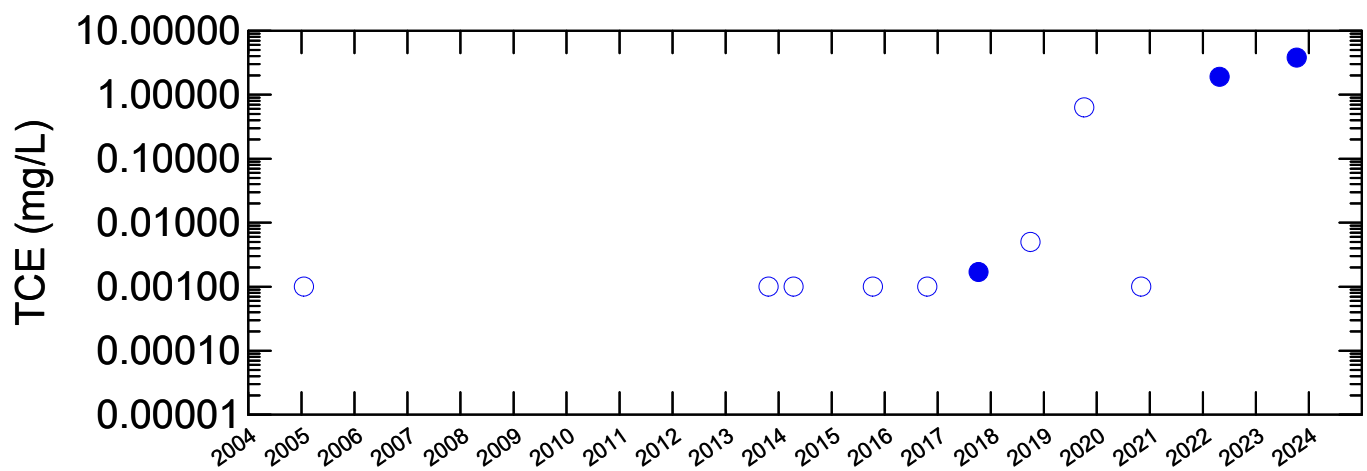


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**2023 GROUNDWATER MONITORING REPORT
ANALYTE CONCENTRATION vs. TIME**

Project No. **11209506**
Date: **Dec 22, 2022**

WELL MW 15



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- ◆ Result removed from calculations due to different sampling frequency.
- Non-detect removed due to high detection limits.

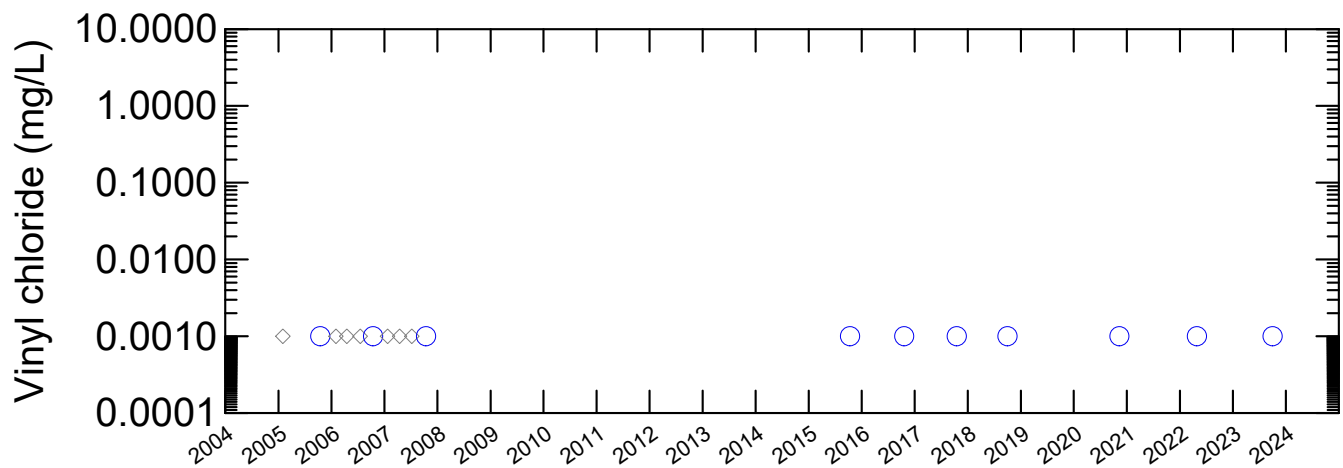
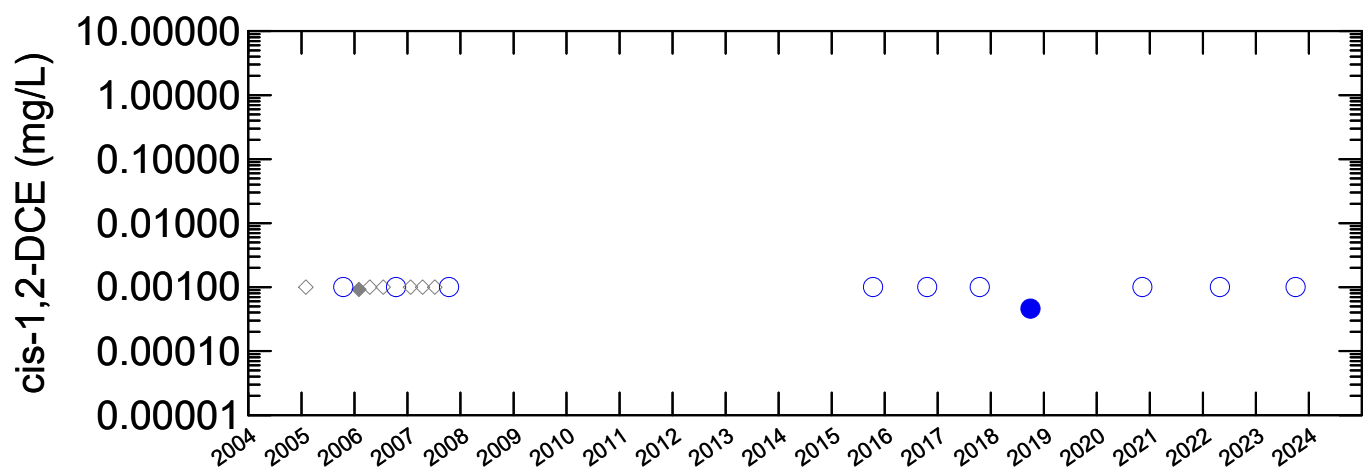
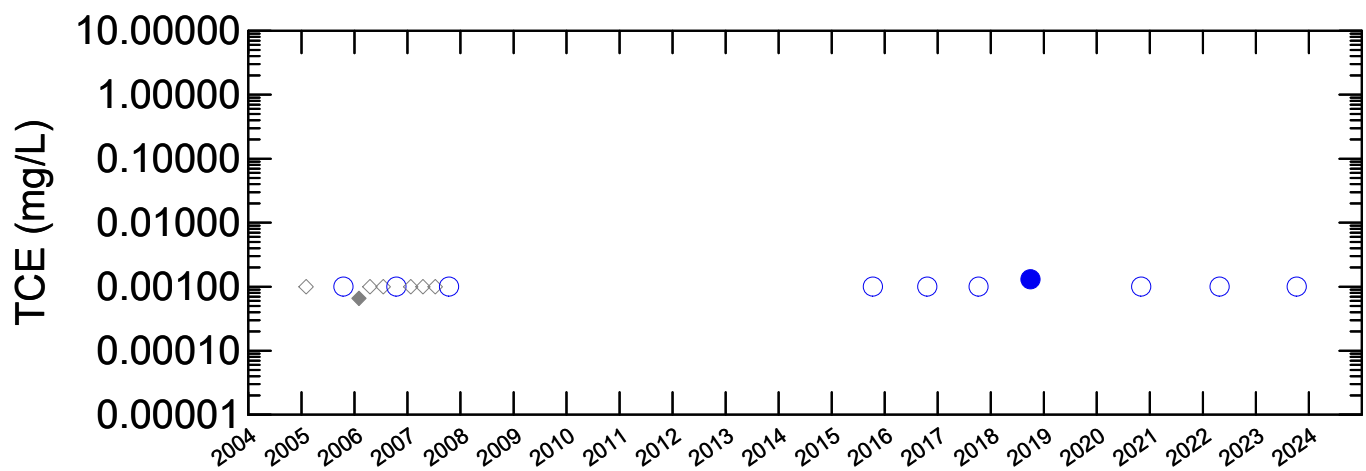


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WELL MW 16



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- ◆ Result removed from calculations due to different sampling frequency.

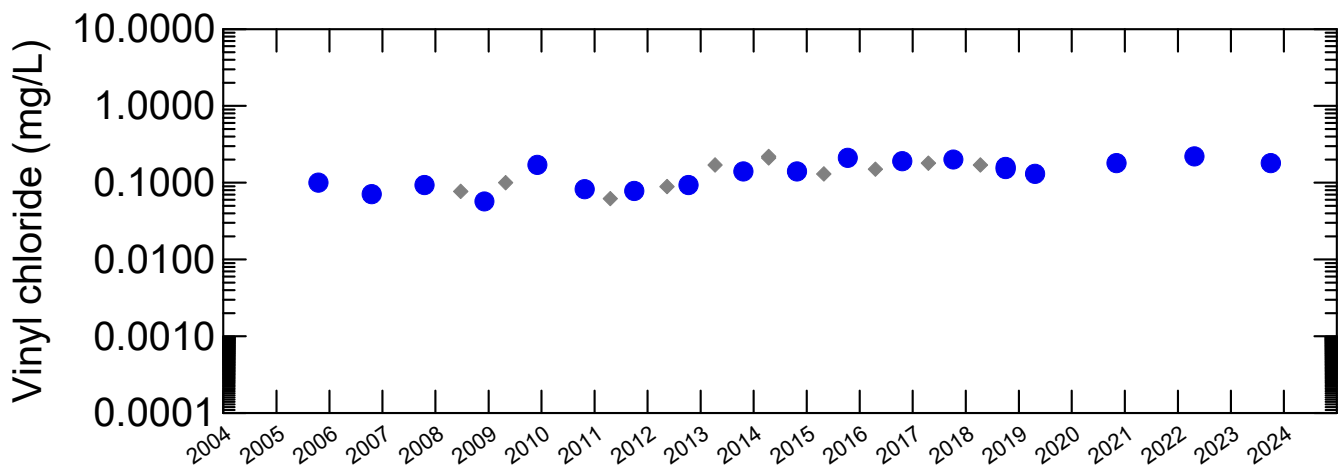
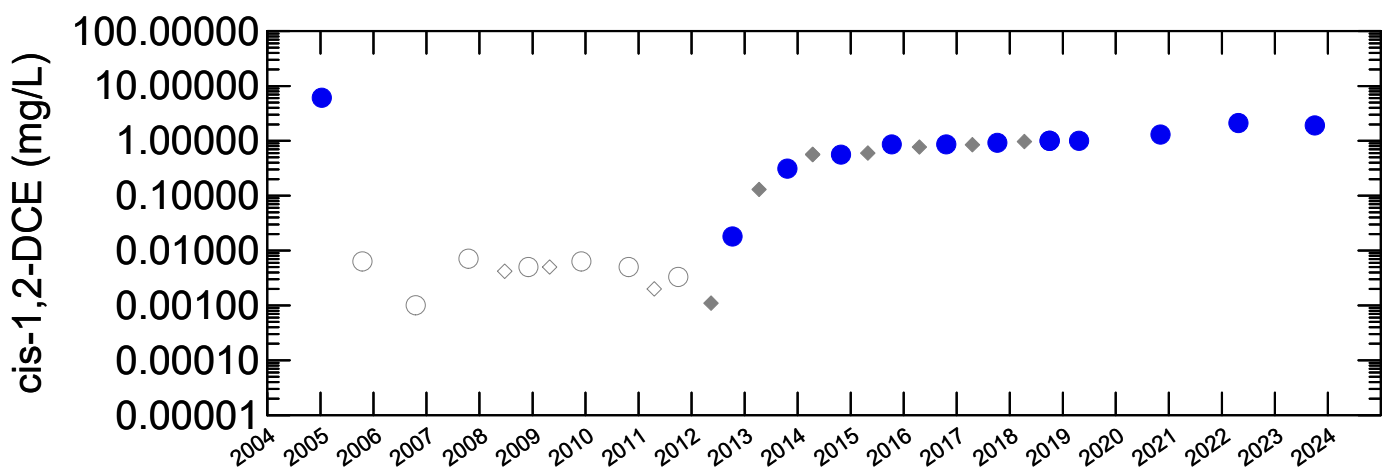
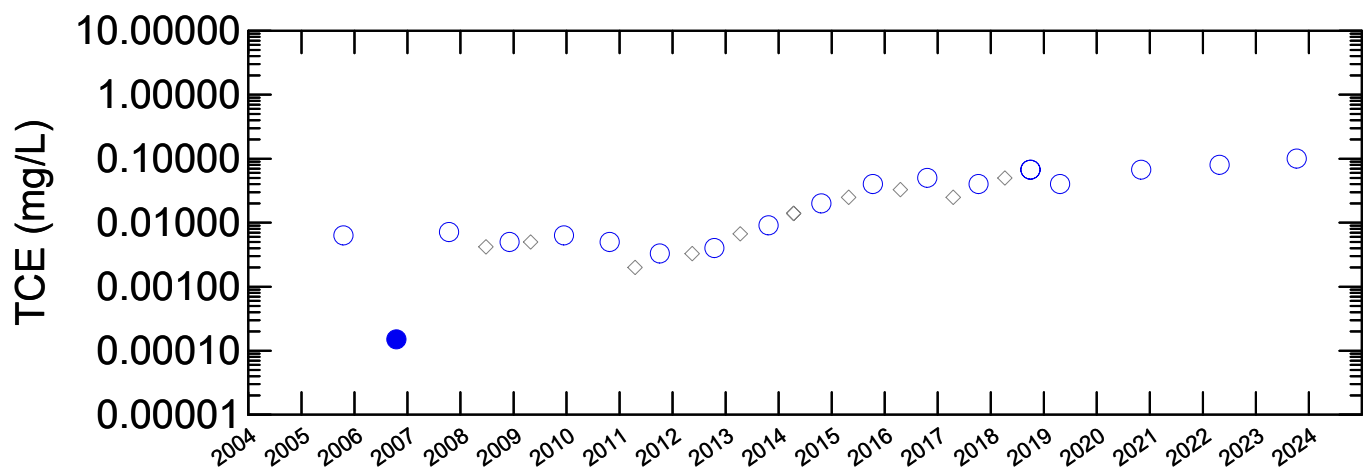


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WELL MW 21



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- ◆ Result removed from calculations due to different sampling frequency.
- Non-detect removed due to high detection limits.

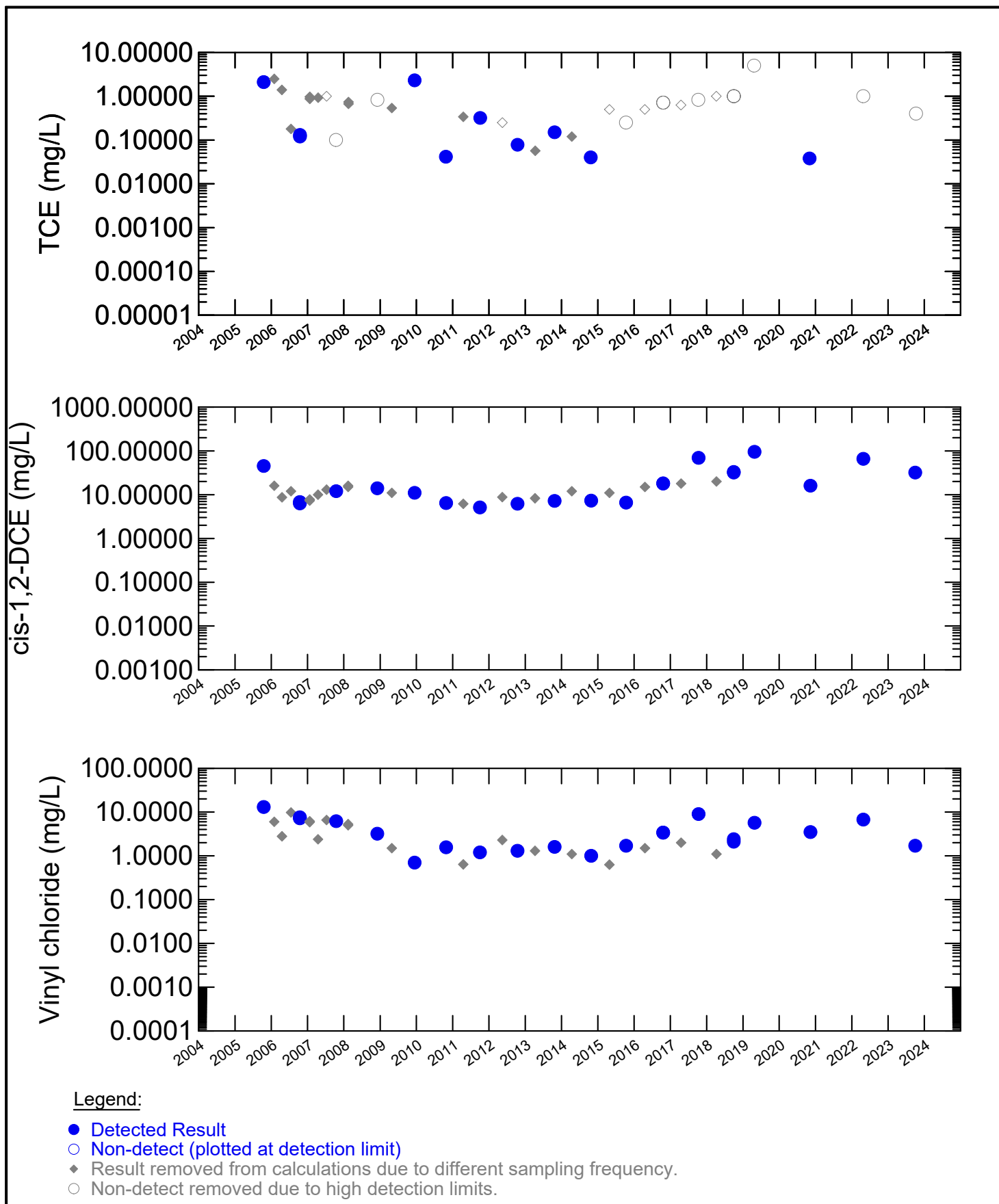


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WELL MW 28

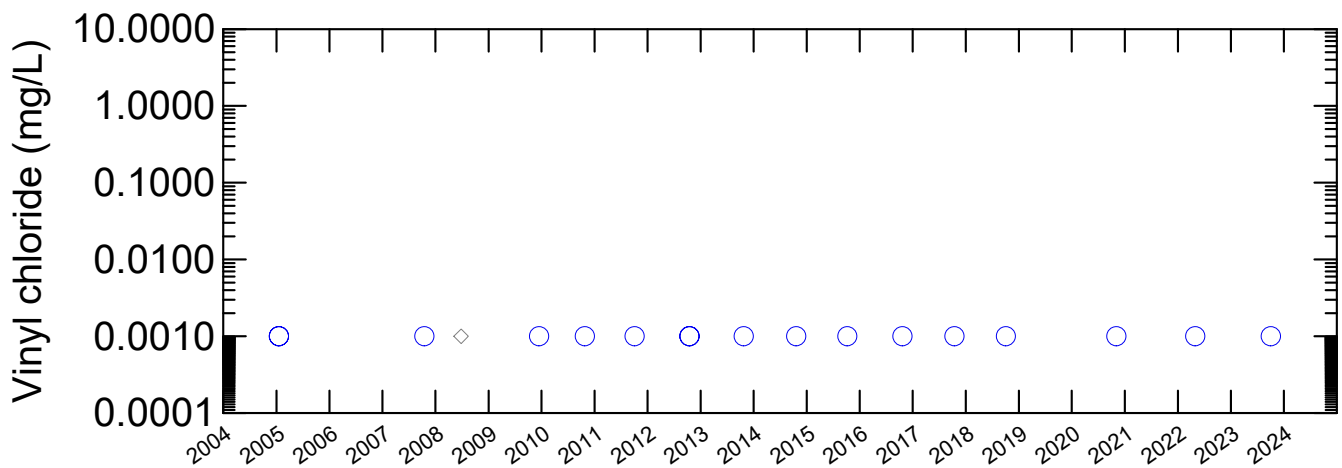
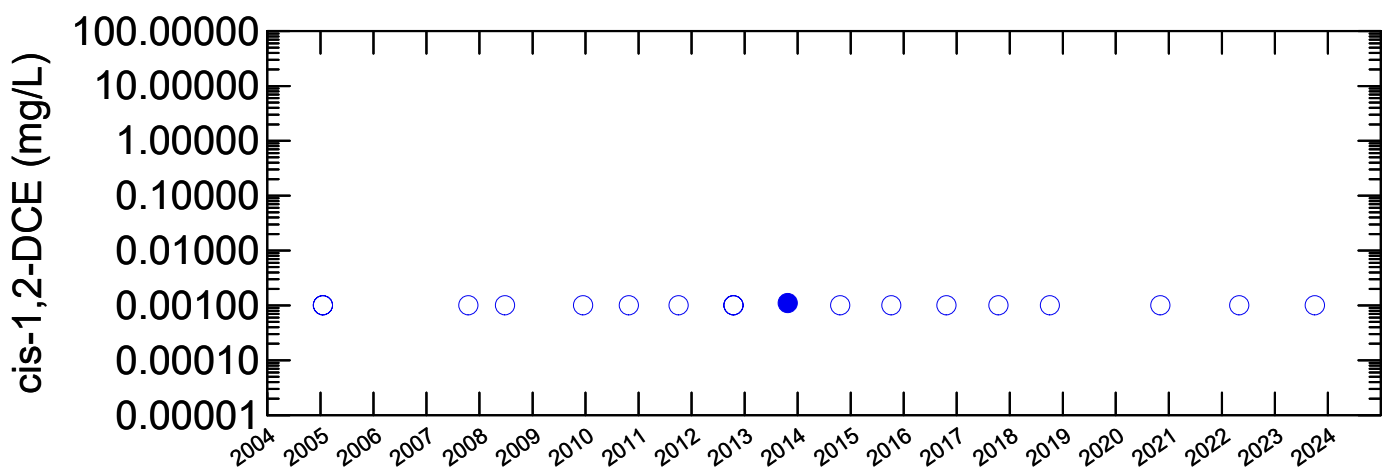
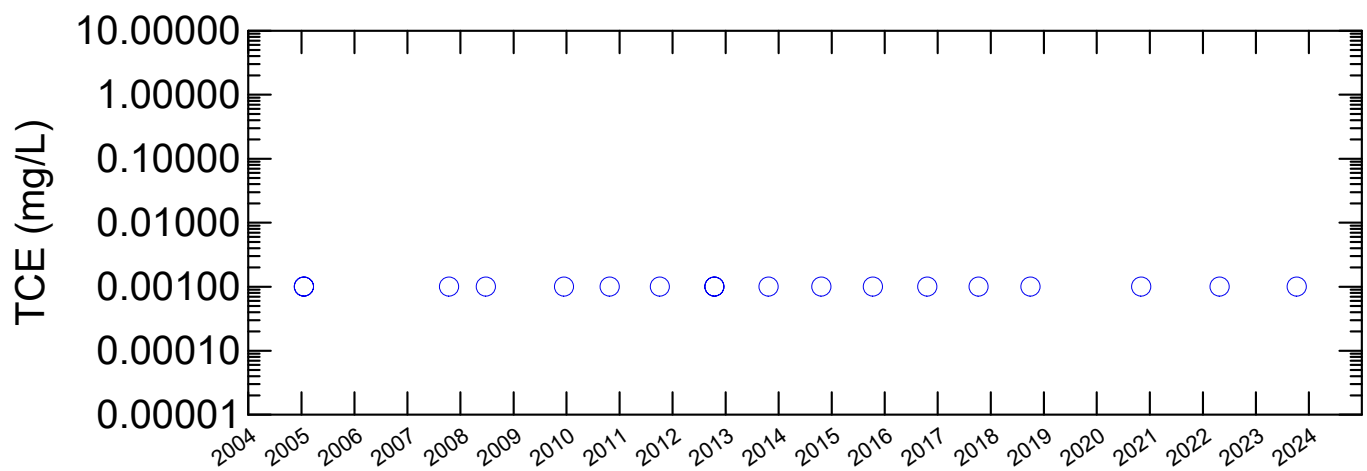


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WELL MW 31R



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- ◆ Result removed from calculations due to different sampling frequency.

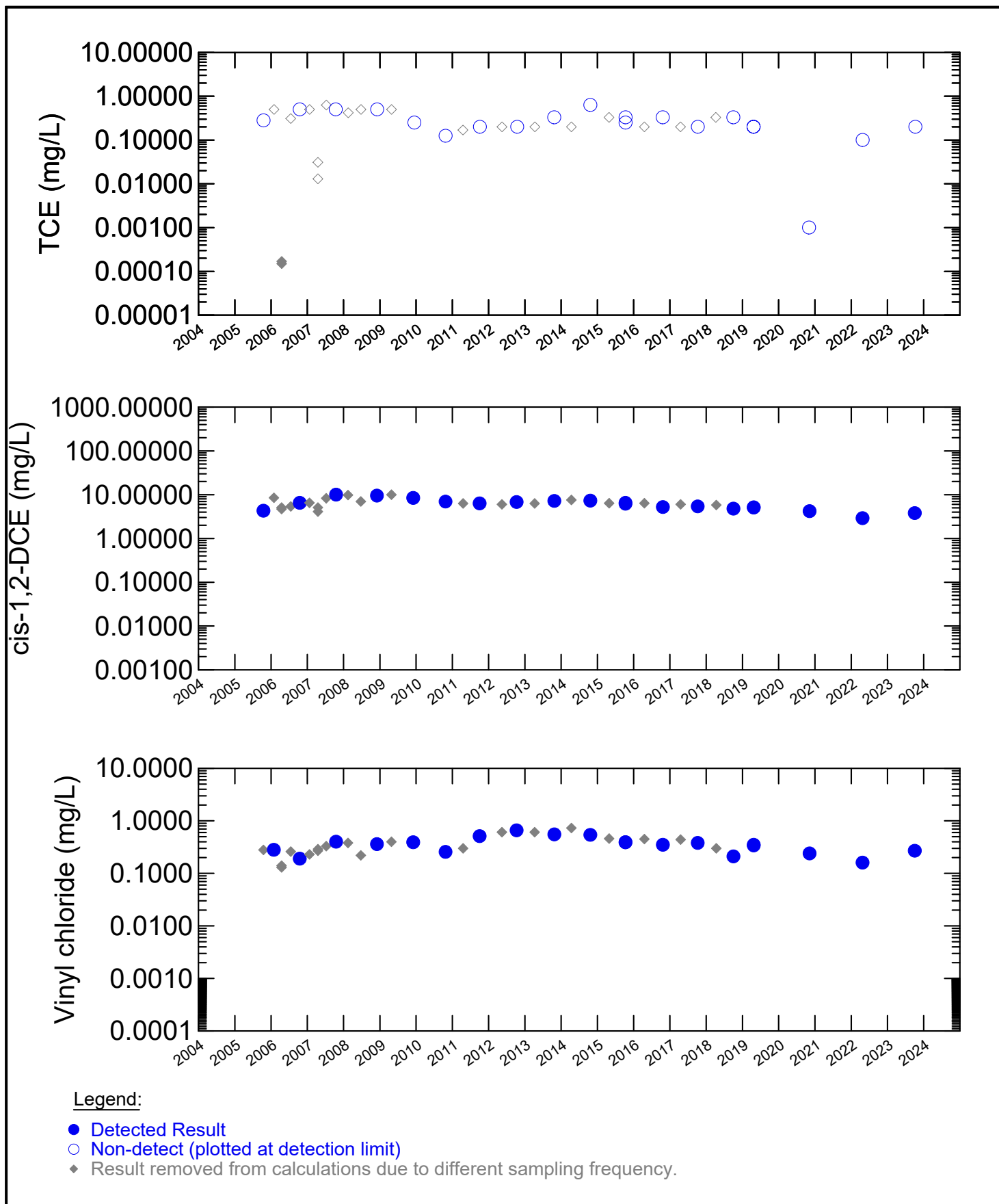


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WELL MW 37

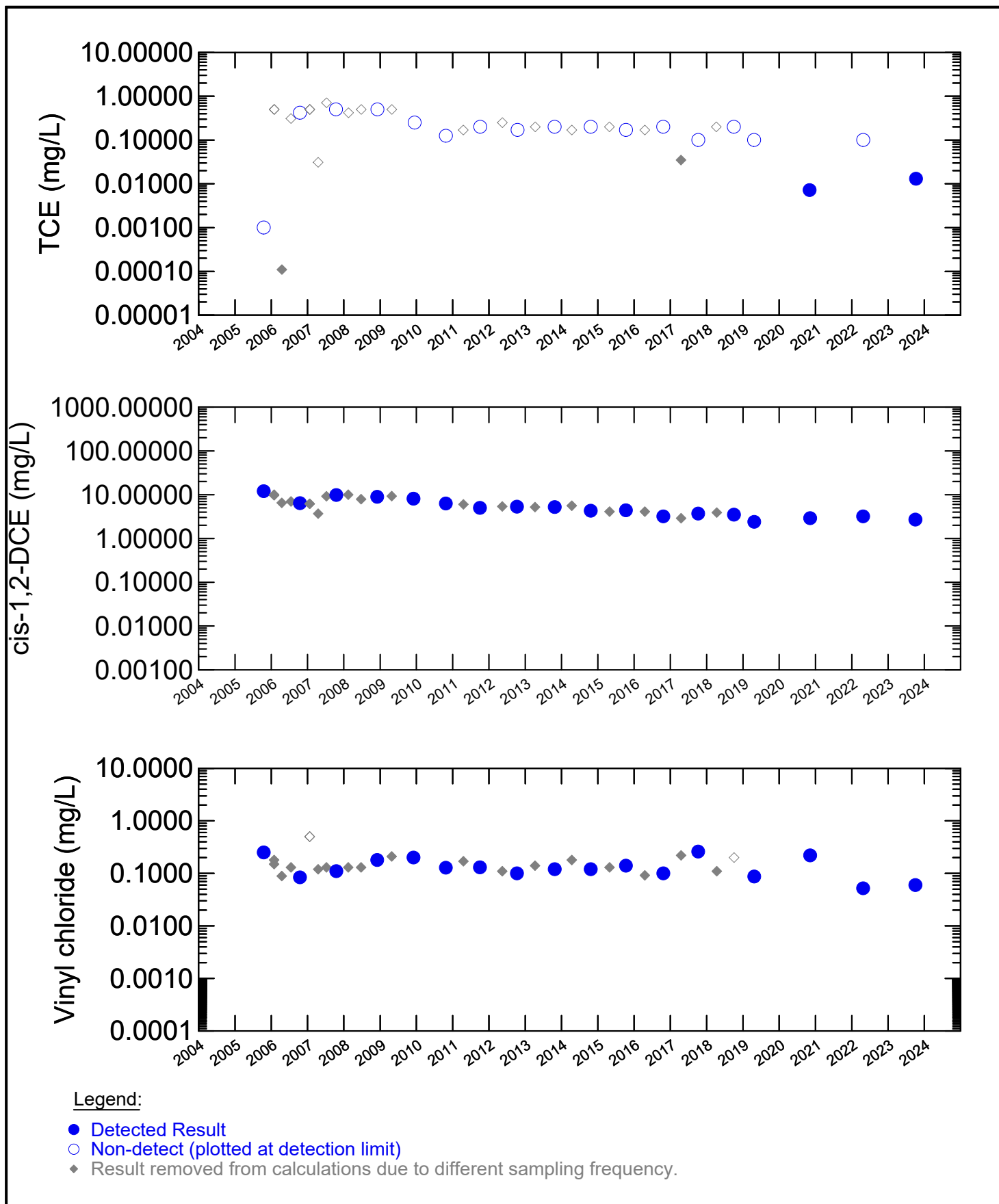


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WELL MW 41

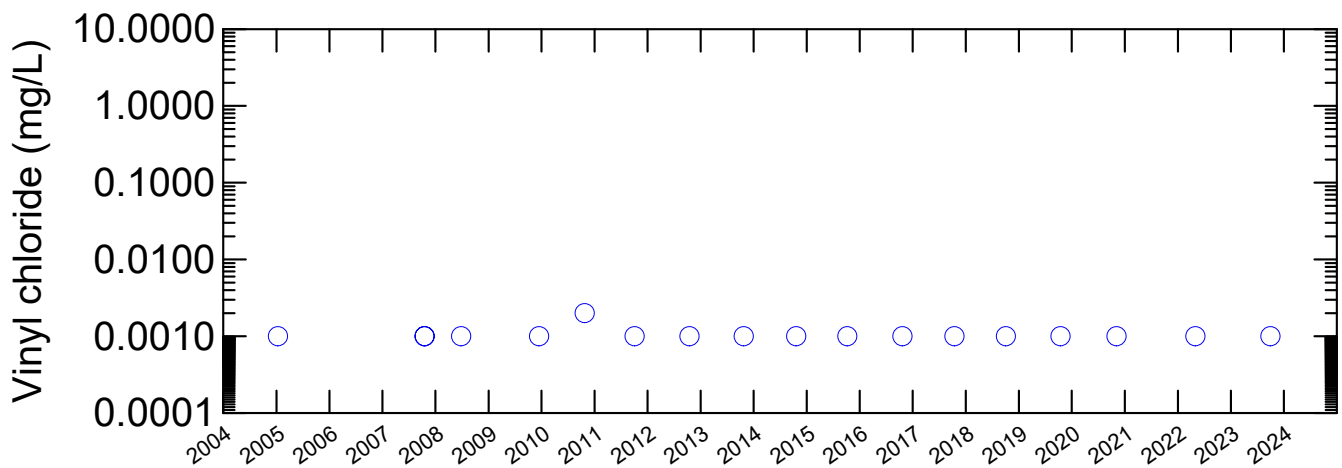
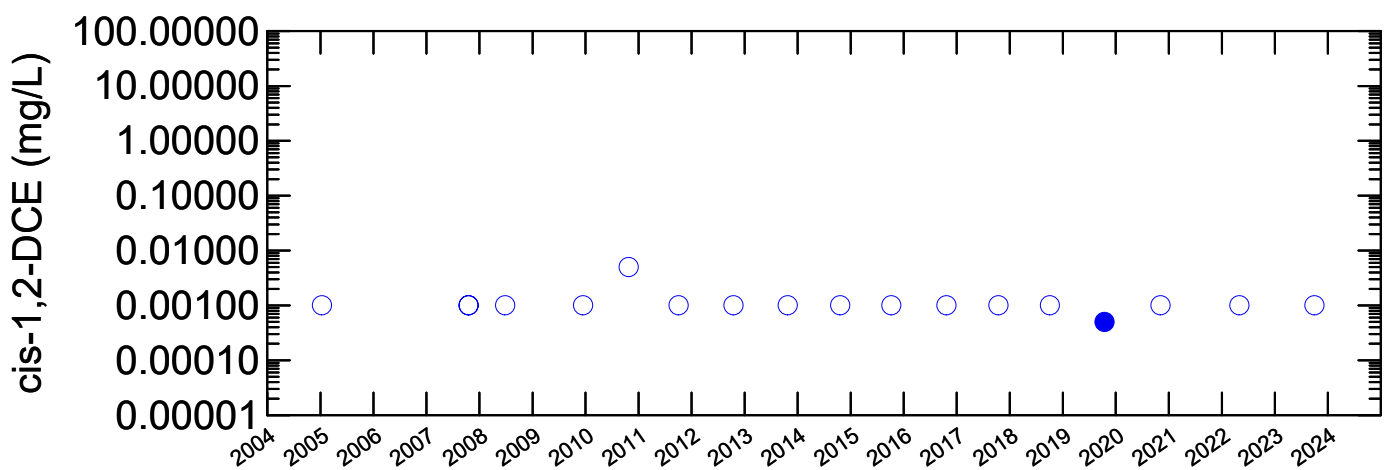
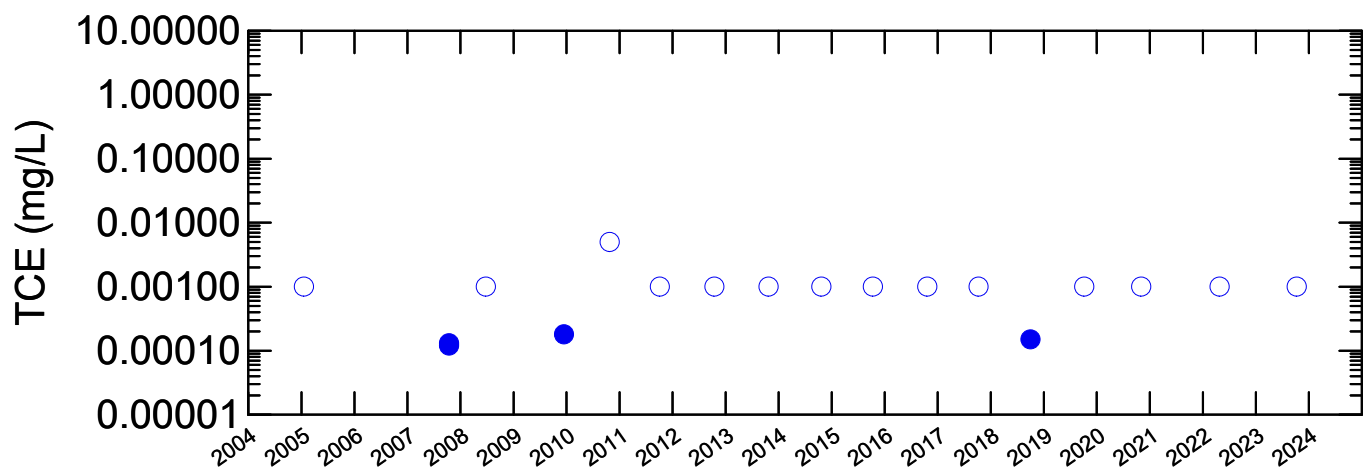


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WELL MW 42



Legend:

- Detected Result
- Non-detect (plotted at detection limit)

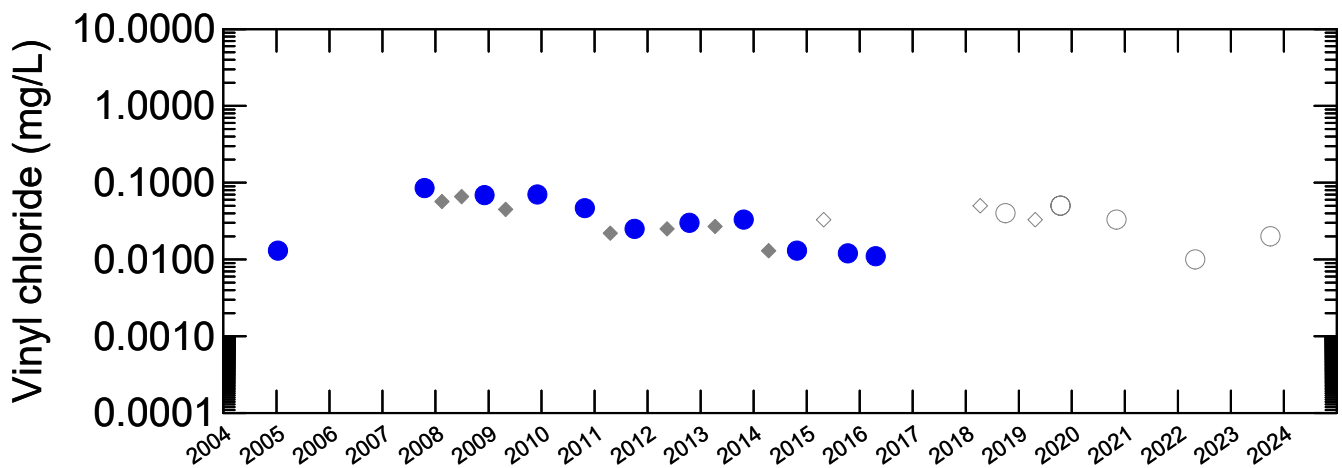
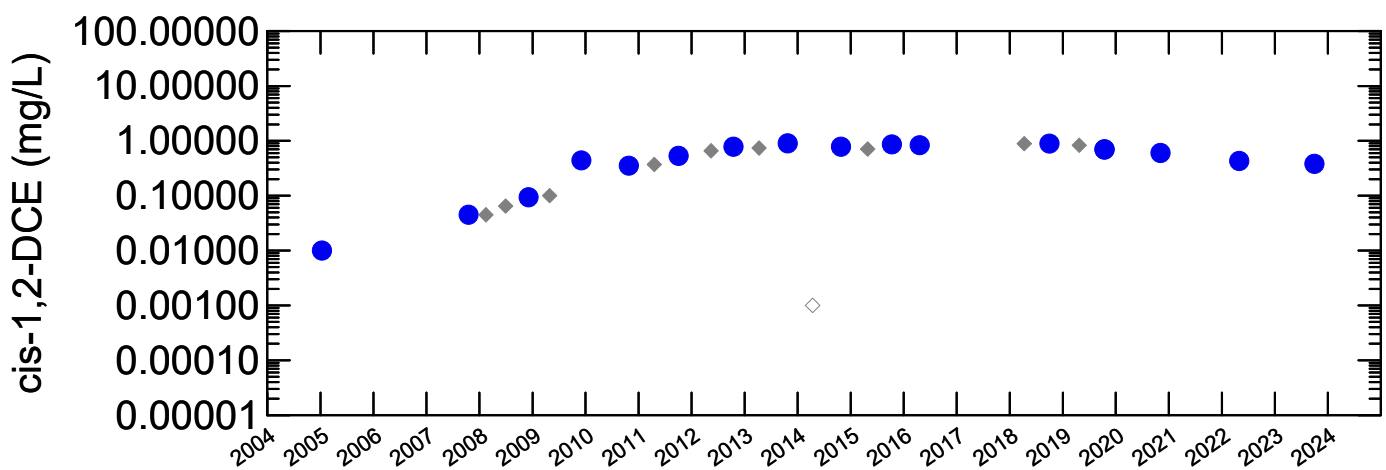
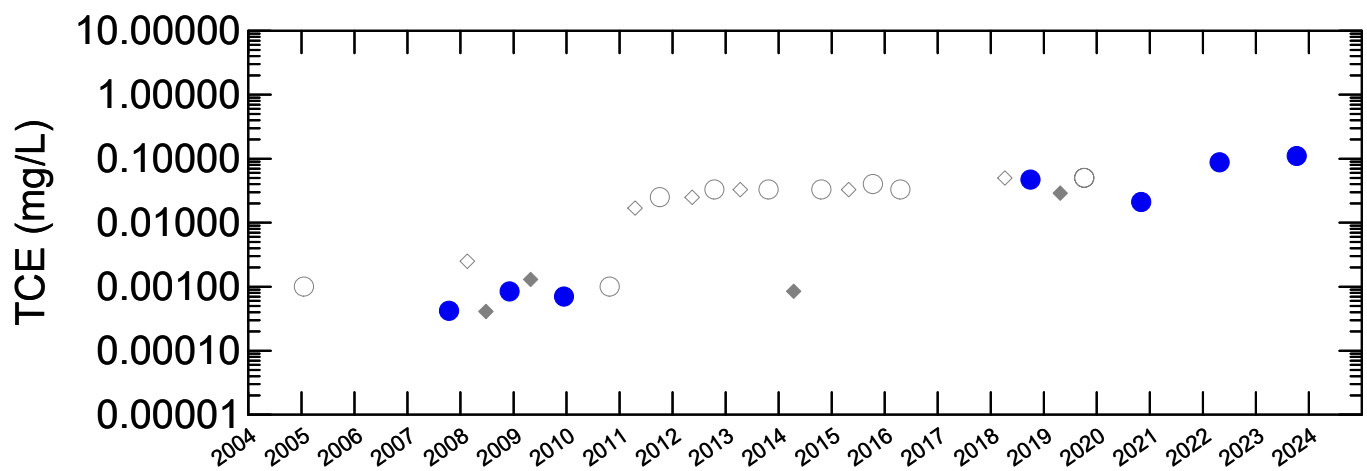


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WELL MW 46



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- ◆ Result removed from calculations due to different sampling frequency.
- Non-detect removed due to high detection limits.

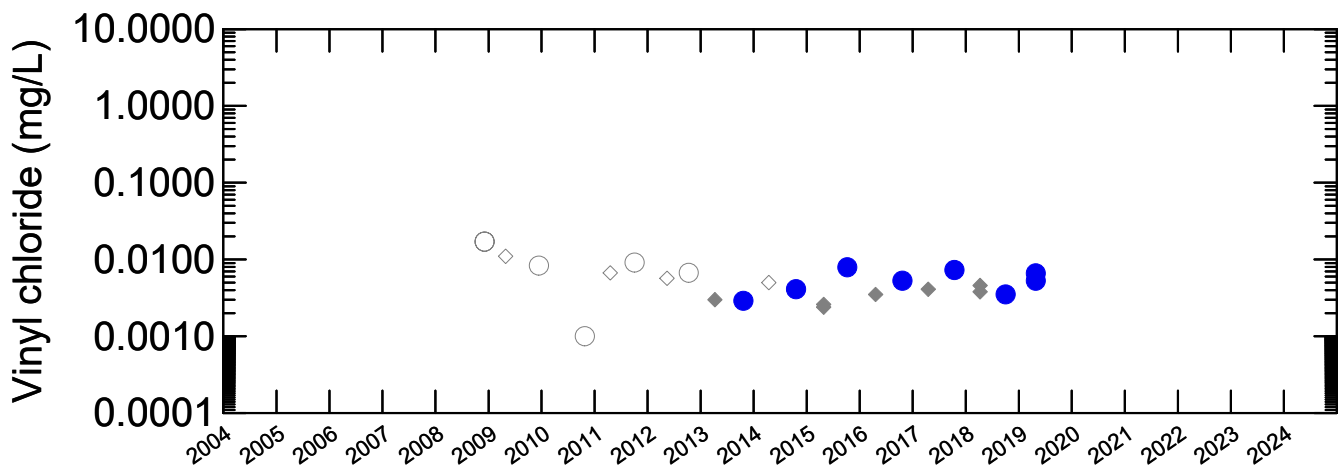
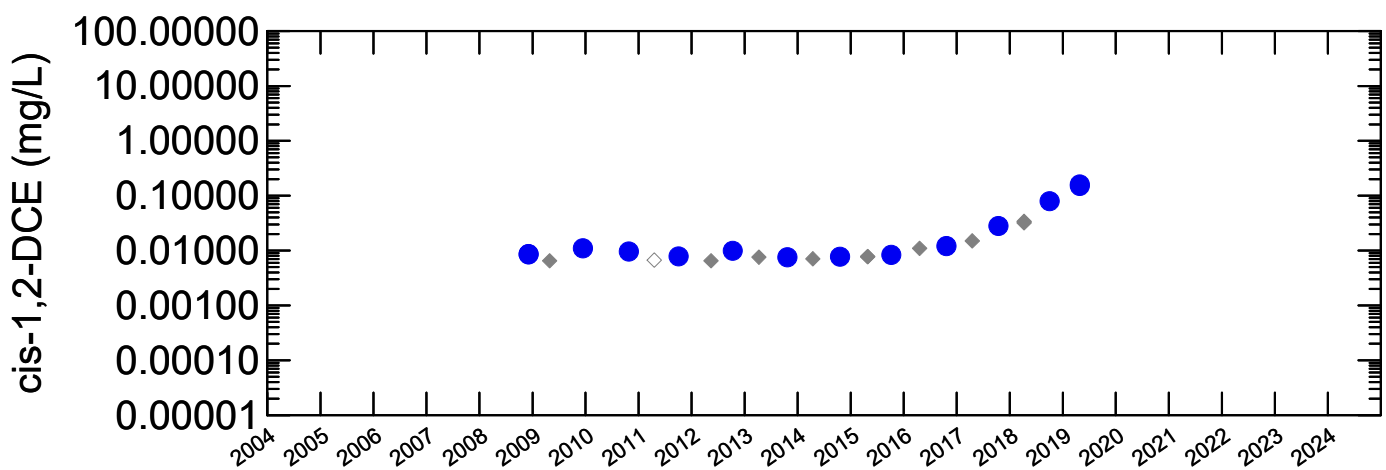
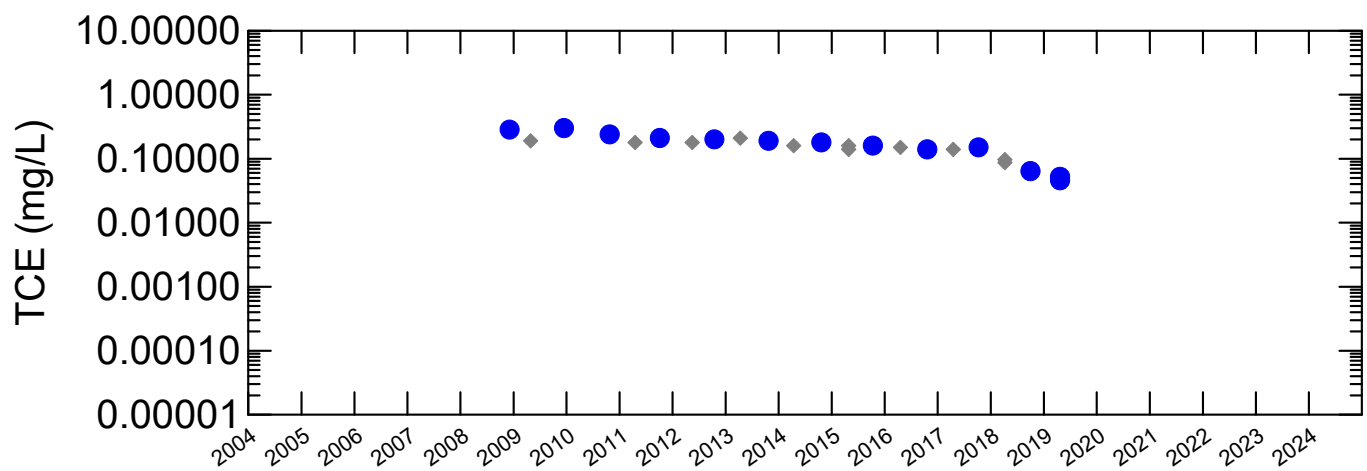


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WELL MW 49



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- ◆ Result removed from calculations due to different sampling frequency.
- Non-detect removed due to high detection limits.

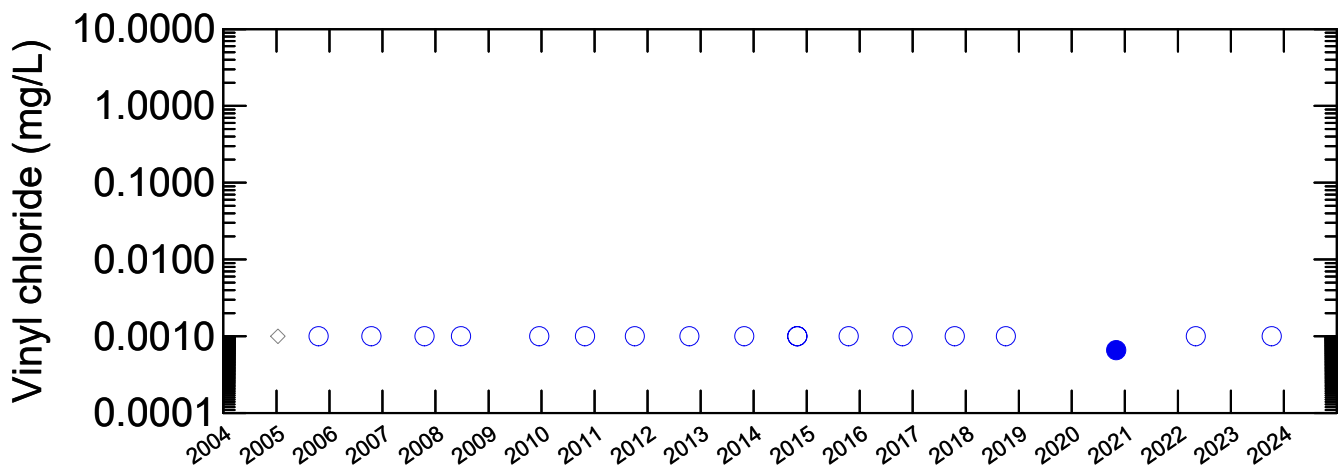
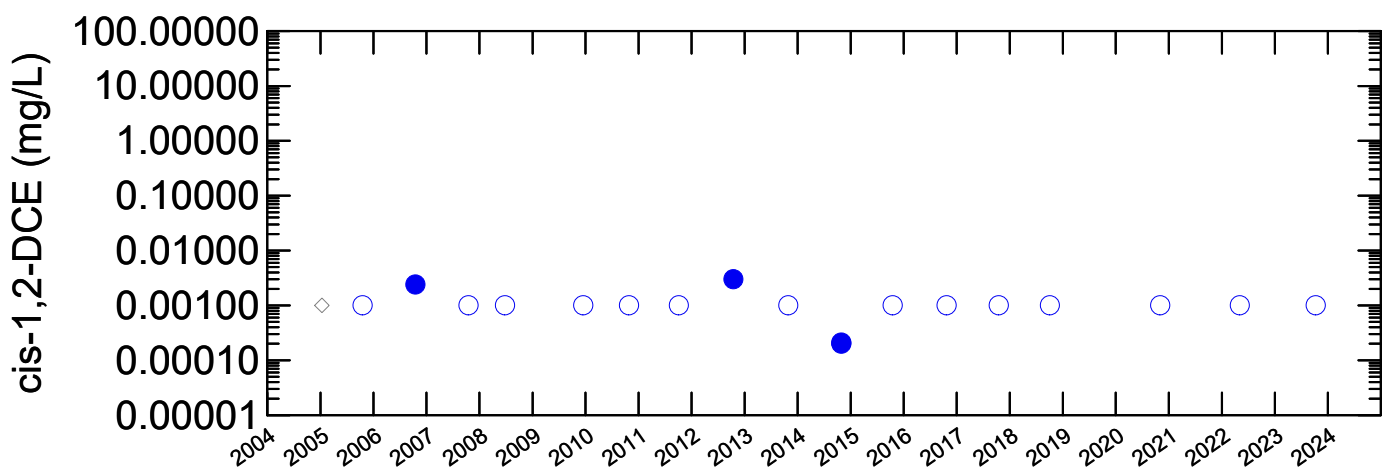
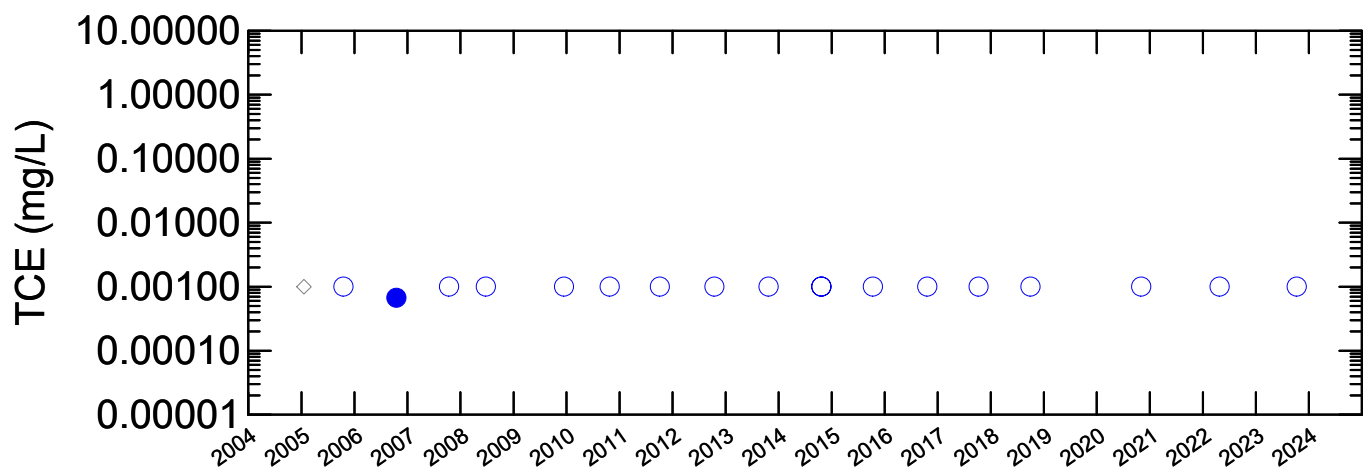


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WELL MW 51



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- ◆ Result removed from calculations due to different sampling frequency.

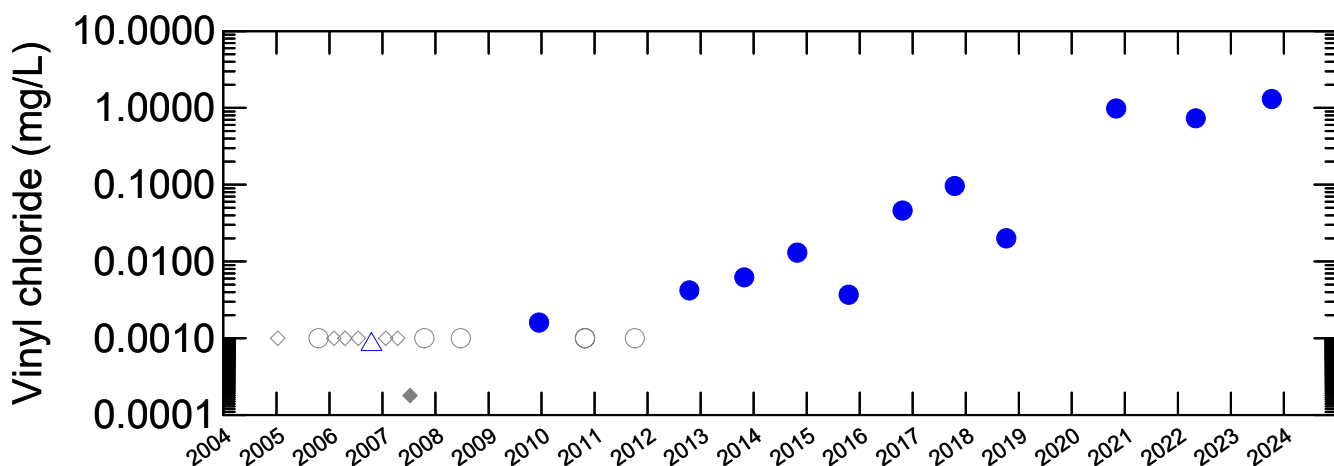
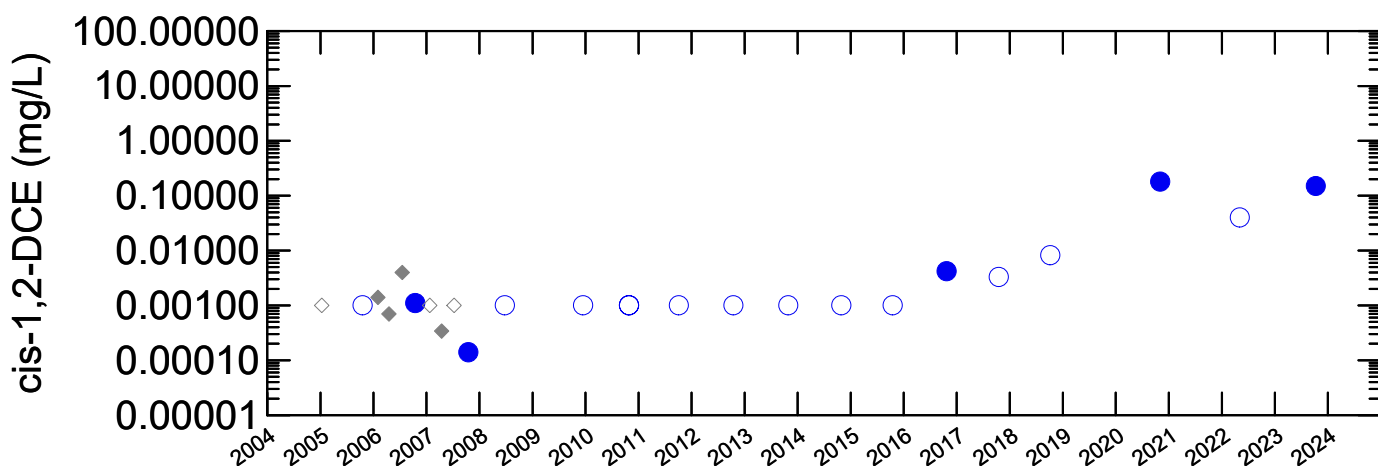
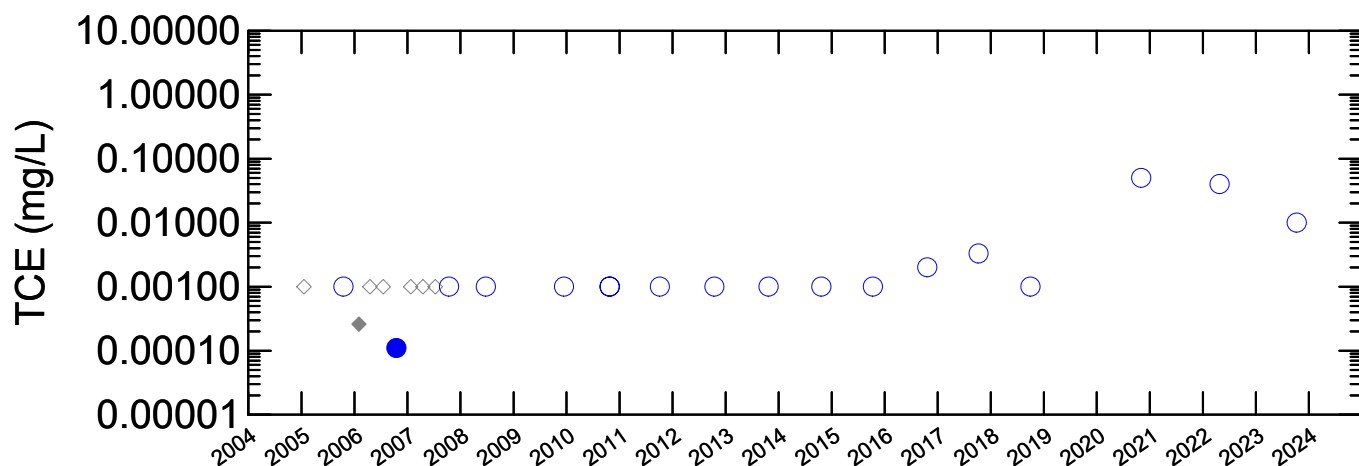


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WELL MW 56



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- ◆ Result removed from calculations due to different sampling frequency.
- Non-detect removed due to high detection limits.

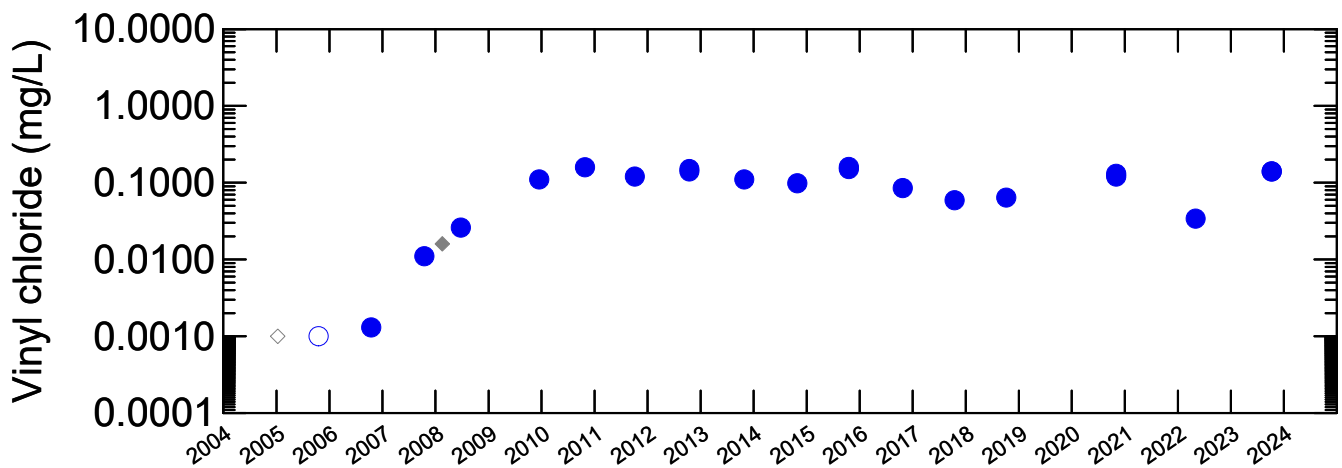
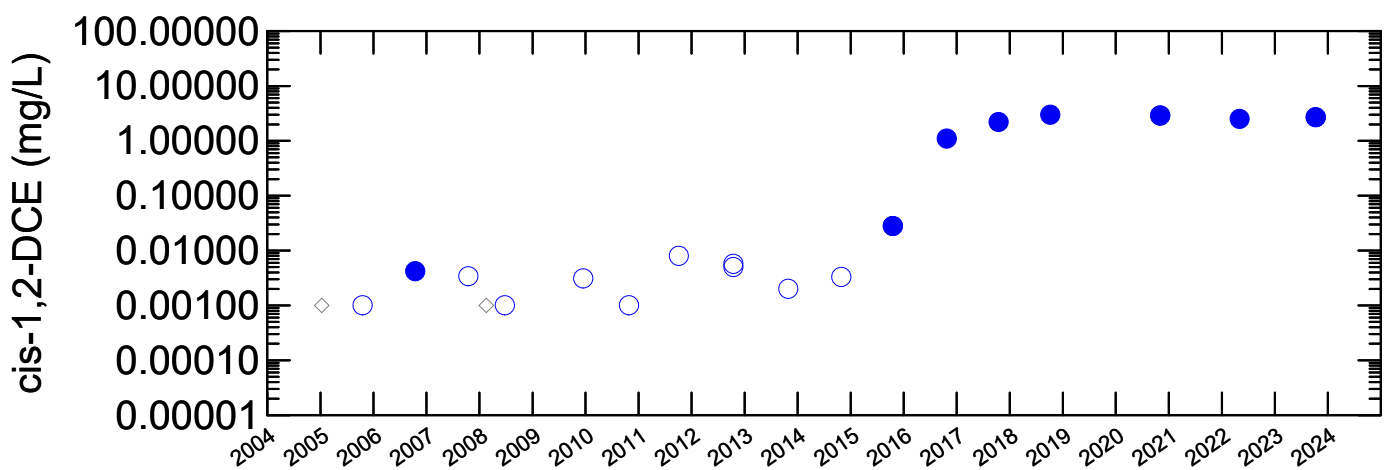
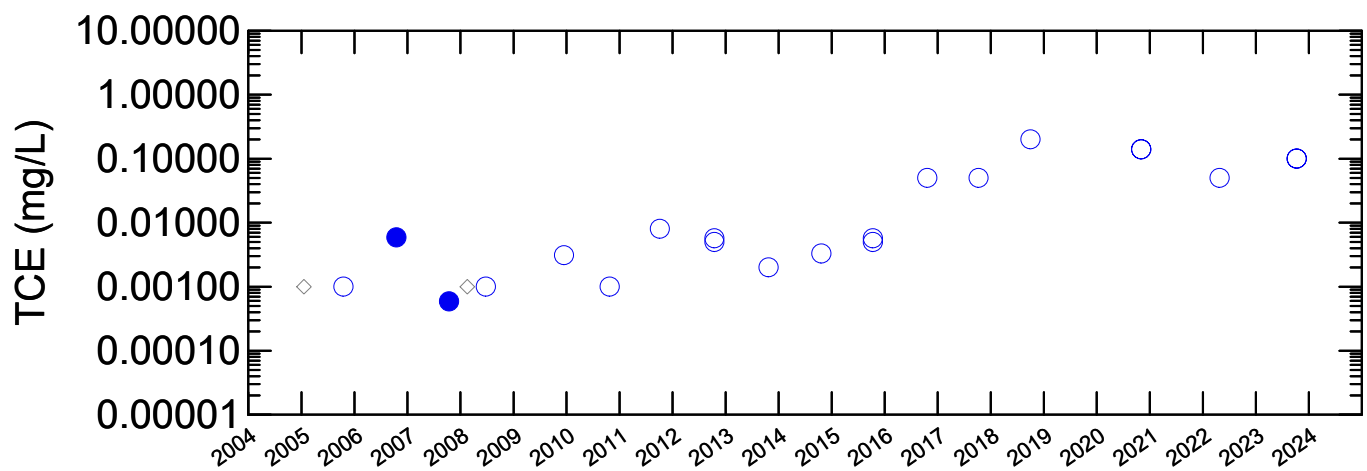


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WELL MW 57



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- ◆ Result removed from calculations due to different sampling frequency.

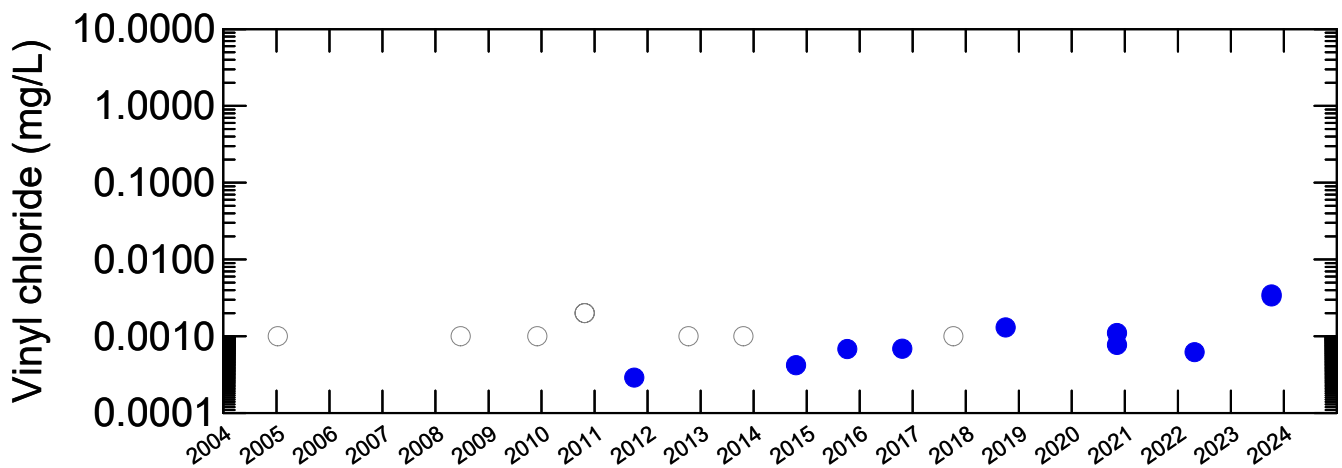
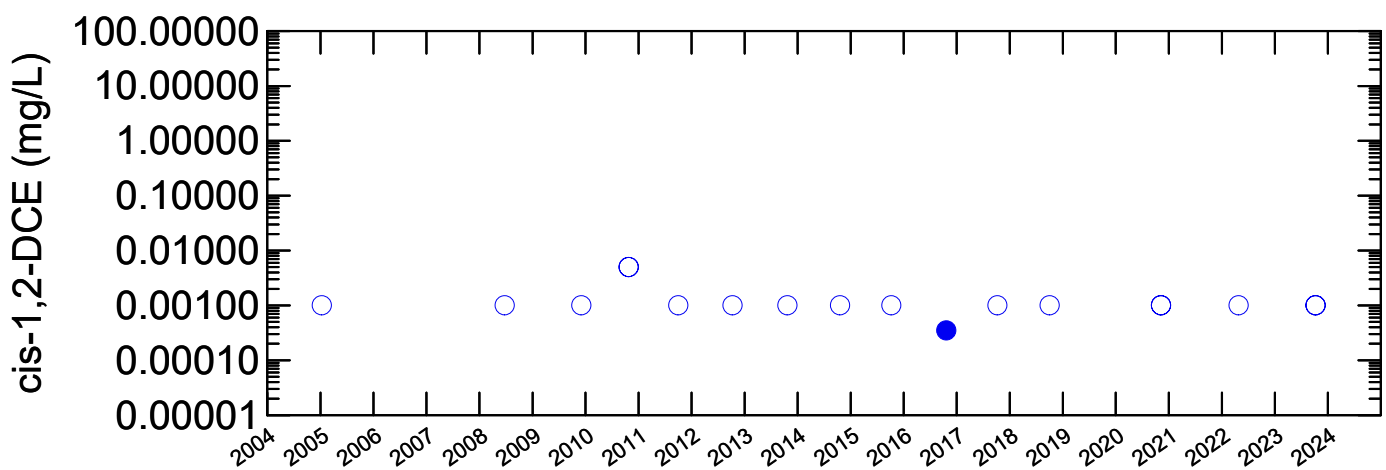
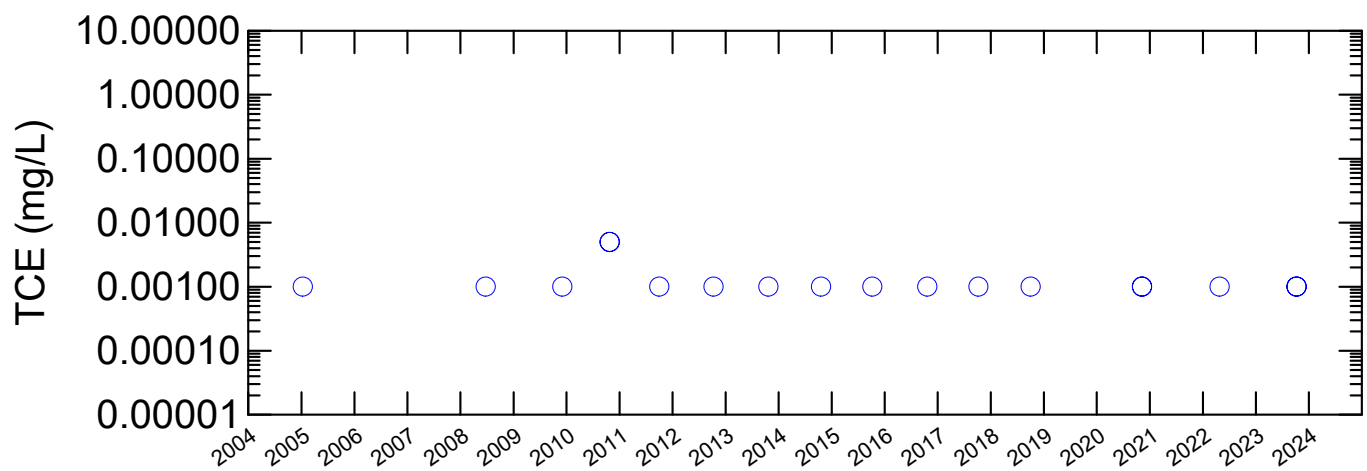


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WELL MW 58



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- ◆ Result removed from calculations due to different sampling frequency.
- Non-detect removed due to high detection limits.

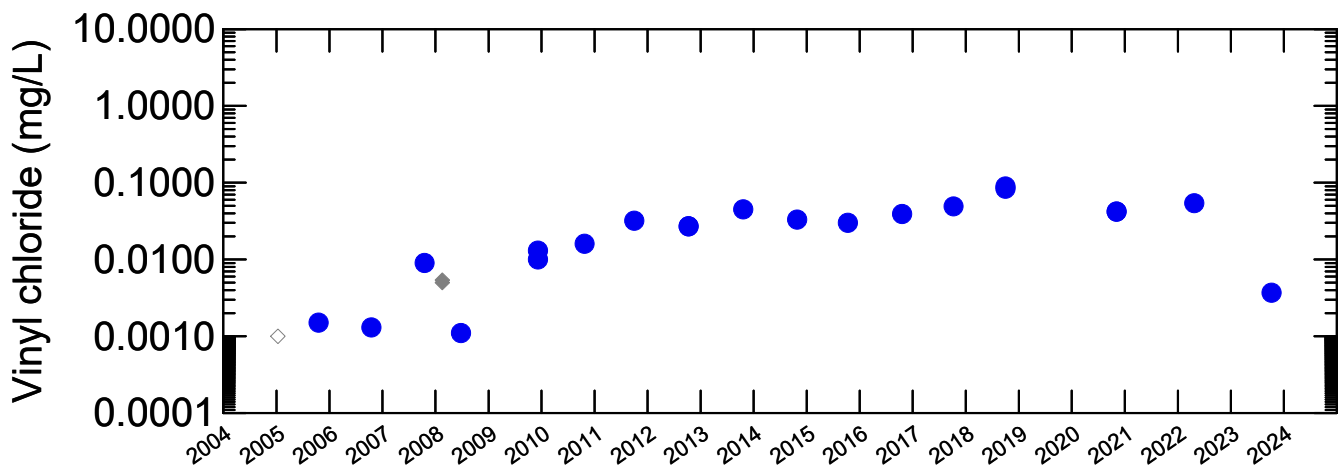
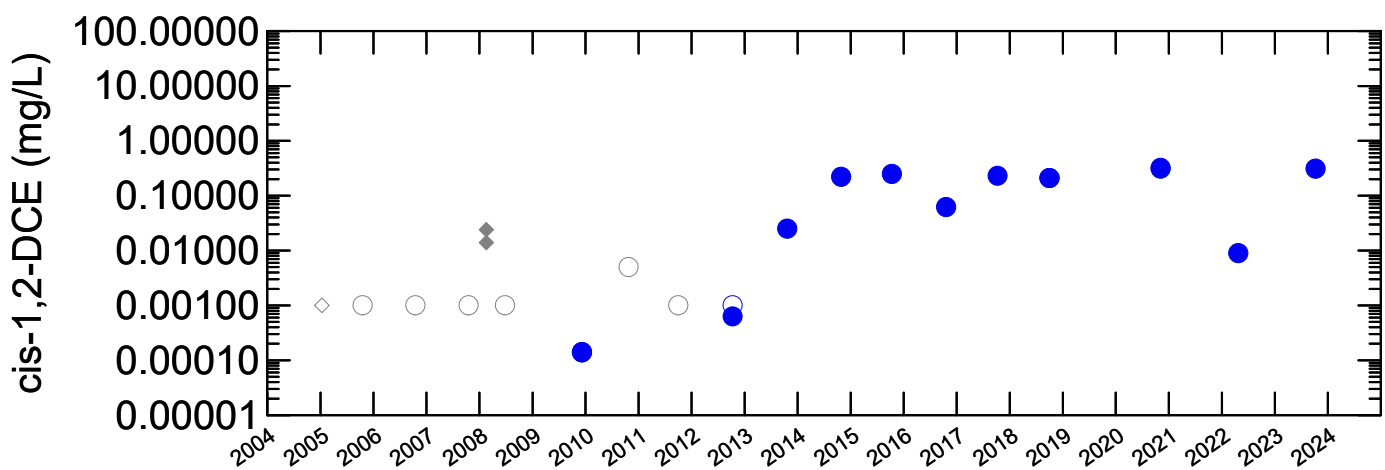
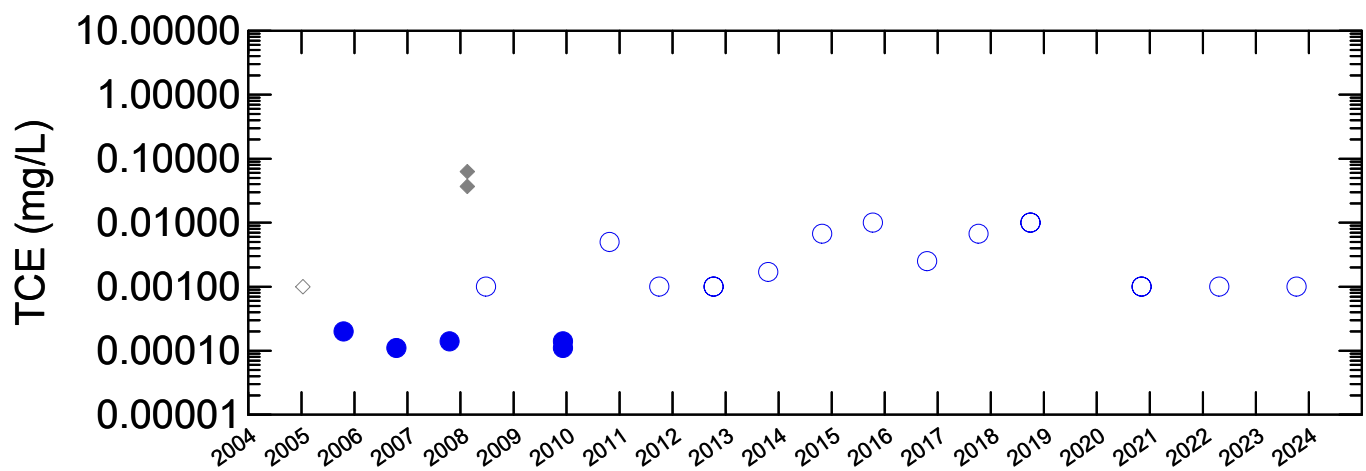


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WELL MW 61



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- ◆ Result removed from calculations due to different sampling frequency.
- Non-detect removed due to high detection limits.

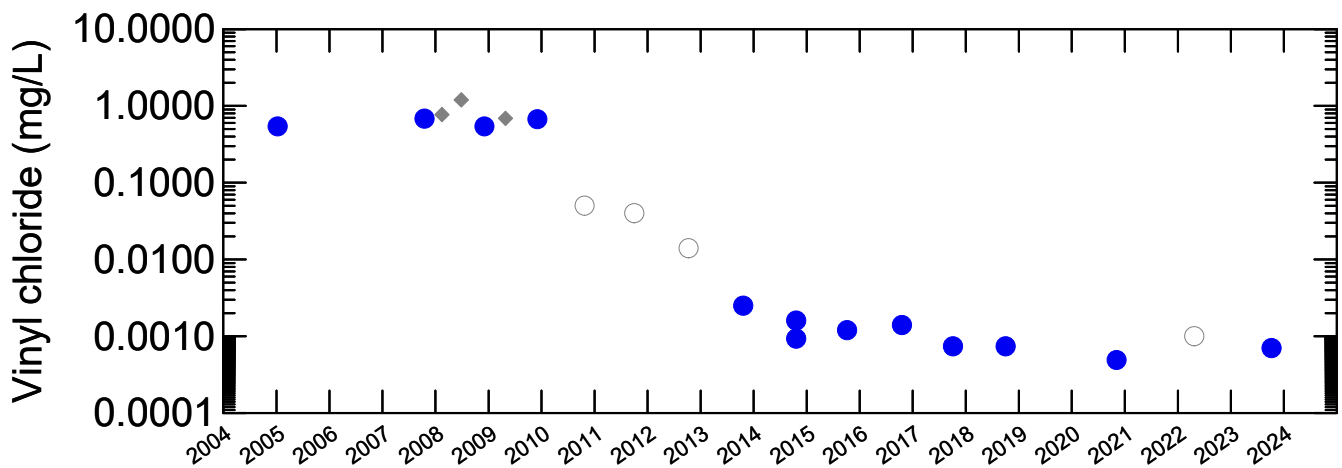
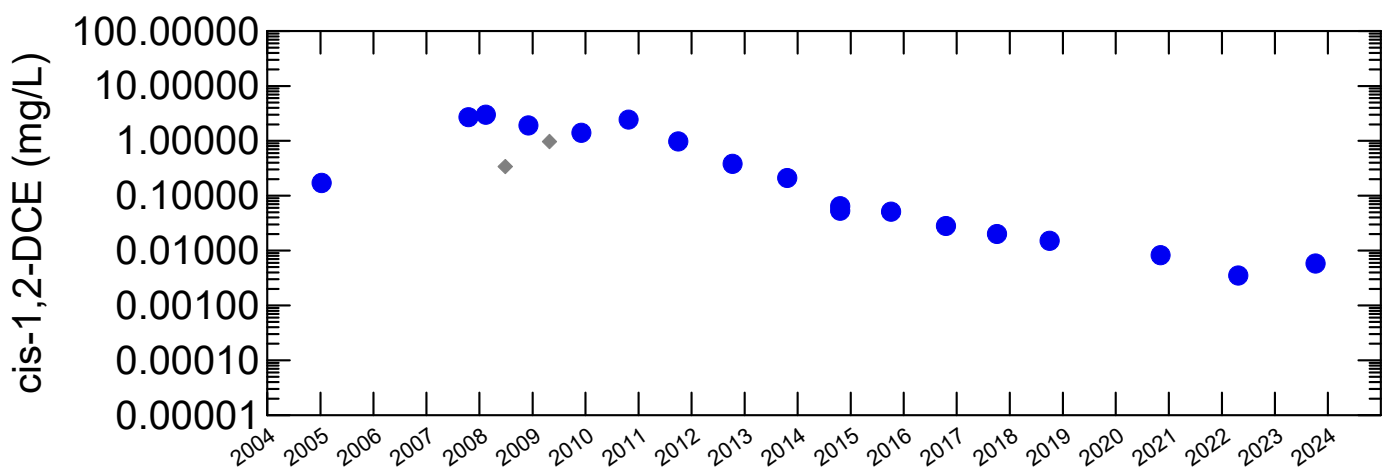
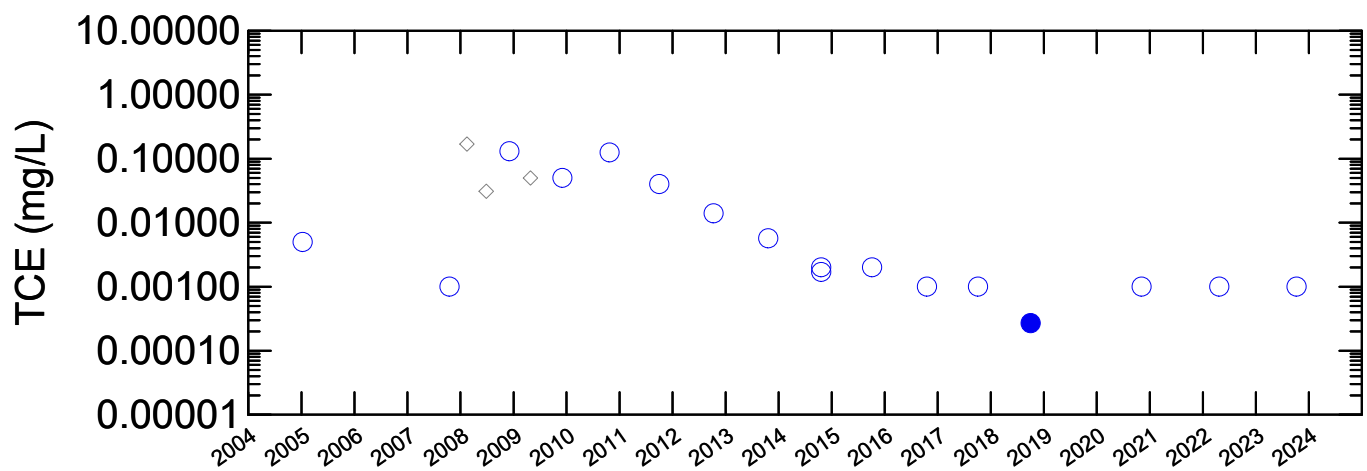


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WELL MW 64



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- ◆ Result removed from calculations due to different sampling frequency.
- Non-detect removed due to high detection limits.

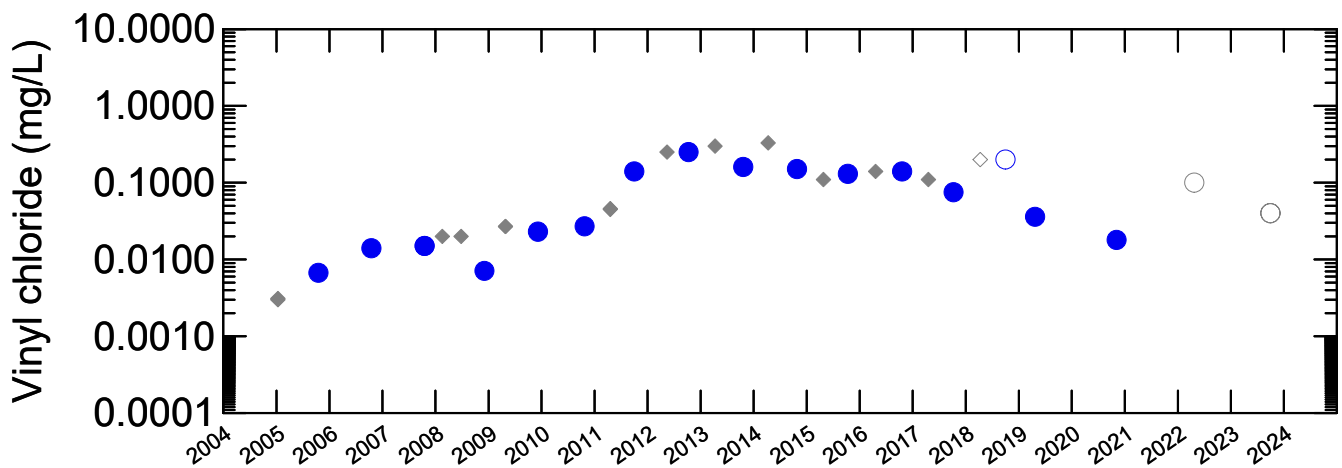
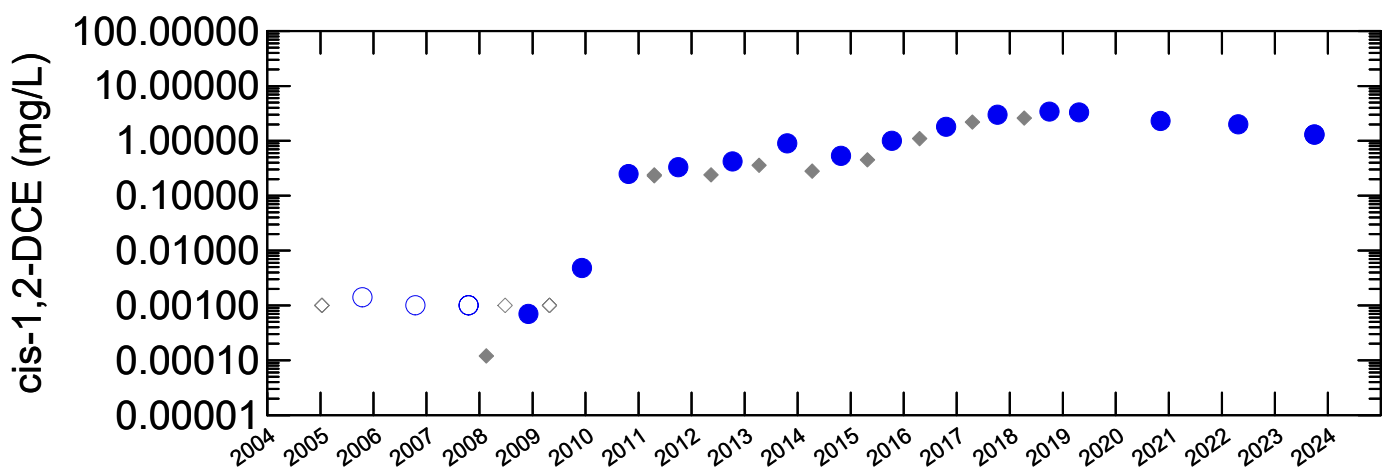
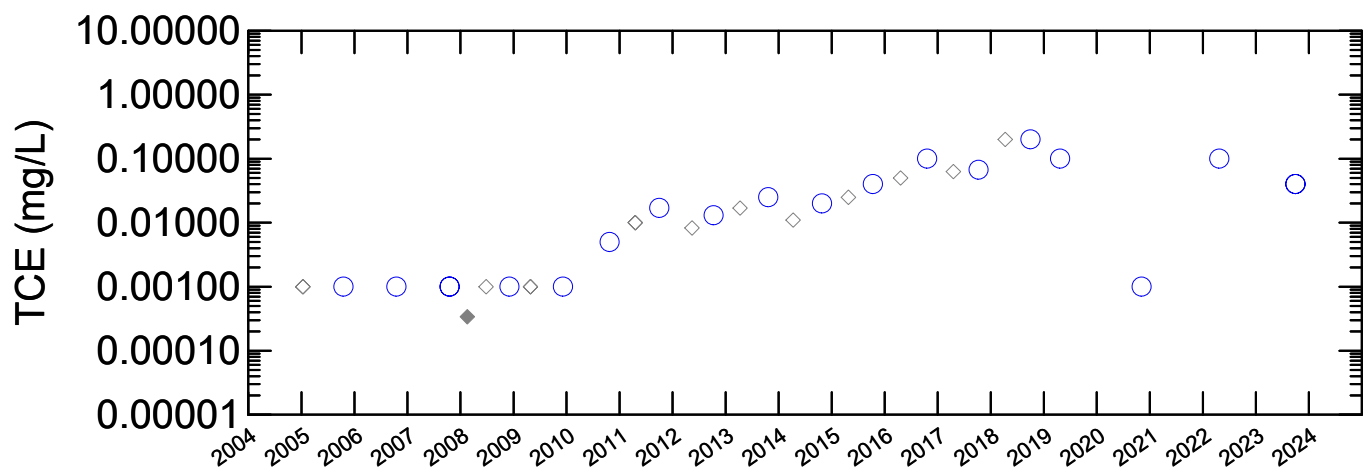


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WELL MW 65



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- ◆ Result removed from calculations due to different sampling frequency.
- Non-detect removed due to high detection limits.

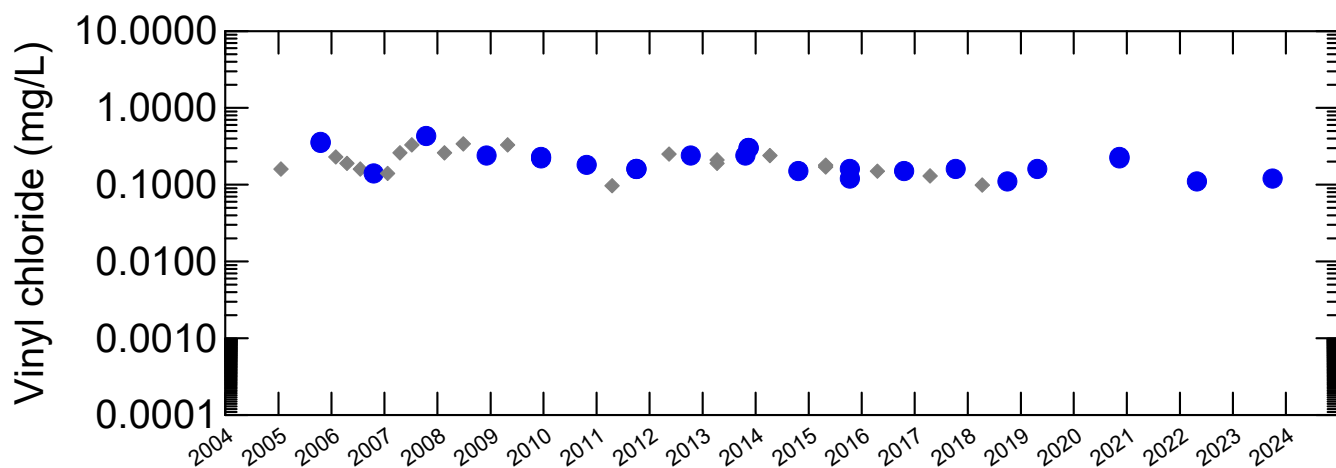
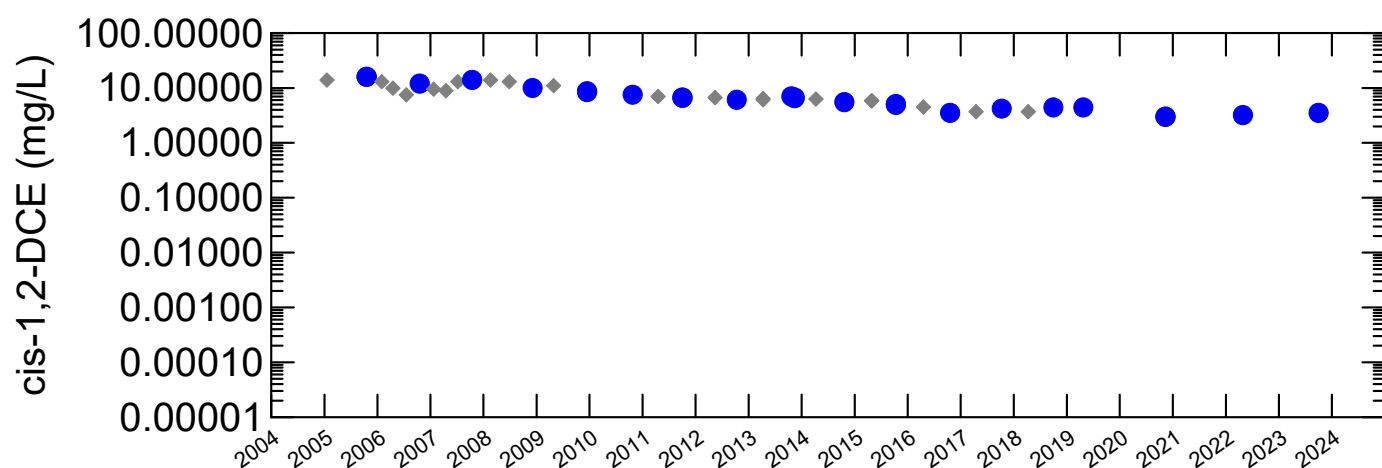
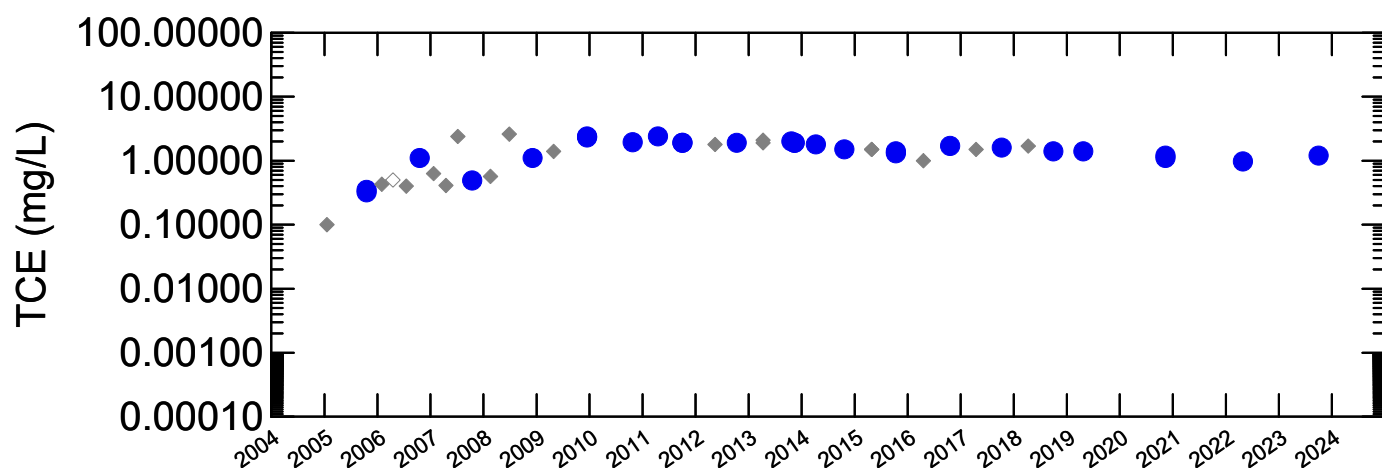


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WELL MW 66



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- ◆ Result removed from calculations due to different sampling frequency.

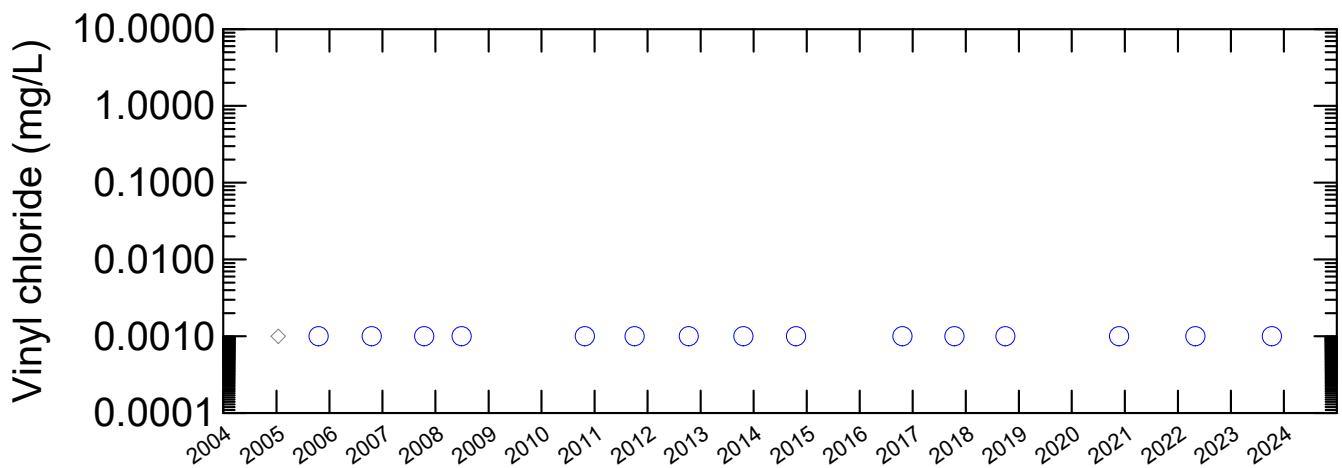
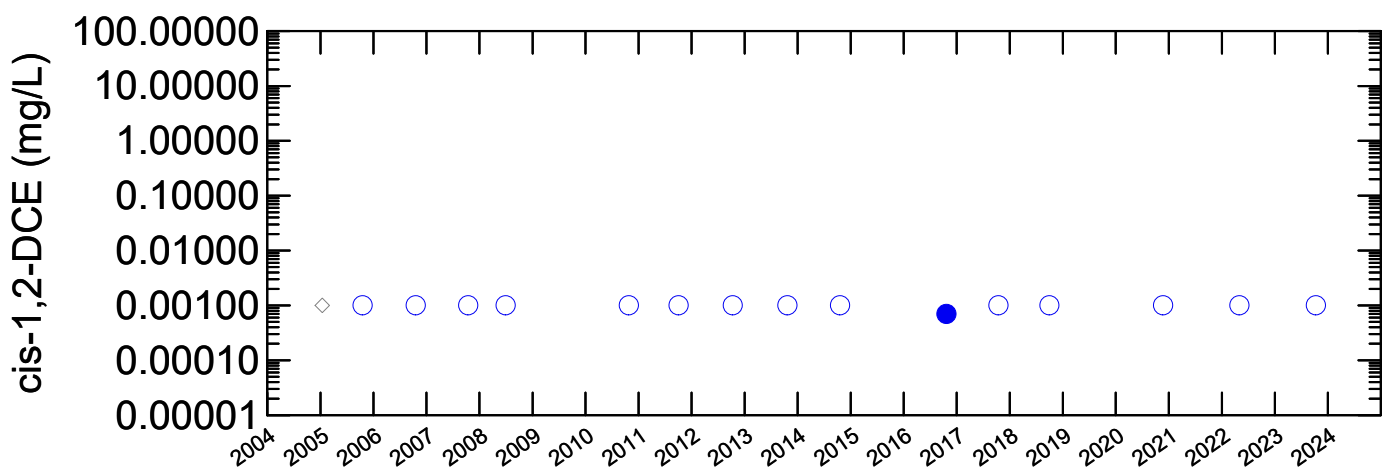
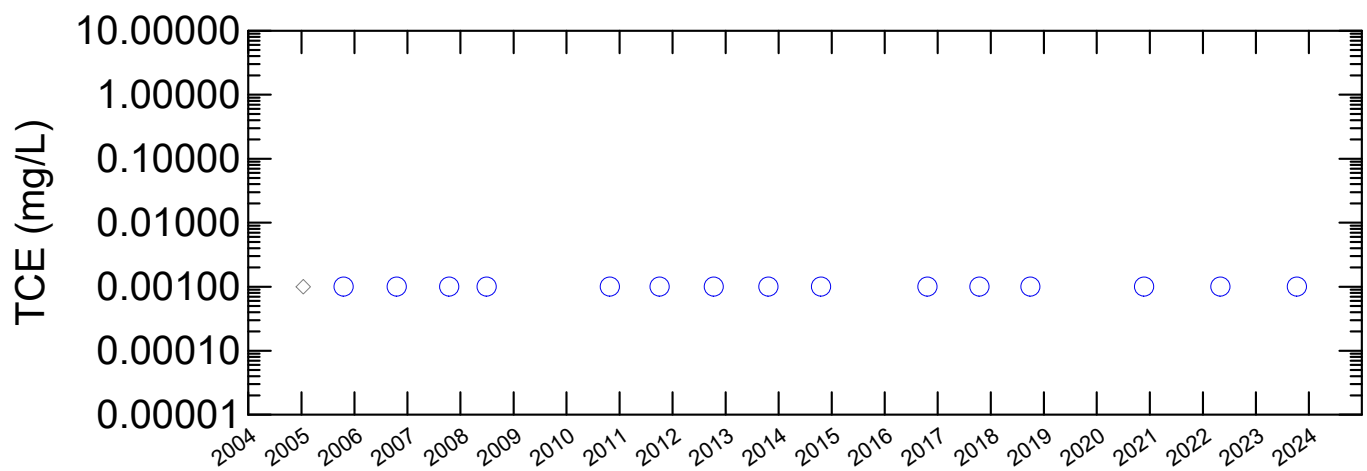


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WELL MW 68



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- ◆ Result removed from calculations due to different sampling frequency.

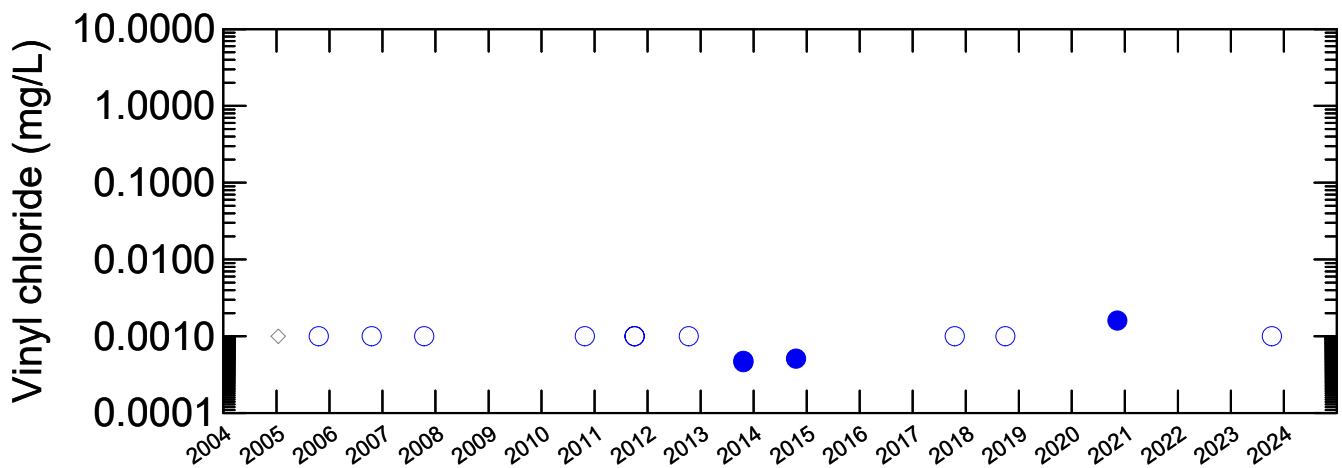
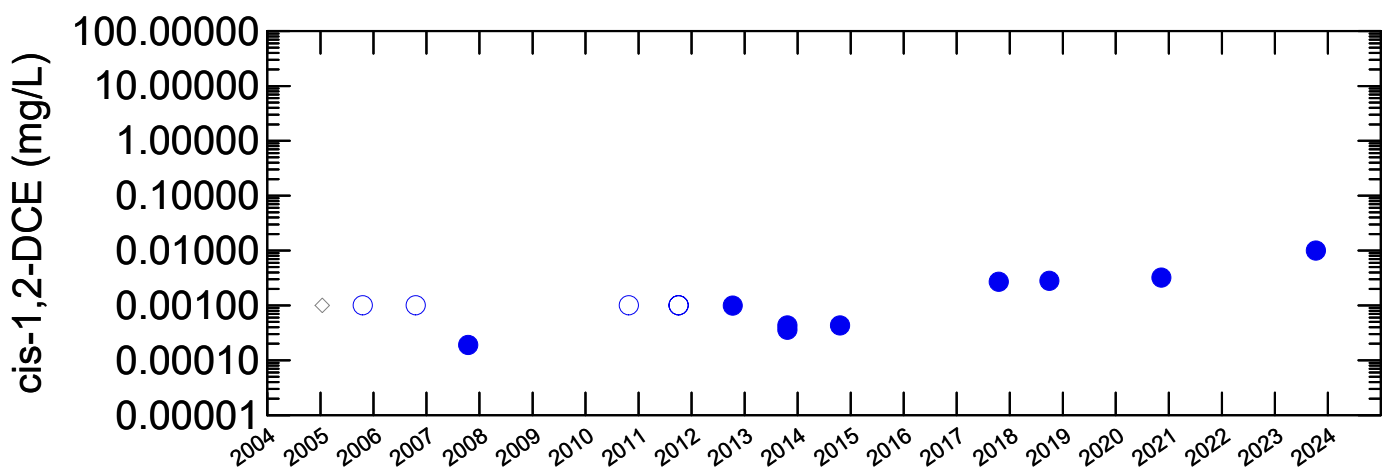
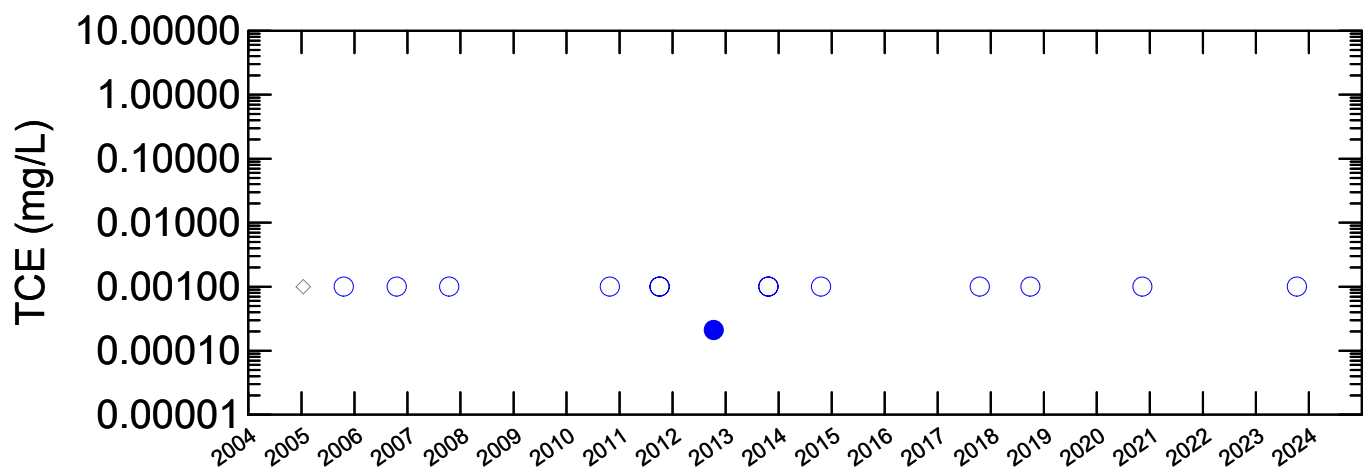


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WELL MW 75



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- ◆ Result removed from calculations due to different sampling frequency.
- Non-detect removed due to high detection limits.

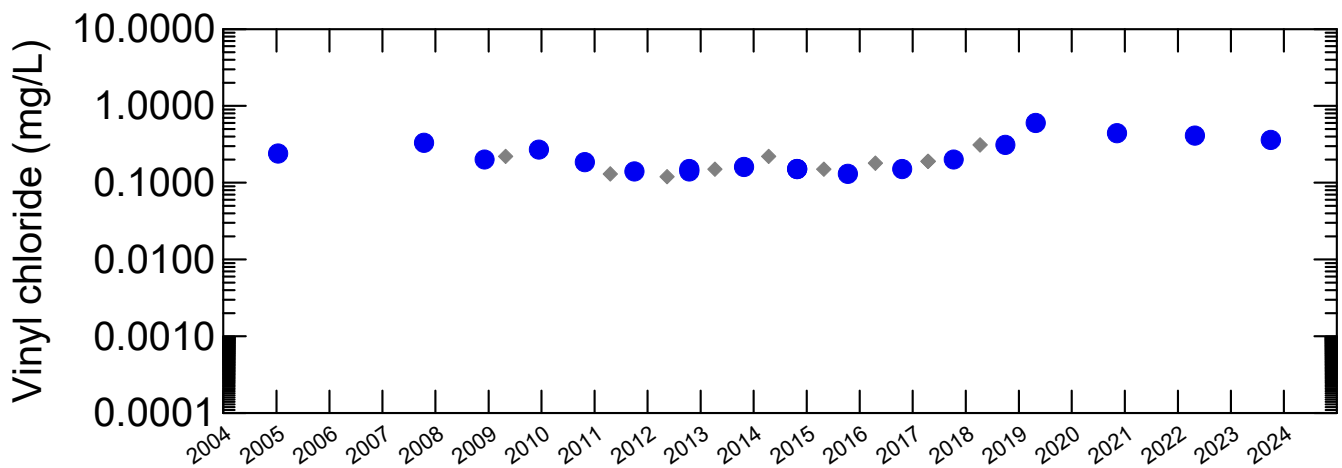
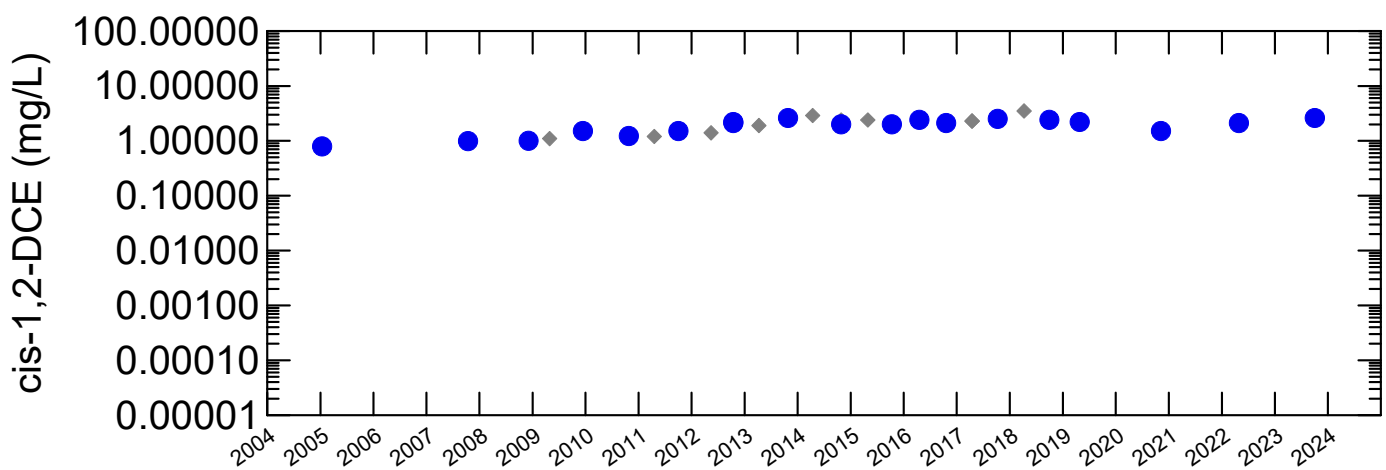
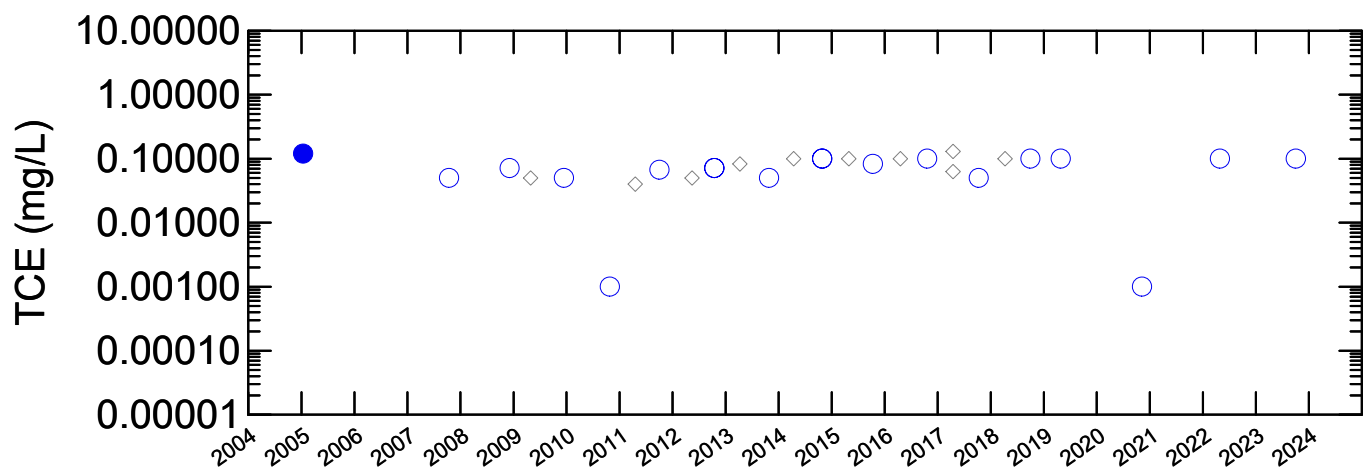


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**WELL MW 76/
MW 76R-17**



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- ◆ Result removed from calculations due to different sampling frequency.

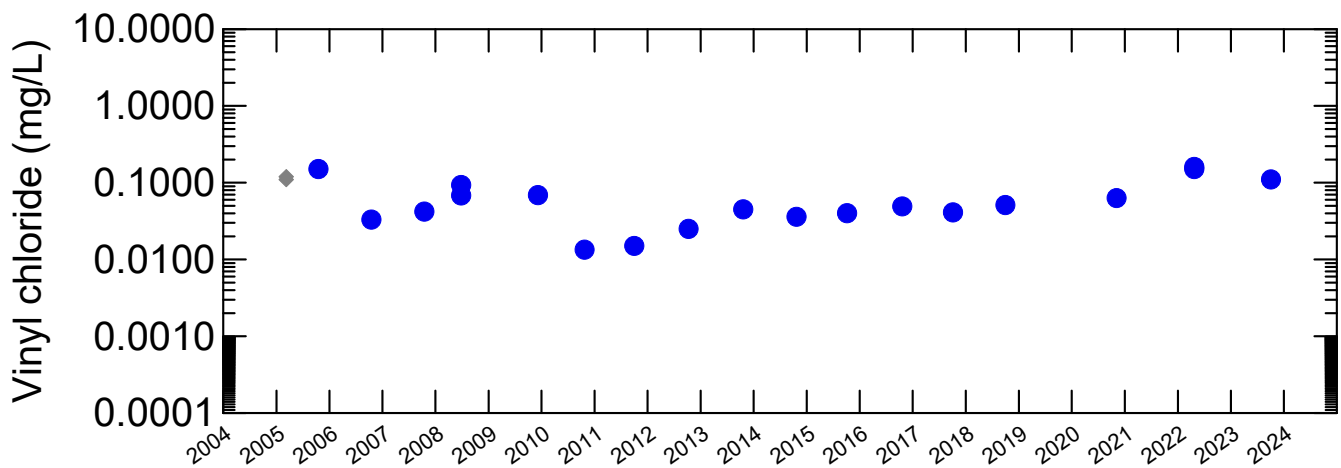
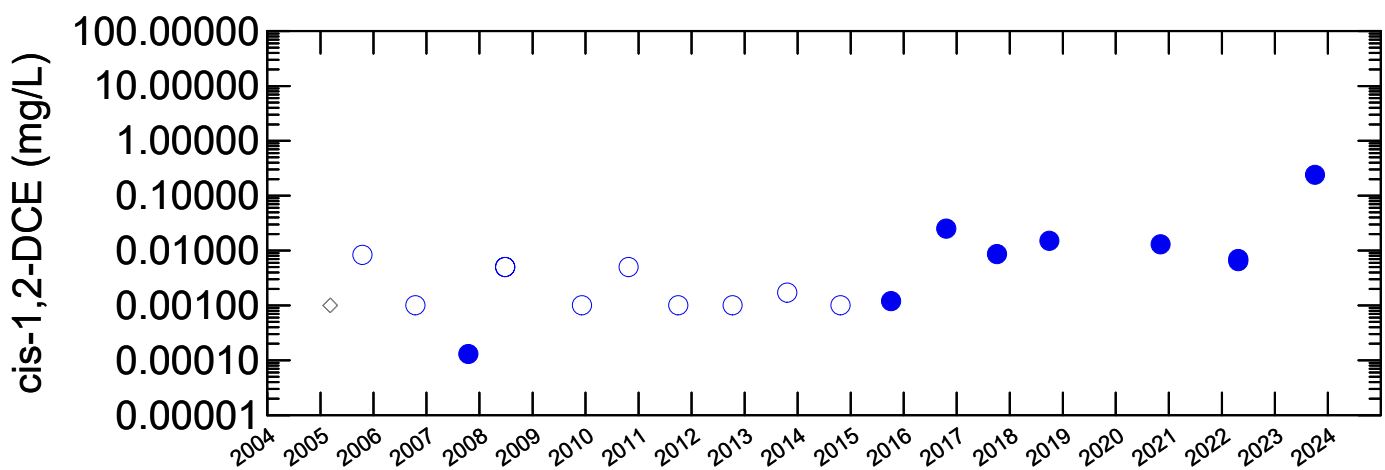
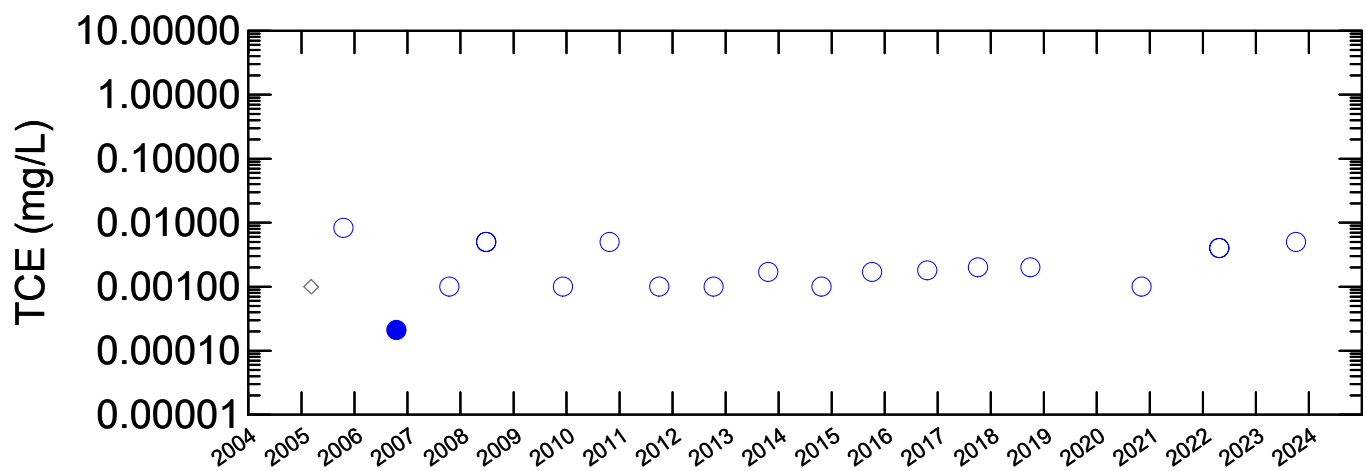


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WELL MW 79



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- ◆ Result removed from calculations due to different sampling frequency.

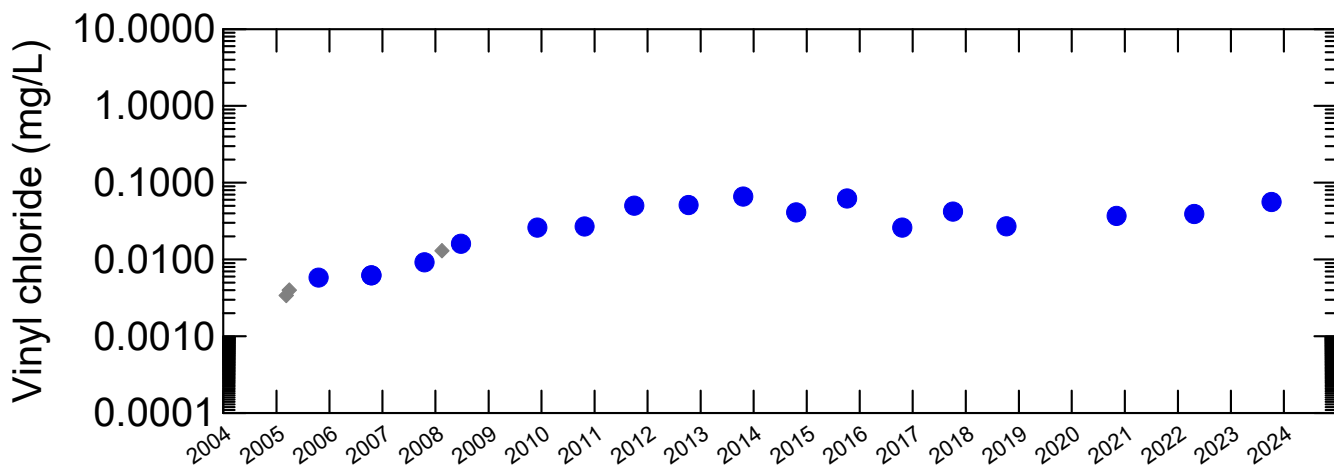
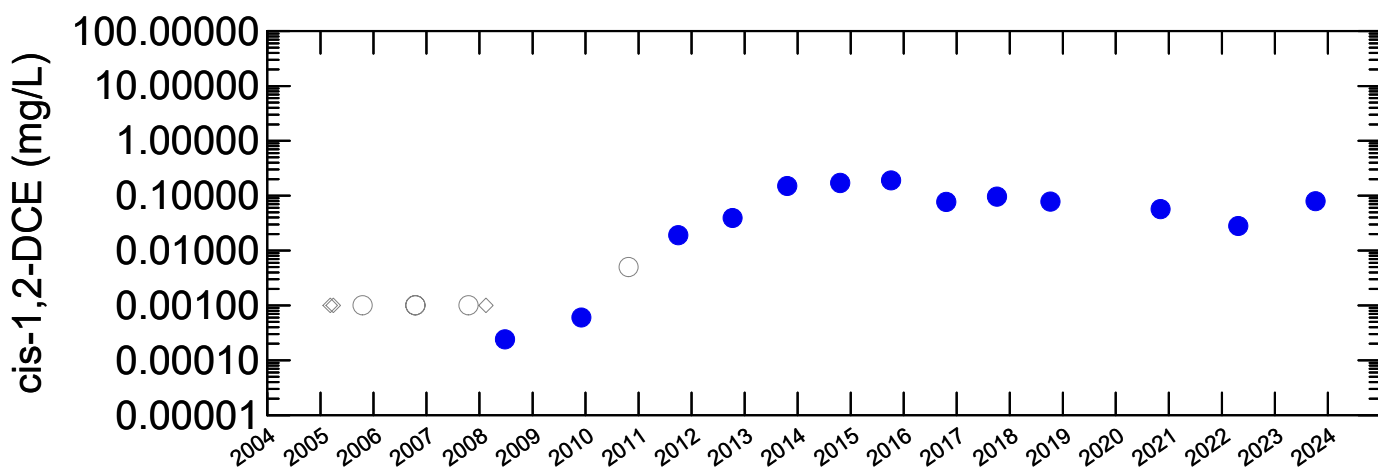
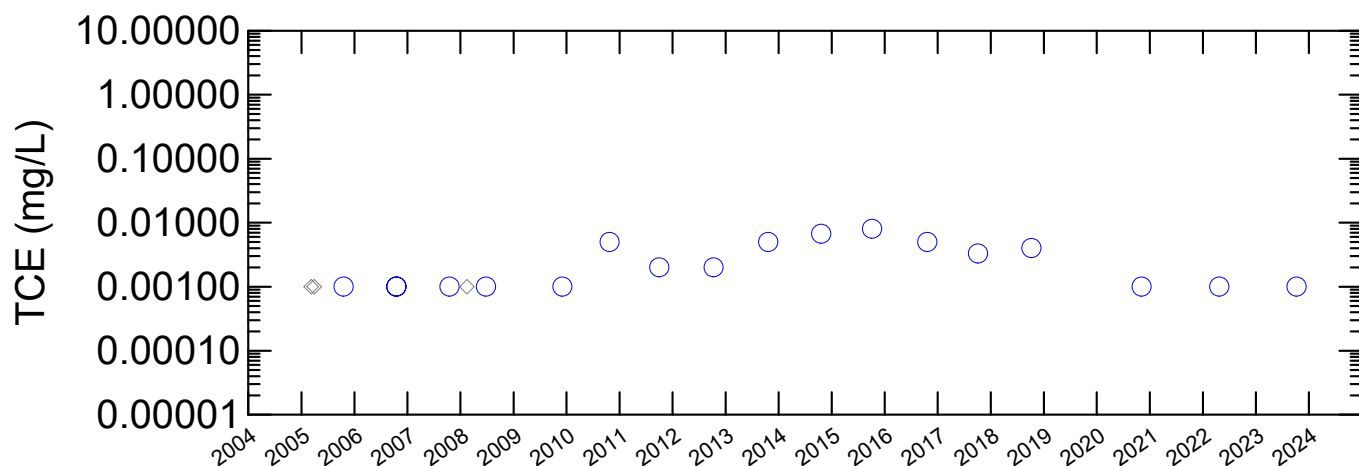


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WELL MW 80



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- ◆ Result removed from calculations due to different sampling frequency.
- Non-detect removed due to high detection limits.

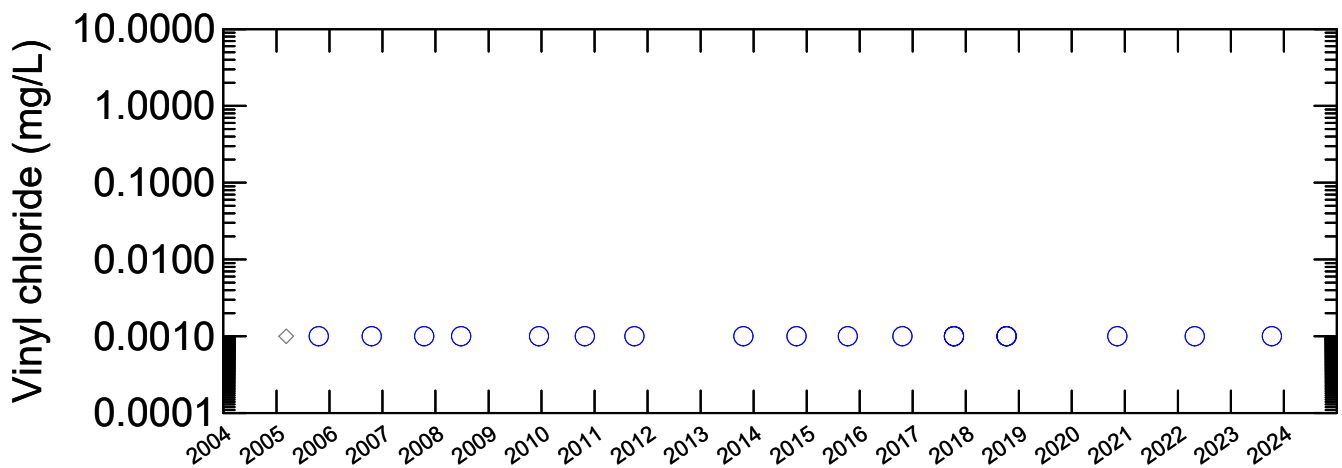
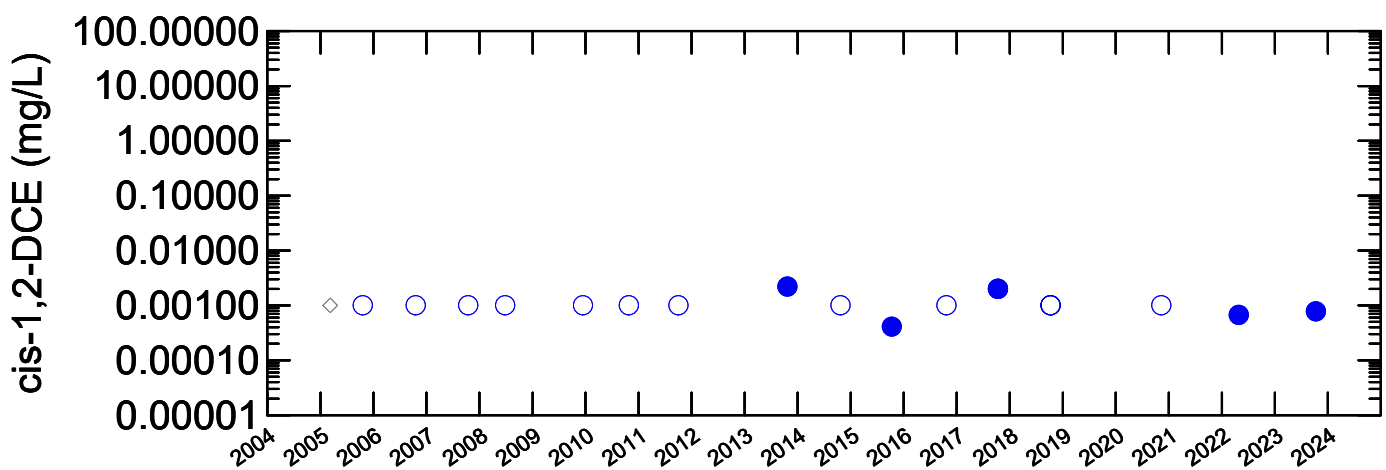
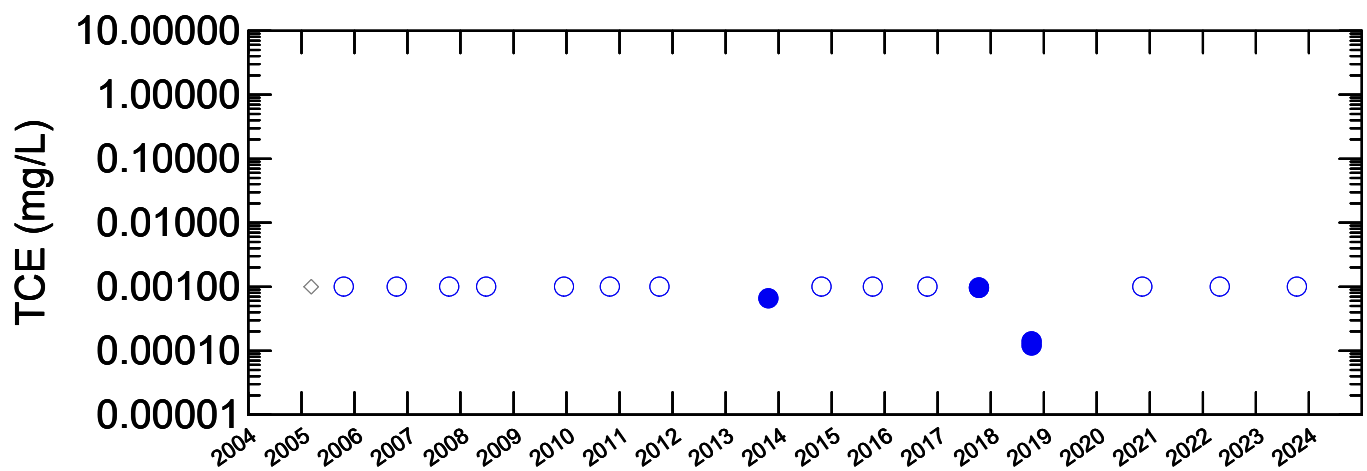


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WELL MW 81



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- ◆ Result removed from calculations due to different sampling frequency.

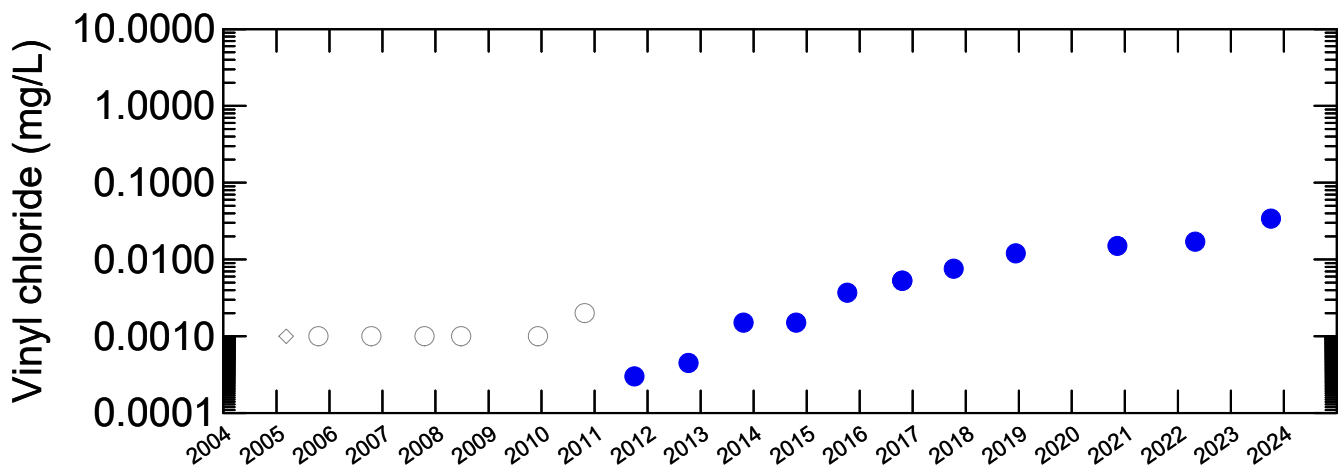
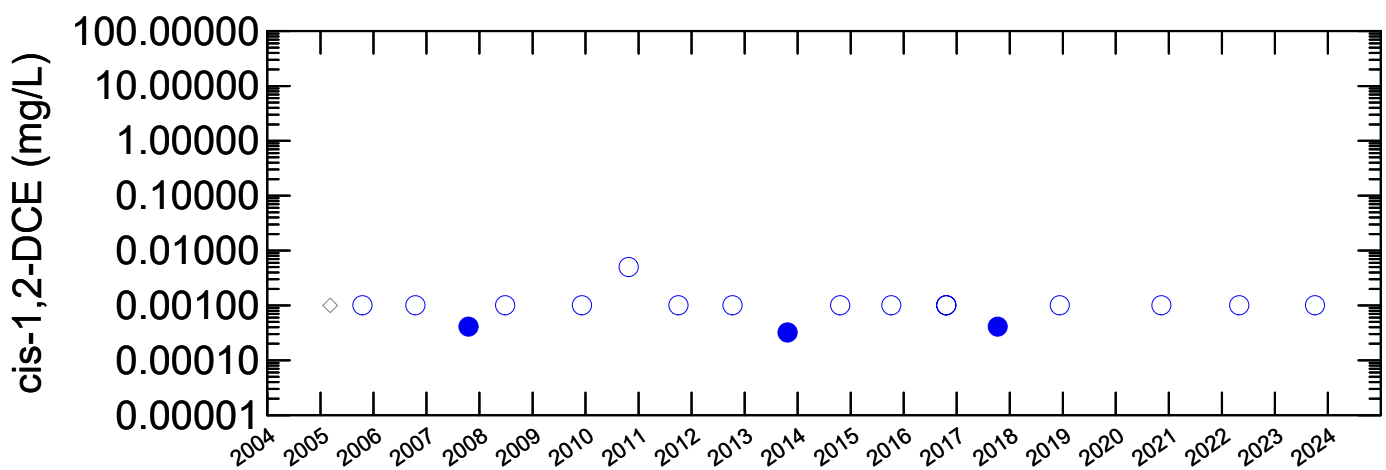
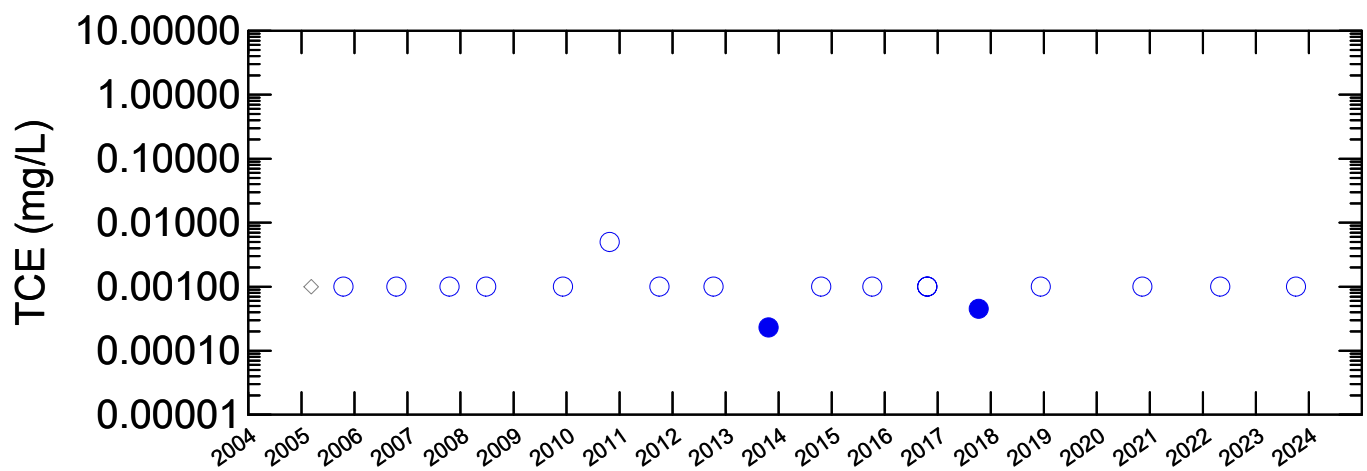


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ANALYTE CONCENTRATION vs. TIME**

Project No. **11209506**
Date: **Dec 22, 2022**

WELL MW 82



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- ◆ Result removed from calculations due to different sampling frequency.
- Non-detect removed due to high detection limits.

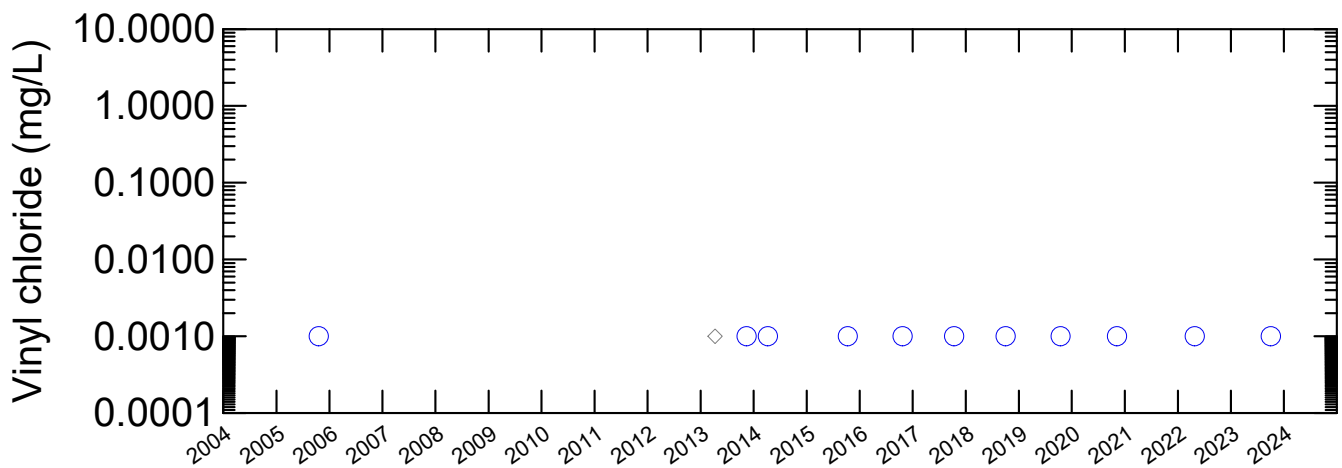
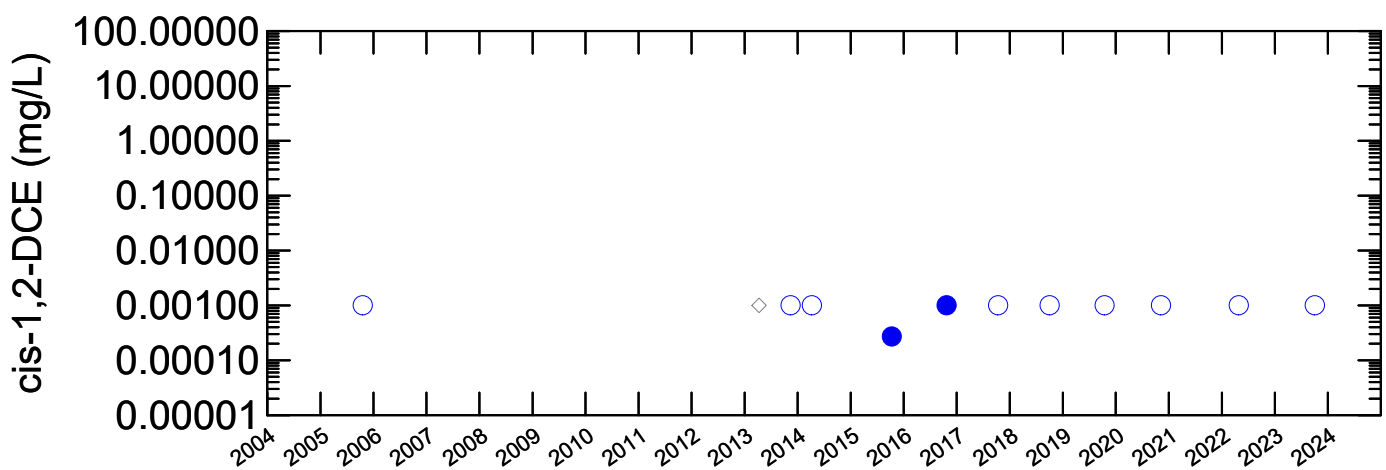
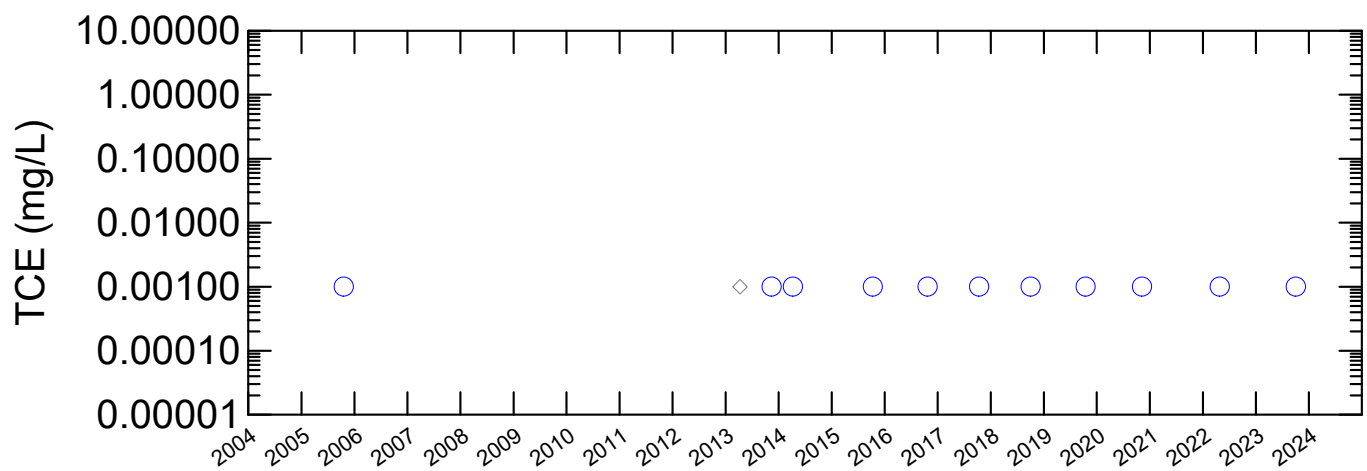


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Project No. 11209506
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WELL MW 83



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- ◆ Result removed from calculations due to different sampling frequency.

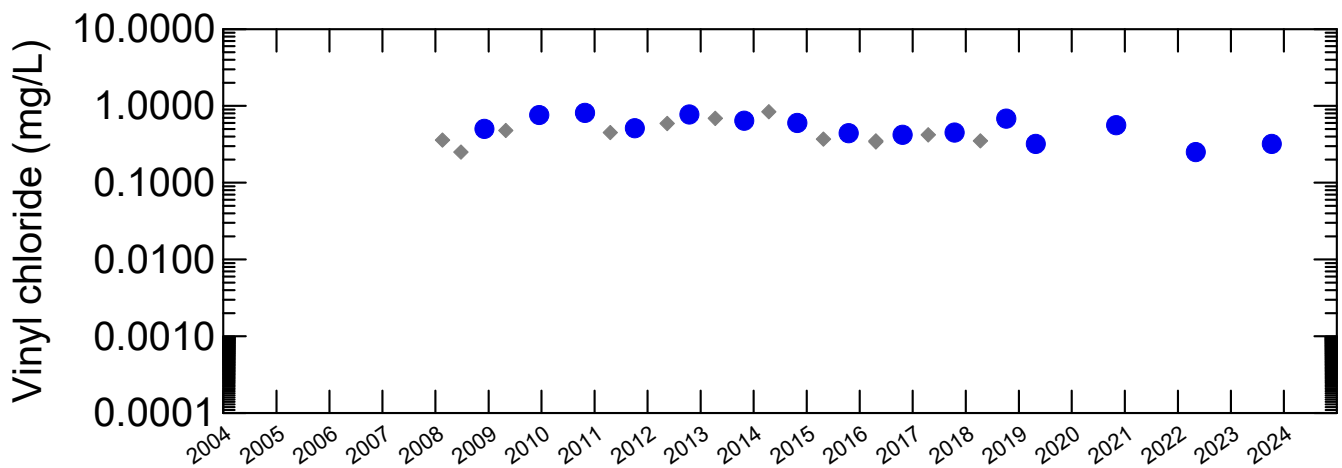
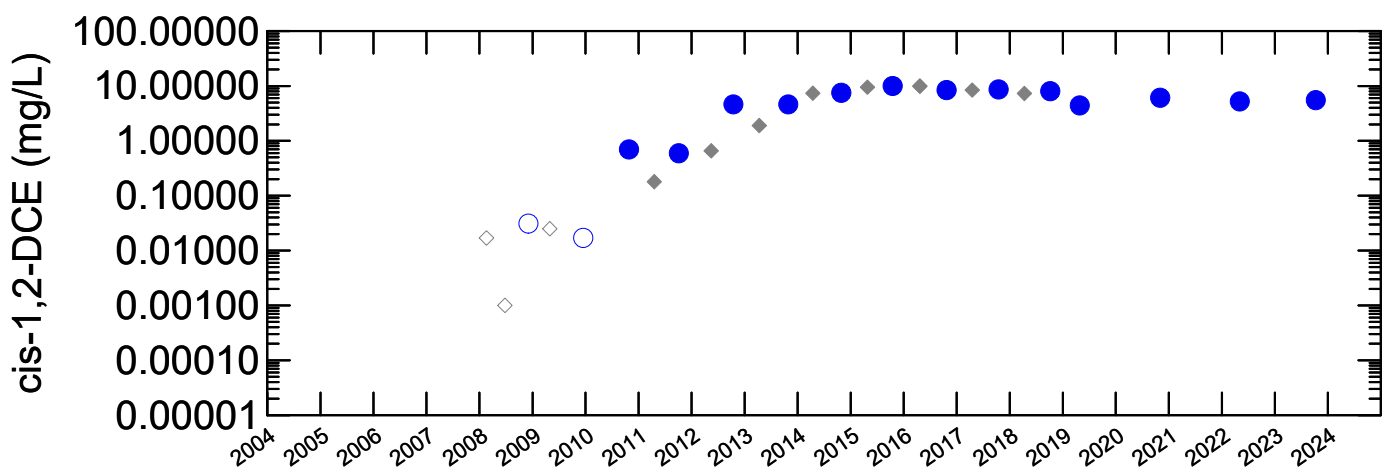
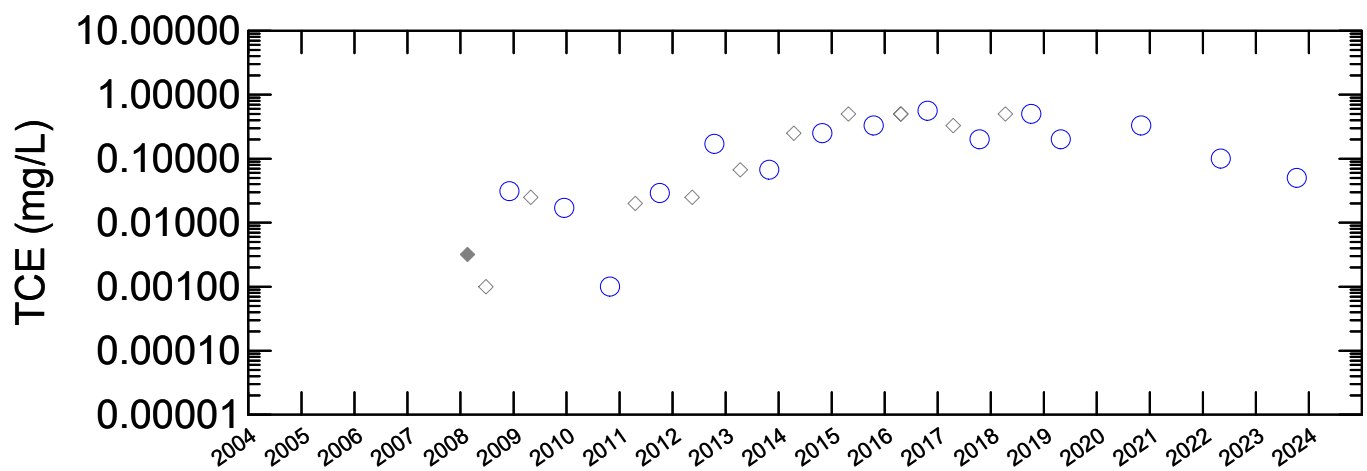


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Date: **Dec 22, 2022**

WELL MW 84



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- ◆ Result removed from calculations due to different sampling frequency.

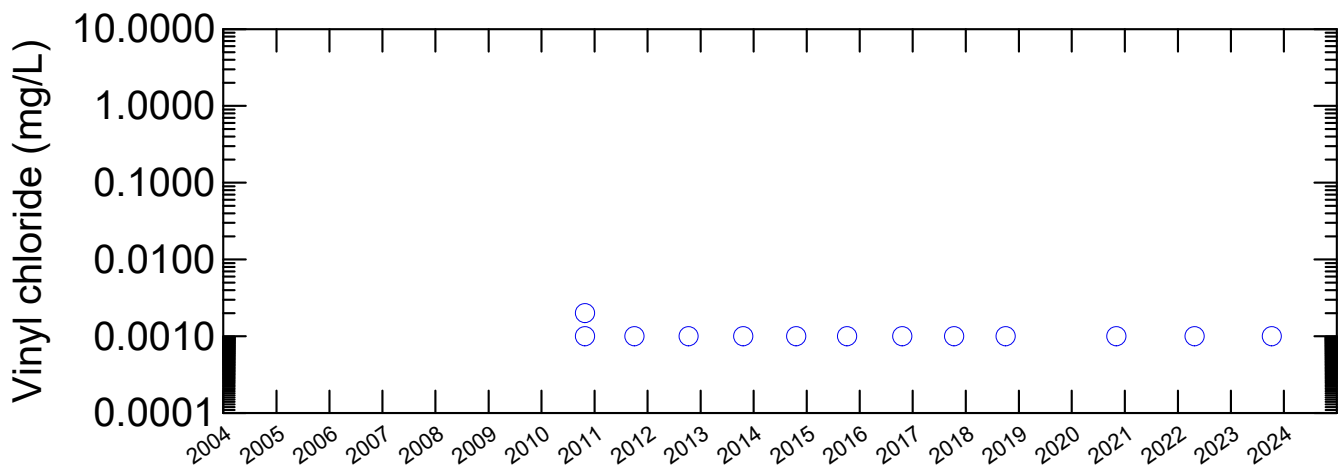
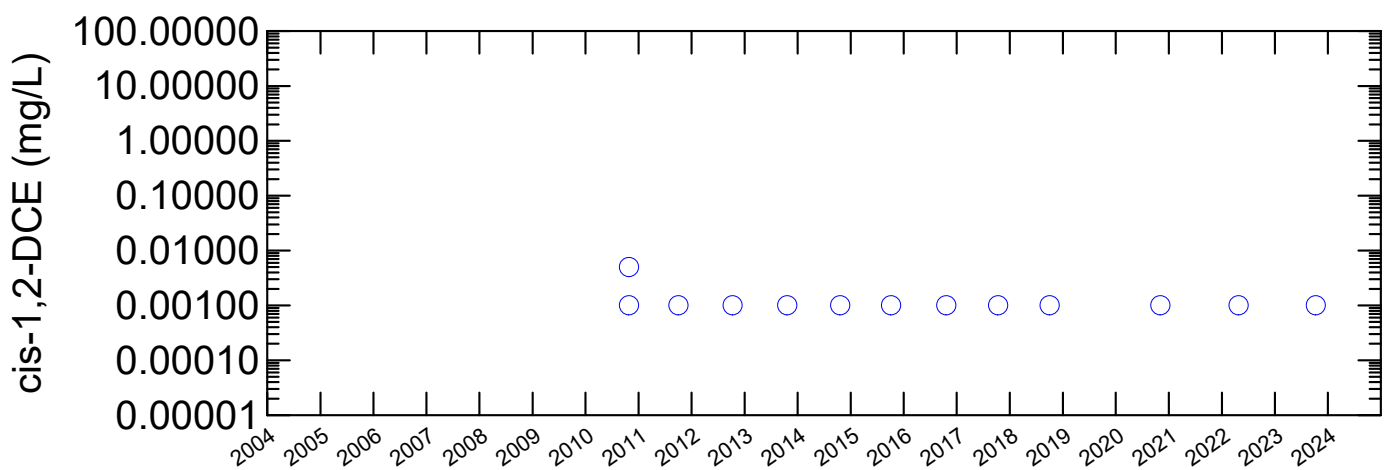
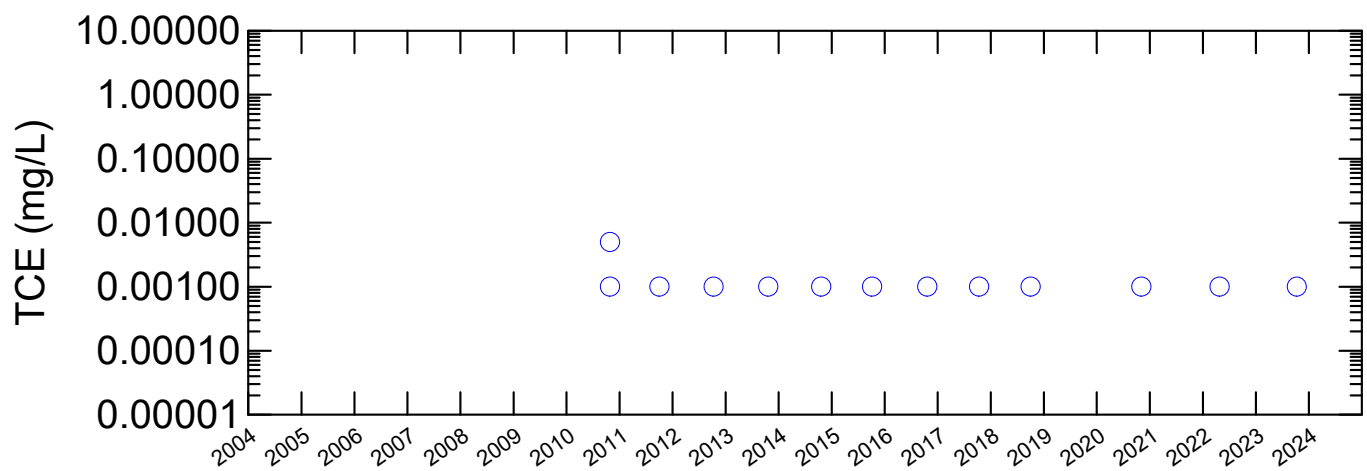


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WELL MW 85



Legend:

- Detected Result
- Non-detect (plotted at detection limit)

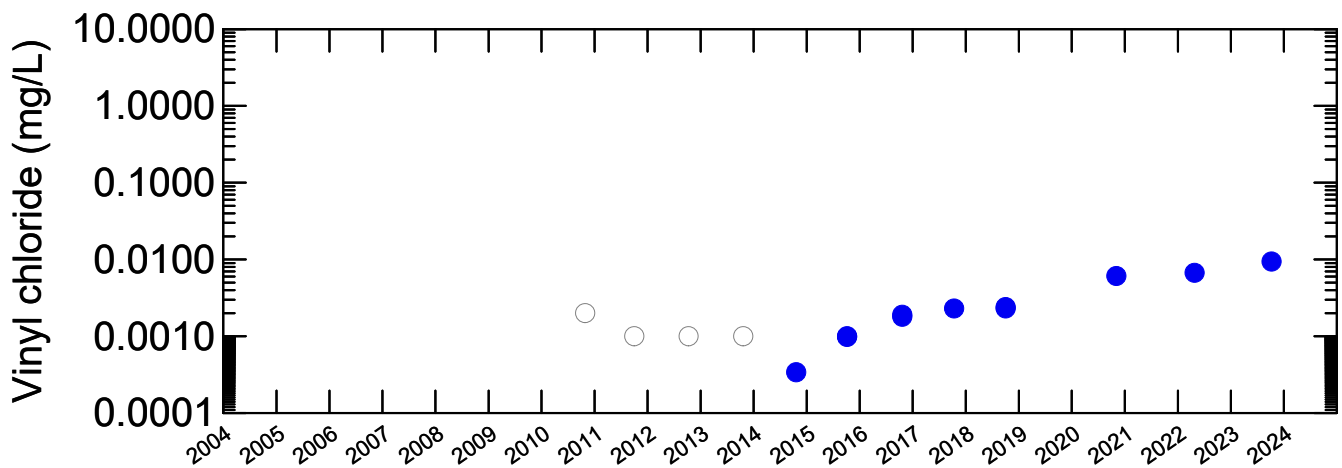
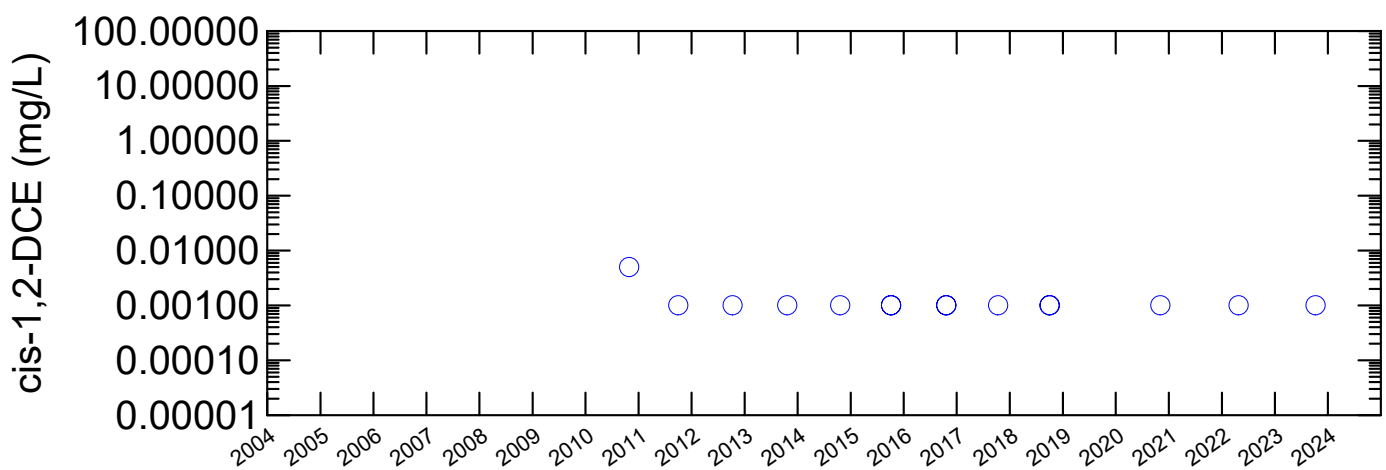
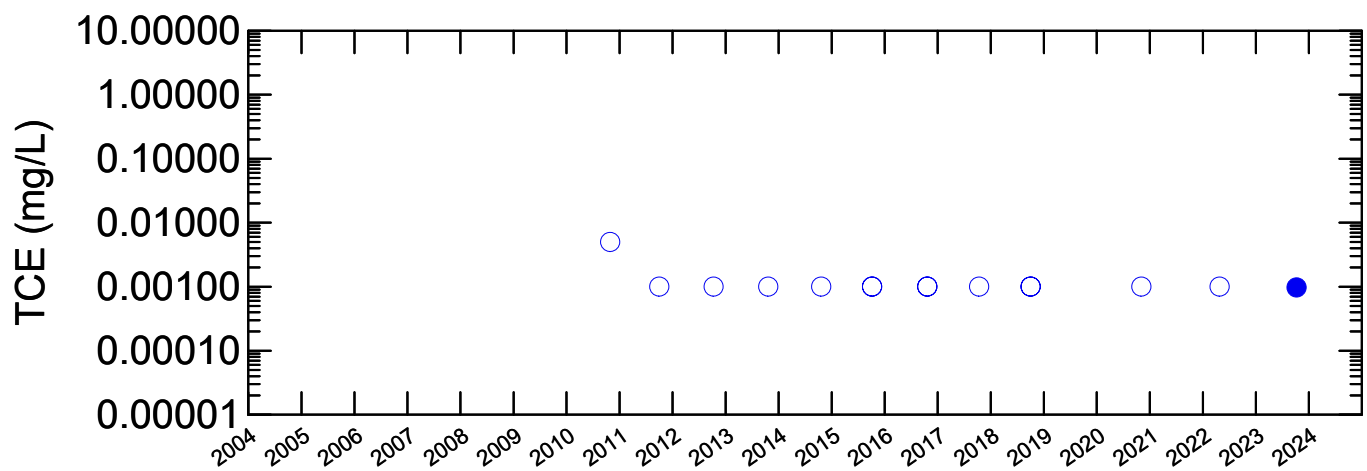


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WELL MW 86



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- Non-detect removed due to high detection limits.

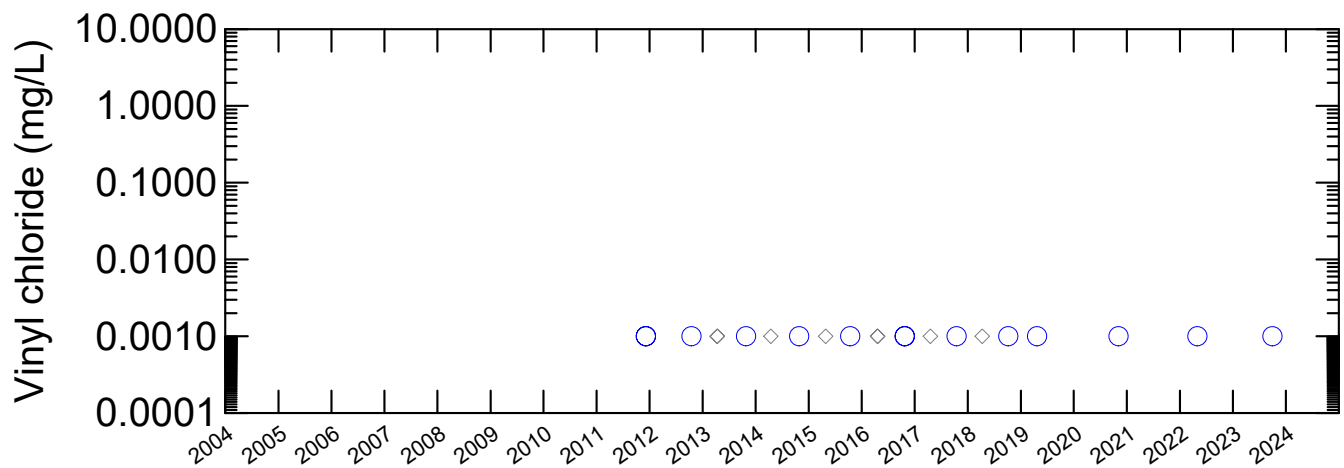
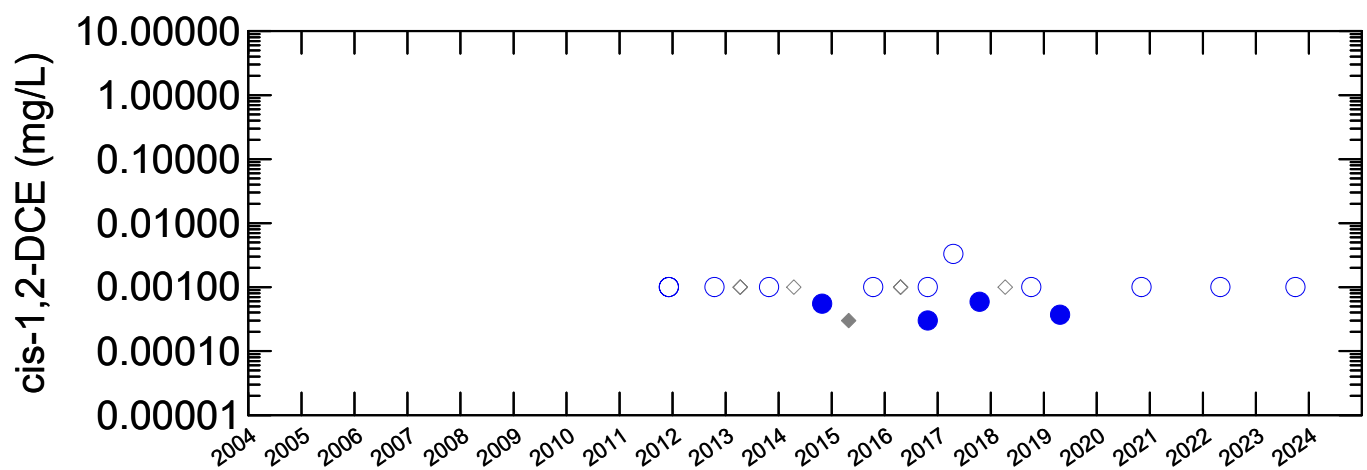
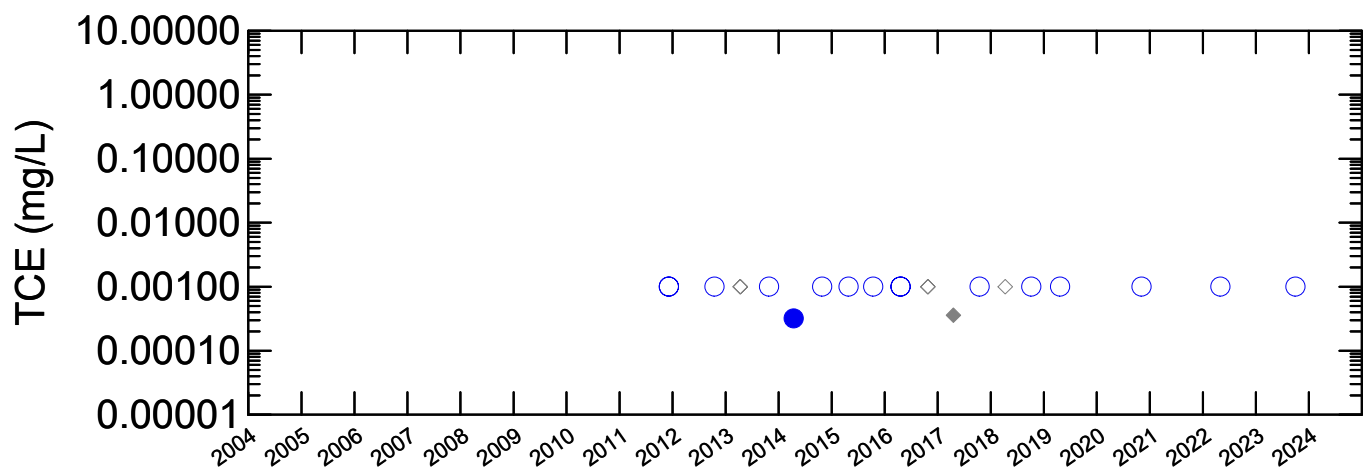


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WELL MW 88



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- ◆ Result removed from calculations due to different sampling frequency.

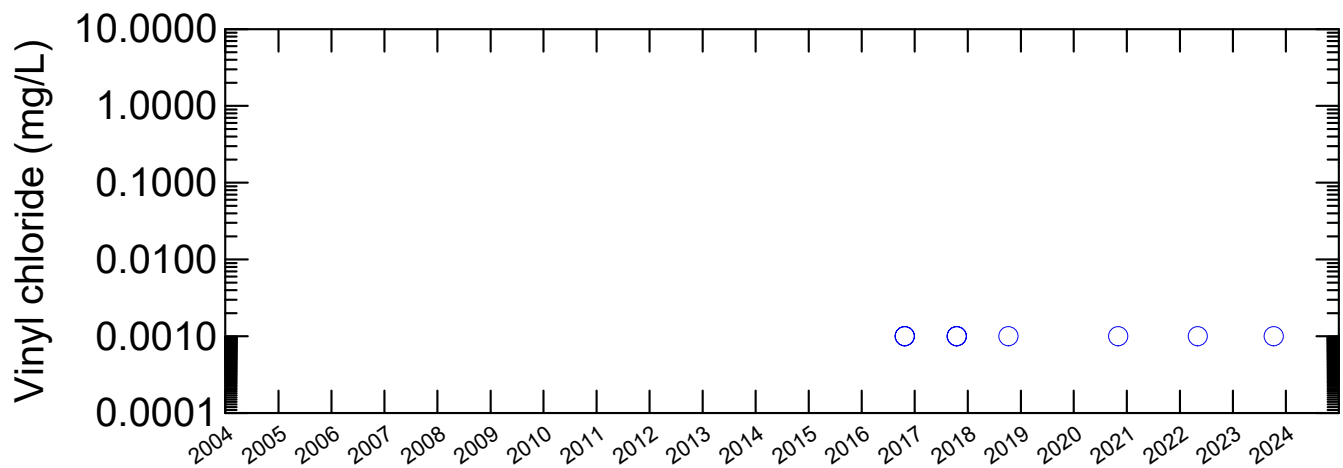
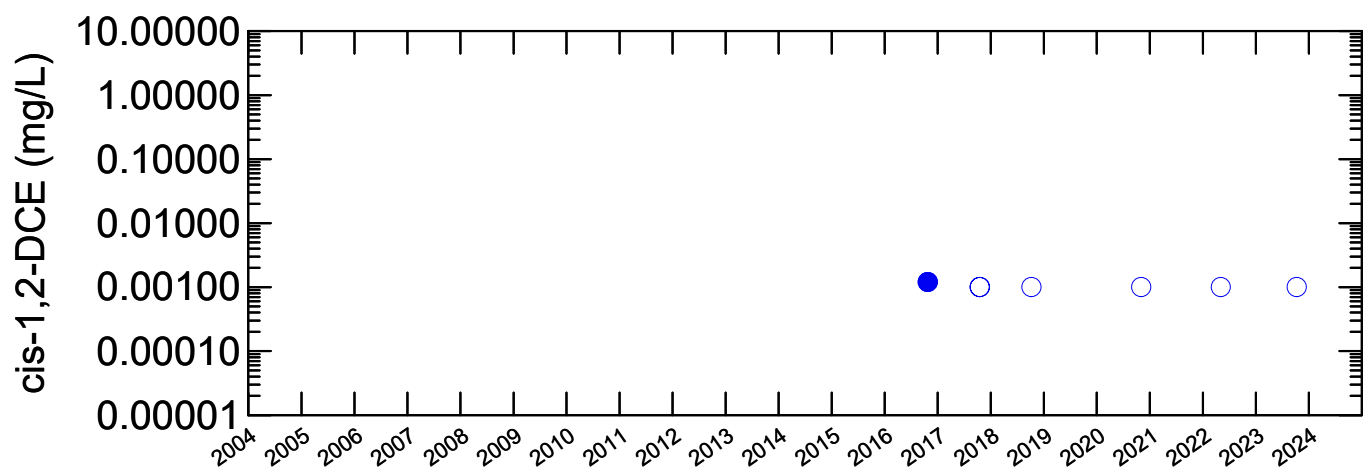
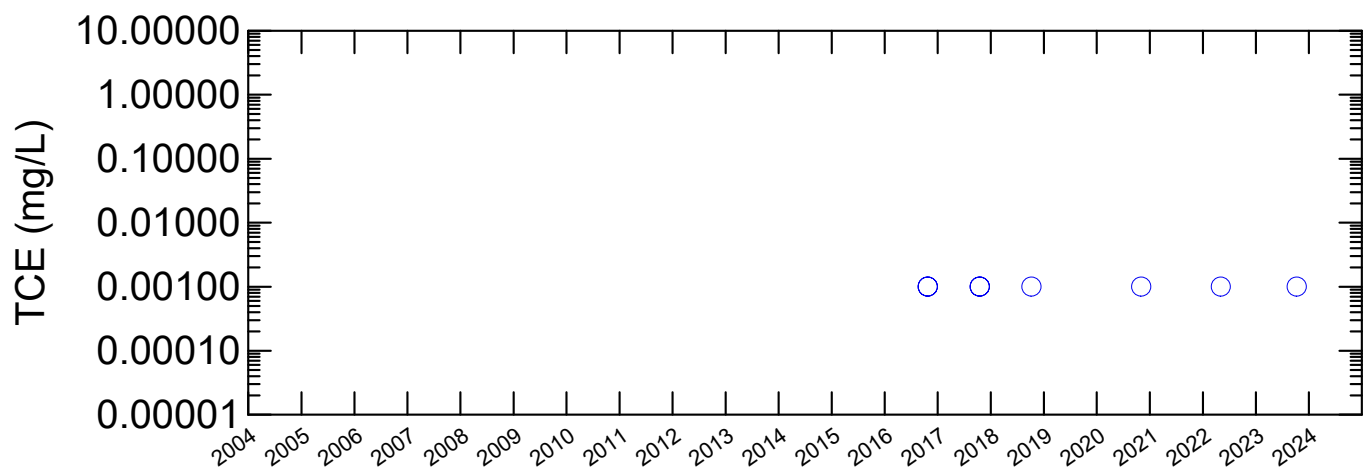


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**WELL
MW 89-11**



Legend:

- Detected Result
- Non-detect (plotted at detection limit)

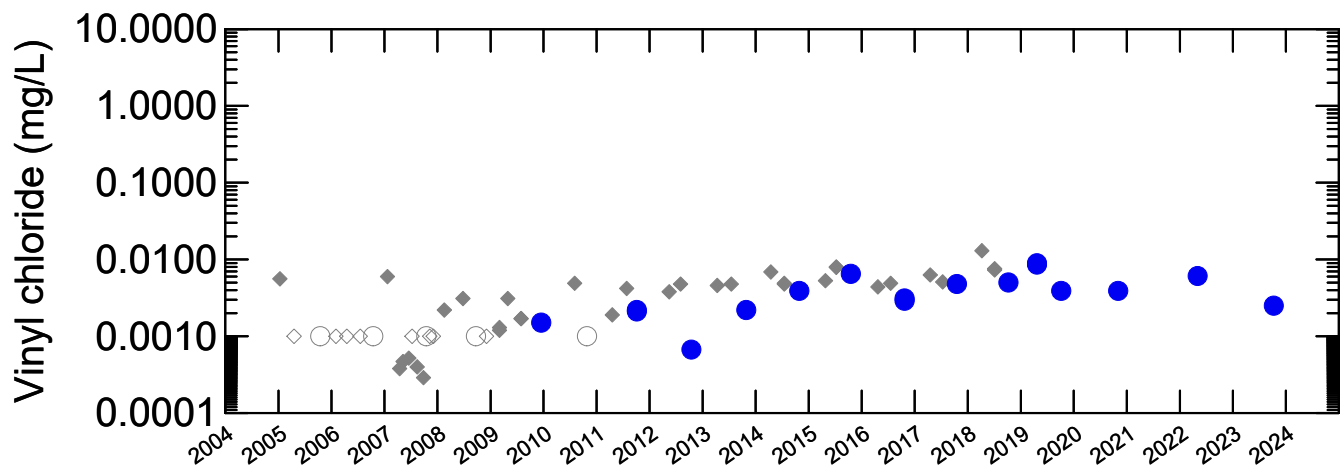
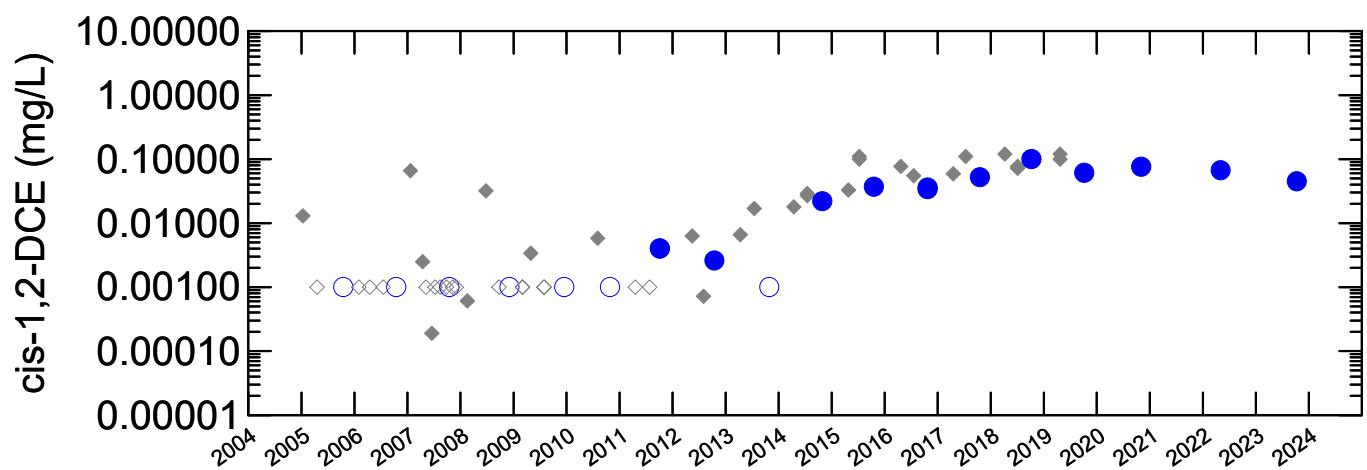
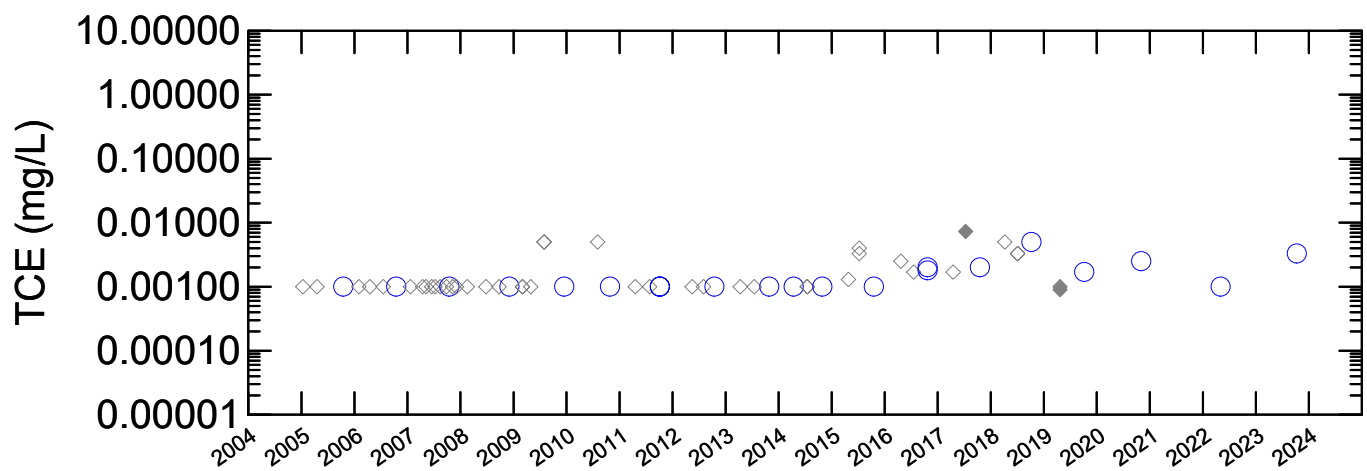


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**WELL
MW97R-16**



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- ◆ Result removed from calculations due to different sampling frequency.
- Non-detect removed due to high detection limits.

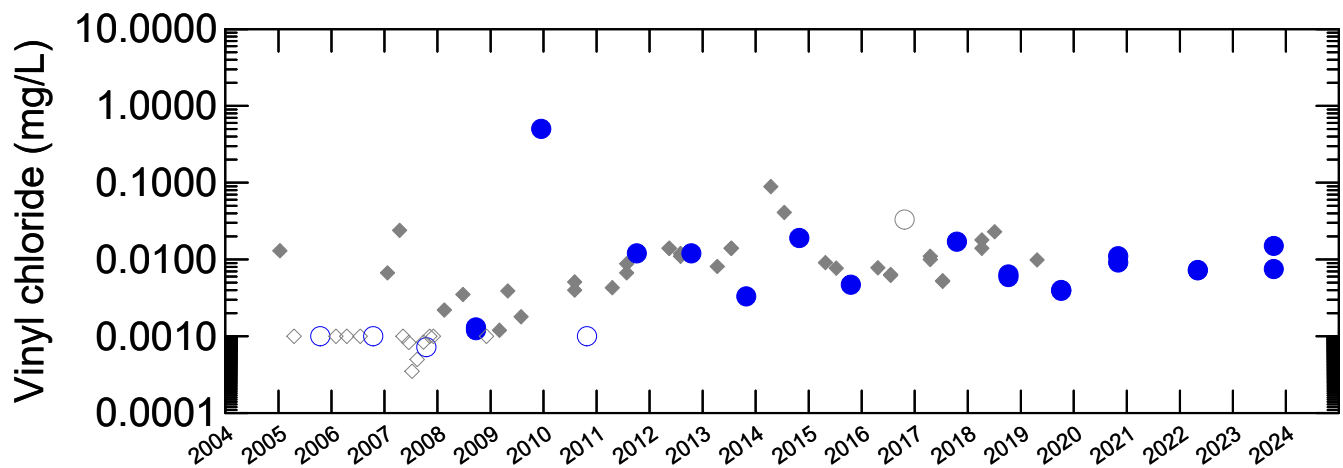
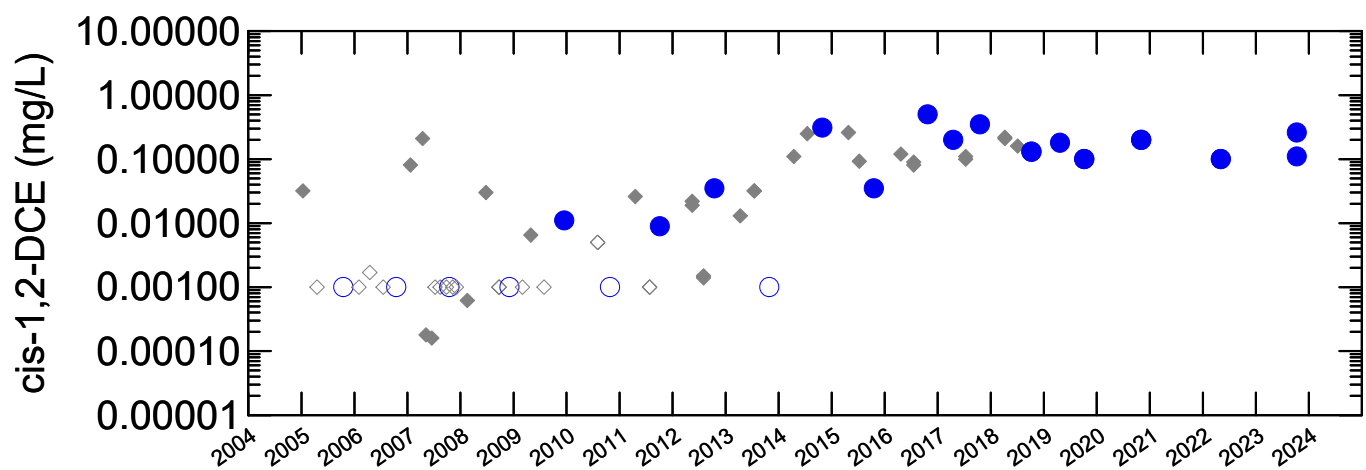
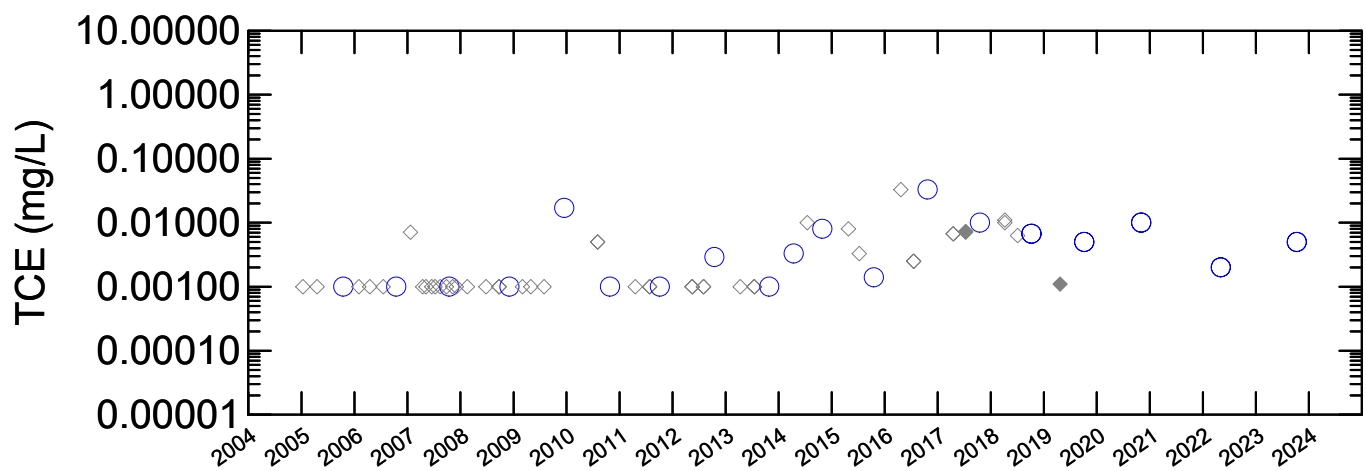


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Pond Intake



Legend:

- Detected Result
- Non-detect (plotted at detection limit)
- ◆ Result removed from calculations due to different sampling frequency.
- Non-detect removed due to high detection limits.



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Pond North

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Analyte	Location	Date	Result (mg/L)	Outlier	Ambiguous Data	Excluded Data
Trichloroethene	MW-2	5/9/2007	0.001 U	-	-	sampling frequency
Trichloroethene	MW-2	7/11/2007	0.001 U	-	-	sampling frequency
Trichloroethene	MW-2	10/15/2007	0.001 U	-	-	-
Trichloroethene	MW-2	6/25/2008	0.001 U	-	-	-
Trichloroethene	MW-2	12/15/2009	0.001 U	-	-	-
Trichloroethene	MW-2	10/26/2010	0.001 U	-	-	-
Trichloroethene	MW-2	10/6/2011	0.001 U	-	-	-
Trichloroethene	MW-2	10/16/2012	0.001 U	-	-	-
Trichloroethene	MW-2	10/24/2013	0.001 U/ 0.001 U	-	-	-
Trichloroethene	MW-2	10/23/2014	0.001 U	-	-	-
Trichloroethene	MW-2	10/13/2015	0.001 U	-	-	-
Trichloroethene	MW-2	10/22/2016	0.001 U	-	-	-
Trichloroethene	MW-2	10/10/2017	0.001 U	-	-	-
Trichloroethene	MW-2	10/3/2018	0.001 U	-	-	-
Trichloroethene	MW-2	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW-2	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW-2	10/10/2023	0.001 U	-	-	-
Trichloroethene	MW 3	2/2/2005	15 / 15	-	-	sampling frequency
Trichloroethene	MW 3	10/18/2005	0.013	-	-	-
Trichloroethene	MW 3	1/31/2006	7.9	-	-	sampling frequency
Trichloroethene	MW 3	4/18/2006	12 / 11	-	-	sampling frequency
Trichloroethene	MW 3	7/18/2006	9.5 / 10	-	-	sampling frequency
Trichloroethene	MW 3	10/18/2006	11 J	-	-	-
Trichloroethene	MW 3	1/24/2007	10 J	-	-	sampling frequency
Trichloroethene	MW 3	4/18/2007	5.9 / 6.2	-	-	sampling frequency
Trichloroethene	MW 3	7/11/2007	11	-	-	sampling frequency
Trichloroethene	MW 3	10/15/2007	11	-	-	-
Trichloroethene	MW 3	2/18/2008	15	-	-	sampling frequency
Trichloroethene	MW 3	6/25/2008	18 / 18	-	-	sampling frequency
Trichloroethene	MW 3	12/5/2008	9.2	-	-	-
Trichloroethene	MW 3	4/29/2009	18	-	-	sampling frequency
Trichloroethene	MW 3	12/15/2009	8 / 8.3	-	-	-
Trichloroethene	MW 3	10/26/2010	5.83 / 6.79	-	-	-
Trichloroethene	MW 3	4/18/2011	14	-	-	sampling frequency
Trichloroethene	MW 3	10/6/2011	10	-	-	-
Trichloroethene	MW 3	5/16/2012	12 J	-	-	sampling frequency
Trichloroethene	MW 3	10/16/2012	4	-	-	-
Trichloroethene	MW 3	4/12/2013	13	-	-	sampling frequency
Trichloroethene	MW 3	10/24/2013	5.3 / 4.8	-	-	-
Trichloroethene	MW 3	4/15/2014	8.6	-	-	sampling frequency
Trichloroethene	MW 3	10/23/2014	4.3	-	-	-
Trichloroethene	MW 3	4/28/2015	8.3	-	-	sampling frequency
Trichloroethene	MW 3	10/13/2015	5.1	-	-	-
Trichloroethene	MW 3	4/19/2016	12	-	-	sampling frequency
Trichloroethene	MW 3	10/22/2016	4.9	-	-	-
Trichloroethene	MW 3	4/18/2017	11	-	-	sampling frequency
Trichloroethene	MW 3	10/10/2017	4.4	-	-	-
Trichloroethene	MW 3	4/9/2018	7.8	-	-	sampling frequency
Trichloroethene	MW 3	10/3/2018	8.5	-	-	-
Trichloroethene	MW 3	04/25/2019	7.8	-	-	-
Trichloroethene	MW 3	11/03/2020	2.1	-	-	-
Trichloroethene	MW 3	04/27/2022	14 / 14	-	-	-
Trichloroethene	MW 3	10/10/2023	0.8	-	-	-

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Analyte	Location	Date	Result (mg/L)	Outlier	Ambiguous Data	Excluded Data
Trichloroethene	MW-4	1/18/2005	0.05	-	-	sampling frequency
Trichloroethene	MW-4	10/18/2005	0.83 U	-	high DL	-
Trichloroethene	MW-4	2/1/2006	0.001 U	-	-	sampling frequency
Trichloroethene	MW-4	4/18/2006	0.25 U	-	-	sampling frequency
Trichloroethene	MW-4	7/18/2006	0.42 U	-	-	sampling frequency
Trichloroethene	MW-4	10/18/2006	0.18 J	-	-	-
Trichloroethene	MW-4	1/24/2007	0.5 UJ	-	-	sampling frequency
Trichloroethene	MW-4	4/18/2007	0.05 UJ	-	-	sampling frequency
Trichloroethene	MW-4	7/11/2007	0.13 U / 1 U	-	-	sampling frequency
Trichloroethene	MW-4	10/15/2007	0.56 U / 0.5 U	-	high DL	-
Trichloroethene	MW-4	2/18/2008	1 U	-	-	sampling frequency
Trichloroethene	MW-4	6/25/2008	0.63 U / 1 U	-	-	sampling frequency
Trichloroethene	MW-4	12/5/2008	1 U	-	high DL	-
Trichloroethene	MW-4	4/29/2009	0.42 U / 0.5 U	-	-	sampling frequency
Trichloroethene	MW-4	12/15/2009	0.069 J / 0.36 J	-	-	-
Trichloroethene	MW-4	10/26/2010	0.0112	-	-	-
Trichloroethene	MW-4	4/18/2011	0.33 U / 0.25 U	-	-	sampling frequency
Trichloroethene	MW-4	10/6/2011	0.092 J	-	-	-
Trichloroethene	MW-4	5/16/2012	0.25 J	-	-	sampling frequency
Trichloroethene	MW-4	10/16/2012	0.99	-	-	-
Trichloroethene	MW-4	4/12/2013	0.74	-	-	sampling frequency
Trichloroethene	MW-4	10/24/2013	1.5	-	-	-
Trichloroethene	MW-4	4/15/2014	0.52 / 0.47 J	-	-	sampling frequency
Trichloroethene	MW-4	10/23/2014	1.7	-	-	-
Trichloroethene	MW-4	4/28/2015	0.5	-	-	sampling frequency
Trichloroethene	MW-4	10/13/2015	1	-	-	-
Trichloroethene	MW-4	4/19/2016	0.8	-	-	sampling frequency
Trichloroethene	MW-4	10/22/2016	1.7	-	-	-
Trichloroethene	MW-4	4/18/2017	1.1	-	-	sampling frequency
Trichloroethene	MW-4	10/10/2017	2.4 / 2.1	-	-	-
Trichloroethene	MW-4	4/9/2018	1.3 / 1.4	-	-	sampling frequency
Trichloroethene	MW-4	10/3/2018	1.6	-	-	-
Trichloroethene	MW-4	04/25/2019	0.8	-	-	-
Trichloroethene	MW-4	11/03/2020	1	-	-	-
Trichloroethene	MW-4	04/27/2022	0.66 / 0.75	-	-	-
Trichloroethene	MW-4	10/10/2023	2.7	-	-	-
Trichloroethene	MW-7	10/16/2012	0.001 U	-	-	-
Trichloroethene	MW-7	10/10/2017	0.001 U/ 0.001 U	-	-	-
Trichloroethene	MW-7	10/3/2018	0.001 U/ 0.001 U	-	-	-
Trichloroethene	MW-7	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW-7	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW-7	10/10/2023	0.001 U	-	-	-
Trichloroethene	MW 8	2/2/2005	0.35	-	-	sampling frequency
Trichloroethene	MW 8	10/18/2005	0.13 J / 0.14 J	-	-	-
Trichloroethene	MW 8	2/1/2006	0.8 J	-	-	sampling frequency
Trichloroethene	MW 8	4/18/2006	0.4 J	-	-	sampling frequency
Trichloroethene	MW 8	7/18/2006	0.15 J	-	-	sampling frequency
Trichloroethene	MW 8	10/18/2006	0.86	-	-	-
Trichloroethene	MW 8	1/24/2007	0.4 J	-	-	sampling frequency
Trichloroethene	MW 8	4/18/2007	0.51 J	-	-	sampling frequency
Trichloroethene	MW 8	7/11/2007	0.84	-	-	sampling frequency
Trichloroethene	MW 8	10/15/2007	1.4	-	-	-
Trichloroethene	MW 8	6/25/2008	0.58 J	-	-	-

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Analyte	Location	Date	Result (mg/L)	Outlier	Ambiguous Data	Excluded Data
Trichloroethene	MW 8	12/15/2009	0.046	-	-	-
Trichloroethene	MW 8	10/26/2010	0.248	-	-	-
Trichloroethene	MW 8	4/18/2011	0.33	-	-	sampling frequency
Trichloroethene	MW 8	10/6/2011	0.34	-	-	-
Trichloroethene	MW 8	5/16/2012	0.071 J / 0.085 J	-	-	sampling frequency
Trichloroethene	MW 8	10/16/2012	0.44	-	-	-
Trichloroethene	MW 8	4/12/2013	0.12 J	-	-	sampling frequency
Trichloroethene	MW 8	10/24/2013	0.42	-	-	-
Trichloroethene	MW 8	4/15/2014	0.19 J	-	-	sampling frequency
Trichloroethene	MW 8	10/23/2014	0.31	-	-	-
Trichloroethene	MW 8	4/28/2015	0.33	-	-	sampling frequency
Trichloroethene	MW 8	10/13/2015	0.42	-	-	-
Trichloroethene	MW 8	4/19/2016	0.16 J / 0.17 J	-	-	sampling frequency
Trichloroethene	MW 8	10/22/2016	0.39	-	-	-
Trichloroethene	MW 8	4/18/2017	0.09 J	-	-	sampling frequency
Trichloroethene	MW 8	10/10/2017	0.37	-	-	-
Trichloroethene	MW 8	4/9/2018	0.15 J	-	-	sampling frequency
Trichloroethene	MW 8	10/3/2018	0.17	-	-	-
Trichloroethene	MW 8	04/25/2019	0.089	-	-	-
Trichloroethene	MW 8	11/03/2020	0.16	-	-	-
Trichloroethene	MW 8	04/27/2022	0.41	-	-	-
Trichloroethene	MW 8	10/10/2023	0.15	-	-	-
Trichloroethene	MW 12	2/2/2005	0.16	-	-	sampling frequency
Trichloroethene	MW 12	10/18/2005	0.11 / 0.13	-	-	-
Trichloroethene	MW 12	1/31/2006	0.15	-	-	sampling frequency
Trichloroethene	MW 12	4/18/2006	0.065	-	-	sampling frequency
Trichloroethene	MW 12	7/18/2006	0.041 / 0.041	-	-	sampling frequency
Trichloroethene	MW 12	10/18/2006	0.09 J	-	-	-
Trichloroethene	MW 12	1/24/2007	0.038	-	-	sampling frequency
Trichloroethene	MW 12	4/18/2007	0.063 U	-	-	sampling frequency
Trichloroethene	MW 12	7/11/2007	0.063	-	-	sampling frequency
Trichloroethene	MW 12	10/15/2007	0.061	-	-	-
Trichloroethene	MW 12	6/25/2008	0.039	-	-	sampling frequency
Trichloroethene	MW 12	12/5/2008	0.036	-	-	-
Trichloroethene	MW 12	4/29/2009	0.028	-	-	sampling frequency
Trichloroethene	MW 12	12/15/2009	0.024	-	-	-
Trichloroethene	MW 12	10/26/2010	0.0099	-	-	-
Trichloroethene	MW 12	4/18/2011	0.0098 J	-	-	sampling frequency
Trichloroethene	MW 12	10/6/2011	0.0073 J	-	-	-
Trichloroethene	MW 12	5/16/2012	0.0058 J	-	-	sampling frequency
Trichloroethene	MW 12	10/16/2012	0.004 J	-	-	-
Trichloroethene	MW 12	4/12/2013	0.0059 J	-	-	sampling frequency
Trichloroethene	MW 12	10/24/2013	0.003 J	-	-	-
Trichloroethene	MW 12	4/15/2014	0.0017 J	-	-	sampling frequency
Trichloroethene	MW 12	10/23/2014	0.0013 J / 0.0012 J	-	-	-
Trichloroethene	MW 12	4/28/2015	0.0057 U	-	-	sampling frequency
Trichloroethene	MW 12	10/13/2015	0.005 U	-	high DL	-
Trichloroethene	MW 12	4/19/2016	0.005 U	-	-	sampling frequency
Trichloroethene	MW 12	10/22/2016	0.005 U	-	high DL	-
Trichloroethene	MW 12	4/18/2017	0.00085 J	-	-	sampling frequency
Trichloroethene	MW 12	10/10/2017	0.0033 U	-	high DL	-
Trichloroethene	MW 12	4/9/2018	0.0026 J	-	-	sampling frequency
Trichloroethene	MW 12	10/3/2018	0.005 U	-	high DL	-

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Analyte	Location	Date	Result (mg/L)	Outlier	Ambiguous Data	Excluded Data
Trichloroethene	MW 12	04/25/2019	0.00048 J	-	-	-
Trichloroethene	MW 12	11/03/2020	0.00028 J	-	-	-
Trichloroethene	MW 12	04/27/2022	0.001 U	-	high DL	-
Trichloroethene	MW 12	10/10/2023	0.00045 J	-	-	-
Trichloroethene	MW 14	2/2/2005	0.05 U	-	-	sampling frequency
Trichloroethene	MW 14	10/18/2005	0.001 U	-	-	-
Trichloroethene	MW 14	2/1/2006	0.5 U	-	-	sampling frequency
Trichloroethene	MW 14	4/18/2006	0.25 U	-	-	sampling frequency
Trichloroethene	MW 14	7/18/2006	0.25 U	-	-	sampling frequency
Trichloroethene	MW 14	10/18/2006	0.36 U	-	-	-
Trichloroethene	MW 14	1/24/2007	0.25 UJ	-	-	sampling frequency
Trichloroethene	MW 14	4/18/2007	0.028 UJ	-	-	sampling frequency
Trichloroethene	MW 14	7/11/2007	0.33 U	-	-	sampling frequency
Trichloroethene	MW 14	10/15/2007	0.42 U	-	-	-
Trichloroethene	MW 14	6/25/2008	0.001	-	-	sampling frequency
Trichloroethene	MW 14	12/5/2008	0.5 U	-	-	-
Trichloroethene	MW 14	4/29/2009	0.25 U	-	-	sampling frequency
Trichloroethene	MW 14	12/15/2009	0.0054 J	-	-	-
Trichloroethene	MW 14	10/26/2010	0.01 U	-	-	-
Trichloroethene	MW 14	4/18/2011	0.17 U	-	-	sampling frequency
Trichloroethene	MW 14	10/6/2011	0.2 U	-	-	-
Trichloroethene	MW 14	5/16/2012	0.17 U	-	-	sampling frequency
Trichloroethene	MW 14	10/16/2012	0.2 U	-	-	-
Trichloroethene	MW 14	4/12/2013	0.17 U / 0.17 U	-	-	sampling frequency
Trichloroethene	MW 14	10/24/2013	0.2 U / 0.25 U	-	-	-
Trichloroethene	MW 14	4/15/2014	0.17 U / 0.17 U	-	-	sampling frequency
Trichloroethene	MW 14	10/23/2014	0.33 U	-	-	-
Trichloroethene	MW 14	4/28/2015	0.2 U / 0.2 U	-	-	sampling frequency
Trichloroethene	MW 14	10/13/2015	0.2 U	-	-	-
Trichloroethene	MW 14	4/19/2016	0.17 U	-	-	sampling frequency
Trichloroethene	MW 14	10/22/2016	0.2 U	-	-	-
Trichloroethene	MW 14	4/18/2017	0.13 U / 0.13 U	-	-	sampling frequency
Trichloroethene	MW 14	10/10/2017	0.2 U / 0.2 U	-	-	-
Trichloroethene	MW 14	4/9/2018	0.2 U	-	-	sampling frequency
Trichloroethene	MW 14	10/3/2018	0.2 U	-	-	-
Trichloroethene	MW 14	04/25/2019	0.14U	-	-	-
Trichloroethene	MW 14	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 14	04/27/2022	0.13U / 0.13U	-	-	-
Trichloroethene	MW 14	10/10/2023	0.1 U / 0.1U	-	-	-
Trichloroethene	MW 15	2/2/2005	6.7	-	-	sampling frequency
Trichloroethene	MW 15	10/18/2005	6.9	-	-	-
Trichloroethene	MW 15	2/1/2006	8.3	-	-	sampling frequency
Trichloroethene	MW 15	4/18/2006	6	-	-	sampling frequency
Trichloroethene	MW 15	7/18/2006	5.3	-	-	sampling frequency
Trichloroethene	MW 15	10/18/2006	7.2 J	-	-	-
Trichloroethene	MW 15	1/24/2007	6.1	-	-	sampling frequency
Trichloroethene	MW 15	4/18/2007	4.9	-	-	sampling frequency
Trichloroethene	MW 15	7/11/2007	9.4 / 10	-	-	sampling frequency
Trichloroethene	MW 15	10/15/2007	8	-	-	-
Trichloroethene	MW 15	2/18/2008	7.4	-	-	-
Trichloroethene	MW 15	10/24/2013	8.3	-	-	-
Trichloroethene	MW 15	10/23/2014	5.5	-	-	-
Trichloroethene	MW 15	10/13/2015	3	-	-	-

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Trichloroethene	MW 15	10/22/2016	2.5	-	-	-
Trichloroethene	MW 15	10/10/2017	4.1	-	-	-
Trichloroethene	MW 15	10/3/2018	3.7	-	-	-
Trichloroethene	MW 15	11/03/2020	2.5	-	-	-
Trichloroethene	MW 15	04/27/2022	7.1	-	-	-
Trichloroethene	MW 15	10/10/2023	2	-	-	-
Trichloroethene	MW 16	1/18/2005	0.001 U	-	-	-
Trichloroethene	MW 16	10/24/2013	0.001 U	-	-	-
Trichloroethene	MW 16	4/15/2014	0.001 U	-	-	-
Trichloroethene	MW 16	10/13/2015	0.001 U	-	-	-
Trichloroethene	MW 16	10/22/2016	0.001 U	-	-	-
Trichloroethene	MW 16	10/10/2017	0.0017	-	-	-
Trichloroethene	MW 16	10/3/2018	0.005 U	-	-	-
Trichloroethene	MW 16	10/08/2019	0.63U	-	-	-
Trichloroethene	MW 16	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 16	04/27/2022	1.9	-	-	-
Trichloroethene	MW 16	10/10/2023	3.8	-	-	-
Trichloroethene	MW 21	2/2/2005	0.001 U	-	-	sampling frequency
Trichloroethene	MW 21	10/18/2005	0.001 U	-	-	-
Trichloroethene	MW 21	2/1/2006	0.00066 J	-	-	sampling frequency
Trichloroethene	MW 21	4/18/2006	0.001 U	-	-	sampling frequency
Trichloroethene	MW 21	7/18/2006	0.001 U	-	-	sampling frequency
Trichloroethene	MW 21	10/18/2006	0.001 U	-	-	-
Trichloroethene	MW 21	1/24/2007	0.001 U	-	-	sampling frequency
Trichloroethene	MW 21	4/18/2007	0.001 U	-	-	sampling frequency
Trichloroethene	MW 21	7/11/2007	0.001 U	-	-	sampling frequency
Trichloroethene	MW 21	10/15/2007	0.001 U	-	-	-
Trichloroethene	MW 21	10/13/2015	0.001 U	-	-	-
Trichloroethene	MW 21	10/22/2016	0.001 U	-	-	-
Trichloroethene	MW 21	10/10/2017	0.001 U	-	-	-
Trichloroethene	MW 21	10/3/2018	0.0013	-	-	-
Trichloroethene	MW 21	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 21	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW 21	10/10/2023	0.001 U	-	-	-
Trichloroethene	MW 28	10/18/2005	0.0063 U	-	-	-
Trichloroethene	MW 28	10/18/2006	0.00015 J	-	-	-
Trichloroethene	MW 28	10/15/2007	0.0071 U	-	-	-
Trichloroethene	MW 28	6/25/2008	0.0042 U	-	-	sampling frequency
Trichloroethene	MW 28	12/5/2008	0.005 U	-	-	-
Trichloroethene	MW 28	4/29/2009	0.005 U	-	-	sampling frequency
Trichloroethene	MW 28	12/15/2009	0.0063 U	-	-	-
Trichloroethene	MW 28	10/26/2010	0.005 U	-	-	-
Trichloroethene	MW 28	4/18/2011	0.002 U	-	-	sampling frequency
Trichloroethene	MW 28	10/6/2011	0.0033 U	-	-	-
Trichloroethene	MW 28	5/16/2012	0.0033 U	-	-	sampling frequency
Trichloroethene	MW 28	10/16/2012	0.004 U	-	-	-
Trichloroethene	MW 28	4/12/2013	0.0067 U	-	-	sampling frequency
Trichloroethene	MW 28	10/24/2013	0.0091 U	-	-	-
Trichloroethene	MW 28	4/15/2014	0.014 U / 0.014 U	-	-	sampling frequency
Trichloroethene	MW 28	10/23/2014	0.02 U	-	-	-
Trichloroethene	MW 28	4/28/2015	0.025 U	-	-	sampling frequency
Trichloroethene	MW 28	10/13/2015	0.04 U	-	-	-
Trichloroethene	MW 28	4/19/2016	0.033 U	-	-	sampling frequency

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Trichloroethene	MW 28	10/22/2016	0.05 U	-	-	-
Trichloroethene	MW 28	4/18/2017	0.025 U	-	-	sampling frequency
Trichloroethene	MW 28	10/10/2017	0.04 U	-	-	-
Trichloroethene	MW 28	4/9/2018	0.05 U	-	-	sampling frequency
Trichloroethene	MW 28	10/3/2018	0.067 U / 0.067 U	-	-	-
Trichloroethene	MW 28	04/25/2019	0.04U	-	-	-
Trichloroethene	MW 28	11/03/2020	0.067U	-	-	-
Trichloroethene	MW 28	04/27/2022	0.08U	-	-	-
Trichloroethene	MW 28	10/10/2023	0.1 U	-	-	-
Trichloroethene	MW 31R	10/18/2005	2.1 J	-	-	-
Trichloroethene	MW 31R	1/31/2006	2.5	-	-	sampling frequency
Trichloroethene	MW 31R	4/18/2006	1.4	-	-	sampling frequency
Trichloroethene	MW 31R	7/18/2006	0.18 J	-	-	sampling frequency
Trichloroethene	MW 31R	10/18/2006	0.12 J / 0.13 J	-	-	-
Trichloroethene	MW 31R	1/24/2007	0.87 J / 0.97 J	-	-	sampling frequency
Trichloroethene	MW 31R	4/18/2007	0.93 J	-	-	sampling frequency
Trichloroethene	MW 31R	7/11/2007	1 U	-	-	sampling frequency
Trichloroethene	MW 31R	10/15/2007	0.1 U	-	high DL	-
Trichloroethene	MW 31R	2/18/2008	0.67 J / 0.74 J	-	-	sampling frequency
Trichloroethene	MW 31R	12/5/2008	0.83 U	-	high DL	-
Trichloroethene	MW 31R	4/29/2009	0.54	-	-	sampling frequency
Trichloroethene	MW 31R	12/15/2009	2.3	-	-	-
Trichloroethene	MW 31R	10/26/2010	0.0416	-	-	-
Trichloroethene	MW 31R	4/18/2011	0.34	-	-	sampling frequency
Trichloroethene	MW 31R	10/6/2011	0.32	-	-	-
Trichloroethene	MW 31R	5/16/2012	0.25 U	-	-	sampling frequency
Trichloroethene	MW 31R	10/16/2012	0.078 J	-	-	-
Trichloroethene	MW 31R	4/12/2013	0.057 J	-	-	sampling frequency
Trichloroethene	MW 31R	10/24/2013	0.15 J	-	-	-
Trichloroethene	MW 31R	4/15/2014	0.12 J	-	-	sampling frequency
Trichloroethene	MW 31R	10/23/2014	0.04 J	-	-	-
Trichloroethene	MW 31R	4/28/2015	0.5 U	-	-	sampling frequency
Trichloroethene	MW 31R	10/13/2015	0.25 U	-	high DL	-
Trichloroethene	MW 31R	4/19/2016	0.5 U	-	-	sampling frequency
Trichloroethene	MW 31R	10/22/2016	0.71 U / 0.71 U	-	high DL	-
Trichloroethene	MW 31R	4/18/2017	0.63 U	-	-	sampling frequency
Trichloroethene	MW 31R	10/10/2017	0.83 U	-	high DL	-
Trichloroethene	MW 31R	4/9/2018	1 U	-	-	sampling frequency
Trichloroethene	MW 31R	10/3/2018	1 U / 1 U	-	high DL	-
Trichloroethene	MW 31R	04/25/2019	5 U	-	high DL	-
Trichloroethene	MW 31R	11/03/2020	0.038J	-	-	-
Trichloroethene	MW 31R	04/27/2022	1 U	-	high DL	-
Trichloroethene	MW 31R	10/10/2023	0.4 U	-	high DL	-
Trichloroethene	MW 37	1/18/2005	0.001 U / 0.001 U	-	-	-
Trichloroethene	MW 37	10/15/2007	0.001 U	-	-	-
Trichloroethene	MW 37	6/25/2008	0.001 U	-	-	-
Trichloroethene	MW 37	12/15/2009	0.001 U	-	-	-
Trichloroethene	MW 37	10/26/2010	0.001 U	-	-	-
Trichloroethene	MW 37	10/6/2011	0.001 U	-	-	-
Trichloroethene	MW 37	10/16/2012	0.001 U / 0.001 U	-	-	-
Trichloroethene	MW 37	10/24/2013	0.001 U	-	-	-
Trichloroethene	MW 37	10/23/2014	0.001 U	-	-	-
Trichloroethene	MW 37	10/13/2015	0.001 U	-	-	-

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Trichloroethene	MW 37	10/22/2016	0.001 U	-	-	-
Trichloroethene	MW 37	10/10/2017	0.001 U	-	-	-
Trichloroethene	MW 37	10/3/2018	0.001 U	-	-	-
Trichloroethene	MW 37	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 37	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW 37	10/10/2023	0.001 U	-	-	-
Trichloroethene	MW 40	1/18/2005	0.1 U	-	-	sampling frequency
Trichloroethene	MW 40	10/18/2005	0.0013 U	-	high DL	-
Trichloroethene	MW 40	1/31/2006	0.5 U	-	-	sampling frequency
Trichloroethene	MW 40	4/18/2006	0.63 U	-	-	sampling frequency
Trichloroethene	MW 40	7/18/2006	0.63 U	-	-	sampling frequency
Trichloroethene	MW 40	10/18/2006	0.0011	-	-	-
Trichloroethene	MW 40	1/24/2007	0.5 UJ	-	-	sampling frequency
Trichloroethene	MW 40	4/18/2007	0.042 UJ	-	-	sampling frequency
Trichloroethene	MW 40	7/11/2007	0.83 U	-	-	sampling frequency
Trichloroethene	MW 40	10/15/2007	0.5 U	-	high DL	-
Trichloroethene	MW 40	2/18/2008	0.63 U	-	-	sampling frequency
Trichloroethene	MW 40	6/25/2008	0.14 J	-	-	sampling frequency
Trichloroethene	MW 40	12/5/2008	0.71 U / 0.83 U	-	high DL	-
Trichloroethene	MW 40	4/29/2009	0.5 U	-	-	sampling frequency
Trichloroethene	MW 40	12/15/2009	0.25 U	-	high DL	-
Trichloroethene	MW 40	10/26/2010	0.125 U	-	high DL	-
Trichloroethene	MW 40	4/18/2011	0.25 U	-	-	sampling frequency
Trichloroethene	MW 40	10/6/2011	0.25 U	-	high DL	-
Trichloroethene	MW 40	5/16/2012	0.13 J	-	-	sampling frequency
Trichloroethene	MW 40	10/16/2012	0.073 J	-	-	-
Trichloroethene	MW 40	4/12/2013	0.13 J	-	-	sampling frequency
Trichloroethene	MW 40	10/24/2013	0.15 J	-	-	-
Trichloroethene	MW 40	4/15/2014	0.22 J	-	-	sampling frequency
Trichloroethene	MW 40	10/23/2014	0.21 J	-	-	-
Trichloroethene	MW 40	4/28/2015	0.32 J	-	-	sampling frequency
Trichloroethene	MW 40	10/13/2015	0.26	-	-	-
Trichloroethene	MW 40	4/19/2016	0.31	-	-	sampling frequency
Trichloroethene	MW 40	10/22/2016	0.16 J	-	-	-
Trichloroethene	MW 40	4/18/2017	0.4	-	-	sampling frequency
Trichloroethene	MW 40	10/10/2017	0.36 / 0.35	-	-	-
Trichloroethene	MW 40	4/9/2018	0.34	-	-	sampling frequency
Trichloroethene	MW 40	10/3/2018	0.28	-	-	-
Trichloroethene	MW 40	04/25/2019	0.2 U	-	high DL	-
Trichloroethene	MW 40	11/03/2020	0.18	-	-	-
Trichloroethene	MW 40	04/27/2022	0.17J	-	-	-
Trichloroethene	MW 40	10/10/2023	0.11	-	-	-
Trichloroethene	MW 41	10/18/2005	0.28 U	-	-	-
Trichloroethene	MW 41	1/31/2006	0.5 U	-	-	sampling frequency
Trichloroethene	MW 41	4/18/2006	0.00015 J / 0.00017 J	-	-	sampling frequency
Trichloroethene	MW 41	7/18/2006	0.31 U	-	-	sampling frequency
Trichloroethene	MW 41	10/18/2006	0.5 U	-	-	-
Trichloroethene	MW 41	1/24/2007	0.5 UJ	-	-	sampling frequency
Trichloroethene	MW 41	4/18/2007	0.031 UJ / 0.013 U	-	-	sampling frequency
Trichloroethene	MW 41	7/11/2007	0.63 U	-	-	sampling frequency
Trichloroethene	MW 41	10/15/2007	0.5 U	-	-	-
Trichloroethene	MW 41	2/18/2008	0.42 U	-	-	sampling frequency
Trichloroethene	MW 41	6/25/2008	0.5 U	-	-	sampling frequency

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Trichloroethene	MW 41	12/5/2008	0.5 U	-	-	-
Trichloroethene	MW 41	4/29/2009	0.5 U	-	-	sampling frequency
Trichloroethene	MW 41	12/15/2009	0.25 U	-	-	-
Trichloroethene	MW 41	10/26/2010	0.125 U	-	-	-
Trichloroethene	MW 41	4/18/2011	0.17 U	-	-	sampling frequency
Trichloroethene	MW 41	10/6/2011	0.2 U	-	-	-
Trichloroethene	MW 41	5/16/2012	0.2 U	-	-	sampling frequency
Trichloroethene	MW 41	10/16/2012	0.2 U	-	-	-
Trichloroethene	MW 41	4/12/2013	0.2 U	-	-	sampling frequency
Trichloroethene	MW 41	10/24/2013	0.33 U	-	-	-
Trichloroethene	MW 41	4/15/2014	0.2 U	-	-	sampling frequency
Trichloroethene	MW 41	10/23/2014	0.63 U	-	-	-
Trichloroethene	MW 41	4/28/2015	0.33 U	-	-	sampling frequency
Trichloroethene	MW 41	10/13/2015	0.33 U / 0.25 U	-	-	-
Trichloroethene	MW 41	4/19/2016	0.2 U	-	-	sampling frequency
Trichloroethene	MW 41	10/22/2016	0.33 U	-	-	-
Trichloroethene	MW 41	4/18/2017	0.2 U	-	-	sampling frequency
Trichloroethene	MW 41	10/10/2017	0.2 U	-	-	-
Trichloroethene	MW 41	4/9/2018	0.33 U	-	-	sampling frequency
Trichloroethene	MW 41	10/3/2018	0.33 U	-	-	-
Trichloroethene	MW 41	04/25/2019	0.2U / 0.2U	-	-	-
Trichloroethene	MW 41	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 41	04/27/2022	0.1U	-	-	-
Trichloroethene	MW 41	10/10/2023	0.2 U	-	-	-
Trichloroethene	MW 42	10/18/2005	0.001 U	-	-	-
Trichloroethene	MW 42	1/31/2006	0.5 U / 0.5 U	-	-	sampling frequency
Trichloroethene	MW 42	4/18/2006	0.00011 J	-	-	sampling frequency
Trichloroethene	MW 42	7/18/2006	0.31 U	-	-	sampling frequency
Trichloroethene	MW 42	10/18/2006	0.42 U	-	-	-
Trichloroethene	MW 42	1/24/2007	0.5 UJ / 0.5 UJ	-	-	sampling frequency
Trichloroethene	MW 42	4/18/2007	0.031 UJ	-	-	sampling frequency
Trichloroethene	MW 42	7/11/2007	0.71 U	-	-	sampling frequency
Trichloroethene	MW 42	10/15/2007	0.5 U	-	-	-
Trichloroethene	MW 42	2/18/2008	0.42 U	-	-	sampling frequency
Trichloroethene	MW 42	6/25/2008	0.5 U	-	-	sampling frequency
Trichloroethene	MW 42	12/5/2008	0.5 U	-	-	-
Trichloroethene	MW 42	4/29/2009	0.5 U	-	-	sampling frequency
Trichloroethene	MW 42	12/15/2009	0.25 U	-	-	-
Trichloroethene	MW 42	10/26/2010	0.125 U	-	-	-
Trichloroethene	MW 42	4/18/2011	0.17 U	-	-	sampling frequency
Trichloroethene	MW 42	10/6/2011	0.2 U	-	-	-
Trichloroethene	MW 42	5/16/2012	0.25 U	-	-	sampling frequency
Trichloroethene	MW 42	10/16/2012	0.17 U	-	-	-
Trichloroethene	MW 42	4/12/2013	0.2 U	-	-	sampling frequency
Trichloroethene	MW 42	10/24/2013	0.2 U	-	-	-
Trichloroethene	MW 42	4/15/2014	0.17 U	-	-	sampling frequency
Trichloroethene	MW 42	10/23/2014	0.2 U	-	-	-
Trichloroethene	MW 42	4/28/2015	0.2 U	-	-	sampling frequency
Trichloroethene	MW 42	10/13/2015	0.17 U	-	-	-
Trichloroethene	MW 42	4/19/2016	0.17 U	-	-	sampling frequency
Trichloroethene	MW 42	10/22/2016	0.2 U	-	-	-
Trichloroethene	MW 42	4/18/2017	0.035 J	-	-	sampling frequency
Trichloroethene	MW 42	10/10/2017	0.1 U	-	-	-

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Trichloroethene	MW 42	4/9/2018	0.2 U	-	-	sampling frequency
Trichloroethene	MW 42	10/3/2018	0.2 U	-	-	-
Trichloroethene	MW 42	04/25/2019	0.1U	-	-	-
Trichloroethene	MW 42	11/03/2020	0.0072	-	-	-
Trichloroethene	MW 42	04/27/2022	0.1U	-	-	-
Trichloroethene	MW 42	10/10/2023	0.013	-	-	-
Trichloroethene	MW 46	1/18/2005	0.001 U	-	-	-
Trichloroethene	MW 46	10/15/2007	0.00013 J / 0.00012 J	-	-	-
Trichloroethene	MW 46	6/25/2008	0.001 U	-	-	-
Trichloroethene	MW 46	12/15/2009	0.00018 J	-	-	-
Trichloroethene	MW 46	10/26/2010	0.005 U	-	-	-
Trichloroethene	MW 46	10/6/2011	0.001 U	-	-	-
Trichloroethene	MW 46	10/16/2012	0.001 U	-	-	-
Trichloroethene	MW 46	10/24/2013	0.001 U	-	-	-
Trichloroethene	MW 46	10/23/2014	0.001 U	-	-	-
Trichloroethene	MW 46	10/13/2015	0.001 U	-	-	-
Trichloroethene	MW 46	10/22/2016	0.001 U	-	-	-
Trichloroethene	MW 46	10/10/2017	0.001 U	-	-	-
Trichloroethene	MW 46	10/3/2018	0.00015 J	-	-	-
Trichloroethene	MW 46	10/08/2019	0.001 U	-	-	-
Trichloroethene	MW 46	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 46	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW 46	10/10/2023	0.001 U	-	-	-
Trichloroethene	MW 49	1/18/2005	0.001 U	-	high DL	-
Trichloroethene	MW 49	10/15/2007	0.00042 J	-	-	-
Trichloroethene	MW 49	2/18/2008	0.0025 U	-	-	sampling frequency
Trichloroethene	MW 49	6/25/2008	0.00041 J	-	-	sampling frequency
Trichloroethene	MW 49	12/5/2008	0.00084 J	-	-	-
Trichloroethene	MW 49	4/29/2009	0.0013 J	-	-	sampling frequency
Trichloroethene	MW 49	12/15/2009	0.0007 J	-	-	-
Trichloroethene	MW 49	10/26/2010	0.001 U	-	high DL	-
Trichloroethene	MW 49	4/18/2011	0.017 U	-	-	sampling frequency
Trichloroethene	MW 49	10/6/2011	0.025 U	-	high DL	-
Trichloroethene	MW 49	5/16/2012	0.025 U	-	-	sampling frequency
Trichloroethene	MW 49	10/16/2012	0.033 U	-	high DL	-
Trichloroethene	MW 49	4/12/2013	0.033 U	-	-	sampling frequency
Trichloroethene	MW 49	10/24/2013	0.033 U	-	high DL	-
Trichloroethene	MW 49	4/15/2014	0.00085 J	-	-	sampling frequency
Trichloroethene	MW 49	10/23/2014	0.033 U	-	-	-
Trichloroethene	MW 49	4/28/2015	0.033 U	-	-	sampling frequency
Trichloroethene	MW 49	10/13/2015	0.04 U	-	high DL	-
Trichloroethene	MW 49	4/19/2016	0.033 U	-	high DL	-
Trichloroethene	MW 49	4/9/2018	0.05 U	-	-	sampling frequency
Trichloroethene	MW 49	10/3/2018	0.047	-	-	-
Trichloroethene	MW 49	04/25/2019	0.029J	-	-	sampling frequency
Trichloroethene	MW 49	10/08/2019	0.05 U / 0.05 U	-	high DL	-
Trichloroethene	MW 49	11/03/2020	0.021J	-	-	-
Trichloroethene	MW 49	04/27/2022	0.088	-	-	-
Trichloroethene	MW 49	10/10/2023	0.11	-	-	-
Trichloroethene	MW 51	12/5/2008	0.28 / 0.29	-	-	-
Trichloroethene	MW 51	4/29/2009	0.19	-	-	sampling frequency
Trichloroethene	MW 51	12/15/2009	0.3	-	-	-
Trichloroethene	MW 51	10/26/2010	0.24 J	-	-	-

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Trichloroethene	MW 51	4/18/2011	0.18	-	-	sampling frequency
Trichloroethene	MW 51	10/6/2011	0.21	-	-	-
Trichloroethene	MW 51	5/16/2012	0.18	-	-	sampling frequency
Trichloroethene	MW 51	10/16/2012	0.2	-	-	-
Trichloroethene	MW 51	4/12/2013	0.21	-	-	sampling frequency
Trichloroethene	MW 51	10/24/2013	0.19	-	-	-
Trichloroethene	MW 51	4/15/2014	0.16	-	-	sampling frequency
Trichloroethene	MW 51	10/23/2014	0.18	-	-	-
Trichloroethene	MW 51	4/28/2015	0.16 / 0.14	-	-	sampling frequency
Trichloroethene	MW 51	10/13/2015	0.16	-	-	-
Trichloroethene	MW 51	4/19/2016	0.15	-	-	sampling frequency
Trichloroethene	MW 51	10/22/2016	0.14	-	-	-
Trichloroethene	MW 51	4/18/2017	0.14	-	-	sampling frequency
Trichloroethene	MW 51	10/10/2017	0.15	-	-	-
Trichloroethene	MW 51	4/9/2018	0.087 / 0.097	-	-	sampling frequency
Trichloroethene	MW 51	10/3/2018	0.064	-	-	-
Trichloroethene	MW 51	04/25/2019	0.046 / 0.052	-	-	-
Trichloroethene	MW 56	1/18/2005	0.001 U	-	-	sampling frequency
Trichloroethene	MW 56	10/18/2005	0.001 U	-	-	-
Trichloroethene	MW 56	10/18/2006	0.00067 J	-	-	-
Trichloroethene	MW 56	10/15/2007	0.001 U	-	-	-
Trichloroethene	MW 56	6/25/2008	0.001 U	-	-	-
Trichloroethene	MW 56	12/15/2009	0.001 U	-	-	-
Trichloroethene	MW 56	10/26/2010	0.001 U	-	-	-
Trichloroethene	MW 56	10/6/2011	0.001 U	-	-	-
Trichloroethene	MW 56	10/16/2012	0.001 U	-	-	-
Trichloroethene	MW 56	10/24/2013	0.001 U	-	-	-
Trichloroethene	MW 56	10/23/2014	0.001 U/ 0.001 U	-	-	-
Trichloroethene	MW 56	10/13/2015	0.001 U	-	-	-
Trichloroethene	MW 56	10/22/2016	0.001 U	-	-	-
Trichloroethene	MW 56	10/10/2017	0.001 U	-	-	-
Trichloroethene	MW 56	10/3/2018	0.001 U	-	-	-
Trichloroethene	MW 56	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 56	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW 56	10/10/2023	0.001 U	-	-	-
Trichloroethene	MW 57	1/18/2005	0.001 U	-	-	sampling frequency
Trichloroethene	MW 57	10/18/2005	0.001 U	-	-	-
Trichloroethene	MW 57	2/1/2006	0.00026 J	-	-	sampling frequency
Trichloroethene	MW 57	4/18/2006	0.001 U	-	-	sampling frequency
Trichloroethene	MW 57	7/18/2006	0.001 U	-	-	sampling frequency
Trichloroethene	MW 57	10/18/2006	0.00011 J	-	-	-
Trichloroethene	MW 57	1/24/2007	0.001 UJ	-	-	sampling frequency
Trichloroethene	MW 57	4/18/2007	0.001 U	-	-	sampling frequency
Trichloroethene	MW 57	7/11/2007	0.001 U	-	-	sampling frequency
Trichloroethene	MW 57	10/15/2007	0.001 U	-	-	-
Trichloroethene	MW 57	6/25/2008	0.001 U	-	-	-
Trichloroethene	MW 57	12/15/2009	0.001 U	-	-	-
Trichloroethene	MW 57	10/26/2010	0.001 U/ 0.001 U	-	-	-
Trichloroethene	MW 57	10/6/2011	0.001 U	-	-	-
Trichloroethene	MW 57	10/16/2012	0.001 U	-	-	-
Trichloroethene	MW 57	10/24/2013	0.001 U	-	-	-
Trichloroethene	MW 57	10/23/2014	0.001 U	-	-	-
Trichloroethene	MW 57	10/13/2015	0.001 U	-	-	-

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Trichloroethene	MW 57	10/22/2016	0.002 U	-	-	-
Trichloroethene	MW 57	10/10/2017	0.0033 U	-	-	-
Trichloroethene	MW 57	10/3/2018	0.001 U	-	-	-
Trichloroethene	MW 57	11/03/2020	0.05 U	-	-	-
Trichloroethene	MW 57	04/27/2022	0.04U	-	-	-
Trichloroethene	MW 57	10/10/2023	0.01 U	-	-	-
Trichloroethene	MW 58	1/18/2005	0.001 U	-	-	sampling frequency
Trichloroethene	MW 58	10/18/2005	0.001 U	-	-	-
Trichloroethene	MW 58	10/18/2006	0.0059	-	-	-
Trichloroethene	MW 58	10/15/2007	0.00059 J	-	-	-
Trichloroethene	MW 58	2/18/2008	0.001 U	-	-	sampling frequency
Trichloroethene	MW 58	6/25/2008	0.001 U	-	-	-
Trichloroethene	MW 58	12/15/2009	0.0031 U	-	-	-
Trichloroethene	MW 58	10/26/2010	0.001 U	-	-	-
Trichloroethene	MW 58	10/6/2011	0.008 U	-	-	-
Trichloroethene	MW 58	10/16/2012	0.0057 U / 0.005 U	-	-	-
Trichloroethene	MW 58	10/24/2013	0.002 U	-	-	-
Trichloroethene	MW 58	10/23/2014	0.0033 U	-	-	-
Trichloroethene	MW 58	10/13/2015	0.005 U / 0.0057 U	-	-	-
Trichloroethene	MW 58	10/22/2016	0.05 U	-	-	-
Trichloroethene	MW 58	10/10/2017	0.05 U	-	-	-
Trichloroethene	MW 58	10/3/2018	0.2 U	-	-	-
Trichloroethene	MW 58	11/03/2020	0.14U / 0.14U	-	-	-
Trichloroethene	MW 58	04/27/2022	0.05 U	-	-	-
Trichloroethene	MW 58	10/10/2023	0.1 U / 0.1 U	-	-	-
Trichloroethene	MW 61	1/18/2005	0.001 U	-	-	-
Trichloroethene	MW 61	6/25/2008	0.001 U	-	-	-
Trichloroethene	MW 61	12/15/2009	0.001 U	-	-	-
Trichloroethene	MW 61	10/26/2010	0.005 U / 0.005 U	-	-	-
Trichloroethene	MW 61	10/6/2011	0.001 U	-	-	-
Trichloroethene	MW 61	10/16/2012	0.001 U	-	-	-
Trichloroethene	MW 61	10/24/2013	0.001 U	-	-	-
Trichloroethene	MW 61	10/23/2014	0.001 U	-	-	-
Trichloroethene	MW 61	10/13/2015	0.001 U	-	-	-
Trichloroethene	MW 61	10/22/2016	0.001 U	-	-	-
Trichloroethene	MW 61	10/10/2017	0.001 U	-	-	-
Trichloroethene	MW 61	10/3/2018	0.001 U	-	-	-
Trichloroethene	MW 61	11/03/2020	0.001 U / 0.001 U	-	-	-
Trichloroethene	MW 61	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW 61	10/10/2023	0.001 U / 0.001 U	-	-	-
Trichloroethene	MW 64	1/18/2005	0.001 U	-	-	sampling frequency
Trichloroethene	MW 64	10/18/2005	0.0002 J	-	-	-
Trichloroethene	MW 64	10/18/2006	0.00011 J	-	-	-
Trichloroethene	MW 64	10/15/2007	0.00014 J	-	-	-
Trichloroethene	MW 64	2/18/2008	0.063 / 0.037	-	-	sampling frequency
Trichloroethene	MW 64	6/25/2008	0.001 U	-	-	-
Trichloroethene	MW 64	12/15/2009	0.00014 J / 0.00011 J	-	-	-
Trichloroethene	MW 64	10/26/2010	0.005 U	-	-	-
Trichloroethene	MW 64	10/6/2011	0.001 U	-	-	-
Trichloroethene	MW 64	10/16/2012	0.001 U / 0.001 U	-	-	-
Trichloroethene	MW 64	10/24/2013	0.0017 U	-	-	-
Trichloroethene	MW 64	10/23/2014	0.0067 U	-	-	-
Trichloroethene	MW 64	10/13/2015	0.01 U	-	-	-

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Trichloroethene	MW 64	10/22/2016	0.0025 U	-	-	-
Trichloroethene	MW 64	10/10/2017	0.0067 U	-	-	-
Trichloroethene	MW 64	10/3/2018	0.01 U / 0.01 U	-	-	-
Trichloroethene	MW 64	11/03/2020	0.001 U/ 0.001 U	-	-	-
Trichloroethene	MW 64	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW 64	10/10/2023	0.001 U	-	-	-
Trichloroethene	MW 65	1/18/2005	0.005 U	-	-	-
Trichloroethene	MW 65	10/15/2007	0.001 U	-	-	-
Trichloroethene	MW 65	2/18/2008	0.17 U	-	-	sampling frequency
Trichloroethene	MW 65	6/25/2008	0.031 U	-	-	sampling frequency
Trichloroethene	MW 65	12/5/2008	0.13 U	-	-	-
Trichloroethene	MW 65	4/29/2009	0.05 U	-	-	sampling frequency
Trichloroethene	MW 65	12/15/2009	0.05 U	-	-	-
Trichloroethene	MW 65	10/26/2010	0.125 U	-	-	-
Trichloroethene	MW 65	10/6/2011	0.04 U	-	-	-
Trichloroethene	MW 65	10/16/2012	0.014 U	-	-	-
Trichloroethene	MW 65	10/24/2013	0.0057 U	-	-	-
Trichloroethene	MW 65	10/23/2014	0.002 U / 0.0017 U	-	-	-
Trichloroethene	MW 65	10/13/2015	0.002 U	-	-	-
Trichloroethene	MW 65	10/22/2016	0.001 U	-	-	-
Trichloroethene	MW 65	10/10/2017	0.001 U	-	-	-
Trichloroethene	MW 65	10/3/2018	0.00027 J	-	-	-
Trichloroethene	MW 65	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 65	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW 65	10/10/2023	0.001 U	-	-	-
Trichloroethene	MW 66	1/18/2005	0.001 U/ 0.001 U	-	-	sampling frequency
Trichloroethene	MW 66	10/18/2005	0.001 U	-	-	-
Trichloroethene	MW 66	10/18/2006	0.001 U	-	-	-
Trichloroethene	MW 66	10/15/2007	0.001 U/ 0.001 U	-	-	-
Trichloroethene	MW 66	2/18/2008	0.00034 J	-	-	sampling frequency
Trichloroethene	MW 66	6/25/2008	0.001 U	-	-	sampling frequency
Trichloroethene	MW 66	12/5/2008	0.001 U	-	-	-
Trichloroethene	MW 66	4/29/2009	0.001 U/ 0.001 U	-	-	sampling frequency
Trichloroethene	MW 66	12/15/2009	0.001 U	-	-	-
Trichloroethene	MW 66	10/26/2010	0.005 U	-	-	-
Trichloroethene	MW 66	4/18/2011	0.01 U / 0.01 U	-	-	sampling frequency
Trichloroethene	MW 66	10/6/2011	0.017 U	-	-	-
Trichloroethene	MW 66	5/16/2012	0.0083 U	-	-	sampling frequency
Trichloroethene	MW 66	10/16/2012	0.013 U	-	-	-
Trichloroethene	MW 66	4/12/2013	0.017 U	-	-	sampling frequency
Trichloroethene	MW 66	10/24/2013	0.025 U	-	-	-
Trichloroethene	MW 66	4/15/2014	0.011 U	-	-	sampling frequency
Trichloroethene	MW 66	10/23/2014	0.02 U	-	-	-
Trichloroethene	MW 66	4/28/2015	0.025 U	-	-	sampling frequency
Trichloroethene	MW 66	10/13/2015	0.04 U	-	-	-
Trichloroethene	MW 66	4/19/2016	0.05 U	-	-	sampling frequency
Trichloroethene	MW 66	10/22/2016	0.1 U	-	-	-
Trichloroethene	MW 66	4/18/2017	0.063 U	-	-	sampling frequency
Trichloroethene	MW 66	10/10/2017	0.067 U	-	-	-
Trichloroethene	MW 66	4/9/2018	0.2 U	-	-	sampling frequency
Trichloroethene	MW 66	10/3/2018	0.2 U	-	-	-
Trichloroethene	MW 66	04/25/2019	0.1U	-	-	-
Trichloroethene	MW 66	11/03/2020	0.001 U	-	-	-

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Trichloroethene	MW 66	04/27/2022	0.1U	-	-	-
Trichloroethene	MW 66	10/10/2023	0.04 U	-	-	-
Trichloroethene	MW 68	1/18/2005	0.1	-	-	sampling frequency
Trichloroethene	MW 68	10/18/2005	0.32 J / 0.35 J	-	-	-
Trichloroethene	MW 68	1/31/2006	0.43 J	-	-	sampling frequency
Trichloroethene	MW 68	4/18/2006	0.5 U	-	-	sampling frequency
Trichloroethene	MW 68	7/18/2006	0.4 J	-	-	sampling frequency
Trichloroethene	MW 68	10/18/2006	1.1 J	-	-	-
Trichloroethene	MW 68	1/24/2007	0.63 J	-	-	sampling frequency
Trichloroethene	MW 68	4/18/2007	0.41 J	-	-	sampling frequency
Trichloroethene	MW 68	7/11/2007	2.4	-	-	sampling frequency
Trichloroethene	MW 68	10/15/2007	0.49 J	-	-	-
Trichloroethene	MW 68	2/18/2008	0.57	-	-	sampling frequency
Trichloroethene	MW 68	6/25/2008	2.6	-	-	sampling frequency
Trichloroethene	MW 68	12/5/2008	1.1	-	-	-
Trichloroethene	MW 68	4/29/2009	1.4	-	-	sampling frequency
Trichloroethene	MW 68	12/15/2009	2.4 / 2.3	-	-	-
Trichloroethene	MW 68	10/26/2010	1.94	-	-	-
Trichloroethene	MW 68	4/18/2011	2.4	-	-	sampling frequency
Trichloroethene	MW 68	10/6/2011	1.9 / 1.9	-	-	-
Trichloroethene	MW 68	5/16/2012	1.8	-	-	sampling frequency
Trichloroethene	MW 68	10/16/2012	1.9	-	-	-
Trichloroethene	MW 68	4/12/2013	1.9/ 2.1	-	-	sampling frequency
Trichloroethene	MW 68	10/24/2013	2 / 1.9 / 1.9	-	-	-
Trichloroethene	MW 68	4/15/2014	1.8	-	-	sampling frequency
Trichloroethene	MW 68	10/23/2014	1.5	-	-	-
Trichloroethene	MW 68	4/28/2015	1.5 / 1.5	-	-	sampling frequency
Trichloroethene	MW 68	10/13/2015	1.4 / 1.3	-	-	-
Trichloroethene	MW 68	4/19/2016	1	-	-	sampling frequency
Trichloroethene	MW 68	10/22/2016	1.7	-	-	-
Trichloroethene	MW 68	4/18/2017	1.5	-	-	sampling frequency
Trichloroethene	MW 68	10/10/2017	1.6	-	-	-
Trichloroethene	MW 68	4/9/2018	1.7	-	-	sampling frequency
Trichloroethene	MW 68	10/3/2018	1.4	-	-	-
Trichloroethene	MW 68	04/25/2019	1.4	-	-	-
Trichloroethene	MW 68	11/03/2020	1.1/ 1.2	-	-	-
Trichloroethene	MW 68	04/27/2022	0.97	-	-	-
Trichloroethene	MW 68	10/10/2023	1.2	-	-	-
Trichloroethene	MW 75	1/18/2005	0.001 U	-	-	sampling frequency
Trichloroethene	MW 75	10/18/2005	0.001 U	-	-	-
Trichloroethene	MW 75	10/18/2006	0.001 UJ	-	-	-
Trichloroethene	MW 75	10/15/2007	0.001 U	-	-	-
Trichloroethene	MW 75	6/25/2008	0.001 U	-	-	-
Trichloroethene	MW 75	10/26/2010	0.001 U	-	-	-
Trichloroethene	MW 75	10/6/2011	0.001 U	-	-	-
Trichloroethene	MW 75	10/16/2012	0.001 U	-	-	-
Trichloroethene	MW 75	10/24/2013	0.001 U	-	-	-
Trichloroethene	MW 75	10/23/2014	0.001 U	-	-	-
Trichloroethene	MW 75	10/22/2016	0.001 U	-	-	-
Trichloroethene	MW 75	10/10/2017	0.001 U	-	-	-
Trichloroethene	MW 75	10/3/2018	0.001 U	-	-	-
Trichloroethene	MW 75	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 75	04/27/2022	0.001 U	-	-	-

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Trichloroethene	MW 75	10/10/2023	0.001 U	-	-	-
Trichloroethene	MW 76/MW 76R-17	1/18/2005	0.001 U	-	-	sampling frequency
Trichloroethene	MW 76/MW 76R-17	10/18/2005	0.001 U	-	-	-
Trichloroethene	MW 76/MW 76R-17	10/18/2006	0.001 UJ	-	-	-
Trichloroethene	MW 76/MW 76R-17	10/15/2007	0.001 U	-	-	-
Trichloroethene	MW 76/MW 76R-17	10/26/2010	0.001 U	-	-	-
Trichloroethene	MW 76/MW 76R-17	10/6/2011	0.001 U/ 0.001 U	-	-	-
Trichloroethene	MW 76/MW 76R-17	10/16/2012	0.00021 J	-	-	-
Trichloroethene	MW 76/MW 76R-17	10/24/2013	0.001 U/ 0.001 U	-	-	-
Trichloroethene	MW 76/MW 76R-17	10/23/2014	0.001 U	-	-	-
Trichloroethene	MW 76/MW 76R-17	10/10/2017	0.001 U	-	-	-
Trichloroethene	MW 76/MW 76R-17	10/3/2018	0.001 U	-	-	-
Trichloroethene	MW 76/MW 76R-17	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 76/MW 76R-17	10/10/2023	0.001 U	-	-	-
Trichloroethene	MW 79	1/18/2005	0.12	-	-	-
Trichloroethene	MW 79	10/15/2007	0.05 U	-	-	-
Trichloroethene	MW 79	12/5/2008	0.071 U	-	-	-
Trichloroethene	MW 79	4/29/2009	0.05 U	-	-	sampling frequency
Trichloroethene	MW 79	12/15/2009	0.05 U	-	-	-
Trichloroethene	MW 79	10/26/2010	0.001 U	-	-	-
Trichloroethene	MW 79	4/18/2011	0.04 U	-	-	sampling frequency
Trichloroethene	MW 79	10/6/2011	0.067 U	-	-	-
Trichloroethene	MW 79	5/16/2012	0.05 U	-	-	sampling frequency
Trichloroethene	MW 79	10/16/2012	0.071 U / 0.071 U	-	-	-
Trichloroethene	MW 79	4/12/2013	0.083 U	-	-	sampling frequency
Trichloroethene	MW 79	10/24/2013	0.05 U	-	-	-
Trichloroethene	MW 79	4/15/2014	0.1 U	-	-	sampling frequency
Trichloroethene	MW 79	10/23/2014	0.1 U / 0.1 U	-	-	-
Trichloroethene	MW 79	4/28/2015	0.1 U	-	-	sampling frequency
Trichloroethene	MW 79	10/13/2015	0.083 U	-	-	-
Trichloroethene	MW 79	4/19/2016	0.1 U	-	-	sampling frequency
Trichloroethene	MW 79	10/22/2016	0.1 U	-	-	-
Trichloroethene	MW 79	4/18/2017	0.063 U / 0.13 U	-	-	sampling frequency
Trichloroethene	MW 79	10/10/2017	0.05 U	-	-	-
Trichloroethene	MW 79	4/9/2018	0.1 U	-	-	sampling frequency
Trichloroethene	MW 79	10/3/2018	0.1 U	-	-	-
Trichloroethene	MW 79	04/25/2019	0.1U	-	-	-
Trichloroethene	MW 79	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 79	04/27/2022	0.1U	-	-	-
Trichloroethene	MW 79	10/10/2023	0.1 U	-	-	-
Trichloroethene	MW 80	3/9/2005	0.001 U/ 0.001 U	-	-	sampling frequency
Trichloroethene	MW 80	10/18/2005	0.0083 U	-	-	-
Trichloroethene	MW 80	10/18/2006	0.00021 J	-	-	-
Trichloroethene	MW 80	10/15/2007	0.001 U	-	-	-
Trichloroethene	MW 80	6/25/2008	0.005 U / 0.005 U	-	-	-
Trichloroethene	MW 80	12/15/2009	0.001 U	-	-	-
Trichloroethene	MW 80	10/26/2010	0.005 U	-	-	-
Trichloroethene	MW 80	10/6/2011	0.001 U	-	-	-
Trichloroethene	MW 80	10/16/2012	0.001 U	-	-	-
Trichloroethene	MW 80	10/24/2013	0.0017 U	-	-	-
Trichloroethene	MW 80	10/23/2014	0.001 U	-	-	-
Trichloroethene	MW 80	10/13/2015	0.0017 U	-	-	-
Trichloroethene	MW 80	10/22/2016	0.0018 U	-	-	-

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Trichloroethene	MW 80	10/10/2017	0.002 U	-	-	-
Trichloroethene	MW 80	10/3/2018	0.002 U	-	-	-
Trichloroethene	MW 80	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 80	04/27/2022	0.004U / 0.004U	-	-	-
Trichloroethene	MW 80	10/10/2023	0.005 U	-	-	-
Trichloroethene	MW 81	3/9/2005	0.001 U/ 0.001 UJ	-	-	sampling frequency
Trichloroethene	MW 81	10/18/2005	0.001 U	-	-	-
Trichloroethene	MW 81	10/18/2006	0.001 U/ 0.001 U	-	-	-
Trichloroethene	MW 81	10/15/2007	0.001 U	-	-	-
Trichloroethene	MW 81	2/18/2008	0.001 U	-	-	sampling frequency
Trichloroethene	MW 81	6/25/2008	0.001 U	-	-	-
Trichloroethene	MW 81	12/15/2009	0.001 U	-	-	-
Trichloroethene	MW 81	10/26/2010	0.005 U	-	-	-
Trichloroethene	MW 81	10/6/2011	0.002 U	-	-	-
Trichloroethene	MW 81	10/16/2012	0.002 U	-	-	-
Trichloroethene	MW 81	10/24/2013	0.005 U	-	-	-
Trichloroethene	MW 81	10/23/2014	0.0067 U	-	-	-
Trichloroethene	MW 81	10/13/2015	0.008 U	-	-	-
Trichloroethene	MW 81	10/22/2016	0.005 U	-	-	-
Trichloroethene	MW 81	10/10/2017	0.0033 U	-	-	-
Trichloroethene	MW 81	10/3/2018	0.004 U	-	-	-
Trichloroethene	MW 81	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 81	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW 81	10/10/2023	0.001 U	-	-	-
Trichloroethene	MW 82	3/9/2005	0.001 U	-	-	sampling frequency
Trichloroethene	MW 82	10/18/2005	0.001 U	-	-	-
Trichloroethene	MW 82	10/18/2006	0.001 UJ	-	-	-
Trichloroethene	MW 82	10/15/2007	0.001 U	-	-	-
Trichloroethene	MW 82	6/25/2008	0.001 U	-	-	-
Trichloroethene	MW 82	12/15/2009	0.001 U	-	-	-
Trichloroethene	MW 82	10/26/2010	0.001 U	-	-	-
Trichloroethene	MW 82	10/6/2011	0.001 U	-	-	-
Trichloroethene	MW 82	10/24/2013	0.00066 J	-	-	-
Trichloroethene	MW 82	10/23/2014	0.001 U	-	-	-
Trichloroethene	MW 82	10/13/2015	0.001 U	-	-	-
Trichloroethene	MW 82	10/22/2016	0.001 U	-	-	-
Trichloroethene	MW 82	10/10/2017	0.00097 J / 0.00096 J	-	-	-
Trichloroethene	MW 82	10/3/2018	0.00014 J / 0.00012 J	-	-	-
Trichloroethene	MW 82	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 82	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW 82	10/10/2023	0.001 U	-	-	-
Trichloroethene	MW 83	3/9/2005	0.001 U	-	-	sampling frequency
Trichloroethene	MW 83	10/18/2005	0.001 U	-	-	-
Trichloroethene	MW 83	10/18/2006	0.001 UJ	-	-	-
Trichloroethene	MW 83	10/15/2007	0.001 U	-	-	-
Trichloroethene	MW 83	6/25/2008	0.001 U	-	-	-
Trichloroethene	MW 83	12/15/2009	0.001 U	-	-	-
Trichloroethene	MW 83	10/26/2010	0.005 U	-	-	-
Trichloroethene	MW 83	10/6/2011	0.001 U	-	-	-
Trichloroethene	MW 83	10/16/2012	0.001 U	-	-	-
Trichloroethene	MW 83	10/24/2013	0.00023 J	-	-	-
Trichloroethene	MW 83	10/23/2014	0.001 U	-	-	-
Trichloroethene	MW 83	10/13/2015	0.001 U	-	-	-

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Trichloroethene	MW 83	10/22/2016	0.001 U/ 0.001 U	-	-	-
Trichloroethene	MW 83	10/10/2017	0.00045 J	-	-	-
Trichloroethene	MW 83	10/3/2018	0.001 U	-	-	-
Trichloroethene	MW 83	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 83	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW 83	10/10/2023	0.001 U	-	-	-
Trichloroethene	MW 84	10/18/2005	0.001 U	-	-	-
Trichloroethene	MW 84	4/12/2013	0.001 U	-	-	sampling frequency
Trichloroethene	MW 84	10/24/2013	0.001 U	-	-	-
Trichloroethene	MW 84	4/15/2014	0.001 U	-	-	-
Trichloroethene	MW 84	10/13/2015	0.001 U	-	-	-
Trichloroethene	MW 84	10/22/2016	0.001 U	-	-	-
Trichloroethene	MW 84	10/10/2017	0.001 U	-	-	-
Trichloroethene	MW 84	10/3/2018	0.001 U	-	-	-
Trichloroethene	MW 84	10/08/2019	0.001 U	-	-	-
Trichloroethene	MW 84	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 84	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW 84	10/10/2023	0.001 U	-	-	-
Trichloroethene	MW 85	2/18/2008	0.0032 J	-	-	sampling frequency
Trichloroethene	MW 85	6/25/2008	0.001 U	-	-	sampling frequency
Trichloroethene	MW 85	12/5/2008	0.031 U	-	-	-
Trichloroethene	MW 85	4/29/2009	0.025 U	-	-	sampling frequency
Trichloroethene	MW 85	12/15/2009	0.017 U	-	-	-
Trichloroethene	MW 85	10/26/2010	0.001 U	-	-	-
Trichloroethene	MW 85	4/18/2011	0.02 U	-	-	sampling frequency
Trichloroethene	MW 85	10/6/2011	0.029 U	-	-	-
Trichloroethene	MW 85	5/16/2012	0.025 U	-	-	sampling frequency
Trichloroethene	MW 85	10/16/2012	0.17 U	-	-	-
Trichloroethene	MW 85	4/12/2013	0.067 U	-	-	sampling frequency
Trichloroethene	MW 85	10/24/2013	0.067 U	-	-	-
Trichloroethene	MW 85	4/15/2014	0.25 U	-	-	sampling frequency
Trichloroethene	MW 85	10/23/2014	0.25 U	-	-	-
Trichloroethene	MW 85	4/28/2015	0.5 U	-	-	sampling frequency
Trichloroethene	MW 85	10/13/2015	0.33 U	-	-	-
Trichloroethene	MW 85	4/19/2016	0.5 U / 0.5 U	-	-	sampling frequency
Trichloroethene	MW 85	10/22/2016	0.56 U	-	-	-
Trichloroethene	MW 85	4/18/2017	0.33 U	-	-	sampling frequency
Trichloroethene	MW 85	10/10/2017	0.2 U	-	-	-
Trichloroethene	MW 85	4/9/2018	0.5 U	-	-	sampling frequency
Trichloroethene	MW 85	10/3/2018	0.5 U	-	-	-
Trichloroethene	MW 85	04/25/2019	0.2U	-	-	-
Trichloroethene	MW 85	11/03/2020	0.33U	-	-	-
Trichloroethene	MW 85	04/27/2022	0.1U	-	-	-
Trichloroethene	MW 85	10/10/2023	0.05 U	-	-	-
Trichloroethene	MW 86	10/26/2010	0.001 U/ 0.005 U	-	-	-
Trichloroethene	MW 86	10/6/2011	0.001 U	-	-	-
Trichloroethene	MW 86	10/16/2012	0.001 U	-	-	-
Trichloroethene	MW 86	10/24/2013	0.001 U	-	-	-
Trichloroethene	MW 86	10/23/2014	0.001 U	-	-	-
Trichloroethene	MW 86	10/13/2015	0.001 U	-	-	-
Trichloroethene	MW 86	10/22/2016	0.001 U	-	-	-
Trichloroethene	MW 86	10/10/2017	0.001 U	-	-	-
Trichloroethene	MW 86	10/3/2018	0.001 U	-	-	-

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Trichloroethene	MW 86	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 86	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW 86	10/10/2023	0.001 U	-	-	-
Trichloroethene	MW 88	10/26/2010	0.005 U	-	-	-
Trichloroethene	MW 88	10/6/2011	0.001 U	-	-	-
Trichloroethene	MW 88	10/16/2012	0.001 U	-	-	-
Trichloroethene	MW 88	10/24/2013	0.001 U	-	-	-
Trichloroethene	MW 88	10/23/2014	0.001 U	-	-	-
Trichloroethene	MW 88	10/13/2015	0.001 U/ 0.001 U	-	-	-
Trichloroethene	MW 88	10/22/2016	0.001 U/ 0.001 U	-	-	-
Trichloroethene	MW 88	10/10/2017	0.001 U	-	-	-
Trichloroethene	MW 88	10/3/2018	0.001 U/ 0.001 U	-	-	-
Trichloroethene	MW 88	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 88	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW 88	10/10/2023	0.00097 J	-	-	-
Trichloroethene	MW 89-11	10/6/2011	0.001 U/ 0.001 U	-	-	-
Trichloroethene	MW 89-11	10/16/2012	0.001 U	-	-	-
Trichloroethene	MW 89-11	4/12/2013	0.001 U/ 0.001 U	-	-	sampling frequency
Trichloroethene	MW 89-11	10/24/2013	0.001 U	-	-	-
Trichloroethene	MW 89-11	10/23/2014	0.001 U	-	-	-
Trichloroethene	MW 89-11	4/28/2015	0.001 U	-	-	sampling frequency
Trichloroethene	MW 89-11	10/13/2015	0.001 U	-	-	-
Trichloroethene	MW 89-11	4/19/2016	0.001 U/ 0.001 U	-	-	sampling frequency
Trichloroethene	MW 89-11	10/22/2016	0.001 U/ 0.001 U	-	-	-
Trichloroethene	MW 89-11	4/18/2017	0.00036 J	-	-	sampling frequency
Trichloroethene	MW 89-11	10/10/2017	0.001 U	-	-	-
Trichloroethene	MW 89-11	4/9/2018	0.001 U	-	-	sampling frequency
Trichloroethene	MW 89-11	10/3/2018	0.001 U	-	-	-
Trichloroethene	MW 89-11	04/25/2019	0.001 U	-	-	-
Trichloroethene	MW 89-11	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 89-11	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW 89-11	10/10/2023	0.001 U	-	-	-
Trichloroethene	MW97R-16	10/22/2016	0.001 U	-	-	-
Trichloroethene	MW97R-16	10/10/2017	0.001 U	-	-	-
Trichloroethene	MW97R-16	10/3/2018	0.001 U	-	-	-
Trichloroethene	MW97R-16	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW97R-16	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW97R-16	10/10/2023	0.001 U	-	-	-
Trichloroethene	Pond Intake	1/18/2005	0.001 U	-	-	sampling frequency
Trichloroethene	Pond Intake	4/19/2005	0.001 U	-	-	sampling frequency
Trichloroethene	Pond Intake	10/18/2005	0.001 U	-	-	-
Trichloroethene	Pond Intake	2/1/2006	0.001 U	-	-	sampling frequency
Trichloroethene	Pond Intake	4/18/2006	0.001 U	-	-	sampling frequency
Trichloroethene	Pond Intake	7/18/2006	0.001 U	-	-	sampling frequency
Trichloroethene	Pond Intake	10/18/2006	0.001 U	-	-	-
Trichloroethene	Pond Intake	1/24/2007	0.001 U	-	-	sampling frequency
Trichloroethene	Pond Intake	4/18/2007	0.001 U	-	-	sampling frequency
Trichloroethene	Pond Intake	5/9/2007	0.001 U	-	-	sampling frequency
Trichloroethene	Pond Intake	6/18/2007	0.001 U	-	-	sampling frequency
Trichloroethene	Pond Intake	7/11/2007	0.001 U	-	-	sampling frequency
Trichloroethene	Pond Intake	8/15/2007	0.001 U	-	-	sampling frequency
Trichloroethene	Pond Intake	9/27/2007	0.001 U	-	-	sampling frequency
Trichloroethene	Pond Intake	10/15/2007	0.001 U	-	-	-

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Trichloroethene	Pond Intake	11/9/2007	0.001 U	-	-	sampling frequency
Trichloroethene	Pond Intake	12/4/2007	0.001 U	-	-	sampling frequency
Trichloroethene	Pond Intake	2/18/2008	0.001 U	-	-	sampling frequency
Trichloroethene	Pond Intake	6/25/2008	0.001 U	-	-	sampling frequency
Trichloroethene	Pond Intake	9/23/2008	0.001 U	-	-	sampling frequency
Trichloroethene	Pond Intake	12/5/2008	0.001 U	-	-	-
Trichloroethene	Pond Intake	4/29/2009	0.001 U / 0.001 U / 0.001 U	-	-	sampling frequency
Trichloroethene	Pond Intake	7/30/2009	0.005 U / 0.005 U	-	-	sampling frequency
Trichloroethene	Pond Intake	12/15/2009	0.001 U	-	-	-
Trichloroethene	Pond Intake	8/4/2010	0.005 U	-	-	sampling frequency
Trichloroethene	Pond Intake	10/26/2010	0.001 U	-	-	-
Trichloroethene	Pond Intake	4/18/2011	0.001 U	-	-	sampling frequency
Trichloroethene	Pond Intake	7/28/2011	0.001 U	-	-	sampling frequency
Trichloroethene	Pond Intake	10/6/2011	0.001 U / 0.001 U	-	-	-
Trichloroethene	Pond Intake	5/16/2012	0.001 U	-	-	sampling frequency
Trichloroethene	Pond Intake	8/2/2012	0.001 U	-	-	sampling frequency
Trichloroethene	Pond Intake	10/16/2012	0.001 U	-	-	-
Trichloroethene	Pond Intake	4/12/2013	0.001 U	-	-	sampling frequency
Trichloroethene	Pond Intake	7/17/2013	0.001 U	-	-	sampling frequency
Trichloroethene	Pond Intake	10/24/2013	0.001 U	-	-	-
Trichloroethene	Pond Intake	7/17/2014	0.001 U / 0.001 U	-	-	sampling frequency
Trichloroethene	Pond Intake	10/23/2014	0.001 U	-	-	-
Trichloroethene	Pond Intake	4/28/2015	0.0013 U	-	-	sampling frequency
Trichloroethene	Pond Intake	7/10/2015	0.0033 U / 0.004 U	-	-	sampling frequency
Trichloroethene	Pond Intake	10/13/2015	0.001 U	-	-	-
Trichloroethene	Pond Intake	4/19/2016	0.0025 U	-	-	sampling frequency
Trichloroethene	Pond Intake	7/19/2016	0.0017 U	-	-	sampling frequency
Trichloroethene	Pond Intake	10/22/2016	0.0018 U / 0.002 U	-	-	-
Trichloroethene	Pond Intake	4/18/2017	0.0017 U	-	-	sampling frequency
Trichloroethene	Pond Intake	7/12/2017	0.0073	-	-	sampling frequency
Trichloroethene	Pond Intake	10/10/2017	0.002 U	-	-	-
Trichloroethene	Pond Intake	4/9/2018	0.005 U	-	-	sampling frequency
Trichloroethene	Pond Intake	7/5/2018	0.0033 U / 0.0033 U	-	-	sampling frequency
Trichloroethene	Pond Intake	10/3/2018	0.005 U	-	-	-
Trichloroethene	Pond Intake	04/25/2019	0.001J / 0.0009 J	-	-	sampling frequency
Trichloroethene	Pond Intake	10/08/2019	0.0017U	-	-	-
Trichloroethene	Pond Intake	11/03/2020	0.0025U	-	-	-
Trichloroethene	Pond Intake	04/27/2022	0.001 U	-	-	-
Trichloroethene	Pond Intake	10/10/2023	0.0033 U	-	-	-
Trichloroethene	Pond North	1/18/2005	0.001 U	-	-	sampling frequency
Trichloroethene	Pond North	4/19/2005	0.001 U	-	-	sampling frequency
Trichloroethene	Pond North	10/18/2005	0.001 U	-	-	-
Trichloroethene	Pond North	2/1/2006	0.001 U	-	-	sampling frequency
Trichloroethene	Pond North	4/18/2006	0.001 U	-	-	sampling frequency
Trichloroethene	Pond North	7/18/2006	0.001 U	-	-	sampling frequency
Trichloroethene	Pond North	10/18/2006	0.001 U	-	-	-
Trichloroethene	Pond North	1/24/2007	0.0071 UJ	-	-	sampling frequency
Trichloroethene	Pond North	4/18/2007	0.001 U	-	-	sampling frequency
Trichloroethene	Pond North	5/9/2007	0.001 U	-	-	sampling frequency
Trichloroethene	Pond North	6/18/2007	0.001 U	-	-	sampling frequency
Trichloroethene	Pond North	7/11/2007	0.001 U	-	-	sampling frequency
Trichloroethene	Pond North	8/15/2007	0.001 U	-	-	sampling frequency
Trichloroethene	Pond North	9/27/2007	0.001 U	-	-	sampling frequency

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Trichloroethene	Pond North	10/15/2007	0.001 U	-	-	-
Trichloroethene	Pond North	11/9/2007	0.001 U	-	-	sampling frequency
Trichloroethene	Pond North	12/4/2007	0.001 U	-	-	sampling frequency
Trichloroethene	Pond North	2/18/2008	0.001 U	-	-	sampling frequency
Trichloroethene	Pond North	6/25/2008	0.001 U	-	-	sampling frequency
Trichloroethene	Pond North	9/23/2008	0.001 U / 0.001 U	-	-	sampling frequency
Trichloroethene	Pond North	12/5/2008	0.001 U	-	-	-
Trichloroethene	Pond North	4/29/2009	0.001 U / 0.001 U	-	-	sampling frequency
Trichloroethene	Pond North	7/30/2009	0.001 U	-	-	sampling frequency
Trichloroethene	Pond North	12/15/2009	0.017 U	-	-	-
Trichloroethene	Pond North	8/4/2010	0.005 U / 0.005 U	-	-	sampling frequency
Trichloroethene	Pond North	10/26/2010	0.001 U	-	-	-
Trichloroethene	Pond North	4/18/2011	0.001 U	-	-	sampling frequency
Trichloroethene	Pond North	7/28/2011	0.001 U / 0.001 U	-	-	sampling frequency
Trichloroethene	Pond North	10/6/2011	0.001 U	-	-	-
Trichloroethene	Pond North	5/16/2012	0.001 U / 0.001 U	-	-	sampling frequency
Trichloroethene	Pond North	8/2/2012	0.001 U / 0.001 U	-	-	sampling frequency
Trichloroethene	Pond North	10/16/2012	0.0029 U	-	-	-
Trichloroethene	Pond North	4/12/2013	0.001 U	-	-	sampling frequency
Trichloroethene	Pond North	7/17/2013	0.001 U / 0.001 U	-	-	sampling frequency
Trichloroethene	Pond North	10/24/2013	0.001 U	-	-	-
Trichloroethene	Pond North	7/17/2014	0.01 U	-	-	sampling frequency
Trichloroethene	Pond North	10/23/2014	0.008 U	-	-	-
Trichloroethene	Pond North	4/28/2015	0.008 U	-	-	sampling frequency
Trichloroethene	Pond North	7/10/2015	0.0033 U	-	-	sampling frequency
Trichloroethene	Pond North	10/13/2015	0.0014 U	-	-	-
Trichloroethene	Pond North	4/19/2016	0.033 U	-	-	sampling frequency
Trichloroethene	Pond North	7/19/2016	0.0025 U / 0.0025 U	-	-	sampling frequency
Trichloroethene	Pond North	10/22/2016	0.033 U	-	-	-
Trichloroethene	Pond North	4/18/2017	0.0067 U	-	-	sampling frequency
Trichloroethene	Pond North	7/12/2017	0.0071 / 0.0073	-	-	sampling frequency
Trichloroethene	Pond North	10/10/2017	0.01 U	-	-	-
Trichloroethene	Pond North	4/9/2018	0.011 U / 0.01 U	-	-	sampling frequency
Trichloroethene	Pond North	7/5/2018	0.0063 U	-	-	sampling frequency
Trichloroethene	Pond North	10/3/2018	0.0067 U / 0.0067 U	-	-	-
Trichloroethene	Pond North	04/25/2019	0.0011J	-	-	sampling frequency
Trichloroethene	Pond North	10/08/2019	0.005U / 0.005U	-	-	-
Trichloroethene	Pond North	11/03/2020	0.01U / 0.01U	-	-	-
Trichloroethene	Pond North	04/27/2022	0.002U / 0.002U	-	-	-
Trichloroethene	Pond North	10/10/2023	0.005 U / 0.005 U	-	-	-
cis-1,2-Dichloroethene	MW-2	5/9/2007	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW-2	7/10/2007	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW-2	10/17/2007	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW-2	6/25/2008	0.00015 J	-	-	-
cis-1,2-Dichloroethene	MW-2	12/15/2009	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW-2	10/27/2010	0.0021	-	-	-
cis-1,2-Dichloroethene	MW-2	10/5/2011	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW-2	10/16/2012	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW-2	10/29/2013	0.001 U / 0.001 U	-	-	-
cis-1,2-Dichloroethene	MW-2	10/27/2014	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW-2	10/14/2015	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW-2	10/21/2016	0.001 U	-	-	-

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cis-1,2-Dichloroethene	MW-2	10/10/2017	0.0014	-	-	-
cis-1,2-Dichloroethene	MW-2	10/10/2018	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW-2	11/03/2020	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW-2	04/27/2022	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW-2	10/10/2023	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 3	2/1/2005	5.3 / 5.3	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 3	10/19/2005	0.0042 U	-	-	-
cis-1,2-Dichloroethene	MW 3	1/31/2006	3	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 3	4/18/2006	4.1 / 4.1	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 3	7/18/2006	4.2 / 4.5	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 3	10/17/2006	2.5	-	-	-
cis-1,2-Dichloroethene	MW 3	1/24/2007	5.4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 3	4/16/2007	3.1 / 3.4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 3	7/10/2007	4.4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 3	10/17/2007	2.1	-	-	-
cis-1,2-Dichloroethene	MW 3	2/18/2008	7.7	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 3	6/25/2008	6.6 / 6.5	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 3	12/5/2008	2.8	-	-	-
cis-1,2-Dichloroethene	MW 3	4/30/2009	12	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 3	12/15/2009	2.3 / 2.4	-	-	-
cis-1,2-Dichloroethene	MW 3	10/27/2010	1.08 / 1.24	-	-	-
cis-1,2-Dichloroethene	MW 3	4/18/2011	8.9	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 3	10/5/2011	5.7	-	-	-
cis-1,2-Dichloroethene	MW 3	5/15/2012	8.9	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 3	10/16/2012	1.2	-	-	-
cis-1,2-Dichloroethene	MW 3	4/12/2013	6.2	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 3	10/29/2013	1 / 0.93	-	-	-
cis-1,2-Dichloroethene	MW 3	4/15/2014	4.7	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 3	10/27/2014	1	-	-	-
cis-1,2-Dichloroethene	MW 3	4/28/2015	4.5	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 3	10/14/2015	1.4	-	-	-
cis-1,2-Dichloroethene	MW 3	4/20/2016	7.4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 3	10/21/2016	1.9	-	-	-
cis-1,2-Dichloroethene	MW 3	4/18/2017	7.4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 3	10/10/2017	1.6	-	-	-
cis-1,2-Dichloroethene	MW 3	4/11/2018	3.2	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 3	10/10/2018	4.8	-	-	-
cis-1,2-Dichloroethene	MW 3	04/25/2019	2.5	-	-	-
cis-1,2-Dichloroethene	MW 3	11/03/2020	0.63	-	-	-
cis-1,2-Dichloroethene	MW 3	04/27/2022	5.5 / 5.7	-	-	-
cis-1,2-Dichloroethene	MW 3	10/10/2023	0.21	-	-	-
cis-1,2-Dichloroethene	MW-4	1/11/2005	6.1	-	-	sampling frequency
cis-1,2-Dichloroethene	MW-4	10/19/2005	13	-	-	-
cis-1,2-Dichloroethene	MW-4	2/1/2006	8.6	-	-	sampling frequency
cis-1,2-Dichloroethene	MW-4	4/18/2006	5.4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW-4	7/18/2006	8.1	-	-	sampling frequency
cis-1,2-Dichloroethene	MW-4	10/17/2006	23	-	-	-
cis-1,2-Dichloroethene	MW-4	1/24/2007	7.7	-	-	sampling frequency
cis-1,2-Dichloroethene	MW-4	4/16/2007	11 J	-	-	sampling frequency
cis-1,2-Dichloroethene	MW-4	7/10/2007	13 / 11	-	-	sampling frequency
cis-1,2-Dichloroethene	MW-4	10/17/2007	6.7 / 7.7	-	-	-
cis-1,2-Dichloroethene	MW-4	2/18/2008	15	-	-	sampling frequency
cis-1,2-Dichloroethene	MW-4	6/25/2008	9.2 / 11	-	-	sampling frequency

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cis-1,2-Dichloroethene	MW-4	12/5/2008	18	-	-	-
cis-1,2-Dichloroethene	MW-4	4/30/2009	7.8 / 7.5	-	-	sampling frequency
cis-1,2-Dichloroethene	MW-4	12/15/2009	16 / 16	-	-	-
cis-1,2-Dichloroethene	MW-4	10/27/2010	12.6	-	-	-
cis-1,2-Dichloroethene	MW-4	4/18/2011	8.7 / 8.8	-	-	sampling frequency
cis-1,2-Dichloroethene	MW-4	10/5/2011	11	-	-	-
cis-1,2-Dichloroethene	MW-4	5/15/2012	11	-	-	sampling frequency
cis-1,2-Dichloroethene	MW-4	10/16/2012	14	-	-	-
cis-1,2-Dichloroethene	MW-4	4/12/2013	12	-	-	sampling frequency
cis-1,2-Dichloroethene	MW-4	10/29/2013	14	-	-	-
cis-1,2-Dichloroethene	MW-4	4/15/2014	13 / 13	-	-	sampling frequency
cis-1,2-Dichloroethene	MW-4	10/27/2014	12	-	-	-
cis-1,2-Dichloroethene	MW-4	4/28/2015	10	-	-	sampling frequency
cis-1,2-Dichloroethene	MW-4	10/14/2015	12	-	-	-
cis-1,2-Dichloroethene	MW-4	4/20/2016	9.4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW-4	10/21/2016	7.9	-	-	-
cis-1,2-Dichloroethene	MW-4	4/18/2017	8.6	-	-	sampling frequency
cis-1,2-Dichloroethene	MW-4	10/10/2017	8.6 / 8	-	-	-
cis-1,2-Dichloroethene	MW-4	4/11/2018	8.8 / 8.3	-	-	sampling frequency
cis-1,2-Dichloroethene	MW-4	10/10/2018	8.9	-	-	-
cis-1,2-Dichloroethene	MW-4	04/25/2019	6.8	-	-	-
cis-1,2-Dichloroethene	MW-4	11/03/2020	7.8	-	-	-
cis-1,2-Dichloroethene	MW-4	04/27/2022	5.9 / 5.6	-	-	-
cis-1,2-Dichloroethene	MW-4	10/10/2023	4.5	-	-	-
cis-1,2-Dichloroethene	MW-7	10/27/2014	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW-7	10/10/2017	0.001 U/ 0.001 U	-	-	-
cis-1,2-Dichloroethene	MW-7	10/10/2018	0.00018 J / 0.001 U	-	-	-
cis-1,2-Dichloroethene	MW-7	11/03/2020	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW-7	04/27/2022	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW-7	10/10/2023	0.00081 J	-	-	-
cis-1,2-Dichloroethene	MW 8	2/1/2005	17	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 8	10/19/2005	5.8 / 5.5	-	-	-
cis-1,2-Dichloroethene	MW 8	2/1/2006	12 J	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 8	4/18/2006	16	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 8	7/18/2006	4.6	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 8	10/17/2006	5.4	-	-	-
cis-1,2-Dichloroethene	MW 8	1/24/2007	10	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 8	4/16/2007	9.1	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 8	7/10/2007	7.5	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 8	10/17/2007	9.6	-	-	-
cis-1,2-Dichloroethene	MW 8	6/25/2008	22	yes	-	-
cis-1,2-Dichloroethene	MW 8	12/15/2009	0.24	-	-	-
cis-1,2-Dichloroethene	MW 8	10/27/2010	5.44	-	-	-
cis-1,2-Dichloroethene	MW 8	4/18/2011	8.5	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 8	10/5/2011	7.1	-	-	-
cis-1,2-Dichloroethene	MW 8	5/15/2012	5.2 / 5.1	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 8	10/16/2012	3.8	-	-	-
cis-1,2-Dichloroethene	MW 8	4/12/2013	3.5	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 8	10/29/2013	4.2	-	-	-
cis-1,2-Dichloroethene	MW 8	4/15/2014	9.3	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 8	10/27/2014	4.4	-	-	-
cis-1,2-Dichloroethene	MW 8	4/28/2015	3.8	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 8	10/14/2015	4.8	-	-	-

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cis-1,2-Dichloroethene	MW 8	4/20/2016	4.9 / 4.9	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 8	10/21/2016	4.3	-	-	-
cis-1,2-Dichloroethene	MW 8	4/18/2017	3.1	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 8	10/10/2017	4	-	-	-
cis-1,2-Dichloroethene	MW 8	4/11/2018	3.6	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 8	10/10/2018	2.2	-	-	-
cis-1,2-Dichloroethene	MW 8	04/25/2019	1.4	-	-	-
cis-1,2-Dichloroethene	MW 8	11/03/2020	2.2	-	-	-
cis-1,2-Dichloroethene	MW 8	04/27/2022	0.95	-	-	-
cis-1,2-Dichloroethene	MW 8	10/10/2023	1.7	-	-	-
cis-1,2-Dichloroethene	MW 12	2/1/2005	1	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 12	10/19/2005	0.96 / 1	-	-	-
cis-1,2-Dichloroethene	MW 12	1/31/2006	0.97	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 12	4/18/2006	0.51	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 12	7/18/2006	0.41 / 0.45	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 12	10/17/2006	0.67	-	-	-
cis-1,2-Dichloroethene	MW 12	1/24/2007	0.51	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 12	4/16/2007	0.44	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 12	7/10/2007	0.61	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 12	10/17/2007	0.59	-	-	-
cis-1,2-Dichloroethene	MW 12	6/25/2008	0.46	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 12	12/5/2008	0.48	-	-	-
cis-1,2-Dichloroethene	MW 12	4/30/2009	0.49	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 12	12/15/2009	0.42	-	-	-
cis-1,2-Dichloroethene	MW 12	10/27/2010	0.324	-	-	-
cis-1,2-Dichloroethene	MW 12	4/18/2011	0.29	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 12	10/5/2011	0.24	-	-	-
cis-1,2-Dichloroethene	MW 12	5/15/2012	0.24	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 12	10/16/2012	0.2	-	-	-
cis-1,2-Dichloroethene	MW 12	4/12/2013	0.21	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 12	10/29/2013	0.24	-	-	-
cis-1,2-Dichloroethene	MW 12	4/15/2014	0.21	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 12	10/27/2014	0.16 / 0.15	-	-	-
cis-1,2-Dichloroethene	MW 12	4/28/2015	0.13	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 12	10/14/2015	0.08	-	-	-
cis-1,2-Dichloroethene	MW 12	4/20/2016	0.13	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 12	10/21/2016	0.12	-	-	-
cis-1,2-Dichloroethene	MW 12	4/18/2017	0.11	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 12	10/10/2017	0.1	-	-	-
cis-1,2-Dichloroethene	MW 12	4/11/2018	0.1	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 12	10/10/2018	0.08	-	-	-
cis-1,2-Dichloroethene	MW 12	04/25/2019	0.09	-	-	-
cis-1,2-Dichloroethene	MW 12	11/03/2020	0.072	-	-	-
cis-1,2-Dichloroethene	MW 12	04/27/2022	0.056	-	-	-
cis-1,2-Dichloroethene	MW 12	10/10/2023	0.056	-	-	-
cis-1,2-Dichloroethene	MW 14	2/1/2005	7.4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 14	10/19/2005	7.4	-	-	-
cis-1,2-Dichloroethene	MW 14	2/1/2006	5.7	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 14	4/18/2006	4.7	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 14	7/18/2006	4.1	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 14	10/17/2006	4.3 J	-	-	-
cis-1,2-Dichloroethene	MW 14	1/24/2007	4.7	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 14	4/16/2007	5.8 J	-	-	sampling frequency

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cis-1,2-Dichloroethene	MW 14	7/10/2007	6.6	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 14	10/17/2007	7.7	-	-	-
cis-1,2-Dichloroethene	MW 14	6/25/2008	6	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 14	12/5/2008	6.1	-	-	-
cis-1,2-Dichloroethene	MW 14	4/30/2009	6.1	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 14	12/15/2009	0.33	yes	-	-
cis-1,2-Dichloroethene	MW 14	10/27/2010	5.22	-	-	-
cis-1,2-Dichloroethene	MW 14	4/18/2011	4.9	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 14	10/5/2011	4.7	-	-	-
cis-1,2-Dichloroethene	MW 14	5/15/2012	4.4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 14	10/16/2012	4.9	-	-	-
cis-1,2-Dichloroethene	MW 14	4/12/2013	3.9 / 3.6	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 14	10/29/2013	5 / 6.1	-	-	-
cis-1,2-Dichloroethene	MW 14	4/15/2014	5.5 / 5.7	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 14	10/27/2014	4.9	-	-	-
cis-1,2-Dichloroethene	MW 14	4/28/2015	4.5 / 4.8	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 14	10/14/2015	4.7	-	-	-
cis-1,2-Dichloroethene	MW 14	4/20/2016	4.4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 14	10/21/2016	4.4	-	-	-
cis-1,2-Dichloroethene	MW 14	4/18/2017	4.1 / 3.9	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 14	10/10/2017	4.1 / 4	-	-	-
cis-1,2-Dichloroethene	MW 14	4/11/2018	4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 14	10/10/2018	4.1	-	-	-
cis-1,2-Dichloroethene	MW 14	04/25/2019	3.2	-	-	-
cis-1,2-Dichloroethene	MW 14	11/03/2020	3B	-	-	-
cis-1,2-Dichloroethene	MW 14	04/27/2022	3.2 / 3.2	-	-	-
cis-1,2-Dichloroethene	MW 14	10/10/2023	3.2 / 3.1	-	-	-
cis-1,2-Dichloroethene	MW 15	2/1/2005	29	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 15	10/19/2005	11	-	-	-
cis-1,2-Dichloroethene	MW 15	2/1/2006	20 J	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 15	4/18/2006	12	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 15	7/18/2006	9	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 15	10/17/2006	8.4	-	-	-
cis-1,2-Dichloroethene	MW 15	1/24/2007	24	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 15	4/16/2007	18	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 15	7/10/2007	15 / 15	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 15	10/17/2007	12	-	-	-
cis-1,2-Dichloroethene	MW 15	2/18/2008	19	-	-	-
cis-1,2-Dichloroethene	MW 15	10/29/2013	12	-	-	-
cis-1,2-Dichloroethene	MW 15	10/27/2014	6.3	-	-	-
cis-1,2-Dichloroethene	MW 15	10/14/2015	4.4	-	-	-
cis-1,2-Dichloroethene	MW 15	10/21/2016	1.7	-	-	-
cis-1,2-Dichloroethene	MW 15	10/10/2017	3.5	-	-	-
cis-1,2-Dichloroethene	MW 15	10/10/2018	5.4	-	-	-
cis-1,2-Dichloroethene	MW 15	11/03/2020	1.9	-	-	-
cis-1,2-Dichloroethene	MW 15	04/27/2022	11	-	-	-
cis-1,2-Dichloroethene	MW 15	10/10/2023	5.1	-	-	-
cis-1,2-Dichloroethene	MW 16	1/11/2005	0.001 U	-	high DL	-
cis-1,2-Dichloroethene	MW 16	10/29/2013	0.00031 J	-	-	-
cis-1,2-Dichloroethene	MW 16	4/15/2014	0.001 U	-	high DL	-
cis-1,2-Dichloroethene	MW 16	10/14/2015	0.00026 J	-	-	-
cis-1,2-Dichloroethene	MW 16	10/21/2016	0.001 U	-	high DL	-
cis-1,2-Dichloroethene	MW 16	10/10/2017	0.0019	-	-	-

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cis-1,2-Dichloroethene	MW 16	10/10/2018	0.005 U	-	high DL	-
cis-1,2-Dichloroethene	MW 16	10/08/2019	9.6	-	-	-
cis-1,2-Dichloroethene	MW 16	11/03/2020	5.6B	-	-	-
cis-1,2-Dichloroethene	MW 16	04/27/2022	2.5	-	-	-
cis-1,2-Dichloroethene	MW 16	10/10/2023	3.3	-	-	-
cis-1,2-Dichloroethene	MW 21	2/1/2005	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 21	10/19/2005	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 21	2/1/2006	0.00092 J	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 21	4/18/2006	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 21	7/18/2006	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 21	10/17/2006	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 21	1/24/2007	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 21	4/16/2007	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 21	7/10/2007	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 21	10/17/2007	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 21	10/14/2015	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 21	10/21/2016	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 21	10/10/2017	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 21	10/10/2018	0.00046 J	-	-	-
cis-1,2-Dichloroethene	MW 21	11/03/2020	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 21	04/27/2022	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 21	10/10/2023	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 28	1/11/2005	6.1	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 28	10/19/2005	0.0063 U	-	-	detection frequency
cis-1,2-Dichloroethene	MW 28	10/17/2006	0.001 U	-	-	detection frequency
cis-1,2-Dichloroethene	MW 28	10/17/2007	0.0071 U	-	-	detection frequency
cis-1,2-Dichloroethene	MW 28	6/25/2008	0.0042 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 28	12/5/2008	0.005 U	-	-	detection frequency
cis-1,2-Dichloroethene	MW 28	4/30/2009	0.005 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 28	12/15/2009	0.0063 U	-	-	detection frequency
cis-1,2-Dichloroethene	MW 28	10/27/2010	0.005 U	-	-	detection frequency
cis-1,2-Dichloroethene	MW 28	4/18/2011	0.002 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 28	10/5/2011	0.0033 U	-	-	detection frequency
cis-1,2-Dichloroethene	MW 28	5/15/2012	0.0011 J	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 28	10/16/2012	0.018	-	-	-
cis-1,2-Dichloroethene	MW 28	4/12/2013	0.13	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 28	10/29/2013	0.31	-	-	-
cis-1,2-Dichloroethene	MW 28	4/15/2014	0.56 / 0.57	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 28	10/27/2014	0.56	-	-	-
cis-1,2-Dichloroethene	MW 28	4/28/2015	0.6	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 28	10/14/2015	0.86	-	-	-
cis-1,2-Dichloroethene	MW 28	4/20/2016	0.77	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 28	10/21/2016	0.86	-	-	-
cis-1,2-Dichloroethene	MW 28	4/18/2017	0.85	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 28	10/10/2017	0.92	-	-	-
cis-1,2-Dichloroethene	MW 28	4/11/2018	0.97	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 28	10/10/2018	1 / 1	-	-	-
cis-1,2-Dichloroethene	MW 28	04/25/2019	1	-	-	-
cis-1,2-Dichloroethene	MW 28	11/03/2020	1.3	-	-	-
cis-1,2-Dichloroethene	MW 28	04/27/2022	2.1	-	-	-
cis-1,2-Dichloroethene	MW 28	10/10/2023	1.9	-	-	-
cis-1,2-Dichloroethene	MW 31R	10/19/2005	45	-	-	-
cis-1,2-Dichloroethene	MW 31R	1/31/2006	16	-	-	sampling frequency

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cis-1,2-Dichloroethene	MW 31R	4/18/2006	8.7	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 31R	7/18/2006	12	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 31R	10/17/2006	6.8 / 6.3 J	-	-	-
cis-1,2-Dichloroethene	MW 31R	1/24/2007	7.3 / 7.8	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 31R	4/16/2007	10	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 31R	7/10/2007	13	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 31R	10/17/2007	12	-	-	-
cis-1,2-Dichloroethene	MW 31R	2/18/2008	15 / 16	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 31R	12/5/2008	14	-	-	-
cis-1,2-Dichloroethene	MW 31R	4/30/2009	11	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 31R	12/15/2009	11	-	-	-
cis-1,2-Dichloroethene	MW 31R	10/27/2010	6.44	-	-	-
cis-1,2-Dichloroethene	MW 31R	4/18/2011	6.2	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 31R	10/5/2011	5.1	-	-	-
cis-1,2-Dichloroethene	MW 31R	5/15/2012	8.8	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 31R	10/16/2012	6.2	-	-	-
cis-1,2-Dichloroethene	MW 31R	4/12/2013	8.3	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 31R	10/29/2013	7.2	-	-	-
cis-1,2-Dichloroethene	MW 31R	4/15/2014	12	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 31R	10/27/2014	7.3	-	-	-
cis-1,2-Dichloroethene	MW 31R	4/28/2015	11	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 31R	10/14/2015	6.6	-	-	-
cis-1,2-Dichloroethene	MW 31R	4/20/2016	15	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 31R	10/21/2016	18 / 18	-	-	-
cis-1,2-Dichloroethene	MW 31R	4/18/2017	18	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 31R	10/10/2017	69	-	-	-
cis-1,2-Dichloroethene	MW 31R	4/11/2018	20	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 31R	10/10/2018	33 / 32	-	-	-
cis-1,2-Dichloroethene	MW 31R	04/25/2019	95	-	-	-
cis-1,2-Dichloroethene	MW 31R	11/03/2020	16	-	-	-
cis-1,2-Dichloroethene	MW 31R	04/27/2022	66	-	-	-
cis-1,2-Dichloroethene	MW 31R	10/10/2023	32	-	-	-
cis-1,2-Dichloroethene	MW 37	1/11/2005	0.001 U/ 0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 37	10/17/2007	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 37	6/25/2008	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 37	12/15/2009	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 37	10/27/2010	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 37	10/5/2011	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 37	10/16/2012	0.001 U/ 0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 37	10/29/2013	0.0011	-	-	-
cis-1,2-Dichloroethene	MW 37	10/27/2014	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 37	10/14/2015	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 37	10/21/2016	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 37	10/10/2017	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 37	10/10/2018	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 37	11/03/2020	ND(0.001)J	-	-	-
cis-1,2-Dichloroethene	MW 37	04/27/2022	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 37	10/10/2023	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 40	1/11/2005	13	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 40	10/19/2005	16	-	-	-
cis-1,2-Dichloroethene	MW 40	1/31/2006	15	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 40	4/18/2006	8.5	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 40	7/18/2006	9.4	-	-	sampling frequency

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cis-1,2-Dichloroethene	MW 40	10/17/2006	12	-	-	-
cis-1,2-Dichloroethene	MW 40	1/24/2007	11	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 40	4/16/2007	9.6	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 40	7/10/2007	10	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 40	10/17/2007	17	-	-	-
cis-1,2-Dichloroethene	MW 40	2/18/2008	17	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 40	6/25/2008	15 J	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 40	12/5/2008	13 / 13	-	-	-
cis-1,2-Dichloroethene	MW 40	4/30/2009	13	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 40	12/15/2009	13	-	-	-
cis-1,2-Dichloroethene	MW 40	10/27/2010	7.66	-	-	-
cis-1,2-Dichloroethene	MW 40	4/18/2011	8.8	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 40	10/5/2011	7.6	-	-	-
cis-1,2-Dichloroethene	MW 40	5/15/2012	7.9	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 40	10/16/2012	6.7	-	-	-
cis-1,2-Dichloroethene	MW 40	4/12/2013	7.9	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 40	10/29/2013	8.1	-	-	-
cis-1,2-Dichloroethene	MW 40	4/15/2014	11	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 40	10/27/2014	7.2	-	-	-
cis-1,2-Dichloroethene	MW 40	4/28/2015	7.5	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 40	10/14/2015	6.3	-	-	-
cis-1,2-Dichloroethene	MW 40	4/20/2016	7	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 40	10/21/2016	5	-	-	-
cis-1,2-Dichloroethene	MW 40	4/18/2017	5.4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 40	10/10/2017	5.4 / 5.5	-	-	-
cis-1,2-Dichloroethene	MW 40	4/11/2018	5.8	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 40	10/10/2018	5.4	-	-	-
cis-1,2-Dichloroethene	MW 40	04/25/2019	4.6	-	-	-
cis-1,2-Dichloroethene	MW 40	11/03/2020	3.1	-	-	-
cis-1,2-Dichloroethene	MW 40	04/27/2022	4.5	-	-	-
cis-1,2-Dichloroethene	MW 40	10/10/2023	3.5	-	-	-
cis-1,2-Dichloroethene	MW 41	10/19/2005	4.3	-	-	-
cis-1,2-Dichloroethene	MW 41	1/31/2006	8.5	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 41	4/18/2006	4.7 / 5.1	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 41	7/18/2006	5.4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 41	10/17/2006	6.5 J	-	-	-
cis-1,2-Dichloroethene	MW 41	1/24/2007	6.5	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 41	4/16/2007	5.1 / 4.1	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 41	7/10/2007	8.3	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 41	10/17/2007	10	-	-	-
cis-1,2-Dichloroethene	MW 41	2/18/2008	9.8	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 41	6/25/2008	7	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 41	12/5/2008	9.5	-	-	-
cis-1,2-Dichloroethene	MW 41	4/30/2009	10	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 41	12/15/2009	8.4	-	-	-
cis-1,2-Dichloroethene	MW 41	10/27/2010	6.94	-	-	-
cis-1,2-Dichloroethene	MW 41	4/18/2011	6.3	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 41	10/5/2011	6.3	-	-	-
cis-1,2-Dichloroethene	MW 41	5/15/2012	6	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 41	10/16/2012	6.8	-	-	-
cis-1,2-Dichloroethene	MW 41	4/12/2013	6.3	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 41	10/29/2013	7.2	-	-	-
cis-1,2-Dichloroethene	MW 41	4/15/2014	7.6	-	-	sampling frequency

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cis-1,2-Dichloroethene	MW 41	10/27/2014	7.3	-	-	-
cis-1,2-Dichloroethene	MW 41	4/28/2015	6.4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 41	10/14/2015	6.5 / 6.2	-	-	-
cis-1,2-Dichloroethene	MW 41	4/20/2016	6.4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 41	10/21/2016	5.2	-	-	-
cis-1,2-Dichloroethene	MW 41	4/18/2017	6	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 41	10/10/2017	5.4	-	-	-
cis-1,2-Dichloroethene	MW 41	4/11/2018	5.8	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 41	10/10/2018	4.8	-	-	-
cis-1,2-Dichloroethene	MW 41	04/25/2019	5.1 / 5.1	-	-	-
cis-1,2-Dichloroethene	MW 41	11/03/2020	4.2B	-	-	-
cis-1,2-Dichloroethene	MW 41	04/27/2022	2.9	-	-	-
cis-1,2-Dichloroethene	MW 41	10/10/2023	3.8	-	-	-
cis-1,2-Dichloroethene	MW 42	10/19/2005	12	-	-	-
cis-1,2-Dichloroethene	MW 42	1/31/2006	9.7 / 10	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 42	4/18/2006	6.5	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 42	7/18/2006	7	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 42	10/17/2006	6.4 J	-	-	-
cis-1,2-Dichloroethene	MW 42	1/24/2007	6.2 / 6.2	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 42	4/16/2007	3.7	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 42	7/10/2007	9.2	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 42	10/17/2007	9.8	-	-	-
cis-1,2-Dichloroethene	MW 42	2/18/2008	10	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 42	6/25/2008	7.9	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 42	12/5/2008	8.9	-	-	-
cis-1,2-Dichloroethene	MW 42	4/30/2009	9.3	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 42	12/15/2009	8.1	-	-	-
cis-1,2-Dichloroethene	MW 42	10/27/2010	6.27	-	-	-
cis-1,2-Dichloroethene	MW 42	4/18/2011	6	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 42	10/5/2011	5	-	-	-
cis-1,2-Dichloroethene	MW 42	5/15/2012	5.4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 42	10/16/2012	5.3	-	-	-
cis-1,2-Dichloroethene	MW 42	4/12/2013	5.2	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 42	10/29/2013	5.2	-	-	-
cis-1,2-Dichloroethene	MW 42	4/15/2014	5.6	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 42	10/27/2014	4.3	-	-	-
cis-1,2-Dichloroethene	MW 42	4/28/2015	4.1	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 42	10/14/2015	4.4	-	-	-
cis-1,2-Dichloroethene	MW 42	4/20/2016	4.1	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 42	10/21/2016	3.2	-	-	-
cis-1,2-Dichloroethene	MW 42	4/18/2017	2.9	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 42	10/10/2017	3.7	-	-	-
cis-1,2-Dichloroethene	MW 42	4/11/2018	3.9	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 42	10/10/2018	3.5	-	-	-
cis-1,2-Dichloroethene	MW 42	04/25/2019	2.4	-	-	-
cis-1,2-Dichloroethene	MW 42	11/03/2020	2.9B	-	-	-
cis-1,2-Dichloroethene	MW 42	04/27/2022	3.2	-	-	-
cis-1,2-Dichloroethene	MW 42	10/10/2023	2.7	-	-	-
cis-1,2-Dichloroethene	MW 46	1/11/2005	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 46	10/17/2007	0.001 U / 0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 46	6/25/2008	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 46	12/15/2009	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 46	10/27/2010	0.005 U	-	-	-

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cis-1,2-Dichloroethene	MW 46	10/5/2011	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 46	10/16/2012	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 46	10/29/2013	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 46	10/27/2014	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 46	10/14/2015	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 46	10/21/2016	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 46	10/10/2017	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 46	10/10/2018	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 46	10/08/2019	0.0005J	-	-	-
cis-1,2-Dichloroethene	MW 46	11/03/2020	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 46	04/27/2022	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 46	10/10/2023	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 49	1/11/2005	0.01	-	-	-
cis-1,2-Dichloroethene	MW 49	10/17/2007	0.045	-	-	-
cis-1,2-Dichloroethene	MW 49	2/18/2008	0.045	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 49	6/25/2008	0.065	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 49	12/5/2008	0.093	-	-	-
cis-1,2-Dichloroethene	MW 49	4/30/2009	0.1	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 49	12/15/2009	0.44	-	-	-
cis-1,2-Dichloroethene	MW 49	10/27/2010	0.352	-	-	-
cis-1,2-Dichloroethene	MW 49	4/18/2011	0.37	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 49	10/5/2011	0.53	-	-	-
cis-1,2-Dichloroethene	MW 49	5/15/2012	0.66	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 49	10/16/2012	0.78	-	-	-
cis-1,2-Dichloroethene	MW 49	4/12/2013	0.74	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 49	10/29/2013	0.9	-	-	-
cis-1,2-Dichloroethene	MW 49	4/15/2014	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 49	10/27/2014	0.78	-	-	-
cis-1,2-Dichloroethene	MW 49	4/28/2015	0.71	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 49	10/14/2015	0.86	-	-	-
cis-1,2-Dichloroethene	MW 49	4/20/2016	0.83	-	-	-
cis-1,2-Dichloroethene	MW 49	4/11/2018	0.89	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 49	10/10/2018	0.89	-	-	-
cis-1,2-Dichloroethene	MW 49	04/25/2019	0.83	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 49	10/08/2019	0.69 / 0.70	-	-	-
cis-1,2-Dichloroethene	MW 49	11/03/2020	0.6	-	-	-
cis-1,2-Dichloroethene	MW 49	04/27/2022	0.43	-	-	-
cis-1,2-Dichloroethene	MW 49	10/10/2023	0.38	-	-	-
cis-1,2-Dichloroethene	MW 51	12/5/2008	0.0086 J / 0.0085 J	-	-	-
cis-1,2-Dichloroethene	MW 51	4/30/2009	0.0065 J	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 51	12/15/2009	0.011	-	-	-
cis-1,2-Dichloroethene	MW 51	10/27/2010	0.0096 J	-	-	-
cis-1,2-Dichloroethene	MW 51	4/18/2011	0.0067 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 51	10/5/2011	0.0078 J	-	-	-
cis-1,2-Dichloroethene	MW 51	5/15/2012	0.0065	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 51	10/16/2012	0.0099	-	-	-
cis-1,2-Dichloroethene	MW 51	4/12/2013	0.0076 J	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 51	10/29/2013	0.0075	-	-	-
cis-1,2-Dichloroethene	MW 51	4/15/2014	0.0071	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 51	10/27/2014	0.0077	-	-	-
cis-1,2-Dichloroethene	MW 51	4/28/2015	0.0077 / 0.0078	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 51	10/14/2015	0.0083	-	-	-
cis-1,2-Dichloroethene	MW 51	4/20/2016	0.011	-	-	sampling frequency

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cis-1,2-Dichloroethene	MW 51	10/21/2016	0.012	-	-	-
cis-1,2-Dichloroethene	MW 51	4/18/2017	0.015	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 51	10/10/2017	0.028	yes	-	-
cis-1,2-Dichloroethene	MW 51	4/11/2018	0.032 / 0.034	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 51	10/10/2018	0.079	yes	-	-
cis-1,2-Dichloroethene	MW 51	04/25/2019	0.15 / 0.16	yes	-	-
cis-1,2-Dichloroethene	MW 56	1/11/2005	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 56	10/19/2005	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 56	10/17/2006	0.0024	-	-	-
cis-1,2-Dichloroethene	MW 56	10/17/2007	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 56	6/25/2008	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 56	12/15/2009	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 56	10/27/2010	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 56	10/5/2011	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 56	10/16/2012	0.003	-	-	-
cis-1,2-Dichloroethene	MW 56	10/29/2013	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 56	10/27/2014	0.0002 J / 0.00021 J	-	-	-
cis-1,2-Dichloroethene	MW 56	10/14/2015	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 56	10/21/2016	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 56	10/10/2017	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 56	10/10/2018	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 56	11/03/2020	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 56	04/27/2022	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 56	10/10/2023	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 57	1/11/2005	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 57	10/19/2005	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 57	2/1/2006	0.0014	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 57	4/18/2006	0.0007 J	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 57	7/18/2006	0.004	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 57	10/17/2006	0.0011	-	-	-
cis-1,2-Dichloroethene	MW 57	1/24/2007	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 57	4/16/2007	0.00034 J	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 57	7/10/2007	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 57	10/17/2007	0.00014 J	-	-	-
cis-1,2-Dichloroethene	MW 57	6/25/2008	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 57	12/15/2009	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 57	10/27/2010	0.001 U / 0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 57	10/5/2011	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 57	10/16/2012	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 57	10/29/2013	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 57	10/27/2014	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 57	10/14/2015	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 57	10/21/2016	0.0042	-	-	-
cis-1,2-Dichloroethene	MW 57	10/10/2017	0.0033 U	-	-	-
cis-1,2-Dichloroethene	MW 57	10/10/2018	0.0082 U	-	-	-
cis-1,2-Dichloroethene	MW 57	11/03/2020	0.18	-	-	-
cis-1,2-Dichloroethene	MW 57	04/27/2022	0.04 U	-	-	-
cis-1,2-Dichloroethene	MW 57	10/10/2023	0.15	-	-	-
cis-1,2-Dichloroethene	MW 58	1/11/2005	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 58	10/19/2005	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 58	10/17/2006	0.0042 J	-	-	-
cis-1,2-Dichloroethene	MW 58	10/17/2007	0.0034 U	-	-	-
cis-1,2-Dichloroethene	MW 58	2/18/2008	0.001 U	-	-	sampling frequency

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cis-1,2-Dichloroethene	MW 58	6/25/2008	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 58	12/15/2009	0.0031 U	-	-	-
cis-1,2-Dichloroethene	MW 58	10/27/2010	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 58	10/5/2011	0.008 U	-	-	-
cis-1,2-Dichloroethene	MW 58	10/16/2012	0.0057 U / 0.005 U	-	-	-
cis-1,2-Dichloroethene	MW 58	10/29/2013	0.002 U	-	-	-
cis-1,2-Dichloroethene	MW 58	10/27/2014	0.0033 U	-	-	-
cis-1,2-Dichloroethene	MW 58	10/14/2015	0.028 / 0.028	-	-	-
cis-1,2-Dichloroethene	MW 58	10/21/2016	1.1	-	-	-
cis-1,2-Dichloroethene	MW 58	10/10/2017	2.2	-	-	-
cis-1,2-Dichloroethene	MW 58	10/10/2018	3	-	-	-
cis-1,2-Dichloroethene	MW 58	11/03/2020	2.9 / 2.9	-	-	-
cis-1,2-Dichloroethene	MW 58	04/27/2022	2.5	-	-	-
cis-1,2-Dichloroethene	MW 58	10/10/2023	2.7	-	-	-
cis-1,2-Dichloroethene	MW 61	1/11/2005	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 61	6/25/2008	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 61	12/15/2009	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 61	10/27/2010	0.005 U / 0.005 U	-	-	-
cis-1,2-Dichloroethene	MW 61	10/5/2011	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 61	10/16/2012	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 61	10/29/2013	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 61	10/27/2014	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 61	10/14/2015	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 61	10/21/2016	0.00035 J	-	-	-
cis-1,2-Dichloroethene	MW 61	10/10/2017	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 61	10/10/2018	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 61	11/03/2020	0.001 UJB / 0.001 UJB	-	-	-
cis-1,2-Dichloroethene	MW 61	04/27/2022	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 61	10/10/2023	0.001 U / 0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 64	1/11/2005	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 64	10/19/2005	0.001 U	-	high DL	-
cis-1,2-Dichloroethene	MW 64	10/17/2006	0.001 U	-	high DL	-
cis-1,2-Dichloroethene	MW 64	10/17/2007	0.001 U	-	high DL	-
cis-1,2-Dichloroethene	MW 64	2/18/2008	0.024 / 0.014	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 64	6/25/2008	0.001 U	-	high DL	-
cis-1,2-Dichloroethene	MW 64	12/15/2009	0.00014 J / 0.00014 J	-	-	-
cis-1,2-Dichloroethene	MW 64	10/27/2010	0.005 U	-	high DL	-
cis-1,2-Dichloroethene	MW 64	10/5/2011	0.001 U	-	high DL	-
cis-1,2-Dichloroethene	MW 64	10/16/2012	0.001 U / 0.00063 J	-	-	-
cis-1,2-Dichloroethene	MW 64	10/29/2013	0.025	-	-	-
cis-1,2-Dichloroethene	MW 64	10/27/2014	0.22	-	-	-
cis-1,2-Dichloroethene	MW 64	10/14/2015	0.25	-	-	-
cis-1,2-Dichloroethene	MW 64	10/21/2016	0.062	-	-	-
cis-1,2-Dichloroethene	MW 64	10/10/2017	0.23	-	-	-
cis-1,2-Dichloroethene	MW 64	10/10/2018	0.21 / 0.21	-	-	-
cis-1,2-Dichloroethene	MW 64	11/03/2020	0.31B / 0.32B	-	-	-
cis-1,2-Dichloroethene	MW 64	04/27/2022	0.009	-	-	-
cis-1,2-Dichloroethene	MW 64	10/10/2023	0.31	-	-	-
cis-1,2-Dichloroethene	MW 65	1/11/2005	0.17	-	-	-
cis-1,2-Dichloroethene	MW 65	10/17/2007	2.7	-	-	-
cis-1,2-Dichloroethene	MW 65	2/18/2008	3	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 65	6/25/2008	0.34	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 65	12/5/2008	1.9	-	-	-

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cis-1,2-Dichloroethene	MW 65	4/30/2009	0.97	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 65	12/15/2009	1.4	-	-	-
cis-1,2-Dichloroethene	MW 65	10/27/2010	2.44	-	-	-
cis-1,2-Dichloroethene	MW 65	10/5/2011	0.97	-	-	-
cis-1,2-Dichloroethene	MW 65	10/16/2012	0.38	-	-	-
cis-1,2-Dichloroethene	MW 65	10/29/2013	0.21	-	-	-
cis-1,2-Dichloroethene	MW 65	10/27/2014	0.053 / 0.064	-	-	-
cis-1,2-Dichloroethene	MW 65	10/14/2015	0.051	-	-	-
cis-1,2-Dichloroethene	MW 65	10/21/2016	0.028	-	-	-
cis-1,2-Dichloroethene	MW 65	10/10/2017	0.02	-	-	-
cis-1,2-Dichloroethene	MW 65	10/10/2018	0.015	-	-	-
cis-1,2-Dichloroethene	MW 65	11/03/2020	0.0082B	-	-	-
cis-1,2-Dichloroethene	MW 65	04/27/2022	0.0035	-	-	-
cis-1,2-Dichloroethene	MW 65	10/10/2023	0.0058	-	-	-
cis-1,2-Dichloroethene	MW 66	1/11/2005	0.001 U/ 0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 66	10/19/2005	0.0014 U	-	-	-
cis-1,2-Dichloroethene	MW 66	10/17/2006	0.001 UJ	-	-	-
cis-1,2-Dichloroethene	MW 66	10/17/2007	0.001 U / 0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 66	2/18/2008	0.00012 J u	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 66	6/25/2008	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 66	12/5/2008	0.0007 J	-	low J value	-
cis-1,2-Dichloroethene	MW 66	4/30/2009	0.001 U/ 0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 66	12/15/2009	0.0048	-	-	-
cis-1,2-Dichloroethene	MW 66	10/27/2010	0.248	-	-	-
cis-1,2-Dichloroethene	MW 66	4/18/2011	0.24 / 0.23	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 66	10/5/2011	0.33	-	-	-
cis-1,2-Dichloroethene	MW 66	5/15/2012	0.24	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 66	10/16/2012	0.42	-	-	-
cis-1,2-Dichloroethene	MW 66	4/12/2013	0.36	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 66	10/29/2013	0.9	-	-	-
cis-1,2-Dichloroethene	MW 66	4/15/2014	0.28	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 66	10/27/2014	0.53	-	-	-
cis-1,2-Dichloroethene	MW 66	4/28/2015	0.45	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 66	10/14/2015	1	-	-	-
cis-1,2-Dichloroethene	MW 66	4/20/2016	1.1	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 66	10/21/2016	1.8	-	-	-
cis-1,2-Dichloroethene	MW 66	4/18/2017	2.2	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 66	10/10/2017	3	-	-	-
cis-1,2-Dichloroethene	MW 66	4/11/2018	2.6	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 66	10/10/2018	3.4	-	-	-
cis-1,2-Dichloroethene	MW 66	04/25/2019	3.3	-	-	-
cis-1,2-Dichloroethene	MW 66	11/03/2020	2.3B	-	-	-
cis-1,2-Dichloroethene	MW 66	04/27/2022	2	-	-	-
cis-1,2-Dichloroethene	MW 66	10/10/2023	1.3 / 1.3	-	-	-
cis-1,2-Dichloroethene	MW 68	1/11/2005	14	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 68	10/19/2005	16 / 16	-	-	-
cis-1,2-Dichloroethene	MW 68	1/31/2006	13	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 68	4/18/2006	9.9	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 68	7/18/2006	7.5	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 68	10/17/2006	12	-	-	-
cis-1,2-Dichloroethene	MW 68	1/24/2007	9.5	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 68	4/16/2007	8.9	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 68	7/10/2007	13	-	-	sampling frequency

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cis-1,2-Dichloroethene	MW 68	10/17/2007	14	-	-	-
cis-1,2-Dichloroethene	MW 68	2/18/2008	14	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 68	6/25/2008	13	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 68	12/5/2008	10	-	-	-
cis-1,2-Dichloroethene	MW 68	4/30/2009	11	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 68	12/15/2009	8.7 / 8.4	-	-	-
cis-1,2-Dichloroethene	MW 68	10/27/2010	7.52	-	-	-
cis-1,2-Dichloroethene	MW 68	4/18/2011	7	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 68	10/5/2011	6.7 / 6.6	-	-	-
cis-1,2-Dichloroethene	MW 68	5/15/2012	6.7	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 68	10/16/2012	6.1	-	-	-
cis-1,2-Dichloroethene	MW 68	4/12/2013	6.1 / 6.4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 68	10/29/2013	7 / 6.7 / 6.5	-	-	-
cis-1,2-Dichloroethene	MW 68	4/15/2014	6.3	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 68	10/27/2014	5.5	-	-	-
cis-1,2-Dichloroethene	MW 68	4/28/2015	5.8 / 5.9	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 68	10/14/2015	5.1 / 4.9	-	-	-
cis-1,2-Dichloroethene	MW 68	4/20/2016	4.5	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 68	10/21/2016	3.5	-	-	-
cis-1,2-Dichloroethene	MW 68	4/18/2017	3.7	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 68	10/10/2017	4.2	-	-	-
cis-1,2-Dichloroethene	MW 68	4/11/2018	3.7	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 68	10/10/2018	4.4	-	-	-
cis-1,2-Dichloroethene	MW 68	04/25/2019	4.4	-	-	-
cis-1,2-Dichloroethene	MW 68	11/03/2020	3 / 3	-	-	-
cis-1,2-Dichloroethene	MW 68	04/27/2022	3.2	-	-	-
cis-1,2-Dichloroethene	MW 68	10/10/2023	3.5	-	-	-
cis-1,2-Dichloroethene	MW 75	1/11/2005	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 75	10/19/2005	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 75	10/17/2006	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 75	10/17/2007	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 75	6/25/2008	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 75	10/27/2010	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 75	10/5/2011	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 75	10/16/2012	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 75	10/29/2013	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 75	10/27/2014	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 75	10/21/2016	0.0007 J	-	-	-
cis-1,2-Dichloroethene	MW 75	10/10/2017	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 75	10/10/2018	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 75	11/03/2020	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 75	04/27/2022	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 75	10/10/2023	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 76/MW 76R-17	1/11/2005	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 76/MW 76R-17	10/19/2005	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 76/MW 76R-17	10/17/2006	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 76/MW 76R-17	10/17/2007	0.00019 J	-	-	-
cis-1,2-Dichloroethene	MW 76/MW 76R-17	10/27/2010	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 76/MW 76R-17	10/5/2011	0.001 U / 0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 76/MW 76R-17	10/16/2012	0.00099 J	-	-	-
cis-1,2-Dichloroethene	MW 76/MW 76R-17	10/29/2013	0.00043 J / 0.00036 J	-	-	-
cis-1,2-Dichloroethene	MW 76/MW 76R-17	10/27/2014	0.00043 J	-	-	-
cis-1,2-Dichloroethene	MW 76/MW 76R-17	10/10/2017	0.0027	-	-	-

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cis-1,2-Dichloroethene	MW 76/MW 76R-17	10/10/2018	0.0028	-	-	-
cis-1,2-Dichloroethene	MW 76/MW 76R-17	11/03/2020	0.0032B	-	-	-
cis-1,2-Dichloroethene	MW 76/MW 76R-17	10/10/2023	0.001 U / 0.01	-	-	-
cis-1,2-Dichloroethene	MW 79	1/11/2005	0.79	-	-	-
cis-1,2-Dichloroethene	MW 79	10/17/2007	0.99	-	-	-
cis-1,2-Dichloroethene	MW 79	12/5/2008	1	-	-	-
cis-1,2-Dichloroethene	MW 79	4/30/2009	1.1	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 79	12/15/2009	1.5	-	-	-
cis-1,2-Dichloroethene	MW 79	10/27/2010	1.22	-	-	-
cis-1,2-Dichloroethene	MW 79	4/18/2011	1.2	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 79	10/5/2011	1.5	-	-	-
cis-1,2-Dichloroethene	MW 79	5/15/2012	1.4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 79	10/16/2012	2.2 / 2.1	-	-	-
cis-1,2-Dichloroethene	MW 79	4/12/2013	1.9	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 79	10/29/2013	2.6	-	-	-
cis-1,2-Dichloroethene	MW 79	4/15/2014	2.9	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 79	10/27/2014	2.4 / 2.5	-	-	-
cis-1,2-Dichloroethene	MW 79	4/28/2015	2.4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 79	10/14/2015	2	-	-	-
cis-1,2-Dichloroethene	MW 79	4/20/2016	2.4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 79	10/21/2016	2.1	-	-	-
cis-1,2-Dichloroethene	MW 79	4/18/2017	2.3 / 2.3	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 79	10/10/2017	2.5	-	-	-
cis-1,2-Dichloroethene	MW 79	4/11/2018	3.5	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 79	10/10/2018	2.4	-	-	-
cis-1,2-Dichloroethene	MW 79	04/25/2019	2.2	-	-	-
cis-1,2-Dichloroethene	MW 79	11/03/2020	1.5B	-	-	-
cis-1,2-Dichloroethene	MW 79	04/27/2022	2.1	-	-	-
cis-1,2-Dichloroethene	MW 79	10/10/2023	2.6	-	-	-
cis-1,2-Dichloroethene	MW 80	3/9/2005	0.001 U/ 0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 80	10/19/2005	0.0083 U	-	-	-
cis-1,2-Dichloroethene	MW 80	10/17/2006	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 80	10/17/2007	0.00013 J	-	-	-
cis-1,2-Dichloroethene	MW 80	6/25/2008	0.005 U / 0.005 U	-	-	-
cis-1,2-Dichloroethene	MW 80	12/15/2009	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 80	10/27/2010	0.005 U	-	-	-
cis-1,2-Dichloroethene	MW 80	10/5/2011	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 80	10/16/2012	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 80	10/29/2013	0.0017 U	-	-	-
cis-1,2-Dichloroethene	MW 80	10/27/2014	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 80	10/14/2015	0.0012 J	-	-	-
cis-1,2-Dichloroethene	MW 80	10/21/2016	0.025	-	-	-
cis-1,2-Dichloroethene	MW 80	10/10/2017	0.0086	-	-	-
cis-1,2-Dichloroethene	MW 80	10/10/2018	0.015	-	-	-
cis-1,2-Dichloroethene	MW 80	11/03/2020	0.013B	-	-	-
cis-1,2-Dichloroethene	MW 80	04/27/2022	0.0064 / 0.007	-	-	-
cis-1,2-Dichloroethene	MW 80	10/10/2023	0.24	-	-	-
cis-1,2-Dichloroethene	MW 81	3/9/2005	0.001 UJ / 0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 81	10/19/2005	0.001 U	-	high DL	-
cis-1,2-Dichloroethene	MW 81	10/17/2006	0.001 UJ / 0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 81	10/17/2007	0.001 U	-	high DL	-
cis-1,2-Dichloroethene	MW 81	2/18/2008	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 81	6/25/2008	0.00024 J	-	-	-

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cis-1,2-Dichloroethene	MW 81	12/15/2009	0.0006 J	-	-	-
cis-1,2-Dichloroethene	MW 81	10/27/2010	0.005 U	-	high DL	-
cis-1,2-Dichloroethene	MW 81	10/5/2011	0.019	-	-	-
cis-1,2-Dichloroethene	MW 81	10/16/2012	0.039	-	-	-
cis-1,2-Dichloroethene	MW 81	10/29/2013	0.15	-	-	-
cis-1,2-Dichloroethene	MW 81	10/27/2014	0.17	-	-	-
cis-1,2-Dichloroethene	MW 81	10/14/2015	0.19	-	-	-
cis-1,2-Dichloroethene	MW 81	10/21/2016	0.077	-	-	-
cis-1,2-Dichloroethene	MW 81	10/10/2017	0.096	-	-	-
cis-1,2-Dichloroethene	MW 81	10/10/2018	0.078	-	-	-
cis-1,2-Dichloroethene	MW 81	11/03/2020	0.057	-	-	-
cis-1,2-Dichloroethene	MW 81	04/27/2022	0.028	-	-	-
cis-1,2-Dichloroethene	MW 81	10/10/2023	0.079	-	-	-
cis-1,2-Dichloroethene	MW 82	3/9/2005	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 82	10/19/2005	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 82	10/17/2006	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 82	10/17/2007	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 82	6/25/2008	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 82	12/15/2009	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 82	10/27/2010	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 82	10/5/2011	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 82	10/29/2013	0.0022	-	-	-
cis-1,2-Dichloroethene	MW 82	10/27/2014	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 82	10/14/2015	0.00041 J	-	-	-
cis-1,2-Dichloroethene	MW 82	10/21/2016	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 82	10/10/2017	0.002 / 0.002	-	-	-
cis-1,2-Dichloroethene	MW 82	10/10/2018	0.001 U / 0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 82	11/03/2020	ND(0.001)JB	-	-	-
cis-1,2-Dichloroethene	MW 82	04/27/2022	0.00067J	-	-	-
cis-1,2-Dichloroethene	MW 82	10/10/2023	0.00078	-	-	-
cis-1,2-Dichloroethene	MW 83	3/9/2005	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 83	10/19/2005	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 83	10/17/2006	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 83	10/17/2007	0.00041 J	-	-	-
cis-1,2-Dichloroethene	MW 83	6/25/2008	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 83	12/15/2009	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 83	10/27/2010	0.005 U	-	-	-
cis-1,2-Dichloroethene	MW 83	10/5/2011	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 83	10/16/2012	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 83	10/29/2013	0.00032 J	-	-	-
cis-1,2-Dichloroethene	MW 83	10/27/2014	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 83	10/14/2015	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 83	10/21/2016	0.001 U / 0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 83	10/10/2017	0.00041 J	-	-	-
cis-1,2-Dichloroethene	MW 83	10/10/2018	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 83	11/03/2020	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 83	04/27/2022	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 83	10/10/2023	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 84	10/19/2005	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 84	4/12/2013	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 84	10/29/2013	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 84	4/15/2014	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 84	10/14/2015	0.00027 J	-	-	-

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cis-1,2-Dichloroethene	MW 84	10/21/2016	0.001	-	-	-
cis-1,2-Dichloroethene	MW 84	10/10/2017	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 84	10/10/2018	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 84	10/08/2019	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 84	11/03/2020	ND(0.001)JB	-	-	-
cis-1,2-Dichloroethene	MW 84	04/27/2022	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 84	10/10/2023	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 85	2/18/2008	0.017 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 85	6/25/2008	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 85	12/5/2008	0.031 U	-	-	-
cis-1,2-Dichloroethene	MW 85	4/30/2009	0.025 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 85	12/15/2009	0.017 U	-	-	-
cis-1,2-Dichloroethene	MW 85	10/27/2010	0.693	-	-	-
cis-1,2-Dichloroethene	MW 85	4/18/2011	0.18	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 85	10/5/2011	0.59	-	-	-
cis-1,2-Dichloroethene	MW 85	5/15/2012	0.66	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 85	10/16/2012	4.6	-	-	-
cis-1,2-Dichloroethene	MW 85	4/12/2013	1.9	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 85	10/29/2013	4.6	-	-	-
cis-1,2-Dichloroethene	MW 85	4/15/2014	7.4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 85	10/27/2014	7.5	-	-	-
cis-1,2-Dichloroethene	MW 85	4/28/2015	9.5	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 85	10/14/2015	10	-	-	-
cis-1,2-Dichloroethene	MW 85	4/20/2016	9.9 / 10	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 85	10/21/2016	8.4	-	-	-
cis-1,2-Dichloroethene	MW 85	4/18/2017	8.4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 85	10/10/2017	8.6	-	-	-
cis-1,2-Dichloroethene	MW 85	4/11/2018	7.3	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 85	10/10/2018	8	-	-	-
cis-1,2-Dichloroethene	MW 85	04/25/2019	4.4	-	-	-
cis-1,2-Dichloroethene	MW 85	11/03/2020	6.1	-	-	-
cis-1,2-Dichloroethene	MW 85	04/27/2022	5.2	-	-	-
cis-1,2-Dichloroethene	MW 85	10/10/2023	5.5	-	-	-
cis-1,2-Dichloroethene	MW 86	10/27/2010	0.001 U / 0.005 U	-	-	-
cis-1,2-Dichloroethene	MW 86	10/5/2011	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 86	10/16/2012	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 86	10/29/2013	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 86	10/27/2014	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 86	10/14/2015	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 86	10/21/2016	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 86	10/10/2017	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 86	10/10/2018	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 86	11/03/2020	ND(0.001)J	-	-	-
cis-1,2-Dichloroethene	MW 86	04/27/2022	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 86	10/10/2023	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 88	10/27/2010	0.005 U	-	-	-
cis-1,2-Dichloroethene	MW 88	10/5/2011	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 88	10/16/2012	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 88	10/29/2013	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 88	10/27/2014	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 88	10/14/2015	0.001 U / 0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 88	10/21/2016	0.001 U / 0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 88	10/10/2017	0.001 U	-	-	-

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cis-1,2-Dichloroethene	MW 88	10/10/2018	0.001 U / 0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 88	11/03/2020	ND(0.001)J	-	-	-
cis-1,2-Dichloroethene	MW 88	04/27/2022	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 88	10/10/2023	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 89-11	10/5/2011	0.001 U / 0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 89-11	10/16/2012	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 89-11	4/12/2013	0.001 U / 0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 89-11	10/29/2013	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 89-11	4/15/2014	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 89-11	10/27/2014	0.00055 J	-	-	-
cis-1,2-Dichloroethene	MW 89-11	4/28/2015	0.0003 J	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 89-11	10/14/2015	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 89-11	4/20/2016	0.001 U / 0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 89-11	10/21/2016	0.0003 J / 0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 89-11	4/18/2017	0.0033 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 89-11	10/10/2017	0.00059 J	-	-	-
cis-1,2-Dichloroethene	MW 89-11	4/11/2018	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 89-11	10/10/2018	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 89-11	04/25/2019	0.00037J	-	-	-
cis-1,2-Dichloroethene	MW 89-11	11/03/2020	ND(0.001)J	-	-	-
cis-1,2-Dichloroethene	MW 89-11	04/27/2022	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 89-11	10/10/2023	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW97R-16	10/21/2016	0.0012	-	-	-
cis-1,2-Dichloroethene	MW97R-16	10/10/2017	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW97R-16	10/10/2018	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW97R-16	11/03/2020	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW97R-16	04/27/2022	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW97R-16	10/10/2023	0.001 U	-	-	-
cis-1,2-Dichloroethene	Pond Intake	1/11/2005	0.013	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	4/19/2005	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	10/19/2005	0.001 U	-	-	-
cis-1,2-Dichloroethene	Pond Intake	2/1/2006	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	4/18/2006	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	7/18/2006	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	10/17/2006	0.001 UJ	-	-	-
cis-1,2-Dichloroethene	Pond Intake	1/24/2007	0.066	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	4/16/2007	0.0025	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	5/9/2007	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	6/18/2007	0.00019 J u	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	7/10/2007	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	8/15/2007	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	9/27/2007	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	10/17/2007	0.001 U	-	-	-
cis-1,2-Dichloroethene	Pond Intake	11/9/2007	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	12/4/2007	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	2/18/2008	0.00061 J u	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	6/25/2008	0.032	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	9/23/2008	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	12/5/2008	0.001 U	-	-	-
cis-1,2-Dichloroethene	Pond Intake	4/30/2009	0.0034 / 0.001 U / 0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	7/30/2009	0.001 U / 0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	12/15/2009	0.001 U	-	-	-
cis-1,2-Dichloroethene	Pond Intake	8/4/2010	0.0058	-	-	sampling frequency

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cis-1,2-Dichloroethene	Pond Intake	10/27/2010	0.001 U	-	-	-
cis-1,2-Dichloroethene	Pond Intake	4/18/2011	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	7/28/2011	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	10/5/2011	0.004 / 0.004	-	-	-
cis-1,2-Dichloroethene	Pond Intake	5/15/2012	0.0063	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	8/2/2012	0.00072 J	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	10/16/2012	0.0026	-	-	-
cis-1,2-Dichloroethene	Pond Intake	4/12/2013	0.0066	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	7/17/2013	0.017	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	10/29/2013	0.001 U	-	-	-
cis-1,2-Dichloroethene	Pond Intake	4/15/2014	0.018	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	7/17/2014	0.027 / 0.029	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	10/27/2014	0.022	-	-	-
cis-1,2-Dichloroethene	Pond Intake	4/28/2015	0.033	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	7/10/2015	0.1 / 0.11	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	10/14/2015	0.037	-	-	-
cis-1,2-Dichloroethene	Pond Intake	4/20/2016	0.077	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	7/19/2016	0.055	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	10/21/2016	0.036 / 0.034	-	-	-
cis-1,2-Dichloroethene	Pond Intake	4/18/2017	0.059	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	7/12/2017	0.11	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	10/10/2017	0.052	-	-	-
cis-1,2-Dichloroethene	Pond Intake	4/11/2018	0.12	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	7/5/2018	0.072 / 0.077	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	10/10/2018	0.1	-	-	-
cis-1,2-Dichloroethene	Pond Intake	04/25/2019	0.12 / 0.10	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	10/08/2019	0.061	-	-	-
cis-1,2-Dichloroethene	Pond Intake	11/03/2020	0.076	-	-	-
cis-1,2-Dichloroethene	Pond Intake	04/27/2022	0.067	-	-	-
cis-1,2-Dichloroethene	Pond Intake	10/10/2023	0.045	-	-	-
cis-1,2-Dichloroethene	Pond North	1/11/2005	0.032	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	4/19/2005	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	10/19/2005	0.001 U	-	-	-
cis-1,2-Dichloroethene	Pond North	2/1/2006	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	4/18/2006	0.0017 U	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	7/18/2006	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	10/17/2006	0.001 UJ	-	-	-
cis-1,2-Dichloroethene	Pond North	1/24/2007	0.081	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	4/16/2007	0.21 J	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	5/9/2007	0.00018 J u	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	6/18/2007	0.00016 J u	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	7/10/2007	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	8/15/2007	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	9/27/2007	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	10/17/2007	0.001 U	-	-	-
cis-1,2-Dichloroethene	Pond North	11/9/2007	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	12/4/2007	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	2/18/2008	0.00062 J u	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	6/25/2008	0.03	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	9/23/2008	0.001 U / 0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	12/5/2008	0.001 U	-	-	-
cis-1,2-Dichloroethene	Pond North	4/30/2009	0.0065 / 0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	7/30/2009	0.001 U	-	-	sampling frequency

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cis-1,2-Dichloroethene	Pond North	12/15/2009	0.011 J	-	-	-
cis-1,2-Dichloroethene	Pond North	8/4/2010	0.005 U / 0.005 U	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	10/27/2010	0.001 U	-	-	-
cis-1,2-Dichloroethene	Pond North	4/18/2011	0.026	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	7/28/2011	0.001 U / 0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	10/5/2011	0.0089	-	-	-
cis-1,2-Dichloroethene	Pond North	5/15/2012	0.019 / 0.022	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	8/2/2012	0.0014 / 0.0015	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	10/16/2012	0.035	-	-	-
cis-1,2-Dichloroethene	Pond North	4/12/2013	0.013	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	7/17/2013	0.032 / 0.032	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	10/29/2013	0.001 U	-	-	-
cis-1,2-Dichloroethene	Pond North	4/15/2014	0.11	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	7/17/2014	0.25	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	10/27/2014	0.31	-	-	-
cis-1,2-Dichloroethene	Pond North	4/28/2015	0.26	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	7/10/2015	0.093	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	10/14/2015	0.035	-	-	-
cis-1,2-Dichloroethene	Pond North	4/20/2016	0.12	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	7/19/2016	0.09 / 0.081	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	10/21/2016	0.5	-	-	-
cis-1,2-Dichloroethene	Pond North	4/18/2017	0.21	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	7/12/2017	0.11 / 0.1	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	10/10/2017	0.35	-	-	-
cis-1,2-Dichloroethene	Pond North	4/11/2018	0.21 / 0.22	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	7/5/2018	0.16	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	10/10/2018	0.13 / 0.13	-	-	-
cis-1,2-Dichloroethene	Pond North	04/25/2019	0.18	-	-	-
cis-1,2-Dichloroethene	Pond North	10/08/2019	0.1 / 0.1	-	-	-
cis-1,2-Dichloroethene	Pond North	11/03/2020	0.2 / 0.2	-	-	-
cis-1,2-Dichloroethene	Pond North	04/27/2022	0.1 / 0.1	-	-	-
cis-1,2-Dichloroethene	Pond North	10/10/2023	0.1 / 0.11	-	-	-
Vinyl chloride	MW-2	5/9/2007	0.001 U	-	-	sampling frequency
Vinyl chloride	MW-2	7/10/2007	0.001 U	-	-	sampling frequency
Vinyl chloride	MW-2	10/17/2007	0.001 U	-	-	-
Vinyl chloride	MW-2	6/27/2008	0.001 U	-	-	-
Vinyl chloride	MW-2	12/15/2009	0.001 U	-	-	-
Vinyl chloride	MW-2	10/28/2010	0.001 U	-	-	-
Vinyl chloride	MW-2	10/5/2011	0.001 U	-	-	-
Vinyl chloride	MW-2	10/15/2012	0.001 U	-	-	-
Vinyl chloride	MW-2	10/24/2013	0.001 U / 0.001 U	-	-	-
Vinyl chloride	MW-2	10/23/2014	0.001 U	-	-	-
Vinyl chloride	MW-2	10/14/2015	0.001 U	-	-	-
Vinyl chloride	MW-2	10/21/2016	0.001 U	-	-	-
Vinyl chloride	MW-2	10/10/2017	0.001 U	-	-	-
Vinyl chloride	MW-2	10/4/2018	0.001 U	-	-	-
Vinyl chloride	MW-2	11/03/2020	0.001 U	-	-	-
Vinyl chloride	MW-2	04/27/2022	0.001 U	-	-	-
Vinyl chloride	MW-2	10/10/2023	0.001 U	-	-	-
Vinyl chloride	MW 3	2/2/2005	0.53/ 0.56	-	-	sampling frequency
Vinyl chloride	MW 3	10/18/2005	0.00027 J	-	-	-
Vinyl chloride	MW 3	1/31/2006	0.5 U	-	-	sampling frequency

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Vinyl chloride	MW 3	4/18/2006	0.83 U/ 0.83 U	-	-	sampling frequency
Vinyl chloride	MW 3	7/18/2006	0.63 U/ 0.63 U	-	-	sampling frequency
Vinyl chloride	MW 3	10/16/2006	0.069 J	-	-	-
Vinyl chloride	MW 3	1/23/2007	0.12 J	-	-	sampling frequency
Vinyl chloride	MW 3	4/17/2007	0.16/ 0.16	-	-	sampling frequency
Vinyl chloride	MW 3	7/10/2007	1 U	-	-	sampling frequency
Vinyl chloride	MW 3	10/17/2007	0.65	-	-	-
Vinyl chloride	MW 3	2/18/2008	2	-	-	sampling frequency
Vinyl chloride	MW 3	6/27/2008	0.95 J/ 1 J	-	-	sampling frequency
Vinyl chloride	MW 3	12/4/2008	0.2 J	-	-	-
Vinyl chloride	MW 3	4/30/2009	0.39 J	-	-	sampling frequency
Vinyl chloride	MW 3	12/15/2009	0.4 / 0.34	-	-	-
Vinyl chloride	MW 3	10/28/2010	0.0785 / 0.103	-	-	-
Vinyl chloride	MW 3	4/18/2011	0.35 J	-	-	sampling frequency
Vinyl chloride	MW 3	10/5/2011	0.12 J	-	-	-
Vinyl chloride	MW 3	5/15/2012	0.33 U	-	-	sampling frequency
Vinyl chloride	MW 3	10/15/2012	0.29	-	-	-
Vinyl chloride	MW 3	4/9/2013	0.5 U	-	-	sampling frequency
Vinyl chloride	MW 3	10/24/2013	0.082 J / 0.077 J	-	-	-
Vinyl chloride	MW 3	4/15/2014	0.33 U	-	-	sampling frequency
Vinyl chloride	MW 3	10/23/2014	0.055 J	-	-	-
Vinyl chloride	MW 3	4/28/2015	0.33 U	-	-	sampling frequency
Vinyl chloride	MW 3	10/14/2015	0.062 J	-	-	-
Vinyl chloride	MW 3	4/20/2016	0.5 U	-	-	sampling frequency
Vinyl chloride	MW 3	10/21/2016	0.25 U	-	high DL	-
Vinyl chloride	MW 3	4/18/2017	0.25 U	-	-	sampling frequency
Vinyl chloride	MW 3	10/10/2017	0.1 U	-	high DL	-
Vinyl chloride	MW 3	4/11/2018	0.5 U	-	-	sampling frequency
Vinyl chloride	MW 3	10/4/2018	0.25 U	-	high DL	-
Vinyl chloride	MW 3	04/25/2019	0.2 U	-	high DL	-
Vinyl chloride	MW 3	11/03/2020	0.026	-	-	-
Vinyl chloride	MW 3	04/27/2022	0.4U / 0.4U	-	high DL	-
Vinyl chloride	MW 3	10/10/2023	0.02 U	-	high DL	-
Vinyl chloride	MW-4	1/18/2005	0.99	-	-	sampling frequency
Vinyl chloride	MW-4	10/18/2005	2.1	-	-	-
Vinyl chloride	MW-4	2/1/2006	1.7	-	-	sampling frequency
Vinyl chloride	MW-4	4/18/2006	0.52	-	-	sampling frequency
Vinyl chloride	MW-4	7/18/2006	0.9	-	-	sampling frequency
Vinyl chloride	MW-4	10/16/2006	1.3	-	-	-
Vinyl chloride	MW-4	1/23/2007	0.64	-	-	sampling frequency
Vinyl chloride	MW-4	4/17/2007	0.98	-	-	sampling frequency
Vinyl chloride	MW-4	7/10/2007	1.1/ 1.1	-	-	sampling frequency
Vinyl chloride	MW-4	10/17/2007	0.84 / 0.98	-	-	-
Vinyl chloride	MW-4	2/18/2008	1.6	-	-	sampling frequency
Vinyl chloride	MW-4	6/27/2008	0.84/ 1.2	-	-	sampling frequency
Vinyl chloride	MW-4	12/4/2008	1.2	-	-	-
Vinyl chloride	MW-4	4/30/2009	0.84 / 0.83	-	-	sampling frequency
Vinyl chloride	MW-4	12/15/2009	0.97 / 1.2	-	-	-
Vinyl chloride	MW-4	10/28/2010	0.655	-	-	-
Vinyl chloride	MW-4	4/18/2011	0.73/ 0.77	-	-	sampling frequency
Vinyl chloride	MW-4	10/5/2011	0.72	-	-	-
Vinyl chloride	MW-4	5/15/2012	0.71	-	-	sampling frequency
Vinyl chloride	MW-4	10/15/2012	0.38 J	-	-	-

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Vinyl chloride	MW-4	4/9/2013	0.44	-	-	sampling frequency
Vinyl chloride	MW-4	10/24/2013	0.43	-	-	-
Vinyl chloride	MW-4	4/15/2014	0.58/ 0.57	-	-	sampling frequency
Vinyl chloride	MW-4	10/23/2014	0.41 J	-	-	-
Vinyl chloride	MW-4	4/28/2015	0.42 J	-	-	sampling frequency
Vinyl chloride	MW-4	10/14/2015	0.47	-	-	-
Vinyl chloride	MW-4	4/20/2016	0.53	-	-	sampling frequency
Vinyl chloride	MW-4	10/21/2016	0.63	-	-	-
Vinyl chloride	MW-4	4/18/2017	0.84	-	-	sampling frequency
Vinyl chloride	MW-4	10/10/2017	0.73/0.66	-	-	-
Vinyl chloride	MW-4	4/11/2018	0.68 / 0.65	-	-	sampling frequency
Vinyl chloride	MW-4	10/4/2018	0.68	-	-	-
Vinyl chloride	MW-4	04/25/2019	0.5	-	-	-
Vinyl chloride	MW-4	11/03/2020	0.56	-	-	-
Vinyl chloride	MW-4	04/27/2022	0.38/0.35	-	-	-
Vinyl chloride	MW-4	10/10/2023	0.2	-	-	-
Vinyl chloride	MW-7	10/23/2014	0.001 U	-	-	-
Vinyl chloride	MW-7	10/10/2017	0.001 U/ 0.001 U	-	-	-
Vinyl chloride	MW-7	10/4/2018	0.001 U/ 0.001 U	-	-	-
Vinyl chloride	MW-7	11/03/2020	0.001 U	-	-	-
Vinyl chloride	MW-7	04/27/2022	0.001 U	-	-	-
Vinyl chloride	MW-7	10/10/2023	0.001 U	-	-	-
Vinyl chloride	MW 8	2/2/2005	6.9	-	-	sampling frequency
Vinyl chloride	MW 8	10/18/2005	1.3 / 1.3	-	-	-
Vinyl chloride	MW 8	2/1/2006	2.1	-	-	sampling frequency
Vinyl chloride	MW 8	4/18/2006	1.7	-	-	sampling frequency
Vinyl chloride	MW 8	7/18/2006	1.7	-	-	sampling frequency
Vinyl chloride	MW 8	10/16/2006	1.4	-	-	-
Vinyl chloride	MW 8	1/23/2007	1.7	-	-	sampling frequency
Vinyl chloride	MW 8	4/17/2007	2.1	-	-	sampling frequency
Vinyl chloride	MW 8	7/10/2007	2.3	-	-	sampling frequency
Vinyl chloride	MW 8	10/17/2007	2.4	-	-	-
Vinyl chloride	MW 8	6/27/2008	5.5	yes	-	-
Vinyl chloride	MW 8	12/15/2009	0.027	yes	-	-
Vinyl chloride	MW 8	10/28/2010	1.73	-	-	-
Vinyl chloride	MW 8	4/18/2011	2.4	-	-	sampling frequency
Vinyl chloride	MW 8	10/5/2011	1.7	-	-	-
Vinyl chloride	MW 8	5/15/2012	1.5/ 1.6	-	-	sampling frequency
Vinyl chloride	MW 8	10/15/2012	1.4	-	-	-
Vinyl chloride	MW 8	4/9/2013	1.5	-	-	sampling frequency
Vinyl chloride	MW 8	10/24/2013	1.4	-	-	-
Vinyl chloride	MW 8	4/15/2014	2.8	-	-	sampling frequency
Vinyl chloride	MW 8	10/23/2014	1.7	-	-	-
Vinyl chloride	MW 8	4/28/2015	1.9	-	-	sampling frequency
Vinyl chloride	MW 8	10/14/2015	1.5	-	-	-
Vinyl chloride	MW 8	4/20/2016	2 / 2.1	-	-	sampling frequency
Vinyl chloride	MW 8	10/21/2016	1.3	-	-	-
Vinyl chloride	MW 8	4/18/2017	1.6	-	-	sampling frequency
Vinyl chloride	MW 8	10/10/2017	1.3	-	-	-
Vinyl chloride	MW 8	4/11/2018	0.62	-	-	sampling frequency
Vinyl chloride	MW 8	10/4/2018	0.64	-	-	-
Vinyl chloride	MW 8	04/25/2019	0.87	-	-	-
Vinyl chloride	MW 8	11/03/2020	0.71	-	-	-

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Vinyl chloride	MW 8	04/27/2022	0.32	-	-	-
Vinyl chloride	MW 8	10/10/2023	1.2	-	-	-
Vinyl chloride	MW 12	2/2/2005	0.01 U	-	-	sampling frequency
Vinyl chloride	MW 12	10/18/2005	0.0014 U / 0.0014 U	-	-	-
Vinyl chloride	MW 12	1/31/2006	0.05 U	-	-	sampling frequency
Vinyl chloride	MW 12	4/18/2006	0.031 U	-	-	sampling frequency
Vinyl chloride	MW 12	7/18/2006	0.025 U/ 0.025 U	-	-	sampling frequency
Vinyl chloride	MW 12	10/16/2006	0.042 U	-	-	-
Vinyl chloride	MW 12	1/23/2007	0.025 U	-	-	sampling frequency
Vinyl chloride	MW 12	4/17/2007	0.017 U	-	-	sampling frequency
Vinyl chloride	MW 12	7/10/2007	0.00072 J	-	-	sampling frequency
Vinyl chloride	MW 12	10/17/2007	0.039 U	-	-	-
Vinyl chloride	MW 12	6/27/2008	0.031 U	-	-	sampling frequency
Vinyl chloride	MW 12	12/4/2008	0.025 U	-	-	-
Vinyl chloride	MW 12	4/30/2009	0.025 U	-	-	sampling frequency
Vinyl chloride	MW 12	12/15/2009	0.013 U	-	-	-
Vinyl chloride	MW 12	10/28/2010	0.002 U	-	-	-
Vinyl chloride	MW 12	4/18/2011	0.011 U	-	-	sampling frequency
Vinyl chloride	MW 12	10/5/2011	0.011 U	-	-	-
Vinyl chloride	MW 12	5/15/2012	0.0091 U	-	-	sampling frequency
Vinyl chloride	MW 12	10/15/2012	0.0067 U	-	-	-
Vinyl chloride	MW 12	4/9/2013	0.01 U	-	-	sampling frequency
Vinyl chloride	MW 12	10/24/2013	0.0077 U	-	-	-
Vinyl chloride	MW 12	4/15/2014	0.0057 U	-	-	sampling frequency
Vinyl chloride	MW 12	10/23/2014	0.005 U / 0.0057 U	-	-	-
Vinyl chloride	MW 12	4/28/2015	0.0057 U	-	-	sampling frequency
Vinyl chloride	MW 12	10/14/2015	0.005 U	-	-	-
Vinyl chloride	MW 12	4/20/2016	0.005 U	-	-	sampling frequency
Vinyl chloride	MW 12	10/21/2016	0.005 U	-	-	-
Vinyl chloride	MW 12	4/18/2017	0.0025 U	-	-	sampling frequency
Vinyl chloride	MW 12	10/10/2017	0.0033 U	-	-	-
Vinyl chloride	MW 12	4/11/2018	0.0067 U	-	-	sampling frequency
Vinyl chloride	MW 12	10/4/2018	0.005 U	-	-	-
Vinyl chloride	MW 12	04/25/2019	0.0033U	-	-	-
Vinyl chloride	MW 12	11/03/2020	0.0005J	-	-	-
Vinyl chloride	MW 12	04/27/2022	0.001 U	-	-	-
Vinyl chloride	MW 12	10/10/2023	0.001 U	-	-	-
Vinyl chloride	MW 14	2/2/2005	0.41	-	-	sampling frequency
Vinyl chloride	MW 14	10/18/2005	0.4	-	-	-
Vinyl chloride	MW 14	2/1/2006	0.37 J	-	-	sampling frequency
Vinyl chloride	MW 14	4/18/2006	0.22 J	-	-	sampling frequency
Vinyl chloride	MW 14	7/18/2006	0.26	-	-	sampling frequency
Vinyl chloride	MW 14	10/16/2006	0.24 J	-	-	-
Vinyl chloride	MW 14	1/23/2007	0.31	-	-	sampling frequency
Vinyl chloride	MW 14	4/17/2007	0.39	-	-	sampling frequency
Vinyl chloride	MW 14	7/10/2007	0.38	-	-	sampling frequency
Vinyl chloride	MW 14	10/17/2007	0.51	-	-	-
Vinyl chloride	MW 14	6/27/2008	0.49 J	-	-	sampling frequency
Vinyl chloride	MW 14	12/4/2008	0.29 J	-	-	-
Vinyl chloride	MW 14	4/30/2009	0.44	-	-	sampling frequency
Vinyl chloride	MW 14	12/15/2009	0.0087 J	yes	-	-
Vinyl chloride	MW 14	10/28/2010	0.228	-	-	-
Vinyl chloride	MW 14	4/18/2011	0.23	-	-	sampling frequency

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Vinyl chloride	MW 14	10/5/2011	0.19 J	-	-	-
Vinyl chloride	MW 14	5/15/2012	0.2	-	-	sampling frequency
Vinyl chloride	MW 14	10/15/2012	0.2	-	-	-
Vinyl chloride	MW 14	4/9/2013	0.19/ 0.18	-	-	sampling frequency
Vinyl chloride	MW 14	10/24/2013	0.25 / 0.22 J	-	-	-
Vinyl chloride	MW 14	4/15/2014	0.23/ 0.25	-	-	sampling frequency
Vinyl chloride	MW 14	10/23/2014	0.14 J	-	-	-
Vinyl chloride	MW 14	4/28/2015	0.15 J/ 0.15 J	-	-	sampling frequency
Vinyl chloride	MW 14	10/14/2015	0.14 J	-	-	-
Vinyl chloride	MW 14	4/20/2016	0.14 J	-	-	sampling frequency
Vinyl chloride	MW 14	10/21/2016	0.12 J	-	-	-
Vinyl chloride	MW 14	4/18/2017	0.13/0.13	-	-	sampling frequency
Vinyl chloride	MW 14	10/10/2017	0.15 J / 0.15 J	-	-	-
Vinyl chloride	MW 14	4/11/2018	0.11 J	-	-	sampling frequency
Vinyl chloride	MW 14	10/4/2018	0.13 J	-	-	-
Vinyl chloride	MW 14	04/25/2019	0.1J	-	-	-
Vinyl chloride	MW 14	11/03/2020	0.13	-	-	-
Vinyl chloride	MW 14	04/27/2022	0.13 / 0.12J	-	-	-
Vinyl chloride	MW 14	10/10/2023	0.19 / 0.18	-	-	-
Vinyl chloride	MW 15	2/2/2005	1.2	-	-	sampling frequency
Vinyl chloride	MW 15	10/18/2005	1.4	-	-	-
Vinyl chloride	MW 15	2/1/2006	1.1	-	-	sampling frequency
Vinyl chloride	MW 15	4/18/2006	0.62	-	-	sampling frequency
Vinyl chloride	MW 15	7/18/2006	1.2	-	-	sampling frequency
Vinyl chloride	MW 15	10/16/2006	0.83	-	-	-
Vinyl chloride	MW 15	1/23/2007	1.7	-	-	sampling frequency
Vinyl chloride	MW 15	4/17/2007	1.2	-	-	sampling frequency
Vinyl chloride	MW 15	7/10/2007	1.4/ 1.5	-	-	sampling frequency
Vinyl chloride	MW 15	10/17/2007	1.3	-	-	-
Vinyl chloride	MW 15	2/18/2008	1.2 J	-	-	-
Vinyl chloride	MW 15	10/24/2013	0.56	-	-	-
Vinyl chloride	MW 15	10/23/2014	0.5 U	-	high DL	-
Vinyl chloride	MW 15	10/14/2015	0.094 J	-	-	-
Vinyl chloride	MW 15	10/21/2016	0.1 U	-	high DL	-
Vinyl chloride	MW 15	10/10/2017	0.052 J	-	-	-
Vinyl chloride	MW 15	10/4/2018	0.063 J	-	-	-
Vinyl chloride	MW 15	11/03/2020	0.041	-	-	-
Vinyl chloride	MW 15	04/27/2022	0.4U	-	high DL	-
Vinyl chloride	MW 15	10/10/2023	0.094 J	-	-	-
Vinyl chloride	MW 16	1/18/2005	0.001 U	-	-	-
Vinyl chloride	MW 16	10/24/2013	0.001 U	-	-	-
Vinyl chloride	MW 16	4/15/2014	0.001 U	-	-	-
Vinyl chloride	MW 16	10/14/2015	0.001 U	-	-	-
Vinyl chloride	MW 16	10/21/2016	0.001 U	-	-	-
Vinyl chloride	MW 16	10/10/2017	0.03	-	-	-
Vinyl chloride	MW 16	10/4/2018	0.22	-	-	-
Vinyl chloride	MW 16	10/08/2019	0.63U	-	-	-
Vinyl chloride	MW 16	11/03/2020	0.019	-	-	-
Vinyl chloride	MW 16	04/27/2022	0.1U	-	-	-
Vinyl chloride	MW 16	10/10/2023	0.2 U	-	-	-
Vinyl chloride	MW 21	2/2/2005	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 21	10/18/2005	0.001 U	-	-	-
Vinyl chloride	MW 21	2/1/2006	0.001 U	-	-	sampling frequency

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Vinyl chloride	MW 21	4/18/2006	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 21	7/18/2006	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 21	10/16/2006	0.001 U	-	-	-
Vinyl chloride	MW 21	1/23/2007	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 21	4/17/2007	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 21	7/10/2007	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 21	10/17/2007	0.001 U	-	-	-
Vinyl chloride	MW 21	10/14/2015	0.001 U	-	-	-
Vinyl chloride	MW 21	10/21/2016	0.001 U	-	-	-
Vinyl chloride	MW 21	10/10/2017	0.001 U	-	-	-
Vinyl chloride	MW 21	10/4/2018	0.001 U	-	-	-
Vinyl chloride	MW 21	11/03/2020	0.001 U	-	-	-
Vinyl chloride	MW 21	04/27/2022	0.001 U	-	-	-
Vinyl chloride	MW 21	10/10/2023	0.001 U	-	-	-
Vinyl chloride	MW 28	10/18/2005	0.1	-	-	-
Vinyl chloride	MW 28	10/16/2006	0.071	-	-	-
Vinyl chloride	MW 28	10/17/2007	0.093	-	-	-
Vinyl chloride	MW 28	6/27/2008	0.077	-	-	sampling frequency
Vinyl chloride	MW 28	12/4/2008	0.057	-	-	-
Vinyl chloride	MW 28	4/30/2009	0.1	-	-	sampling frequency
Vinyl chloride	MW 28	12/15/2009	0.17	-	-	-
Vinyl chloride	MW 28	10/28/2010	0.0822	-	-	-
Vinyl chloride	MW 28	4/18/2011	0.062	-	-	sampling frequency
Vinyl chloride	MW 28	10/5/2011	0.078	-	-	-
Vinyl chloride	MW 28	5/15/2012	0.089	-	-	sampling frequency
Vinyl chloride	MW 28	10/15/2012	0.093	-	-	-
Vinyl chloride	MW 28	4/9/2013	0.17	-	-	sampling frequency
Vinyl chloride	MW 28	10/24/2013	0.14	-	-	-
Vinyl chloride	MW 28	4/15/2014	0.21/ 0.22	-	-	sampling frequency
Vinyl chloride	MW 28	10/23/2014	0.14	-	-	-
Vinyl chloride	MW 28	4/28/2015	0.13	-	-	sampling frequency
Vinyl chloride	MW 28	10/14/2015	0.21	-	-	-
Vinyl chloride	MW 28	4/20/2016	0.15	-	-	sampling frequency
Vinyl chloride	MW 28	10/21/2016	0.19	-	-	-
Vinyl chloride	MW 28	4/18/2017	0.18	-	-	sampling frequency
Vinyl chloride	MW 28	10/10/2017	0.2	-	-	-
Vinyl chloride	MW 28	4/11/2018	0.17	-	-	sampling frequency
Vinyl chloride	MW 28	10/4/2018	0.15 / 0.16	-	-	-
Vinyl chloride	MW 28	04/25/2019	0.13	-	-	-
Vinyl chloride	MW 28	11/03/2020	0.18	-	-	-
Vinyl chloride	MW 28	04/27/2022	0.22	-	-	-
Vinyl chloride	MW 28	10/10/2023	0.18	-	-	-
Vinyl chloride	MW 31R	10/18/2005	13	-	-	-
Vinyl chloride	MW 31R	1/31/2006	6	-	-	sampling frequency
Vinyl chloride	MW 31R	4/18/2006	2.8	-	-	sampling frequency
Vinyl chloride	MW 31R	7/18/2006	9.8	-	-	sampling frequency
Vinyl chloride	MW 31R	10/16/2006	7.6 / 7.2	-	-	-
Vinyl chloride	MW 31R	1/23/2007	5.9/ 6.2	-	-	sampling frequency
Vinyl chloride	MW 31R	4/17/2007	2.4	-	-	sampling frequency
Vinyl chloride	MW 31R	7/10/2007	6.6	-	-	sampling frequency
Vinyl chloride	MW 31R	10/17/2007	6.2	-	-	-
Vinyl chloride	MW 31R	2/18/2008	5/ 5.3	-	-	sampling frequency
Vinyl chloride	MW 31R	12/4/2008	3.2	-	-	-

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Vinyl chloride	MW 31R	4/30/2009	1.5	-	-	sampling frequency
Vinyl chloride	MW 31R	12/15/2009	0.7	-	-	-
Vinyl chloride	MW 31R	10/28/2010	1.57	-	-	-
Vinyl chloride	MW 31R	4/18/2011	0.64	-	-	sampling frequency
Vinyl chloride	MW 31R	10/5/2011	1.2	-	-	-
Vinyl chloride	MW 31R	5/15/2012	2.3	-	-	sampling frequency
Vinyl chloride	MW 31R	10/15/2012	1.3	-	-	-
Vinyl chloride	MW 31R	4/9/2013	1.3	-	-	sampling frequency
Vinyl chloride	MW 31R	10/24/2013	1.6	-	-	-
Vinyl chloride	MW 31R	4/15/2014	1.1	-	-	sampling frequency
Vinyl chloride	MW 31R	10/23/2014	1	-	-	-
Vinyl chloride	MW 31R	4/28/2015	0.63	-	-	sampling frequency
Vinyl chloride	MW 31R	10/14/2015	1.7	-	-	-
Vinyl chloride	MW 31R	4/20/2016	1.5	-	-	sampling frequency
Vinyl chloride	MW 31R	10/21/2016	3.4 / 3.4	-	-	-
Vinyl chloride	MW 31R	4/18/2017	2	-	-	sampling frequency
Vinyl chloride	MW 31R	10/10/2017	9	-	-	-
Vinyl chloride	MW 31R	4/11/2018	1.1	-	-	sampling frequency
Vinyl chloride	MW 31R	10/4/2018	2.4 / 2.1	-	-	-
Vinyl chloride	MW 31R	04/25/2019	5.7	-	-	-
Vinyl chloride	MW 31R	11/03/2020	3.5	-	-	-
Vinyl chloride	MW 31R	04/27/2022	6.7	-	-	-
Vinyl chloride	MW 31R	10/10/2023	1.7	-	-	-
Vinyl chloride	MW 37	1/18/2005	0.001 U/ 0.001 U	-	-	-
Vinyl chloride	MW 37	10/17/2007	0.001 U	-	-	-
Vinyl chloride	MW 37	6/27/2008	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 37	12/15/2009	0.001 U	-	-	-
Vinyl chloride	MW 37	10/28/2010	0.001 U	-	-	-
Vinyl chloride	MW 37	10/5/2011	0.001 U	-	-	-
Vinyl chloride	MW 37	10/15/2012	0.001 U/ 0.001 U	-	-	-
Vinyl chloride	MW 37	10/24/2013	0.001 U	-	-	-
Vinyl chloride	MW 37	10/23/2014	0.001 U	-	-	-
Vinyl chloride	MW 37	10/14/2015	0.001 U	-	-	-
Vinyl chloride	MW 37	10/21/2016	0.001 U	-	-	-
Vinyl chloride	MW 37	10/10/2017	0.001 U	-	-	-
Vinyl chloride	MW 37	10/4/2018	0.001 U	-	-	-
Vinyl chloride	MW 37	11/03/2020	0.001 U	-	-	-
Vinyl chloride	MW 37	04/27/2022	0.001 U	-	-	-
Vinyl chloride	MW 37	10/10/2023	0.001 U	-	-	-
Vinyl chloride	MW 40	1/18/2005	0.49	-	-	sampling frequency
Vinyl chloride	MW 40	10/18/2005	1.4	-	-	-
Vinyl chloride	MW 40	1/31/2006	0.76	-	-	sampling frequency
Vinyl chloride	MW 40	4/18/2006	0.43 J	-	-	sampling frequency
Vinyl chloride	MW 40	7/18/2006	1	-	-	sampling frequency
Vinyl chloride	MW 40	10/16/2006	0.84	-	-	-
Vinyl chloride	MW 40	1/23/2007	1.1	-	-	sampling frequency
Vinyl chloride	MW 40	4/17/2007	0.89	-	-	sampling frequency
Vinyl chloride	MW 40	7/10/2007	0.97	-	-	sampling frequency
Vinyl chloride	MW 40	10/17/2007	1.3	-	-	-
Vinyl chloride	MW 40	2/18/2008	2.1	-	-	sampling frequency
Vinyl chloride	MW 40	6/27/2008	1.2	-	-	sampling frequency
Vinyl chloride	MW 40	12/4/2008	1.5 / 1.7	-	-	-
Vinyl chloride	MW 40	4/30/2009	2.1	-	-	sampling frequency

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Vinyl chloride	MW 40	12/15/2009	2.1	-	-	-
Vinyl chloride	MW 40	10/28/2010	1.18	-	-	-
Vinyl chloride	MW 40	4/18/2011	0.99	-	-	sampling frequency
Vinyl chloride	MW 40	10/5/2011	0.99	-	-	-
Vinyl chloride	MW 40	5/15/2012	0.94	-	-	sampling frequency
Vinyl chloride	MW 40	10/15/2012	0.65	-	-	-
Vinyl chloride	MW 40	4/9/2013	0.99	-	-	sampling frequency
Vinyl chloride	MW 40	10/24/2013	1.2	-	-	-
Vinyl chloride	MW 40	4/15/2014	1.1	-	-	sampling frequency
Vinyl chloride	MW 40	10/23/2014	0.5	-	-	-
Vinyl chloride	MW 40	4/28/2015	0.43	-	-	sampling frequency
Vinyl chloride	MW 40	10/14/2015	0.44	-	-	-
Vinyl chloride	MW 40	4/20/2016	0.36	-	-	sampling frequency
Vinyl chloride	MW 40	10/21/2016	0.31	-	-	-
Vinyl chloride	MW 40	4/18/2017	0.26	-	-	sampling frequency
Vinyl chloride	MW 40	10/10/2017	0.17/0.18	-	-	-
Vinyl chloride	MW 40	4/11/2018	0.18 J	-	-	sampling frequency
Vinyl chloride	MW 40	10/4/2018	0.22	-	-	-
Vinyl chloride	MW 40	04/25/2019	0.24	-	-	-
Vinyl chloride	MW 40	11/03/2020	0.22	-	-	-
Vinyl chloride	MW 40	04/27/2022	0.28	-	-	-
Vinyl chloride	MW 40	10/10/2023	0.33	-	-	-
Vinyl chloride	MW 41	10/18/2005	0.14 J	-	-	-
Vinyl chloride	MW 41	1/31/2006	0.28 J	-	-	sampling frequency
Vinyl chloride	MW 41	4/18/2006	0.13 J/ 0.14 J	-	-	sampling frequency
Vinyl chloride	MW 41	7/18/2006	0.26 J	-	-	sampling frequency
Vinyl chloride	MW 41	10/16/2006	0.19 J	-	-	-
Vinyl chloride	MW 41	1/23/2007	0.23 J	-	-	sampling frequency
Vinyl chloride	MW 41	4/17/2007	0.29/ 0.27	-	-	sampling frequency
Vinyl chloride	MW 41	7/10/2007	0.33 J	-	-	sampling frequency
Vinyl chloride	MW 41	10/17/2007	0.4 J	-	-	-
Vinyl chloride	MW 41	2/18/2008	0.38 J	-	-	sampling frequency
Vinyl chloride	MW 41	6/27/2008	0.22 J	-	-	sampling frequency
Vinyl chloride	MW 41	12/4/2008	0.36 J	-	-	-
Vinyl chloride	MW 41	4/30/2009	0.4 J	-	-	sampling frequency
Vinyl chloride	MW 41	12/15/2009	0.39	-	-	-
Vinyl chloride	MW 41	10/28/2010	0.256	-	-	-
Vinyl chloride	MW 41	4/18/2011	0.3	-	-	sampling frequency
Vinyl chloride	MW 41	10/5/2011	0.51	-	-	-
Vinyl chloride	MW 41	5/15/2012	0.61	-	-	sampling frequency
Vinyl chloride	MW 41	10/15/2012	0.66	-	-	-
Vinyl chloride	MW 41	4/9/2013	0.61	-	-	sampling frequency
Vinyl chloride	MW 41	10/24/2013	0.55	-	-	-
Vinyl chloride	MW 41	4/15/2014	0.73	-	-	sampling frequency
Vinyl chloride	MW 41	10/23/2014	0.54 J	-	-	-
Vinyl chloride	MW 41	4/28/2015	0.46	-	-	sampling frequency
Vinyl chloride	MW 41	10/14/2015	0.39 / 0.39	-	-	-
Vinyl chloride	MW 41	4/20/2016	0.45	-	-	sampling frequency
Vinyl chloride	MW 41	10/21/2016	0.35	-	-	-
Vinyl chloride	MW 41	4/18/2017	0.44	-	-	sampling frequency
Vinyl chloride	MW 41	10/10/2017	0.38	-	-	-
Vinyl chloride	MW 41	4/11/2018	0.3 J	-	-	sampling frequency
Vinyl chloride	MW 41	10/4/2018	0.21 J	-	-	-

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Vinyl chloride	MW 41	04/25/2019	0.35/0.34	-	-	-
Vinyl chloride	MW 41	11/03/2020	0.24	-	-	-
Vinyl chloride	MW 41	04/27/2022	0.16	-	-	-
Vinyl chloride	MW 41	10/10/2023	0.27	-	-	-
Vinyl chloride	MW 42	10/18/2005	0.25 J	-	-	-
Vinyl chloride	MW 42	1/31/2006	0.15 J/ 0.18 J	-	-	sampling frequency
Vinyl chloride	MW 42	4/18/2006	0.089 J	-	-	sampling frequency
Vinyl chloride	MW 42	7/18/2006	0.13 J	-	-	sampling frequency
Vinyl chloride	MW 42	10/16/2006	0.084 J	-	-	-
Vinyl chloride	MW 42	1/23/2007	0.5 U/ 0.5 U	-	-	sampling frequency
Vinyl chloride	MW 42	4/17/2007	0.12	-	-	sampling frequency
Vinyl chloride	MW 42	7/10/2007	0.13 J	-	-	sampling frequency
Vinyl chloride	MW 42	10/17/2007	0.11 J	-	-	-
Vinyl chloride	MW 42	2/18/2008	0.13 J	-	-	sampling frequency
Vinyl chloride	MW 42	6/27/2008	0.13 J	-	-	sampling frequency
Vinyl chloride	MW 42	12/4/2008	0.18 J	-	-	-
Vinyl chloride	MW 42	4/30/2009	0.21 J	-	-	sampling frequency
Vinyl chloride	MW 42	12/15/2009	0.2 J	-	-	-
Vinyl chloride	MW 42	10/28/2010	0.128	-	-	-
Vinyl chloride	MW 42	4/18/2011	0.17	-	-	sampling frequency
Vinyl chloride	MW 42	10/5/2011	0.13 J	-	-	-
Vinyl chloride	MW 42	5/15/2012	0.11 J	-	-	sampling frequency
Vinyl chloride	MW 42	10/15/2012	0.1 J	-	-	-
Vinyl chloride	MW 42	4/9/2013	0.14 J	-	-	sampling frequency
Vinyl chloride	MW 42	10/24/2013	0.12 J	-	-	-
Vinyl chloride	MW 42	4/15/2014	0.18	-	-	sampling frequency
Vinyl chloride	MW 42	10/23/2014	0.12 J	-	-	-
Vinyl chloride	MW 42	4/28/2015	0.13 J	-	-	sampling frequency
Vinyl chloride	MW 42	10/14/2015	0.14 J	-	-	-
Vinyl chloride	MW 42	4/20/2016	0.092 J	-	-	sampling frequency
Vinyl chloride	MW 42	10/21/2016	0.1 J	-	-	-
Vinyl chloride	MW 42	4/18/2017	0.22	-	-	sampling frequency
Vinyl chloride	MW 42	10/10/2017	0.26	-	-	-
Vinyl chloride	MW 42	4/11/2018	0.11 J	-	-	sampling frequency
Vinyl chloride	MW 42	10/4/2018	0.2 U	-	high DL	-
Vinyl chloride	MW 42	04/25/2019	0.087J	-	-	-
Vinyl chloride	MW 42	11/03/2020	0.22	-	-	-
Vinyl chloride	MW 42	04/27/2022	0.052J	-	-	-
Vinyl chloride	MW 42	10/10/2023	0.06	-	-	-
Vinyl chloride	MW 46	1/18/2005	0.001 U	-	-	-
Vinyl chloride	MW 46	10/17/2007	0.001 U/ 0.001 U	-	-	-
Vinyl chloride	MW 46	6/27/2008	0.001 U	-	-	-
Vinyl chloride	MW 46	12/15/2009	0.001 U	-	-	-
Vinyl chloride	MW 46	10/28/2010	0.002 U	-	-	-
Vinyl chloride	MW 46	10/5/2011	0.001 U	-	-	-
Vinyl chloride	MW 46	10/15/2012	0.001 U	-	-	-
Vinyl chloride	MW 46	10/24/2013	0.001 U	-	-	-
Vinyl chloride	MW 46	10/23/2014	0.001 U	-	-	-
Vinyl chloride	MW 46	10/14/2015	0.001 U	-	-	-
Vinyl chloride	MW 46	10/21/2016	0.001 U	-	-	-
Vinyl chloride	MW 46	10/10/2017	0.001 U	-	-	-
Vinyl chloride	MW 46	10/4/2018	0.001 U	-	-	-
Vinyl chloride	MW 46	10/08/2019	0.001 U	-	-	-

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Vinyl chloride	MW 46	11/03/2020	0.001 U	-	-	-
Vinyl chloride	MW 46	04/27/2022	0.001 U	-	-	-
Vinyl chloride	MW 46	10/10/2023	0.001 U	-	-	-
Vinyl chloride	MW 49	1/18/2005	0.013	-	-	-
Vinyl chloride	MW 49	10/17/2007	0.085	-	-	-
Vinyl chloride	MW 49	2/18/2008	0.057	-	-	sampling frequency
Vinyl chloride	MW 49	6/27/2008	0.066	-	-	sampling frequency
Vinyl chloride	MW 49	12/4/2008	0.069	-	-	-
Vinyl chloride	MW 49	4/30/2009	0.045	-	-	sampling frequency
Vinyl chloride	MW 49	12/15/2009	0.07	-	-	-
Vinyl chloride	MW 49	10/28/2010	0.0465	-	-	-
Vinyl chloride	MW 49	4/18/2011	0.022	-	-	sampling frequency
Vinyl chloride	MW 49	10/5/2011	0.025	-	-	-
Vinyl chloride	MW 49	5/15/2012	0.025	-	-	sampling frequency
Vinyl chloride	MW 49	10/15/2012	0.03 J	-	-	-
Vinyl chloride	MW 49	4/9/2013	0.027 J	-	-	sampling frequency
Vinyl chloride	MW 49	10/24/2013	0.033	-	-	-
Vinyl chloride	MW 49	4/15/2014	0.013	-	-	sampling frequency
Vinyl chloride	MW 49	10/23/2014	0.013 J	-	-	-
Vinyl chloride	MW 49	4/28/2015	0.033 U	-	-	sampling frequency
Vinyl chloride	MW 49	10/14/2015	0.012 J	-	-	-
Vinyl chloride	MW 49	4/20/2016	0.011 J	-	-	-
Vinyl chloride	MW 49	4/11/2018	0.05 U	-	-	sampling frequency
Vinyl chloride	MW 49	10/4/2018	0.04 U	-	high DL	-
Vinyl chloride	MW 49	04/25/2019	0.033 U	-	-	sampling frequency
Vinyl chloride	MW 49	10/08/2019	0.05 U / 0.05 U	-	high DL	-
Vinyl chloride	MW 49	11/03/2020	0.033	-	-	-
Vinyl chloride	MW 49	04/27/2022	0.01U	-	high DL	-
Vinyl chloride	MW 49	10/10/2023	0.02 U	-	high DL	-
Vinyl chloride	MW 51	12/4/2008	0.017 U / 0.017 U	-	high DL	-
Vinyl chloride	MW 51	4/30/2009	0.011 U	-	-	sampling frequency
Vinyl chloride	MW 51	12/15/2009	0.0083 U	-	high DL	-
Vinyl chloride	MW 51	10/28/2010	0.001 U	-	high DL	-
Vinyl chloride	MW 51	4/18/2011	0.0067 U	-	-	sampling frequency
Vinyl chloride	MW 51	10/5/2011	0.0091 U	-	high DL	-
Vinyl chloride	MW 51	5/15/2012	0.0057 U	-	-	sampling frequency
Vinyl chloride	MW 51	10/15/2012	0.0067 U	-	high DL	-
Vinyl chloride	MW 51	4/9/2013	0.003 J	-	-	sampling frequency
Vinyl chloride	MW 51	10/24/2013	0.0029 J	-	-	-
Vinyl chloride	MW 51	4/15/2014	0.005 U	-	-	sampling frequency
Vinyl chloride	MW 51	10/23/2014	0.0041 J	-	-	-
Vinyl chloride	MW 51	4/28/2015	0.0026 J / 0.0024 J	-	-	sampling frequency
Vinyl chloride	MW 51	10/14/2015	0.0079	-	-	-
Vinyl chloride	MW 51	4/20/2016	0.0035 J	-	-	sampling frequency
Vinyl chloride	MW 51	10/21/2016	0.0053 J	-	-	-
Vinyl chloride	MW 51	4/18/2017	0.0041	-	-	sampling frequency
Vinyl chloride	MW 51	10/10/2017	0.0073	-	-	-
Vinyl chloride	MW 51	4/11/2018	0.0038 / 0.0046	-	-	sampling frequency
Vinyl chloride	MW 51	10/4/2018	0.0035 J	-	-	-
Vinyl chloride	MW 51	04/25/2019	0.0053J/0.0066	-	-	-
Vinyl chloride	MW 56	1/18/2005	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 56	10/18/2005	0.001 U	-	-	-
Vinyl chloride	MW 56	10/16/2006	0.001 U	-	-	-

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Vinyl chloride	MW 56	10/17/2007	0.001 U	-	-	-
Vinyl chloride	MW 56	6/27/2008	0.001 U	-	-	-
Vinyl chloride	MW 56	12/15/2009	0.001 U	-	-	-
Vinyl chloride	MW 56	10/28/2010	0.001 U	-	-	-
Vinyl chloride	MW 56	10/5/2011	0.001 U	-	-	-
Vinyl chloride	MW 56	10/15/2012	0.001 U	-	-	-
Vinyl chloride	MW 56	10/24/2013	0.001 U	-	-	-
Vinyl chloride	MW 56	10/23/2014	0.001 U/ 0.001 U	-	-	-
Vinyl chloride	MW 56	10/14/2015	0.001 U	-	-	-
Vinyl chloride	MW 56	10/21/2016	0.001 U	-	-	-
Vinyl chloride	MW 56	10/10/2017	0.001 U	-	-	-
Vinyl chloride	MW 56	10/4/2018	0.001 U	-	-	-
Vinyl chloride	MW 56	11/03/2020	0.00066J	-	-	-
Vinyl chloride	MW 56	04/27/2022	0.001 U	-	-	-
Vinyl chloride	MW 56	10/10/2023	0.001 U	-	-	-
Vinyl chloride	MW 57	1/18/2005	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 57	10/18/2005	0.001 U	-	-	detection frequency
Vinyl chloride	MW 57	2/1/2006	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 57	4/18/2006	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 57	7/18/2006	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 57	10/16/2006	0.00083 J	-	low J value	-
Vinyl chloride	MW 57	1/23/2007	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 57	4/17/2007	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 57	7/10/2007	0.00018 J	-	-	sampling frequency
Vinyl chloride	MW 57	10/17/2007	0.001 U	-	-	detection frequency
Vinyl chloride	MW 57	6/27/2008	0.001 U	-	-	detection frequency
Vinyl chloride	MW 57	12/15/2009	0.0016	-	-	-
Vinyl chloride	MW 57	10/28/2010	0.001 U/ 0.001 U	-	-	detection frequency
Vinyl chloride	MW 57	10/5/2011	0.001 U	-	-	detection frequency
Vinyl chloride	MW 57	10/15/2012	0.0042	-	-	-
Vinyl chloride	MW 57	10/24/2013	0.0062	-	-	-
Vinyl chloride	MW 57	10/23/2014	0.013	-	-	-
Vinyl chloride	MW 57	10/14/2015	0.0037	-	-	-
Vinyl chloride	MW 57	10/21/2016	0.046	-	-	-
Vinyl chloride	MW 57	10/10/2017	0.096	-	-	-
Vinyl chloride	MW 57	10/4/2018	0.02	-	-	-
Vinyl chloride	MW 57	11/03/2020	0.98	-	-	-
Vinyl chloride	MW 57	04/27/2022	0.73	-	-	-
Vinyl chloride	MW 57	10/10/2023	1.3	-	-	-
Vinyl chloride	MW 58	1/18/2005	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 58	10/18/2005	0.001 U	-	-	-
Vinyl chloride	MW 58	10/16/2006	0.0013	-	-	-
Vinyl chloride	MW 58	10/17/2007	0.011	-	-	-
Vinyl chloride	MW 58	2/18/2008	0.016	-	-	sampling frequency
Vinyl chloride	MW 58	6/27/2008	0.026	-	-	-
Vinyl chloride	MW 58	12/15/2009	0.11	-	-	-
Vinyl chloride	MW 58	10/28/2010	0.158	-	-	-
Vinyl chloride	MW 58	10/5/2011	0.12	-	-	-
Vinyl chloride	MW 58	10/15/2012	0.14 / 0.15	-	-	-
Vinyl chloride	MW 58	10/24/2013	0.11	-	-	-
Vinyl chloride	MW 58	10/23/2014	0.098	-	-	-
Vinyl chloride	MW 58	10/14/2015	0.15 / 0.16	-	-	-
Vinyl chloride	MW 58	10/21/2016	0.085	-	-	-

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Vinyl chloride	MW 58	10/10/2017	0.059	-	-	-
Vinyl chloride	MW 58	10/4/2018	0.064 J	-	-	-
Vinyl chloride	MW 58	11/03/2020	0.13J/0.12J	-	-	-
Vinyl chloride	MW 58	04/27/2022	0.034J	-	-	-
Vinyl chloride	MW 58	10/10/2023	0.14/0.14	-	-	-
Vinyl chloride	MW 61	1/18/2005	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 61	6/27/2008	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 61	12/15/2009	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 61	10/28/2010	0.002 U/ 0.002 U	-	-	sampling frequency
Vinyl chloride	MW 61	10/5/2011	0.00029 J	-	-	-
Vinyl chloride	MW 61	10/15/2012	0.001 U	-	high DL	-
Vinyl chloride	MW 61	10/24/2013	0.001 U	-	high DL	-
Vinyl chloride	MW 61	10/23/2014	0.00042 J	-	-	-
Vinyl chloride	MW 61	10/14/2015	0.00068 J	-	-	-
Vinyl chloride	MW 61	10/21/2016	0.00069 J	-	-	-
Vinyl chloride	MW 61	10/10/2017	0.001 U	-	high DL	-
Vinyl chloride	MW 61	10/4/2018	0.0013	-	-	-
Vinyl chloride	MW 61	11/03/2020	0.00077J/0.0011	-	-	-
Vinyl chloride	MW 61	04/27/2022	0.00062J	-	-	-
Vinyl chloride	MW 61	10/10/2023	0.0035/0.0033	-	-	-
Vinyl chloride	MW 64	1/18/2005	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 64	10/18/2005	0.0015	-	-	-
Vinyl chloride	MW 64	10/16/2006	0.0013	-	-	-
Vinyl chloride	MW 64	10/17/2007	0.009	-	-	-
Vinyl chloride	MW 64	2/18/2008	0.005/ 0.0054	-	-	sampling frequency
Vinyl chloride	MW 64	6/27/2008	0.0011	-	-	-
Vinyl chloride	MW 64	12/15/2009	0.013 / 0.01	-	-	-
Vinyl chloride	MW 64	10/28/2010	0.016	-	-	-
Vinyl chloride	MW 64	10/5/2011	0.032	-	-	-
Vinyl chloride	MW 64	10/15/2012	0.027 / 0.027	-	-	-
Vinyl chloride	MW 64	10/24/2013	0.045	-	-	-
Vinyl chloride	MW 64	10/23/2014	0.033	-	-	-
Vinyl chloride	MW 64	10/14/2015	0.03	-	-	-
Vinyl chloride	MW 64	10/21/2016	0.039	-	-	-
Vinyl chloride	MW 64	10/10/2017	0.049	-	-	-
Vinyl chloride	MW 64	10/4/2018	0.083 / 0.089	-	-	-
Vinyl chloride	MW 64	11/03/2020	0.042/0.042	-	-	-
Vinyl chloride	MW 64	04/27/2022	0.054	-	-	-
Vinyl chloride	MW 64	10/10/2023	0.0037	-	-	-
Vinyl chloride	MW 65	1/18/2005	0.54	-	-	-
Vinyl chloride	MW 65	10/17/2007	0.68	-	-	-
Vinyl chloride	MW 65	2/18/2008	0.77	-	-	sampling frequency
Vinyl chloride	MW 65	6/27/2008	1.2 J	-	-	sampling frequency
Vinyl chloride	MW 65	12/4/2008	0.54	-	-	-
Vinyl chloride	MW 65	4/30/2009	0.69	-	-	sampling frequency
Vinyl chloride	MW 65	12/15/2009	0.67	-	-	-
Vinyl chloride	MW 65	10/28/2010	0.05 U	-	high DL	-
Vinyl chloride	MW 65	10/5/2011	0.04 U	-	high DL	-
Vinyl chloride	MW 65	10/15/2012	0.014 U	-	high DL	-
Vinyl chloride	MW 65	10/24/2013	0.0025 J	-	-	-
Vinyl chloride	MW 65	10/23/2014	0.00093 J / 0.0016 J	-	-	-
Vinyl chloride	MW 65	10/14/2015	0.0012 J	-	-	-
Vinyl chloride	MW 65	10/21/2016	0.0014	-	-	-

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Vinyl chloride	MW 65	10/10/2017	0.00074 J	-	-	-
Vinyl chloride	MW 65	10/4/2018	0.00074 J	-	-	-
Vinyl chloride	MW 65	11/03/2020	0.00049J	-	-	-
Vinyl chloride	MW 65	04/27/2022	0.001 U	-	high DL	-
Vinyl chloride	MW 65	10/10/2023	0.0007 J	-	-	-
Vinyl chloride	MW 66	1/18/2005	0.0031/ 0.003	-	-	sampling frequency
Vinyl chloride	MW 66	10/18/2005	0.0067	-	-	-
Vinyl chloride	MW 66	10/16/2006	0.014	-	-	-
Vinyl chloride	MW 66	10/17/2007	0.015 / 0.015	-	-	-
Vinyl chloride	MW 66	2/18/2008	0.02	-	-	sampling frequency
Vinyl chloride	MW 66	6/27/2008	0.02	-	-	sampling frequency
Vinyl chloride	MW 66	12/4/2008	0.0071	-	-	-
Vinyl chloride	MW 66	4/30/2009	0.027/ 0.027	-	-	sampling frequency
Vinyl chloride	MW 66	12/15/2009	0.023	-	-	-
Vinyl chloride	MW 66	10/28/2010	0.027	-	-	-
Vinyl chloride	MW 66	4/18/2011	0.046/ 0.045	-	-	sampling frequency
Vinyl chloride	MW 66	10/5/2011	0.14	-	-	-
Vinyl chloride	MW 66	5/15/2012	0.25	-	-	sampling frequency
Vinyl chloride	MW 66	10/15/2012	0.25	-	-	-
Vinyl chloride	MW 66	4/9/2013	0.3	-	-	sampling frequency
Vinyl chloride	MW 66	10/24/2013	0.16	-	-	-
Vinyl chloride	MW 66	4/15/2014	0.33	-	-	sampling frequency
Vinyl chloride	MW 66	10/23/2014	0.15	-	-	-
Vinyl chloride	MW 66	4/28/2015	0.11	-	-	sampling frequency
Vinyl chloride	MW 66	10/14/2015	0.13	-	-	-
Vinyl chloride	MW 66	4/20/2016	0.14	-	-	sampling frequency
Vinyl chloride	MW 66	10/21/2016	0.14	-	-	-
Vinyl chloride	MW 66	4/18/2017	0.11	-	-	sampling frequency
Vinyl chloride	MW 66	10/10/2017	0.075	-	-	-
Vinyl chloride	MW 66	4/11/2018	0.2 U	-	-	sampling frequency
Vinyl chloride	MW 66	10/4/2018	0.2 U	-	high DL	-
Vinyl chloride	MW 66	04/25/2019	0.036J	-	-	-
Vinyl chloride	MW 66	11/03/2020	0.018	-	-	-
Vinyl chloride	MW 66	04/27/2022	0.1 U	-	high DL	-
Vinyl chloride	MW 66	10/10/2023	0.040 U / 0.040 U	-	high DL	-
Vinyl chloride	MW 68	1/18/2005	0.16	-	-	sampling frequency
Vinyl chloride	MW 68	10/18/2005	0.36 J / 0.35 J	-	-	-
Vinyl chloride	MW 68	1/31/2006	0.23 J	-	-	sampling frequency
Vinyl chloride	MW 68	4/18/2006	0.19 J	-	-	sampling frequency
Vinyl chloride	MW 68	7/18/2006	0.16 J	-	-	sampling frequency
Vinyl chloride	MW 68	10/16/2006	0.14 J	-	-	-
Vinyl chloride	MW 68	1/23/2007	0.14 J	-	-	sampling frequency
Vinyl chloride	MW 68	4/17/2007	0.26	-	-	sampling frequency
Vinyl chloride	MW 68	7/10/2007	0.33 J	-	-	sampling frequency
Vinyl chloride	MW 68	10/17/2007	0.43 J	-	-	-
Vinyl chloride	MW 68	2/18/2008	0.26	-	-	sampling frequency
Vinyl chloride	MW 68	6/27/2008	0.34 J	-	-	sampling frequency
Vinyl chloride	MW 68	12/4/2008	0.24 J	-	-	-
Vinyl chloride	MW 68	4/30/2009	0.33 J	-	-	sampling frequency
Vinyl chloride	MW 68	12/15/2009	0.23 J / 0.22 J	-	-	-
Vinyl chloride	MW 68	10/28/2010	0.181	-	-	-
Vinyl chloride	MW 68	4/18/2011	0.097 J	-	-	sampling frequency
Vinyl chloride	MW 68	10/5/2011	0.16 J / 0.16 J	-	-	-

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Vinyl chloride	MW 68	5/15/2012	0.25	-	-	sampling frequency
Vinyl chloride	MW 68	10/15/2012	0.24	-	-	-
Vinyl chloride	MW 68	4/9/2013	0.19 J/ 0.21 J	-	-	sampling frequency
Vinyl chloride	MW 68	10/24/2013	0.24 J / 0.3 / 0.3	-	-	-
Vinyl chloride	MW 68	4/15/2014	0.24	-	-	sampling frequency
Vinyl chloride	MW 68	10/23/2014	0.15 J	-	-	-
Vinyl chloride	MW 68	4/28/2015	0.18 J/ 0.17 J	-	-	sampling frequency
Vinyl chloride	MW 68	10/14/2015	0.16 J / 0.12 J	-	-	-
Vinyl chloride	MW 68	4/20/2016	0.15 J	-	-	sampling frequency
Vinyl chloride	MW 68	10/21/2016	0.15 J	-	-	-
Vinyl chloride	MW 68	4/18/2017	0.13	-	-	sampling frequency
Vinyl chloride	MW 68	10/10/2017	0.16	-	-	-
Vinyl chloride	MW 68	4/11/2018	0.099 J	-	-	sampling frequency
Vinyl chloride	MW 68	10/4/2018	0.11 J	-	-	-
Vinyl chloride	MW 68	04/25/2019	0.16J	-	-	-
Vinyl chloride	MW 68	11/03/2020	0.22/0.23	-	-	-
Vinyl chloride	MW 68	04/27/2022	0.11	-	-	-
Vinyl chloride	MW 68	10/10/2023	0.12 J	-	-	-
Vinyl chloride	MW 75	1/18/2005	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 75	10/18/2005	0.001 U	-	-	-
Vinyl chloride	MW 75	10/16/2006	0.001 U	-	-	-
Vinyl chloride	MW 75	10/17/2007	0.001 U	-	-	-
Vinyl chloride	MW 75	6/27/2008	0.001 U	-	-	-
Vinyl chloride	MW 75	10/28/2010	0.001 U	-	-	-
Vinyl chloride	MW 75	10/5/2011	0.001 U	-	-	-
Vinyl chloride	MW 75	10/15/2012	0.001 U	-	-	-
Vinyl chloride	MW 75	10/24/2013	0.001 U	-	-	-
Vinyl chloride	MW 75	10/23/2014	0.001 U	-	-	-
Vinyl chloride	MW 75	10/21/2016	0.001 U	-	-	-
Vinyl chloride	MW 75	10/10/2017	0.001 U	-	-	-
Vinyl chloride	MW 75	10/4/2018	0.001 U	-	-	-
Vinyl chloride	MW 75	11/03/2020	0.001 U	-	-	-
Vinyl chloride	MW 75	04/27/2022	0.001 U	-	-	-
Vinyl chloride	MW 75	10/10/2023	0.001 U	-	-	-
Vinyl chloride	MW 76/MW 76R-17	1/18/2005	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 76/MW 76R-17	10/18/2005	0.001 U	-	-	-
Vinyl chloride	MW 76/MW 76R-17	10/16/2006	0.001 U	-	-	-
Vinyl chloride	MW 76/MW 76R-17	10/17/2007	0.001 U	-	-	-
Vinyl chloride	MW 76/MW 76R-17	10/28/2010	0.001 U	-	-	-
Vinyl chloride	MW 76/MW 76R-17	10/5/2011	0.001 U/ 0.001 U	-	-	-
Vinyl chloride	MW 76/MW 76R-17	10/15/2012	0.001 U	-	-	-
Vinyl chloride	MW 76/MW 76R-17	10/24/2013	0.00048 J / 0.00046 J	-	-	-
Vinyl chloride	MW 76/MW 76R-17	10/23/2014	0.00051 J	-	-	-
Vinyl chloride	MW 76/MW 76R-17	10/10/2017	0.001 U	-	-	-
Vinyl chloride	MW 76/MW 76R-17	10/4/2018	0.001 U	-	-	-
Vinyl chloride	MW 76/MW 76R-17	11/03/2020	0.0016	-	-	-
Vinyl chloride	MW 76/MW 76R-17	10/10/2023	0.001 U	-	-	-
Vinyl chloride	MW 79	1/18/2005	0.24	-	-	-
Vinyl chloride	MW 79	10/17/2007	0.33	-	-	-
Vinyl chloride	MW 79	12/4/2008	0.2	-	-	-
Vinyl chloride	MW 79	4/30/2009	0.22	-	-	sampling frequency
Vinyl chloride	MW 79	12/15/2009	0.27	-	-	-
Vinyl chloride	MW 79	10/28/2010	0.185	-	-	-

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Vinyl chloride	MW 79	4/18/2011	0.13	-	-	sampling frequency
Vinyl chloride	MW 79	10/5/2011	0.14	-	-	-
Vinyl chloride	MW 79	5/15/2012	0.12	-	-	sampling frequency
Vinyl chloride	MW 79	10/15/2012	0.15 / 0.14	-	-	-
Vinyl chloride	MW 79	4/9/2013	0.15	-	-	sampling frequency
Vinyl chloride	MW 79	10/24/2013	0.16	-	-	-
Vinyl chloride	MW 79	4/15/2014	0.22	-	-	sampling frequency
Vinyl chloride	MW 79	10/23/2014	0.15 / 0.15	-	-	-
Vinyl chloride	MW 79	4/28/2015	0.15	-	-	sampling frequency
Vinyl chloride	MW 79	10/14/2015	0.13	-	-	-
Vinyl chloride	MW 79	4/20/2016	0.18	-	-	sampling frequency
Vinyl chloride	MW 79	10/21/2016	0.15	-	-	-
Vinyl chloride	MW 79	4/18/2017	0.19/0.19	-	-	sampling frequency
Vinyl chloride	MW 79	10/10/2017	0.2	-	-	-
Vinyl chloride	MW 79	4/11/2018	0.31	-	-	sampling frequency
Vinyl chloride	MW 79	10/4/2018	0.31	-	-	-
Vinyl chloride	MW 79	04/25/2019	0.6	-	-	-
Vinyl chloride	MW 79	11/03/2020	0.44	-	-	-
Vinyl chloride	MW 79	04/27/2022	0.41	-	-	-
Vinyl chloride	MW 79	10/10/2023	0.36	-	-	-
Vinyl chloride	MW 80	3/9/2005	0.11/ 0.12	-	-	sampling frequency
Vinyl chloride	MW 80	10/18/2005	0.15	-	-	-
Vinyl chloride	MW 80	10/16/2006	0.033	-	-	-
Vinyl chloride	MW 80	10/17/2007	0.042	-	-	-
Vinyl chloride	MW 80	6/27/2008	0.093 J / 0.068 J	-	-	-
Vinyl chloride	MW 80	12/15/2009	0.069	-	-	-
Vinyl chloride	MW 80	10/28/2010	0.0134	-	-	-
Vinyl chloride	MW 80	10/5/2011	0.015	-	-	-
Vinyl chloride	MW 80	10/15/2012	0.025	-	-	-
Vinyl chloride	MW 80	10/24/2013	0.045	-	-	-
Vinyl chloride	MW 80	10/23/2014	0.036	-	-	-
Vinyl chloride	MW 80	10/14/2015	0.04	-	-	-
Vinyl chloride	MW 80	10/21/2016	0.049	-	-	-
Vinyl chloride	MW 80	10/10/2017	0.041	-	-	-
Vinyl chloride	MW 80	10/4/2018	0.051	-	-	-
Vinyl chloride	MW 80	11/03/2020	0.063	-	-	-
Vinyl chloride	MW 80	04/27/2022	0.15/0.16	-	-	-
Vinyl chloride	MW 80	10/10/2023	0.11	-	-	-
Vinyl chloride	MW 81	3/9/2005	0.0034/ 0.004 J	-	-	sampling frequency
Vinyl chloride	MW 81	10/18/2005	0.0058	-	-	-
Vinyl chloride	MW 81	10/16/2006	0.0062 / 0.0062	-	-	-
Vinyl chloride	MW 81	10/17/2007	0.0092	-	-	-
Vinyl chloride	MW 81	2/18/2008	0.013	-	-	sampling frequency
Vinyl chloride	MW 81	6/27/2008	0.016	-	-	-
Vinyl chloride	MW 81	12/15/2009	0.026	-	-	-
Vinyl chloride	MW 81	10/28/2010	0.0268	-	-	-
Vinyl chloride	MW 81	10/5/2011	0.05	-	-	-
Vinyl chloride	MW 81	10/15/2012	0.051	-	-	-
Vinyl chloride	MW 81	10/24/2013	0.066	-	-	-
Vinyl chloride	MW 81	10/23/2014	0.041	-	-	-
Vinyl chloride	MW 81	10/14/2015	0.062	-	-	-
Vinyl chloride	MW 81	10/21/2016	0.026	-	-	-
Vinyl chloride	MW 81	10/10/2017	0.042	-	-	-

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Vinyl chloride	MW 81	10/4/2018	0.027	-	-	-
Vinyl chloride	MW 81	11/03/2020	0.037	-	-	-
Vinyl chloride	MW 81	04/27/2022	0.039	-	-	-
Vinyl chloride	MW 81	10/10/2023	0.056	-	-	-
Vinyl chloride	MW 82	3/9/2005	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 82	10/18/2005	0.001 U	-	-	-
Vinyl chloride	MW 82	10/16/2006	0.001 U	-	-	-
Vinyl chloride	MW 82	10/17/2007	0.001 U	-	-	-
Vinyl chloride	MW 82	6/27/2008	0.001 U	-	-	-
Vinyl chloride	MW 82	12/15/2009	0.001 U	-	-	-
Vinyl chloride	MW 82	10/28/2010	0.001 U	-	-	-
Vinyl chloride	MW 82	10/5/2011	0.001 U	-	-	-
Vinyl chloride	MW 82	10/24/2013	0.001 U	-	-	-
Vinyl chloride	MW 82	10/23/2014	0.001 U	-	-	-
Vinyl chloride	MW 82	10/14/2015	0.001 U	-	-	-
Vinyl chloride	MW 82	10/21/2016	0.001 U	-	-	-
Vinyl chloride	MW 82	10/10/2017	0.001 U/ 0.001 U	-	-	-
Vinyl chloride	MW 82	10/4/2018	0.001 U/ 0.001 U	-	-	-
Vinyl chloride	MW 82	11/03/2020	0.001 U	-	-	-
Vinyl chloride	MW 82	04/27/2022	0.001 U	-	-	-
Vinyl chloride	MW 82	10/10/2023	0.001 U	-	-	-
Vinyl chloride	MW 83	3/9/2005	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 83	10/18/2005	0.001 U	-	high DL	-
Vinyl chloride	MW 83	10/16/2006	0.001 U	-	high DL	-
Vinyl chloride	MW 83	10/17/2007	0.001 U	-	high DL	-
Vinyl chloride	MW 83	6/27/2008	0.001 U	-	high DL	-
Vinyl chloride	MW 83	12/15/2009	0.001 U	-	high DL	-
Vinyl chloride	MW 83	10/28/2010	0.002 U	-	high DL	-
Vinyl chloride	MW 83	10/5/2011	0.0003 J	-	-	-
Vinyl chloride	MW 83	10/15/2012	0.00045 J	-	-	-
Vinyl chloride	MW 83	10/24/2013	0.0015	-	-	-
Vinyl chloride	MW 83	10/23/2014	0.0015	-	-	-
Vinyl chloride	MW 83	10/14/2015	0.0037	-	-	-
Vinyl chloride	MW 83	10/21/2016	0.0053 / 0.0053	-	-	-
Vinyl chloride	MW 83	10/10/2017	0.0076	-	-	-
Vinyl chloride	MW 83	10/4/2018	0.012	-	-	-
Vinyl chloride	MW 83	11/03/2020	0.015	-	-	-
Vinyl chloride	MW 83	04/27/2022	0.017	-	-	-
Vinyl chloride	MW 83	10/10/2023	0.034	-	-	-
Vinyl chloride	MW 84	10/18/2005	0.001 U	-	-	-
Vinyl chloride	MW 84	4/9/2013	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 84	10/24/2013	0.001 U	-	-	-
Vinyl chloride	MW 84	4/15/2014	0.001 U	-	-	-
Vinyl chloride	MW 84	10/14/2015	0.001 U	-	-	-
Vinyl chloride	MW 84	10/21/2016	0.001 U	-	-	-
Vinyl chloride	MW 84	10/10/2017	0.001 U	-	-	-
Vinyl chloride	MW 84	10/4/2018	0.001 U	-	-	-
Vinyl chloride	MW 84	10/08/2019	0.001 U	-	-	-
Vinyl chloride	MW 84	11/03/2020	0.001 U	-	-	-
Vinyl chloride	MW 84	04/27/2022	0.001 U	-	-	-
Vinyl chloride	MW 84	10/10/2023	0.001 U	-	-	-
Vinyl chloride	MW 85	2/18/2008	0.36	-	-	sampling frequency
Vinyl chloride	MW 85	6/27/2008	0.25	-	-	sampling frequency

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Vinyl chloride	MW 85	12/4/2008	0.5	-	-	-
Vinyl chloride	MW 85	4/30/2009	0.48	-	-	sampling frequency
Vinyl chloride	MW 85	12/15/2009	0.76	-	-	-
Vinyl chloride	MW 85	10/28/2010	0.808	-	-	-
Vinyl chloride	MW 85	4/18/2011	0.45	-	-	sampling frequency
Vinyl chloride	MW 85	10/5/2011	0.51	-	-	-
Vinyl chloride	MW 85	5/15/2012	0.59	-	-	sampling frequency
Vinyl chloride	MW 85	10/15/2012	0.77	-	-	-
Vinyl chloride	MW 85	4/9/2013	0.69	-	-	sampling frequency
Vinyl chloride	MW 85	10/24/2013	0.64	-	-	-
Vinyl chloride	MW 85	4/15/2014	0.84	-	-	sampling frequency
Vinyl chloride	MW 85	10/23/2014	0.6	-	-	-
Vinyl chloride	MW 85	4/28/2015	0.37 J	-	-	sampling frequency
Vinyl chloride	MW 85	10/14/2015	0.44	-	-	-
Vinyl chloride	MW 85	4/20/2016	0.34 J/ 0.35 J	-	-	sampling frequency
Vinyl chloride	MW 85	10/21/2016	0.42 J	-	-	-
Vinyl chloride	MW 85	4/18/2017	0.42	-	-	sampling frequency
Vinyl chloride	MW 85	10/10/2017	0.45	-	-	-
Vinyl chloride	MW 85	4/11/2018	0.35 J	-	-	sampling frequency
Vinyl chloride	MW 85	10/4/2018	0.68	-	-	-
Vinyl chloride	MW 85	04/25/2019	0.32	-	-	-
Vinyl chloride	MW 85	11/03/2020	0.56	-	-	-
Vinyl chloride	MW 85	04/27/2022	0.25	-	-	-
Vinyl chloride	MW 85	10/10/2023	0.32	-	-	-
Vinyl chloride	MW 86	10/28/2010	0.001 U/ 0.002 U	-	-	-
Vinyl chloride	MW 86	10/5/2011	0.001 U	-	-	-
Vinyl chloride	MW 86	10/15/2012	0.001 U	-	-	-
Vinyl chloride	MW 86	10/24/2013	0.001 U	-	-	-
Vinyl chloride	MW 86	10/23/2014	0.001 U	-	-	-
Vinyl chloride	MW 86	10/14/2015	0.001 U	-	-	-
Vinyl chloride	MW 86	10/21/2016	0.001 U	-	-	-
Vinyl chloride	MW 86	10/10/2017	0.001 U	-	-	-
Vinyl chloride	MW 86	10/4/2018	0.001 U	-	-	-
Vinyl chloride	MW 86	11/03/2020	0.001 U	-	-	-
Vinyl chloride	MW 86	04/27/2022	0.001 U	-	-	-
Vinyl chloride	MW 86	10/10/2023	0.001 U	-	-	-
Vinyl chloride	MW 88	10/28/2010	0.002 U	-	high DL	-
Vinyl chloride	MW 88	10/5/2011	0.001 U	-	high DL	-
Vinyl chloride	MW 88	10/15/2012	0.001 U	-	high DL	-
Vinyl chloride	MW 88	10/24/2013	0.001 U	-	high DL	-
Vinyl chloride	MW 88	10/23/2014	0.00034 J	-	-	-
Vinyl chloride	MW 88	10/14/2015	0.001 / 0.00098 J	-	-	-
Vinyl chloride	MW 88	10/21/2016	0.0019 / 0.0018	-	-	-
Vinyl chloride	MW 88	10/10/2017	0.0023	-	-	-
Vinyl chloride	MW 88	10/4/2018	0.0024 / 0.0023	-	-	-
Vinyl chloride	MW 88	11/03/2020	0.0061	-	-	-
Vinyl chloride	MW 88	04/27/2022	0.0067	-	-	-
Vinyl chloride	MW 88	10/10/2023	0.0094	-	-	-
Vinyl chloride	MW 89-11	12/8/2011	0.001 U/ 0.001 U	-	-	-
Vinyl chloride	MW 89-11	10/15/2012	0.001 U	-	-	-
Vinyl chloride	MW 89-11	4/9/2013	0.001 U/ 0.001 U	-	-	sampling frequency
Vinyl chloride	MW 89-11	10/24/2013	0.001 U	-	-	-
Vinyl chloride	MW 89-11	4/15/2014	0.001 U	-	-	sampling frequency

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Vinyl chloride	MW 89-11	10/23/2014	0.001 U	-	-	-
Vinyl chloride	MW 89-11	4/28/2015	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 89-11	10/14/2015	0.001 U	-	-	-
Vinyl chloride	MW 89-11	4/20/2016	0.001 U/ 0.001 U	-	-	sampling frequency
Vinyl chloride	MW 89-11	10/21/2016	0.001 U/ 0.001 U	-	-	-
Vinyl chloride	MW 89-11	4/18/2017	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 89-11	10/10/2017	0.001 U	-	-	-
Vinyl chloride	MW 89-11	4/11/2018	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 89-11	10/4/2018	0.001 U	-	-	-
Vinyl chloride	MW 89-11	04/25/2019	0.001 U	-	-	-
Vinyl chloride	MW 89-11	11/03/2020	0.001 U	-	-	-
Vinyl chloride	MW 89-11	04/27/2022	0.001 U	-	-	-
Vinyl chloride	MW 89-11	10/10/2023	0.001 U	-	-	-
Vinyl chloride	MW97R-16	10/21/2016	0.001 U	-	-	-
Vinyl chloride	MW97R-16	10/10/2017	0.001 U	-	-	-
Vinyl chloride	MW97R-16	10/4/2018	0.001 U	-	-	-
Vinyl chloride	MW97R-16	11/03/2020	0.001 U	-	-	-
Vinyl chloride	MW97R-16	04/27/2022	0.001 U	-	-	-
Vinyl chloride	MW97R-16	10/10/2023	0.001 U	-	-	-
Vinyl chloride	Pond Intake	1/18/2005	0.0056	-	-	sampling frequency
Vinyl chloride	Pond Intake	4/19/2005	0.001 U	-	-	sampling frequency
Vinyl chloride	Pond Intake	10/18/2005	0.001 U	-	high DL	-
Vinyl chloride	Pond Intake	2/1/2006	0.001 U	-	-	sampling frequency
Vinyl chloride	Pond Intake	4/18/2006	0.001 U	-	-	sampling frequency
Vinyl chloride	Pond Intake	7/18/2006	0.001 U	-	-	sampling frequency
Vinyl chloride	Pond Intake	10/16/2006	0.001 U	-	high DL	-
Vinyl chloride	Pond Intake	1/23/2007	0.006	-	-	sampling frequency
Vinyl chloride	Pond Intake	4/17/2007	0.00038 J	-	-	sampling frequency
Vinyl chloride	Pond Intake	5/9/2007	0.00047 J	-	-	sampling frequency
Vinyl chloride	Pond Intake	6/18/2007	0.00052 J	-	-	sampling frequency
Vinyl chloride	Pond Intake	7/10/2007	0.001 U	-	-	sampling frequency
Vinyl chloride	Pond Intake	8/15/2007	0.0004 J	-	-	sampling frequency
Vinyl chloride	Pond Intake	9/27/2007	0.00029 J	-	-	sampling frequency
Vinyl chloride	Pond Intake	10/17/2007	0.001 U	-	high DL	-
Vinyl chloride	Pond Intake	11/9/2007	0.001 U	-	-	sampling frequency
Vinyl chloride	Pond Intake	12/4/2007	0.001 U	-	-	sampling frequency
Vinyl chloride	Pond Intake	2/18/2008	0.0022	-	-	sampling frequency
Vinyl chloride	Pond Intake	6/27/2008	0.0031	-	-	sampling frequency
Vinyl chloride	Pond Intake	9/23/2008	0.001 U	-	high DL	-
Vinyl chloride	Pond Intake	12/4/2008	0.001 U	-	-	sampling frequency
Vinyl chloride	Pond Intake	4/30/2009	0.0031/ 0.0012/ 0.0013	-	-	sampling frequency
Vinyl chloride	Pond Intake	7/30/2009	0.0017/ 0.0017	-	-	sampling frequency
Vinyl chloride	Pond Intake	12/15/2009	0.0015	-	-	-
Vinyl chloride	Pond Intake	8/4/2010	0.0049	-	-	sampling frequency
Vinyl chloride	Pond Intake	10/28/2010	0.001 U	-	-	-
Vinyl chloride	Pond Intake	4/18/2011	0.0019	-	-	sampling frequency
Vinyl chloride	Pond Intake	7/28/2011	0.0042	-	-	sampling frequency
Vinyl chloride	Pond Intake	10/5/2011	0.0021 / 0.0022	-	-	-
Vinyl chloride	Pond Intake	5/15/2012	0.0038	-	-	sampling frequency
Vinyl chloride	Pond Intake	8/2/2012	0.0048	-	-	sampling frequency
Vinyl chloride	Pond Intake	10/15/2012	0.00067 J	-	-	-
Vinyl chloride	Pond Intake	4/9/2013	0.0046	-	-	sampling frequency
Vinyl chloride	Pond Intake	7/17/2013	0.0048	-	-	sampling frequency

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Vinyl chloride	Pond Intake	10/24/2013	0.0022	-	-	-
Vinyl chloride	Pond Intake	4/15/2014	0.0069	-	-	sampling frequency
Vinyl chloride	Pond Intake	7/17/2014	0.0048/ 0.0049	-	-	sampling frequency
Vinyl chloride	Pond Intake	10/23/2014	0.0039	-	-	-
Vinyl chloride	Pond Intake	4/28/2015	0.0053	-	-	sampling frequency
Vinyl chloride	Pond Intake	7/10/2015	0.008/ 0.0079	-	-	sampling frequency
Vinyl chloride	Pond Intake	10/14/2015	0.0065	-	-	-
Vinyl chloride	Pond Intake	4/20/2016	0.0044	-	-	sampling frequency
Vinyl chloride	Pond Intake	7/19/2016	0.0049	-	-	sampling frequency
Vinyl chloride	Pond Intake	10/21/2016	0.0031 / 0.0029	-	-	-
Vinyl chloride	Pond Intake	4/18/2017	0.0063	-	-	sampling frequency
Vinyl chloride	Pond Intake	7/12/2017	0.0051	-	-	sampling frequency
Vinyl chloride	Pond Intake	10/10/2017	0.0048	-	-	-
Vinyl chloride	Pond Intake	4/11/2018	0.013	-	-	sampling frequency
Vinyl chloride	Pond Intake	7/5/2018	0.0076 / 0.0073	-	-	sampling frequency
Vinyl chloride	Pond Intake	10/4/2018	0.005	-	-	-
Vinyl chloride	Pond Intake	04/25/2019	0.0089 / 0.0086	-	-	sampling frequency
Vinyl chloride	Pond Intake	10/08/2019	0.0039	-	-	-
Vinyl chloride	Pond Intake	11/03/2020	0.0039	-	-	-
Vinyl chloride	Pond Intake	04/27/2022	0.0061	-	-	-
Vinyl chloride	Pond Intake	10/10/2023	0.0025 J	-	-	-
Vinyl chloride	Pond North	1/18/2005	0.013	-	-	sampling frequency
Vinyl chloride	Pond North	4/19/2005	0.001 U	-	-	sampling frequency
Vinyl chloride	Pond North	10/18/2005	0.001 U	-	-	-
Vinyl chloride	Pond North	2/1/2006	0.001 U	-	-	sampling frequency
Vinyl chloride	Pond North	4/18/2006	0.001 U	-	-	sampling frequency
Vinyl chloride	Pond North	7/18/2006	0.001 U	-	-	sampling frequency
Vinyl chloride	Pond North	10/16/2006	0.001 U	-	-	-
Vinyl chloride	Pond North	1/23/2007	0.0067 J	-	-	sampling frequency
Vinyl chloride	Pond North	4/17/2007	0.024	-	-	sampling frequency
Vinyl chloride	Pond North	5/9/2007	0.001 U	-	-	sampling frequency
Vinyl chloride	Pond North	6/18/2007	0.00083 J	-	-	sampling frequency
Vinyl chloride	Pond North	7/10/2007	0.00035 J	-	-	sampling frequency
Vinyl chloride	Pond North	8/15/2007	0.0005 J	-	-	sampling frequency
Vinyl chloride	Pond North	9/27/2007	0.00084 J	-	-	sampling frequency
Vinyl chloride	Pond North	10/17/2007	0.00072 J	-	low J value	-
Vinyl chloride	Pond North	11/9/2007	0.001 U	-	-	sampling frequency
Vinyl chloride	Pond North	12/4/2007	0.001 U	-	-	sampling frequency
Vinyl chloride	Pond North	2/18/2008	0.0022	-	-	sampling frequency
Vinyl chloride	Pond North	6/27/2008	0.0035	-	-	sampling frequency
Vinyl chloride	Pond North	9/23/2008	0.0012 / 0.0013	-	-	-
Vinyl chloride	Pond North	12/4/2008	0.001 U	-	-	sampling frequency
Vinyl chloride	Pond North	4/30/2009	0.0039/ 0.0012	-	-	sampling frequency
Vinyl chloride	Pond North	7/30/2009	0.0018	-	-	sampling frequency
Vinyl chloride	Pond North	12/15/2009	0.5	yes	-	-
Vinyl chloride	Pond North	8/4/2010	0.004/ 0.0051	-	-	sampling frequency
Vinyl chloride	Pond North	10/28/2010	0.001 U	-	-	-
Vinyl chloride	Pond North	4/18/2011	0.0043	-	-	sampling frequency
Vinyl chloride	Pond North	7/28/2011	0.0067/ 0.0088	-	-	sampling frequency
Vinyl chloride	Pond North	10/5/2011	0.012	-	-	-
Vinyl chloride	Pond North	5/15/2012	0.014/ 0.014	-	-	sampling frequency
Vinyl chloride	Pond North	8/2/2012	0.011/ 0.012	-	-	sampling frequency
Vinyl chloride	Pond North	10/15/2012	0.012	-	-	-

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Analyte	Location	Date	Result (mg/L)	Outlier	Ambiguous Data	Excluded Data
Vinyl chloride	Pond North	4/9/2013	0.0081	-	-	sampling frequency
Vinyl chloride	Pond North	7/17/2013	0.014/ 0.014	-	-	sampling frequency
Vinyl chloride	Pond North	10/24/2013	0.0033	-	-	-
Vinyl chloride	Pond North	4/15/2014	0.089	-	-	sampling frequency
Vinyl chloride	Pond North	7/17/2014	0.041	-	-	sampling frequency
Vinyl chloride	Pond North	10/23/2014	0.019	-	-	-
Vinyl chloride	Pond North	4/28/2015	0.0091	-	-	sampling frequency
Vinyl chloride	Pond North	7/10/2015	0.0077	-	-	sampling frequency
Vinyl chloride	Pond North	10/14/2015	0.0047	-	-	-
Vinyl chloride	Pond North	4/20/2016	0.0078	-	-	sampling frequency
Vinyl chloride	Pond North	7/19/2016	0.0064 / 0.0062	-	-	-
Vinyl chloride	Pond North	10/21/2016	0.033 U	-	-	sampling frequency
Vinyl chloride	Pond North	4/18/2017	0.011	-	-	sampling frequency
Vinyl chloride	Pond North	7/12/2017	0.0053 / 0.0052	-	-	sampling frequency
Vinyl chloride	Pond North	10/10/2017	0.017	-	-	-
Vinyl chloride	Pond North	4/11/2018	0.014 / 0.018	-	-	sampling frequency
Vinyl chloride	Pond North	7/5/2018	0.023 J	-	-	sampling frequency
Vinyl chloride	Pond North	10/4/2018	0.0064 J / 0.0059 J	-	-	-
Vinyl chloride	Pond North	04/25/2019	0.0099	-	-	sampling frequency
Vinyl chloride	Pond North	10/08/2019	0.0039J / 0.0040J	-	-	-
Vinyl chloride	Pond North	11/03/2020	0.011 / 0.0091J	-	-	-
Vinyl chloride	Pond North	04/27/2022	0.0073 / 0.0072	-	-	-
Vinyl chloride	Pond North	10/10/2023	0.0075 / 0.015	-	-	-

Notes:**Ambiguous Data:**

high DL - observation was excluded due to ambiguous comparisons with data analyzed at lower detection limits.

low J value - observation was censored (considered non-detect) due to ambiguous comparisons with non-detect data having higher detection limits.

Excluded Data:

sampling frequency - additional sampling events were excluded from the Mann-Kendall trend test to provide a consistent sampling interval corresponding to current program (annual).

detection frequency - non-detects were excluded from the Mann-Kendall trend test to provide a test result, otherwise not obtained due to detection frequency less than 75 percent.

Table C.2

Descriptive Statistics and Trend Test Results
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Location	Analyte	Date Range	Number of			Minimum (mg/L)	Maximum (mg/L)	Number of Outliers	Mann-Kendall Trend test				Sen's Slope (units/day)
			Number of Samples	Number of Detects	Percent Detects				Statistic	Probability	Confidence in trend	Conclusion	
MW-2	TCE	2007 - 2023	15	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
MW 3	TCE	2005 - 2023	18	18	100%	0.013	14 / 14	0	-34	0.895	11%	NT or Decreasing	-8E-04
MW-4	TCE	2005 - 2023	18	15	83%	0.0112	2.7	0	84	0.001	100%	Increasing	3E-04
MW-4 ⁽¹⁾	TCE	2005 - 2023	15	15	100%	0.0112	2.7	0	43	0.019	98%	Increasing	3E-04
MW-7	TCE	2012 - 2023	6	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
MW 8	TCE	2005 - 2023	18	18	100%	0.046	1.4	0	-44	0.948	5%	NT or Decreasing	-5E-05
MW 12	TCE	2005 - 2023	18	13	72%	0.00028J	0.11 / 0.13	--	--	--	--	--	--
MW 12 ⁽¹⁾	TCE	2005 - 2023	14	14	100%	0.00028J	0.11 / 0.13	0	-89	1.000	0%	NT or Decreasing	-1E-05
MW 14	TCE	2005 - 2023	18	1	6%	0.001 U	0.5 U	--	--	--	--	--	--
MW 15 ⁽²⁾	TCE	2005 - 2023	13	13	100%	2	8.3	0	-38	0.988	1%	NT or Decreasing	-9E-04
MW 16	TCE	2005 - 2023	11	3	27%	0.001 U	3.8	--	--	--	--	--	--
MW 21	TCE	2005 - 2023	10	1	10%	0.001 U	0.0013	--	--	--	--	--	--
MW 28	TCE	2005 - 2023	18	1	6%	0.00015 J	0.1 U	--	--	--	--	--	--
MW 31R	TCE	2005 - 2023	18	9	50%	0.038 J	5U	--	--	--	--	--	--
MW 31R ⁽¹⁾	TCE	2005 - 2020	9	9	100%	0.038 J	2.3	0	-20	0.978	2%	NT or Decreasing	-7E-05
MW 37	TCE	2005 - 2023	16	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
MW 40	TCE	2005 - 2023	18	11	61%	0.0011	0.71 U / 0.83 U	--	--	--	--	--	--
MW 40 ⁽¹⁾	TCE	2005 - 2023	11	11	100%	0.0011	0.36 / 0.35	0	15	0.138	86%	NT or Decreasing	2E-05
MW 41	TCE	2005 - 2023	18	0	0%	0.001 U	0.63 U	--	--	--	--	--	--
MW 42 ⁽²⁾	TCE	2005 - 2023	18	2	11%	0.001 U	0.5 U	--	--	--	--	--	--
MW 46	TCE	2005 - 2023	17	3	18%	0.00013 J / 0.00012 J	0.005 U	--	--	--	--	--	--
MW 49	TCE	2005 - 2023	16	7	44%	0.00042 J	0.11	--	--	--	--	--	--
MW 49 ⁽¹⁾	TCE	2007 - 2023	7	7	100%	0.00042 J	0.11	0	17	0.005	99%	Increasing	2E-05
MW 51	TCE	2008 - 2019	12	12	100%	0.046 / 0.052	0.3	0	-62	1.000	0%	NT or Decreasing	-6E-05
MW 56	TCE	2005 - 2023	17	1	6%	0.00067 J	0.001 U	--	--	--	--	--	--
MW 57	TCE	2005 - 2023	17	1	6%	0.00011 J	0.05U	--	--	--	--	--	--
MW 58	TCE	2005 - 2023	17	2	12%	0.00059 J	0.2 U	--	--	--	--	--	--
MW 61	TCE	2005 - 2023	15	0	0%	0.001U / 0.001U	0.005 U / 0.005 U	--	--	--	--	--	--
MW 64	TCE	2005 - 2023	17	4	24%	0.00011 J	0.01 U / 0.01 U	--	--	--	--	--	--
MW 65	TCE	2005 - 2023	16	1	6%	0.00027 J	0.13 U	--	--	--	--	--	--
MW 66	TCE	2005 - 2023	18	0	0%	0.001 U	0.2 U	--	--	--	--	--	--
MW 68	TCE	2005 - 2023	18	18	100%	0.32 J / 0.35 J	2.4 / 2.3	0	-14	0.689	31%	NT or Decreasing	-6E-05
MW 75	TCE	2005 - 2023	15	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
MW 76/MW 76R-17	TCE	2005 - 2023	12	1	8%	0.00021 J	0.001 U	--	--	--	--	--	--
MW 79	TCE	2005 - 2023	17	1	6%	0.001 U	0.12	--	--	--	--	--	--
MW 80	TCE	2005 - 2023	17	1	6%	0.00021 J	0.0083 U	--	--	--	--	--	--
MW 81	TCE	2005 - 2023	17	0	0%	0.001 U	0.008 U	--	--	--	--	--	--
MW 82	TCE	2005 - 2023	16	3	19%	0.00014 J / 0.00012 J	0.001 U	--	--	--	--	--	--
MW 83	TCE	2005 - 2023	17	2	12%	0.00023 J	0.005 U	--	--	--	--	--	--
MW 84	TCE	2005 - 2023	11	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
MW 85	TCE	2008 - 2023	15	0	0%	0.001 U	0.56 U	--	--	--	--	--	--
MW 86	TCE	2010 - 2023	12	0	0%	0.001 U	0.001 U / 0.005 U	--	--	--	--	--	--
MW 88	TCE	2010 - 2023	12	1	8%	0.00097 J	0.005 U	--	--	--	--	--	--
MW 89-11	TCE	2011 - 2023	12	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
MW97R-16	TCE	2016 - 2023	6	0	0%	0.001 U	0.001 U	--	--	--	--	--	--

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Location	Analyte	Date Range	Number of			Minimum (mg/L)	Maximum (mg/L)	Number of Outliers	Mann-Kendall Trend test				Sen's Slope (units/day)
			Samples	Detects	Percent Detects				Statistic	Probability	Confidence in trend	Conclusion	
Pond Intake	TCE	2005 - 2023	18	0	0%	0.001 U	0.005 U	--	--	--	--	--	--
Pond North	TCE	2005 - 2023	18	0	0%	0.001 U	0.033 U	--	--	--	--	--	--
MW-2	cis-1,2-DCE	2007 - 2023	15	3	20%	0.00015 J	0.0021	--	--	--	--	--	--
MW 3	cis-1,2-DCE	2005 - 2023	18	17	94%	0.0042 U	5.7	0	-2	0.515	48%	NT or Decreasing	-3E-05
MW-4	cis-1,2-DCE	2005 - 2023	18	18	100%	4.5	23	0	-97	1.000	0%	NT or Decreasing	-2E-03
MW-7	cis-1,2-DCE	2014 - 2023	6	2	33%	0.00018 J	0.001 U	--	--	--	--	--	--
MW 8	cis-1,2-DCE	2005 - 2023	18	18	100%	0.24	22	1	-84	0.999	0%	NT or Decreasing	-9E-04
MW 12	cis-1,2-DCE	2005 - 2023	18	18	100%	0.052	0.96 / 1	0	-141	1.000	0%	NT or Decreasing	-1E-04
MW 14	cis-1,2-DCE	2005 - 2023	18	18	100%	0.33	7.7	1	-88	1.000	0%	NT or Decreasing	-6E-04
MW 15	cis-1,2-DCE	2005 - 2023	13	13	100%	1.7	19	0	-30	0.962	4%	NT or Decreasing	-1E-03
MW 16	cis-1,2-DCE	2005 - 2023	11	7	64%	0.00026 J	9.6	--	--	--	--	--	--
MW 16 ⁽¹⁾	cis-1,2-DCE	2013 - 2023	7	7	100%	0.00026 J	9.6	0	9	0.119	88%	NT or Decreasing	1E-03
MW 21	cis-1,2-DCE	2005 - 2023	10	1	10%	0.00046 J	0.001 U	--	--	--	--	--	--
MW 28	cis-1,2-DCE	2005 - 2023	18	11	61%	0.001 U	2.1	--	--	--	--	--	--
MW 28 ⁽¹⁾	cis-1,2-DCE	2005 - 2023	11	11	100%	0.018	2.1	0	51	4E-05	100%	Increasing	4E-04
MW 31R	cis-1,2-DCE	2005 - 2023	18	18	100%	5.1	95	0	49	0.035	97%	Increasing	3E-03
MW 37	cis-1,2-DCE	2005 - 2023	16	1	6%	0.001 U	0.0011	--	--	--	--	--	--
MW 40	cis-1,2-DCE	2005 - 2023	18	18	100%	3.1	17	0	-128	1.000	0%	NT or Decreasing	-2E-03
MW 41	cis-1,2-DCE	2005 - 2023	18	18	100%	2.9	10	0	-87	0.999	0%	NT or Decreasing	-9E-04
MW 42	cis-1,2-DCE	2005 - 2023	18	18	100%	2.4	12	0	-128	1.000	0%	NT or Decreasing	-1E-03
MW 46	cis-1,2-DCE	2005 - 2023	17	1	6%	0.0005J	0.005 U	--	--	--	--	--	--
MW 49	cis-1,2-DCE	2005 - 2023	16	16	100%	0.01	0.9	0	39	0.043	96%	Increasing	7E-05
MW 51	cis-1,2-DCE	2008 - 2019	12	12	100%	0.0075	0.15 / 0.16	1	28	0.032	97%	Increasing	6E-06
MW 56	cis-1,2-DCE	2005 - 2023	17	3	18%	0.0002 J / 0.00021 J	0.003	--	--	--	--	--	--
MW 57	cis-1,2-DCE	2005 - 2023	17	5	29%	0.00014 J	0.18	--	--	--	--	--	--
MW 58	cis-1,2-DCE	2005 - 2023	17	8	47%	0.001 U	3	--	--	--	--	--	--
MW 61	cis-1,2-DCE	2005 - 2023	15	1	7%	0.00035 J	0.005 U / 0.005 U	--	--	--	--	--	--
MW 64	cis-1,2-DCE	2005 - 2023	17	11	65%	0.00014 J / 0.00014 J	0.31B / 0.32B	--	--	--	--	--	--
MW 64 ⁽¹⁾	cis-1,2-DCE	2005 - 2023	11	11	100%	0.00014 J / 0.00014 J	0.31B / 0.32B	0	27	0.021	98%	Increasing	5E-05
MW 65	cis-1,2-DCE	2005 - 2023	16	16	100%	0.0035	2.7	0	-100	1.000	0%	NT or Decreasing	-2E-04
MW 66	cis-1,2-DCE	2005 - 2023	18	14	78%	0.0007 J	3.4	0	117	5E-06	100%	Increasing	4E-04
MW 68	cis-1,2-DCE	2005 - 2023	18	18	100%	3 / 3	16 / 16	0	-129	1.000	0%	NT or Decreasing	-2E-03
MW 75	cis-1,2-DCE	2005 - 2023	15	1	7%	0.0007 J	0.001 U	--	--	--	--	--	--
MW 76/MW 76R-17	cis-1,2-DCE	2005 - 2023	12	8	67%	0.00019 J	0.01	--	--	--	--	--	--
MW 79	cis-1,2-DCE	2005 - 2023	17	17	100%	0.79	2.6	0	71	0.002	100%	Increasing	2E-04
MW 80	cis-1,2-DCE	2005 - 2023	17	8	47%	0.00013 J	0.24	--	--	--	--	--	--
MW 81	cis-1,2-DCE	2005 - 2023	17	13	76%	0.00024 J	0.19	0	70	0.002	100%	Increasing	1E-05
MW 81 ⁽¹⁾	cis-1,2-DCE	2005 - 2023	13	13	100%	0.00024 J	0.19	0	22	0.100	90%	NT or Decreasing	1E-05
MW 82	cis-1,2-DCE	2005 - 2023	16	5	31%	0.00041 J	0.0022	--	--	--	--	--	--
MW 83	cis-1,2-DCE	2005 - 2023	17	3	18%	0.00032 J	0.005 U	--	--	--	--	--	--
MW 84	cis-1,2-DCE	2005 - 2023	11	2	18%	0.00027 J	0.001 U	--	--	--	--	--	--
MW 85	cis-1,2-DCE	2008 - 2023	15	13	87%	0.017 U	10	0	43	0.019	98%	Increasing	1E-03
MW 86	cis-1,2-DCE	2010 - 2023	12	0	0%	0.001 U	0.001 U / 0.005 U	--	--	--	--	--	--
MW 88	cis-1,2-DCE	2010 - 2023	12	0	0%	0.001 U	0.005 U	--	--	--	--	--	--

Descriptive Statistics and Trend Test Results
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Location	Analyte	Date Range	Number of			Minimum (mg/L)	Maximum (mg/L)	Number of Outliers	Mann-Kendall Trend test				Sen's Slope (units/day)
			Number of Samples	Number of Detects	Percent Detects				Statistic	Probability	Confidence in trend	Conclusion	
MW 89-11	cis-1,2-DCE	2011 - 2023	12	4	33%	0.0003 J	0.001 U	--	--	--	--	--	--
MW97R-16	cis-1,2-DCE	2016 - 2023	6	1	17%	0.001 U	0.0012	--	--	--	--	--	--
Pond Intake	cis-1,2-DCE	2005 - 2023	18	11	61%	0.001 U	0.1	--	--	--	--	--	--
Pond Intake ⁽¹⁾	cis-1,2-DCE	2005 - 2023	11	11	100%	0.0026	0.1	0	33	0.013	99%	Increasing	2E-05
Pond North	cis-1,2-DCE	2005 - 2023	19	13	68%	0.001 U	0.5	--	--	--	--	--	--
Pond North ⁽¹⁾	cis-1,2-DCE	2005 - 2023	13	13	100%	0.0089	0.5	0	18	0.298	70%	NT or Decreasing	--
MW-2	VC	2007 - 2023	15	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
MW 3	VC	2005 - 2023	18	12	67%	0.00027 J	0.65	--	--	--	--	--	--
MW 3 ⁽¹⁾	VC	2005 - 2020	12	12	100%	0.00027 J	0.65	0	-18	0.878	12%	NT or Decreasing	-2E-05
MW-4	VC	2005 - 2023	18	18	100%	0.2	2.1	0	-87	0.999	0%	NT or Decreasing	-1E-04
MW-7	VC	2014 - 2023	6	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
MW 8	VC	2005 - 2023	18	18	100%	0.027	5.5	1	-68	0.995	1%	NT or Decreasing	-2E-04
MW 12	VC	2005 - 2023	18	1	6%	0.0005J	0.042 U	--	--	--	--	--	--
MW 14	VC	2005 - 2023	18	18	100%	0.0087 J	0.51	1	-79	0.998	0%	NT or Decreasing	-3E-05
MW 15	VC	2005 - 2023	10	10	100%	0.041	1.4	0	-32	0.998	0%	NT or Decreasing	-2E-04
MW 16	VC	2005 - 2023	11	3	27%	0.001 U	0.63U	--	--	--	--	--	--
MW 21	VC	2005 - 2023	10	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
MW 28	VC	2005 - 2023	18	18	100%	0.057	0.22	0	78	0.002	100%	Increasing	2E-05
MW 31R	VC	2005 - 2023	18	18	100%	0.7	13	0	8	0.395	60%	NT or Decreasing	7E-05
MW 37	VC	2005 - 2023	15	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
MW 40	VC	2005 - 2023	18	18	100%	0.17 / 0.18	2.1	0	-96	1.000	0%	NT or Decreasing	-2E-04
MW 41	VC	2005 - 2023	18	18	100%	0.14 J	0.66	0	-22	0.787	21%	NT or Decreasing	-1E-05
MW 42	VC	2005 - 2023	17	17	100%	0.052J	0.26	0	-30	0.884	12%	NT or Decreasing	-1E-05
MW 46	VC	2005 - 2023	17	0	0%	0.001 U	0.002 U	--	--	--	--	--	--
MW 49	VC	2005 - 2023	15	11	73%	0.01 U	0.085	--	--	--	--	--	--
MW 49 ⁽¹⁾	VC	2005 - 2019	11	11	100%	0.011 J	0.085	0	-32	0.992	1%	NT or Decreasing	-2E-05
MW 51	VC	2008 - 2019	13	8	62%	0.001 U	0.017 U / 0.017 U	--	--	--	--	--	--
MW 51 ⁽¹⁾	VC	2009 - 2019	8	8	100%	0.0029 J	0.0079	0	2	0.452	55%	NT or Decreasing	4E-07
MW 56	VC	2005 - 2023	17	1	6%	0.00066J	0.001 U	--	--	--	--	--	--
MW 57	VC	2005 - 2023	17	11	65%	0.00083 J	1.3	--	--	--	--	--	--
MW 57 ⁽¹⁾	VC	2005 - 2023	12	12	100%	0.00083 J	1.3	0	54	1E-04	100%	Increasing	7E-05
MW 58	VC	2005 - 2023	17	16	94%	0.001 U	0.158	0	33	0.094	91%	Increasing	1E-05
MW 61	VC	2005 - 2023	14	8	57%	0.00029 J	0.0035 / 0.0033	--	--	--	--	--	--
MW 61 ⁽¹⁾	VC	2011 - 2023	8	8	100%	0.00029 J	0.0035 / 0.0033	0	18	0.016	98%	Increasing	2E-07
MW 64	VC	2005 - 2023	17	17	100%	0.0011	0.083 / 0.089	0	82	4E-04	100%	Increasing	9E-06
MW 65	VC	2005 - 2023	16	12	75%	0.00049J	0.68	0	-50	0.987	1%	NT or Decreasing	-7E-07
MW 65 ⁽¹⁾	VC	2005 - 2023	12	12	100%	0.00049J	0.68	0	-52	1.000	0%	NT or Decreasing	-5E-05
MW 66	VC	2005 - 2023	17	15	88%	0.0067	0.25	0	4	0.451	55%	NT or Decreasing	5E-07
MW 66 ⁽¹⁾	VC	2005 - 2020	15	15	100%	0.0067	0.25	0	34	0.051	95%	Increasing	1E-05
MW 68	VC	2005 - 2023	18	18	100%	0.11	0.43 J	0	-67	0.994	1%	NT or Decreasing	-2E-05
MW 75	VC	2005 - 2023	15	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
MW 76/MW 76R-17	VC	2005 - 2023	12	3	25%	0.00048 J / 0.00046 J	0.0016	--	--	--	--	--	--
MW 79	VC	2005 - 2023	17	17	100%	0.13	0.6	0	28	0.133	87%	NT or Decreasing	2E-05

Table C.2

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Location	Analyte	Date Range	Number of			Minimum (mg/L)	Maximum (mg/L)	Number of Outliers	Mann-Kendall Trend test				Sen's Slope (units/day)
			Number of Samples	Number of Detects	Percent Detects				Statistic	Probability	Confidence in trend	Conclusion	
MW 80	VC	2005 - 2023	17	17	100%	0.0134	0.15 / 0.16	0	36	0.075	93%	Increasing	6E-06
MW 81	VC	2005 - 2023	17	17	100%	0.0058	0.066	0	67	0.003	100%	Increasing	6E-06
MW 82	VC	2005 - 2023	16	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
MW 83	VC	2005 - 2023	17	11	65%	0.0003 J	0.034	--	--	--	--	--	--
MW 83 ⁽¹⁾	VC	2005 - 2023	11	11	100%	0.0003 J	0.034	0	54	2E-05	100%	Increasing	5E-06
MW 84	VC	2005 - 2023	11	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
MW 85	VC	2008 - 2023	15	15	100%	0.25	0.808	0	-50	0.992	1%	NT or Decreasing	-7E-05
MW 86	VC	2010 - 2023	12	0	0%	0.001 U	0.001 U / 0.002 U	--	--	--	--	--	--
MW 88	VC	2010 - 2023	12	8	67%	0.00034 J	0.0094	--	--	--	--	--	--
MW 88 ⁽¹⁾	VC	2014 - 2023	8	8	100%	0.00034 J	0.0094	0	28	3E-05	100%	Increasing	3E-06
MW 89-11	VC	2011 - 2023	12	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
MW97R-16	VC	2016 - 2023	6	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
Pond Intake	VC	2005 - 2023	18	13	72%	0.00067 J	0.0065	--	--	--	--	--	--
Pond Intake ⁽¹⁾	VC	2005 - 2023	14	14	100%	0.00067 J	0.0065	0	28	0.137	86%	NT or Decreasing	6E-07
Pond North	VC	2005 - 2023	18	14	78%	0.00072 J	0.5	1	50	0.062	94%	Increasing	1E-06

Notes:

ated detection limits for non-detects or due to detection frequency close to 75 percent.

the Mann-Kendall trend test to provide a consistent sampling interval corresponding to current program.

uous comparisons with data analyzed at lower detection limits.

ifrequent detections (i.e., fewer than 75 percent detects).

s not found. Analyte concentrations may be stable or decreasing over time. (Per approved Monitoring Plan,

a 1-sided test is performed).

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Analyte	Location	Date	Result (mg/L)	Outlier	Ambiguous Data	Excluded Data
Trichloroethene	MW-2	10/16/2012	0.001 U	-	-	-
Trichloroethene	MW-2	10/24/2013	0.001 U/ 0.001 U	-	-	-
Trichloroethene	MW-2	10/23/2014	0.001 U	-	-	-
Trichloroethene	MW-2	10/13/2015	0.001 U	-	-	-
Trichloroethene	MW-2	10/22/2016	0.001 U	-	-	-
Trichloroethene	MW-2	10/10/2017	0.001 U	-	-	-
Trichloroethene	MW-2	10/3/2018	0.001 U	-	-	-
Trichloroethene	MW-2	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW-2	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW-2	10/10/2023	0.001 U	-	-	-
Trichloroethene	MW 3	4/12/2013	13	-	-	sampling frequency
Trichloroethene	MW 3	10/24/2013	5.3 / 4.8	-	-	-
Trichloroethene	MW 3	4/15/2014	8.6	-	-	sampling frequency
Trichloroethene	MW 3	10/23/2014	4.3	-	-	-
Trichloroethene	MW 3	4/28/2015	8.3	-	-	sampling frequency
Trichloroethene	MW 3	10/13/2015	5.1	-	-	-
Trichloroethene	MW 3	4/19/2016	12	-	-	sampling frequency
Trichloroethene	MW 3	10/22/2016	4.9	-	-	-
Trichloroethene	MW 3	4/18/2017	11	-	-	sampling frequency
Trichloroethene	MW 3	10/10/2017	4.4	-	-	-
Trichloroethene	MW 3	4/9/2018	7.8	-	-	sampling frequency
Trichloroethene	MW 3	10/3/2018	8.5	-	-	-
Trichloroethene	MW 3	04/25/2019	7.8	-	-	-
Trichloroethene	MW 3	11/03/2020	2.1	-	-	-
Trichloroethene	MW 3	04/27/2022	14 / 14	-	-	-
Trichloroethene	MW 3	10/10/2023	0.8	-	-	-
Trichloroethene	MW-4	4/12/2013	0.74	-	-	sampling frequency
Trichloroethene	MW-4	10/24/2013	1.5	-	-	-
Trichloroethene	MW-4	4/15/2014	0.52 / 0.47 J	-	-	sampling frequency
Trichloroethene	MW-4	10/23/2014	1.7	-	-	-
Trichloroethene	MW-4	4/28/2015	0.5	-	-	sampling frequency
Trichloroethene	MW-4	10/13/2015	1	-	-	-
Trichloroethene	MW-4	4/19/2016	0.8	-	-	sampling frequency
Trichloroethene	MW-4	10/22/2016	1.7	-	-	-
Trichloroethene	MW-4	4/18/2017	1.1	-	-	sampling frequency
Trichloroethene	MW-4	10/10/2017	2.4 / 2.1	-	-	-
Trichloroethene	MW-4	4/9/2018	1.3/ 1.4	-	-	sampling frequency
Trichloroethene	MW-4	10/3/2018	1.6	-	-	-
Trichloroethene	MW-4	04/25/2019	0.8	-	-	-
Trichloroethene	MW-4	11/03/2020	1	-	-	-
Trichloroethene	MW-4	04/27/2022	0.66 / 0.75	-	-	-
Trichloroethene	MW-4	10/10/2023	2.7	-	-	-
Trichloroethene	MW-7	10/16/2012	0.001 U	-	-	-
Trichloroethene	MW-7	10/10/2017	0.001 U/ 0.001 U	-	-	-
Trichloroethene	MW-7	10/3/2018	0.001 U/ 0.001 U	-	-	-
Trichloroethene	MW-7	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW-7	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW-7	10/10/2023	0.001 U	-	-	-
Trichloroethene	MW 8	4/12/2013	0.12 J	-	-	sampling frequency
Trichloroethene	MW 8	10/24/2013	0.42	-	-	-
Trichloroethene	MW 8	4/15/2014	0.19 J	-	-	sampling frequency
Trichloroethene	MW 8	10/23/2014	0.31	-	-	-
Trichloroethene	MW 8	4/28/2015	0.33	-	-	sampling frequency

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Analyte	Location	Date	Result (mg/L)	Outlier	Ambiguous Data	Excluded Data
Trichloroethene	MW 8	10/13/2015	0.42	-	-	-
Trichloroethene	MW 8	4/19/2016	0.16 J / 0.17 J	-	-	sampling frequency
Trichloroethene	MW 8	10/22/2016	0.39	-	-	-
Trichloroethene	MW 8	4/18/2017	0.09 J	-	-	sampling frequency
Trichloroethene	MW 8	10/10/2017	0.37	-	-	-
Trichloroethene	MW 8	4/9/2018	0.15 J	-	-	sampling frequency
Trichloroethene	MW 8	10/3/2018	0.17	-	-	-
Trichloroethene	MW 8	04/25/2019	0.089	-	-	-
Trichloroethene	MW 8	11/03/2020	0.16	-	-	-
Trichloroethene	MW 8	04/27/2022	0.41	-	-	-
Trichloroethene	MW 8	10/10/2023	0.15	-	-	-
Trichloroethene	MW 12	4/12/2013	0.0059 J	-	-	sampling frequency
Trichloroethene	MW 12	10/24/2013	0.003 J	-	-	-
Trichloroethene	MW 12	4/15/2014	0.0017 J	-	-	sampling frequency
Trichloroethene	MW 12	10/23/2014	0.0013 J / 0.0012 J	-	-	-
Trichloroethene	MW 12	4/28/2015	0.0057 U	-	-	sampling frequency
Trichloroethene	MW 12	10/13/2015	0.005 U	-	-	-
Trichloroethene	MW 12	4/19/2016	0.005 U	-	-	sampling frequency
Trichloroethene	MW 12	10/22/2016	0.005 U	-	-	-
Trichloroethene	MW 12	4/18/2017	0.00085 J	-	-	sampling frequency
Trichloroethene	MW 12	10/10/2017	0.0033 U	-	-	-
Trichloroethene	MW 12	4/9/2018	0.0026 J	-	-	sampling frequency
Trichloroethene	MW 12	10/3/2018	0.005 U	-	-	-
Trichloroethene	MW 12	04/25/2019	0.00048 J	-	-	-
Trichloroethene	MW 12	11/03/2020	0.00028 J	-	-	-
Trichloroethene	MW 12	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW 12	10/10/2023	0.00045 J	-	-	-
Trichloroethene	MW 14	4/12/2013	0.17 U / 0.17 U	-	-	sampling frequency
Trichloroethene	MW 14	10/24/2013	0.2 U / 0.25 U	-	-	-
Trichloroethene	MW 14	4/15/2014	0.17 U / 0.17 U	-	-	sampling frequency
Trichloroethene	MW 14	10/23/2014	0.33 U	-	-	-
Trichloroethene	MW 14	4/28/2015	0.2 U / 0.2 U	-	-	sampling frequency
Trichloroethene	MW 14	10/13/2015	0.2 U	-	-	-
Trichloroethene	MW 14	4/19/2016	0.17 U	-	-	sampling frequency
Trichloroethene	MW 14	10/22/2016	0.2 U	-	-	-
Trichloroethene	MW 14	4/18/2017	0.13 U / 0.13 U	-	-	sampling frequency
Trichloroethene	MW 14	10/10/2017	0.2 U / 0.2 U	-	-	-
Trichloroethene	MW 14	4/9/2018	0.2 U	-	-	sampling frequency
Trichloroethene	MW 14	10/3/2018	0.2 U	-	-	-
Trichloroethene	MW 14	04/25/2019	0.14 U	-	-	-
Trichloroethene	MW 14	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 14	04/27/2022	0.13 U / 0.13 U	-	-	-
Trichloroethene	MW 14	10/10/2023	0.1 U / 0.1 U	-	-	-
Trichloroethene	MW 15	2/18/2008	7.4	-	-	-
Trichloroethene	MW 15	10/24/2013	8.3	-	-	-
Trichloroethene	MW 15	10/23/2014	5.5	-	-	-
Trichloroethene	MW 15	10/13/2015	3	-	-	-
Trichloroethene	MW 15	10/22/2016	2.5	-	-	-
Trichloroethene	MW 15	10/10/2017	4.1	-	-	-
Trichloroethene	MW 15	10/3/2018	3.7	-	-	-
Trichloroethene	MW 15	11/03/2020	2.5	-	-	-
Trichloroethene	MW 15	04/27/2022	7.1	-	-	-
Trichloroethene	MW 15	10/10/2023	2	-	-	-

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Analyte	Location	Date	Result (mg/L)	Outlier	Ambiguous Data	Excluded Data
Trichloroethene	MW 16	10/24/2013	0.001 U	-	-	-
Trichloroethene	MW 16	4/15/2014	0.001 U	-	-	-
Trichloroethene	MW 16	10/13/2015	0.001 U	-	-	-
Trichloroethene	MW 16	10/22/2016	0.001 U	-	-	-
Trichloroethene	MW 16	10/10/2017	0.0017	-	-	-
Trichloroethene	MW 16	10/3/2018	0.005 U	-	-	-
Trichloroethene	MW 16	10/08/2019	0.63U	-	-	-
Trichloroethene	MW 16	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 16	04/27/2022	1.9	-	-	-
Trichloroethene	MW 16	10/10/2023	3.8	-	-	-
Trichloroethene	MW 21	10/18/2005	0.001 U	-	-	-
Trichloroethene	MW 21	2/1/2006	0.00066 J	-	-	sampling frequency
Trichloroethene	MW 21	4/18/2006	0.001 U	-	-	sampling frequency
Trichloroethene	MW 21	7/18/2006	0.001 U	-	-	sampling frequency
Trichloroethene	MW 21	10/18/2006	0.001 U	-	-	-
Trichloroethene	MW 21	1/24/2007	0.001 U	-	-	sampling frequency
Trichloroethene	MW 21	4/18/2007	0.001 U	-	-	sampling frequency
Trichloroethene	MW 21	7/11/2007	0.001 U	-	-	sampling frequency
Trichloroethene	MW 21	10/15/2007	0.001 U	-	-	-
Trichloroethene	MW 21	10/13/2015	0.001 U	-	-	-
Trichloroethene	MW 21	10/22/2016	0.001 U	-	-	-
Trichloroethene	MW 21	10/10/2017	0.001 U	-	-	-
Trichloroethene	MW 21	10/3/2018	0.0013	-	-	-
Trichloroethene	MW 21	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 21	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW 21	10/10/2023	0.001 U	-	-	-
Trichloroethene	MW 28	4/12/2013	0.0067 U	-	-	sampling frequency
Trichloroethene	MW 28	10/24/2013	0.0091 U	-	-	-
Trichloroethene	MW 28	4/15/2014	0.014 U / 0.014 U	-	-	sampling frequency
Trichloroethene	MW 28	10/23/2014	0.02 U	-	-	-
Trichloroethene	MW 28	4/28/2015	0.025 U	-	-	sampling frequency
Trichloroethene	MW 28	10/13/2015	0.04 U	-	-	-
Trichloroethene	MW 28	4/19/2016	0.033 U	-	-	sampling frequency
Trichloroethene	MW 28	10/22/2016	0.05 U	-	-	-
Trichloroethene	MW 28	4/18/2017	0.025 U	-	-	sampling frequency
Trichloroethene	MW 28	10/10/2017	0.04 U	-	-	-
Trichloroethene	MW 28	4/9/2018	0.05 U	-	-	sampling frequency
Trichloroethene	MW 28	10/3/2018	0.067 U / 0.067 U	-	-	-
Trichloroethene	MW 28	04/25/2019	0.04 U	-	-	-
Trichloroethene	MW 28	11/03/2020	0.067 U	-	-	-
Trichloroethene	MW 28	04/27/2022	0.08 U	-	-	-
Trichloroethene	MW 28	10/10/2023	0.1 U	-	-	-
Trichloroethene	MW 31R	4/12/2013	0.057 J	-	-	sampling frequency
Trichloroethene	MW 31R	10/24/2013	0.15 J	-	-	-
Trichloroethene	MW 31R	4/15/2014	0.12 J	-	-	sampling frequency
Trichloroethene	MW 31R	10/23/2014	0.04 J	-	-	-
Trichloroethene	MW 31R	4/28/2015	0.5 U	-	-	sampling frequency
Trichloroethene	MW 31R	10/13/2015	0.25 U	-	-	-
Trichloroethene	MW 31R	4/19/2016	0.5 U	-	-	sampling frequency
Trichloroethene	MW 31R	10/22/2016	0.71 U / 0.71 U	-	-	-
Trichloroethene	MW 31R	4/18/2017	0.63 U	-	-	sampling frequency
Trichloroethene	MW 31R	10/10/2017	0.83 U	-	-	-
Trichloroethene	MW 31R	4/9/2018	1 U	-	-	sampling frequency

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Trichloroethene	MW 31R	10/3/2018	1 U / 1 U	-	-	-
Trichloroethene	MW 31R	04/25/2019	5 U	-	-	-
Trichloroethene	MW 31R	11/03/2020	0.038J	-	-	-
Trichloroethene	MW 31R	04/27/2022	1 U	-	-	-
Trichloroethene	MW 31R	10/10/2023	0.4 U	-	-	-
Trichloroethene	MW 37	10/16/2012	0.001 U / 0.001 U	-	-	-
Trichloroethene	MW 37	10/24/2013	0.001 U	-	-	-
Trichloroethene	MW 37	10/23/2014	0.001 U	-	-	-
Trichloroethene	MW 37	10/13/2015	0.001 U	-	-	-
Trichloroethene	MW 37	10/22/2016	0.001 U	-	-	-
Trichloroethene	MW 37	10/10/2017	0.001 U	-	-	-
Trichloroethene	MW 37	10/3/2018	0.001 U	-	-	-
Trichloroethene	MW 37	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 37	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW 37	10/10/2023	0.001 U	-	-	-
Trichloroethene	MW 40	10/16/2012	0.25 U	-	-	-
Trichloroethene	MW 40	4/12/2013	0.13 J	-	-	sampling frequency
Trichloroethene	MW 40	10/24/2013	0.15 J	-	-	-
Trichloroethene	MW 40	4/15/2014	0.22 J	-	-	sampling frequency
Trichloroethene	MW 40	10/23/2014	0.21 J	-	-	-
Trichloroethene	MW 40	4/28/2015	0.32 J	-	-	sampling frequency
Trichloroethene	MW 40	10/13/2015	0.26	-	-	-
Trichloroethene	MW 40	4/19/2016	0.31	-	-	sampling frequency
Trichloroethene	MW 40	10/22/2016	0.16 J	-	-	-
Trichloroethene	MW 40	4/18/2017	0.4	-	-	sampling frequency
Trichloroethene	MW 40	10/10/2017	0.36 / 0.35	-	-	-
Trichloroethene	MW 40	4/9/2018	0.34	-	-	sampling frequency
Trichloroethene	MW 40	10/3/2018	0.28	-	-	-
Trichloroethene	MW 40	04/25/2019	0.2 U	-	high DL	-
Trichloroethene	MW 40	11/03/2020	0.18	-	-	-
Trichloroethene	MW 40	04/27/2022	0.17J	-	-	-
Trichloroethene	MW 40	10/10/2023	0.11	-	-	-
Trichloroethene	MW 41	4/12/2013	0.2 U	-	-	sampling frequency
Trichloroethene	MW 41	10/24/2013	0.33 U	-	-	-
Trichloroethene	MW 41	4/15/2014	0.2 U	-	-	sampling frequency
Trichloroethene	MW 41	10/23/2014	0.63 U	-	-	-
Trichloroethene	MW 41	4/28/2015	0.33 U	-	-	sampling frequency
Trichloroethene	MW 41	10/13/2015	0.33 U / 0.25 U	-	-	-
Trichloroethene	MW 41	4/19/2016	0.2 U	-	-	sampling frequency
Trichloroethene	MW 41	10/22/2016	0.33 U	-	-	-
Trichloroethene	MW 41	4/18/2017	0.2 U	-	-	sampling frequency
Trichloroethene	MW 41	10/10/2017	0.2 U	-	-	-
Trichloroethene	MW 41	4/9/2018	0.33 U	-	-	sampling frequency
Trichloroethene	MW 41	10/3/2018	0.33 U	-	-	-
Trichloroethene	MW 41	04/25/2019	0.2 U / 0.2 U	-	-	-
Trichloroethene	MW 41	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 41	04/27/2022	0.1U	-	-	-
Trichloroethene	MW 41	10/10/2023	0.2 U	-	-	-
Trichloroethene	MW 42	4/12/2013	0.2 U	-	-	sampling frequency
Trichloroethene	MW 42	10/24/2013	0.2 U	-	-	-
Trichloroethene	MW 42	4/15/2014	0.17 U	-	-	sampling frequency
Trichloroethene	MW 42	10/23/2014	0.2 U	-	-	-
Trichloroethene	MW 42	4/28/2015	0.2 U	-	-	sampling frequency

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Trichloroethene	MW 42	10/13/2015	0.17 U	-	-	-
Trichloroethene	MW 42	4/19/2016	0.17 U	-	-	sampling frequency
Trichloroethene	MW 42	10/22/2016	0.2 U	-	-	-
Trichloroethene	MW 42	4/18/2017	0.035 J	-	-	sampling frequency
Trichloroethene	MW 42	10/10/2017	0.1 U	-	-	-
Trichloroethene	MW 42	4/9/2018	0.2 U	-	-	sampling frequency
Trichloroethene	MW 42	10/3/2018	0.2 U	-	-	-
Trichloroethene	MW 42	04/25/2019	0.1U	-	-	-
Trichloroethene	MW 42	11/03/2020	0.0072	-	-	-
Trichloroethene	MW 42	04/27/2022	0.1U	-	-	-
Trichloroethene	MW 42	10/10/2023	0.013	-	-	-
Trichloroethene	MW 46	10/24/2013	0.001 U	-	-	-
Trichloroethene	MW 46	10/23/2014	0.001 U	-	-	-
Trichloroethene	MW 46	10/13/2015	0.001 U	-	-	-
Trichloroethene	MW 46	10/22/2016	0.001 U	-	-	-
Trichloroethene	MW 46	10/10/2017	0.001 U	-	-	-
Trichloroethene	MW 46	10/3/2018	0.00015 J	-	-	-
Trichloroethene	MW 46	10/08/2019	0.001 U	-	-	-
Trichloroethene	MW 46	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 46	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW 46	10/10/2023	0.001 U	-	-	-
Trichloroethene	MW 49	10/16/2012	0.033 U	-	-	-
Trichloroethene	MW 49	4/12/2013	0.033 U	-	-	sampling frequency
Trichloroethene	MW 49	10/24/2013	0.033 U	-	-	-
Trichloroethene	MW 49	4/15/2014	0.00085 J	-	-	sampling frequency
Trichloroethene	MW 49	10/23/2014	0.033 U	-	-	-
Trichloroethene	MW 49	4/28/2015	0.033 U	-	-	sampling frequency
Trichloroethene	MW 49	10/13/2015	0.04 U	-	-	-
Trichloroethene	MW 49	4/19/2016	0.033 U	-	-	-
Trichloroethene	MW 49	4/9/2018	0.05 U	-	-	sampling frequency
Trichloroethene	MW 49	10/3/2018	0.047	-	-	-
Trichloroethene	MW 49	04/25/2019	0.029J	-	-	sampling frequency
Trichloroethene	MW 49	10/08/2019	0.05 U / 0.05 U	-	-	-
Trichloroethene	MW 49	11/03/2020	0.021J	-	-	-
Trichloroethene	MW 49	04/27/2022	0.088	-	-	-
Trichloroethene	MW 49	10/10/2023	0.11	-	-	-
Trichloroethene	MW 51	10/26/2010	0.24 J	-	-	-
Trichloroethene	MW 51	4/18/2011	0.18	-	-	-
Trichloroethene	MW 51	10/6/2011	0.21	-	-	-
Trichloroethene	MW 51	5/16/2012	0.18	-	-	sampling frequency
Trichloroethene	MW 51	10/16/2012	0.2	-	-	-
Trichloroethene	MW 51	4/12/2013	0.21	-	-	sampling frequency
Trichloroethene	MW 51	10/24/2013	0.19	-	-	-
Trichloroethene	MW 51	4/15/2014	0.16	-	-	sampling frequency
Trichloroethene	MW 51	10/23/2014	0.18	-	-	-
Trichloroethene	MW 51	4/28/2015	0.16/ 0.14	-	-	sampling frequency
Trichloroethene	MW 51	10/13/2015	0.16	-	-	-
Trichloroethene	MW 51	4/19/2016	0.15	-	-	sampling frequency
Trichloroethene	MW 51	10/22/2016	0.14	-	-	-
Trichloroethene	MW 51	4/18/2017	0.14	-	-	sampling frequency
Trichloroethene	MW 51	10/10/2017	0.15	-	-	-
Trichloroethene	MW 51	4/9/2018	0.087/ 0.097	-	-	sampling frequency
Trichloroethene	MW 51	10/3/2018	0.064	-	-	-

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Trichloroethene	MW 51	04/25/2019	0.046/0.052	-	-	-
Trichloroethene	MW 56	10/16/2012	0.001 U	-	-	-
Trichloroethene	MW 56	10/24/2013	0.001 U	-	-	-
Trichloroethene	MW 56	10/23/2014	0.001 U/ 0.001 U	-	-	-
Trichloroethene	MW 56	10/13/2015	0.001 U	-	-	-
Trichloroethene	MW 56	10/22/2016	0.001 U	-	-	-
Trichloroethene	MW 56	10/10/2017	0.001 U	-	-	-
Trichloroethene	MW 56	10/3/2018	0.001 U	-	-	-
Trichloroethene	MW 56	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 56	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW 56	10/10/2023	0.001 U	-	-	-
Trichloroethene	MW 57	10/16/2012	0.001 U	-	-	-
Trichloroethene	MW 57	10/24/2013	0.001 U	-	-	-
Trichloroethene	MW 57	10/23/2014	0.001 U	-	-	-
Trichloroethene	MW 57	10/13/2015	0.001 U	-	-	-
Trichloroethene	MW 57	10/22/2016	0.002 U	-	-	-
Trichloroethene	MW 57	10/10/2017	0.0033 U	-	-	-
Trichloroethene	MW 57	10/3/2018	0.001 U	-	-	-
Trichloroethene	MW 57	11/03/2020	0.05 U	-	-	-
Trichloroethene	MW 57	04/27/2022	0.04U	-	-	-
Trichloroethene	MW 57	10/10/2023	0.01 U	-	-	-
Trichloroethene	MW 58	10/16/2012	0.0057 U / 0.005 U	-	-	-
Trichloroethene	MW 58	10/24/2013	0.002 U	-	-	-
Trichloroethene	MW 58	10/23/2014	0.0033 U	-	-	-
Trichloroethene	MW 58	10/13/2015	0.005 U / 0.0057 U	-	-	-
Trichloroethene	MW 58	10/22/2016	0.05 U	-	-	-
Trichloroethene	MW 58	10/10/2017	0.05 U	-	-	-
Trichloroethene	MW 58	10/3/2018	0.2 U	-	-	-
Trichloroethene	MW 58	11/03/2020	0.14U / 0.14U	-	-	-
Trichloroethene	MW 58	04/27/2022	0.05 U	-	-	-
Trichloroethene	MW 58	10/10/2023	0.1 U / 0.1 U	-	-	-
Trichloroethene	MW 61	10/16/2012	0.001 U	-	-	-
Trichloroethene	MW 61	10/24/2013	0.001 U	-	-	-
Trichloroethene	MW 61	10/23/2014	0.001 U	-	-	-
Trichloroethene	MW 61	10/13/2015	0.001 U	-	-	-
Trichloroethene	MW 61	10/22/2016	0.001 U	-	-	-
Trichloroethene	MW 61	10/10/2017	0.001 U	-	-	-
Trichloroethene	MW 61	10/3/2018	0.001 U	-	-	-
Trichloroethene	MW 61	11/03/2020	0.001 U/ 0.001 U	-	-	-
Trichloroethene	MW 61	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW 61	10/10/2023	0.001 U/ 0.001 U	-	-	-
Trichloroethene	MW 64	10/16/2012	0.001 U / 0.001 U	-	-	-
Trichloroethene	MW 64	10/24/2013	0.0017 U	-	-	-
Trichloroethene	MW 64	10/23/2014	0.0067 U	-	-	-
Trichloroethene	MW 64	10/13/2015	0.01 U	-	-	-
Trichloroethene	MW 64	10/22/2016	0.0025 U	-	-	-
Trichloroethene	MW 64	10/10/2017	0.0067 U	-	-	-
Trichloroethene	MW 64	10/3/2018	0.01 U / 0.01 U	-	-	-
Trichloroethene	MW 64	11/03/2020	0.001 U/ 0.001 U	-	-	-
Trichloroethene	MW 64	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW 64	10/10/2023	0.001 U	-	-	-
Trichloroethene	MW 65	10/16/2012	0.014 U	-	-	-
Trichloroethene	MW 65	10/24/2013	0.0057 U	-	-	-

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Trichloroethene	MW 65	10/23/2014	0.002 U / 0.0017 U	-	-	-
Trichloroethene	MW 65	10/13/2015	0.002 U	-	-	-
Trichloroethene	MW 65	10/22/2016	0.001 U	-	-	-
Trichloroethene	MW 65	10/10/2017	0.001 U	-	-	-
Trichloroethene	MW 65	10/3/2018	0.00027 J	-	-	-
Trichloroethene	MW 65	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 65	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW 65	10/10/2023	0.001 U	-	-	-
Trichloroethene	MW 66	4/12/2013	0.017 U	-	-	sampling frequency
Trichloroethene	MW 66	10/24/2013	0.025 U	-	-	-
Trichloroethene	MW 66	4/15/2014	0.011 U	-	-	sampling frequency
Trichloroethene	MW 66	10/23/2014	0.02 U	-	-	-
Trichloroethene	MW 66	4/28/2015	0.025 U	-	-	sampling frequency
Trichloroethene	MW 66	10/13/2015	0.04 U	-	-	-
Trichloroethene	MW 66	4/19/2016	0.05 U	-	-	sampling frequency
Trichloroethene	MW 66	10/22/2016	0.1 U	-	-	-
Trichloroethene	MW 66	4/18/2017	0.063 U	-	-	sampling frequency
Trichloroethene	MW 66	10/10/2017	0.067 U	-	-	-
Trichloroethene	MW 66	4/9/2018	0.2 U	-	-	sampling frequency
Trichloroethene	MW 66	10/3/2018	0.2 U	-	-	-
Trichloroethene	MW 66	04/25/2019	0.1 U	-	-	-
Trichloroethene	MW 66	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 66	04/27/2022	0.1 U	-	-	-
Trichloroethene	MW 66	10/10/2023	0.04 U	-	-	-
Trichloroethene	MW 68	4/12/2013	1.9 / 2.1	-	-	sampling frequency
Trichloroethene	MW 68	10/24/2013	2 / 1.9 / 1.9	-	-	-
Trichloroethene	MW 68	4/15/2014	1.8	-	-	sampling frequency
Trichloroethene	MW 68	10/23/2014	1.5	-	-	-
Trichloroethene	MW 68	4/28/2015	1.5 / 1.5	-	-	sampling frequency
Trichloroethene	MW 68	10/13/2015	1.4 / 1.3	-	-	-
Trichloroethene	MW 68	4/19/2016	1	-	-	sampling frequency
Trichloroethene	MW 68	10/22/2016	1.7	-	-	-
Trichloroethene	MW 68	4/18/2017	1.5	-	-	sampling frequency
Trichloroethene	MW 68	10/10/2017	1.6	-	-	-
Trichloroethene	MW 68	4/9/2018	1.7	-	-	sampling frequency
Trichloroethene	MW 68	10/3/2018	1.4	-	-	-
Trichloroethene	MW 68	04/25/2019	1.4	-	-	-
Trichloroethene	MW 68	11/03/2020	1.1 / 1.2	-	-	-
Trichloroethene	MW 68	04/27/2022	0.97	-	-	-
Trichloroethene	MW 68	10/10/2023	1.2	-	-	-
Trichloroethene	MW 75	10/6/2011	0.001 U	-	-	-
Trichloroethene	MW 75	10/16/2012	0.001 U	-	-	-
Trichloroethene	MW 75	10/24/2013	0.001 U	-	-	-
Trichloroethene	MW 75	10/23/2014	0.001 U	-	-	-
Trichloroethene	MW 75	10/22/2016	0.001 U	-	-	-
Trichloroethene	MW 75	10/10/2017	0.001 U	-	-	-
Trichloroethene	MW 75	10/3/2018	0.001 U	-	-	-
Trichloroethene	MW 75	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 75	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW 75	10/10/2023	0.001 U	-	-	-
Trichloroethene	MW 76/MW 76R-17	10/15/2007	0.001 U	-	-	-
Trichloroethene	MW 76/MW 76R-17	10/26/2010	0.001 U	-	-	-
Trichloroethene	MW 76/MW 76R-17	10/6/2011	0.001 U / 0.001 U	-	-	-

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Trichloroethene	MW 76/MW 76R-17	10/16/2012	0.00021 J	-	-	-
Trichloroethene	MW 76/MW 76R-17	10/24/2013	0.001 U / 0.001 U	-	-	-
Trichloroethene	MW 76/MW 76R-17	10/23/2014	0.001 U	-	-	-
Trichloroethene	MW 76/MW 76R-17	10/10/2017	0.001 U	-	-	-
Trichloroethene	MW 76/MW 76R-17	10/3/2018	0.001 U	-	-	-
Trichloroethene	MW 76/MW 76R-17	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 76/MW 76R-17	10/10/2023	0.001 U	-	-	-
Trichloroethene	MW 79	4/12/2013	0.083 U	-	-	sampling frequency
Trichloroethene	MW 79	10/24/2013	0.05 U	-	-	-
Trichloroethene	MW 79	4/15/2014	0.1 U	-	-	sampling frequency
Trichloroethene	MW 79	10/23/2014	0.1 U / 0.1 U	-	-	-
Trichloroethene	MW 79	4/28/2015	0.1 U	-	-	sampling frequency
Trichloroethene	MW 79	10/13/2015	0.083 U	-	-	-
Trichloroethene	MW 79	4/19/2016	0.1 U	-	-	sampling frequency
Trichloroethene	MW 79	10/22/2016	0.1 U	-	-	-
Trichloroethene	MW 79	4/18/2017	0.063 U / 0.13 U	-	-	sampling frequency
Trichloroethene	MW 79	10/10/2017	0.05 U	-	-	-
Trichloroethene	MW 79	4/9/2018	0.1 U	-	-	sampling frequency
Trichloroethene	MW 79	10/3/2018	0.1 U	-	-	-
Trichloroethene	MW 79	04/25/2019	0.1U	-	-	-
Trichloroethene	MW 79	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 79	04/27/2022	0.1U	-	-	-
Trichloroethene	MW 79	10/10/2023	0.1 U	-	-	-
Trichloroethene	MW 80	10/16/2012	0.001 U	-	-	-
Trichloroethene	MW 80	10/24/2013	0.0017 U	-	-	-
Trichloroethene	MW 80	10/23/2014	0.001 U	-	-	-
Trichloroethene	MW 80	10/13/2015	0.0017 U	-	-	-
Trichloroethene	MW 80	10/22/2016	0.0018 U	-	-	-
Trichloroethene	MW 80	10/10/2017	0.002 U	-	-	-
Trichloroethene	MW 80	10/3/2018	0.002 U	-	-	-
Trichloroethene	MW 80	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 80	04/27/2022	0.004 U / 0.004 U	-	-	-
Trichloroethene	MW 80	10/10/2023	0.005 U	-	-	-
Trichloroethene	MW 81	10/16/2012	0.002 U	-	-	-
Trichloroethene	MW 81	10/24/2013	0.005 U	-	-	-
Trichloroethene	MW 81	10/23/2014	0.0067 U	-	-	-
Trichloroethene	MW 81	10/13/2015	0.008 U	-	-	-
Trichloroethene	MW 81	10/22/2016	0.005 U	-	-	-
Trichloroethene	MW 81	10/10/2017	0.0033 U	-	-	-
Trichloroethene	MW 81	10/3/2018	0.004 U	-	-	-
Trichloroethene	MW 81	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 81	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW 81	10/10/2023	0.001 U	-	-	-
Trichloroethene	MW 82	10/6/2011	0.001 U	-	-	-
Trichloroethene	MW 82	10/24/2013	0.00066 J	-	-	-
Trichloroethene	MW 82	10/23/2014	0.001 U	-	-	-
Trichloroethene	MW 82	10/13/2015	0.001 U	-	-	-
Trichloroethene	MW 82	10/22/2016	0.001 U	-	-	-
Trichloroethene	MW 82	10/10/2017	0.00097 J / 0.00096 J	-	-	-
Trichloroethene	MW 82	10/3/2018	0.00014 J / 0.00012 J	-	-	-
Trichloroethene	MW 82	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 82	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW 82	10/10/2023	0.001 U	-	-	-

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Trichloroethene	MW 83	10/24/2013	0.00023 J	-	-	-
Trichloroethene	MW 83	10/23/2014	0.001 U	-	-	-
Trichloroethene	MW 83	10/13/2015	0.001 U	-	-	-
Trichloroethene	MW 83	10/22/2016	0.001 U/ 0.001 U	-	-	-
Trichloroethene	MW 83	10/10/2017	0.00045 J	-	-	-
Trichloroethene	MW 83	10/3/2018	0.001 U	-	-	-
Trichloroethene	MW 83	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 83	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW 83	10/10/2023	0.001 U	-	-	-
Trichloroethene	MW 84	4/12/2013	0.001 U	-	-	sampling frequency
Trichloroethene	MW 84	10/24/2013	0.001 U	-	-	-
Trichloroethene	MW 84	4/15/2014	0.001 U	-	-	-
Trichloroethene	MW 84	10/13/2015	0.001 U	-	-	-
Trichloroethene	MW 84	10/22/2016	0.001 U	-	-	-
Trichloroethene	MW 84	10/10/2017	0.001 U	-	-	-
Trichloroethene	MW 84	10/3/2018	0.001 U	-	-	-
Trichloroethene	MW 84	10/08/2019	0.001 U	-	-	-
Trichloroethene	MW 84	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 84	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW 84	10/10/2023	0.001 U	-	-	-
Trichloroethene	MW 85	4/12/2013	0.067 U	-	-	sampling frequency
Trichloroethene	MW 85	10/24/2013	0.067 U	-	-	-
Trichloroethene	MW 85	4/15/2014	0.25 U	-	-	sampling frequency
Trichloroethene	MW 85	10/23/2014	0.25 U	-	-	-
Trichloroethene	MW 85	4/28/2015	0.5 U	-	-	sampling frequency
Trichloroethene	MW 85	10/13/2015	0.33 U	-	-	-
Trichloroethene	MW 85	4/19/2016	0.5 U/ 0.5 U	-	-	sampling frequency
Trichloroethene	MW 85	10/22/2016	0.56 U	-	-	-
Trichloroethene	MW 85	4/18/2017	0.33 U	-	-	sampling frequency
Trichloroethene	MW 85	10/10/2017	0.2 U	-	-	-
Trichloroethene	MW 85	4/9/2018	0.5 U	-	-	sampling frequency
Trichloroethene	MW 85	10/3/2018	0.5 U	-	-	-
Trichloroethene	MW 85	04/25/2019	0.2U	-	-	-
Trichloroethene	MW 85	11/03/2020	0.33U	-	-	-
Trichloroethene	MW 85	04/27/2022	0.1 U	-	-	-
Trichloroethene	MW 85	10/10/2023	0.05 U	-	-	-
Trichloroethene	MW 86	10/16/2012	0.001 U	-	-	-
Trichloroethene	MW 86	10/24/2013	0.001 U	-	-	-
Trichloroethene	MW 86	10/23/2014	0.001 U	-	-	-
Trichloroethene	MW 86	10/13/2015	0.001 U	-	-	-
Trichloroethene	MW 86	10/22/2016	0.001 U	-	-	-
Trichloroethene	MW 86	10/10/2017	0.001 U	-	-	-
Trichloroethene	MW 86	10/3/2018	0.001 U	-	-	-
Trichloroethene	MW 86	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 86	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW 86	10/10/2023	0.001 U	-	-	-
Trichloroethene	MW 88	10/16/2012	0.001 U	-	-	-
Trichloroethene	MW 88	10/24/2013	0.001 U	-	-	-
Trichloroethene	MW 88	10/23/2014	0.001 U	-	-	-
Trichloroethene	MW 88	10/13/2015	0.001 U/ 0.001 U	-	-	-
Trichloroethene	MW 88	10/22/2016	0.001 U/ 0.001 U	-	-	-
Trichloroethene	MW 88	10/10/2017	0.001 U	-	-	-
Trichloroethene	MW 88	10/3/2018	0.001 U/ 0.001 U	-	-	-

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Trichloroethene	MW 88	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 88	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW 88	10/10/2023	0.00097 J	-	-	-
Trichloroethene	MW 89-11	4/12/2013	0.001 U/ 0.001 U	-	-	sampling frequency
Trichloroethene	MW 89-11	10/24/2013	0.001 U	-	-	-
Trichloroethene	MW 89-11	10/23/2014	0.001 U	-	-	-
Trichloroethene	MW 89-11	4/28/2015	0.001 U	-	-	sampling frequency
Trichloroethene	MW 89-11	10/13/2015	0.001 U	-	-	-
Trichloroethene	MW 89-11	4/19/2016	0.001 U/ 0.001 U	-	-	sampling frequency
Trichloroethene	MW 89-11	10/22/2016	0.001 U/ 0.001 U	-	-	-
Trichloroethene	MW 89-11	4/18/2017	0.00036 J	-	-	sampling frequency
Trichloroethene	MW 89-11	10/10/2017	0.001 U	-	-	-
Trichloroethene	MW 89-11	4/9/2018	0.001 U	-	-	sampling frequency
Trichloroethene	MW 89-11	10/3/2018	0.001 U	-	-	-
Trichloroethene	MW 89-11	04/25/2019	0.001 U	-	-	-
Trichloroethene	MW 89-11	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW 89-11	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW 89-11	10/10/2023	0.001 U	-	-	-
Trichloroethene	MW97R-16	10/22/2016	0.001 U	-	-	-
Trichloroethene	MW97R-16	10/10/2017	0.001 U	-	-	-
Trichloroethene	MW97R-16	10/3/2018	0.001 U	-	-	-
Trichloroethene	MW97R-16	11/03/2020	0.001 U	-	-	-
Trichloroethene	MW97R-16	04/27/2022	0.001 U	-	-	-
Trichloroethene	MW97R-16	10/10/2023	0.001 U	-	-	-
Trichloroethene	Pond Intake	4/12/2013	0.001 U	-	-	sampling frequency
Trichloroethene	Pond Intake	7/17/2013	0.001 U	-	-	sampling frequency
Trichloroethene	Pond Intake	10/24/2013	0.001 U	-	-	-
Trichloroethene	Pond Intake	7/17/2014	0.001 U/ 0.001 U	-	-	sampling frequency
Trichloroethene	Pond Intake	10/23/2014	0.001 U	-	-	-
Trichloroethene	Pond Intake	4/28/2015	0.0013 U	-	-	sampling frequency
Trichloroethene	Pond Intake	7/10/2015	0.0033 U/ 0.004 U	-	-	sampling frequency
Trichloroethene	Pond Intake	10/13/2015	0.001 U	-	-	-
Trichloroethene	Pond Intake	4/19/2016	0.0025 U	-	-	sampling frequency
Trichloroethene	Pond Intake	7/19/2016	0.0017 U	-	-	sampling frequency
Trichloroethene	Pond Intake	10/22/2016	0.0018 U / 0.002 U	-	-	-
Trichloroethene	Pond Intake	4/18/2017	0.0017 U	-	-	sampling frequency
Trichloroethene	Pond Intake	7/12/2017	0.0073	-	-	sampling frequency
Trichloroethene	Pond Intake	10/10/2017	0.002 U	-	-	-
Trichloroethene	Pond Intake	4/9/2018	0.005 U	-	-	sampling frequency
Trichloroethene	Pond Intake	7/5/2018	0.0033 U/ 0.0033 U	-	-	sampling frequency
Trichloroethene	Pond Intake	10/3/2018	0.005 U	-	-	-
Trichloroethene	Pond Intake	04/25/2019	0.001J /0.0009 J	-	-	sampling frequency
Trichloroethene	Pond Intake	10/08/2019	0.0017U	-	-	-
Trichloroethene	Pond Intake	11/03/2020	0.0025U	-	-	-
Trichloroethene	Pond Intake	04/27/2022	0.001 U	-	-	-
Trichloroethene	Pond Intake	10/10/2023	0.0033 U	-	-	-
Trichloroethene	Pond North	4/12/2013	0.001 U	-	-	sampling frequency
Trichloroethene	Pond North	7/17/2013	0.001 U/ 0.001 U	-	-	sampling frequency
Trichloroethene	Pond North	10/24/2013	0.001 U	-	-	-
Trichloroethene	Pond North	7/17/2014	0.01 U	-	-	sampling frequency
Trichloroethene	Pond North	10/23/2014	0.008 U	-	-	-
Trichloroethene	Pond North	4/28/2015	0.008 U	-	-	sampling frequency
Trichloroethene	Pond North	7/10/2015	0.0033 U	-	-	sampling frequency

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Trichloroethene	Pond North	10/13/2015	0.0014 U	-	-	-
Trichloroethene	Pond North	4/19/2016	0.033 U	-	-	sampling frequency
Trichloroethene	Pond North	7/19/2016	0.0025 U / 0.0025 U	-	-	sampling frequency
Trichloroethene	Pond North	10/22/2016	0.033 U	-	-	-
Trichloroethene	Pond North	4/18/2017	0.0067 U	-	-	sampling frequency
Trichloroethene	Pond North	7/12/2017	0.0071/0.0073	-	-	sampling frequency
Trichloroethene	Pond North	10/10/2017	0.01 U	-	-	-
Trichloroethene	Pond North	4/9/2018	0.011 U / 0.01 U	-	-	sampling frequency
Trichloroethene	Pond North	7/5/2018	0.0063 U	-	-	sampling frequency
Trichloroethene	Pond North	10/3/2018	0.0067 U / 0.0067 U	-	-	-
Trichloroethene	Pond North	04/25/2019	0.0011J	-	-	sampling frequency
Trichloroethene	Pond North	10/08/2019	0.005 U / 0.005 U	-	-	-
Trichloroethene	Pond North	11/03/2020	0.01 U / 0.01 U	-	-	-
Trichloroethene	Pond North	04/27/2022	0.002 U / 0.002 U	-	-	-
Trichloroethene	Pond North	10/10/2023	0.005 U / 0.005 U	-	-	-
cis-1,2-Dichloroethene	MW-2	10/16/2012	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW-2	10/29/2013	0.001 U / 0.001 U	-	-	-
cis-1,2-Dichloroethene	MW-2	10/27/2014	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW-2	10/14/2015	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW-2	10/21/2016	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW-2	10/10/2017	0.0014	-	-	-
cis-1,2-Dichloroethene	MW-2	10/10/2018	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW-2	11/03/2020	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW-2	04/27/2022	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW-2	10/10/2023	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 3	4/12/2013	6.2	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 3	10/29/2013	1 / 0.93	-	-	-
cis-1,2-Dichloroethene	MW 3	4/15/2014	4.7	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 3	10/27/2014	1	-	-	-
cis-1,2-Dichloroethene	MW 3	4/28/2015	4.5	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 3	10/14/2015	1.4	-	-	-
cis-1,2-Dichloroethene	MW 3	4/20/2016	7.4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 3	10/21/2016	1.9	-	-	-
cis-1,2-Dichloroethene	MW 3	4/18/2017	7.4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 3	10/10/2017	1.6	-	-	-
cis-1,2-Dichloroethene	MW 3	4/11/2018	3.2	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 3	10/10/2018	4.8	-	-	-
cis-1,2-Dichloroethene	MW 3	04/25/2019	2.5	-	-	-
cis-1,2-Dichloroethene	MW 3	11/03/2020	0.63	-	-	-
cis-1,2-Dichloroethene	MW 3	04/27/2022	5.5 / 5.7	-	-	-
cis-1,2-Dichloroethene	MW 3	10/10/2023	0.21	-	-	-
cis-1,2-Dichloroethene	MW-4	4/12/2013	12	-	-	sampling frequency
cis-1,2-Dichloroethene	MW-4	10/29/2013	14	-	-	-
cis-1,2-Dichloroethene	MW-4	4/15/2014	13 / 13	-	-	sampling frequency
cis-1,2-Dichloroethene	MW-4	10/27/2014	12	-	-	-
cis-1,2-Dichloroethene	MW-4	4/28/2015	10	-	-	sampling frequency
cis-1,2-Dichloroethene	MW-4	10/14/2015	12	-	-	-
cis-1,2-Dichloroethene	MW-4	4/20/2016	9.4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW-4	10/21/2016	7.9	-	-	-
cis-1,2-Dichloroethene	MW-4	4/18/2017	8.6	-	-	sampling frequency
cis-1,2-Dichloroethene	MW-4	10/10/2017	8.6 / 8	-	-	-
cis-1,2-Dichloroethene	MW-4	4/11/2018	8.8 / 8.3	-	-	sampling frequency

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cis-1,2-Dichloroethene	MW-4	10/10/2018	8.9	-	-	-
cis-1,2-Dichloroethene	MW-4	04/25/2019	6.8	-	-	-
cis-1,2-Dichloroethene	MW-4	11/03/2020	7.8	-	-	-
cis-1,2-Dichloroethene	MW-4	04/27/2022	5.9 / 5.6	-	-	-
cis-1,2-Dichloroethene	MW-4	10/10/2023	4.5	-	-	-
cis-1,2-Dichloroethene	MW-7	10/27/2014	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW-7	10/10/2017	0.001 U / 0.001 U	-	-	-
cis-1,2-Dichloroethene	MW-7	10/10/2018	0.00018 J / 0.001 U	-	-	-
cis-1,2-Dichloroethene	MW-7	11/03/2020	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW-7	04/27/2022	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW-7	10/10/2023	0.00081 J	-	-	-
cis-1,2-Dichloroethene	MW 8	4/12/2013	3.5	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 8	10/29/2013	4.2	-	-	-
cis-1,2-Dichloroethene	MW 8	4/15/2014	9.3	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 8	10/27/2014	4.4	-	-	-
cis-1,2-Dichloroethene	MW 8	4/28/2015	3.8	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 8	10/14/2015	4.8	-	-	-
cis-1,2-Dichloroethene	MW 8	4/20/2016	4.9 / 4.9	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 8	10/21/2016	4.3	-	-	-
cis-1,2-Dichloroethene	MW 8	4/18/2017	3.1	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 8	10/10/2017	4	-	-	-
cis-1,2-Dichloroethene	MW 8	4/11/2018	3.6	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 8	10/10/2018	2.2	-	-	-
cis-1,2-Dichloroethene	MW 8	04/25/2019	1.4	-	-	-
cis-1,2-Dichloroethene	MW 8	11/03/2020	2.2	-	-	-
cis-1,2-Dichloroethene	MW 8	04/27/2022	0.95	-	-	-
cis-1,2-Dichloroethene	MW 8	10/10/2023	1.7	-	-	-
cis-1,2-Dichloroethene	MW 12	4/12/2013	0.21	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 12	10/29/2013	0.24	-	-	-
cis-1,2-Dichloroethene	MW 12	4/15/2014	0.21	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 12	10/27/2014	0.16 / 0.15	-	-	-
cis-1,2-Dichloroethene	MW 12	4/28/2015	0.13	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 12	10/14/2015	0.08	-	-	-
cis-1,2-Dichloroethene	MW 12	4/20/2016	0.13	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 12	10/21/2016	0.12	-	-	-
cis-1,2-Dichloroethene	MW 12	4/18/2017	0.11	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 12	10/10/2017	0.1	-	-	-
cis-1,2-Dichloroethene	MW 12	4/11/2018	0.1	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 12	10/10/2018	0.08	-	-	-
cis-1,2-Dichloroethene	MW 12	04/25/2019	0.09	-	-	-
cis-1,2-Dichloroethene	MW 12	11/03/2020	0.072	-	-	-
cis-1,2-Dichloroethene	MW 12	04/27/2022	0.056	-	-	-
cis-1,2-Dichloroethene	MW 12	10/10/2023	0.056	-	-	-
cis-1,2-Dichloroethene	MW 14	4/12/2013	3.9 / 3.6	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 14	10/29/2013	5 / 6.1	-	-	-
cis-1,2-Dichloroethene	MW 14	4/15/2014	5.5 / 5.7	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 14	10/27/2014	4.9	-	-	-
cis-1,2-Dichloroethene	MW 14	4/28/2015	4.5 / 4.8	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 14	10/14/2015	4.7	-	-	-
cis-1,2-Dichloroethene	MW 14	4/20/2016	4.4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 14	10/21/2016	4.4	-	-	-
cis-1,2-Dichloroethene	MW 14	4/18/2017	4.1 / 3.9	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 14	10/10/2017	4.1/4	-	-	-

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cis-1,2-Dichloroethene	MW 14	4/11/2018	4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 14	10/10/2018	4.1	-	-	-
cis-1,2-Dichloroethene	MW 14	04/25/2019	3.2	-	-	-
cis-1,2-Dichloroethene	MW 14	11/03/2020	3B	-	-	-
cis-1,2-Dichloroethene	MW 14	04/27/2022	3.2 / 3.2	-	-	-
cis-1,2-Dichloroethene	MW 14	10/10/2023	3.2 / 3.1	-	-	-
cis-1,2-Dichloroethene	MW 15	2/18/2008	19	-	-	-
cis-1,2-Dichloroethene	MW 15	10/29/2013	12	-	-	-
cis-1,2-Dichloroethene	MW 15	10/27/2014	6.3	-	-	-
cis-1,2-Dichloroethene	MW 15	10/14/2015	4.4	-	-	-
cis-1,2-Dichloroethene	MW 15	10/21/2016	1.7	-	-	-
cis-1,2-Dichloroethene	MW 15	10/10/2017	3.5	-	-	-
cis-1,2-Dichloroethene	MW 15	10/10/2018	5.4	-	-	-
cis-1,2-Dichloroethene	MW 15	11/03/2020	1.9	-	-	-
cis-1,2-Dichloroethene	MW 15	04/27/2022	11	-	-	-
cis-1,2-Dichloroethene	MW 15	10/10/2023	5.1	-	-	-
cis-1,2-Dichloroethene	MW 16	10/29/2013	0.00031 J	-	-	-
cis-1,2-Dichloroethene	MW 16	4/15/2014	0.001 U	-	high DL	-
cis-1,2-Dichloroethene	MW 16	10/14/2015	0.00026 J	-	-	-
cis-1,2-Dichloroethene	MW 16	10/21/2016	0.001 U	-	high DL	-
cis-1,2-Dichloroethene	MW 16	10/10/2017	0.0019	-	-	-
cis-1,2-Dichloroethene	MW 16	10/10/2018	0.005 U	-	high DL	-
cis-1,2-Dichloroethene	MW 16	10/08/2019	9.6	-	-	-
cis-1,2-Dichloroethene	MW 16	11/03/2020	5.6B	-	-	-
cis-1,2-Dichloroethene	MW 16	04/27/2022	2.5	-	-	-
cis-1,2-Dichloroethene	MW 16	10/10/2023	3.3	-	-	-
cis-1,2-Dichloroethene	MW 21	2/1/2005	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 21	10/19/2005	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 21	2/1/2006	0.00092 J	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 21	4/18/2006	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 21	7/18/2006	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 21	10/17/2006	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 21	1/24/2007	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 21	4/16/2007	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 21	7/10/2007	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 21	10/17/2007	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 21	10/14/2015	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 21	10/21/2016	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 21	10/10/2017	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 21	10/10/2018	0.00046 J	-	-	-
cis-1,2-Dichloroethene	MW 21	11/03/2020	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 21	04/27/2022	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 21	10/10/2023	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 28	4/12/2013	0.13	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 28	10/29/2013	0.31	-	-	-
cis-1,2-Dichloroethene	MW 28	4/15/2014	0.56 / 0.57	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 28	10/27/2014	0.56	-	-	-
cis-1,2-Dichloroethene	MW 28	4/28/2015	0.6	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 28	10/14/2015	0.86	-	-	-
cis-1,2-Dichloroethene	MW 28	4/20/2016	0.77	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 28	10/21/2016	0.86	-	-	-
cis-1,2-Dichloroethene	MW 28	4/18/2017	0.85	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 28	10/10/2017	0.92	-	-	-

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cis-1,2-Dichloroethene	MW 28	4/11/2018	0.97	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 28	10/10/2018	1 / 1	-	-	-
cis-1,2-Dichloroethene	MW 28	04/25/2019	1	-	-	-
cis-1,2-Dichloroethene	MW 28	11/03/2020	1.3	-	-	-
cis-1,2-Dichloroethene	MW 28	04/27/2022	2.1	-	-	-
cis-1,2-Dichloroethene	MW 28	10/10/2023	1.9	-	-	-
cis-1,2-Dichloroethene	MW 31R	4/12/2013	8.3	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 31R	10/29/2013	7.2	-	-	-
cis-1,2-Dichloroethene	MW 31R	4/15/2014	12	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 31R	10/27/2014	7.3	-	-	-
cis-1,2-Dichloroethene	MW 31R	4/28/2015	11	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 31R	10/14/2015	6.6	-	-	-
cis-1,2-Dichloroethene	MW 31R	4/20/2016	15	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 31R	10/21/2016	18 / 18	-	-	-
cis-1,2-Dichloroethene	MW 31R	4/18/2017	18	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 31R	10/10/2017	69	-	-	-
cis-1,2-Dichloroethene	MW 31R	4/11/2018	20	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 31R	10/10/2018	33 / 32	-	-	-
cis-1,2-Dichloroethene	MW 31R	04/25/2019	95	-	-	-
cis-1,2-Dichloroethene	MW 31R	11/03/2020	16	-	-	-
cis-1,2-Dichloroethene	MW 31R	04/27/2022	66	-	-	-
cis-1,2-Dichloroethene	MW 31R	10/10/2023	32	-	-	-
cis-1,2-Dichloroethene	MW 37	10/16/2012	0.001 U / 0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 37	10/29/2013	0.0011	-	-	-
cis-1,2-Dichloroethene	MW 37	10/27/2014	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 37	10/14/2015	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 37	10/21/2016	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 37	10/10/2017	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 37	10/10/2018	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 37	11/03/2020	ND(0.001)J	-	-	-
cis-1,2-Dichloroethene	MW 37	04/27/2022	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 37	10/10/2023	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 40	4/12/2013	7.9	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 40	10/29/2013	8.1	-	-	-
cis-1,2-Dichloroethene	MW 40	4/15/2014	11	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 40	10/27/2014	7.2	-	-	-
cis-1,2-Dichloroethene	MW 40	4/28/2015	7.5	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 40	10/14/2015	6.3	-	-	-
cis-1,2-Dichloroethene	MW 40	4/20/2016	7	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 40	10/21/2016	5	-	-	-
cis-1,2-Dichloroethene	MW 40	4/18/2017	5.4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 40	10/10/2017	5.4 / 5.5	-	-	-
cis-1,2-Dichloroethene	MW 40	4/11/2018	5.8	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 40	10/10/2018	5.4	-	-	-
cis-1,2-Dichloroethene	MW 40	04/25/2019	4.6	-	-	-
cis-1,2-Dichloroethene	MW 40	11/03/2020	3.1	-	-	-
cis-1,2-Dichloroethene	MW 40	04/27/2022	4.5	-	-	-
cis-1,2-Dichloroethene	MW 40	10/10/2023	3.5	-	-	-
cis-1,2-Dichloroethene	MW 41	4/12/2013	6.3	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 41	10/29/2013	7.2	-	-	-
cis-1,2-Dichloroethene	MW 41	4/15/2014	7.6	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 41	10/27/2014	7.3	-	-	-
cis-1,2-Dichloroethene	MW 41	4/28/2015	6.4	-	-	sampling frequency

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cis-1,2-Dichloroethene	MW 41	10/14/2015	6.5 / 6.2	-	-	-
cis-1,2-Dichloroethene	MW 41	4/20/2016	6.4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 41	10/21/2016	5.2	-	-	-
cis-1,2-Dichloroethene	MW 41	4/18/2017	6	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 41	10/10/2017	5.4	-	-	-
cis-1,2-Dichloroethene	MW 41	4/11/2018	5.8	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 41	10/10/2018	4.8	-	-	-
cis-1,2-Dichloroethene	MW 41	04/25/2019	5.1 / 5.1	-	-	-
cis-1,2-Dichloroethene	MW 41	11/03/2020	4.2B	-	-	-
cis-1,2-Dichloroethene	MW 41	04/27/2022	2.9	-	-	-
cis-1,2-Dichloroethene	MW 41	10/10/2023	3.8	-	-	-
cis-1,2-Dichloroethene	MW 42	4/12/2013	5.2	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 42	10/29/2013	5.2	-	-	-
cis-1,2-Dichloroethene	MW 42	4/15/2014	5.6	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 42	10/27/2014	4.3	-	-	-
cis-1,2-Dichloroethene	MW 42	4/28/2015	4.1	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 42	10/14/2015	4.4	-	-	-
cis-1,2-Dichloroethene	MW 42	4/20/2016	4.1	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 42	10/21/2016	3.2	-	-	-
cis-1,2-Dichloroethene	MW 42	4/18/2017	2.9	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 42	10/10/2017	3.7	-	-	-
cis-1,2-Dichloroethene	MW 42	4/11/2018	3.9	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 42	10/10/2018	3.5	-	-	-
cis-1,2-Dichloroethene	MW 42	04/25/2019	2.4	-	-	-
cis-1,2-Dichloroethene	MW 42	11/03/2020	2.9B	-	-	-
cis-1,2-Dichloroethene	MW 42	04/27/2022	3.2	-	-	-
cis-1,2-Dichloroethene	MW 42	10/10/2023	2.7	-	-	-
cis-1,2-Dichloroethene	MW 46	10/29/2013	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 46	10/27/2014	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 46	10/14/2015	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 46	10/21/2016	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 46	10/10/2017	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 46	10/10/2018	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 46	10/08/2019	0.0005J	-	-	-
cis-1,2-Dichloroethene	MW 46	11/03/2020	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 46	04/27/2022	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 46	10/10/2023	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 49	10/16/2012	0.78	-	-	-
cis-1,2-Dichloroethene	MW 49	4/12/2013	0.74	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 49	10/29/2013	0.9	-	-	-
cis-1,2-Dichloroethene	MW 49	4/15/2014	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 49	10/27/2014	0.78	-	-	-
cis-1,2-Dichloroethene	MW 49	4/28/2015	0.71	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 49	10/14/2015	0.86	-	-	-
cis-1,2-Dichloroethene	MW 49	4/20/2016	0.83	-	-	-
cis-1,2-Dichloroethene	MW 49	4/11/2018	0.89	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 49	10/10/2018	0.89	-	-	-
cis-1,2-Dichloroethene	MW 49	04/25/2019	0.83	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 49	10/08/2019	0.69 / 0.70	-	-	-
cis-1,2-Dichloroethene	MW 49	11/03/2020	0.6	-	-	-
cis-1,2-Dichloroethene	MW 49	04/27/2022	0.43	-	-	-
cis-1,2-Dichloroethene	MW 49	10/10/2023	0.38	-	-	-
cis-1,2-Dichloroethene	MW 51	10/27/2010	0.0096 J	-	-	-

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cis-1,2-Dichloroethene	MW 51	4/18/2011	0.0067 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 51	10/5/2011	0.0078 J	-	-	-
cis-1,2-Dichloroethene	MW 51	5/15/2012	0.0065	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 51	10/16/2012	0.0099	-	-	-
cis-1,2-Dichloroethene	MW 51	4/12/2013	0.0076 J	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 51	10/29/2013	0.0075	-	-	-
cis-1,2-Dichloroethene	MW 51	4/15/2014	0.0071	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 51	10/27/2014	0.0077	-	-	-
cis-1,2-Dichloroethene	MW 51	4/28/2015	0.0077 / 0.0078	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 51	10/14/2015	0.0083	-	-	-
cis-1,2-Dichloroethene	MW 51	4/20/2016	0.011	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 51	10/21/2016	0.012	-	-	-
cis-1,2-Dichloroethene	MW 51	4/18/2017	0.015	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 51	10/10/2017	0.028	-	-	-
cis-1,2-Dichloroethene	MW 51	4/11/2018	0.032 / 0.034	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 51	10/10/2018	0.079	-	-	-
cis-1,2-Dichloroethene	MW 51	04/25/2019	0.15/0.16	-	-	-
cis-1,2-Dichloroethene	MW 56	5/15/2012	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 56	10/29/2013	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 56	10/27/2014	0.0002 J / 0.00021 J	-	-	-
cis-1,2-Dichloroethene	MW 56	10/14/2015	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 56	10/21/2016	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 56	10/10/2017	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 56	10/10/2018	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 56	11/03/2020	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 56	04/27/2022	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 56	10/10/2023	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 57	5/15/2012	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 57	10/29/2013	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 57	10/27/2014	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 57	10/14/2015	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 57	10/21/2016	0.0042	-	-	-
cis-1,2-Dichloroethene	MW 57	10/10/2017	0.0033 U	-	-	-
cis-1,2-Dichloroethene	MW 57	10/10/2018	0.0082 U	-	-	-
cis-1,2-Dichloroethene	MW 57	11/03/2020	0.18	-	-	-
cis-1,2-Dichloroethene	MW 57	04/27/2022	0.04 U	-	-	-
cis-1,2-Dichloroethene	MW 57	10/10/2023	0.15	-	-	-
cis-1,2-Dichloroethene	MW 58	5/15/2012	0.008 U	-	-	-
cis-1,2-Dichloroethene	MW 58	10/29/2013	0.002 U	-	-	-
cis-1,2-Dichloroethene	MW 58	10/27/2014	0.0033 U	-	-	-
cis-1,2-Dichloroethene	MW 58	10/14/2015	0.028 / 0.028	-	-	-
cis-1,2-Dichloroethene	MW 58	10/21/2016	1.1	-	-	-
cis-1,2-Dichloroethene	MW 58	10/10/2017	2.2	-	-	-
cis-1,2-Dichloroethene	MW 58	10/10/2018	3	-	-	-
cis-1,2-Dichloroethene	MW 58	11/03/2020	2.9/2.9	-	-	-
cis-1,2-Dichloroethene	MW 58	04/27/2022	2.5	-	-	-
cis-1,2-Dichloroethene	MW 58	10/10/2023	2.7	-	-	-
cis-1,2-Dichloroethene	MW 61	5/15/2012	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 61	10/29/2013	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 61	10/27/2014	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 61	10/14/2015	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 61	10/21/2016	0.00035 J	-	-	-
cis-1,2-Dichloroethene	MW 61	10/10/2017	0.001 U	-	-	-

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cis-1,2-Dichloroethene	MW 61	10/10/2018	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 61	11/03/2020	0.001 UJB/0.001 UJB	-	-	-
cis-1,2-Dichloroethene	MW 61	04/27/2022	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 61	10/10/2023	0.001 U/ 0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 64	5/15/2012	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 64	10/29/2013	0.025	-	-	-
cis-1,2-Dichloroethene	MW 64	10/27/2014	0.22	-	-	-
cis-1,2-Dichloroethene	MW 64	10/14/2015	0.25	-	-	-
cis-1,2-Dichloroethene	MW 64	10/21/2016	0.062	-	-	-
cis-1,2-Dichloroethene	MW 64	10/10/2017	0.23	-	-	-
cis-1,2-Dichloroethene	MW 64	10/10/2018	0.21 / 0.21	-	-	-
cis-1,2-Dichloroethene	MW 64	11/03/2020	0.31B/0.32B	-	-	-
cis-1,2-Dichloroethene	MW 64	04/27/2022	0.009	-	-	-
cis-1,2-Dichloroethene	MW 64	10/10/2023	0.31	-	-	-
cis-1,2-Dichloroethene	MW 65	5/15/2012	0.97	-	-	-
cis-1,2-Dichloroethene	MW 65	10/29/2013	0.21	-	-	-
cis-1,2-Dichloroethene	MW 65	10/27/2014	0.053 / 0.064	-	-	-
cis-1,2-Dichloroethene	MW 65	10/14/2015	0.051	-	-	-
cis-1,2-Dichloroethene	MW 65	10/21/2016	0.028	-	-	-
cis-1,2-Dichloroethene	MW 65	10/10/2017	0.02	-	-	-
cis-1,2-Dichloroethene	MW 65	10/10/2018	0.015	-	-	-
cis-1,2-Dichloroethene	MW 65	11/03/2020	0.0082B	-	-	-
cis-1,2-Dichloroethene	MW 65	04/27/2022	0.0035	-	-	-
cis-1,2-Dichloroethene	MW 65	10/10/2023	0.0058	-	-	-
cis-1,2-Dichloroethene	MW 66	4/12/2013	0.36	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 66	10/29/2013	0.9	-	-	-
cis-1,2-Dichloroethene	MW 66	4/15/2014	0.28	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 66	10/27/2014	0.53	-	-	-
cis-1,2-Dichloroethene	MW 66	4/28/2015	0.45	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 66	10/14/2015	1	-	-	-
cis-1,2-Dichloroethene	MW 66	4/20/2016	1.1	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 66	10/21/2016	1.8	-	-	-
cis-1,2-Dichloroethene	MW 66	4/18/2017	2.2	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 66	10/10/2017	3	-	-	-
cis-1,2-Dichloroethene	MW 66	4/11/2018	2.6	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 66	10/10/2018	3.4	-	-	-
cis-1,2-Dichloroethene	MW 66	04/25/2019	3.3	-	-	-
cis-1,2-Dichloroethene	MW 66	11/03/2020	2.3B	-	-	-
cis-1,2-Dichloroethene	MW 66	04/27/2022	2	-	-	-
cis-1,2-Dichloroethene	MW 66	10/10/2023	1.3/1.3	-	-	-
cis-1,2-Dichloroethene	MW 68	4/12/2013	6.1/ 6.4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 68	10/29/2013	7 / 6.7 / 6.5	-	-	-
cis-1,2-Dichloroethene	MW 68	4/15/2014	6.3	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 68	10/27/2014	5.5	-	-	-
cis-1,2-Dichloroethene	MW 68	4/28/2015	5.8/ 5.9	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 68	10/14/2015	5.1 / 4.9	-	-	-
cis-1,2-Dichloroethene	MW 68	4/20/2016	4.5	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 68	10/21/2016	3.5	-	-	-
cis-1,2-Dichloroethene	MW 68	4/18/2017	3.7	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 68	10/10/2017	4.2	-	-	-
cis-1,2-Dichloroethene	MW 68	4/11/2018	3.7	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 68	10/10/2018	4.4	-	-	-
cis-1,2-Dichloroethene	MW 68	04/25/2019	4.4	-	-	-

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cis-1,2-Dichloroethene	MW 68	11/03/2020	3 / 3	-	-	-
cis-1,2-Dichloroethene	MW 68	04/27/2022	3.2	-	-	-
cis-1,2-Dichloroethene	MW 68	10/10/2023	3.5	-	-	-
cis-1,2-Dichloroethene	MW 75	4/18/2011	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 75	5/15/2012	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 75	10/29/2013	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 75	10/27/2014	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 75	10/21/2016	0.0007 J	-	-	-
cis-1,2-Dichloroethene	MW 75	10/10/2017	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 75	10/10/2018	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 75	11/03/2020	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 75	04/27/2022	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 75	10/10/2023	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 76/MW 76R-17	11/9/2007	0.00019 J	-	-	-
cis-1,2-Dichloroethene	MW 76/MW 76R-17	4/18/2011	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 76/MW 76R-17	5/15/2012	0.001 U / 0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 76/MW 76R-17	10/29/2013	0.00043 J / 0.00036 J	-	-	-
cis-1,2-Dichloroethene	MW 76/MW 76R-17	10/27/2014	0.00043 J	-	-	-
cis-1,2-Dichloroethene	MW 76/MW 76R-17	10/10/2017	0.0027	-	-	-
cis-1,2-Dichloroethene	MW 76/MW 76R-17	10/10/2018	0.0028	-	-	-
cis-1,2-Dichloroethene	MW 76/MW 76R-17	11/03/2020	0.0032B	-	-	-
cis-1,2-Dichloroethene	MW 76/MW 76R-17	10/10/2023	0.001 U/ 0.01	-	-	-
cis-1,2-Dichloroethene	MW 79	4/12/2013	1.9	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 79	10/29/2013	2.6	-	-	-
cis-1,2-Dichloroethene	MW 79	4/15/2014	2.9	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 79	10/27/2014	2.4 / 2.5	-	-	-
cis-1,2-Dichloroethene	MW 79	4/28/2015	2.4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 79	10/14/2015	2	-	-	-
cis-1,2-Dichloroethene	MW 79	4/20/2016	2.4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 79	10/21/2016	2.1	-	-	-
cis-1,2-Dichloroethene	MW 79	4/18/2017	2.3/2.3	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 79	10/10/2017	2.5	-	-	-
cis-1,2-Dichloroethene	MW 79	4/11/2018	3.5	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 79	10/10/2018	2.4	-	-	-
cis-1,2-Dichloroethene	MW 79	04/25/2019	2.2	-	-	-
cis-1,2-Dichloroethene	MW 79	11/03/2020	1.5B	-	-	-
cis-1,2-Dichloroethene	MW 79	04/27/2022	2.1	-	-	-
cis-1,2-Dichloroethene	MW 79	10/10/2023	2.6	-	-	-
cis-1,2-Dichloroethene	MW 80	10/29/2013	0.0017 U	-	high DL	-
cis-1,2-Dichloroethene	MW 80	10/27/2014	0.001 U	-	high DL	-
cis-1,2-Dichloroethene	MW 80	10/14/2015	0.0012 J	-	-	-
cis-1,2-Dichloroethene	MW 80	10/21/2016	0.025	-	-	-
cis-1,2-Dichloroethene	MW 80	10/10/2017	0.0086	-	-	-
cis-1,2-Dichloroethene	MW 80	10/10/2018	0.015	-	-	-
cis-1,2-Dichloroethene	MW 80	11/03/2020	0.013B	-	-	-
cis-1,2-Dichloroethene	MW 80	04/27/2022	0.0064/0.007	-	-	-
cis-1,2-Dichloroethene	MW 80	10/10/2023	0.24	-	-	-
cis-1,2-Dichloroethene	MW 81	5/15/2012	0.019	-	-	-
cis-1,2-Dichloroethene	MW 81	10/29/2013	0.15	-	-	-
cis-1,2-Dichloroethene	MW 81	10/27/2014	0.17	-	-	-
cis-1,2-Dichloroethene	MW 81	10/14/2015	0.19	-	-	-
cis-1,2-Dichloroethene	MW 81	10/21/2016	0.077	-	-	-
cis-1,2-Dichloroethene	MW 81	10/10/2017	0.096	-	-	-

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cis-1,2-Dichloroethene	MW 81	10/10/2018	0.078	-	-	-
cis-1,2-Dichloroethene	MW 81	11/03/2020	0.057	-	-	-
cis-1,2-Dichloroethene	MW 81	04/27/2022	0.028	-	-	-
cis-1,2-Dichloroethene	MW 81	10/10/2023	0.079	-	-	-
cis-1,2-Dichloroethene	MW 82	5/15/2012	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 82	10/29/2013	0.0022	-	-	-
cis-1,2-Dichloroethene	MW 82	10/27/2014	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 82	10/14/2015	0.00041 J	-	-	-
cis-1,2-Dichloroethene	MW 82	10/21/2016	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 82	10/10/2017	0.002/0.002	-	-	-
cis-1,2-Dichloroethene	MW 82	10/10/2018	0.001 U/ 0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 82	11/03/2020	ND(0.001)JB	-	-	-
cis-1,2-Dichloroethene	MW 82	04/27/2022	0.00067J	-	-	-
cis-1,2-Dichloroethene	MW 82	10/10/2023	0.00078	-	-	-
cis-1,2-Dichloroethene	MW 83	5/15/2012	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 83	10/29/2013	0.00032 J	-	-	-
cis-1,2-Dichloroethene	MW 83	10/27/2014	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 83	10/14/2015	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 83	10/21/2016	0.001 U/ 0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 83	10/10/2017	0.00041 J	-	-	-
cis-1,2-Dichloroethene	MW 83	10/10/2018	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 83	11/03/2020	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 83	04/27/2022	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 83	10/10/2023	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 84	4/12/2013	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 84	10/29/2013	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 84	4/15/2014	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 84	10/14/2015	0.00027 J	-	-	-
cis-1,2-Dichloroethene	MW 84	10/21/2016	0.001	-	-	-
cis-1,2-Dichloroethene	MW 84	10/10/2017	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 84	10/10/2018	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 84	10/08/2019	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 84	11/03/2020	ND(0.001)JB	-	-	-
cis-1,2-Dichloroethene	MW 84	04/27/2022	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 84	10/10/2023	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 85	4/12/2013	1.9	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 85	10/29/2013	4.6	-	-	-
cis-1,2-Dichloroethene	MW 85	4/15/2014	7.4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 85	10/27/2014	7.5	-	-	-
cis-1,2-Dichloroethene	MW 85	4/28/2015	9.5	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 85	10/14/2015	10	-	-	-
cis-1,2-Dichloroethene	MW 85	4/20/2016	9.9/ 10	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 85	10/21/2016	8.4	-	-	-
cis-1,2-Dichloroethene	MW 85	4/18/2017	8.4	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 85	10/10/2017	8.6	-	-	-
cis-1,2-Dichloroethene	MW 85	4/11/2018	7.3	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 85	10/10/2018	8	-	-	-
cis-1,2-Dichloroethene	MW 85	04/25/2019	4.4	-	-	-
cis-1,2-Dichloroethene	MW 85	11/03/2020	6.1	-	-	-
cis-1,2-Dichloroethene	MW 85	04/27/2022	5.2	-	-	-
cis-1,2-Dichloroethene	MW 85	10/10/2023	5.5	-	-	-
cis-1,2-Dichloroethene	MW 86	5/15/2012	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 86	10/29/2013	0.001 U	-	-	-

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cis-1,2-Dichloroethene	MW 86	10/27/2014	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 86	10/14/2015	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 86	10/21/2016	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 86	10/10/2017	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 86	10/10/2018	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 86	11/03/2020	ND(0.001)J	-	-	-
cis-1,2-Dichloroethene	MW 86	04/27/2022	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 86	10/10/2023	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 88	5/15/2012	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 88	10/29/2013	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 88	10/27/2014	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 88	10/14/2015	0.001 U/ 0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 88	10/21/2016	0.001 U/ 0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 88	10/10/2017	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 88	10/10/2018	0.001 U/ 0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 88	11/03/2020	ND(0.001)J	-	-	-
cis-1,2-Dichloroethene	MW 88	04/27/2022	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 88	10/10/2023	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 89-11	4/12/2013	0.001 U/ 0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 89-11	10/29/2013	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 89-11	4/15/2014	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 89-11	10/27/2014	0.00055 J	-	-	-
cis-1,2-Dichloroethene	MW 89-11	4/28/2015	0.0003 J	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 89-11	10/14/2015	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 89-11	4/20/2016	0.001 U/ 0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 89-11	10/21/2016	0.0003 J / 0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 89-11	4/18/2017	0.0033 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 89-11	10/10/2017	0.00059 J	-	-	-
cis-1,2-Dichloroethene	MW 89-11	4/11/2018	0.001 U	-	-	sampling frequency
cis-1,2-Dichloroethene	MW 89-11	10/10/2018	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 89-11	04/25/2019	0.00037J	-	-	-
cis-1,2-Dichloroethene	MW 89-11	11/03/2020	ND(0.001)J	-	-	-
cis-1,2-Dichloroethene	MW 89-11	04/27/2022	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW 89-11	10/10/2023	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW97R-16	10/21/2016	0.0012	-	-	-
cis-1,2-Dichloroethene	MW97R-16	10/10/2017	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW97R-16	10/10/2018	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW97R-16	11/03/2020	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW97R-16	04/27/2022	0.001 U	-	-	-
cis-1,2-Dichloroethene	MW97R-16	10/10/2023	0.001 U	-	-	-
cis-1,2-Dichloroethene	Pond Intake	4/12/2013	0.0066	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	7/17/2013	0.017	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	10/29/2013	0.001 U	-	-	-
cis-1,2-Dichloroethene	Pond Intake	4/15/2014	0.018	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	7/17/2014	0.027 / 0.029	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	10/27/2014	0.022	-	-	-
cis-1,2-Dichloroethene	Pond Intake	4/28/2015	0.033	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	7/10/2015	0.1 / 0.11	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	10/14/2015	0.037	-	-	-
cis-1,2-Dichloroethene	Pond Intake	4/20/2016	0.077	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	7/19/2016	0.055	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	10/21/2016	0.036 / 0.034	-	-	-
cis-1,2-Dichloroethene	Pond Intake	4/18/2017	0.059	-	-	sampling frequency

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cis-1,2-Dichloroethene	Pond Intake	7/12/2017	0.11	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	10/10/2017	0.052	-	-	-
cis-1,2-Dichloroethene	Pond Intake	4/11/2018	0.12	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	7/5/2018	0.072/ 0.077	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	10/10/2018	0.1	-	-	-
cis-1,2-Dichloroethene	Pond Intake	04/25/2019	0.12/0.10	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond Intake	10/08/2019	0.061	-	-	-
cis-1,2-Dichloroethene	Pond Intake	11/03/2020	0.076	-	-	-
cis-1,2-Dichloroethene	Pond Intake	04/27/2022	0.067	-	-	-
cis-1,2-Dichloroethene	Pond Intake	10/10/2023	0.045	-	-	-
cis-1,2-Dichloroethene	Pond North	4/12/2013	0.013	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	7/17/2013	0.032/ 0.032	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	10/29/2013	0.001 U	-	-	-
cis-1,2-Dichloroethene	Pond North	4/15/2014	0.11	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	7/17/2014	0.25	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	10/27/2014	0.31	-	-	-
cis-1,2-Dichloroethene	Pond North	4/28/2015	0.26	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	7/10/2015	0.093	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	10/14/2015	0.035	-	-	-
cis-1,2-Dichloroethene	Pond North	4/20/2016	0.12	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	7/19/2016	0.09 / 0.081	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	10/21/2016	0.5	-	-	-
cis-1,2-Dichloroethene	Pond North	4/18/2017	0.21	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	7/12/2017	0.11 / 0.1	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	10/10/2017	0.35	-	-	-
cis-1,2-Dichloroethene	Pond North	4/11/2018	0.21/ 0.22	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	7/5/2018	0.16	-	-	sampling frequency
cis-1,2-Dichloroethene	Pond North	10/10/2018	0.13 / 0.13	-	-	-
cis-1,2-Dichloroethene	Pond North	04/25/2019	0.18	-	-	-
cis-1,2-Dichloroethene	Pond North	10/08/2019	0.1 / 0.1	-	-	-
cis-1,2-Dichloroethene	Pond North	11/03/2020	0.2 / 0.2	-	-	-
cis-1,2-Dichloroethene	Pond North	04/27/2022	0.1 / 0.1	-	-	-
cis-1,2-Dichloroethene	Pond North	10/10/2023	0.1 / 0.11	-	-	-
Vinyl chloride	MW-2	10/16/2012	0.001 U	-	-	-
Vinyl chloride	MW-2	10/24/2013	0.001 U/ 0.001 U	-	-	-
Vinyl chloride	MW-2	10/23/2014	0.001 U	-	-	-
Vinyl chloride	MW-2	10/14/2015	0.001 U	-	-	-
Vinyl chloride	MW-2	10/21/2016	0.001 U	-	-	-
Vinyl chloride	MW-2	10/10/2017	0.001 U	-	-	-
Vinyl chloride	MW-2	10/4/2018	0.001 U	-	-	-
Vinyl chloride	MW-2	11/03/2020	0.001 U	-	-	-
Vinyl chloride	MW-2	04/27/2022	0.001 U	-	-	-
Vinyl chloride	MW-2	10/10/2023	0.001 U	-	-	-
Vinyl chloride	MW 3	4/9/2013	0.5 U	-	-	sampling frequency
Vinyl chloride	MW 3	10/24/2013	0.082 J / 0.077 J	-	-	-
Vinyl chloride	MW 3	4/15/2014	0.33 U	-	-	sampling frequency
Vinyl chloride	MW 3	10/23/2014	0.055 J	-	-	-
Vinyl chloride	MW 3	4/28/2015	0.33 U	-	-	sampling frequency
Vinyl chloride	MW 3	10/14/2015	0.062 J	-	-	-
Vinyl chloride	MW 3	4/20/2016	0.5 U	-	-	sampling frequency
Vinyl chloride	MW 3	10/21/2016	0.25 U	-	-	-
Vinyl chloride	MW 3	4/18/2017	0.25 U	-	-	sampling frequency

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Vinyl chloride	MW 3	10/10/2017	0.1 U	-	-	-
Vinyl chloride	MW 3	4/11/2018	0.5 U	-	-	sampling frequency
Vinyl chloride	MW 3	10/4/2018	0.25 U	-	-	-
Vinyl chloride	MW 3	04/25/2019	0.2 U	-	-	-
Vinyl chloride	MW 3	11/03/2020	0.026	-	-	-
Vinyl chloride	MW 3	04/27/2022	0.4 U / 0.4 U	-	-	-
Vinyl chloride	MW 3	10/10/2023	0.02 U	-	-	-
Vinyl chloride	MW-4	4/9/2013	0.44	-	-	sampling frequency
Vinyl chloride	MW-4	10/24/2013	0.43	-	-	-
Vinyl chloride	MW-4	4/15/2014	0.58/ 0.57	-	-	sampling frequency
Vinyl chloride	MW-4	10/23/2014	0.41 J	-	-	-
Vinyl chloride	MW-4	4/28/2015	0.42 J	-	-	sampling frequency
Vinyl chloride	MW-4	10/14/2015	0.47	-	-	-
Vinyl chloride	MW-4	4/20/2016	0.53	-	-	sampling frequency
Vinyl chloride	MW-4	10/21/2016	0.63	-	-	-
Vinyl chloride	MW-4	4/18/2017	0.84	-	-	sampling frequency
Vinyl chloride	MW-4	10/10/2017	0.73 / 0.66	-	-	-
Vinyl chloride	MW-4	4/11/2018	0.68 / 0.65	-	-	sampling frequency
Vinyl chloride	MW-4	10/4/2018	0.68	-	-	-
Vinyl chloride	MW-4	04/25/2019	0.5	-	-	-
Vinyl chloride	MW-4	11/03/2020	0.56	-	-	-
Vinyl chloride	MW-4	04/27/2022	0.38 / 0.35	-	-	-
Vinyl chloride	MW-4	10/10/2023	0.2	-	-	-
Vinyl chloride	MW-7	10/23/2014	0.001 U	-	-	-
Vinyl chloride	MW-7	10/10/2017	0.001 U/ 0.001 U	-	-	-
Vinyl chloride	MW-7	10/4/2018	0.001 U/ 0.001 U	-	-	-
Vinyl chloride	MW-7	11/03/2020	0.001 U	-	-	-
Vinyl chloride	MW-7	04/27/2022	0.001 U	-	-	-
Vinyl chloride	MW-7	10/10/2023	0.001 U	-	-	-
Vinyl chloride	MW 8	4/9/2013	1.5	-	-	sampling frequency
Vinyl chloride	MW 8	10/24/2013	1.4	-	-	-
Vinyl chloride	MW 8	4/15/2014	2.8	-	-	sampling frequency
Vinyl chloride	MW 8	10/23/2014	1.7	-	-	-
Vinyl chloride	MW 8	4/28/2015	1.9	-	-	sampling frequency
Vinyl chloride	MW 8	10/14/2015	1.5	-	-	-
Vinyl chloride	MW 8	4/20/2016	2 / 2.1	-	-	sampling frequency
Vinyl chloride	MW 8	10/21/2016	1.3	-	-	-
Vinyl chloride	MW 8	4/18/2017	1.6	-	-	sampling frequency
Vinyl chloride	MW 8	10/10/2017	1.3	-	-	-
Vinyl chloride	MW 8	4/11/2018	0.62	-	-	sampling frequency
Vinyl chloride	MW 8	10/4/2018	0.64	-	-	-
Vinyl chloride	MW 8	04/25/2019	0.87	-	-	-
Vinyl chloride	MW 8	11/03/2020	0.71	-	-	-
Vinyl chloride	MW 8	04/27/2022	0.32	-	-	-
Vinyl chloride	MW 8	10/10/2023	1.2	-	-	-
Vinyl chloride	MW 12	4/9/2013	0.01 U	-	-	sampling frequency
Vinyl chloride	MW 12	10/24/2013	0.0077 U	-	-	-
Vinyl chloride	MW 12	4/15/2014	0.0057 U	-	-	sampling frequency
Vinyl chloride	MW 12	10/23/2014	0.005 U / 0.0057 U	-	-	-
Vinyl chloride	MW 12	4/28/2015	0.0057 U	-	-	sampling frequency
Vinyl chloride	MW 12	10/14/2015	0.005 U	-	-	-
Vinyl chloride	MW 12	4/20/2016	0.005 U	-	-	sampling frequency
Vinyl chloride	MW 12	10/21/2016	0.005 U	-	-	-

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Vinyl chloride	MW 12	4/18/2017	0.0025 U	-	-	sampling frequency
Vinyl chloride	MW 12	10/10/2017	0.0033 U	-	-	-
Vinyl chloride	MW 12	4/11/2018	0.0067 U	-	-	sampling frequency
Vinyl chloride	MW 12	10/4/2018	0.005 U	-	-	-
Vinyl chloride	MW 12	04/25/2019	0.0033U	-	-	-
Vinyl chloride	MW 12	11/03/2020	0.0005J	-	-	-
Vinyl chloride	MW 12	04/27/2022	0.001 U	-	-	-
Vinyl chloride	MW 12	10/10/2023	0.001 U	-	-	-
Vinyl chloride	MW 14	4/9/2013	0.19/ 0.18	-	-	sampling frequency
Vinyl chloride	MW 14	10/24/2013	0.25 / 0.22 J	-	-	-
Vinyl chloride	MW 14	4/15/2014	0.23/ 0.25	-	-	sampling frequency
Vinyl chloride	MW 14	10/23/2014	0.14 J	-	-	-
Vinyl chloride	MW 14	4/28/2015	0.15 J/ 0.15 J	-	-	sampling frequency
Vinyl chloride	MW 14	10/14/2015	0.14 J	-	-	-
Vinyl chloride	MW 14	4/20/2016	0.14 J	-	-	sampling frequency
Vinyl chloride	MW 14	10/21/2016	0.12 J	-	-	-
Vinyl chloride	MW 14	4/18/2017	0.13/0.13	-	-	sampling frequency
Vinyl chloride	MW 14	10/10/2017	0.15 J / 0.15 J	-	-	-
Vinyl chloride	MW 14	4/11/2018	0.11 J	-	-	sampling frequency
Vinyl chloride	MW 14	10/4/2018	0.13 J	-	-	-
Vinyl chloride	MW 14	04/25/2019	0.1J	-	-	-
Vinyl chloride	MW 14	11/03/2020	0.13	-	-	-
Vinyl chloride	MW 14	04/27/2022	0.13 / 0.12J	-	-	-
Vinyl chloride	MW 14	10/10/2023	0.19 / 0.18	-	-	-
Vinyl chloride	MW 15	1/18/2005	1.2	-	-	sampling frequency
Vinyl chloride	MW 15	4/19/2005	1.4	-	-	-
Vinyl chloride	MW 15	1/31/2006	1.1	-	-	sampling frequency
Vinyl chloride	MW 15	2/1/2006	0.62	-	-	sampling frequency
Vinyl chloride	MW 15	4/18/2006	1.2	-	-	sampling frequency
Vinyl chloride	MW 15	7/18/2006	0.83	-	-	-
Vinyl chloride	MW 15	10/18/2006	1.7	-	-	sampling frequency
Vinyl chloride	MW 15	2/26/2007	1.2	-	-	sampling frequency
Vinyl chloride	MW 15	6/18/2007	1.4/ 1.5	-	-	sampling frequency
Vinyl chloride	MW 15	9/27/2007	1.3	-	-	-
Vinyl chloride	MW 15	12/4/2007	1.2 J	-	-	-
Vinyl chloride	MW 15	10/24/2013	0.56	-	-	-
Vinyl chloride	MW 15	10/23/2014	0.5 U	-	high DL	-
Vinyl chloride	MW 15	10/14/2015	0.094 J	-	-	-
Vinyl chloride	MW 15	10/21/2016	0.1 U	-	high DL	-
Vinyl chloride	MW 15	10/10/2017	0.052 J	-	-	-
Vinyl chloride	MW 15	10/4/2018	0.063 J	-	-	-
Vinyl chloride	MW 15	11/03/2020	0.041	-	-	-
Vinyl chloride	MW 15	04/27/2022	0.4 U	-	high DL	-
Vinyl chloride	MW 15	10/10/2023	0.094 J	-	-	-
Vinyl chloride	MW 16	10/24/2013	0.001 U	-	-	-
Vinyl chloride	MW 16	4/15/2014	0.001 U	-	-	-
Vinyl chloride	MW 16	10/14/2015	0.001 U	-	-	-
Vinyl chloride	MW 16	10/21/2016	0.001 U	-	-	-
Vinyl chloride	MW 16	10/10/2017	0.03	-	-	-
Vinyl chloride	MW 16	10/4/2018	0.22	-	-	-
Vinyl chloride	MW 16	10/08/2019	0.63U	-	-	-
Vinyl chloride	MW 16	11/03/2020	0.019	-	-	-
Vinyl chloride	MW 16	04/27/2022	0.1U	-	-	-

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Vinyl chloride	MW 16	10/10/2023	0.2 U	-	-	-
Vinyl chloride	MW 21	4/19/2005	0.001 U	-	-	-
Vinyl chloride	MW 21	1/31/2006	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 21	2/1/2006	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 21	4/18/2006	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 21	7/18/2006	0.001 U	-	-	-
Vinyl chloride	MW 21	10/18/2006	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 21	2/26/2007	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 21	6/18/2007	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 21	9/27/2007	0.001 U	-	-	-
Vinyl chloride	MW 21	10/14/2015	0.001 U	-	-	-
Vinyl chloride	MW 21	10/21/2016	0.001 U	-	-	-
Vinyl chloride	MW 21	10/10/2017	0.001 U	-	-	-
Vinyl chloride	MW 21	10/4/2018	0.001 U	-	-	-
Vinyl chloride	MW 21	11/03/2020	0.001 U	-	-	-
Vinyl chloride	MW 21	04/27/2022	0.001 U	-	-	-
Vinyl chloride	MW 21	10/10/2023	0.001 U	-	-	-
Vinyl chloride	MW 28	4/9/2013	0.17	-	-	sampling frequency
Vinyl chloride	MW 28	10/24/2013	0.14	-	-	-
Vinyl chloride	MW 28	4/15/2014	0.21/ 0.22	-	-	sampling frequency
Vinyl chloride	MW 28	10/23/2014	0.14	-	-	-
Vinyl chloride	MW 28	4/28/2015	0.13	-	-	sampling frequency
Vinyl chloride	MW 28	10/14/2015	0.21	-	-	-
Vinyl chloride	MW 28	4/20/2016	0.15	-	-	sampling frequency
Vinyl chloride	MW 28	10/21/2016	0.19	-	-	-
Vinyl chloride	MW 28	4/18/2017	0.18	-	-	sampling frequency
Vinyl chloride	MW 28	10/10/2017	0.2	-	-	-
Vinyl chloride	MW 28	4/11/2018	0.17	-	-	sampling frequency
Vinyl chloride	MW 28	10/4/2018	0.15 / 0.16	-	-	-
Vinyl chloride	MW 28	04/25/2019	0.13	-	-	-
Vinyl chloride	MW 28	11/03/2020	0.18	-	-	-
Vinyl chloride	MW 28	04/27/2022	0.22	-	-	-
Vinyl chloride	MW 28	10/10/2023	0.18	-	-	-
Vinyl chloride	MW 31R	4/9/2013	1.3	-	-	sampling frequency
Vinyl chloride	MW 31R	10/24/2013	1.6	-	-	-
Vinyl chloride	MW 31R	4/15/2014	1.1	-	-	sampling frequency
Vinyl chloride	MW 31R	10/23/2014	1	-	-	-
Vinyl chloride	MW 31R	4/28/2015	0.63	-	-	sampling frequency
Vinyl chloride	MW 31R	10/14/2015	1.7	-	-	-
Vinyl chloride	MW 31R	4/20/2016	1.5	-	-	sampling frequency
Vinyl chloride	MW 31R	10/21/2016	3.4 / 3.4	-	-	-
Vinyl chloride	MW 31R	4/18/2017	2	-	-	sampling frequency
Vinyl chloride	MW 31R	10/10/2017	9	-	-	-
Vinyl chloride	MW 31R	4/11/2018	1.1	-	-	sampling frequency
Vinyl chloride	MW 31R	10/4/2018	2.4 / 2.1	-	-	-
Vinyl chloride	MW 31R	04/25/2019	5.7	-	-	-
Vinyl chloride	MW 31R	11/03/2020	3.5	-	-	-
Vinyl chloride	MW 31R	04/27/2022	6.7	-	-	-
Vinyl chloride	MW 31R	10/10/2023	1.7	-	-	-
Vinyl chloride	MW 37	10/16/2012	0.001 U / 0.001 U	-	-	-
Vinyl chloride	MW 37	10/24/2013	0.001 U	-	-	-
Vinyl chloride	MW 37	10/23/2014	0.001 U	-	-	-
Vinyl chloride	MW 37	10/14/2015	0.001 U	-	-	-

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Vinyl chloride	MW 37	10/21/2016	0.001 U	-	-	-
Vinyl chloride	MW 37	10/10/2017	0.001 U	-	-	-
Vinyl chloride	MW 37	10/4/2018	0.001 U	-	-	-
Vinyl chloride	MW 37	11/03/2020	0.001 U	-	-	-
Vinyl chloride	MW 37	04/27/2022	0.001 U	-	-	-
Vinyl chloride	MW 37	10/10/2023	0.001 U	-	-	-
Vinyl chloride	MW 40	4/9/2013	0.99	-	-	sampling frequency
Vinyl chloride	MW 40	10/24/2013	1.2	-	-	-
Vinyl chloride	MW 40	4/15/2014	1.1	-	-	sampling frequency
Vinyl chloride	MW 40	10/23/2014	0.5	-	-	-
Vinyl chloride	MW 40	4/28/2015	0.43	-	-	sampling frequency
Vinyl chloride	MW 40	10/14/2015	0.44	-	-	-
Vinyl chloride	MW 40	4/20/2016	0.36	-	-	sampling frequency
Vinyl chloride	MW 40	10/21/2016	0.31	-	-	-
Vinyl chloride	MW 40	4/18/2017	0.26	-	-	sampling frequency
Vinyl chloride	MW 40	10/10/2017	0.17 / 0.18	-	-	-
Vinyl chloride	MW 40	4/11/2018	0.18 J	-	-	sampling frequency
Vinyl chloride	MW 40	10/4/2018	0.22	-	-	-
Vinyl chloride	MW 40	04/25/2019	0.24	-	-	-
Vinyl chloride	MW 40	11/03/2020	0.22	-	-	-
Vinyl chloride	MW 40	04/27/2022	0.28	-	-	-
Vinyl chloride	MW 40	10/10/2023	0.33	-	-	-
Vinyl chloride	MW 41	4/9/2013	0.61	-	-	sampling frequency
Vinyl chloride	MW 41	10/24/2013	0.55	-	-	-
Vinyl chloride	MW 41	4/15/2014	0.73	-	-	sampling frequency
Vinyl chloride	MW 41	10/23/2014	0.54 J	-	-	-
Vinyl chloride	MW 41	4/28/2015	0.46	-	-	sampling frequency
Vinyl chloride	MW 41	10/14/2015	0.39 / 0.39	-	-	-
Vinyl chloride	MW 41	4/20/2016	0.45	-	-	sampling frequency
Vinyl chloride	MW 41	10/21/2016	0.35	-	-	-
Vinyl chloride	MW 41	4/18/2017	0.44	-	-	sampling frequency
Vinyl chloride	MW 41	10/10/2017	0.38	-	-	-
Vinyl chloride	MW 41	4/11/2018	0.3 J	-	-	sampling frequency
Vinyl chloride	MW 41	10/4/2018	0.21 J	-	-	-
Vinyl chloride	MW 41	04/25/2019	0.35 / 0.34	-	-	-
Vinyl chloride	MW 41	11/03/2020	0.24	-	-	-
Vinyl chloride	MW 41	04/27/2022	0.16	-	-	-
Vinyl chloride	MW 41	10/10/2023	0.27	-	-	-
Vinyl chloride	MW 42	10/16/2012	0.1 J	-	-	-
Vinyl chloride	MW 42	4/9/2013	0.14 J	-	-	sampling frequency
Vinyl chloride	MW 42	10/24/2013	0.12 J	-	-	-
Vinyl chloride	MW 42	4/15/2014	0.18	-	-	sampling frequency
Vinyl chloride	MW 42	10/23/2014	0.12 J	-	-	-
Vinyl chloride	MW 42	4/28/2015	0.13 J	-	-	sampling frequency
Vinyl chloride	MW 42	10/14/2015	0.14 J	-	-	-
Vinyl chloride	MW 42	4/20/2016	0.092 J	-	-	sampling frequency
Vinyl chloride	MW 42	10/21/2016	0.1 J	-	-	-
Vinyl chloride	MW 42	4/18/2017	0.22	-	-	sampling frequency
Vinyl chloride	MW 42	10/10/2017	0.26	-	-	-
Vinyl chloride	MW 42	4/11/2018	0.11 J	-	-	sampling frequency
Vinyl chloride	MW 42	10/4/2018	0.2 U	-	high DL	-
Vinyl chloride	MW 42	04/25/2019	0.087J	-	-	-
Vinyl chloride	MW 42	11/03/2020	0.22	-	-	-

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Vinyl chloride	MW 42	04/27/2022	0.052J	-	-	-
Vinyl chloride	MW 42	10/10/2023	0.06	-	-	-
Vinyl chloride	MW 46	10/24/2013	0.001 U	-	-	-
Vinyl chloride	MW 46	10/23/2014	0.001 U	-	-	-
Vinyl chloride	MW 46	10/14/2015	0.001 U	-	-	-
Vinyl chloride	MW 46	10/21/2016	0.001 U	-	-	-
Vinyl chloride	MW 46	10/10/2017	0.001 U	-	-	-
Vinyl chloride	MW 46	10/4/2018	0.001 U	-	-	-
Vinyl chloride	MW 46	10/08/2019	0.001 U	-	-	-
Vinyl chloride	MW 46	11/03/2020	0.001 U	-	-	-
Vinyl chloride	MW 46	04/27/2022	0.001 U	-	-	-
Vinyl chloride	MW 46	10/10/2023	0.001 U	-	-	-
Vinyl chloride	MW 49	7/28/2011	0.025	-	-	-
Vinyl chloride	MW 49	5/16/2012	0.025	-	-	sampling frequency
Vinyl chloride	MW 49	10/16/2012	0.03 J	-	-	-
Vinyl chloride	MW 49	4/9/2013	0.027 J	-	-	sampling frequency
Vinyl chloride	MW 49	10/24/2013	0.033	-	-	-
Vinyl chloride	MW 49	4/15/2014	0.013	-	-	sampling frequency
Vinyl chloride	MW 49	10/23/2014	0.013 J	-	-	-
Vinyl chloride	MW 49	4/28/2015	0.033 U	-	-	sampling frequency
Vinyl chloride	MW 49	10/14/2015	0.012 J	-	-	-
Vinyl chloride	MW 49	4/20/2016	0.011 J	-	-	-
Vinyl chloride	MW 49	4/11/2018	0.05 U	-	-	sampling frequency
Vinyl chloride	MW 49	10/4/2018	0.04 U	-	-	-
Vinyl chloride	MW 49	04/25/2019	0.033 U	-	-	sampling frequency
Vinyl chloride	MW 49	10/08/2019	0.05 U / 0.05 U	-	-	-
Vinyl chloride	MW 49	11/03/2020	0.033	-	-	-
Vinyl chloride	MW 49	04/27/2022	0.01U	-	-	-
Vinyl chloride	MW 49	10/10/2023	0.02 U	-	-	-
Vinyl chloride	MW 51	7/28/2011	0.0091 U	-	-	-
Vinyl chloride	MW 51	5/16/2012	0.0057 U	-	-	sampling frequency
Vinyl chloride	MW 51	10/16/2012	0.0067 U	-	-	-
Vinyl chloride	MW 51	4/9/2013	0.003 J	-	-	sampling frequency
Vinyl chloride	MW 51	10/24/2013	0.0029 J	-	-	-
Vinyl chloride	MW 51	4/15/2014	0.005 U	-	-	sampling frequency
Vinyl chloride	MW 51	10/23/2014	0.0041 J	-	-	-
Vinyl chloride	MW 51	4/28/2015	0.0026 J/ 0.0024 J	-	-	sampling frequency
Vinyl chloride	MW 51	10/14/2015	0.0079	-	-	-
Vinyl chloride	MW 51	4/20/2016	0.0035 J	-	-	sampling frequency
Vinyl chloride	MW 51	10/21/2016	0.0053 J	-	-	-
Vinyl chloride	MW 51	4/18/2017	0.0041	-	-	sampling frequency
Vinyl chloride	MW 51	10/10/2017	0.0073	-	-	-
Vinyl chloride	MW 51	4/11/2018	0.0038 / 0.0046	-	-	sampling frequency
Vinyl chloride	MW 51	10/4/2018	0.0035 J	-	-	-
Vinyl chloride	MW 51	04/25/2019	0.0053J / 0.0066	-	-	-
Vinyl chloride	MW 56	10/16/2012	0.001 U	-	-	-
Vinyl chloride	MW 56	10/24/2013	0.001 U	-	-	-
Vinyl chloride	MW 56	10/23/2014	0.001 U/ 0.001 U	-	-	-
Vinyl chloride	MW 56	10/14/2015	0.001 U	-	-	-
Vinyl chloride	MW 56	10/21/2016	0.001 U	-	-	-
Vinyl chloride	MW 56	10/10/2017	0.001 U	-	-	-
Vinyl chloride	MW 56	10/4/2018	0.001 U	-	-	-
Vinyl chloride	MW 56	11/03/2020	0.00066J	-	-	-

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Vinyl chloride	MW 56	04/27/2022	0.001 U	-	-	-
Vinyl chloride	MW 56	10/10/2023	0.001 U	-	-	-
Vinyl chloride	MW 57	10/16/2012	0.0042	-	-	-
Vinyl chloride	MW 57	10/24/2013	0.0062	-	-	-
Vinyl chloride	MW 57	10/23/2014	0.013	-	-	-
Vinyl chloride	MW 57	10/14/2015	0.0037	-	-	-
Vinyl chloride	MW 57	10/21/2016	0.046	-	-	-
Vinyl chloride	MW 57	10/10/2017	0.096	-	-	-
Vinyl chloride	MW 57	10/4/2018	0.02	-	-	-
Vinyl chloride	MW 57	11/03/2020	0.98	-	-	-
Vinyl chloride	MW 57	04/27/2022	0.73	-	-	-
Vinyl chloride	MW 57	10/10/2023	1.3	-	-	-
Vinyl chloride	MW 58	10/16/2012	0.14 / 0.15	-	-	-
Vinyl chloride	MW 58	10/24/2013	0.11	-	-	-
Vinyl chloride	MW 58	10/23/2014	0.098	-	-	-
Vinyl chloride	MW 58	10/14/2015	0.15 / 0.16	-	-	-
Vinyl chloride	MW 58	10/21/2016	0.085	-	-	-
Vinyl chloride	MW 58	10/10/2017	0.059	-	-	-
Vinyl chloride	MW 58	10/4/2018	0.064 J	-	-	-
Vinyl chloride	MW 58	11/03/2020	0.13J/0.12J	-	-	-
Vinyl chloride	MW 58	04/27/2022	0.034J	-	-	-
Vinyl chloride	MW 58	10/10/2023	0.14/0.14	-	-	-
Vinyl chloride	MW 61	7/30/2009	0.001 U	-	-	-
Vinyl chloride	MW 61	8/4/2010	0.002 U/ 0.002 U	-	-	sampling frequency
Vinyl chloride	MW 61	7/28/2011	0.00029 J	-	-	-
Vinyl chloride	MW 61	10/16/2012	0.001 U	-	-	-
Vinyl chloride	MW 61	10/24/2013	0.001 U	-	high DL	-
Vinyl chloride	MW 61	10/23/2014	0.00042 J	-	-	-
Vinyl chloride	MW 61	10/14/2015	0.00068 J	-	-	-
Vinyl chloride	MW 61	10/21/2016	0.00069 J	-	-	-
Vinyl chloride	MW 61	10/10/2017	0.001 U	-	high DL	-
Vinyl chloride	MW 61	10/4/2018	0.0013	-	-	-
Vinyl chloride	MW 61	11/03/2020	0.00077J / 0.0011	-	-	-
Vinyl chloride	MW 61	04/27/2022	0.00062J	-	-	-
Vinyl chloride	MW 61	10/10/2023	0.0035 / 0.0033	-	-	-
Vinyl chloride	MW 64	10/16/2012	0.027 / 0.027	-	-	-
Vinyl chloride	MW 64	10/24/2013	0.045	-	-	-
Vinyl chloride	MW 64	10/23/2014	0.033	-	-	-
Vinyl chloride	MW 64	10/14/2015	0.03	-	-	-
Vinyl chloride	MW 64	10/21/2016	0.039	-	-	-
Vinyl chloride	MW 64	10/10/2017	0.049	-	-	-
Vinyl chloride	MW 64	10/4/2018	0.083 / 0.089	-	-	-
Vinyl chloride	MW 64	11/03/2020	0.042/0.042	-	-	-
Vinyl chloride	MW 64	04/27/2022	0.054	-	-	-
Vinyl chloride	MW 64	10/10/2023	0.0037	-	-	-
Vinyl chloride	MW 65	7/28/2011	0.04 U	-	-	-
Vinyl chloride	MW 65	10/16/2012	0.014 U	-	-	-
Vinyl chloride	MW 65	10/24/2013	0.0025 J	-	-	-
Vinyl chloride	MW 65	10/23/2014	0.00093 J / 0.0016 J	-	-	-
Vinyl chloride	MW 65	10/14/2015	0.0012 J	-	-	-
Vinyl chloride	MW 65	10/21/2016	0.0014	-	-	-
Vinyl chloride	MW 65	10/10/2017	0.00074 J	-	-	-
Vinyl chloride	MW 65	10/4/2018	0.00074 J	-	-	-

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Vinyl chloride	MW 65	11/03/2020	0.00049J	-	-	-
Vinyl chloride	MW 65	04/27/2022	0.001 U	-	high DL	-
Vinyl chloride	MW 65	10/10/2023	0.0007 J	-	-	-
Vinyl chloride	MW 66	8/4/2010	0.027	-	-	-
Vinyl chloride	MW 66	10/26/2010	0.046/ 0.045	-	-	sampling frequency
Vinyl chloride	MW 66	7/28/2011	0.14	-	-	-
Vinyl chloride	MW 66	5/16/2012	0.25	-	-	sampling frequency
Vinyl chloride	MW 66	10/16/2012	0.25	-	-	-
Vinyl chloride	MW 66	4/9/2013	0.3	-	-	sampling frequency
Vinyl chloride	MW 66	10/24/2013	0.16	-	-	-
Vinyl chloride	MW 66	4/15/2014	0.33	-	-	sampling frequency
Vinyl chloride	MW 66	10/23/2014	0.15	-	-	-
Vinyl chloride	MW 66	4/28/2015	0.11	-	-	sampling frequency
Vinyl chloride	MW 66	10/14/2015	0.13	-	-	-
Vinyl chloride	MW 66	4/20/2016	0.14	-	-	sampling frequency
Vinyl chloride	MW 66	10/21/2016	0.14	-	-	-
Vinyl chloride	MW 66	4/18/2017	0.11	-	-	sampling frequency
Vinyl chloride	MW 66	10/10/2017	0.075	-	-	-
Vinyl chloride	MW 66	4/11/2018	0.2 U	-	-	sampling frequency
Vinyl chloride	MW 66	10/4/2018	0.2 U	-	high DL	-
Vinyl chloride	MW 66	04/25/2019	0.036J	-	-	-
Vinyl chloride	MW 66	11/03/2020	0.018	-	-	-
Vinyl chloride	MW 66	04/27/2022	0.1 U	-	high DL	-
Vinyl chloride	MW 66	10/10/2023	0.040 U / 0.040 U	-	high DL	-
Vinyl chloride	MW 68	4/9/2013	0.19 J/ 0.21 J	-	-	sampling frequency
Vinyl chloride	MW 68	10/24/2013	0.24 J / 0.3 / 0.3	-	-	-
Vinyl chloride	MW 68	4/15/2014	0.24	-	-	sampling frequency
Vinyl chloride	MW 68	10/23/2014	0.15 J	-	-	-
Vinyl chloride	MW 68	4/28/2015	0.18 J/ 0.17 J	-	-	sampling frequency
Vinyl chloride	MW 68	10/14/2015	0.16 J / 0.12 J	-	-	-
Vinyl chloride	MW 68	4/20/2016	0.15 J	-	-	sampling frequency
Vinyl chloride	MW 68	10/21/2016	0.15 J	-	-	-
Vinyl chloride	MW 68	4/18/2017	0.13	-	-	sampling frequency
Vinyl chloride	MW 68	10/10/2017	0.16	-	-	-
Vinyl chloride	MW 68	4/11/2018	0.099 J	-	-	sampling frequency
Vinyl chloride	MW 68	10/4/2018	0.11 J	-	-	-
Vinyl chloride	MW 68	04/25/2019	0.16J	-	-	-
Vinyl chloride	MW 68	11/03/2020	0.22 / 0.23	-	-	-
Vinyl chloride	MW 68	04/27/2022	0.11	-	-	-
Vinyl chloride	MW 68	10/10/2023	0.12 J	-	-	-
Vinyl chloride	MW 75	7/28/2011	0.001 U	-	-	-
Vinyl chloride	MW 75	10/16/2012	0.001 U	-	-	-
Vinyl chloride	MW 75	10/24/2013	0.001 U	-	-	-
Vinyl chloride	MW 75	10/23/2014	0.001 U	-	-	-
Vinyl chloride	MW 75	10/21/2016	0.001 U	-	-	-
Vinyl chloride	MW 75	10/10/2017	0.001 U	-	-	-
Vinyl chloride	MW 75	10/4/2018	0.001 U	-	-	-
Vinyl chloride	MW 75	11/03/2020	0.001 U	-	-	-
Vinyl chloride	MW 75	04/27/2022	0.001 U	-	-	-
Vinyl chloride	MW 75	10/10/2023	0.001 U	-	-	-
Vinyl chloride	MW 76/MW 76R-17	9/27/2007	0.001 U	-	-	-
Vinyl chloride	MW 76/MW 76R-17	8/4/2010	0.001 U	-	-	-
Vinyl chloride	MW 76/MW 76R-17	7/28/2011	0.001 U / 0.001 U	-	-	-

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Vinyl chloride	MW 76/MW 76R-17	10/16/2012	0.001 U	-	-	-
Vinyl chloride	MW 76/MW 76R-17	10/24/2013	0.00048 J / 0.00046 J	-	-	-
Vinyl chloride	MW 76/MW 76R-17	10/23/2014	0.00051 J	-	-	-
Vinyl chloride	MW 76/MW 76R-17	10/10/2017	0.001 U	-	-	-
Vinyl chloride	MW 76/MW 76R-17	10/4/2018	0.001 U	-	-	-
Vinyl chloride	MW 76/MW 76R-17	11/03/2020	0.0016	-	-	-
Vinyl chloride	MW 76/MW 76R-17	10/10/2023	0.001 U	-	-	-
Vinyl chloride	MW 79	4/9/2013	0.15	-	-	sampling frequency
Vinyl chloride	MW 79	10/24/2013	0.16	-	-	-
Vinyl chloride	MW 79	4/15/2014	0.22	-	-	sampling frequency
Vinyl chloride	MW 79	10/23/2014	0.15 / 0.15	-	-	-
Vinyl chloride	MW 79	4/28/2015	0.15	-	-	sampling frequency
Vinyl chloride	MW 79	10/14/2015	0.13	-	-	-
Vinyl chloride	MW 79	4/20/2016	0.18	-	-	sampling frequency
Vinyl chloride	MW 79	10/21/2016	0.15	-	-	-
Vinyl chloride	MW 79	4/18/2017	0.19 / 0.19	-	-	sampling frequency
Vinyl chloride	MW 79	10/10/2017	0.2	-	-	-
Vinyl chloride	MW 79	4/11/2018	0.31	-	-	sampling frequency
Vinyl chloride	MW 79	10/4/2018	0.31	-	-	-
Vinyl chloride	MW 79	04/25/2019	0.6	-	-	-
Vinyl chloride	MW 79	11/03/2020	0.44	-	-	-
Vinyl chloride	MW 79	04/27/2022	0.41	-	-	-
Vinyl chloride	MW 79	10/10/2023	0.36	-	-	-
Vinyl chloride	MW 80	10/16/2012	0.025	-	-	-
Vinyl chloride	MW 80	10/24/2013	0.045	-	-	-
Vinyl chloride	MW 80	10/23/2014	0.036	-	-	-
Vinyl chloride	MW 80	10/14/2015	0.04	-	-	-
Vinyl chloride	MW 80	10/21/2016	0.049	-	-	-
Vinyl chloride	MW 80	10/10/2017	0.041	-	-	-
Vinyl chloride	MW 80	10/4/2018	0.051	-	-	-
Vinyl chloride	MW 80	11/03/2020	0.063	-	-	-
Vinyl chloride	MW 80	04/27/2022	0.15 / 0.16	-	-	-
Vinyl chloride	MW 80	10/10/2023	0.11	-	-	-
Vinyl chloride	MW 81	10/16/2012	0.051	-	-	-
Vinyl chloride	MW 81	10/24/2013	0.066	-	-	-
Vinyl chloride	MW 81	10/23/2014	0.041	-	-	-
Vinyl chloride	MW 81	10/14/2015	0.062	-	-	-
Vinyl chloride	MW 81	10/21/2016	0.026	-	-	-
Vinyl chloride	MW 81	10/10/2017	0.042	-	-	-
Vinyl chloride	MW 81	10/4/2018	0.027	-	-	-
Vinyl chloride	MW 81	11/03/2020	0.037	-	-	-
Vinyl chloride	MW 81	04/27/2022	0.039	-	-	-
Vinyl chloride	MW 81	10/10/2023	0.056	-	-	-
Vinyl chloride	MW 82	7/28/2011	0.001 U	-	-	-
Vinyl chloride	MW 82	10/24/2013	0.001 U	-	-	-
Vinyl chloride	MW 82	10/23/2014	0.001 U	-	-	-
Vinyl chloride	MW 82	10/14/2015	0.001 U	-	-	-
Vinyl chloride	MW 82	10/21/2016	0.001 U	-	-	-
Vinyl chloride	MW 82	10/10/2017	0.001 U/ 0.001 U	-	-	-
Vinyl chloride	MW 82	10/4/2018	0.001 U/ 0.001 U	-	-	-
Vinyl chloride	MW 82	11/03/2020	0.001 U	-	-	-
Vinyl chloride	MW 82	04/27/2022	0.001 U	-	-	-
Vinyl chloride	MW 82	10/10/2023	0.001 U	-	-	-

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Vinyl chloride	MW 83	10/16/2012	0.00045 J	-	-	-
Vinyl chloride	MW 83	10/24/2013	0.0015	-	-	-
Vinyl chloride	MW 83	10/23/2014	0.0015	-	-	-
Vinyl chloride	MW 83	10/14/2015	0.0037	-	-	-
Vinyl chloride	MW 83	10/21/2016	0.0053 / 0.0053	-	-	-
Vinyl chloride	MW 83	10/10/2017	0.0076	-	-	-
Vinyl chloride	MW 83	10/4/2018	0.012	-	-	-
Vinyl chloride	MW 83	11/03/2020	0.015	-	-	-
Vinyl chloride	MW 83	04/27/2022	0.017	-	-	-
Vinyl chloride	MW 83	10/10/2023	0.034	-	-	-
Vinyl chloride	MW 84	4/9/2013	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 84	10/24/2013	0.001 U	-	-	-
Vinyl chloride	MW 84	4/15/2014	0.001 U	-	-	-
Vinyl chloride	MW 84	10/14/2015	0.001 U	-	-	-
Vinyl chloride	MW 84	10/21/2016	0.001 U	-	-	-
Vinyl chloride	MW 84	10/10/2017	0.001 U	-	-	-
Vinyl chloride	MW 84	10/4/2018	0.001 U	-	-	-
Vinyl chloride	MW 84	10/08/2019	0.001 U	-	-	-
Vinyl chloride	MW 84	11/03/2020	0.001 U	-	-	-
Vinyl chloride	MW 84	04/27/2022	0.001 U	-	-	-
Vinyl chloride	MW 84	10/10/2023	0.001 U	-	-	-
Vinyl chloride	MW 85	4/9/2013	0.69	-	-	sampling frequency
Vinyl chloride	MW 85	10/24/2013	0.64	-	-	-
Vinyl chloride	MW 85	4/15/2014	0.84	-	-	sampling frequency
Vinyl chloride	MW 85	10/23/2014	0.6	-	-	-
Vinyl chloride	MW 85	4/28/2015	0.37 J	-	-	sampling frequency
Vinyl chloride	MW 85	10/14/2015	0.44	-	-	-
Vinyl chloride	MW 85	4/20/2016	0.34 J/ 0.35 J	-	-	sampling frequency
Vinyl chloride	MW 85	10/21/2016	0.42 J	-	-	-
Vinyl chloride	MW 85	4/18/2017	0.42	-	-	sampling frequency
Vinyl chloride	MW 85	10/10/2017	0.45	-	-	-
Vinyl chloride	MW 85	4/11/2018	0.35 J	-	-	sampling frequency
Vinyl chloride	MW 85	10/4/2018	0.68	-	-	-
Vinyl chloride	MW 85	04/25/2019	0.32	-	-	-
Vinyl chloride	MW 85	11/03/2020	0.56	-	-	-
Vinyl chloride	MW 85	04/27/2022	0.25	-	-	-
Vinyl chloride	MW 85	10/10/2023	0.32	-	-	-
Vinyl chloride	MW 86	10/16/2012	0.001 U	-	-	-
Vinyl chloride	MW 86	10/24/2013	0.001 U	-	-	-
Vinyl chloride	MW 86	10/23/2014	0.001 U	-	-	-
Vinyl chloride	MW 86	10/14/2015	0.001 U	-	-	-
Vinyl chloride	MW 86	10/21/2016	0.001 U	-	-	-
Vinyl chloride	MW 86	10/10/2017	0.001 U	-	-	-
Vinyl chloride	MW 86	10/4/2018	0.001 U	-	-	-
Vinyl chloride	MW 86	11/03/2020	0.001 U	-	-	-
Vinyl chloride	MW 86	04/27/2022	0.001 U	-	-	-
Vinyl chloride	MW 86	10/10/2023	0.001 U	-	-	-
Vinyl chloride	MW 88	7/28/2011	0.001 U	-	-	-
Vinyl chloride	MW 88	10/16/2012	0.001 U	-	-	-
Vinyl chloride	MW 88	10/24/2013	0.001 U	-	-	-
Vinyl chloride	MW 88	10/23/2014	0.00034 J	-	-	-
Vinyl chloride	MW 88	10/14/2015	0.001 / 0.00098 J	-	-	-
Vinyl chloride	MW 88	10/21/2016	0.0019 / 0.0018	-	-	-

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Vinyl chloride	MW 88	10/10/2017	0.0023	-	-	-
Vinyl chloride	MW 88	10/4/2018	0.0024 / 0.0023	-	-	-
Vinyl chloride	MW 88	11/03/2020	0.0061	-	-	-
Vinyl chloride	MW 88	04/27/2022	0.0067	-	-	-
Vinyl chloride	MW 88	10/10/2023	0.0094	-	-	-
Vinyl chloride	MW 89-11	4/9/2013	0.001 U / 0.001 U	-	-	sampling frequency
Vinyl chloride	MW 89-11	10/24/2013	0.001 U	-	-	-
Vinyl chloride	MW 89-11	4/15/2014	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 89-11	10/23/2014	0.001 U	-	-	-
Vinyl chloride	MW 89-11	4/28/2015	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 89-11	10/14/2015	0.001 U	-	-	-
Vinyl chloride	MW 89-11	4/20/2016	0.001 U / 0.001 U	-	-	sampling frequency
Vinyl chloride	MW 89-11	10/21/2016	0.001 U / 0.001 U	-	-	-
Vinyl chloride	MW 89-11	4/18/2017	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 89-11	10/10/2017	0.001 U	-	-	-
Vinyl chloride	MW 89-11	4/11/2018	0.001 U	-	-	sampling frequency
Vinyl chloride	MW 89-11	10/4/2018	0.001 U	-	-	-
Vinyl chloride	MW 89-11	04/25/2019	0.001 U	-	-	-
Vinyl chloride	MW 89-11	11/03/2020	0.001 U	-	-	-
Vinyl chloride	MW 89-11	04/27/2022	0.001 U	-	-	-
Vinyl chloride	MW 89-11	10/10/2023	0.001 U	-	-	-
Vinyl chloride	MW97R-16	10/21/2016	0.001 U	-	-	-
Vinyl chloride	MW97R-16	10/10/2017	0.001 U	-	-	-
Vinyl chloride	MW97R-16	10/4/2018	0.001 U	-	-	-
Vinyl chloride	MW97R-16	11/03/2020	0.001 U	-	-	-
Vinyl chloride	MW97R-16	04/27/2022	0.001 U	-	-	-
Vinyl chloride	MW97R-16	10/10/2023	0.001 U	-	-	-
Vinyl chloride	Pond Intake	4/9/2013	0.0046	-	-	sampling frequency
Vinyl chloride	Pond Intake	7/17/2013	0.0048	-	-	sampling frequency
Vinyl chloride	Pond Intake	10/24/2013	0.0022	-	-	-
Vinyl chloride	Pond Intake	4/15/2014	0.0069	-	-	sampling frequency
Vinyl chloride	Pond Intake	7/17/2014	0.0048 / 0.0049	-	-	sampling frequency
Vinyl chloride	Pond Intake	10/23/2014	0.0039	-	-	-
Vinyl chloride	Pond Intake	4/28/2015	0.0053	-	-	sampling frequency
Vinyl chloride	Pond Intake	7/10/2015	0.008 / 0.0079	-	-	sampling frequency
Vinyl chloride	Pond Intake	10/14/2015	0.0065	-	-	-
Vinyl chloride	Pond Intake	4/20/2016	0.0044	-	-	sampling frequency
Vinyl chloride	Pond Intake	7/19/2016	0.0049	-	-	sampling frequency
Vinyl chloride	Pond Intake	10/21/2016	0.0031 / 0.0029	-	-	-
Vinyl chloride	Pond Intake	4/18/2017	0.0063	-	-	sampling frequency
Vinyl chloride	Pond Intake	7/12/2017	0.0051	-	-	sampling frequency
Vinyl chloride	Pond Intake	10/10/2017	0.0048	-	-	-
Vinyl chloride	Pond Intake	4/11/2018	0.013	-	-	sampling frequency
Vinyl chloride	Pond Intake	7/5/2018	0.0076 / 0.0073	-	-	sampling frequency
Vinyl chloride	Pond Intake	10/4/2018	0.005	-	-	-
Vinyl chloride	Pond Intake	04/25/2019	0.0089 / 0.0086	-	-	sampling frequency
Vinyl chloride	Pond Intake	10/08/2019	0.0039	-	-	-
Vinyl chloride	Pond Intake	11/03/2020	0.0039	-	-	-
Vinyl chloride	Pond Intake	04/27/2022	0.0061	-	-	-
Vinyl chloride	Pond Intake	10/10/2023	0.0025 J	-	-	-
Vinyl chloride	Pond North	4/9/2013	0.0081	-	-	sampling frequency
Vinyl chloride	Pond North	7/17/2013	0.014 / 0.014	-	-	sampling frequency
Vinyl chloride	Pond North	10/24/2013	0.0033	-	-	-

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Vinyl chloride	Pond North	4/15/2014	0.089	-	-	sampling frequency
Vinyl chloride	Pond North	7/17/2014	0.041	-	-	sampling frequency
Vinyl chloride	Pond North	10/23/2014	0.019	-	-	-
Vinyl chloride	Pond North	4/28/2015	0.0091	-	-	sampling frequency
Vinyl chloride	Pond North	7/10/2015	0.0077	-	-	sampling frequency
Vinyl chloride	Pond North	10/14/2015	0.0047	-	-	-
Vinyl chloride	Pond North	4/20/2016	0.0078	-	-	sampling frequency
Vinyl chloride	Pond North	7/19/2016	0.0064 / 0.0062	-	-	-
Vinyl chloride	Pond North	10/21/2016	0.033 U	-	-	sampling frequency
Vinyl chloride	Pond North	4/18/2017	0.011	-	-	sampling frequency
Vinyl chloride	Pond North	7/12/2017	0.0053 / 0.0052	-	-	sampling frequency
Vinyl chloride	Pond North	10/10/2017	0.017	-	-	-
Vinyl chloride	Pond North	4/11/2018	0.014 / 0.018	-	-	sampling frequency
Vinyl chloride	Pond North	7/5/2018	0.023 J	-	-	sampling frequency
Vinyl chloride	Pond North	10/4/2018	0.0064 J / 0.0059 J	-	-	-
Vinyl chloride	Pond North	04/25/2019	0.0099	-	-	sampling frequency
Vinyl chloride	Pond North	10/08/2019	0.0039J / 0.0040J	-	-	-
Vinyl chloride	Pond North	11/03/2020	0.011 / 0.0091J	-	-	-
Vinyl chloride	Pond North	04/27/2022	0.0073 / 0.0072	-	-	-
Vinyl chloride	Pond North	10/10/2023	0.0075 / 0.015	-	-	-

Notes:**Ambiguous Data:**

high DL - observation was excluded due to ambiguous comparisons with data analyzed at lower detection limits.

low J value - observation was censored (considered non-detect) due to ambiguous comparisons with non-detect data having higher detection limits.

Excluded Data:

sampling frequency - additional sampling events were excluded from the Mann-Kendall trend test to provide a consistent sampling interval corresponding to current program (annual).

Table C.4

Descriptive Statistics and Trend Test Results - Recent Period
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Location	Analyte	Date Range	Number of			Minimum (mg/L)	Maximum (mg/L)	Number of Outliers	Mann-Kendall Trend test				Sen's Slope (units/day)
			Samples	Detects	Percent Detects				Statistic	Probability	Confidence in trend	Conclusion	
MW-2	TCE	2012 - 2023	10	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
MW 3	TCE	2013 - 2023	10	10	100%	0.8	14 / 14	0	-1	0.500	50%	NT or Decreasing	-1E-04
MW-4	TCE	2013 - 2023	10	10	100%	0.66 / 0.75	2.7	0	-5	0.636	36%	NT or Decreasing	-9E-05
MW-7	TCE	2012 - 2023	6	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
MW 8	TCE	2013 - 2023	10	10	100%	0.089	0.42	0	-22	0.971	3%	NT or Decreasing	-7E-05
MW 12	TCE	2013 - 2023	10	5	50%	0.00028J	0.005 U	--	--	--	--	--	--
MW 14	TCE	2013 - 2023	10	0	0%	0.001 U	0.33 U	--	--	--	--	--	--
MW 15	TCE	2008 - 2023	10	10	100%	2	8.3	0	-22	0.971	3%	NT or Decreasing	-0.0010
MW 16	TCE	2013 - 2023	10	3	30%	0.001 U	3.8	--	--	--	--	--	--
MW 21	TCE	2005 - 2023	10	1	10%	0.001 U	0.0013	--	--	--	--	--	--
MW 28	TCE	2013 - 2023	10	0	0%	0.0091 U	0.1 U	--	--	--	--	--	--
MW 31R	TCE	2013 - 2023	10	3	30%	0.038 J	5 U	--	--	--	--	--	--
MW 37	TCE	2012 - 2023	10	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
MW 40 ⁽¹⁾	TCE	2012 - 2023	10	9	90%	0.11	0.36 / 0.35	0	5	0.364	64%	NT or Decreasing	9E-06
MW 41	TCE	2013 - 2023	10	0	0%	0.001U	0.63 U	--	--	--	--	--	--
MW 42	TCE	2013 - 2023	10	2	20%	0.0072	0.2 U	--	--	--	--	--	--
MW 46	TCE	2013 - 2023	10	1	10%	0.00015 J	0.001U	--	--	--	--	--	--
MW 49	TCE	2012 - 2023	10	4	40%	0.021 J	0.11	--	--	--	--	--	--
MW 51	TCE	2010 - 2019	10	10	100%	0.046 / 0.052	0.24 J	0	-43	1.000	0%	NT or Decreasing	-5E-05
MW 56	TCE	2012 - 2023	10	0	0%	0.001U	0.001U	--	--	--	--	--	--
MW 57	TCE	2012 - 2023	10	0	0%	0.001 U	0.05U	--	--	--	--	--	--
MW 58	TCE	2012 - 2023	10	0	0%	0.002 U	0.2 U	--	--	--	--	--	--
MW 61	TCE	2012 - 2023	10	0	0%	0.001 U / 0.001 U	0.001 U / 0.001 U	--	--	--	--	--	--
MW 64	TCE	2012 - 2023	10	0	0%	0.001 U	0.01 U / 0.01 U	--	--	--	--	--	--
MW 65	TCE	2012 - 2023	10	1	10%	0.00027 J	0.014 U	--	--	--	--	--	--
MW 66	TCE	2013 - 2023	10	0	0%	0.001 U	0.2 U	--	--	--	--	--	--
MW 68	TCE	2013 - 2023	10	10	100%	0.97	2 / 1.9 / 1.9	0	-28	0.994	1%	NT or Decreasing	-0.0002
MW 75	TCE	2011 - 2023	10	0	0%	0.001 U	0.001U	--	--	--	--	--	--
MW 76/MW 76R-17	TCE	2007 - 2023	10	1	10%	0.00021 J	0.001U	--	--	--	--	--	--
MW 79	TCE	2013 - 2023	10	0	0%	0.001 U	0.1 U	--	--	--	--	--	--
MW 80	TCE	2012 - 2023	10	0	0%	0.001 U	0.005 U	--	--	--	--	--	--
MW 81	TCE	2012 - 2023	10	0	0%	0.001 U	0.008 U	--	--	--	--	--	--
MW 82	TCE	2011 - 2023	10	3	30%	0.00014 J / 0.00012 J	0.001 U	--	--	--	--	--	--
MW 83	TCE	2012 - 2023	10	2	20%	0.00023 J	0.001 U	--	--	--	--	--	--
MW 84	TCE	2013 - 2023	10	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
MW 85	TCE	2013 - 2023	10	0	0%	0.05 U	0.56 U	--	--	--	--	--	--
MW 86	TCE	2012 - 2023	10	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
MW 88	TCE	2012 - 2023	10	1	10%	0.00097 J	0.001 U	--	--	--	--	--	--
MW 89-11	TCE	2013 - 2023	10	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
MW97R-16	TCE	2016 - 2023	6	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
Pond Intake	TCE	2013 - 2023	10	0	0%	0.001 U	0.033 U	--	--	--	--	--	--
Pond North	TCE	2013 - 2023	10	0	0%	0.001U	0.005 U	--	--	--	--	--	--

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Location	Analyte	Date Range	Number of			Minimum (mg/L)	Maximum (mg/L)	Number of Outliers	Mann-Kendall Trend test				Sen's Slope (units/day)
			Samples	Detects	Percent Detects				Statistic	Probability	Confidence in trend	Conclusion	
MW-2	cis-1,2-DCE	2012 - 2023	10	1	10%	0.001 U	0.0014	--	--	--	--	--	--
MW 3	cis-1,2-DCE	2013 - 2023	10	10	100%	0.21	5.5 / 5.7	0	9	0.242	76%	NT or Decreasing	0.0006
MW-4	cis-1,2-DCE	2013 - 2023	10	10	100%	4.5	14	0	-36	1.000	0%	NT or Decreasing	-0.0024
MW-7	cis-1,2-DCE	2014 - 2023	6	2	33%	0.00018 J	0.001 U	--	--	--	--	--	--
MW 8	cis-1,2-DCE	2013 - 2023	10	10	100%	0.95	4.8	0	-30	0.997	0%	NT or Decreasing	-0.0010
MW 12	cis-1,2-DCE	2013 - 2023	10	10	100%	0.052	0.24	0	-36	1.000	0%	NT or Decreasing	-3E-05
MW 14	cis-1,2-DCE	2013 - 2023	10	10	100%	3B	5 / 6.1	0	-38	1.000	0%	NT or Decreasing	-0.0007
MW 15	cis-1,2-DCE	2008 - 2023	10	10	100%	1.7	19	0	-15	0.892	11%	NT or Decreasing	-0.0015
MW 16 ⁽¹⁾	cis-1,2-DCE	2013 - 2023	7	7	100%	0.00026 J	9.6	0	9	0.119	88%	NT or Decreasing	0.0010
MW 21	cis-1,2-DCE	2005 - 2023	10	1	10%	0.00046 J	0.001 U	--	--	--	--	--	--
MW 28	cis-1,2-DCE	2013 - 2023	10	10	100%	0.31	2.1	0	41	2E-05	100%	Increasing	0.0004
MW 31R	cis-1,2-DCE	2013 - 2023	10	10	100%	6.6	95	0	19	0.054	95%	Increasing	0.0140
MW 37	cis-1,2-DCE	2012 - 2023	10	1	10%	0.001 U	0.0011	--	--	--	--	--	--
MW 40	cis-1,2-DCE	2013 - 2023	10	10	100%	3.1	8.1	0	-37	1.000	0%	NT or Decreasing	-0.0013
MW 41	cis-1,2-DCE	2013 - 2023	10	10	100%	2.9	7.3	0	-37	1.000	0%	NT or Decreasing	-0.0012
MW 42	cis-1,2-DCE	2013 - 2023	10	10	100%	2.4	5.2	0	-30	0.997	0%	NT or Decreasing	-0.0006
MW 46	cis-1,2-DCE	2013 - 2023	10	1	10%	0.0005J	0.001 U	--	--	--	--	--	--
MW 49	cis-1,2-DCE	2012 - 2023	10	10	100%	0.38	0.9	0	-26	0.989	1%	NT or Decreasing	-0.0001
MW 51	cis-1,2-DCE	2010 - 2019	10	10	100%	0.0075	0.15 / 0.16	0	27	8E-03	99%	Increasing	1E-05
MW 56	cis-1,2-DCE	2012 - 2023	10	1	10%	0.0002 J / 0.00021 J	0.001 U	--	--	--	--	--	--
MW 57	cis-1,2-DCE	2012 - 2023	10	3	30%	0.001 U	0.18	--	--	--	--	--	--
MW 58	cis-1,2-DCE	2012 - 2023	10	7	70%	0.002 U	3	--	--	--	--	--	--
MW 61	cis-1,2-DCE	2012 - 2023	10	1	10%	0.00035 J	0.001 U / 0.001 U	--	--	--	--	--	--
MW 64	cis-1,2-DCE	2012 - 2023	10	9	90%	0.001 U	0.31B / 0.32B	0	17	0.078	92%	Increasing	4E-05
MW 65	cis-1,2-DCE	2012 - 2023	10	10	100%	0.0035	0.97	1	-43	1.000	0%	NT or Decreasing	-3E-05
MW 66	cis-1,2-DCE	2013 - 2023	10	10	100%	0.53	3.4	0	15	0.108	89%	NT or Decreasing	0.0004
MW 68	cis-1,2-DCE	2013 - 2023	10	10	100%	3 / 3	7 / 6.7 / 6.5	0	-27	0.992	1%	NT or Decreasing	-0.0008
MW 75	cis-1,2-DCE	2011 - 2023	10	1	10%	0.0007 J	0.001 U	--	--	--	--	--	--
MW 76/MW 76R-17	cis-1,2-DCE	2007 - 2023	10	7	70%	0.00043 J / 0.00036 J	0.01	--	--	--	--	--	--
MW 79	cis-1,2-DCE	2013 - 2023	10	10	100%	1.5B	2.6	0	-7	0.700	30%	NT or Decreasing	-9E-05
MW 80 ⁽¹⁾	cis-1,2-DCE	2013 - 2023	7	7	100%	0.0012 J	0.24	0	5	0.281	72%	NT or Decreasing	6E-06
MW 81	cis-1,2-DCE	2012 - 2023	10	10	100%	0.019	0.19	0	-9	0.758	24%	NT or Decreasing	-3E-05
MW 82	cis-1,2-DCE	2012 - 2023	10	5	50%	0.00041 J	0.0022	--	--	--	--	--	--
MW 83	cis-1,2-DCE	2012 - 2023	10	2	20%	0.00032 J	0.001 U	--	--	--	--	--	--
MW 84	cis-1,2-DCE	2013 - 2023	10	2	20%	0.00027 J	0.001 U	--	--	--	--	--	--
MW 85	cis-1,2-DCE	2013 - 2023	10	10	100%	4.4	10	0	-11	0.810	19%	NT or Decreasing	-0.0008
MW 86	cis-1,2-DCE	2012 - 2023	10	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
MW 88	cis-1,2-DCE	2012 - 2023	10	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
MW 89-11	cis-1,2-DCE	2013 - 2023	10	4	40%	0.0003 J	0.001 U	--	--	--	--	--	--
MW97R-16	cis-1,2-DCE	2016 - 2023	6	1	17%	0.001 U	0.0012	--	--	--	--	--	--
Pond Intake	cis-1,2-DCE	2013 - 2023	10	9	90%	0.001 U	0.1	0	25	0.014	99%	Increasing	2E-05
Pond North	cis-1,2-DCE	2013 - 2023	10	9	90%	0.001 U	0.5	0	0	0.500	50%	NT or Decreasing	0E+00

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Location	Analyte	Date Range	Number of			Minimum (mg/L)	Maximum (mg/L)	Number of Outliers	Mann-Kendall Trend test				Sen's Slope (units/day)
			Samples	Detects	Percent Detects				Statistic	Probability	Confidence in trend	Conclusion	
MW-2	VC	2012 - 2023	10	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
MW 3	VC	2013 - 2023	10	4	40%	0.02 U	0.4 U / 0.4 U	--	--	--	--	--	--
MW-4	VC	2013 - 2023	10	10	100%	0.2	0.73 / 0.66	0	-5	0.636	36%	NT or Decreasing	-4E-05
MW-7	VC	2014 - 2023	6	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
MW 8	VC	2013 - 2023	10	10	100%	0.32	1.7	0	-28	0.994	1%	NT or Decreasing	-0.0004
MW 12	VC	2013 - 2023	10	1	10%	0.0005J	0.0077 U	--	--	--	--	--	--
MW 14	VC	2013 - 2023	10	10	100%	0.1J	0.25 / 0.22 J	0	-11	0.810	19%	NT or Decreasing	-6E-06
MW 15 ⁽¹⁾	VC	2005 - 2023	10	10	100%	0.041	1.4	0	-32	0.998	0%	NT or Decreasing	-2E-04
MW 16	VC	2013 - 2023	10	3	30%	0.001 U	0.63U	--	--	--	--	--	--
MW 21	VC	2005 - 2023	10	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
MW 28	VC	2013 - 2023	10	10	100%	0.13	0.22	0	7	0.300	70%	NT or Decreasing	1E-05
MW 31R	VC	2013 - 2023	10	10	100%	1	9	0	18	0.066	93%	Increasing	0.0009
MW 37	VC	2012 - 2023	10	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
MW 40	VC	2013 - 2023	10	10	100%	0.17 / 0.18	1.2	1	-16	0.907	9%	NT or Decreasing	-8E-05
MW 41	VC	2013 - 2023	10	10	100%	0.16	0.55	0	0	0.500	50%	NT or Decreasing	-0.0001
MW 42 ⁽¹⁾	VC	2012 - 2023	10	10	100%	0.052 J	0.26	0	-9	0.758	24%	NT or Decreasing	-1E-05
MW 46	VC	2013 - 2023	10	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
MW 49	VC	2011 - 2023	10	6	60%	0.01 U	0.05 U / 0.05 U	--	--	--	--	--	--
MW 51	VC	2011 - 2019	10	8	80%	0.0029 J	0.0091 U	0	18	0.066	93%	Increasing	2E-06
MW 56	VC	2012 - 2023	10	1	10%	0.00066J	0.001 U	--	--	--	--	--	--
MW 57	VC	2012 - 2023	10	10	100%	0.0037	1.3	0	33	0.001	100%	Increasing	0.0002
MW 58	VC	2012 - 2023	10	10	100%	0.034J	0.15 / 0.16	0	-13	0.854	15%	NT or Decreasing	-2E-05
MW 61 ⁽¹⁾	VC	2009 - 2023	10	8	80%	0.00029 J	0.0035 / 0.0033	1	32	0.002	100%	Increasing	3E-07
MW 64	VC	2012 - 2023	10	10	100%	0.0037	0.083 / 0.089	1	11	0.190	81%	NT or Decreasing	4E-06
MW 65 ⁽¹⁾	VC	2011 - 2023	10	8	80%	0.00049 J	0.04 U	0	-5	0.636	36%	NT or Decreasing	-2E-08
MW 66 ⁽¹⁾	VC	2010 - 2023	10	10	100%	0.018	0.25	0	-20	0.955	5%	NT or Decreasing	-4E-05
MW 68	VC	2013 - 2023	10	10	100%	0.11	0.24 J / 0.3 / 0.3	0	33	0.001	100%	Increasing	-1E-05
MW 75	VC	2011 - 2023	10	0	0%	0.001U	0.001U	--	--	--	--	--	--
MW 76/MW 76R-17	VC	2007 - 2023	10	3	30%	0.00048 J / 0.00046 J	0.0016	--	--	--	--	--	--
MW 79	VC	2013 - 2023	10	10	100%	0.13	0.6	0	82	0.000	100%	Increasing	8E-05
MW 80	VC	2012 - 2023	10	10	100%	0.025	0.15 / 0.16	0	35	0.000	100%	Increasing	2E-05
MW 81	VC	2012 - 2023	10	10	100%	0.026	0.066	0	-9	0.758	24%	NT or Decreasing	-3E-06
MW 82	VC	2011 - 2023	10	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
MW 83	VC	2012 - 2023	10	10	100%	0.00045 J	0.034	1	44	2E-06	100%	Increasing	6E-06
MW 84	VC	2013 - 2023	10	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
MW 85	VC	2013 - 2023	10	10	100%	0.25	0.68	0	-20	0.955	5%	NT or Decreasing	-9E-05
MW 86	VC	2012 - 2023	10	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
MW 88 ⁽¹⁾	VC	2011 - 2023	10	8	80%	0.00034 J	0.0094	0	44	2E-06	100%	Increasing	2E-06
MW 89-11	VC	2013 - 2023	10	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
MW97R-16	VC	2016 - 2023	6	0	0%	0.001 U	0.001 U	--	--	--	--	--	--
Pond Intake	VC	2013 - 2023	10	10	100%	0.0022	0.0065	0	0	0.500	50%	NT or Decreasing	8E-08
Pond North	VC	2013 - 2023	10	10	100%	0.0033	0.019	0	9	0.242	76%	NT or Decreasing	1E-06

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Location	Analyte	Date Range	Number of Samples	Number of Detects	Percent Detects	Minimum (mg/L)	Maximum (mg/L)	Number of Outliers	Mann-Kendall Trend test			Sen's Slope (units/day)
									Statistic	Probability	Confidence in trend	

Notes:

⁽¹⁾ Non-detects were excluded due to ambiguous comparisons with data analyzed at lower detection limits.

Due to changes in sampling frequency, earlier sampling events were excluded from the Mann-Kendall trend test to provide a consistent sampling interval corresponding to current program.

-- Trend test not performed due to infrequent detections (i.e., fewer than 75 percent detects).

NT or Decreasing - A statistically-significant (90 percent confidence) increasing trend was not found. Analyte concentrations may be stable or decreasing over time. (Per approved Monitoring Plan, a 1-sided test is performed).



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